PHASE II ENVIRONMENTAL SITE ASSESSMENT
FOR
FORMER FRIENDSHIP HOUSE
100 DONA STREET
LACKAWANNA, ERIE COUNTY,
NEW YORK

Prepared by:

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Prepared for:
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March 2017

C&S Project No:
Q27.001.001

FOLLOWING TEXT

Environmental Professional Statement and Qualifications and Resume

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EXECUTIVE SUMMARY

The purpose of this Phase II Environmental Site Assessment (ESA) is to advance the findings of the previously conducted Phase I ESA. The scope of the Phase II ESA includes: a subsurface investigation; surface soil characterization; groundwater characterization; and analytical testing on a site located at 100 Dona Street, City of Lackawanna, Erie County, New York.

The following findings are made in this Phase II ESA:

1. Fill material was encountered on the eastern portion of the Site from just below the asphalt and gravel sub-base or topsoil to one to three feet below grade. Sandy and silty sand material was observed directly beneath the fill.

2. No VOCs were detected in any of the surface soil sampling. However, SVOCs exceeding Industrial Use standards and metals exceeding Unrestricted Use SCOs were detected in surface soil samples. PCBs were detected in one surface soil sample, but did not exceed NYS SCOs.

3. Visual and olfactory indications of petroleum impairment were evident on the north side behind the building. Petroleum staining appeared in BH-6, BH-7 and TP-9 at approximately 6 to 16 feet below grade.

4. Six subsurface soil samples contained contaminants exceeding NYS SCOs. BH-7 contained acetone exceeding Unrestricted Use SCOs. BH-11 contained SVOCs that exceeded Restricted Residential Use SCOs and BH-12 exceeded Industrial Use SCOs for arsenic.

5. No PCBs were detected in any subsurface soil samples.

6. Groundwater was present at depths of approximately 5.5 to 10 feet bgs. GW-4 contained exceedance levels of acetone. GW-3, GW-4, and GW-5 contained various concentrations of metals that exceeded New York standards. No PCBs were detected in any groundwater samples.

Discussion and Conclusions

The majority of the surface soil samples contained varying concentrations of SVOCs which exceeded Industrial Use SCOs, which is indicative of the historical industrial use of the surrounding area. Exposure to impacted soil is likely if any site improvement (i.e. earthwork) is conducted.

Subsurface soil contamination was generally limited to the top one to three feet of fill material, which was observed on the eastern portion of the Site. The fill material consists of a mix of variable amount of sand, with gravel, concrete and brick fragments. Due to the heterogeneous nature of the fill material, no defined point sources of contamination were identified.

Visual and olfactory evidence of petroleum was identified in the proximity of BH-6, BH-7 and TP-9 at depths of six to 16 feet. However, no petroleum-related VOCs or SVOCs were detected in the soil samples from these locations. Based on this information, it appears that the release of petroleum occurred in the distant past and that the petroleum has since weathered. The apparent source of this impact is not known, although records suggest that the school was once heated by fuel oil. The fuel oil was once stored in an 8,000-gallon UST which was removed in 1988. The location of the UST is not known, and documentation of the closure was not found. Therefore, it is possible that the petroleum nuisance characteristics encountered during this Phase II ESA are related to the former presence of that 8,000-gallon UST.

Historical Sanborn Maps indicated the presence of a gasoline storage tank near southeast corner of the Site. Subsurface investigation and groundwater characterization of the southeast corner of the Site indicates that this historical gasoline tank does not appear to have impacted the Site.

Because analytical results indicate contaminant concentrations above the NYS SCOs for Industrial Use (the redevelopment of the site is planned for residential), the Site appears to be eligible for cleanup and redevelopment under NYSDEC's Brownfield Cleanup Program (BCP).

1.0 INTRODUCTION

1.1 Site Description

The Site is located at 100 Dona Street in the City of Lackawanna, Erie County, New York. This property consists of a single parcel totaling approximately 2.2 acres with a vacant three story structure. The Site is shown in ***Figure 1***.

1.2 Phase II ESA Scope and Objectives

A Phase I Environmental Site Assessment (ESA) was previously conducted at the property at 100 Dona Street in the City of Lackawanna, New York (Site). The Phase I ESA identified a number of Recognized Environmental Concerns (RECs) that have the potential to have released contaminants into the environment. These RECs include:

- An environmental database records search indicated that the former school building was heated by oil and that the oil was formerly stored in an 8,000-gallon UST. Although the UST was closed in 1988, no documentation was identified relative to the closure. Therefore, this former UST is considered an REC.

- An unregulated storage tank was formerly located at the southeast corner of the Site. This underground storage tank was considered a REC.

- An historical automobile station was located upgradient of the Site was considered a REC due to potential migration of petroleum onto the Site.

The purpose of this Phase II Environmental Site Assessment is to characterize the RECs identified in the previously conducted Phase I ESA and assess whether the soil and groundwater has been impacted by these concerns. As discussed below, the scope of the Phase II ESA includes: surface soil characterization, subsurface investigation, groundwater characterization, soil and groundwater sample collection; and analytical testing.

This investigation was conducted over the course of several days. Sub-surface soil investigation took place on December 20, 2016, test pit investigation took place on December 27, 2016 and surface soil samples were collected on December 28, 2016. Groundwater sampling occurred on January 16, 2017.

2.0 SITE INVESTIGATION METHODS

2.1 Surface Soil Characterization

A total of 12 surface soil samples were collected from 0 to 2 inches below grade and below the vegetated layer. The sample locations evenly distributed across the site.

Soil samples were collected using a decontaminated stainless steel spoon and placed directly into clean bottles supplied by Paradigm Analytical and placed on ice in a cooler. These soil samples were submitted to Paradigm Analytical under chain of custody protocols.

Six of the soil samples were analyzed for EPA Target Compound List (TCL) volatile organic compounds (VOCs), TCL semi-volatile organic compounds (SVOCs), and polychlorinated biphenyls (PCBs) and Target Analyte List (TAL) metals and six were analyzed for NYSDEC Part 375 VOCs, SVOCs, PCBs and metals. Paradigm Analytical was contracted to analyze these soil samples. Quality Assurance/Quality Control (QA/QC) samples included two matrix spike/matrix spike duplicate (MS/MSD) samples.

2.2 Subsurface Investigation

2.2.1 Soil Borings

Nature's Way Environmental was contracted to advance 12 soil borings; 8 were advanced to approximately 12 feet below grade and 4 borings were advanced to 40 feet or to refusal. Drilling was conducted using a truck mounted Geo-probe drilling unit. Each boring location was assessed for visual impairment, olfactory indications of impairment, and total VOCs using a Mini-Rae 2000 photoionization detector (PID) with an 11.7-volt lamp, and sampled using a one-inch by four-foot steel sampling tube fitted with a disposable acetate liner. All non-disposable sampling equipment was decontaminated between runs and between drill locations to avoid potential cross contamination of samples.

Material description and physical evidence of contamination (odors, staining or sheen) of each direct push sample was recorded on soil boring logs provided in ***Appendix A*.**

Samples from eight of the twelve borings were collected and placed in a plastic zip lock bag. Head space readings for each sample were conducted using a PID. The PID head space readings for all samples and the depths of the selected lab analysis samples are recorded on the soil boring logs provided in ***Appendix A***.

Subsurface samples were selected based on visual impairment, olfactory indications of impairment, utilization of a PID to identify "evidence of impairment" and depth. Samples in this Phase II ESA were mainly extracted from urban fill on the Site. If no impairment was observed, samples were extracted from just above the water table. These samples were collected and placed in clean bottles supplied by the laboratory.

Four of the soil samples were analyzed for TCL VOCs, TCL SVOCs, PCBs and TAL metals, while four were analyzed for NYSDEC Part 375 parameters. All soil sample analytical results are summarized in the tables following the text of this document.

2.2.2 Test Pits

Nature's Way Environmental was contracted to advance nine test pits up to depths of eight to ten feet deep across the site. Each location was assessed for visual and olfactory indications of impairment, total VOCs using a PID. Material description and physical evidence of contamination are provided in ***Appendix B***. Samples were mainly collected from urban fill on the site, from areas with petroleum impacts, or, if no fill or other environmental impairment was observed, samples were extracted from just above the water table. Samples from eight of the nine test pits were collected and placed in jars provided by the analytical lab.

Four of the soil samples were analyzed for TCL VOCs, TCL SVOCs, PCBs and TAL metals and four were analyzed for NYS DEC Part 375 parameters.

2.3 Groundwater Characterization

Nature's Way Environmental was contracted to install five groundwater monitoring wells on the Site. These groundwater monitoring wells were completed with five feet of two-inch, Schedule 40 0.010-slot well screen connected to a Schedule 40 PVC well riser to completed the well. The borehole annulus was filled with quartz sand, sealed with bentonite to approximately one to two feet below ground surface, and grouted to ground surface.

The groundwater monitoring wells were developed using a monsoon pump and the removal of three well volumes. Groundwater sampling followed well development and was conducted using low-flow purging. Before and after purging the well, water levels were measured using an electric water level sounder capable of measuring to the 0.01-foot accuracy. Water quality measurements such as pH, turbidity, dissolved oxygen, temperature, and conductivity were collected until stabilized. Calibration times, purging volumes, water levels and field measurements were recorded in a field log and are included in ***Appendix C***.

Groundwater samples were collected from each well using low-slow purging methods. Groundwater samples were pumped into clean bottle supplied by the lab and analyzed for TCL VOCs, TCL SVOCs, and PCBs, and TAL metals using a low-flow technique in accordance with US EPA standards. QA/QC samples included one trip blank, one field duplicate, and one MS/MSD sample. All groundwater sample analytical results are summarized in Table 4 following the text of this document.

3.0 PHASE II ESA FINDINGS

This Phase II ESA program for this investigation included the following components:

- Surface Soil Characterization
- Subsurface Soil Characterization
- Groundwater Characterization
- Quality Assurance, Quality Control, and Data Validation

The subsurface soil investigation included 12 borings located across the Site with samples taken from eight of these borings; nine test pits with samples taken from eight of these test pits; the collection of 12 surface soil samples evenly distributed across the site; and the installation and sampling of five groundwater monitoring wells. ***Figure 2*** displays all soil investigation locations including boring locations, test pit locations, and surface soil samples. ***Figure 3*** displays all groundwater well locations.

3.1 Subsurface Conditions

Each soil sample retrieved from the geo-probe and test pit was observed for general soil type, estimated moisture content and any evidence of contamination.

3.1.1 Simplified Site Stratigraphy

The soils from borehole samples and test pit investigations were classified in the following simplified categories:

Asphalt/Topsoil-	Asphalt and gravel sub-base thickness or top soil observed from the surface to 8 inches deep.
Fill-	Only observed on the eastern portion of the Site from approximately one to three feet below grade. Anthropogenic sources of any one, or mixture, of the material re-worked to build a site to a defined grade. This material included sand, crushed brick, concrete and rock.
Sand -	Brown and tan, fine to medium particle sized granular material. Generally ranged from one to 9 feet in depth on western portion of Site
Silty Sand-	Fine grained soil having apparent plasticity when wet, but easily powdered when dried. Generally ranged from four to 12 feet in depth.

Fill was observed on the eastern portion of the Site from beneath the asphalt or topsoil approximately one to three feet below grade. Directly beneath the fill material was sand or silty sand. Refusal across the site ranged from 14 to 16.5 feet.

During the subsurface investigation (boring hold and test pit investigations) visual and olfactory evidence of petroleum was identified in the proximity of BH-6, BH-7 and TP-9. The soil from approximately 6 to 16 feet in depth exhibited a grayish appearance of staining.

3.1.2 Groundwater Conditions

Saturated soils encountered during the boring program were typically found at 5.5 to 10 feet below grade. During the boring program, the soils were saturated where water was encountered.

3.2 Results

3.2.1 Soil Sampling Results

Samples including eight from the 12 borings, eight from the nine test pits, and 12 surface soil samples were collected for analysis. Soil results are discussed below in comparison to the Soil Cleanup Objectives (SCOs) outlined in NYSDEC 6NYRR Part 375-6.8(b). The Remediation Program Soil Cleanup Objectives, effective December 14, 2006, includes SCOs that are based on protection of human health, groundwater, and ecological resources. The SCOs are based on the following site uses:

Unrestricted Use: This land use category is intended to be representative of pre-disposal conditions and requires no restrictions on the use of the site. The unrestricted use soil cleanup objectives represent the concentration of a contaminant in soil which will require no use restrictions on the site for the protection of public health, groundwater and ecological resources due to the presence of contaminants in the soil.

Residential Use: This land use category is intended for single family housing and requires the fewest restrictions on the use of the Site. It allows only two restrictions: a groundwater use restriction and / or a prohibition against producing animal products for human consumption.

Restricted-Residential Use: This land use category is intended for apartments, condominium, co-operative or other multi-family / common property control residential development. In addition to the restrictions for residential use, this use prohibits vegetable gardens, unless planted in gardens where the soil achieves the residential use soil cleanup objectives; and a prohibition of single-family housing. Restricted-Residential use is the appropriate use category for the following:

- Day care or other child care facilities
- Elementary or secondary schools
- College or boarding school residential buildings

This use allows for active recreational uses, which includes recreational activities with a reasonable potential for soil contact, such as:

- Designated picnic areas

- Playgrounds
- Natural grass sports playing fields, including surrounding unpaved spectator areas

Commercial Use: This land use category anticipates use by businesses with the primary purpose of buying, selling or trading of merchandise or services. It is the appropriate use category for:

- Health care facilities, including hospitals, clinics etc.
- College academic and administrative facilities

This use allows for passive recreational purposes, which includes recreational uses with limited potential for soil contact, such as:

- Artificial surface fields
- Outdoor tennis or basketball courts
- Other paved recreational facilities used for roller hockey, roller skating, shuffle board, etc.
- Outdoor pools
- Indoor sports or recreational facilities
- Golf courses
- Paved (raised) bike or walking paths

Industrial Use: This land use category anticipates that use of the property will be the primary purpose of manufacturing, production, fabrication or assembly processes and ancillary services. Industrial use does not include any recreational component.

The above described use-based SCOs are intended to apply to:

- The development and implementation of remedial programs for inactive hazardous waste disposal sites, including, but not limited to, sites listed on the national priorities list (NPL) or are being addressed by the Department of Defense or the Department of Energy.
- The development and implementation of remedial programs for the Brownfield Cleanup Program (BCP),
- The development and implementation of remedial programs for the environmental restoration program (ERP),
- The soil cleanup objectives for remedial programs, specifically under subpart 375-6.

Figure 4 shows the location of all soil samples that exceed NYSDEC standards.

3.2.1.1 Surface Soil Sampling Results

A total of 12 surface soil samples were collected from 0 to 2 inches in various locations throughout the site. All 12 surface soil samples contained contaminants concentrations

that exceeded NYS SCOs. The table below provides a summary of analyte concentration exceedances and **Table 1** (following text) summarizes all of the analytical results.

Table 3-1: Summary of Surface Soil Samples Exceeding Soil Cleanup Criteria

	Unrestricted	Residential	Restricted Residential	Commercial	Industrial
SS-1	3	2	4	-	1
SS-2	2	2	4	-	1
SS-3	2	3	3	1	1
SS-4	3	-	-	-	-
SS-5	2	1	-	-	-
SS-6	3	-	-	-	-
SS-7	3	-	-	-	-
SS-8	2	-	-	-	-
SS-9	2	3	4	-	1
SS-10	2	2	4	-	2
SS-11	3	2	4	-	1
SS-12	4	1	4	-	2

VOCs

No VOCs exceeding NYS SCOs were detected.

SVOCs

Seven samples contained analytes that exceeded NYS SCOs for SVOCs, including:

- SS-11 exceeded Unrestricted Use SCOs for benzo(k)fluoranthene. Four samples exceeded Residential SCOs for benzo(k)fluoranthene and chrysene.
- SS-9 and SS-12 exceeded Residential Use SCOs for benzo(k)fluoranthene and SS-11 exceeded for chrysene.
- Seven samples exceeded Restricted Residential Use SCOs for benzo(a)anthracene, benzo(b)fluoranthene, and indeno(1,2,3-c,d)pyrene while five samples exceeded Restricted Residential Use SCOs for dibenzo(a,h)anthracene and chrysene.
- SS-3 exceeded Commercial Use SCOs for dibenzo(a,h)anthracene. Additionally, Seven samples exceeded Industrial Use SCOs for benzo(a)pyrene and two exceeded Industrial Use SCOs for dibenzo(a,h)anthracene.

PCBs

No PCBs exceeding NYS SCOs were detected.

Metals

All surface soil samples exceeded Unrestricted Use SCOs for lead and zinc. SS-12 exceeded Unrestricted Use SCOs for copper. Five samples exceeded Unrestricted Use SCOs for chromium. Four samples contained analytes that exceeded Residential Use SCOs for chromium.

3.2.1.2 Subsurface Soil Sampling Results

A total of 16 subsurface samples were collected and analyzed. The table below displays the analyte concentration exceedances. **Table 2 and Table 3** (following text) display analyte results and exceedances above NYS SCOs for boring and test pit samples.

Table 3-2: Summary of Samples Exceeding Soil Cleanup Criteria

	Unrestricted	Residential	Restricted Residential	Commercial	Industrial
BH-4	-	-	-	-	-
BH-6	-	-	-	-	-
BH-7	1	-	-	-	-
BH-8	1	-	-	-	-
BH-9	4	-	-	-	-
BH-10	-	-	-	-	-
BH-11	1	1	1	-	-
BH-12	5	-	-	-	1
TP-9	1	-	-	-	-

VOCs

Four subsurface samples contained VOCs that exceeded the SCOs. Two sample concentrations exceeded Unrestricted Use SCOs for trichloroethylene (TCE) and two sample analytes exceeded Unrestricted Use SCOs for acetone. The exceedances in TCE are attributed to cross contaminations due to laboratory procedure failure.

SVOCs

Only one subsurface soil sample contained SVOCs in excess of the SCOs. BH-11 contained SVOC concentrations above Unrestricted Use SCOs for benzo(k)fluoranthene, concentrations above Residential Use SCOs for chrysene, and concentrations above Restricted Residential Use SCOs for benzo(a)anthracene.

Results indicate that detected SVOCs present in these deposits are classified as polycyclic aromatic hydrocarbons (PAHs). The PAH compounds are usually associated with the incomplete combustion of organic material (i.e., wood, coal or petroleum products). The presence of these compounds are consistent with the urban setting of the Site.

PCBs

No PCBs were detected.

Metals

BH-8 contained concentrations above Unrestricted Use SCOs for manganese. BH-9 contained concentrations above Unrestricted Use SCOs for lead, selenium and zinc. BH-12 contained concentrations above Unrestricted Use SCOs for copper, lead, selenium, and zinc as well as exceedances above Industrial Use SCOs for arsenic.

3.2.2 Groundwater Characterization Results

Groundwater samples were collected and analyzed from five monitoring wells on Site. Groundwater sampling results are displayed in **Table 4** (following text) displays all sample analyte results and exceedances above NY TOGS Groundwater Standards.

VOCs

Acetone was detected and exceeded standards for NY TOGS at 59.3 mg/kg in GW-4.

SVOCs

Low concentrations of SVOCs were detected in GW-5; however, these concentrations did not exceed standards.

PCBs

No PCBs were detected.

Metals

GW-3, GW-4, and GW-5 contained contaminants that exceeded standards for various metals. These groundwater samples contained analytes that exceeded aluminum, chromium, iron, manganese, and vanadium. Other metals detected included arsenic, beryllium, barium, cobalt, copper, lead, selenium, magnesium, and nickel.

4.0 PHASE II ESA SUMMARY

This section summarizes the results of the Phase II ESA of the Subject Properties.

4.1 Findings

1. Fill material was encountered on the eastern portion of the Site from just below the asphalt and gravel sub-base or topsoil to one to three feet below grade. Sandy and silty sand material was observed directly beneath the fill.

2. No VOCs were detected in any of the surface soil sampling. However, SVOCs exceeding Industrial Use standards and metals exceeding Unrestricted Use SCOs were detected in surface soil samples. PCBs were detected in one surface soil sample, but did not exceed NYS SCOs.

3. Visual and olfactory indications of petroleum impairment were evident on the north side behind the building. Petroleum staining appeared in BH-6, BH-7 and TP-9 at approximately 6 to 16 feet below grade. However, all concentrations of petroleum-related VOCs and SVOCs were below the respective SCOs in the samples collected from these locations.

4. Six subsurface soil samples contained contaminants exceeding NYS SCOs. BH-7 contained acetone exceeding Unrestricted Use SCOs. BH-11 contained SVOCs that exceeded Restricted Residential Use SCOs and BH-12 exceeded Industrial Use SCOs for arsenic.

5. No PCBs were detected in any subsurface soil samples.

6. Groundwater was present at depths of approximately 5.5 to 10 feet bgs. GW-4 contained exceedance levels of acetone. GW-3, GW-4, and GW-5 contained various concentrations of metals that exceeded New York standards. No PCBs were detected in any groundwater samples.

4.2 Discussion and Conclusions

The majority of the surface soil samples contained varying concentrations of SVOCs which exceeded Industrial Use SCOs, which is indicative of the historical industrial use of the surrounding area. Exposure to impacted soil is likely if any site improvement (i.e. earthwork) is conducted.

Subsurface soil contamination was generally limited to the top one to three feet of fill material, which was observed on the eastern portion of the Site. The fill material consists of a mix of variable amount of sand, with gravel, concrete and brick fragments. Due to the heterogeneous nature of the fill material, no defined point sources of contamination were identified.

Visual and olfactory evidence of petroleum was identified in the proximity of BH-6, BH-7 and TP-9 at depths of six to 16 feet. However, no petroleum-related VOCs or SVOCs were detected in the soil samples from these locations. Based on this information, it

appears that the release of petroleum occurred in the distant past and that the petroleum has since weathered. The apparent source of this impact is not known, although records suggest that the school was once heated by fuel oil. The fuel oil was once stored in an 8,000-gallon UST which was removed in 1988. The location of the UST is not known, and documentation of the closure was not found. Therefore, it is possible that the petroleum nuisance characteristics encountered during this Phase II ESA are related to the former presence of that 8,000-gallon UST.

Historical Sanborn Maps indicated the presence of a gasoline storage tank near southeast corner of the Site. Subsurface investigation and groundwater characterization of the southeast corner of the Site indicates that this historical gasoline tank does not appear to have impacted the Site.

Because analytical results indicate contaminant concentrations above the NYS SCOs for Industrial Use (the redevelopment of the site is planned for residential), the Site appears to be eligible for cleanup and redevelopment under NYSDEC's Brownfield Cleanup Program (BCP).

5.0 DISCLAIMER

C&S's conclusions are based on conditions that existed on the Site in December 2016 and January 2017. Past and present conditions that could not be observed were established on the basis of documents. C&S cannot attest to the completeness of accuracy of these materials.

This report was prepared by C&S expressly and exclusively for use by the City of Lackawanna, its successors and/or assigns. Except where specifically stated to the contrary, the information contained herein was provided to C&S by others and has not been verified independently or otherwise examined to determine its accuracy, completeness, or feasibility. In addition, C&S may have had to rely upon the assumptions, especially as to future conditions and events. Accordingly, neither C&S nor any person acting on its behalf (a) makes any warranty or representation, whether expressed or implied, concerning the usefulness of the information contained in this report, or (b) assumes liabilities with respect to the use of or for damages resulting from the use of any information contained in this Environmental Site Assessment (ESA) report. Further, C&S cannot promise that any assumed conditions will come to pass.

No one is authorized to rely on this report for any purpose, except to the extent that such reliance is specifically authorized in writing by C&S. Any person who intends to take action, which is in any way related to or affected by the information contained herein, should independently verify all such information. The report speaks only as of the date issued. C&S has no responsibility for updating the information herein, and therefore, it should not be assumed that any information contained herein in this ESA continues to be accurate subsequent to 180 days from the date of the site inspection.

It would be extremely expensive, and perhaps not possible, to conduct an investigation that would ensure the detection of environmental impacts at the subject site, which now are, or in the future might be, considered hazardous. This investigation does not guarantee that C&S discovered all the environmental impacts at the Subject Properties. Similarly, a property which, in fact, is unaffected by environmental impacts at the time of the assessment may later, due to natural phenomena or other intervention, become contaminated.

Except where stated to be the contrary, this ESA has been prepared solely on the basis of readily available visual observation. Except where stated to be the contrary, no demolition or removal by C&S has been accomplished to reveal hidden conditions. No testing such as the testing of materials, equipment, or systems has been performed to verify current conditions or to predict future conditions.

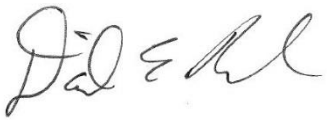
Future regulatory modifications, agency interpretation, or policy changes may affect the compliance status of the property.

A title search, indoor air quality, and wetland surveys were not requested as part of this project. These topics require specialized expertise. A specialty survey can be performed upon request.

ENVIRONMENTAL PROFESSIONAL STATEMENT AND QUALIFICATIONS

We declare that, to the best of our professional knowledge and belief, we meet the definition of *Environmental Professional* as defined in §312.10 of 40 CFR 312.

We have the specific qualifications based on education, training, and experience (as summarized on the resumes which follow this page) to assess a property of the nature, history and setting of the Site. To the best of our knowledge and belief, C&S Engineers Inc. has developed and performed all appropriate inquiries in general conformance with the standards and practices set forth in 40 CFR Part 31.



Daniel E. Riker, P.G.
Managing Geologist

FIGURES

Legend

- Parcel Boundaries
- Subject Property

0 150 300 600 Feet

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100 DONA STREET PHASE II ENVIRONMENTAL SITE ASSESSMENT

LACKAWANNA, NY

MARK	DATE	DESCRIPTION

REVISIONS

PROJECT NO:	Q27.001.001
DATE:	07/19/2016
DRAWN BY:	S.HERBERGER
DESIGNED BY:	S.HERBERGER
CHECKED BY:	DAN RIKER

SITE LOCATION

FIGURE 1

Legend

- Parcel Boundaries
- Subject Property
- Surface Soil
- Test Pits
- Soil Borings
- Boring 40 Feet

0 37.5 75 150 Feet

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100 DONA STREET PHASE II ENVIRONMENTAL SITE ASSESSMENT
LACKAWANNA, NY

MARK	DATE	DESCRIPTION

REVISIONS

PROJECT NO:	Q27.001.001
DATE:	11/2/2016
DRAWN BY:	S.HERBERGER
DESIGNED BY:	S.HERBERGER
CHECKED BY:	DAN RIKER

SOIL LOCATIONS

FIGURE 2

Legend

- Parcel Boundaries
- Subject Property

0 37.5 75 150 Feet

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100 DONA STREET PHASE II ENVIRONMENTAL SITE ASSESSMENT

LACKAWANNA, NY

MARK	DATE	DESCRIPTION

REVISIONS

PROJECT NO:	Q27.001.001
DATE:	11/2/2016
DRAWN BY:	S.HERBERGER
DESIGNED BY:	S.HERBERGER
CHECKED BY:	DAN RIKER

GROUNDWATER WELLS

FIGURE 3

Legend

- Parcel Boundaries
- Subject Property
- Samples Exceeding Unrestricted Use SCOs
- Samples Exceeding Residential Use SCOs
- Samples Exceeding Restricted Residential Use SCOs
- Samples Exceeding Industrial Use SCOs

0 37.5 75 150 Feet

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100 DONA STREET PHASE II ENVIRONMENTAL SITE ASSESSMENT

LACKAWANNA, NY

MARK	DATE	DESCRIPTION

REVISIONS

PROJECT NO:	Q27.001.001
DATE:	1/10/2016
DRAWN BY:	S.HERBERGER
DESIGNED BY:	S.HERBERGER
CHECKED BY:	DAN RIKER

SOIL SAMPLING RESULTS

FIGURE 4

TABLES

TABLE 1 - SURFACE SOIL SAMPLING RESULTS
100 DONA STREET

Field Sample ID	Unrestricted Use	Residential Use	Restricted Residential Use	Commercial Use	Industrial Use	SS-1		SS-2		SS-3		SS-4		SS-5		SS-6		SS-7		SS-8		SS-9		SS-10		SS-11		SS-12	
Date Sampled						12/28/2016		12/28/2016		12/28/2016		12/28/2016		12/28/2016		12/28/2016		12/28/2016		12/28/2016		12/28/2016		12/28/2016		12/28/2016		12/28/2016	
Sample Matrix						SO		SO		SO		SO		SO		SO		SO		SO		SO		SO		SO		SO	
Units						mg/kg		mg/kg		mg/kg		mg/kg		mg/kg		mg/kg		mg/kg		mg/kg		mg/kg		mg/kg		mg/kg		mg/kg	
Volatile Organics																													
Methylene Chloride	0.05	51	100	500	1000	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		0.00528	J	0.01	J
Semi-Volatile Organics																													
Acenaphthene	20	100	100	500	1000	0.264	JM	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
Acenaphthylene	100	100	100	500	1000	ND		ND		0.266	J	ND		ND		ND		ND		ND		0.364	J	ND		ND		ND	
Anthracene	100	100	100	500	1000	0.847		0.293	J	0.598		ND		0.21	J	ND		ND		ND		0.557		1.89	J	0.406		2.11	
Benzo(A)Anthracene	1	1	1	5.6	11	1.99		1.48		2.62		0.403	J	0.639		0.513		0.32	J	0.517		1.84		5.01		1.41		5.13	
Benzo(A)Pyrene	1	1	1	1	1.1	1.7		1.3		2.11		0.38	J	0.61		0.478		0.317	J	0.487		1.56		4.54		1.26		4.48	
Benzo(B)Fluoranthene	1	1	1	5.6	11	1.48		1.47		2.47		0.432		0.64		0.492		0.34	J	0.484		1.6		4.27		1.44		4.35	
Benzo(G,H,I)Perylene	100	100	100	500	1000	1.04		0.779		1.26		0.267	J	0.445		0.318	J	0.221	J	0.344	J	0.938		2.92		0.842		2.85	
Benzo(K)Fluoranthene	0.8	1	3.9	56	110	1.41		1.17		1.87		0.334	J	0.55		0.406		0.244	J	0.39	J	1.05		3.29		0.859		3.32	
Carbazole						0.526		0.249	J	0.382		ND		ND		ND		ND		ND		0.241	J	1.09	J	0.223	J	1.09	J
Chrysene	1	1	3.9	56	110	2.03		1.76		2.87		0.491		0.757		0.625		0.384		0.575		1.69		5.09		1.52		5.08	
Dibenz(A,H)Anthracene	0.33	0.33	0.33	0.56	1.1	0.427		0.418		0.654		ND		ND		ND		ND		ND		0.409		1.19	J	0.377	J	1.37	J
Fluoranthene	100	100	100	500	1000	5.17		3.45		5.79		0.841		1.41		1.14		0.715		1.22		3.97		12.3		2.97		11.5	
Fluorene	30	100	100	500	1000	0.326	J	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
Indeno(1,2,3-C,D)Pyrene	0.5	0.5	0.5	5.6	11	0.751		0.628		1.05		0.22	J	0.325	J	0.227	J	ND		0.231	J	0.796		2.11		0.652		2.13	
Phenanthrene	100	100	100	500	1000	3.73		1.46		2.49		0.338	J	0.644		0.627		0.36	J	0.707		1.84		8.37		1.52		8.32	
Pyrene	100	100	100	500	1000	3.99	M	2.42		3.93		0.644		1.08		0.89		0.566		0.974		3.06		9.86		2.26		9.11	
PCBs																													
PCB-1260 (Aroclor 1260)	0.1	1	1	1	25	ND		0.0208	J	0.021	J	ND		0.0271	J	ND		ND		ND		0.0257	J	ND		ND		ND	
Metals																													
Aluminum																		7660		7050		9030		9380		8540		8760	
Antimony																		ND		ND		ND		ND		ND		ND	
Arsenic	13	16	16	16	16	8.96		7.51		7.79		9.16		10.5		8.84		8.87		7.89		11.5		11.9		11.9		11.5	
Barium	350	350	400	400	10000	60.5		49.9		63.4		58.6		69.2		47.5		50.9		46		57.3		65.7		64.2		73	
Beryllium	7.2	14	72	590	2700	0.566		0.632		0.759		0.495		0.766		0.443		0.443		0.446		0.519		0.604		0.546		0.544	
Cadmium	2.5	2.5	4.3	9.3	60	1.34		1.41		1.49		1.48		1.95		1.3		1.54		1.22		1.73		1.7		1.9		1.63	
Calcium																		12500		28300		16100		8580		10500		17300	
Chromium, Trivalent	30	36	180	1500	6800	31.2		28.3		43.9		30.6		48.7		33.3		33.1		29.2		42.7		36.3		47.7		31.9	
Cobalt																		5.6		5.45		6.54		6.97		6.63		6.26	
Copper	50	270	270	270	10000	32		26.3		32.6		29.5		41.6		29.8		30.4		30		34.9		36.6		39.1		57.7	
Iron																		20900		20000		25100		26300		26100		23400	
Lead	63	400	400	1000	3900	108		121		142		110		174		104		124		110		149		165		148		143	
Magnesium																		3560		6100		7480		3140		3770		4970	
Manganese	1600	2000	2000	10000	10000	1190		936		1530		905		1490		1110		1010		928		1290		965		1310		910	
Mercury	0.18	0.81	0.81	2.8	5.7	0.0687	D	0.0732		0.0622		0.0923		0.0983		0.0736		0.0825		0.0695		0.102		0.0985		0.113		0.0964	
Nickel	30	140	310	310	10000	20.2		16		19.7		18.3		22.1		16.5		17.8		17.1		18.5		20.1		19.6		18.8	
Potassium																		955		906		1480		1260		1150		1110	
Selenium	3.9	36	180	1500	6800	1.60		ND		1.85		1.68		2.42		0.91		ND		2.14		0.936		1		1.09		1.47	
Silver	2	36	180	1500	6800	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
Sodium																		ND		92.6	J	81	J	ND		ND		82.4	J
Thallium																		ND		ND		ND		ND		ND		ND	
Vanadium																		26.7		24.1		27.6		29.1		32.4		27.2	
Zinc	109	2200	10000	10000	10000	303		283		336		296		403		268		329		285		386		373		369		380	

Notes:

All concentrtaions in mg/kg

Analytical Data compared to Part 375 Standards and DER-10

ND - The compound was not detected at the indicated concentration.

J - Data indicates the presence of a compound that meets the identification criteria. The result is less than the quantitation limit but greater than MDL.
The concentration given is an approximate value.

D - The reported value is from a secondary analysis with a dilution factor. The original analysis exceeded the calibration range.

M - Matrix spike recoveries outside QC limits. Matrix bias indicated.

Blank - Not tested for

TABLE 2 - BORING SAMPLING RESULTS
100 DONA STREET

Field Sample ID	Unrestricted Use	Residential Use	Restricted Residential Use	Commercial Use	Industrial Use	BH-4		BH-6		BH-7		BH-8		BH-9		BH-10		BH-11		BH-12	
Date Sampled						12/19/2016		12/19/2016		12/19/2016		12/19/2016		12/19/2016		12/19/2016		12/19/2016		12/19/2016	
Sample Matrix						SO		SO		SO		SO		SO		SO		SO		SO	
Units						mg/kg		mg/kg		mg/kg		mg/kg		mg/kg		mg/kg		mg/kg		mg/kg	
Volatile Organics																					
2-Butanone	0.12	100	100	500	1000	ND		ND		0.0435	J	ND		ND		ND		ND		ND	
Acetone	0.05	100	100	500	1000	ND		ND		0.242		ND		ND		ND		ND		ND	
Carbon disulfide		100				ND		ND		ND		ND		ND		0.00738	J	ND		ND	
Isopropylbenzene						ND		ND		0.0148		ND		ND		ND		ND		ND	
sec-Butylbenzene	11	100	100	500	1000	ND		0.00382	J	ND		ND		ND		ND		ND		ND	
Toluene	0.7	100	100	500	1000	ND		ND		0.0109	J	ND		0.0333		0.0139		0.0174		0.0212	
Trichloroethylene (TCE)	0.47	10	21	200	400	ND		0.00374	JZ	0.315	Z	0.0992	Z	0.771	Z	0.398	Z	0.434	Z	0.7	Z
Semi-Volatile Organics																					
1,1-Biphenyl						ND		ND		0.387		ND		ND		ND		0.234	J	ND	
2-Methylnapthalene						ND		ND		ND		ND		ND		ND		1.2		ND	
Acenaphthene	20	100	100	500	1000	ND		ND		0.599		ND		ND		ND		ND		ND	
Acenaphthylene	100	100	100	500	1000	ND		ND		ND		ND		ND		ND		2.09		ND	
Anthracene	100	100	100	500	1000	ND		ND		0.282	J	ND		ND		ND		1.6		ND	
Benzo(A)Anthracene	1	1	1	5.6	11	ND		ND		ND		ND		0.186	J	ND		1.54		ND	
Benzo(B)Fluoranthene	1	1	1	5.6	11	ND		ND		ND		ND		0.183	J	ND		0.699		ND	
Benzo(G,H,I)Perylene	100	100	100	500	1000	ND		ND		ND		ND		0.171	J	ND		0.433		ND	
Benzo(K)Fluoranthene	0.8	1	3.9	56	110	ND		ND		ND		ND		ND		ND		0.907		ND	
Carbazole						ND		ND		ND		ND		ND		ND		0.499		ND	
Chrysene	1	1	3.9	56	110	ND		ND		ND		ND		0.196	J	ND		1.08		ND	
Dibenz(A,H)Anthracene	0.33	0.33	0.33	0.56	1.1	ND		ND		ND		ND		ND		ND		0.273	J	ND	
Dibenzofuran	7	14	59	350	1000	ND		ND		ND		ND		ND		ND		0.952		ND	
Fluoranthene	100	100	100	500	1000	ND		ND		ND		ND		0.291	J	ND		3.79		ND	
Fluorene	30	100	100	500	1000	ND		ND		1.24		ND		ND		ND		1.82		ND	
Indeno(1,2,3-cd)Pyrene	0.5	0.5	0.5	5.6	11	ND		ND		ND		ND		ND		ND		0.383		ND	
Naphthalene	12	100	100	500	1000	ND		ND		ND		ND		ND		ND		1.33		ND	
Phenanthrene	100	100	100	500	1000	ND		ND		3.23		ND		0.202	J	ND		5.26		ND	
Pyrene	100	100	100	500	1000	ND		ND		ND		ND		0.252	J	ND		2.36		ND	
PCBs																					
Not detected																					
Metals																					
Aluminum										6780.00		12400.00		4220				7620			
Antimony										ND		ND		3.23	J			ND			
Arsenic	13	16	16	16	16	4.77		2.46		7.67		7.82		11.4		9.52		8.07		19.2	
Barium	350	350	400	400	10000	46.0		15.2		38.8		104		110		77.0		43.4		163	
Beryllium	7.2	14	72	590	2700	0.55		0.161	J	0.687		0.606		0.596		0.439		0.42		0.474	
Cadmium	2.5	2.5	4.3	9.3	60	0.43		0.178	J	0.595		0.734		0.744		0.185	J	0.322		0.829	
Calcium										6260		4930		15800				22800			
Chromium	30	36	180	1500	6800	17.4		4.87		10.9		15.2		15.1		6.13		12.3		14.9	
Cobalt										7.00		6.11		6.14				7.35			
Copper	50	270	270	270	10000	23.7		9.6		28.2		19.8		47.3		17.6		17.7		52.6	
Iron										16200		17200		37800				16200			
Lead	63	400	400	1000	3900	9.49		4.99		10.8		21.1		82.7		11.0		21.9		259	
Magnesium										1280		1710		1420				1830			
Manganese	1600	2000	2000	10000	10000	263		126		513		1760		498		69.7		276		289	
Mercury	0.18	0.81	0.81	2.8	5.7	0.0102		0.008	J	0.0727		0.131		0.0874		0.0247		0.0618		0.148	
Nickel	30	140	310	310	10000	24.7		7.05		23.9		15.6		14.0		11.1		17.1		22.6	
Potassium										1220		1230		347				842			
Selenium	3.9	36	180	1500	6800	3.3		1.08		3.27		3.86		6.06		3.54		3.06		5.01	
Silver	2	36	180	1500	6800	ND		ND		ND		ND		ND		ND		ND		ND	
Sodium										ND		ND		142				108	J		
Thallium										ND		ND		ND				ND			
Vanadium										17.1		23.8		12.1				17.5			
Zinc	109	2200	10000	10000	10000	61.3		21.7		31.9		94.6		111		23.9		52.4		273	

Notes:

All concentrtaions in mg/kg

Analytical Data compared to Part 375 Standards and DER-10

ND - The compound was not detected at the indicated concentration.

J - Data indicates the presence of a compound that meets the identification criteria. The result is less than the quantitation limit but greater than MDL.
The concentration given is an approximate value.

Z - See case narrative.

Blank - Not tested for

TABLE 3 - TEST PIT SAMPLING RESULTS
100 DONA STREET

Field Sample ID	Unrestricted Use	Residential Use	Restricted Residential Use	Commercial Use	Industrial Use	TP-1		TP-2		TP-3		TP-5		TP-6		TP-7		TP-8		TP-9	
Date Sampled						12/27/2016		12/27/2016		12/27/2016		12/27/2016		12/27/2016		12/27/2016		12/27/2016		12/27/2016	
Sample Matrix						SO		SO		SO		SO		SO		SO		SO		SO	
Units						mg/kg		mg/kg		mg/kg		mg/kg		mg/kg		mg/kg		mg/kg		mg/kg	
Volatile Organics																					
Acetone	0.05	100	100	500	1000	ND		ND		ND		ND		ND		ND		ND		0.0505	
Isopropylbenzene						ND		ND		ND		ND		ND		ND		ND		0.0105	
Trichloroethylene (TCE)	0.47	10	21	200	400	ND		0.0142	Z	0.0175	Z	ND		0.0376	Z	0.0281	Z	0.0284	Z	ND	
Semi-Volatile Organics																					
1,1-Biphenyl						ND		ND		ND		ND		ND		ND		ND		0.703	
Acenaphthene	20	100	100	500	1000	ND		ND		ND		ND		ND		ND		ND		1.51	
Fluorene	30	100	100	500	1000	ND		ND		ND		ND		ND		ND		ND		2.77	
Phenanthrene	100	100	100	500	1000	ND		ND		ND		ND		ND		ND		ND		4.7	
Pyrene	100	100	100	500	1000	ND		ND		ND		ND		ND		ND		ND		0.416	J
PCBs																					
Not detected																					
Metals																					
Aluminum												4060				5950		7160		5470	
Antimony												ND				ND		ND		ND	
Arsenic	13	16	16	16	16	1.70		2.87		1.43		1.93		3.73		3.98		4.25		5.91	
Barium	350	350	400	400	10000	23.6		20.3		15.0		22.0		27.8		25.3		31.5		37.8	
Beryllium	7.2	14	72	590	2700	0.164	J	0.198	J	0.147	J	0.237	J	0.417		0.283	J	0.302		0.697	
Cadmium	2.5	2.5	4.3	9.3	60	0.140	J	0.191	J	ND		0.182	J	0.209	J	0.161	J	0.272	J	0.42	
Calcium												74900				16200		44500		3960	
Chromium, Trivalent	30	36	180	1500	6800	5.39		6.84		5.09		7.07		12.9		8		9.54		9.38	
Cobalt												3.72				4.7		4.49		7.29	
Copper	50	270	270	270	10000	10.8		11.2		8.02		13.8		20.9		14.9		14.0		24.3	
Iron												7800				10500		11000		16100	
Lead	63	400	400	1000	3900	5.31		5.54		4.74		5.83		11.5		9.34		15.9		10.4	
Magnesium												12200				4410		7700		1540	
Manganese	1600	2000	2000	10000	10000	179		256		139	M	144		271		247		233		639	
Mercury	0.18	0.81	0.81	2.8	5.7	0.00451	J	0.00582	J	0.00488	J	0.0111		0.0108		0.0179		0.0449		0.0512	
Nickel	30	140	310	310	10000	9.44		8.58		6.74		11.9		24.1		12.3		12.3		21.1	
Potassium												1010				865		823		1160	
Selenium	3.9	36	180	1500	6800	1.65		1.01		0.575	D	1.41		0.972		ND		0.8		ND	
Silver	2	36	180	1500	6800	ND		ND		ND		ND		ND		ND		ND		ND	
Sodium												108	J			ND		108	J	ND	
Thallium												2.55				ND		1.25	J	ND	
Vanadium												11.3				15.1		15.9		15.0	
Zinc	109	2200	10000	10000	10000	33.5		34.3		46.6	D	40.1		45.6		39.0		52.5		40.9	

Notes:

All concentrtaions in mg/kg

Analytical Data compared to Part 375 Standards and DER-10

ND - The compound was not detected at the indicated concentration.

J - Data indicates the presence of a compound that meets the identification criteria. The result is less than the quantitation limit but greater than MDL.
The concentration given is an approximate value.

D - The reported value is from a secondary analysis with a dilution factor. The original analysis exceeded the calibration range.

M - Matrix spike recoveries outside QC limits. Matrix bias indicated.

Z - See case narrative.

Blank - Not tested for

TABLE 4 - GROUNDWATER SAMPLING RESULTS
100 DONA STREET

Field Sample ID	NY-TOGS	GW-1		GW-2		GW-3		DUP		GW-4		GW-5		Trip Blank	
Date Sampled		01/16/2017		01/16/2017		01/16/2017		01/16/2017		01/16/2017		02/23/2017		01/16/2017	
Sample Matrix		WG		WG		WG		WG		WG		WG		WG	
Units		ug/l		ug/l		ug/l		ug/l		ug/l		ug/l		ug/l	
Volatile Organics															
Acetone	50.0 ug/l	18.7		5.75	J	19.9		8.45	J	59.3		ND		9.43	J
Carbon disulfide		1.49	J	ND		ND		ND		ND		ND		ND	
Methylcyclohexane		ND		6.05		ND		ND		ND		ND		ND	
Semi-Volatile Organics															
Dibenzofuran		ND		ND		ND		ND		ND		5.24			
Fluorene	50.0 ug/l	ND		ND		ND		ND		ND		9.37			
Phenanthrene	50.0 ug/l	ND		ND		ND		ND		ND		5.15			
PCBs															
Not detected															
TAL Metals (ICP)															
Aluminum	100.0 ug/l					37300		34700		206000		11300			
Antimony	3.0 ug/l					ND		ND		ND		ND			
Arsenic	25.0 ug/l					19.9		15.6		132		ND			
Barium	1000.0 ug/l					372		358		1440		199			
Beryllium	3.0 ug/l					ND		ND		9.22		ND			
Cadmium	5.0 ug/l					ND		ND		20.6		ND			
Calcium						431000		436000		6390000		284000			
Chromium, Total	50.0 ug/l					55.1		50.2		410		18.5			
Cobalt	0.0 TBE					ND		ND		165		ND			
Copper	200.0 ug/l					68.8		66.7		601		24.3	J		
Iron	300.0 ug/l					44600		42700		364000		16300			
Lead	25.0 ug/l					29.5		28.6		228		17.1			
Magnesium	35000.0 ug/l					62300		62100		978000		343			
Manganese	300.0 ug/l					1000		1000		27600		997.0			
Mercury	0.7 ug/l	ND		ND		0.116	J	ND		2.31					
Nickel	100.0 ug/l					67.7		63.8		486		21.5	J		
Potassium						15400		15000		50900		4460			
Selenium	10.0 ug/l					ND		ND		82.9		ND			
Silver	50.0 ug/l					ND		ND		ND		ND			
Sodium	20000.0 ug/l					40400		41800		12100		24600			
Thallium	0.5 ug/l					ND		ND		173		ND			
Vanadium	0.0 TBE					55.3		52.4		413		16.9			
Zinc	2000.0 ug/l					211		205		856		258.0			
Part 375 Metals (ICP)															
Arsenic	25.0 ug/l	11.0		ND											
Barium	1000.0 ug/l	102		76.6	J										
Beryllium	3.0 ug/l	ND		ND											
Cadmium	5.0 ug/l	ND		ND											
Chromium, Total	50.0 ug/l	26.9		28.5											
Copper	200.0 ug/l	13.9	J	12.5	J										
Lead	25.0 ug/l	ND		ND											
Manganese	300.0 ug/l	333		323											
Nickel	100.0 ug/l	21.9	J	24.0	J										
Selenium	10.0 ug/l	10.2		11.9											
Silver	50.0 ug/l	ND		ND											
Zinc	2000.0 ug/l	ND		38.2	J										

Notes:

All concentrtaions in ug/l

Analytical Data compared to Part 375 Standards and DER-10

ND - The compound was not detected at the indicated concentration.

J - Data indicates the presence of a compound that meets the identification criteria. The result is less than the quantitation limit but greater than MDL. The concentration given is an approximate value.

Blank - Not tested for

APPENDICES

APPENDIX A
Soil Boring Logs

C&S Engineers, Inc.
141 Elm Street
Buffalo, New York 14203
Phone: 716-847-1630
Fax: 716-847-1454
www.cscos.com

BORING LOG

Boring No.	**BH-1**
Sheet 1 of:	
Project No.:	Q27.001.001
Surface Elev.:	
Datum:	
Start Date:	12/20/16
Finish Date:	
Inspector:	SRH

Project Name:	100 Dona Street
Location:	Lackawanna, NY
Client:	City of Lackawanna
Drilling Firm:	Natures Way

Groundwater	Depth	Date & Time
While Drilling:		
Before Casing Removal:		
After Casing Removal:		

Drill Rig:	Earth Probe 200				
Casing:		**Rock Core:**		**Undist:**	
Sampler:		**Other:**			
Hammer:					

(N -- No. of blows to drive sampler 12" w/140 lb. hammer falling 30" ASTM D-1586, Standard Penetration Test)

c - coarse
m - medium
f - fine

a - and - 35-50%
s - some - 20-35%
l - little - 10-20%
t - trace - 0-10%

S - Sand, $ - Silt, G - Gravel, C - Clay, cly - clayey

Depth (ft)	Sample No.	Symbol	Blows on Sampler per 6"	MATERIAL DESCRIPTION	PID Reading	COMMENTS (e.g., N-value, recovery, relative moisture, core run, RQD, % recovered)
					PID Reading	Start: 8:20 AM
1				0-4" ***Topsoil***	0	End: 8:45 AM
				4-39" ***Brown, dry fine grained sand***	0	
2				39-40" ***Fragments of sheet rock***	0	44" Recovery
				40-42" ***Brown silty sand***	0	
3				42-44" ***Large rock chunk (limestone)***	0	
4						
				0-8" ***Brown silty sand***	0	
5				8-42" ***Tan, fine grained sand with gravel fragments***	0	
				Dry and compacted		42" Recovery
6						
7						
8						
				0-12" ***Dry brown sand***	0	
9				12-13" ***Rock fragments***	0	48" Recovery
				13-16" ***Dry brown sand with rock fragments***	0	
10				16-30" ***Dry, brown sand (dry and compacted)***	0	
				30-32" ***Rock fragments***	0	
11				32-48" ***Brown, fine grained sand with trace silt, moist***	0	
				Compacted		
12						
				END OF BORING AT 12 FEET		
13						
14						
15						
16						
17						
18						
						Samples:
19						
20						
21						
22						
23						

C&S Engineers, Inc.	BORING LOG	Boring No.	BH-2
141 Elm Street Buffalo, New York 14203 Phone: 716-847-1630 Fax: 716-847-1454 www.cscos.com		Sheet 1 of:	
		Project No.:	Q27.001.001

Project Name:	100 Dona Street	**Surface Elev.:**	
Location:	Lackawanna, NY	**Datum:**	
Client:	City of Lackawanna	**Start Date:**	
Drilling Firm:	Natures Way	**Finish Date:**	

Groundwater	Depth	Date & Time	Drill Rig:	Earth Probe 200			Inspector:	SRH
While Drilling:			Casing:		Rock Core:		Undist:	
Before Casing Removal:			Sampler:		Other:			
After Casing Removal:			Hammer:					

(N -- No. of blows to drive sampler 12" w/140 lb. hammer falling 30" ASTM D-1586, Standard Penetration Test)

Depth (ft)	Sample No.	Symbol	Blows on Sampler per 6"	c - coarse m - medium f - fine **MATERIAL DESCRIPTION** S - Sand, $ - Silt, G - Gravel, C - Clay, cly - clayey a - and - 35-50% s - some - 20-35% l - little - 10-20% t - trace - 0-10%	PID Reading	**COMMENTS** (e.g., N-value, recovery, relative moisture, core run, RQD, % recovered)
					PID Reading	Start: 8:45 AM
1				0-2" ***Topsoil***	0	End: 9:15 AM
				2-30" ***Dark brown dry sand***	0	
2				30-44" ***Dry, tan fine grained sand***	0	44" Recovered
3						
4						
5				0-14" ***Dry, medium grained brown sand***	0	
				Some rust colored staining		
6				14-36" ***Tan, fine grained sand***	0	45" Recovered
				SATURATED at 6 FT		
7				36-45" ***Tan, compacted, dry sand trace silt, with some rock fragments***	0	
8						
9				0-12" ***Brown, fine grained sand trace silt, moist***	0	
				12-45" ***Grey sand trace silt, moist and compacted with rock fragments***	0	45" Recovered
10						
11						
12						
13				***END OF BORING AT 12 FEET***		
14						
15						
16						
17						
18						
						Samples:
19						BH-2
						5-6 Feet
20						9:07 AM
21						
22						
23						

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BORING LOG

Boring No.	**BH-3**
Sheet 1 of:	
Project No.:	Q27.001.001
Surface Elev.:	
Datum:	
Start Date:	
Finish Date:	
Inspector:	SRH

Project Name:	100 Dona Street							
Location:	Lackawanna, NY							
Client:	City of Lackawanna							
Drilling Firm:	Natures Way							
Groundwater	**Depth**	**Date & Time**	**Drill Rig:**	Earth Probe 200				
While Drilling:			**Casing:**		**Rock Core:**		**Undist:**	
Before Casing Removal:			**Sampler:**		**Other:**			
After Casing Removal:			**Hammer:**					

(N -- No. of blows to drive sampler 12" w/140 lb. hammer falling 30" ASTM D-1586, Standard Penetration Test)

c - coarse
m - medium
f - fine

a - and - 35-50%
s - some - 20-35%
l - little - 10-20%
t - trace - 0-10%

S - Sand, $ - Silt, G - Gravel, C - Clay, cly - clayey

Depth (ft)	Sample No.	Symbol	Blows on Sampler per 6"	MATERIAL DESCRIPTION	PID Reading	COMMENTS (e.g., N-value, recovery, relative moisture, core run, RQD, % recovered)
					PID Reading	Start: 9:30 AM
1				0-14" ***Dark brown, dry sand***	0	End: 9:50 AM
				14-40" ***Tan, dry fine grained sand***	0	
2				40-42" ***Moist, brown/tan medium grained sand with trace***	0	42" Recovered
				silt		
3						
4						
				0-13" ***Brown, dry fine brown sand with rock fragments***	0	
5				13-15" ***Tan, clayey silt***	0	
				SATURATED AT 5.5 FEET		48" Recovered
6				15-48" ***Moist, tan fine grained sand with trace silt/clay***	0	
				imbedded rock fragments		
7						
8						
				0-18" ***Slug (tan saturated sand)***	0	
9				18-20" ***Rock Fragments***	0	
				20-48" ***Tan, dry medium grained sand with trace silt***	0	48" Recovered
10				***with rock fragments, very compacted***		
11						
12						
				END OF BORING AT 12 FEET		
13						
14						
15						
16						
17						
18						
						Samples:
19						
20						
21						
22						
23						

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BORING LOG

Boring No.	**BH-4**
Sheet 1 of:	
Project No.:	Q27.001.001
Surface Elev.:	
Datum:	
Start Date:	
Finish Date:	
Inspector:	SRH

Project Name:	100 Dona Street
Location:	Lackawanna, NY
Client:	City of Lackawanna
Drilling Firm:	Natures Way

Groundwater	Depth	Date & Time
While Drilling:		
Before Casing Removal:		
After Casing Removal:		

Drill Rig:	Earth Probe 200				
Casing:		**Rock Core:**		**Undist:**	
Sampler:		**Other:**			
Hammer:					

(N -- No. of blows to drive sampler 12" w/140 lb. hammer falling 30" ASTM D-1586, Standard Penetration Test)

Depth (ft)	Sample No.	Symbol	Blows on Sampler per 6"	c - coarse, m - medium, f - fine	MATERIAL DESCRIPTION (S - Sand, $ - Silt, G - Gravel, C - Clay, cly - clayey)	a - and - 35-50%, s - some - 20-35%, l - little - 10-20%, t - trace - 0-10%	COMMENTS (e.g., N-value, recovery, relative moisture, core run, RQD, % recovered)
						PID Reading	Start: 9:55 AM
1				0-6"	***Topsoil***	0	End: 10:15 AM
				6-18"	***Dark brown, dry sand***	0	
2				18-44"	***Tan, dry fine grained sand***	0	44" Recovered
3							
4							
5				0-24"	***Moist, brown medium grained sand***	0	
				24-32"	***Moist, brown clayey silt***	0	
6				32-33"	***Moist, soft brown silt***	0	40" Recovered
				33-40"	***Tan, fine grained sand***	0	
7							
8							
9				0-24"	***Moist, tan silty sand***	0	
					SATURATED AT 9 FEET		
10				24-40"	***Moist, tan fine grained sand***	0	48" Recovered
				40-41"	***Rock Fragments***	0	
11				41-48"	***Grey sand with large fragments***	0	
12							
13					***END OF BORING AT 12 FEET***		
14							
15							
16							
17							
18							
19							Samples:
							B-4
20							8-9 Feet
							10:15 AM
21							
22							
23							

C&S Engineers, Inc.	BORING LOG	Boring No.	BH-5
141 Elm Street Buffalo, New York 14203 Phone: 716-847-1630 Fax: 716-847-1454 www.cscos.com		Sheet 1 of:	
		Project No.:	Q27.001.001

Project Name:	100 Dona Street							**Surface Elev.:**	
Location:	Lackawanna, NY							**Datum:**	
Client:	City of Lackawanna							**Start Date:**	
Drilling Firm:	Natures Way							**Finish Date:**	
Groundwater	**Depth**	**Date & Time**	**Drill Rig:**	Earth Probe 200				**Inspector:**	SRH
While Drilling:			**Casing:**		**Rock Core:**		**Undist:**		
Before Casing Removal:			**Sampler:**		**Other:**				
After Casing Removal:			**Hammer:**						

(N -- No. of blows to drive sampler 12" w/140 lb. hammer falling 30" ASTM D-1586, Standard Penetration Test)

Depth (ft)	Sample No.	Symbol	Blows on Sampler per 6"	c - coarse m - medium f - fine **MATERIAL DESCRIPTION** S - Sand, $ - Silt, G - Gravel, C - Clay, cly - clayey a - and - 35-50% s - some - 20-35% l - little - 10-20% t - trace - 0-10%	PID Reading	**COMMENTS** (e.g., N-value, recovery, relative moisture, core run, RQD, % recovered)
					PID Reading	Start: 10:30 AM
1				0-5" ***Topsoil***	0	End: 10:55 AM
				5-18" ***Dark brown sand with large gravel chunk***	0	
2				18-46" ***Tan, dry fine grained sand***	0	46" Recovery
				24" tree root		
3						
4						
				0-19" ***Tan, dry fine grained sand***	0	
5				19-31" ***Tan, wet fine grained sand***	0	
				SATURATED at 9 FEET		48" Recovery
6				31-48" ***Moist, tan silty sand***	0	
7						
8						
				0-18" ***Moist, tan silty sand***	0	
9				18-22" ***Broken rock fragments***	0	
				22-36" ***Compacted silt sand with trace clay***	0	36" Recovered
10				***(some imbedded rock fragments)***		
11						
12						
				END OF BORING AT 12 FEET		
13						
14						
15						
16						
17						
18						
						Samples:
19						
20						
21						
22						
23						

C&S Engineers, Inc.	BORING LOG	Boring No.	BH-6
141 Elm Street Buffalo, New York 14203 Phone: 716-847-1630 Fax: 716-847-1454 www.cscos.com		Sheet 1 of:	
		Project No.:	Q27.001.001

Project Name:	100 Dona Street	**Surface Elev.:**	
Location:	Lackawanna, NY	**Datum:**	
Client:	City of Lackawanna	**Start Date:**	
Drilling Firm:	Natures Way	**Finish Date:**	

Groundwater	Depth	Date & Time	Drill Rig:	Earth Probe 200			Inspector:	SRH
While Drilling:			Casing:		Rock Core:		Undist:	
Before Casing Removal:			Sampler:		Other:			
After Casing Removal:			Hammer:					

(N -- No. of blows to drive sampler 12" w/140 lb. hammer falling 30" ASTM D-1586, Standard Penetration Test)

Depth (ft)	Sample No.	Symbol	Blows on Sampler per 6"	c - coarse m - medium f - fine **MATERIAL DESCRIPTION** S - Sand, $ - Silt, G - Gravel, C - Clay, cly - clayey a - and - 35-50% s - some - 20-35% l - little - 10-20% t - trace - 0-10%	PID Reading	**COMMENTS** (e.g., N-value, recovery, relative moisture, core run, RQD, % recovered)
						Start: 4:05 PM
1				0-8" ***Loose asphalt/Gravel***	0	End: 4:37 PM
				8-24" ***Dark brown, dry sand with brick/concrete fragments***	0	
2				24-48" ***Tan, dry fine grained sand***	0	48" Recovery
3						
4						
				0-6" ***Slug***	0	
5				6-45" ***Tan, dry fine grained sand***	0	
				45-48" ***Moist, tan silty sand***	0	48" Recovery
6						
7						
8						
				0-4" ***Tan, dry sand with small gravel fragments***	0	
9				4-38" ***Wet, fret silty sand***	3.3	
				SATURATED at 10 FEET		38" Recovered
10				***PETROLEUM ODOR***		
11						
12						
				0-26" ***Saturated, grey silty sand***	4.8	
13				***PETROLEUM ODOR***		
				26-40" ***Moist, compacted silty sand trace clay***	2.5	40" Recovery
14				***PETROLEUM ODOR***		
15						
16						
				END OF BORING AT 16.5 FEET		Refusal at 16.5 feet
17						
18						
						Samples:
19						BH-6
						11-12 Feet
20						4:25 PM
21						
22						
23						

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BORING LOG

Boring No.	**BH-7**
Sheet 1 of:	
Project No.:	Q27.001.001
Surface Elev.:	
Datum:	
Start Date:	
Finish Date:	
Inspector:	SRH

Project Name:	100 Dona Street							
Location:	Lackawanna, NY							
Client:	City of Lackawanna							
Drilling Firm:	Natures Way							
Groundwater	**Depth**	**Date & Time**	**Drill Rig:**	Earth Probe 200				
While Drilling:			**Casing:**		**Rock Core:**		**Undist:**	
Before Casing Removal:			**Sampler:**		**Other:**			
After Casing Removal:			**Hammer:**					

(N -- No. of blows to drive sampler 12" w/140 lb. hammer falling 30" ASTM D-1586, Standard Penetration Test)

c - coarse
m - medium
f - fine

a - and - 35-50%
s - some - 20-35%
l - little - 10-20%
t - trace - 0-10%

S - Sand, $ - Silt, G - Gravel, C - Clay, cly - clayey

Depth (ft)	Sample No.	Symbol	Blows on Sampler per 6"	MATERIAL DESCRIPTION		PID Reading	COMMENTS (e.g., N-value, recovery, relative moisture, core run, RQD, % recovered)
						PID Reading	Start: 3:30 PM
1				0-6"	***Loose asphalt, gravel***	0	End: 3:55 PM
				6-18"	***Dark brown, dry sand***	0	
2				18-36"	***Tan, compacted clayey silt***	0	48" Recovered
				36-38"	***Rock fragments***	0	
3				38-48"	***Dark brown sand***	0	
4							
5				0-2"	***Tan clayey silt***	21	
				2-30"	***Grey sand with black staining***	75	
6					***PETROLEUM ODOR***		42" Recovered
				30-42"	***Grey silty sand with trace clay and rock fragments***	15	
7					***PETROLEUM ODOR***		
8							
9				0-28"	***Wet silty sand with trace clay***	1.1	
					PETROLEUM ODOR		
10					***SATURATED AT 8 feet***		48" Recovered
				28-48"	***Grey silty sand with imbedded rocks***	1.6	
11					***PETROLEUM ODOR***		
12							
13					***END OF BORING AT 12 FEET***		
14							
15							
16							
17							
18							
19							Samples:
							BH-7
20							5-6 Feet
							3:40 PM
21							
22							
23							

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BORING LOG

Boring No.	**BH-8**
Sheet 1 of:	
Project No.:	Q27.001.001
Surface Elev.:	
Datum:	
Start Date:	
Finish Date:	
Inspector:	SRH

Project Name:	100 Dona Street
Location:	Lackawanna, NY
Client:	City of Lackawanna
Drilling Firm:	Natures Way

Groundwater	Depth	Date & Time	Drill Rig:	Earth Probe 200			Undist:	
While Drilling:			Casing:		Rock Core:			
Before Casing Removal:			Sampler:		Other:			
After Casing Removal:			Hammer:					

(N -- No. of blows to drive sampler 12" w/140 lb. hammer falling 30" ASTM D-1586, Standard Penetration Test)

Depth (ft)	Sample No.	Symbol	Blows on Sampler per 6"	c - coarse, m - medium, f - fine **MATERIAL DESCRIPTION** S - Sand, $ - Silt, G - Gravel, C - Clay, cly - clayey a - and - 35-50%, s - some - 20-35%, l - little - 10-20%, t - trace - 0-10%	PID Reading	**COMMENTS** (e.g., N-value, recovery, relative moisture, core run, RQD, % recovered)
						Start: 2:40 PM
1				0-5" ***Asphalt and gravel***	0	End: 3:15PM
				5-12" ***Dark brown, dry, sand***	0	
2				12-30" ***Tan, moist, fine sand***	0	38" Recovered
				30-36" ***Dark brown, coarse fill with yellow brick fragments***	0	
3				36-38" ***Dark brown, moist, silty sand***	0	
4						
				0-6" ***Slug***	0	
5				6-9" ***Dark brown, moist, silty sand***	0	
				9-24" ***Tan, moist, fine sand with gravel fragments***	0	40" Recovered
6				24-40" ***Tan, dryer, compacted silty sand, with large***	0	
				rock fragments		
7						
8						
				0-9" ***Loose, wet to saturated, silty sand. Saturated at 8 ft.***	0	
9				9-39" ***Tan to grayish tan at 24", moist, very compacted silty***	0	
				sand with imbedded rock fragments		39" Recovered
10						
11						
12						
				0-12" ***Slug - loose, wet to saturated, silty sand***	0	
13				12-38" ***Moist, very compacted silty sand with imbedded***	0	
				rock fragments		38" Recovered
14						
15						
				END OF BORING AT 15 FEET		Refusal at 15 feet
16						
17						
18						
						Samples:
19						BH-8
						2-4 Feet
20						2:45 PM
21						
22						
23						

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BORING LOG

Boring No.	**BH-9**
Sheet 1 of:	
Project No.:	Q27.001.001
Surface Elev.:	
Datum:	
Start Date:	
Finish Date:	
Inspector:	SRH

Project Name:	100 Dona Street
Location:	Lackawanna, NY
Client:	City of Lackawanna
Drilling Firm:	Natures Way

Groundwater	Depth	Date & Time
While Drilling:		
Before Casing Removal:		
After Casing Removal:		

Drill Rig:	Earth Probe 200				
Casing:		**Rock Core:**		**Undist:**	
Sampler:		**Other:**			
Hammer:					

(N -- No. of blows to drive sampler 12" w/140 lb. hammer falling 30" ASTM D-1586, Standard Penetration Test)

c - coarse
m - medium
f - fine

a - and - 35-50%
s - some - 20-35%
l - little - 10-20%
t - trace - 0-10%

S - Sand, $ - Silt, G - Gravel, C - Clay, cly - clayey

Depth (ft)	Sample No.	Symbol	Blows on Sampler per 6"	MATERIAL DESCRIPTION	PID Reading	COMMENTS (e.g., N-value, recovery, relative moisture, core run, RQD, % recovered)
					PID Reading	Start: 2:00 PM
1				0-5" ***Asphalt and rock fragments***	0	
				5-19" ***Dark brown, dry, coarse sand with yellow brick***	0	
2				***fragments***		39" Recovered
				19-39" ***Brown, moist, fine sand***	0	
3						
4						
				0-6" ***Slug***	0	
5				6-30" ***Tan, moist, silty sand with trace clay***	0	
				30-40" ***Grey, dry, compacted silty sand with imbedded***	0	40" Recovered
6				***rock fragments***		
7						
8						
				0-24" ***Moist, heavily compacted, silty sand with***	0	
9				***imbedded gravel***		
						24" Recovered
10						
11						
12						
				END OF BORING AT 12 FEET		
13						
14						
15						
16						
17						
18						
						Samples:
19						BH-9
						1.5-2.5 Feet
20						2:10 PM
21						
22						
23						

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BORING LOG

Boring No.	**BH-10**
Sheet 1 of:	
Project No.:	Q27.001.001
Surface Elev.:	
Datum:	
Start Date:	
Finish Date:	
Inspector:	SRH

Project Name:	100 Dona Street							
Location:	Lackawanna, NY							
Client:	City of Lackawanna							
Drilling Firm:	Natures Way							
Groundwater	**Depth**	**Date & Time**	**Drill Rig:**	Earth Probe 200				
While Drilling:			**Casing:**		**Rock Core:**		**Undist:**	
Before Casing Removal:			**Sampler:**		**Other:**			
After Casing Removal:			**Hammer:**					

(N -- No. of blows to drive sampler 12" w/140 lb. hammer falling 30" ASTM D-1586, Standard Penetration Test)

c - coarse
m - medium
f - fine

a - and - 35-50%
s - some - 20-35%
l - little - 10-20%
t - trace - 0-10%

S - Sand, $ - Silt, G - Gravel, C - Clay, cly - clayey

Depth (ft)	Sample No.	Symbol	Blows on Sampler per 6"		**MATERIAL DESCRIPTION**	PID Reading	**COMMENTS** (e.g., N-value, recovery, relative moisture, core run, RQD, % recovered)
							Start: 11:10 AM
1				0-2"	***Topsoil***	0	End: 11:52 AM
				2-30"	***Dark brown, dry, sand with brick and concrete***	0	
2					***fragments***		40" Recovered
				30-38"	***Very dry, silty sand with rock fragments***	0	
3				38-40"	***Tan, dry, fine sand***	0	
4							
				0-2"	***Slug***	0	
5				2-33"	***Tan, dry, fine grained sand***	0	
				33-36"	***Tan sand with trace clay***	0	36" Recovered
6							
7							
8							
				0-5"	***Tan, dry, fine sand***	0	
9				5-7"	***Dark brown, coarse sand***	0	
				7-41"	***Tan, dry, compacted sand with trace silt and***	0	48" Recovered
10					***imbedded rock fragments***		
				41-48"	***Grey, dry, silty sand with reddish hue imbedded***	0	
11					***gravel***		
12							
				0-15"	***Tan, dry, fine sand***	0	
13				15-27"	***Silty sand with some clay***	0	
				27-29"	***Rock fragments***	0	43" Recovered
14				29-41"	***Grey, silty sand with dry, trace clay***	0	
				41-43"	***Shale fragments***	0	
15							
16							
				0-18"	***Shale fragments***	0	18" Recovered
17							
18					***END OF BORING 17.5 FEET***		Refusal at 17.5 feet
							Samples:
19							BH-10
							1-2 Feet
20							11:15 AM
21							
22							
23							

C&S Engineers, Inc.
141 Elm Street
Buffalo, New York 14203
Phone: 716-847-1630
Fax: 716-847-1454
www.cscos.com

BORING LOG

Boring No.	BH-11
Sheet 1 of:	
Project No.:	Q27.001.001
Surface Elev.:	
Datum:	
Start Date:	
Finish Date:	
Inspector:	SRH

Project Name:	100 Dona Street							
Location:	Lackawanna, NY							
Client:	City of Lackawanna							
Drilling Firm:	Natures Way							
Groundwater	Depth	Date & Time	Drill Rig:	Earth Probe 200				
While Drilling:			Casing:		Rock Core:		Undist:	
Before Casing Removal:			Sampler:		Other:			
After Casing Removal:			Hammer:					

(N -- No. of blows to drive sampler 12" w/140 lb. hammer falling 30" ASTM D-1586, Standard Penetration Test)

c - coarse
m - medium
f - fine

a - and - 35-50%
s - some - 20-35%
l - little - 10-20%
t - trace - 0-10%

S - Sand, $ - Silt, G - Gravel, C - Clay, cly - clayey

Depth (ft)	Sample No.	Symbol	Blows on Sampler per 6"	MATERIAL DESCRIPTION		PID Reading	COMMENTS (e.g., N-value, recovery, relative moisture, core run, RQD, % recovered)
						PID Reading	Start: 12:40 PM
1				0-7"	***Topsoil***	0	End: 1:00 PM
				7-15"	***Fill - dark, coarse sand with brick and concrete***	0	
2					***fragments***		38" Recovered
				15-20"	***Brown, dry, sand with brick***	0	
3				20-38"	***Tan, dry, fine sand***	0	
4							
				0-5"	***Slug***	0	
5				5-18"	***Tan, fine sand, wet at 18" or approximately 5.5 feet***	0	
				18-34"	***Tan, sand with some clay, moist***	0	48" Recovered
6				34-40"	***Tan, silty sand***	0	
				40-48"	***Grey, silty sand with trace clay, compacted***	0	
7							
8							
				0-12"	***brown, silty sand with trace clay, moist***	0	
9				12-15"	***Rock fragments***	0	
				15-33"	***Grey, compacted silty sand with imbedded rock***	0	33" Recovered
10					***fragments***		
11							
12							
					END OF BORING AT 12 FEET		
13							
14							
15							
16							
17							
18							
							Samples:
19							BH-11
							1-2 Feet
20							12:50 PM
21							
22							
23							

C&S Engineers, Inc.	BORING LOG	Boring No.	BH-12
141 Elm Street Buffalo, New York 14203 Phone: 716-847-1630 Fax: 716-847-1454 www.cscos.com		Sheet 1 of:	
		Project No.:	Q27.001.001

Project Name:	100 Dona Street							**Surface Elev.:**	
Location:	Lackawanna, NY							**Datum:**	
Client:	City of Lackawanna							**Start Date:**	
Drilling Firm:	Natures Way							**Finish Date:**	
Groundwater	**Depth**	**Date & Time**	**Drill Rig:**	Earth Probe 200				**Inspector:**	SRH
While Drilling:			**Casing:**		**Rock Core:**		**Undist:**		
Before Casing Removal:			**Sampler:**		**Other:**				
After Casing Removal:			**Hammer:**						

(N -- No. of blows to drive sampler 12" w/140 lb. hammer falling 30" ASTM D-1586, Standard Penetration Test)

Depth (ft)	Sample No.	Symbol	Blows on Sampler per 6"	c - coarse m - medium f - fine **MATERIAL DESCRIPTION** S - Sand, $ - Silt, G - Gravel, C - Clay, cly - clayey a - and - 35-50% s - some - 20-35% l - little - 10-20% t - trace - 0-10%		PID Reading	**COMMENTS** (e.g., N-value, recovery, relative moisture, core run, RQD, % recovered)
							Start: 1:00 PM
1				0-5"	***Topsoil***	0	End: 1:45PM
				5-18"	***Dark brown, dry, silty sand***	0	
2				18-22"	***Fill - dark sand with brick and concrete fragments***	0	40" Recovered
				22-36"	***Dark brown, dry, fine sand***	0	
3				36-40"	***Grey, dry, fine sand***	0	
4							
				0-5"	***Slug***	0	
5				5-24"	***Grey, moist, silty sand with trace clay***	0	
				24-28"	***Rock fragments***	0	39" Recovered
6				28-39"	***Grey, silty sand, cmpacted, with imbedded rock***	0	
					fragments		
7							
8							
				0-15"	***Grey, moist, silty sand***	0	
9				15-17"	***Dark brown, dry, medium grain sand with rock***	0	
					fragments	0	40" Recovered
10				17-40"	***Grey, dry, compacted silty sand with rock imbedded***		
11							
12							
				0-31"	***Grey, wet to moist, medium grain sand***	0	
13				31-48"	***Grey, dry, compacted silty sand, saturated at 13 feet***	0	
							48" Recovered
14							
					END OF BORING AT 14 FEET		Refusal at 14 feet
15							
16							
17							
18							
							Samples:
19							BH-12
							2-3 Feet
20							1:10 PM
21							
22							
23							

C&S Engineers, Inc.
499 Col. Eileen Collins Blvd.
Syracuse, New York 13212
Phone: 315-455-2000
Fax: 315-455-9667
www.cscos.com

BORING LOG
GENERAL INFORMATION & KEY

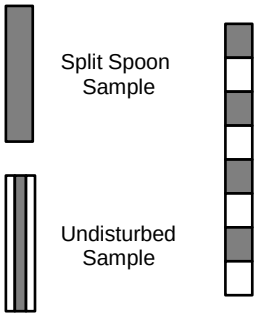
Casing, Sampling and Other Equipment

H.S.A: Hollow Stem Auger (record I.D.)
S.S.A: Solid Stem Auger (record O.D.)
Steel: Hollow Steel Flush Joint Casing (recorded I.D.)
Open: Open Hole / No Casing (record I.D.)
S.S.: Split Spoon (record I.D.)
Hammer: Auto - Automatic, Manual - Manual (rope & cat-head)
Undist: Tube - Shelby, Oste - Osteberg (record I.D. & length)

Rock Cores

Standard	I.D.	Wire Line	I.D.
EW / EX	1-13/32"	--	--
AW / AX	1-25/32"	AQ	1-1/8"
BW / BX	2-7/32"	BQ	1-1/2"
NW / NX	2-27/32"	NQ	1-31/32"
HW / HX	2-25/32"	HQ	2-5/8"

Symbol Legend & Abbreviations



Abbreviations

W.O.R. - Weight of Rods
W.O.H. - Weight of Rods & Hammer
N - Standard Penetration Test N-value
N.W.E. - No Water Encountered
do - ditto (same as above)
Rec - Recovery
RQD - Rock Quality Designation
PP - Pocket Penetrometer
Tor - Torvane

Color

br - brown
rd - red
gr - gray
grn - green
blk - black
wht - white

Description of Soil Density

Relative Soil Density determined while advancing the soil boring by using ASTM Method D-1586, *Standard Penetration Test N-Value*. The N-Value is calculated by adding the hammer blow counts of the 2nd and 3rd sampling intervals together for driving a 2" O.D. sampler with a 140 lb. hammer falling 30" --OR-- by obtaining Pocket Penetrometer or Torvane Readings.

Course Grained Soils (Greater than half the material larger than No. 200 Sieve (sand and gravel))		**Fine Grained Soils**					
		N-Value	**Undrained Shear Strength (q_u)**				**Relative Density**
			psi	psf	tsf or kg/cm^2	kN/m^2	
N-Value	**Relative Density**	< 2	< 2.5	< 375	< 0.2	< 20	Very Soft
< 4	Very Loose	2 to 4	2.5 - 5	375 - 750	0.20 - 0.40	20 - 40	Soft
4 to 10	Loose	5 to 8	5 -10	750 - 1,500	0.40 - 0.75	40 - 75	Firm -or- Medium Stiff
11 to 30	Medium Dense	9 to 15	10 - 20	1,500 - 3,000	0.75 - 1.50	75 - 150	Stiff
31 to 50	Dense	16 to 30	20 - 40	3,000 - 6,000	1.50 - 3.00	150 - 300	Very Stiff
> 50	Very Dense	> 30	> 40	> 6,000	> 3	> 3,000	Hard

Description of Soil Type

Material	**Grain Size**	**Material**	**Grain Size**	**Material**	**Grain Size**	**Material**	**Grain Size**
Boulder	> 8"	**Gravel**		**Sand**		**Silt & Clay**	< #200
Cobble	8" - 3"	Course	3" - 1-1/2"	Course	#4 - #10	Note: # indicates U.S. Standard Sieve with size shown.	
		Medium	1-1/2" - 3/4"	Medium	#10 - #40		
		Fine	3/4" - #4	Fine	#40 - #200		

Bed Rock Classification Terms & Field Test / Field Observation

Term	**Field Test / Field Observation**
Hardness	
Soft	Can be Scratched by Fingernail
Medium Hard	Easily Scratched by Pen Knife or Nail
Hard	Difficultly Scratched by Pen Knife or Nail
Very Hard	Cannot be Scratched by Pen Knife or Nail
Weathering	
Very Weathered	Based on observations (e.g., amount of disintegration, iron staining, core recovery, clay seams, amount of material within joints, etc.)
Weathered	
Sound	
Bedding (Natural Breaks in Rock Layers)	
Laminated	< 1 inch
Thinly Bedded	1 inch to 4 inches
Bedded	4 inches to 12 inches
Thickly Bedded	12 inches to 36 inches
Massive	> 36 inches

Rock Mass Classification based on RQD

RQD	**Rock Mass Quality**
< 25%	very poor
25% - 50%	poor
50% - 75%	fair
75% - 90%	good
90% - 100%	excellent

$$RQD = \frac{\Sigma \text{ of pieces} \geq 4"}{\text{total length of run}}$$

ASTM Method D-6032, *Standard Test Method for Determining Rock Quality Designation (RQD) of Rock Cores*

APPENDIX B

Test Pit Logs

C&S Engineers, Inc.	TEST PIT	Test Pit No.	TP-1
141 Elm Street Buffalo, New York 14203 Phone: 716-847-1630 Fax: 716-847-1454 www.cscos.com		Sheet 1 of:	
		Project No.:	Q27.001.001

Project Name:	100 Dona Street			**Start Date:**	
Location:	Lackawanna, NY	**Operator:**		**Finish Date:**	
Client:	City of Lackawanna	**Equipment:**		**Inspector:**	

Depth (ft)	Sample No.	Symbol	Exc. Depth	MATERIAL DESCRIPTION c - coarse, m - medium, f - fine; a - and - 35-50%, s - some - 20-35%, l - little - 10-20%, t - trace - 0-10% S - Sand, $ - Silt, G - Gravel, C - Clay, cly - clayey		COMMENTS (e.g., caving of sidewalls, excavation difficulties, PID readings)
			0-1'	***Dark brown, dry, sand***	0 ppm	Start: 9:45 AM
						End: 10:00 AM
1						
2			2-6'	***Tan, dry, medium grained sand with slate frags***	0 ppm	
3						
4						
5			6-8'	***Moist, brown sand***	0 ppm	
6						
7						
8						
9				***END OF TEST PIT AT 8 FEET***		
10						
11						
12						
13						
14						
15						

Sample:
6-7 Feet
9:50 AM

C&S COMPANIES	C&S Engineers, Inc. 141 Elm Street Buffalo, New York 14203 Phone: 716-847-1630 Fax: 716-847-1454 www.cscos.com	**TEST PIT**	***Test Pit No.***	**TP-2**
			Sheet 1 of:	
			Project No.:	Q27.001.001
Project Name:	100 Dona Street		***Start Date:***	
Location:	Lackawanna, NY	***Operator:***	***Finish Date:***	
Client:	City of Lackawanna	***Equipment:***	***Inspector:***	

Depth (ft)	Sample No.	Symbol	Exc. Depth	c - coarse m - medium f - fine **MATERIAL DESCRIPTION** a - and - 35-50% s - some - 20-35% l - little - 10-20% t - trace - 0-10% S - Sand, $ - Silt, G - Gravel, C - Clay, cly - clayey		**COMMENTS** (e.g., caving of sidewalls, excavation difficulties, PID readings)
			0-1'	***Dark brown, dry, sand***	0 ppm	Start: 10:06 AM
						End: 10:24 AM
1						
2			1-4'	***Tan, dry, medium grained sand***	0 ppm	
3						
4						
5			4-8.5'	***Tan, dry, medum grained sand with gravel rocks, moist, large rocks and slate fragments***	0 ppm	
6						
7						
8						
9				***END OF TEST PIT AT 8.5 FEET***		
10						
11						
12						
13						
14						
15						

C&S COMPANIES	C&S Engineers, Inc. 141 Elm Street Buffalo, New York 14203 Phone: 716-847-1630 Fax: 716-847-1454 www.cscos.com	**TEST PIT**	***Test Pit No.***	**TP-3**
			Sheet 1 of:	
			Project No.:	Q27.001.001
Project Name:	100 Dona Street		***Start Date:***	
Location:	Lackawanna, NY	***Operator:***	***Finish Date:***	
Client:	City of Lackawanna	***Equipment:***	***Inspector:***	

Depth (ft)	Sample No.	Symbol	Exc. Depth	c - coarse m - medium f - fine **MATERIAL DESCRIPTION** S - Sand, $ - Silt, G - Gravel, C - Clay, cly - clayey a - and - 35-50% s - some - 20-35% l - little - 10-20% t - trace - 0-10%		**COMMENTS** (e.g., caving of sidewalls, excavation difficulties, PID readings)
			0-2'	***Topsoil (dark brown, dry, sand)***	0 ppm	Start: 10:35 AM
						End: 10:53 AM
1						
2						
3			2-3'	***Tan, dry, fine sand***	0 ppm	
4			3-7'	***Brown and tan, moist, sand with slate fragments***	0 ppm	
				A large rock was located at approximately 5 feet		
5						
6						
7						
8			7-8'	***Brown, moist, silty sand with slate fragments***	0 ppm	
9				***END OF TEST PIT AT 8 FEET***		
10						
11						
12						
13						
14						
15						

C&S COMPANIES	C&S Engineers, Inc. 141 Elm Street Buffalo, New York 14203 Phone: 716-847-1630 Fax: 716-847-1454 www.cscos.com	**TEST PIT**	***Test Pit No.***	**TP-4**
			Sheet 1 of:	
			Project No.:	Q27.001.001

Project Name:	100 Dona Street			***Start Date:***	
Location:	Lackawanna, NY	***Operator:***		***Finish Date:***	
Client:	City of Lackawanna	***Equipment:***		***Inspector:***	

Depth (ft)	Sample No.	Symbol	Exc. Depth	c - coarse m - medium f - fine **MATERIAL DESCRIPTION** S - Sand, $ - Silt, G - Gravel, C - Clay, cly - clayey a - and - 35-50% s - some - 20-35% l - little - 10-20% t - trace - 0-10%		**COMMENTS** (e.g., caving of sidewalls, excavation difficulties, PID readings)
			0-1'	***Topsoil (dark brown, dry, sand)***	0 ppm	Start: 11:15 AM
						End: 11:33 AM
1						
2			1-4'	***Tan, dry, fine grained sand with rock fragments***	0 ppm	
3						
4						
5			4-9'	***Brown, moist, silty sand with rock fragments, large rocks within soil***	0 ppm	
6						
7						
8						
9				***END OF TEST PIT AT 9 FEET***		
10						
11						
12						
13						
14						
15						

C&S COMPANIES	C&S Engineers, Inc. 141 Elm Street Buffalo, New York 14203 Phone: 716-847-1630 Fax: 716-847-1454 www.cscos.com	**TEST PIT**	***Test Pit No.***	**TP-5**
			Sheet 1 of:	
			Project No.:	Q27.001.001

Project Name:	100 Dona Street			***Start Date:***	
Location:	Lackawanna, NY	***Operator:***		***Finish Date:***	
Client:	City of Lackawanna	***Equipment:***		***Inspector:***	

Depth (ft)	Sample No.	Symbol	Exc. Depth	c - coarse m - medium f - fine **MATERIAL DESCRIPTION** a - and - 35-50% s - some - 20-35% l - little - 10-20% t - trace - 0-10% S - Sand, $ - Silt, G - Gravel, C - Clay, cly - clayey		**COMMENTS** (e.g., caving of sidewalls, excavation difficulties, PID readings)
			0-0.5'	***Topsoil***		Start: 2:15 PM
1			0.5-3'	***Dark brown, dry, sand***	0 ppm	
2						
3						
4			3-5'	***Tan, dry, fine sand with slate fragments***	0 ppm	
5						
6			5-9'	***Brown, moist, silty sand with rock fragments***		
				WATER AT 7 FEET		
7						
8						
9						
10				***END OF TEST PIT AT 9 FEET***		
11						
12						
13						
14						
15						

GW-1/BH-1	***8-13 ft***
GW-2	***7-12 ft***
GW-3	
GW-4	***7-12 ft***
GW-5	***9-14 ft screen***

C&S Engineers, Inc. 141 Elm Street Buffalo, New York 14203 Phone: 716-847-1630 Fax: 716-847-1454 www.cscos.com	**TEST PIT**	***Test Pit No.***	**TP-6**
		Sheet 1 of:	
		Project No.:	Q27.001.001
Project Name: 100 Dona Street		***Start Date:***	
Location: Lackawanna, NY	***Operator:***	***Finish Date:***	
Client: City of Lackawanna	***Equipment:***	***Inspector:***	

Depth (ft)	Sample No.	Symbol	Exc. Depth	c - coarse m - medium f - fine **MATERIAL DESCRIPTION** S - Sand, $ - Silt, G - Gravel, C - Clay, cly - clayey a - and - 35-50% s - some - 20-35% l - little - 10-20% t - trace - 0-10%		**COMMENTS** (e.g., caving of sidewalls, excavation difficulties, PID readings)
			0-0.5'	***Topsoil***	0 ppm	Start: 11:56 AM
1			0.5-3'	***Dark brown, dry, sand***	0 ppm	
2						
3						
4			3-6'	***Tan, dry, fine grained sand***	0 ppm	
5						
6						
7			6-8'	***Grey, dry, fine grained sand***	0 ppm	
8						
9						
10						
11						
12						
13						
14						
15						

C&S COMPANIES	C&S Engineers, Inc. 141 Elm Street Buffalo, New York 14203 Phone: 716-847-1630 Fax: 716-847-1454 www.cscos.com	**TEST PIT**	***Test Pit No.***	**TP-7**
			Sheet 1 of:	
			Project No.:	Q27.001.001
Project Name:	100 Dona Street		***Start Date:***	
Location:	Lackawanna, NY	***Operator:***	***Finish Date:***	
Client:	City of Lackawanna	***Equipment:***	***Inspector:***	

Depth (ft)	Sample No.	Symbol	Exc. Depth	c - coarse m - medium f - fine **MATERIAL DESCRIPTION** a - and - 35-50% s - some - 20-35% l - little - 10-20% t - trace - 0-10% S - Sand, $ - Silt, G - Gravel, C - Clay, cly - clayey		**COMMENTS** (e.g., caving of sidewalls, excavation difficulties, PID readings)
			0-0.5'	***Topsoil***	0 ppm	Start: 12:24 PM
						End: 12:40 PM
1			0.5-2'	***Dark brown, dry, sand with some brick fragments***	0 ppm	
2						
3			2-7'	***Tan, dry, fine sand with rock fragments***	0 ppm	
				Large rock with 1.5 ft diameter located in this layer		
4						
5						
6						
7						
8			7-8'	***Grey, moist, fine sand with large rocks***	0 ppm	
9				***END OF TEST PIT AT 8 FEET***		
10						
11						
12						
13						
14						
15						

Samples:
TP-7
1-2 Feet

C&S COMPANIES	C&S Engineers, Inc. 141 Elm Street Buffalo, New York 14203 Phone: 716-847-1630 Fax: 716-847-1454 www.cscos.com	**TEST PIT**	***Test Pit No.***	**TP-8**
			Sheet 1 of:	
			Project No.:	Q27.001.001

Project Name:	100 Dona Street			***Start Date:***	
Location:	Lackawanna, NY	***Operator:***		***Finish Date:***	
Client:	City of Lackawanna	***Equipment:***		***Inspector:***	

Depth (ft)	Sample No.	Symbol	Exc. Depth	c - coarse m - medium f - fine **MATERIAL DESCRIPTION** S - Sand, $ - Silt, G - Gravel, C - Clay, cly - clayey a - and - 35-50% s - some - 20-35% l - little - 10-20% t - trace - 0-10%		**COMMENTS** (e.g., caving of sidewalls, excavation difficulties, PID readings)
			0-1'	***Dark brown, dry, sand***	0 ppm	Start: 12:55 PM
1						
2			1-3'	***Tan, dry, fine sand with rock fragments***	0 ppm	
3						
4			3-8'	***Brown, sand with slate fragments***	0 ppm	
				Large boulder with 2 ft diamter located in this layer		
5						
6						
7						
8						
9				***END OF TEST PIT AT 8 FEET***		
10						
11						
12						
13						
14						
15						

C&S COMPANIES	C&S Engineers, Inc. 141 Elm Street Buffalo, New York 14203 Phone: 716-847-1630 Fax: 716-847-1454 www.cscos.com	**TEST PIT**		***Test Pit No.***	**TP-9**
				Sheet 1 of:	
				Project No.:	Q27.001.001
Project Name:	100 Dona Street			***Start Date:***	
Location:	Lackawanna, NY	***Operator:***		***Finish Date:***	
Client:	City of Lackawanna	***Equipment:***		***Inspector:***	

Depth (ft)	Sample No.	Symbol	Exc. Depth	c - coarse m - medium f - fine **MATERIAL DESCRIPTION** a - and - 35-50% s - some - 20-35% l - little - 10-20% t - trace - 0-10% S - Sand, $ - Silt, G - Gravel, C - Clay, cly - clayey		**COMMENTS** (e.g., caving of sidewalls, excavation difficulties, PID readings)
			0-6"	***Asphalt***	0 ppm	Start: 1:40 PM
						End: 2:05 PM
1			6"-6'	***Dark brown, dry, sand with rocks and slate fragments***	0 ppm	
			6"-10'	***Grey stained (black), sand and silt***	5 ppm	
2				***PETROLEUM ODOR***		
				Water at 7 ft		
3				***Staining at 6-10 ft***		
4						
5						
6						
7						
8						
9						
10						
11				***END OF TEST PIT AT 10 FEET***		
12						
13						
14						
15						

Samples:
TP-9
6-7 Feet

APPENDIX C

Groundwater Well Sampling Field Data

C&S Engineers, Inc.
141 Elm Street Suite 100
Buffalo, New York 14203
Phone: 716-847-1630
www.cscos.com

Well Sampling Field Data Sheet

Well Casing Unit Volume (gal/l.f.)		
1¼" = 0.08	2" = 0.17	3" = 0.38
4" = 0.66	6" = 1.5	8" = 2.6

Client Name:
Site Name: 100 Pond
Project No.:
Field Staff: SRA

WELL DATA

Date		11/16/17							
Well Number		GW-1							
Diameter (inches)		2"							
Total Sounded Depth (feet)		12.5							
Static Water Level (feet)		6.2							
H_2O Column (feet)									
Pump Intake (feet)									
Well Volume (gallons)		1.07							
Amount to Evacuate (gallons)		3.2							
Amount Evacuated (gallons)									

FIELD READINGS

Date	Stabilization Criteria	11/16/17	–	–					
Time		9:56	10:07	10:15					
pH (Std. Units)	+/-0.1	7.16	7.11	8.3					
Conductivity (mS/cm)	3%	.481	0.51	0.503					
Turbidity (NTU)	10%	167.61	83	1.6					
D.O. (mg/L)	10%	8.26	9.6	9.0					
Temperature (°C) (°F)	3%	6.4	9°C	8.7°					
ORP[3](mV)	+/-10 mv	257.0	157	140					
Appearance		C	C	C					
Free Product (Yes/No)		No							
Odor		No							
Comments		1.5 gal 3							

FINAL

C = Clear T = Turbid ST = Semi Turbid VT = Very Turbid

C&S Engineers, Inc.
141 Elm Street Suite 100
Buffalo, New York 14203
Phone: 716-847-1630
www.cscos.com

Well Sampling Field Data Sheet

Well Casing Unit Volume (gal/l.f.)		
1¼" = 0.08	2" = 0.17	3" = 0.38
4" = 0.66	6" = 1.5	8" = 2.6

Client Name:
Site Name: 100 Dona
Project No.:
Field Staff: SDH

WELL DATA

Date		1/16							
Well Number		GW-2							
Diameter (inches)		2							
Total Sounded Depth (feet)		13							
Static Water Level (feet)		3.8							
H_2O Column (feet)		9.2							
Pump Intake (feet)									
Well Volume (gallons)		1.5L							
Amount to Evacuate (gallons)		4.4							
Amount Evacuated (gallons)		5 gal							

FIELD READINGS

Date	Stabilization Criteria								
Time		11:54	11:58	12:02					
pH (Std. Units)	+/-0.1	7.29	7.2	8.1					
Conductivity (mS/cm)	3%	0.67	0.033	0.02					
Turbidity (NTU)	10%	918	3.2	3.0					
D.O. (mg/L)	10%	7.63	9.40%	94.1%					
Temperature (°C) (°F)	3%	7.1	7.0	8.0					
ORP[3](mV)	+/-10 mv	206.3	195	203					
Appearance		little turb	C	C					
Free Product (Yes/No)		N	N	N					
Odor		N	N	N					
Comments			3 gal	5 gal					

FINAL

C = Clear T = Turbid ST = Semi Turbid VT = Very Turbid

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www.cscos.com

Well Sampling Field Data Sheet

Well Casing Unit Volume (gal/l.f.)		
1¼" = 0.08	2" = 0.17	3" = 0.38
4" = 0.66	6" = 1.5	8" = 2.6

Client Name:
Site Name: Dupont
Project No.:
Field Staff: SRH

WELL DATA

Date									
Well Number		GW-3							
Diameter (inches)		2"							
Total Sounded Depth (feet)		8.4							
Static Water Level (feet)		14.3							
H_2O Column (feet)		5.9							
Pump Intake (feet)		↓							
Well Volume (gallons)		1 gal							
Amount to Evacuate (gallons)		3 gal							
Amount Evacuated (gallons)									

FIELD READINGS

Date	Stabilization Criteria								
Time		1:05	1:12						
pH (Std. Units)	+/-0.1	7.33	7.5						
Conductivity (mS/cm)	3%	0.877	0.89						
Turbidity (NTU)	10%	103	262						
D.O. (mg/L)	10%	96.5	80%						
Temperature (°C) (°F)	3%	11.3	11.4						
ORP[3](mV)	+/-10 mv	-26.5	-14						
Appearance		T	ST						
Free Product (Yes/No)		N	N						
Odor		N	N						
Comments		2 gal	4 gal						

FINAL

C = Clear T = Turbid ST = Semi Turbid VT = Very Turbid

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Well Sampling Field Data Sheet

Well Casing Unit Volume (gal/l.f.)		
1¼" = 0.08	2" = 0.17	3" = 0.38
4" = 0.66	6" = 1.5	8" = 2.6

Client Name:
Site Name: 100 Dana
Project No.:
Field Staff: SRH

WELL DATA

Date									
Well Number		GW-4							
Diameter (inches)		2							
Total Sounded Depth (feet)		12.2							
Static Water Level (feet)		3.4							
H_2O Column (feet)		8.8							
Pump Intake (feet)									
Well Volume (gallons)		1.5							
Amount to Evacuate (gallons)		4.5							
Amount Evacuated (gallons)		5							

FIELD READINGS

Date	Stabilization Criteria								
Time		1:46	2:00	14:08					
pH (Std. Units)	+/-0.1	7.56	7.26	7.29					
Conductivity (mS/cm)	3%	0.63	0.531	0.521					
Turbidity (NTU)	10%	912	1300	217					
D.O. (mg/L)	10%	28.3%	60%	51%					
Temperature (°C) (°F)	3%	10.1	9.9	11.2					
ORP[3](mV)	+/-10 mv	177.9	109.3	156					
Appearance		T	T	T					
Free Product (Yes/No)		N	N	N					
Odor		N	N	N					
Comments		0	2 gal	5 gal					

FINAL

C = Clear T = Turbid ST = Semi Turbid VT = Very Turbid

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Buffalo, New York 14203
Phone: 716-847-1630
www.cscos.com

Well Sampling Field Data Sheet

Well Casing Unit Volume (gal/l.f.)		
1¼" = 0.08	2" = 0.17	3" = 0.38
4" = 0.66	6" = 1.5	8" = 2.6

Client Name: City of Lackawanna
Site Name: Mill Donna Street
Project No.: 027
Field Staff: SRH

WELL DATA

Date		2/23/17							
Well Number		GW-5							
Diameter (inches)		2"							
Total Sounded Depth (feet)		12.3 ft							
Static Water Level (feet)		7.7 ft							
H_2O Column (feet)		4.6 ft							
Pump Intake (feet)									
Well Volume (gallons)		0.782							
Amount to Evacuate (gallons)		2.5							
Amount Evacuated (gallons)		2.5							

FIELD READINGS

FINAL

Date	Stabilization Criteria	2/23	2/23	2/23					
Time									
pH (Std. Units)	+/-0.1	7.11	7.31	7.01					
Conductivity (mS/cm)	3%	0.007	0.001	0.99					
Turbidity (NTU)	10%	3.1	44	45					
D.O. (mg/L)	10%	11.12	11.28	NM					
Temperature (°C) (°F)	3%	12.8	13.2	10.6					
ORP[3](mV)	+/-10 mv	120	187	18					
Appearance		ST	ST	C					
Free Product (Yes/No)		No	No						
Odor		No	No						
Comments		0.5 gal	1.5 gal	2.5 gal					

C = Clear T = Turbid ST = Semi Turbid VT = Very Turbid

Sample taken at 9:50

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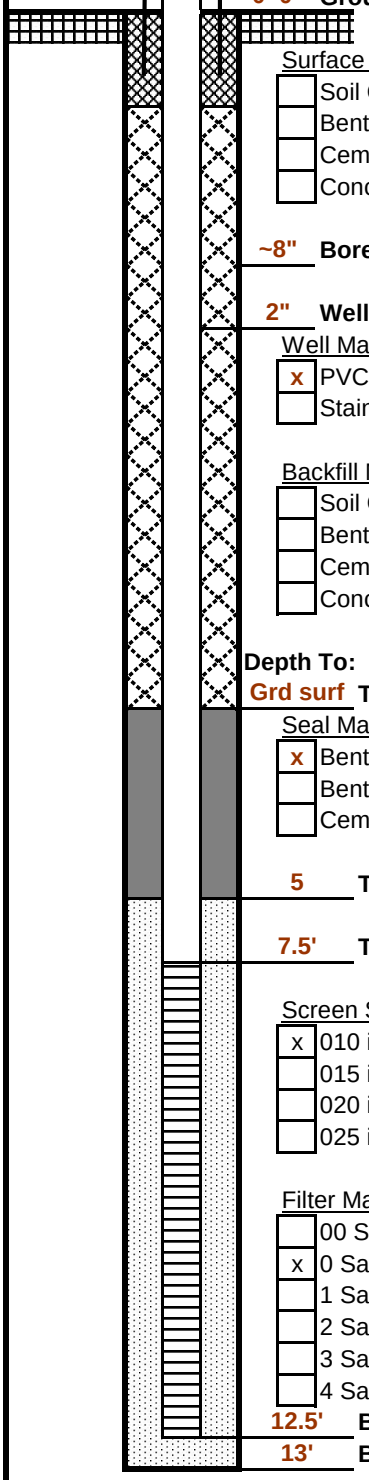
499 Col. Eileen Collins Blvd.
Syracuse, New York 13212
Phone: 315-455-2000
Fax: 315-455-9667
www.cscos.com

GROUNDWATER OBSERVATION WELL CONSTRUCTION LOG

Well No.	**GW-1**
Project No.:	
Surface Elev.:	
Datum:	GROUND SURFACE
Start Date:	
Finish Date:	
Inspector:	SRH

Project Name:	Dona Street		
Location:	Lackawanna, NY		
Client:			
Drilling Firm:	Nature's Way	**Driller:**	Dale Gramza
		Drill Rig:	Mabil B57
		Casing:	4 1/4" HSAs

Notes: (provide description of observation well location, method of construction, development method and any other information)



NA **Top Protective Casing**

2' **Top of Riser**

0'-0" **Ground Surface**

Surface Backfill Material
- [ ] Soil Cuttings
- [ ] Bentonite Slurry
- [ ] Cement/Bentonite Grout
- [ ] Concrete

~8" **Bore Hole Diameter**

2" **Well Diameter**

Well Material
- [x] PVC
- [ ] Stainless Steel

Backfill Material
- [ ] Soil Cuttings
- [ ] Bentonite Slurry
- [ ] Cement/Bentonite Grout
- [ ] Concrete

Depth To:

Grd surf **Top of Seal**

Seal Material
- [x] Bentonite Chips/Pellets
- [ ] Bentonite Slurry
- [ ] Cement/Bentonite Grout

5 **Top of Filter Pack**

7.5' **Top of Screen**

Screen Slot Size
- [x] 010 in
- [ ] 015 in
- [ ] 020 in
- [ ] 025 in

Filter Material
- [ ] 00 Sand Pack
- [x] 0 Sand Pack
- [ ] 1 Sand Pack
- [ ] 2 Sand Pack
- [ ] 3 Sand Pack
- [ ] 4 Sand Pack

12.5' **Bottom of Screen**

13' **Bottom of Bore Hole**

FINAL

Groundwater Measurement Data

Date	Time	Depth to Water	Water Elevation	Tide Status

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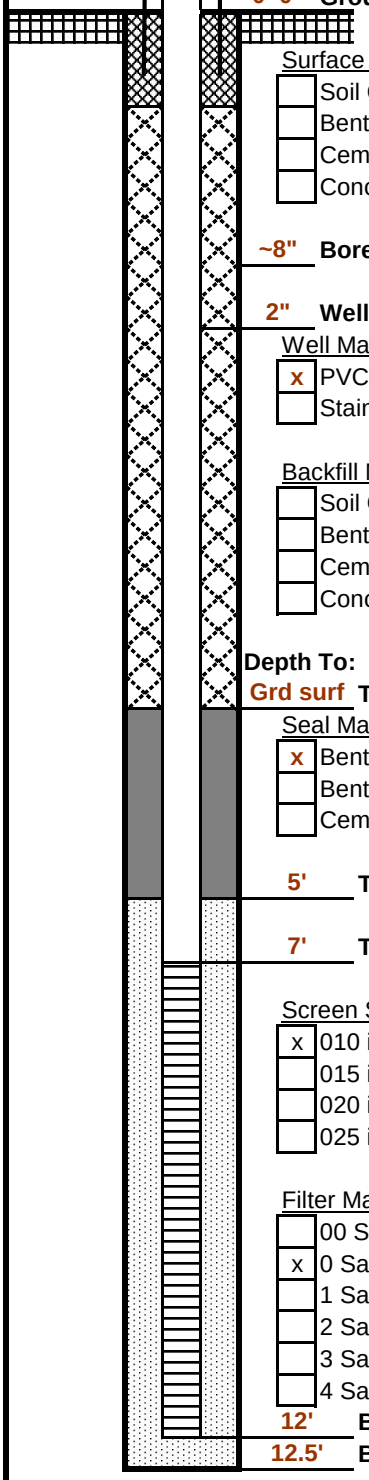
Syracuse, New York 13212
Phone: 315-455-2000
Fax: 315-455-9667
www.cscos.com

GROUNDWATER OBSERVATION WELL CONSTRUCTION LOG

Well No.	**GW-2**
Project No.:	
Surface Elev.:	
Datum:	GROUND SURFACE
Start Date:	
Finish Date:	
Inspector:	SRH

Project Name:	Dona Street		
Location:	Lackawanna, NY		
Client:			
Drilling Firm:	Nature's Way	**Driller:**	Dale Gramza
		Drill Rig:	Mabil B57
		Casing:	4 1/4" HSAs

Notes: (provide description of observation well location, method of construction, development method and any other information)



NA **Top Protective Casing**

2' **Top of Riser**

0'-0" **Ground Surface**

Surface Backfill Material
- [ ] Soil Cuttings
- [ ] Bentonite Slurry
- [ ] Cement/Bentonite Grout
- [ ] Concrete

~8" **Bore Hole Diameter**

2" **Well Diameter**

Well Material
- [x] PVC
- [ ] Stainless Steel

Backfill Material
- [ ] Soil Cuttings
- [ ] Bentonite Slurry
- [ ] Cement/Bentonite Grout
- [ ] Concrete

Depth To:

Grd surf **Top of Seal**

Seal Material
- [x] Bentonite Chips/Pellets
- [ ] Bentonite Slurry
- [ ] Cement/Bentonite Grout

5' **Top of Filter Pack**

7' **Top of Screen**

Screen Slot Size
- [x] 010 in
- [ ] 015 in
- [ ] 020 in
- [ ] 025 in

Filter Material
- [ ] 00 Sand Pack
- [x] 0 Sand Pack
- [ ] 1 Sand Pack
- [ ] 2 Sand Pack
- [ ] 3 Sand Pack
- [ ] 4 Sand Pack

12' **Bottom of Screen**

12.5' **Bottom of Bore Hole**

Groundwater Measurement Data

Date	Time	Depth to Water	Water Elevation	Tide Status

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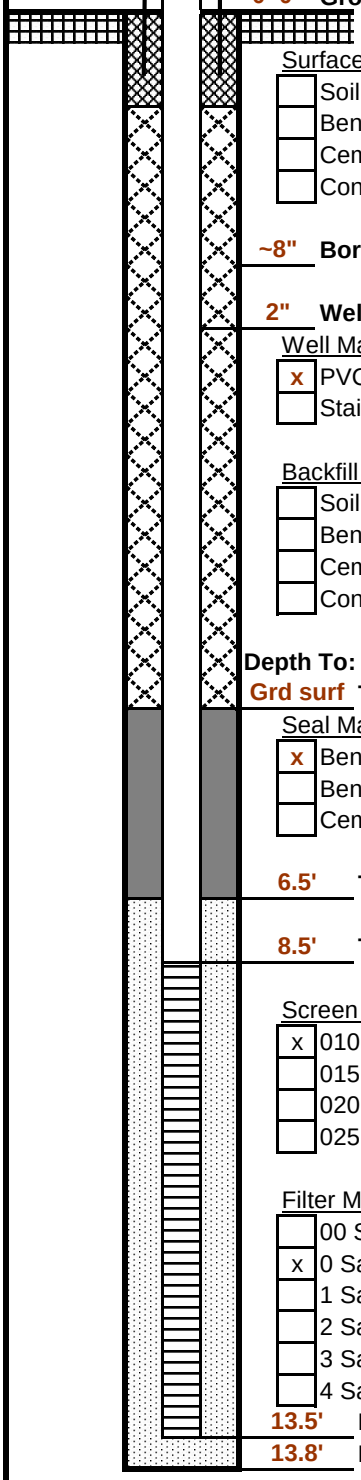
www.cscos.com

GROUNDWATER OBSERVATION WELL CONSTRUCTION LOG

Well No.	**GW-3**
Project No.:	
Surface Elev.:	
Datum:	GROUND SURFACE
Start Date:	
Finish Date:	
Inspector:	SRH

Project Name:	Dona Street		
Location:	Lackawanna, NY		
Client:			
Drilling Firm:	Nature's Way	**Driller:**	Dale Gramza
		Drill Rig:	Mabil B57
		Casing:	4 1/4" HSAs

Notes: (provide description of observation well location, method of construction, development method and any other information)



NA **Top Protective Casing**

2' **Top of Riser**

0'-0" **Ground Surface**

Surface Backfill Material
- [ ] Soil Cuttings
- [ ] Bentonite Slurry
- [ ] Cement/Bentonite Grout
- [ ] Concrete

~8" **Bore Hole Diameter**

2" **Well Diameter**

Well Material
- [x] PVC
- [ ] Stainless Steel

Backfill Material
- [ ] Soil Cuttings
- [ ] Bentonite Slurry
- [ ] Cement/Bentonite Grout
- [ ] Concrete

Depth To:

Grd surf **Top of Seal**

Seal Material
- [x] Bentonite Chips/Pellets
- [ ] Bentonite Slurry
- [ ] Cement/Bentonite Grout

6.5' **Top of Filter Pack**

8.5' **Top of Screen**

Screen Slot Size
- [x] 010 in
- [ ] 015 in
- [ ] 020 in
- [ ] 025 in

Filter Material
- [ ] 00 Sand Pack
- [x] 0 Sand Pack
- [ ] 1 Sand Pack
- [ ] 2 Sand Pack
- [ ] 3 Sand Pack
- [ ] 4 Sand Pack

13.5' **Bottom of Screen**

13.8' **Bottom of Bore Hole**

FINAL

Groundwater Measurement Data

Date	Time	Depth to Water	Water Elevation	Tide Status

C&S Engineers, Inc.
499 Col. Eileen Collins Blvd.
Syracuse, New York 13212
Phone: 315-455-2000
Fax: 315-455-9667
www.cscos.com

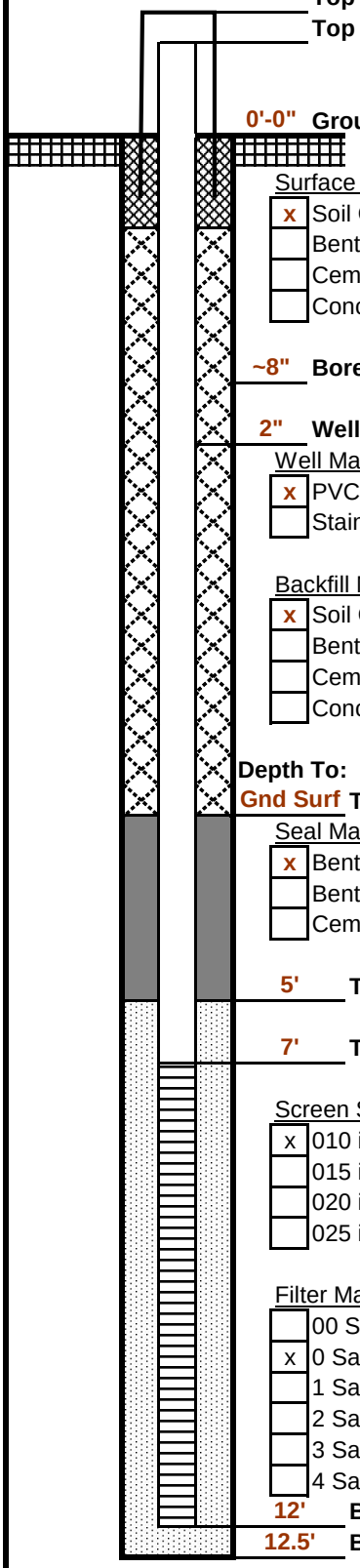
GROUNDWATER OBSERVATION WELL CONSTRUCTION LOG

Well No.	**GW-4**
Project No.:	
Surface Elev.:	
Datum:	GROUND SURFACE
Start Date:	
Finish Date:	
Inspector:	SRH

Project Name:	Dona Street		
Location:	Lackawanna, NY		
Client:			
Drilling Firm:	Nature's Way	**Driller:**	Dale Gramza
Drill Rig:	Mabil B57	**Casing:**	4 1/4" HSAs

Notes: (provide description of observation well location, method of construction, development method and any other information)

Grouted to ground surface



Top Protective Casing
Top of Riser

0'-0" **Ground Surface**

Surface Backfill Material
- [x] Soil Cuttings
- [ ] Bentonite Slurry
- [ ] Cement/Bentonite Grout
- [ ] Concrete

~8" **Bore Hole Diameter**

2" **Well Diameter**

Well Material
- [x] PVC
- [ ] Stainless Steel

Backfill Material
- [x] Soil Cuttings
- [ ] Bentonite Slurry
- [ ] Cement/Bentonite Grout
- [ ] Concrete

Depth To:
Gnd Surf **Top of Seal**

Seal Material
- [x] Bentonite Chips/Pellets
- [ ] Bentonite Slurry
- [ ] Cement/Bentonite Grout

5' **Top of Filter Pack**

7' **Top of Screen**

Screen Slot Size
- [x] 010 in
- [ ] 015 in
- [ ] 020 in
- [ ] 025 in

Filter Material
- [ ] 00 Sand Pack
- [x] 0 Sand Pack
- [ ] 1 Sand Pack
- [ ] 2 Sand Pack
- [ ] 3 Sand Pack
- [ ] 4 Sand Pack

12' **Bottom of Screen**

12.5' **Bottom of Bore Hole**

Groundwater Measurement Data

Date	Time	Depth to Water	Water Elevation	Tide Status

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Syracuse, New York 13212
Phone: 315-455-2000
Fax: 315-455-9667
www.cscos.com

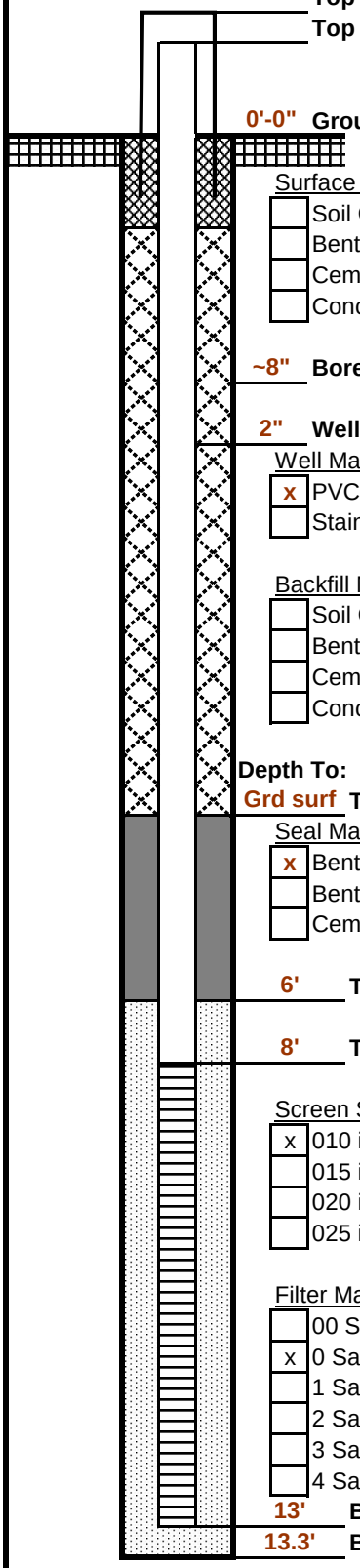
GROUNDWATER OBSERVATION WELL CONSTRUCTION LOG

Well No.	**GW-5**
Project No.:	
Surface Elev.:	
Datum:	GROUND SURFACE
Start Date:	
Finish Date:	
Inspector:	SRH

Project Name:	Dona Street		
Location:	Lackawanna, NY		
Client:			
Drilling Firm:	Nature's Way	**Driller:**	Dale Gramza
Drill Rig:	Mabil B57	**Casing:**	4 1/4" HSAs

Notes: (provide description of observation well location, method of construction, development method and any other information)

Grouted to ground surface



Top Protective Casing
Top of Riser

0'-0" Ground Surface

Surface Backfill Material
- [ ] Soil Cuttings
- [ ] Bentonite Slurry
- [ ] Cement/Bentonite Grout
- [ ] Concrete

~8" Bore Hole Diameter

2" Well Diameter

Well Material
- [x] PVC
- [ ] Stainless Steel

Backfill Material
- [ ] Soil Cuttings
- [ ] Bentonite Slurry
- [ ] Cement/Bentonite Grout
- [ ] Concrete

Depth To:
Grd surf Top of Seal

Seal Material
- [x] Bentonite Chips/Pellets
- [ ] Bentonite Slurry
- [ ] Cement/Bentonite Grout

6' Top of Filter Pack

8' Top of Screen

Screen Slot Size
- [x] 010 in
- [ ] 015 in
- [ ] 020 in
- [ ] 025 in

Filter Material
- [ ] 00 Sand Pack
- [x] 0 Sand Pack
- [ ] 1 Sand Pack
- [ ] 2 Sand Pack
- [ ] 3 Sand Pack
- [ ] 4 Sand Pack

13' Bottom of Screen

13.3' Bottom of Bore Hole

Groundwater Measurement Data

Date	Time	Depth to Water	Water Elevation	Tide Status

APPENDIX D

Laboratory Analysis Report - Surface Soil

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 165593

Client: **C&S Companies**

Project Reference: 100 Dona Street

Sample Identifier:	SS-1		
Lab Sample ID:	165593-01	**Date Sampled:**	12/28/2016
Matrix:	Soil	**Date Received:**	12/30/2016

Metals

Analyte	Result	Units	Qualifier	Date Analyzed
Arsenic	**8.96**	mg/Kg		1/4/2017 16:01
Barium	**60.5**	mg/Kg		1/4/2017 16:01
Beryllium	**0.566**	mg/Kg		1/4/2017 16:01
Cadmium	**1.34**	mg/Kg		1/4/2017 16:01
Chromium	**31.2**	mg/Kg		1/4/2017 16:01
Copper	**32.0**	mg/Kg		1/4/2017 16:01
Lead	**108**	mg/Kg		1/4/2017 16:01
Manganese	**1190**	mg/Kg		1/4/2017 17:43
Nickel	**20.2**	mg/Kg		1/4/2017 16:01
Selenium	**1.60**	mg/Kg		1/4/2017 16:01
Silver	< 0.615	mg/Kg		1/4/2017 16:01
Zinc	**303**	mg/Kg		1/4/2017 16:01

Method Reference(s): EPA 6010C
EPA 3050B
Preparation Date: 1/3/2017
Data File: 010317b

Report Prepared Monday, January 09, 2017

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 165593

Client: **C&S Companies**

Project Reference: 100 Dona Street

Sample Identifier:	SS-1		
Lab Sample ID:	165593-01	**Date Sampled:**	12/28/2016
Matrix:	Soil	**Date Received:**	12/30/2016

Mercury

Analyte	Result	Units	Qualifier	Date Analyzed
Mercury	**0.0687**	mg/Kg	D	1/3/2017 16:05

Method Reference(s): EPA 7471B
Preparation Date: 1/3/2017
Data File: Hg170103A

FINAL

Report Prepared Monday, January 09, 2017

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 165593

Client: **C&S Companies**

Project Reference: 100 Dona Street

Sample Identifier:	SS-1		
Lab Sample ID:	165593-01	**Date Sampled:**	12/28/2016
Matrix:	Soil	**Date Received:**	12/30/2016

PCBs

Analyte	Result	Units	Qualifier	Date Analyzed
PCB-1016	< 0.0389	mg/Kg		1/5/2017 13:12
PCB-1221	< 0.0389	mg/Kg		1/5/2017 13:12
PCB-1232	< 0.0389	mg/Kg		1/5/2017 13:12
PCB-1242	< 0.0389	mg/Kg		1/5/2017 13:12
PCB-1248	< 0.0389	mg/Kg		1/5/2017 13:12
PCB-1254	< 0.0389	mg/Kg		1/5/2017 13:12
PCB-1260	< 0.0389	mg/Kg		1/5/2017 13:12
PCB-1262	< 0.0389	mg/Kg		1/5/2017 13:12
PCB-1268	< 0.0389	mg/Kg		1/5/2017 13:12

Surrogate	Percent Recovery	Limits	Outliers	Date Analyzed
Decachlorobiphenyl	**56.0**	10 - 144		1/5/2017 13:12
Tetrachloro-m-xylene	**35.8**	10 - 140		1/5/2017 13:12

Method Reference(s): EPA 8082A
EPA 3550C

Preparation Date: 1/4/2017

Report Prepared Monday, January 09, 2017

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 165593

Client: **C&S Companies**

Project Reference: 100 Dona Street

Sample Identifier: SS-1
Lab Sample ID: 165593-01 **Date Sampled:** 12/28/2016
Matrix: Soil **Date Received:** 12/30/2016

Semi-Volatile Organics (Acid/Base Neutrals)

Analyte	Result	Units	Qualifier	Date Analyzed
1,1-Biphenyl	< 382	ug/Kg		1/4/2017 20:29
1,2,4,5-Tetrachlorobenzene	< 382	ug/Kg		1/4/2017 20:29
1,2,4-Trichlorobenzene	< 382	ug/Kg	M	1/4/2017 20:29
1,2-Dichlorobenzene	< 382	ug/Kg		1/4/2017 20:29
1,3-Dichlorobenzene	< 382	ug/Kg		1/4/2017 20:29
1,4-Dichlorobenzene	< 382	ug/Kg	M	1/4/2017 20:29
2,2-Oxybis (1-chloropropane)	< 382	ug/Kg		1/4/2017 20:29
2,3,4,6-Tetrachlorophenol	< 382	ug/Kg	M	1/4/2017 20:29
2,4,5-Trichlorophenol	< 764	ug/Kg		1/4/2017 20:29
2,4,6-Trichlorophenol	< 382	ug/Kg	M	1/4/2017 20:29
2,4-Dichlorophenol	< 382	ug/Kg	M	1/4/2017 20:29
2,4-Dimethylphenol	< 382	ug/Kg	M	1/4/2017 20:29
2,4-Dinitrophenol	< 764	ug/Kg	M	1/4/2017 20:29
2,4-Dinitrotoluene	< 382	ug/Kg	M	1/4/2017 20:29
2,6-Dinitrotoluene	< 382	ug/Kg		1/4/2017 20:29
2-Chloronaphthalene	< 382	ug/Kg		1/4/2017 20:29
2-Chlorophenol	< 382	ug/Kg	M	1/4/2017 20:29
2-Methylnapthalene	< 382	ug/Kg		1/4/2017 20:29
2-Methylphenol	< 382	ug/Kg		1/4/2017 20:29
2-Nitroaniline	< 764	ug/Kg		1/4/2017 20:29
2-Nitrophenol	< 382	ug/Kg	M	1/4/2017 20:29
3&4-Methylphenol	< 382	ug/Kg		1/4/2017 20:29
3,3'-Dichlorobenzidine	< 382	ug/Kg		1/4/2017 20:29
3-Nitroaniline	< 764	ug/Kg		1/4/2017 20:29
4,6-Dinitro-2-methylphenol	< 764	ug/Kg	M	1/4/2017 20:29
4-Bromophenyl phenyl ether	< 382	ug/Kg		1/4/2017 20:29
4-Chloro-3-methylphenol	< 382	ug/Kg	M	1/4/2017 20:29

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 165593

Client: **C&S Companies**

Project Reference: 100 Dona Street

Sample Identifier: SS-1
Lab Sample ID: 165593-01 **Date Sampled:** 12/28/2016
Matrix: Soil **Date Received:** 12/30/2016

4-Chloroaniline	< 382	ug/Kg		1/4/2017	20:29
4-Chlorophenyl phenyl ether	< 382	ug/Kg		1/4/2017	20:29
4-Nitroaniline	< 764	ug/Kg		1/4/2017	20:29
4-Nitrophenol	< 764	ug/Kg	M	1/4/2017	20:29
Acenaphthene	**264**	ug/Kg	JM	1/4/2017	20:29
Acenaphthylene	< 382	ug/Kg		1/4/2017	20:29
Acetophenone	< 382	ug/Kg		1/4/2017	20:29
Anthracene	**847**	ug/Kg		1/4/2017	20:29
Atrazine	< 382	ug/Kg		1/4/2017	20:29
Benzaldehyde	< 382	ug/Kg		1/4/2017	20:29
Benzo (a) anthracene	**1990**	ug/Kg		1/4/2017	20:29
Benzo (a) pyrene	**1700**	ug/Kg		1/4/2017	20:29
Benzo (b) fluoranthene	**1480**	ug/Kg		1/4/2017	20:29
Benzo (g,h,i) perylene	**1040**	ug/Kg		1/4/2017	20:29
Benzo (k) fluoranthene	**1410**	ug/Kg		1/4/2017	20:29
Bis (2-chloroethoxy) methane	< 382	ug/Kg		1/4/2017	20:29
Bis (2-chloroethyl) ether	< 382	ug/Kg		1/4/2017	20:29
Bis (2-ethylhexyl) phthalate	< 382	ug/Kg		1/4/2017	20:29
Butylbenzylphthalate	< 382	ug/Kg		1/4/2017	20:29
Caprolactam	< 382	ug/Kg		1/4/2017	20:29
Carbazole	**526**	ug/Kg		1/4/2017	20:29
Chrysene	**2030**	ug/Kg		1/4/2017	20:29
Dibenz (a,h) anthracene	**427**	ug/Kg		1/4/2017	20:29
Dibenzofuran	< 382	ug/Kg		1/4/2017	20:29
Diethyl phthalate	< 382	ug/Kg		1/4/2017	20:29
Dimethyl phthalate	< 764	ug/Kg		1/4/2017	20:29
Di-n-butyl phthalate	< 382	ug/Kg		1/4/2017	20:29
Di-n-octylphthalate	< 382	ug/Kg		1/4/2017	20:29
Fluoranthene	**5170**	ug/Kg		1/4/2017	20:29
Fluorene	**326**	ug/Kg	J	1/4/2017	20:29

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 165593

Client: **C&S Companies**

Project Reference: 100 Dona Street

Sample Identifier: SS-1
Lab Sample ID: 165593-01 **Date Sampled:** 12/28/2016
Matrix: Soil **Date Received:** 12/30/2016

Hexachlorobenzene	< 382	ug/Kg		1/4/2017	20:29
Hexachlorobutadiene	< 382	ug/Kg		1/4/2017	20:29
Hexachlorocyclopentadiene	< 382	ug/Kg		1/4/2017	20:29
Hexachloroethane	< 382	ug/Kg		1/4/2017	20:29
Indeno (1,2,3-cd) pyrene	**751**	ug/Kg		1/4/2017	20:29
Isophorone	< 382	ug/Kg		1/4/2017	20:29
Naphthalene	< 382	ug/Kg		1/4/2017	20:29
Nitrobenzene	< 382	ug/Kg		1/4/2017	20:29
N-Nitroso-di-n-propylamine	< 382	ug/Kg	M	1/4/2017	20:29
N-Nitrosodiphenylamine	< 382	ug/Kg		1/4/2017	20:29
Pentachlorophenol	< 764	ug/Kg	M	1/4/2017	20:29
Phenanthrene	**3730**	ug/Kg		1/4/2017	20:29
Phenol	< 382	ug/Kg	M	1/4/2017	20:29
Pyrene	**3990**	ug/Kg	M	1/4/2017	20:29

Surrogate	Percent Recovery	Limits	Outliers	Date Analyzed	
2,4,6-Tribromophenol	**36.8**	38 - 114	*	1/4/2017	20:29
2-Fluorobiphenyl	**22.7**	25 - 105	*	1/4/2017	20:29
2-Fluorophenol	**24.6**	30.8 - 84	*	1/4/2017	20:29
Nitrobenzene-d5	**22.9**	28.5 - 84.9	*	1/4/2017	20:29
Phenol-d5	**26.9**	32.5 - 89.6	*	1/4/2017	20:29
Terphenyl-d14	**33.4**	55.5 - 117	*	1/4/2017	20:29

Method Reference(s): EPA 8270D
EPA 3550C
Preparation Date: 1/4/2017
Data File: B16332.D

Report Prepared Monday, January 09, 2017

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 165593

Client: **C&S Companies**

Project Reference: 100 Dona Street

Sample Identifier:	SS-1		
Lab Sample ID:	165593-01	**Date Sampled:**	12/28/2016
Matrix:	Soil	**Date Received:**	12/30/2016

Volatile Organics

Analyte	Result	Units	Qualifier	Date Analyzed
1,1,1-Trichloroethane	< 5.11	ug/Kg		1/4/2017 22:18
1,1,2,2-Tetrachloroethane	< 5.11	ug/Kg		1/4/2017 22:18
1,1,2-Trichloroethane	< 5.11	ug/Kg		1/4/2017 22:18
1,1-Dichloroethane	< 5.11	ug/Kg		1/4/2017 22:18
1,1-Dichloroethene	< 5.11	ug/Kg		1/4/2017 22:18
1,2,3-Trichlorobenzene	< 12.8	ug/Kg		1/4/2017 22:18
1,2,4-Trichlorobenzene	< 12.8	ug/Kg		1/4/2017 22:18
1,2,4-Trimethylbenzene	< 5.11	ug/Kg		1/4/2017 22:18
1,2-Dibromo-3-Chloropropane	< 25.5	ug/Kg		1/4/2017 22:18
1,2-Dibromoethane	< 5.11	ug/Kg		1/4/2017 22:18
1,2-Dichlorobenzene	< 5.11	ug/Kg	M	1/4/2017 22:18
1,2-Dichloroethane	< 5.11	ug/Kg	M	1/4/2017 22:18
1,2-Dichloropropane	< 5.11	ug/Kg		1/4/2017 22:18
1,3,5-Trimethylbenzene	< 5.11	ug/Kg		1/4/2017 22:18
1,3-Dichlorobenzene	< 5.11	ug/Kg	M	1/4/2017 22:18
1,4-Dichlorobenzene	< 5.11	ug/Kg	M	1/4/2017 22:18
1,4-dioxane	< 51.1	ug/Kg		1/4/2017 22:18
2-Butanone	< 25.5	ug/Kg		1/4/2017 22:18
2-Hexanone	< 12.8	ug/Kg		1/4/2017 22:18
4-Methyl-2-pentanone	< 12.8	ug/Kg		1/4/2017 22:18
Acetone	< 25.5	ug/Kg		1/4/2017 22:18
Benzene	< 5.11	ug/Kg		1/4/2017 22:18
Bromochloromethane	< 12.8	ug/Kg		1/4/2017 22:18
Bromodichloromethane	< 5.11	ug/Kg		1/4/2017 22:18
Bromoform	< 12.8	ug/Kg	M	1/4/2017 22:18
Bromomethane	< 5.11	ug/Kg	M	1/4/2017 22:18
Carbon disulfide	< 5.11	ug/Kg		1/4/2017 22:18

Report Prepared Monday, January 09, 2017

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 165593

Client: **C&S Companies**

Project Reference: 100 Dona Street

Sample Identifier: SS-1
Lab Sample ID: 165593-01 **Date Sampled:** 12/28/2016
Matrix: Soil **Date Received:** 12/30/2016

Carbon Tetrachloride	< 5.11	ug/Kg		1/4/2017	22:18
Chlorobenzene	< 5.11	ug/Kg	M	1/4/2017	22:18
Chloroethane	< 5.11	ug/Kg		1/4/2017	22:18
Chloroform	< 5.11	ug/Kg		1/4/2017	22:18
Chloromethane	< 5.11	ug/Kg		1/4/2017	22:18
cis-1,2-Dichloroethene	< 5.11	ug/Kg		1/4/2017	22:18
cis-1,3-Dichloropropene	< 5.11	ug/Kg	M	1/4/2017	22:18
Cyclohexane	< 25.5	ug/Kg		1/4/2017	22:18
Dibromochloromethane	< 5.11	ug/Kg		1/4/2017	22:18
Dichlorodifluoromethane	< 5.11	ug/Kg		1/4/2017	22:18
Ethylbenzene	< 5.11	ug/Kg		1/4/2017	22:18
Freon 113	< 5.11	ug/Kg		1/4/2017	22:18
Isopropylbenzene	< 5.11	ug/Kg		1/4/2017	22:18
m,p-Xylene	< 5.11	ug/Kg		1/4/2017	22:18
Methyl acetate	< 5.11	ug/Kg		1/4/2017	22:18
Methyl tert-butyl Ether	< 5.11	ug/Kg		1/4/2017	22:18
Methylcyclohexane	< 5.11	ug/Kg		1/4/2017	22:18
Methylene chloride	< 12.8	ug/Kg		1/4/2017	22:18
Naphthalene	< 12.8	ug/Kg		1/4/2017	22:18
n-Butylbenzene	< 5.11	ug/Kg		1/4/2017	22:18
n-Propylbenzene	< 5.11	ug/Kg		1/4/2017	22:18
o-Xylene	< 5.11	ug/Kg		1/4/2017	22:18
p-Isopropyltoluene	< 5.11	ug/Kg		1/4/2017	22:18
sec-Butylbenzene	< 5.11	ug/Kg		1/4/2017	22:18
Styrene	< 12.8	ug/Kg		1/4/2017	22:18
tert-Butylbenzene	< 5.11	ug/Kg		1/4/2017	22:18
Tetrachloroethene	< 5.11	ug/Kg		1/4/2017	22:18
Toluene	< 5.11	ug/Kg		1/4/2017	22:18
trans-1,2-Dichloroethene	< 5.11	ug/Kg		1/4/2017	22:18
trans-1,3-Dichloropropene	< 5.11	ug/Kg	M	1/4/2017	22:18

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 165593

Client: **C&S Companies**

Project Reference: 100 Dona Street

Sample Identifier: SS-1
Lab Sample ID: 165593-01 **Date Sampled:** 12/28/2016
Matrix: Soil **Date Received:** 12/30/2016

Trichloroethene	< 5.11	ug/Kg		M	1/4/2017 22:18
Trichlorofluoromethane	< 5.11	ug/Kg			1/4/2017 22:18
Vinyl chloride	< 5.11	ug/Kg			1/4/2017 22:18

Surrogate	Percent Recovery	Limits	Outliers	Date Analyzed
1,2-Dichloroethane-d4	**106**	82 - 124		1/4/2017 22:18
4-Bromofluorobenzene	**81.8**	80.5 - 116		1/4/2017 22:18
Pentafluorobenzene	**95.4**	88.7 - 112		1/4/2017 22:18
Toluene-D8	**94.9**	79.1 - 120		1/4/2017 22:18

Internal standard outliers indicate probable matrix interference

Method Reference(s): EPA 8260C
EPA 5035A - L

Data File: x38292.D

This sample was not collected following SW846 5035A specifications. Accordingly, any Volatiles soil results that are less than 200 ug/Kg, including Non Detects, may be biased low, per ELAP method 5035 guidance document from 11/15/2012.

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 165593

Client: **C&S Companies**

Project Reference: 100 Dona Street

Sample Identifier:	SS-2		
Lab Sample ID:	165593-02	**Date Sampled:**	12/28/2016
Matrix:	Soil	**Date Received:**	12/30/2016

Metals

Analyte	Result	Units	Qualifier	Date Analyzed
Arsenic	**7.51**	mg/Kg		1/4/2017 16:30
Barium	**49.9**	mg/Kg		1/4/2017 16:30
Beryllium	**0.632**	mg/Kg		1/4/2017 16:30
Cadmium	**1.41**	mg/Kg		1/4/2017 16:30
Chromium	**28.3**	mg/Kg		1/4/2017 16:30
Copper	**26.3**	mg/Kg		1/4/2017 16:30
Lead	**121**	mg/Kg		1/4/2017 16:30
Manganese	**936**	mg/Kg		1/4/2017 18:04
Nickel	**16.0**	mg/Kg		1/4/2017 16:30
Selenium	< 0.650	mg/Kg		1/3/2017 18:30
Silver	< 0.650	mg/Kg		1/4/2017 16:30
Zinc	**283**	mg/Kg		1/4/2017 16:30

Method Reference(s): EPA 6010C
EPA 3050B
Preparation Date: 1/3/2017
Data File: 010317b

Report Prepared Monday, January 09, 2017

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 165593

Client: **C&S Companies**

Project Reference: 100 Dona Street

Sample Identifier:	SS-2		
Lab Sample ID:	165593-02	**Date Sampled:**	12/28/2016
Matrix:	Soil	**Date Received:**	12/30/2016

Mercury

Analyte	Result	Units	Qualifier	Date Analyzed
Mercury	**0.0732**	mg/Kg		1/3/2017 16:16

Method Reference(s): EPA 7471B
Preparation Date: 1/3/2017
Data File: Hg170103A

FINAL

This report is part of a multipage document and should only be evaluated in its entirety. The Chain of Custody provides additional sample information, including compliance with the sample condition requirements upon receipt.

Report Prepared Monday, January 09, 2017

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 165593

Client: **C&S Companies**

Project Reference: 100 Dona Street

Sample Identifier:	SS-2		
Lab Sample ID:	165593-02	**Date Sampled:**	12/28/2016
Matrix:	Soil	**Date Received:**	12/30/2016

PCBs

Analyte	Result	Units	Qualifier	Date Analyzed
PCB-1016	< 0.0375	mg/Kg		1/5/2017 14:19
PCB-1221	< 0.0375	mg/Kg		1/5/2017 14:19
PCB-1232	< 0.0375	mg/Kg		1/5/2017 14:19
PCB-1242	< 0.0375	mg/Kg		1/5/2017 14:19
PCB-1248	< 0.0375	mg/Kg		1/5/2017 14:19
PCB-1254	< 0.0375	mg/Kg		1/5/2017 14:19
PCB-1260	**0.0208**	mg/Kg	J	1/5/2017 14:19
PCB-1262	< 0.0375	mg/Kg		1/5/2017 14:19
PCB-1268	< 0.0375	mg/Kg		1/5/2017 14:19

Surrogate	Percent Recovery	Limits	Outliers	Date Analyzed
Decachlorobiphenyl	**74.5**	10 - 144		1/5/2017 14:19
Tetrachloro-m-xylene	**49.5**	10 - 140		1/5/2017 14:19

Method Reference(s): EPA 8082A
EPA 3550C

Preparation Date: 1/4/2017

Report Prepared Monday, January 09, 2017

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 165593

Client: **C&S Companies**

Project Reference: 100 Dona Street

Sample Identifier: SS-2
Lab Sample ID: 165593-02 **Date Sampled:** 12/28/2016
Matrix: Soil **Date Received:** 12/30/2016

Semi-Volatile Organics (Acid/Base Neutrals)

Analyte	Result	Units	Qualifier	Date Analyzed
1,1-Biphenyl	< 377	ug/Kg		1/4/2017 21:58
1,2,4,5-Tetrachlorobenzene	< 377	ug/Kg		1/4/2017 21:58
1,2,4-Trichlorobenzene	< 377	ug/Kg	M	1/4/2017 21:58
1,2-Dichlorobenzene	< 377	ug/Kg		1/4/2017 21:58
1,3-Dichlorobenzene	< 377	ug/Kg		1/4/2017 21:58
1,4-Dichlorobenzene	< 377	ug/Kg	M	1/4/2017 21:58
2,2-Oxybis (1-chloropropane)	< 377	ug/Kg		1/4/2017 21:58
2,3,4,6-Tetrachlorophenol	< 377	ug/Kg		1/4/2017 21:58
2,4,5-Trichlorophenol	< 754	ug/Kg		1/4/2017 21:58
2,4,6-Trichlorophenol	< 377	ug/Kg		1/4/2017 21:58
2,4-Dichlorophenol	< 377	ug/Kg		1/4/2017 21:58
2,4-Dimethylphenol	< 377	ug/Kg		1/4/2017 21:58
2,4-Dinitrophenol	< 754	ug/Kg		1/4/2017 21:58
2,4-Dinitrotoluene	< 377	ug/Kg		1/4/2017 21:58
2,6-Dinitrotoluene	< 377	ug/Kg		1/4/2017 21:58
2-Chloronaphthalene	< 377	ug/Kg		1/4/2017 21:58
2-Chlorophenol	< 377	ug/Kg		1/4/2017 21:58
2-Methylnapthalene	< 377	ug/Kg		1/4/2017 21:58
2-Methylphenol	< 377	ug/Kg		1/4/2017 21:58
2-Nitroaniline	< 754	ug/Kg		1/4/2017 21:58
2-Nitrophenol	< 377	ug/Kg		1/4/2017 21:58
3&4-Methylphenol	< 377	ug/Kg		1/4/2017 21:58
3,3'-Dichlorobenzidine	< 377	ug/Kg		1/4/2017 21:58
3-Nitroaniline	< 754	ug/Kg		1/4/2017 21:58
4,6-Dinitro-2-methylphenol	< 754	ug/Kg		1/4/2017 21:58
4-Bromophenyl phenyl ether	< 377	ug/Kg		1/4/2017 21:58
4-Chloro-3-methylphenol	< 377	ug/Kg		1/4/2017 21:58

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 165593

Client: **C&S Companies**

Project Reference: 100 Dona Street

Sample Identifier: SS-2
Lab Sample ID: 165593-02 **Date Sampled:** 12/28/2016
Matrix: Soil **Date Received:** 12/30/2016

4-Chloroaniline	< 377	ug/Kg		1/4/2017	21:58
4-Chlorophenyl phenyl ether	< 377	ug/Kg		1/4/2017	21:58
4-Nitroaniline	< 754	ug/Kg		1/4/2017	21:58
4-Nitrophenol	< 754	ug/Kg		1/4/2017	21:58
Acenaphthene	< 377	ug/Kg		1/4/2017	21:58
Acenaphthylene	< 377	ug/Kg		1/4/2017	21:58
Acetophenone	< 377	ug/Kg		1/4/2017	21:58
Anthracene	**293**	ug/Kg	J	1/4/2017	21:58
Atrazine	< 377	ug/Kg		1/4/2017	21:58
Benzaldehyde	< 377	ug/Kg		1/4/2017	21:58
Benzo (a) anthracene	**1480**	ug/Kg		1/4/2017	21:58
Benzo (a) pyrene	**1300**	ug/Kg		1/4/2017	21:58
Benzo (b) fluoranthene	**1470**	ug/Kg		1/4/2017	21:58
Benzo (g,h,i) perylene	**779**	ug/Kg		1/4/2017	21:58
Benzo (k) fluoranthene	**1170**	ug/Kg		1/4/2017	21:58
Bis (2-chloroethoxy) methane	< 377	ug/Kg		1/4/2017	21:58
Bis (2-chloroethyl) ether	< 377	ug/Kg		1/4/2017	21:58
Bis (2-ethylhexyl) phthalate	< 377	ug/Kg		1/4/2017	21:58
Butylbenzylphthalate	< 377	ug/Kg		1/4/2017	21:58
Caprolactam	< 377	ug/Kg		1/4/2017	21:58
Carbazole	**249**	ug/Kg	J	1/4/2017	21:58
Chrysene	**1760**	ug/Kg		1/4/2017	21:58
Dibenz (a,h) anthracene	**418**	ug/Kg		1/4/2017	21:58
Dibenzofuran	< 377	ug/Kg		1/4/2017	21:58
Diethyl phthalate	< 377	ug/Kg		1/4/2017	21:58
Dimethyl phthalate	< 754	ug/Kg		1/4/2017	21:58
Di-n-butyl phthalate	< 377	ug/Kg		1/4/2017	21:58
Di-n-octylphthalate	< 377	ug/Kg		1/4/2017	21:58
Fluoranthene	**3450**	ug/Kg		1/4/2017	21:58
Fluorene	< 377	ug/Kg		1/4/2017	21:58

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 165593

Client: **C&S Companies**

Project Reference: 100 Dona Street

Sample Identifier: SS-2
Lab Sample ID: 165593-02 **Date Sampled:** 12/28/2016
Matrix: Soil **Date Received:** 12/30/2016

Hexachlorobenzene	< 377	ug/Kg			1/4/2017 21:58
Hexachlorobutadiene	< 377	ug/Kg			1/4/2017 21:58
Hexachlorocyclopentadiene	< 377	ug/Kg			1/4/2017 21:58
Hexachloroethane	< 377	ug/Kg			1/4/2017 21:58
Indeno (1,2,3-cd) pyrene	**628**	ug/Kg			1/4/2017 21:58
Isophorone	< 377	ug/Kg			1/4/2017 21:58
Naphthalene	< 377	ug/Kg			1/4/2017 21:58
Nitrobenzene	< 377	ug/Kg			1/4/2017 21:58
N-Nitroso-di-n-propylamine	< 377	ug/Kg			1/4/2017 21:58
N-Nitrosodiphenylamine	< 377	ug/Kg			1/4/2017 21:58
Pentachlorophenol	< 754	ug/Kg			1/4/2017 21:58
Phenanthrene	**1460**	ug/Kg			1/4/2017 21:58
Phenol	< 377	ug/Kg			1/4/2017 21:58
Pyrene	**2420**	ug/Kg			1/4/2017 21:58

Surrogate	Percent Recovery	Limits	Outliers	Date Analyzed
2,4,6-Tribromophenol	**53.7**	38 - 114		1/4/2017 21:58
2-Fluorobiphenyl	**38.9**	25 - 105		1/4/2017 21:58
2-Fluorophenol	**40.6**	30.8 - 84		1/4/2017 21:58
Nitrobenzene-d5	**38.7**	28.5 - 84.9		1/4/2017 21:58
Phenol-d5	**43.1**	32.5 - 89.6		1/4/2017 21:58
Terphenyl-d14	**47.5**	55.5 - 117	*	1/4/2017 21:58

Method Reference(s): EPA 8270D
EPA 3550C
Preparation Date: 1/4/2017
Data File: B16335.D

Report Prepared Monday, January 09, 2017

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 165593

Client: **C&S Companies**

Project Reference: 100 Dona Street

Sample Identifier: SS-2
Lab Sample ID: 165593-02 **Date Sampled:** 12/28/2016
Matrix: Soil **Date Received:** 12/30/2016

Volatile Organics

Analyte	Result	Units	Qualifier	Date Analyzed
1,1,1-Trichloroethane	< 4.65	ug/Kg		1/5/2017 13:45
1,1,2,2-Tetrachloroethane	< 4.65	ug/Kg		1/5/2017 13:45
1,1,2-Trichloroethane	< 4.65	ug/Kg		1/5/2017 13:45
1,1-Dichloroethane	< 4.65	ug/Kg	L	1/5/2017 13:45
1,1-Dichloroethene	< 4.65	ug/Kg		1/5/2017 13:45
1,2,3-Trichlorobenzene	< 11.6	ug/Kg		1/5/2017 13:45
1,2,4-Trichlorobenzene	< 11.6	ug/Kg		1/5/2017 13:45
1,2,4-Trimethylbenzene	< 4.65	ug/Kg		1/5/2017 13:45
1,2-Dibromo-3-Chloropropane	< 23.2	ug/Kg		1/5/2017 13:45
1,2-Dibromoethane	< 4.65	ug/Kg		1/5/2017 13:45
1,2-Dichlorobenzene	< 4.65	ug/Kg	M	1/5/2017 13:45
1,2-Dichloroethane	< 4.65	ug/Kg	M	1/5/2017 13:45
1,2-Dichloropropane	< 4.65	ug/Kg		1/5/2017 13:45
1,3,5-Trimethylbenzene	< 4.65	ug/Kg		1/5/2017 13:45
1,3-Dichlorobenzene	< 4.65	ug/Kg	M	1/5/2017 13:45
1,4-Dichlorobenzene	< 4.65	ug/Kg	M	1/5/2017 13:45
1,4-dioxane	< 46.5	ug/Kg		1/5/2017 13:45
2-Butanone	< 23.2	ug/Kg		1/5/2017 13:45
2-Hexanone	< 11.6	ug/Kg		1/5/2017 13:45
4-Methyl-2-pentanone	< 11.6	ug/Kg		1/5/2017 13:45
Acetone	< 23.2	ug/Kg		1/5/2017 13:45
Benzene	< 4.65	ug/Kg		1/5/2017 13:45
Bromochloromethane	< 11.6	ug/Kg		1/5/2017 13:45
Bromodichloromethane	< 4.65	ug/Kg		1/5/2017 13:45
Bromoform	< 11.6	ug/Kg	M	1/5/2017 13:45
Bromomethane	< 4.65	ug/Kg	M	1/5/2017 13:45
Carbon disulfide	< 4.65	ug/Kg		1/5/2017 13:45

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 165593

Client: **C&S Companies**

Project Reference: 100 Dona Street

Sample Identifier: SS-2
Lab Sample ID: 165593-02
Matrix: Soil

Date Sampled: 12/28/2016
Date Received: 12/30/2016

Carbon Tetrachloride	< 4.65	ug/Kg		1/5/2017	13:45
Chlorobenzene	< 4.65	ug/Kg	M	1/5/2017	13:45
Chloroethane	< 4.65	ug/Kg		1/5/2017	13:45
Chloroform	< 4.65	ug/Kg		1/5/2017	13:45
Chloromethane	< 4.65	ug/Kg		1/5/2017	13:45
cis-1,2-Dichloroethene	< 4.65	ug/Kg		1/5/2017	13:45
cis-1,3-Dichloropropene	< 4.65	ug/Kg	M	1/5/2017	13:45
Cyclohexane	< 23.2	ug/Kg		1/5/2017	13:45
Dibromochloromethane	< 4.65	ug/Kg		1/5/2017	13:45
Dichlorodifluoromethane	< 4.65	ug/Kg		1/5/2017	13:45
Ethylbenzene	< 4.65	ug/Kg		1/5/2017	13:45
Freon 113	< 4.65	ug/Kg		1/5/2017	13:45
Isopropylbenzene	< 4.65	ug/Kg		1/5/2017	13:45
m,p-Xylene	< 4.65	ug/Kg		1/5/2017	13:45
Methyl acetate	< 4.65	ug/Kg		1/5/2017	13:45
Methyl tert-butyl Ether	< 4.65	ug/Kg		1/5/2017	13:45
Methylcyclohexane	< 4.65	ug/Kg		1/5/2017	13:45
Methylene chloride	< 11.6	ug/Kg		1/5/2017	13:45
Naphthalene	< 11.6	ug/Kg		1/5/2017	13:45
n-Butylbenzene	< 4.65	ug/Kg		1/5/2017	13:45
n-Propylbenzene	< 4.65	ug/Kg		1/5/2017	13:45
o-Xylene	< 4.65	ug/Kg		1/5/2017	13:45
p-Isopropyltoluene	< 4.65	ug/Kg		1/5/2017	13:45
sec-Butylbenzene	< 4.65	ug/Kg		1/5/2017	13:45
Styrene	< 11.6	ug/Kg		1/5/2017	13:45
tert-Butylbenzene	< 4.65	ug/Kg		1/5/2017	13:45
Tetrachloroethene	< 4.65	ug/Kg		1/5/2017	13:45
Toluene	< 4.65	ug/Kg		1/5/2017	13:45
trans-1,2-Dichloroethene	< 4.65	ug/Kg		1/5/2017	13:45
trans-1,3-Dichloropropene	< 4.65	ug/Kg	M	1/5/2017	13:45

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 165593

Client: **C&S Companies**

Project Reference: 100 Dona Street

Sample Identifier: SS-2
Lab Sample ID: 165593-02 **Date Sampled:** 12/28/2016
Matrix: Soil **Date Received:** 12/30/2016

Trichloroethene	< 4.65	ug/Kg		M	1/5/2017 13:45
Trichlorofluoromethane	< 4.65	ug/Kg		M	1/5/2017 13:45
Vinyl chloride	< 4.65	ug/Kg		M	1/5/2017 13:45

Surrogate	Percent Recovery	Limits	Outliers	Date Analyzed
1,2-Dichloroethane-d4	**104**	82 - 124		1/5/2017 13:45
4-Bromofluorobenzene	**77.9**	80.5 - 116	*	1/5/2017 13:45
Pentafluorobenzene	**92.9**	88.7 - 112		1/5/2017 13:45
Toluene-D8	**93.9**	79.1 - 120		1/5/2017 13:45

Internal standard outliers indicate probable matrix interference

Method Reference(s): EPA 8260C
EPA 5035A - L

Data File: x38305.D

This sample was not collected following SW846 5035A specifications. Accordingly, any Volatiles soil results that are less than 200 ug/Kg, including Non Detects, may be biased low, per ELAP method 5035 guidance document from 11/15/2012.

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 165593

Client: **C&S Companies**

Project Reference: 100 Dona Street

Sample Identifier:	SS-3		
Lab Sample ID:	165593-03	**Date Sampled:**	12/28/2016
Matrix:	Soil	**Date Received:**	12/30/2016

Metals

Analyte	Result	Units	Qualifier	Date Analyzed
Arsenic	**7.79**	mg/Kg		1/4/2017 16:51
Barium	**63.4**	mg/Kg		1/4/2017 16:51
Beryllium	**0.759**	mg/Kg		1/4/2017 16:51
Cadmium	**1.49**	mg/Kg		1/4/2017 16:51
Chromium	**43.9**	mg/Kg		1/4/2017 16:51
Copper	**32.6**	mg/Kg		1/4/2017 16:51
Lead	**142**	mg/Kg		1/4/2017 16:51
Manganese	**1530**	mg/Kg		1/4/2017 18:17
Nickel	**19.7**	mg/Kg		1/4/2017 16:51
Selenium	**1.85**	mg/Kg		1/4/2017 16:51
Silver	< 0.604	mg/Kg		1/4/2017 16:51
Zinc	**336**	mg/Kg		1/4/2017 16:51

FINAL

Method Reference(s): EPA 6010C
EPA 3050B
Preparation Date: 1/3/2017
Data File: 010317b

Report Prepared Monday, January 09, 2017

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 165593

Client: **C&S Companies**

Project Reference: 100 Dona Street

Sample Identifier:	SS-3		
Lab Sample ID:	165593-03	**Date Sampled:**	12/28/2016
Matrix:	Soil	**Date Received:**	12/30/2016

Mercury

Analyte	Result	Units	Qualifier	Date Analyzed
Mercury	**0.0622**	mg/Kg		1/3/2017 16:28

Method Reference(s): EPA 7471B
Preparation Date: 1/3/2017
Data File: Hg170103A

FINAL

Report Prepared Monday, January 09, 2017

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 165593

Client: **C&S Companies**

Project Reference: 100 Dona Street

Sample Identifier:	SS-3		
Lab Sample ID:	165593-03	**Date Sampled:**	12/28/2016
Matrix:	Soil	**Date Received:**	12/30/2016

PCBs

Analyte	Result	Units	Qualifier	Date Analyzed
PCB-1016	< 0.0367	mg/Kg		1/5/2017 15:26
PCB-1221	< 0.0367	mg/Kg		1/5/2017 15:26
PCB-1232	< 0.0367	mg/Kg		1/5/2017 15:26
PCB-1242	< 0.0367	mg/Kg		1/5/2017 15:26
PCB-1248	< 0.0367	mg/Kg		1/5/2017 15:26
PCB-1254	< 0.0367	mg/Kg		1/5/2017 15:26
PCB-1260	**0.0210**	mg/Kg	J	1/5/2017 15:26
PCB-1262	< 0.0367	mg/Kg		1/5/2017 15:26
PCB-1268	< 0.0367	mg/Kg		1/5/2017 15:26

Surrogate	Percent Recovery	Limits	Outliers	Date Analyzed
Decachlorobiphenyl	**42.3**	10 - 144		1/5/2017 15:26
Tetrachloro-m-xylene	**33.0**	10 - 140		1/5/2017 15:26

Method Reference(s): EPA 8082A
EPA 3550C

Preparation Date: 1/4/2017

Report Prepared Monday, January 09, 2017

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 165593

Client: **C&S Companies**

Project Reference: 100 Dona Street

Sample Identifier: SS-3
Lab Sample ID: 165593-03 **Date Sampled:** 12/28/2016
Matrix: Soil **Date Received:** 12/30/2016

Semi-Volatile Organics (Acid/Base Neutrals)

Analyte	Result	Units	Qualifier	Date Analyzed
1,1-Biphenyl	< 370	ug/Kg		1/4/2017 23:26
1,2,4,5-Tetrachlorobenzene	< 370	ug/Kg		1/4/2017 23:26
1,2,4-Trichlorobenzene	< 370	ug/Kg		1/4/2017 23:26
1,2-Dichlorobenzene	< 370	ug/Kg		1/4/2017 23:26
1,3-Dichlorobenzene	< 370	ug/Kg		1/4/2017 23:26
1,4-Dichlorobenzene	< 370	ug/Kg		1/4/2017 23:26
2,2-Oxybis (1-chloropropane)	< 370	ug/Kg		1/4/2017 23:26
2,3,4,6-Tetrachlorophenol	< 370	ug/Kg		1/4/2017 23:26
2,4,5-Trichlorophenol	< 740	ug/Kg		1/4/2017 23:26
2,4,6-Trichlorophenol	< 370	ug/Kg		1/4/2017 23:26
2,4-Dichlorophenol	< 370	ug/Kg		1/4/2017 23:26
2,4-Dimethylphenol	< 370	ug/Kg		1/4/2017 23:26
2,4-Dinitrophenol	< 740	ug/Kg		1/4/2017 23:26
2,4-Dinitrotoluene	< 370	ug/Kg		1/4/2017 23:26
2,6-Dinitrotoluene	< 370	ug/Kg		1/4/2017 23:26
2-Chloronaphthalene	< 370	ug/Kg		1/4/2017 23:26
2-Chlorophenol	< 370	ug/Kg		1/4/2017 23:26
2-Methylnapthalene	< 370	ug/Kg		1/4/2017 23:26
2-Methylphenol	< 370	ug/Kg		1/4/2017 23:26
2-Nitroaniline	< 740	ug/Kg		1/4/2017 23:26
2-Nitrophenol	< 370	ug/Kg		1/4/2017 23:26
3&4-Methylphenol	< 370	ug/Kg		1/4/2017 23:26
3,3'-Dichlorobenzidine	< 370	ug/Kg		1/4/2017 23:26
3-Nitroaniline	< 740	ug/Kg		1/4/2017 23:26
4,6-Dinitro-2-methylphenol	< 740	ug/Kg		1/4/2017 23:26
4-Bromophenyl phenyl ether	< 370	ug/Kg		1/4/2017 23:26
4-Chloro-3-methylphenol	< 370	ug/Kg		1/4/2017 23:26

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 165593

Client: **C&S Companies**

Project Reference: 100 Dona Street

Sample Identifier: SS-3
Lab Sample ID: 165593-03 **Date Sampled:** 12/28/2016
Matrix: Soil **Date Received:** 12/30/2016

4-Chloroaniline	< 370	ug/Kg		1/4/2017	23:26
4-Chlorophenyl phenyl ether	< 370	ug/Kg		1/4/2017	23:26
4-Nitroaniline	< 740	ug/Kg		1/4/2017	23:26
4-Nitrophenol	< 740	ug/Kg		1/4/2017	23:26
Acenaphthene	< 370	ug/Kg		1/4/2017	23:26
Acenaphthylene	**266**	ug/Kg	J	1/4/2017	23:26
Acetophenone	< 370	ug/Kg		1/4/2017	23:26
Anthracene	**598**	ug/Kg		1/4/2017	23:26
Atrazine	< 370	ug/Kg		1/4/2017	23:26
Benzaldehyde	< 370	ug/Kg		1/4/2017	23:26
Benzo (a) anthracene	**2620**	ug/Kg		1/4/2017	23:26
Benzo (a) pyrene	**2110**	ug/Kg		1/4/2017	23:26
Benzo (b) fluoranthene	**2470**	ug/Kg		1/4/2017	23:26
Benzo (g,h,i) perylene	**1260**	ug/Kg		1/4/2017	23:26
Benzo (k) fluoranthene	**1870**	ug/Kg		1/4/2017	23:26
Bis (2-chloroethoxy) methane	< 370	ug/Kg		1/4/2017	23:26
Bis (2-chloroethyl) ether	< 370	ug/Kg		1/4/2017	23:26
Bis (2-ethylhexyl) phthalate	< 370	ug/Kg		1/4/2017	23:26
Butylbenzylphthalate	< 370	ug/Kg		1/4/2017	23:26
Caprolactam	< 370	ug/Kg		1/4/2017	23:26
Carbazole	**382**	ug/Kg		1/4/2017	23:26
Chrysene	**2870**	ug/Kg		1/4/2017	23:26
Dibenz (a,h) anthracene	**654**	ug/Kg		1/4/2017	23:26
Dibenzofuran	< 370	ug/Kg		1/4/2017	23:26
Diethyl phthalate	< 370	ug/Kg		1/4/2017	23:26
Dimethyl phthalate	< 740	ug/Kg		1/4/2017	23:26
Di-n-butyl phthalate	< 370	ug/Kg		1/4/2017	23:26
Di-n-octylphthalate	< 370	ug/Kg		1/4/2017	23:26
Fluoranthene	**5790**	ug/Kg		1/4/2017	23:26
Fluorene	< 370	ug/Kg		1/4/2017	23:26

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 165593

Client: **C&S Companies**

Project Reference: 100 Dona Street

Sample Identifier: SS-3
Lab Sample ID: 165593-03 **Date Sampled:** 12/28/2016
Matrix: Soil **Date Received:** 12/30/2016

Hexachlorobenzene	< 370	ug/Kg		1/4/2017 23:26
Hexachlorobutadiene	< 370	ug/Kg		1/4/2017 23:26
Hexachlorocyclopentadiene	< 370	ug/Kg		1/4/2017 23:26
Hexachloroethane	< 370	ug/Kg		1/4/2017 23:26
Indeno (1,2,3-cd) pyrene	**1050**	ug/Kg		1/4/2017 23:26
Isophorone	< 370	ug/Kg		1/4/2017 23:26
Naphthalene	< 370	ug/Kg		1/4/2017 23:26
Nitrobenzene	< 370	ug/Kg		1/4/2017 23:26
N-Nitroso-di-n-propylamine	< 370	ug/Kg		1/4/2017 23:26
N-Nitrosodiphenylamine	< 370	ug/Kg		1/4/2017 23:26
Pentachlorophenol	< 740	ug/Kg		1/4/2017 23:26
Phenanthrene	**2490**	ug/Kg		1/4/2017 23:26
Phenol	< 370	ug/Kg		1/4/2017 23:26
Pyrene	**3930**	ug/Kg		1/4/2017 23:26

Surrogate	Percent Recovery	Limits	Outliers	Date Analyzed
2,4,6-Tribromophenol	**65.4**	38 - 114		1/4/2017 23:26
2-Fluorobiphenyl	**47.3**	25 - 105		1/4/2017 23:26
2-Fluorophenol	**45.1**	30.8 - 84		1/4/2017 23:26
Nitrobenzene-d5	**43.3**	28.5 - 84.9		1/4/2017 23:26
Phenol-d5	**51.3**	32.5 - 89.6		1/4/2017 23:26
Terphenyl-d14	**59.8**	55.5 - 117		1/4/2017 23:26

Method Reference(s): EPA 8270D
EPA 3550C
Preparation Date: 1/4/2017
Data File: B16338.D

Report Prepared Monday, January 09, 2017

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 165593

Client: **C&S Companies**

Project Reference: 100 Dona Street

Sample Identifier:	SS-3		
Lab Sample ID:	165593-03	**Date Sampled:**	12/28/2016
Matrix:	Soil	**Date Received:**	12/30/2016

Volatile Organics

Analyte	Result	Units	Qualifier	Date Analyzed
1,1,1-Trichloroethane	< 4.56	ug/Kg		1/4/2017 21:54
1,1,2,2-Tetrachloroethane	< 4.56	ug/Kg		1/4/2017 21:54
1,1,2-Trichloroethane	< 4.56	ug/Kg		1/4/2017 21:54
1,1-Dichloroethane	< 4.56	ug/Kg		1/4/2017 21:54
1,1-Dichloroethene	< 4.56	ug/Kg		1/4/2017 21:54
1,2,3-Trichlorobenzene	< 11.4	ug/Kg		1/4/2017 21:54
1,2,4-Trichlorobenzene	< 11.4	ug/Kg		1/4/2017 21:54
1,2,4-Trimethylbenzene	< 4.56	ug/Kg		1/4/2017 21:54
1,2-Dibromo-3-Chloropropane	< 22.8	ug/Kg		1/4/2017 21:54
1,2-Dibromoethane	< 4.56	ug/Kg		1/4/2017 21:54
1,2-Dichlorobenzene	< 4.56	ug/Kg		1/4/2017 21:54
1,2-Dichloroethane	< 4.56	ug/Kg		1/4/2017 21:54
1,2-Dichloropropane	< 4.56	ug/Kg		1/4/2017 21:54
1,3,5-Trimethylbenzene	< 4.56	ug/Kg		1/4/2017 21:54
1,3-Dichlorobenzene	< 4.56	ug/Kg		1/4/2017 21:54
1,4-Dichlorobenzene	< 4.56	ug/Kg		1/4/2017 21:54
1,4-dioxane	< 45.6	ug/Kg		1/4/2017 21:54
2-Butanone	< 22.8	ug/Kg		1/4/2017 21:54
2-Hexanone	< 11.4	ug/Kg		1/4/2017 21:54
4-Methyl-2-pentanone	< 11.4	ug/Kg		1/4/2017 21:54
Acetone	< 22.8	ug/Kg		1/4/2017 21:54
Benzene	< 4.56	ug/Kg		1/4/2017 21:54
Bromochloromethane	< 11.4	ug/Kg		1/4/2017 21:54
Bromodichloromethane	< 4.56	ug/Kg		1/4/2017 21:54
Bromoform	< 11.4	ug/Kg		1/4/2017 21:54
Bromomethane	< 4.56	ug/Kg		1/4/2017 21:54
Carbon disulfide	< 4.56	ug/Kg		1/4/2017 21:54

Report Prepared Monday, January 09, 2017

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 165593

Client: **C&S Companies**

Project Reference: 100 Dona Street

Sample Identifier: SS-3
Lab Sample ID: 165593-03
Matrix: Soil
Date Sampled: 12/28/2016
Date Received: 12/30/2016

Carbon Tetrachloride	< 4.56	ug/Kg	1/4/2017	21:54
Chlorobenzene	< 4.56	ug/Kg	1/4/2017	21:54
Chloroethane	< 4.56	ug/Kg	1/4/2017	21:54
Chloroform	< 4.56	ug/Kg	1/4/2017	21:54
Chloromethane	< 4.56	ug/Kg	1/4/2017	21:54
cis-1,2-Dichloroethene	< 4.56	ug/Kg	1/4/2017	21:54
cis-1,3-Dichloropropene	< 4.56	ug/Kg	1/4/2017	21:54
Cyclohexane	< 22.8	ug/Kg	1/4/2017	21:54
Dibromochloromethane	< 4.56	ug/Kg	1/4/2017	21:54
Dichlorodifluoromethane	< 4.56	ug/Kg	1/4/2017	21:54
Ethylbenzene	< 4.56	ug/Kg	1/4/2017	21:54
Freon 113	< 4.56	ug/Kg	1/4/2017	21:54
Isopropylbenzene	< 4.56	ug/Kg	1/4/2017	21:54
m,p-Xylene	< 4.56	ug/Kg	1/4/2017	21:54
Methyl acetate	< 4.56	ug/Kg	1/4/2017	21:54
Methyl tert-butyl Ether	< 4.56	ug/Kg	1/4/2017	21:54
Methylcyclohexane	< 4.56	ug/Kg	1/4/2017	21:54
Methylene chloride	< 11.4	ug/Kg	1/4/2017	21:54
Naphthalene	< 11.4	ug/Kg	1/4/2017	21:54
n-Butylbenzene	< 4.56	ug/Kg	1/4/2017	21:54
n-Propylbenzene	< 4.56	ug/Kg	1/4/2017	21:54
o-Xylene	< 4.56	ug/Kg	1/4/2017	21:54
p-Isopropyltoluene	< 4.56	ug/Kg	1/4/2017	21:54
sec-Butylbenzene	< 4.56	ug/Kg	1/4/2017	21:54
Styrene	< 11.4	ug/Kg	1/4/2017	21:54
tert-Butylbenzene	< 4.56	ug/Kg	1/4/2017	21:54
Tetrachloroethene	< 4.56	ug/Kg	1/4/2017	21:54
Toluene	< 4.56	ug/Kg	1/4/2017	21:54
trans-1,2-Dichloroethene	< 4.56	ug/Kg	1/4/2017	21:54
trans-1,3-Dichloropropene	< 4.56	ug/Kg	1/4/2017	21:54

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 165593

Client: **C&S Companies**

Project Reference: 100 Dona Street

Sample Identifier: SS-3
Lab Sample ID: 165593-03 **Date Sampled:** 12/28/2016
Matrix: Soil **Date Received:** 12/30/2016

Trichloroethene	< 4.56	ug/Kg	1/4/2017	21:54
Trichlorofluoromethane	< 4.56	ug/Kg	1/4/2017	21:54
Vinyl chloride	< 4.56	ug/Kg	1/4/2017	21:54

Surrogate	Percent Recovery	Limits	Outliers	Date Analyzed	
1,2-Dichloroethane-d4	**109**	82 - 124		1/4/2017	21:54
4-Bromofluorobenzene	**81.5**	80.5 - 116		1/4/2017	21:54
Pentafluorobenzene	**95.7**	88.7 - 112		1/4/2017	21:54
Toluene-D8	**93.4**	79.1 - 120		1/4/2017	21:54

Internal standard outliers indicate probable matrix interference

Method Reference(s): EPA 8260C
EPA 5035A - L

Data File: x38291.D

This sample was not collected following SW846 5035A specifications. Accordingly, any Volatiles soil results that are less than 200 ug/Kg, including Non Detects, may be biased low, per ELAP method 5035 guidance document from 11/15/2012.

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 165593

Client: **C&S Companies**

Project Reference: 100 Dona Street

Sample Identifier:	SS-4		
Lab Sample ID:	165593-04	**Date Sampled:**	12/28/2016
Matrix:	Soil	**Date Received:**	12/30/2016

Metals

Analyte	Result	Units	Qualifier	Date Analyzed
Arsenic	**9.16**	mg/Kg		1/4/2017 16:55
Barium	**58.6**	mg/Kg		1/4/2017 16:55
Beryllium	**0.495**	mg/Kg		1/4/2017 16:55
Cadmium	**1.48**	mg/Kg		1/4/2017 16:55
Chromium	**30.6**	mg/Kg		1/4/2017 16:55
Copper	**29.5**	mg/Kg		1/4/2017 16:55
Lead	**110**	mg/Kg		1/4/2017 16:55
Manganese	**905**	mg/Kg		1/4/2017 18:21
Nickel	**18.3**	mg/Kg		1/4/2017 16:55
Selenium	**1.68**	mg/Kg		1/4/2017 16:55
Silver	< 0.638	mg/Kg		1/4/2017 16:55
Zinc	**296**	mg/Kg		1/4/2017 16:55

Method Reference(s): EPA 6010C
EPA 3050B
Preparation Date: 1/3/2017
Data File: 010317b

Report Prepared Monday, January 09, 2017

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 165593

Client: **C&S Companies**

Project Reference: 100 Dona Street

Sample Identifier:	SS-4		
Lab Sample ID:	165593-04	**Date Sampled:**	12/28/2016
Matrix:	Soil	**Date Received:**	12/30/2016

Mercury

Analyte	Result	Units	Qualifier	Date Analyzed
Mercury	**0.0923**	mg/Kg		1/3/2017 16:39

Method Reference(s): EPA 7471B
Preparation Date: 1/3/2017
Data File: Hg170103A

FINAL

This report is part of a multipage document and should only be evaluated in its entirety. The Chain of Custody provides additional sample information, including compliance with the sample condition requirements upon receipt.

Report Prepared Monday, January 09, 2017

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 165593

Client: **C&S Companies**

Project Reference: 100 Dona Street

Sample Identifier:	SS-4		
Lab Sample ID:	165593-04	**Date Sampled:**	12/28/2016
Matrix:	Soil	**Date Received:**	12/30/2016

PCBs

Analyte	Result	Units	Qualifier	Date Analyzed
PCB-1016	< 0.0410	mg/Kg		1/5/2017 15:49
PCB-1221	< 0.0410	mg/Kg		1/5/2017 15:49
PCB-1232	< 0.0410	mg/Kg		1/5/2017 15:49
PCB-1242	< 0.0410	mg/Kg		1/5/2017 15:49
PCB-1248	< 0.0410	mg/Kg		1/5/2017 15:49
PCB-1254	< 0.0410	mg/Kg		1/5/2017 15:49
PCB-1260	< 0.0410	mg/Kg		1/5/2017 15:49
PCB-1262	< 0.0410	mg/Kg		1/5/2017 15:49
PCB-1268	< 0.0410	mg/Kg		1/5/2017 15:49

Surrogate	Percent Recovery	Limits	Outliers	Date Analyzed
Decachlorobiphenyl	**156**	10 - 144	*	1/5/2017 15:49
Tetrachloro-m-xylene	**19.0**	10 - 140		1/5/2017 15:49

Method Reference(s): EPA 8082A
EPA 3550C

Preparation Date: 1/4/2017

Report Prepared Monday, January 09, 2017

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 165593

Client: **C&S Companies**

Project Reference: 100 Dona Street

Sample Identifier: SS-4
Lab Sample ID: 165593-04
Matrix: Soil
Date Sampled: 12/28/2016
Date Received: 12/30/2016

Semi-Volatile Organics (Acid/Base Neutrals)

Analyte	Result	Units	Qualifier	Date Analyzed
1,1-Biphenyl	< 408	ug/Kg		1/4/2017 23:55
1,2,4,5-Tetrachlorobenzene	< 408	ug/Kg		1/4/2017 23:55
1,2,4-Trichlorobenzene	< 408	ug/Kg		1/4/2017 23:55
1,2-Dichlorobenzene	< 408	ug/Kg		1/4/2017 23:55
1,3-Dichlorobenzene	< 408	ug/Kg		1/4/2017 23:55
1,4-Dichlorobenzene	< 408	ug/Kg		1/4/2017 23:55
2,2-Oxybis (1-chloropropane)	< 408	ug/Kg		1/4/2017 23:55
2,3,4,6-Tetrachlorophenol	< 408	ug/Kg		1/4/2017 23:55
2,4,5-Trichlorophenol	< 815	ug/Kg		1/4/2017 23:55
2,4,6-Trichlorophenol	< 408	ug/Kg		1/4/2017 23:55
2,4-Dichlorophenol	< 408	ug/Kg		1/4/2017 23:55
2,4-Dimethylphenol	< 408	ug/Kg		1/4/2017 23:55
2,4-Dinitrophenol	< 815	ug/Kg		1/4/2017 23:55
2,4-Dinitrotoluene	< 408	ug/Kg		1/4/2017 23:55
2,6-Dinitrotoluene	< 408	ug/Kg		1/4/2017 23:55
2-Chloronaphthalene	< 408	ug/Kg		1/4/2017 23:55
2-Chlorophenol	< 408	ug/Kg		1/4/2017 23:55
2-Methylnapthalene	< 408	ug/Kg		1/4/2017 23:55
2-Methylphenol	< 408	ug/Kg		1/4/2017 23:55
2-Nitroaniline	< 815	ug/Kg		1/4/2017 23:55
2-Nitrophenol	< 408	ug/Kg		1/4/2017 23:55
3&4-Methylphenol	< 408	ug/Kg		1/4/2017 23:55
3,3'-Dichlorobenzidine	< 408	ug/Kg		1/4/2017 23:55
3-Nitroaniline	< 815	ug/Kg		1/4/2017 23:55
4,6-Dinitro-2-methylphenol	< 815	ug/Kg		1/4/2017 23:55
4-Bromophenyl phenyl ether	< 408	ug/Kg		1/4/2017 23:55
4-Chloro-3-methylphenol	< 408	ug/Kg		1/4/2017 23:55

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 165593

Client: **C&S Companies**

Project Reference: 100 Dona Street

Sample Identifier: SS-4
Lab Sample ID: 165593-04 **Date Sampled:** 12/28/2016
Matrix: Soil **Date Received:** 12/30/2016

4-Chloroaniline	< 408	ug/Kg		1/4/2017	23:55
4-Chlorophenyl phenyl ether	< 408	ug/Kg		1/4/2017	23:55
4-Nitroaniline	< 815	ug/Kg		1/4/2017	23:55
4-Nitrophenol	< 815	ug/Kg		1/4/2017	23:55
Acenaphthene	< 408	ug/Kg		1/4/2017	23:55
Acenaphthylene	< 408	ug/Kg		1/4/2017	23:55
Acetophenone	< 408	ug/Kg		1/4/2017	23:55
Anthracene	< 408	ug/Kg		1/4/2017	23:55
Atrazine	< 408	ug/Kg		1/4/2017	23:55
Benzaldehyde	< 408	ug/Kg		1/4/2017	23:55
Benzo (a) anthracene	**403**	ug/Kg	J	1/4/2017	23:55
Benzo (a) pyrene	**380**	ug/Kg	J	1/4/2017	23:55
Benzo (b) fluoranthene	**432**	ug/Kg		1/4/2017	23:55
Benzo (g,h,i) perylene	**267**	ug/Kg	J	1/4/2017	23:55
Benzo (k) fluoranthene	**334**	ug/Kg	J	1/4/2017	23:55
Bis (2-chloroethoxy) methane	< 408	ug/Kg		1/4/2017	23:55
Bis (2-chloroethyl) ether	< 408	ug/Kg		1/4/2017	23:55
Bis (2-ethylhexyl) phthalate	< 408	ug/Kg		1/4/2017	23:55
Butylbenzylphthalate	< 408	ug/Kg		1/4/2017	23:55
Caprolactam	< 408	ug/Kg		1/4/2017	23:55
Carbazole	< 408	ug/Kg		1/4/2017	23:55
Chrysene	**491**	ug/Kg		1/4/2017	23:55
Dibenz (a,h) anthracene	< 408	ug/Kg		1/4/2017	23:55
Dibenzofuran	< 408	ug/Kg		1/4/2017	23:55
Diethyl phthalate	< 408	ug/Kg		1/4/2017	23:55
Dimethyl phthalate	< 815	ug/Kg		1/4/2017	23:55
Di-n-butyl phthalate	< 408	ug/Kg		1/4/2017	23:55
Di-n-octylphthalate	< 408	ug/Kg		1/4/2017	23:55
Fluoranthene	**841**	ug/Kg		1/4/2017	23:55
Fluorene	< 408	ug/Kg		1/4/2017	23:55

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 165593

Client: **C&S Companies**

Project Reference: 100 Dona Street

Sample Identifier: SS-4
Lab Sample ID: 165593-04 **Date Sampled:** 12/28/2016
Matrix: Soil **Date Received:** 12/30/2016

Hexachlorobenzene	< 408	ug/Kg		1/4/2017	23:55
Hexachlorobutadiene	< 408	ug/Kg		1/4/2017	23:55
Hexachlorocyclopentadiene	< 408	ug/Kg		1/4/2017	23:55
Hexachloroethane	< 408	ug/Kg		1/4/2017	23:55
Indeno (1,2,3-cd) pyrene	**220**	ug/Kg	J	1/4/2017	23:55
Isophorone	< 408	ug/Kg		1/4/2017	23:55
Naphthalene	< 408	ug/Kg		1/4/2017	23:55
Nitrobenzene	< 408	ug/Kg		1/4/2017	23:55
N-Nitroso-di-n-propylamine	< 408	ug/Kg		1/4/2017	23:55
N-Nitrosodiphenylamine	< 408	ug/Kg		1/4/2017	23:55
Pentachlorophenol	< 815	ug/Kg		1/4/2017	23:55
Phenanthrene	**338**	ug/Kg	J	1/4/2017	23:55
Phenol	< 408	ug/Kg		1/4/2017	23:55
Pyrene	**644**	ug/Kg		1/4/2017	23:55

Surrogate	Percent Recovery	Limits	Outliers	Date Analyzed	
2,4,6-Tribromophenol	**54.5**	38 - 114		1/4/2017	23:55
2-Fluorobiphenyl	**37.2**	25 - 105		1/4/2017	23:55
2-Fluorophenol	**40.2**	30.8 - 84		1/4/2017	23:55
Nitrobenzene-d5	**36.1**	28.5 - 84.9		1/4/2017	23:55
Phenol-d5	**44.6**	32.5 - 89.6		1/4/2017	23:55
Terphenyl-d14	**50.8**	55.5 - 117	*	1/4/2017	23:55

Method Reference(s): EPA 8270D
EPA 3550C
Preparation Date: 1/4/2017
Data File: B16339.D

Report Prepared Monday, January 09, 2017

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 165593

Client: **C&S Companies**

Project Reference: 100 Dona Street

Sample Identifier: SS-4
Lab Sample ID: 165593-04 **Date Sampled:** 12/28/2016
Matrix: Soil **Date Received:** 12/30/2016

Volatile Organics

Analyte	Result	Units	Qualifier	Date Analyzed
1,1,1-Trichloroethane	< 5.82	ug/Kg		1/4/2017 21:29
1,1,2,2-Tetrachloroethane	< 5.82	ug/Kg		1/4/2017 21:29
1,1,2-Trichloroethane	< 5.82	ug/Kg		1/4/2017 21:29
1,1-Dichloroethane	< 5.82	ug/Kg		1/4/2017 21:29
1,1-Dichloroethene	< 5.82	ug/Kg		1/4/2017 21:29
1,2,3-Trichlorobenzene	< 14.6	ug/Kg		1/4/2017 21:29
1,2,4-Trichlorobenzene	< 14.6	ug/Kg		1/4/2017 21:29
1,2,4-Trimethylbenzene	< 5.82	ug/Kg		1/4/2017 21:29
1,2-Dibromo-3-Chloropropane	< 29.1	ug/Kg		1/4/2017 21:29
1,2-Dibromoethane	< 5.82	ug/Kg		1/4/2017 21:29
1,2-Dichlorobenzene	< 5.82	ug/Kg		1/4/2017 21:29
1,2-Dichloroethane	< 5.82	ug/Kg		1/4/2017 21:29
1,2-Dichloropropane	< 5.82	ug/Kg		1/4/2017 21:29
1,3,5-Trimethylbenzene	< 5.82	ug/Kg		1/4/2017 21:29
1,3-Dichlorobenzene	< 5.82	ug/Kg		1/4/2017 21:29
1,4-Dichlorobenzene	< 5.82	ug/Kg		1/4/2017 21:29
1,4-dioxane	< 58.2	ug/Kg		1/4/2017 21:29
2-Butanone	< 29.1	ug/Kg		1/4/2017 21:29
2-Hexanone	< 14.6	ug/Kg		1/4/2017 21:29
4-Methyl-2-pentanone	< 14.6	ug/Kg		1/4/2017 21:29
Acetone	< 29.1	ug/Kg		1/4/2017 21:29
Benzene	< 5.82	ug/Kg		1/4/2017 21:29
Bromochloromethane	< 14.6	ug/Kg		1/4/2017 21:29
Bromodichloromethane	< 5.82	ug/Kg		1/4/2017 21:29
Bromoform	< 14.6	ug/Kg		1/4/2017 21:29
Bromomethane	< 5.82	ug/Kg		1/4/2017 21:29
Carbon disulfide	< 5.82	ug/Kg		1/4/2017 21:29

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 165593

Client: **C&S Companies**

Project Reference: 100 Dona Street

Sample Identifier: SS-4
Lab Sample ID: 165593-04
Matrix: Soil
Date Sampled: 12/28/2016
Date Received: 12/30/2016

Carbon Tetrachloride	< 5.82	ug/Kg	1/4/2017	21:29
Chlorobenzene	< 5.82	ug/Kg	1/4/2017	21:29
Chloroethane	< 5.82	ug/Kg	1/4/2017	21:29
Chloroform	< 5.82	ug/Kg	1/4/2017	21:29
Chloromethane	< 5.82	ug/Kg	1/4/2017	21:29
cis-1,2-Dichloroethene	< 5.82	ug/Kg	1/4/2017	21:29
cis-1,3-Dichloropropene	< 5.82	ug/Kg	1/4/2017	21:29
Cyclohexane	< 29.1	ug/Kg	1/4/2017	21:29
Dibromochloromethane	< 5.82	ug/Kg	1/4/2017	21:29
Dichlorodifluoromethane	< 5.82	ug/Kg	1/4/2017	21:29
Ethylbenzene	< 5.82	ug/Kg	1/4/2017	21:29
Freon 113	< 5.82	ug/Kg	1/4/2017	21:29
Isopropylbenzene	< 5.82	ug/Kg	1/4/2017	21:29
m,p-Xylene	< 5.82	ug/Kg	1/4/2017	21:29
Methyl acetate	< 5.82	ug/Kg	1/4/2017	21:29
Methyl tert-butyl Ether	< 5.82	ug/Kg	1/4/2017	21:29
Methylcyclohexane	< 5.82	ug/Kg	1/4/2017	21:29
Methylene chloride	< 14.6	ug/Kg	1/4/2017	21:29
Naphthalene	< 14.6	ug/Kg	1/4/2017	21:29
n-Butylbenzene	< 5.82	ug/Kg	1/4/2017	21:29
n-Propylbenzene	< 5.82	ug/Kg	1/4/2017	21:29
o-Xylene	< 5.82	ug/Kg	1/4/2017	21:29
p-Isopropyltoluene	< 5.82	ug/Kg	1/4/2017	21:29
sec-Butylbenzene	< 5.82	ug/Kg	1/4/2017	21:29
Styrene	< 14.6	ug/Kg	1/4/2017	21:29
tert-Butylbenzene	< 5.82	ug/Kg	1/4/2017	21:29
Tetrachloroethene	< 5.82	ug/Kg	1/4/2017	21:29
Toluene	< 5.82	ug/Kg	1/4/2017	21:29
trans-1,2-Dichloroethene	< 5.82	ug/Kg	1/4/2017	21:29
trans-1,3-Dichloropropene	< 5.82	ug/Kg	1/4/2017	21:29

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 165593

Client: **C&S Companies**

Project Reference: 100 Dona Street

Sample Identifier: SS-4
Lab Sample ID: 165593-04 **Date Sampled:** 12/28/2016
Matrix: Soil **Date Received:** 12/30/2016

Trichloroethene	< 5.82	ug/Kg	1/4/2017	21:29
Trichlorofluoromethane	< 5.82	ug/Kg	1/4/2017	21:29
Vinyl chloride	< 5.82	ug/Kg	1/4/2017	21:29

Surrogate	Percent Recovery	Limits	Outliers	Date Analyzed	
1,2-Dichloroethane-d4	**106**	82 - 124		1/4/2017	21:29
4-Bromofluorobenzene	**77.7**	80.5 - 116	*	1/4/2017	21:29
Pentafluorobenzene	**97.2**	88.7 - 112		1/4/2017	21:29
Toluene-D8	**94.2**	79.1 - 120		1/4/2017	21:29

Internal standard outliers indicate probable matrix interference

Method Reference(s): EPA 8260C
EPA 5035A - L

Data File: x38290.D

This sample was not collected following SW846 5035A specifications. Accordingly, any Volatiles soil results that are less than 200 ug/Kg, including Non Detects, may be biased low, per ELAP method 5035 guidance document from 11/15/2012.

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 165593

Client: **C&S Companies**

Project Reference: 100 Dona Street

Sample Identifier:	SS-5		
Lab Sample ID:	165593-05	**Date Sampled:**	12/28/2016
Matrix:	Soil	**Date Received:**	12/30/2016

Metals

Analyte	Result	Units	Qualifier	Date Analyzed
Arsenic	**10.5**	mg/Kg		1/4/2017 17:00
Barium	**69.2**	mg/Kg		1/4/2017 17:00
Beryllium	**0.766**	mg/Kg		1/4/2017 17:00
Cadmium	**1.95**	mg/Kg		1/4/2017 17:00
Chromium	**48.7**	mg/Kg		1/4/2017 17:00
Copper	**41.6**	mg/Kg		1/4/2017 17:00
Lead	**174**	mg/Kg		1/4/2017 17:00
Manganese	**1490**	mg/Kg		1/4/2017 18:26
Nickel	**22.1**	mg/Kg		1/4/2017 17:00
Selenium	**2.42**	mg/Kg		1/5/2017 16:42
Silver	< 0.664	mg/Kg		1/4/2017 17:00
Zinc	**403**	mg/Kg		1/4/2017 17:00

Method Reference(s): EPA 6010C
EPA 3050B
Preparation Date: 1/3/2017
Data File: 010317b

Report Prepared Monday, January 09, 2017

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 165593

Client: **C&S Companies**

Project Reference: 100 Dona Street

Sample Identifier:	SS-5		
Lab Sample ID:	165593-05	**Date Sampled:**	12/28/2016
Matrix:	Soil	**Date Received:**	12/30/2016

Mercury

Analyte	Result	Units	Qualifier	Date Analyzed
Mercury	**0.0983**	mg/Kg		1/3/2017 16:43

Method Reference(s): EPA 7471B
Preparation Date: 1/3/2017
Data File: Hg170103A

FINAL

Report Prepared Monday, January 09, 2017

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 165593

Client: **C&S Companies**

Project Reference: 100 Dona Street

Sample Identifier: SS-5
Lab Sample ID: 165593-05 **Date Sampled:** 12/28/2016
Matrix: Soil **Date Received:** 12/30/2016

PCBs

Analyte	Result	Units	Qualifier	Date Analyzed
PCB-1016	< 0.0398	mg/Kg		1/5/2017 16:11
PCB-1221	< 0.0398	mg/Kg		1/5/2017 16:11
PCB-1232	< 0.0398	mg/Kg		1/5/2017 16:11
PCB-1242	< 0.0398	mg/Kg		1/5/2017 16:11
PCB-1248	< 0.0398	mg/Kg		1/5/2017 16:11
PCB-1254	< 0.0398	mg/Kg		1/5/2017 16:11
PCB-1260	**0.0271**	mg/Kg	J	1/5/2017 16:11
PCB-1262	< 0.0398	mg/Kg		1/5/2017 16:11
PCB-1268	< 0.0398	mg/Kg		1/5/2017 16:11

Surrogate	Percent Recovery	Limits	Outliers	Date Analyzed
Decachlorobiphenyl	**41.8**	10 - 144		1/5/2017 16:11
Tetrachloro-m-xylene	**28.1**	10 - 140		1/5/2017 16:11

Method Reference(s): EPA 8082A
EPA 3550C
Preparation Date: 1/4/2017

Report Prepared Monday, January 09, 2017

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 165593

Client: **C&S Companies**

Project Reference: 100 Dona Street

Sample Identifier: SS-5
Lab Sample ID: 165593-05 **Date Sampled:** 12/28/2016
Matrix: Soil **Date Received:** 12/30/2016

Semi-Volatile Organics (Acid/Base Neutrals)

Analyte	Result	Units	Qualifier	Date Analyzed
1,1-Biphenyl	< 401	ug/Kg		1/5/2017 00:24
1,2,4,5-Tetrachlorobenzene	< 401	ug/Kg		1/5/2017 00:24
1,2,4-Trichlorobenzene	< 401	ug/Kg		1/5/2017 00:24
1,2-Dichlorobenzene	< 401	ug/Kg		1/5/2017 00:24
1,3-Dichlorobenzene	< 401	ug/Kg		1/5/2017 00:24
1,4-Dichlorobenzene	< 401	ug/Kg		1/5/2017 00:24
2,2-Oxybis (1-chloropropane)	< 401	ug/Kg		1/5/2017 00:24
2,3,4,6-Tetrachlorophenol	< 401	ug/Kg		1/5/2017 00:24
2,4,5-Trichlorophenol	< 803	ug/Kg		1/5/2017 00:24
2,4,6-Trichlorophenol	< 401	ug/Kg		1/5/2017 00:24
2,4-Dichlorophenol	< 401	ug/Kg		1/5/2017 00:24
2,4-Dimethylphenol	< 401	ug/Kg		1/5/2017 00:24
2,4-Dinitrophenol	< 803	ug/Kg		1/5/2017 00:24
2,4-Dinitrotoluene	< 401	ug/Kg		1/5/2017 00:24
2,6-Dinitrotoluene	< 401	ug/Kg		1/5/2017 00:24
2-Chloronaphthalene	< 401	ug/Kg		1/5/2017 00:24
2-Chlorophenol	< 401	ug/Kg		1/5/2017 00:24
2-Methylnapthalene	< 401	ug/Kg		1/5/2017 00:24
2-Methylphenol	< 401	ug/Kg		1/5/2017 00:24
2-Nitroaniline	< 803	ug/Kg		1/5/2017 00:24
2-Nitrophenol	< 401	ug/Kg		1/5/2017 00:24
3&4-Methylphenol	< 401	ug/Kg		1/5/2017 00:24
3,3'-Dichlorobenzidine	< 401	ug/Kg		1/5/2017 00:24
3-Nitroaniline	< 803	ug/Kg		1/5/2017 00:24
4,6-Dinitro-2-methylphenol	< 803	ug/Kg		1/5/2017 00:24
4-Bromophenyl phenyl ether	< 401	ug/Kg		1/5/2017 00:24
4-Chloro-3-methylphenol	< 401	ug/Kg		1/5/2017 00:24

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 165593

Client: **C&S Companies**

Project Reference: 100 Dona Street

Sample Identifier: SS-5
Lab Sample ID: 165593-05 **Date Sampled:** 12/28/2016
Matrix: Soil **Date Received:** 12/30/2016

4-Chloroaniline	< 401	ug/Kg		1/5/2017	00:24
4-Chlorophenyl phenyl ether	< 401	ug/Kg		1/5/2017	00:24
4-Nitroaniline	< 803	ug/Kg		1/5/2017	00:24
4-Nitrophenol	< 803	ug/Kg		1/5/2017	00:24
Acenaphthene	< 401	ug/Kg		1/5/2017	00:24
Acenaphthylene	< 401	ug/Kg		1/5/2017	00:24
Acetophenone	< 401	ug/Kg		1/5/2017	00:24
Anthracene	**210**	ug/Kg	J	1/5/2017	00:24
Atrazine	< 401	ug/Kg		1/5/2017	00:24
Benzaldehyde	< 401	ug/Kg		1/5/2017	00:24
Benzo (a) anthracene	**639**	ug/Kg		1/5/2017	00:24
Benzo (a) pyrene	**610**	ug/Kg		1/5/2017	00:24
Benzo (b) fluoranthene	**640**	ug/Kg		1/5/2017	00:24
Benzo (g,h,i) perylene	**445**	ug/Kg		1/5/2017	00:24
Benzo (k) fluoranthene	**550**	ug/Kg		1/5/2017	00:24
Bis (2-chloroethoxy) methane	< 401	ug/Kg		1/5/2017	00:24
Bis (2-chloroethyl) ether	< 401	ug/Kg		1/5/2017	00:24
Bis (2-ethylhexyl) phthalate	< 401	ug/Kg		1/5/2017	00:24
Butylbenzylphthalate	< 401	ug/Kg		1/5/2017	00:24
Caprolactam	< 401	ug/Kg		1/5/2017	00:24
Carbazole	< 401	ug/Kg		1/5/2017	00:24
Chrysene	**757**	ug/Kg		1/5/2017	00:24
Dibenz (a,h) anthracene	< 401	ug/Kg		1/5/2017	00:24
Dibenzofuran	< 401	ug/Kg		1/5/2017	00:24
Diethyl phthalate	< 401	ug/Kg		1/5/2017	00:24
Dimethyl phthalate	< 803	ug/Kg		1/5/2017	00:24
Di-n-butyl phthalate	< 401	ug/Kg		1/5/2017	00:24
Di-n-octylphthalate	< 401	ug/Kg		1/5/2017	00:24
Fluoranthene	**1410**	ug/Kg		1/5/2017	00:24
Fluorene	< 401	ug/Kg		1/5/2017	00:24

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 165593

Client: **C&S Companies**

Project Reference: 100 Dona Street

Sample Identifier: SS-5
Lab Sample ID: 165593-05 **Date Sampled:** 12/28/2016
Matrix: Soil **Date Received:** 12/30/2016

Hexachlorobenzene	< 401	ug/Kg		1/5/2017	00:24
Hexachlorobutadiene	< 401	ug/Kg		1/5/2017	00:24
Hexachlorocyclopentadiene	< 401	ug/Kg		1/5/2017	00:24
Hexachloroethane	< 401	ug/Kg		1/5/2017	00:24
Indeno (1,2,3-cd) pyrene	**325**	ug/Kg	J	1/5/2017	00:24
Isophorone	< 401	ug/Kg		1/5/2017	00:24
Naphthalene	< 401	ug/Kg		1/5/2017	00:24
Nitrobenzene	< 401	ug/Kg		1/5/2017	00:24
N-Nitroso-di-n-propylamine	< 401	ug/Kg		1/5/2017	00:24
N-Nitrosodiphenylamine	< 401	ug/Kg		1/5/2017	00:24
Pentachlorophenol	< 803	ug/Kg		1/5/2017	00:24
Phenanthrene	**644**	ug/Kg		1/5/2017	00:24
Phenol	< 401	ug/Kg		1/5/2017	00:24
Pyrene	**1080**	ug/Kg		1/5/2017	00:24

Surrogate	Percent Recovery	Limits	Outliers	Date Analyzed	
2,4,6-Tribromophenol	**54.4**	38 - 114		1/5/2017	00:24
2-Fluorobiphenyl	**37.1**	25 - 105		1/5/2017	00:24
2-Fluorophenol	**38.9**	30.8 - 84		1/5/2017	00:24
Nitrobenzene-d5	**37.4**	28.5 - 84.9		1/5/2017	00:24
Phenol-d5	**41.7**	32.5 - 89.6		1/5/2017	00:24
Terphenyl-d14	**50.4**	55.5 - 117	*	1/5/2017	00:24

Method Reference(s): EPA 8270D
EPA 3550C
Preparation Date: 1/4/2017
Data File: B16340.D

Report Prepared Monday, January 09, 2017

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 165593

Client: **C&S Companies**

Project Reference: 100 Dona Street

Sample Identifier:	SS-5		
Lab Sample ID:	165593-05	**Date Sampled:**	12/28/2016
Matrix:	Soil	**Date Received:**	12/30/2016

Volatile Organics

Analyte	Result	Units	Qualifier	Date Analyzed
1,1,1-Trichloroethane	< 4.19	ug/Kg		1/4/2017 21:02
1,1,2,2-Tetrachloroethane	< 4.19	ug/Kg		1/4/2017 21:02
1,1,2-Trichloroethane	< 4.19	ug/Kg		1/4/2017 21:02
1,1-Dichloroethane	< 4.19	ug/Kg		1/4/2017 21:02
1,1-Dichloroethene	< 4.19	ug/Kg		1/4/2017 21:02
1,2,3-Trichlorobenzene	< 10.5	ug/Kg		1/4/2017 21:02
1,2,4-Trichlorobenzene	< 10.5	ug/Kg		1/4/2017 21:02
1,2,4-Trimethylbenzene	< 4.19	ug/Kg		1/4/2017 21:02
1,2-Dibromo-3-Chloropropane	< 21.0	ug/Kg		1/4/2017 21:02
1,2-Dibromoethane	< 4.19	ug/Kg		1/4/2017 21:02
1,2-Dichlorobenzene	< 4.19	ug/Kg		1/4/2017 21:02
1,2-Dichloroethane	< 4.19	ug/Kg		1/4/2017 21:02
1,2-Dichloropropane	< 4.19	ug/Kg		1/4/2017 21:02
1,3,5-Trimethylbenzene	< 4.19	ug/Kg		1/4/2017 21:02
1,3-Dichlorobenzene	< 4.19	ug/Kg		1/4/2017 21:02
1,4-Dichlorobenzene	< 4.19	ug/Kg		1/4/2017 21:02
1,4-dioxane	< 41.9	ug/Kg		1/4/2017 21:02
2-Butanone	< 21.0	ug/Kg		1/4/2017 21:02
2-Hexanone	< 10.5	ug/Kg		1/4/2017 21:02
4-Methyl-2-pentanone	< 10.5	ug/Kg		1/4/2017 21:02
Acetone	< 21.0	ug/Kg		1/4/2017 21:02
Benzene	< 4.19	ug/Kg		1/4/2017 21:02
Bromochloromethane	< 10.5	ug/Kg		1/4/2017 21:02
Bromodichloromethane	< 4.19	ug/Kg		1/4/2017 21:02
Bromoform	< 10.5	ug/Kg		1/4/2017 21:02
Bromomethane	< 4.19	ug/Kg		1/4/2017 21:02
Carbon disulfide	< 4.19	ug/Kg		1/4/2017 21:02

Report Prepared Monday, January 09, 2017

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 165593

Client: **C&S Companies**

Project Reference: 100 Dona Street

Sample Identifier: SS-5
Lab Sample ID: 165593-05
Matrix: Soil
Date Sampled: 12/28/2016
Date Received: 12/30/2016

Carbon Tetrachloride	< 4.19	ug/Kg	1/4/2017	21:02
Chlorobenzene	< 4.19	ug/Kg	1/4/2017	21:02
Chloroethane	< 4.19	ug/Kg	1/4/2017	21:02
Chloroform	< 4.19	ug/Kg	1/4/2017	21:02
Chloromethane	< 4.19	ug/Kg	1/4/2017	21:02
cis-1,2-Dichloroethene	< 4.19	ug/Kg	1/4/2017	21:02
cis-1,3-Dichloropropene	< 4.19	ug/Kg	1/4/2017	21:02
Cyclohexane	< 21.0	ug/Kg	1/4/2017	21:02
Dibromochloromethane	< 4.19	ug/Kg	1/4/2017	21:02
Dichlorodifluoromethane	< 4.19	ug/Kg	1/4/2017	21:02
Ethylbenzene	< 4.19	ug/Kg	1/4/2017	21:02
Freon 113	< 4.19	ug/Kg	1/4/2017	21:02
Isopropylbenzene	< 4.19	ug/Kg	1/4/2017	21:02
m,p-Xylene	< 4.19	ug/Kg	1/4/2017	21:02
Methyl acetate	< 4.19	ug/Kg	1/4/2017	21:02
Methyl tert-butyl Ether	< 4.19	ug/Kg	1/4/2017	21:02
Methylcyclohexane	< 4.19	ug/Kg	1/4/2017	21:02
Methylene chloride	< 10.5	ug/Kg	1/4/2017	21:02
Naphthalene	< 10.5	ug/Kg	1/4/2017	21:02
n-Butylbenzene	< 4.19	ug/Kg	1/4/2017	21:02
n-Propylbenzene	< 4.19	ug/Kg	1/4/2017	21:02
o-Xylene	< 4.19	ug/Kg	1/4/2017	21:02
p-Isopropyltoluene	< 4.19	ug/Kg	1/4/2017	21:02
sec-Butylbenzene	< 4.19	ug/Kg	1/4/2017	21:02
Styrene	< 10.5	ug/Kg	1/4/2017	21:02
tert-Butylbenzene	< 4.19	ug/Kg	1/4/2017	21:02
Tetrachloroethene	< 4.19	ug/Kg	1/4/2017	21:02
Toluene	< 4.19	ug/Kg	1/4/2017	21:02
trans-1,2-Dichloroethene	< 4.19	ug/Kg	1/4/2017	21:02
trans-1,3-Dichloropropene	< 4.19	ug/Kg	1/4/2017	21:02

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 165593

Client: **C&S Companies**

Project Reference: 100 Dona Street

Sample Identifier: SS-5
Lab Sample ID: 165593-05 **Date Sampled:** 12/28/2016
Matrix: Soil **Date Received:** 12/30/2016

Trichloroethene	< 4.19	ug/Kg			1/4/2017 21:02
Trichlorofluoromethane	< 4.19	ug/Kg			1/4/2017 21:02
Vinyl chloride	< 4.19	ug/Kg			1/4/2017 21:02

Surrogate	Percent Recovery	Limits	Outliers	Date Analyzed
1,2-Dichloroethane-d4	**105**	82 - 124		1/4/2017 21:02
4-Bromofluorobenzene	**76.2**	80.5 - 116	*	1/4/2017 21:02
Pentafluorobenzene	**98.2**	88.7 - 112		1/4/2017 21:02
Toluene-D8	**92.7**	79.1 - 120		1/4/2017 21:02

Internal standard outliers indicate probable matrix interference

Method Reference(s): EPA 8260C
EPA 5035A - L

Data File: x38289.D

This sample was not collected following SW846 5035A specifications. Accordingly, any Volatiles soil results that are less than 200 ug/Kg, including Non Detects, may be biased low, per ELAP method 5035 guidance document from 11/15/2012.

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 165593

Client: **C&S Companies**

Project Reference: 100 Dona Street

Sample Identifier:	SS-6		
Lab Sample ID:	165593-06	**Date Sampled:**	12/28/2016
Matrix:	Soil	**Date Received:**	12/30/2016

Metals

Analyte	Result	Units	Qualifier	Date Analyzed
Arsenic	**8.84**	mg/Kg		1/4/2017 17:04
Barium	**47.5**	mg/Kg		1/4/2017 17:04
Beryllium	**0.443**	mg/Kg		1/4/2017 17:04
Cadmium	**1.30**	mg/Kg		1/4/2017 17:04
Chromium	**33.3**	mg/Kg		1/4/2017 17:04
Copper	**29.8**	mg/Kg		1/4/2017 17:04
Lead	**104**	mg/Kg		1/4/2017 17:04
Manganese	**1110**	mg/Kg		1/4/2017 18:30
Nickel	**16.5**	mg/Kg		1/4/2017 17:04
Selenium	**0.910**	mg/Kg		1/4/2017 17:04
Silver	< 0.596	mg/Kg		1/4/2017 17:04
Zinc	**268**	mg/Kg		1/4/2017 17:04

Method Reference(s): EPA 6010C
EPA 3050B
Preparation Date: 1/3/2017
Data File: 010317b

Report Prepared Monday, January 09, 2017

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 165593

Client: **C&S Companies**

Project Reference: 100 Dona Street

Sample Identifier:	SS-6		
Lab Sample ID:	165593-06	**Date Sampled:**	12/28/2016
Matrix:	Soil	**Date Received:**	12/30/2016

Mercury

Analyte	Result	Units	Qualifier	Date Analyzed
Mercury	**0.0736**	mg/Kg		1/3/2017 16:47

Method Reference(s): EPA 7471B
Preparation Date: 1/3/2017
Data File: Hg170103A

FINAL

This report is part of a multipage document and should only be evaluated in its entirety. The Chain of Custody provides additional sample information, including compliance with the sample condition requirements upon receipt.

Report Prepared Monday, January 09, 2017

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 165593

Client: **C&S Companies**

Project Reference: 100 Dona Street

Sample Identifier: SS-6
Lab Sample ID: 165593-06 **Date Sampled:** 12/28/2016
Matrix: Soil **Date Received:** 12/30/2016

PCBs

Analyte	Result	Units	Qualifier	Date Analyzed
PCB-1016	< 0.0376	mg/Kg		1/5/2017 16:33
PCB-1221	< 0.0376	mg/Kg		1/5/2017 16:33
PCB-1232	< 0.0376	mg/Kg		1/5/2017 16:33
PCB-1242	< 0.0376	mg/Kg		1/5/2017 16:33
PCB-1248	< 0.0376	mg/Kg		1/5/2017 16:33
PCB-1254	< 0.0376	mg/Kg		1/5/2017 16:33
PCB-1260	< 0.0376	mg/Kg		1/5/2017 16:33
PCB-1262	< 0.0376	mg/Kg		1/5/2017 16:33
PCB-1268	< 0.0376	mg/Kg		1/5/2017 16:33

Surrogate	Percent Recovery	Limits	Outliers	Date Analyzed
Decachlorobiphenyl	**51.7**	10 - 144		1/5/2017 16:33
Tetrachloro-m-xylene	**30.6**	10 - 140		1/5/2017 16:33

Method Reference(s): EPA 8082A
EPA 3550C
Preparation Date: 1/4/2017

Report Prepared Monday, January 09, 2017

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 165593

Client: **C&S Companies**

Project Reference: 100 Dona Street

Sample Identifier: SS-6
Lab Sample ID: 165593-06 **Date Sampled:** 12/28/2016
Matrix: Soil **Date Received:** 12/30/2016

Semi-Volatile Organics (Acid/Base Neutrals)

Analyte	Result	Units	Qualifier	Date Analyzed
1,1-Biphenyl	< 385	ug/Kg		1/5/2017 00:54
1,2,4,5-Tetrachlorobenzene	< 385	ug/Kg		1/5/2017 00:54
1,2,4-Trichlorobenzene	< 385	ug/Kg		1/5/2017 00:54
1,2-Dichlorobenzene	< 385	ug/Kg		1/5/2017 00:54
1,3-Dichlorobenzene	< 385	ug/Kg		1/5/2017 00:54
1,4-Dichlorobenzene	< 385	ug/Kg		1/5/2017 00:54
2,2-Oxybis (1-chloropropane)	< 385	ug/Kg		1/5/2017 00:54
2,3,4,6-Tetrachlorophenol	< 385	ug/Kg		1/5/2017 00:54
2,4,5-Trichlorophenol	< 770	ug/Kg		1/5/2017 00:54
2,4,6-Trichlorophenol	< 385	ug/Kg		1/5/2017 00:54
2,4-Dichlorophenol	< 385	ug/Kg		1/5/2017 00:54
2,4-Dimethylphenol	< 385	ug/Kg		1/5/2017 00:54
2,4-Dinitrophenol	< 770	ug/Kg		1/5/2017 00:54
2,4-Dinitrotoluene	< 385	ug/Kg		1/5/2017 00:54
2,6-Dinitrotoluene	< 385	ug/Kg		1/5/2017 00:54
2-Chloronaphthalene	< 385	ug/Kg		1/5/2017 00:54
2-Chlorophenol	< 385	ug/Kg		1/5/2017 00:54
2-Methylnapthalene	< 385	ug/Kg		1/5/2017 00:54
2-Methylphenol	< 385	ug/Kg		1/5/2017 00:54
2-Nitroaniline	< 770	ug/Kg		1/5/2017 00:54
2-Nitrophenol	< 385	ug/Kg		1/5/2017 00:54
3&4-Methylphenol	< 385	ug/Kg		1/5/2017 00:54
3,3'-Dichlorobenzidine	< 385	ug/Kg		1/5/2017 00:54
3-Nitroaniline	< 770	ug/Kg		1/5/2017 00:54
4,6-Dinitro-2-methylphenol	< 770	ug/Kg		1/5/2017 00:54
4-Bromophenyl phenyl ether	< 385	ug/Kg		1/5/2017 00:54
4-Chloro-3-methylphenol	< 385	ug/Kg		1/5/2017 00:54

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 165593

Client: **C&S Companies**

Project Reference: 100 Dona Street

Sample Identifier: SS-6
Lab Sample ID: 165593-06
Matrix: Soil
Date Sampled: 12/28/2016
Date Received: 12/30/2016

4-Chloroaniline	< 385	ug/Kg		1/5/2017	00:54
4-Chlorophenyl phenyl ether	< 385	ug/Kg		1/5/2017	00:54
4-Nitroaniline	< 770	ug/Kg		1/5/2017	00:54
4-Nitrophenol	< 770	ug/Kg		1/5/2017	00:54
Acenaphthene	< 385	ug/Kg		1/5/2017	00:54
Acenaphthylene	< 385	ug/Kg		1/5/2017	00:54
Acetophenone	< 385	ug/Kg		1/5/2017	00:54
Anthracene	< 385	ug/Kg		1/5/2017	00:54
Atrazine	< 385	ug/Kg		1/5/2017	00:54
Benzaldehyde	< 385	ug/Kg		1/5/2017	00:54
Benzo (a) anthracene	**513**	ug/Kg		1/5/2017	00:54
Benzo (a) pyrene	**478**	ug/Kg		1/5/2017	00:54
Benzo (b) fluoranthene	**492**	ug/Kg		1/5/2017	00:54
Benzo (g,h,i) perylene	**318**	ug/Kg	J	1/5/2017	00:54
Benzo (k) fluoranthene	**406**	ug/Kg		1/5/2017	00:54
Bis (2-chloroethoxy) methane	< 385	ug/Kg		1/5/2017	00:54
Bis (2-chloroethyl) ether	< 385	ug/Kg		1/5/2017	00:54
Bis (2-ethylhexyl) phthalate	< 385	ug/Kg		1/5/2017	00:54
Butylbenzylphthalate	< 385	ug/Kg		1/5/2017	00:54
Caprolactam	< 385	ug/Kg		1/5/2017	00:54
Carbazole	< 385	ug/Kg		1/5/2017	00:54
Chrysene	**625**	ug/Kg		1/5/2017	00:54
Dibenz (a,h) anthracene	< 385	ug/Kg		1/5/2017	00:54
Dibenzofuran	< 385	ug/Kg		1/5/2017	00:54
Diethyl phthalate	< 385	ug/Kg		1/5/2017	00:54
Dimethyl phthalate	< 770	ug/Kg		1/5/2017	00:54
Di-n-butyl phthalate	< 385	ug/Kg		1/5/2017	00:54
Di-n-octylphthalate	< 385	ug/Kg		1/5/2017	00:54
Fluoranthene	**1140**	ug/Kg		1/5/2017	00:54
Fluorene	< 385	ug/Kg		1/5/2017	00:54

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 165593

Client: **C&S Companies**

Project Reference: 100 Dona Street

Sample Identifier: SS-6
Lab Sample ID: 165593-06 **Date Sampled:** 12/28/2016
Matrix: Soil **Date Received:** 12/30/2016

Hexachlorobenzene	< 385	ug/Kg		1/5/2017	00:54
Hexachlorobutadiene	< 385	ug/Kg		1/5/2017	00:54
Hexachlorocyclopentadiene	< 385	ug/Kg		1/5/2017	00:54
Hexachloroethane	< 385	ug/Kg		1/5/2017	00:54
Indeno (1,2,3-cd) pyrene	**227**	ug/Kg	J	1/5/2017	00:54
Isophorone	< 385	ug/Kg		1/5/2017	00:54
Naphthalene	< 385	ug/Kg		1/5/2017	00:54
Nitrobenzene	< 385	ug/Kg		1/5/2017	00:54
N-Nitroso-di-n-propylamine	< 385	ug/Kg		1/5/2017	00:54
N-Nitrosodiphenylamine	< 385	ug/Kg		1/5/2017	00:54
Pentachlorophenol	< 770	ug/Kg		1/5/2017	00:54
Phenanthrene	**627**	ug/Kg		1/5/2017	00:54
Phenol	< 385	ug/Kg		1/5/2017	00:54
Pyrene	**890**	ug/Kg		1/5/2017	00:54

Surrogate	Percent Recovery	Limits	Outliers	Date Analyzed	
2,4,6-Tribromophenol	**60.9**	38 - 114		1/5/2017	00:54
2-Fluorobiphenyl	**40.1**	25 - 105		1/5/2017	00:54
2-Fluorophenol	**39.9**	30.8 - 84		1/5/2017	00:54
Nitrobenzene-d5	**38.6**	28.5 - 84.9		1/5/2017	00:54
Phenol-d5	**41.3**	32.5 - 89.6		1/5/2017	00:54
Terphenyl-d14	**60.4**	55.5 - 117		1/5/2017	00:54

Method Reference(s): EPA 8270D
EPA 3550C
Preparation Date: 1/4/2017
Data File: B16341.D

Report Prepared Monday, January 09, 2017

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 165593

Client: **C&S Companies**

Project Reference: 100 Dona Street

Sample Identifier: SS-6
Lab Sample ID: 165593-06 **Date Sampled:** 12/28/2016
Matrix: Soil **Date Received:** 12/30/2016

Volatile Organics

Analyte	Result	Units	Qualifier	Date Analyzed
1,1,1-Trichloroethane	< 4.48	ug/Kg		1/4/2017 20:38
1,1,2,2-Tetrachloroethane	< 4.48	ug/Kg		1/4/2017 20:38
1,1,2-Trichloroethane	< 4.48	ug/Kg		1/4/2017 20:38
1,1-Dichloroethane	< 4.48	ug/Kg		1/4/2017 20:38
1,1-Dichloroethene	< 4.48	ug/Kg		1/4/2017 20:38
1,2,3-Trichlorobenzene	< 11.2	ug/Kg		1/4/2017 20:38
1,2,4-Trichlorobenzene	< 11.2	ug/Kg		1/4/2017 20:38
1,2,4-Trimethylbenzene	< 4.48	ug/Kg		1/4/2017 20:38
1,2-Dibromo-3-Chloropropane	< 22.4	ug/Kg		1/4/2017 20:38
1,2-Dibromoethane	< 4.48	ug/Kg		1/4/2017 20:38
1,2-Dichlorobenzene	< 4.48	ug/Kg		1/4/2017 20:38
1,2-Dichloroethane	< 4.48	ug/Kg		1/4/2017 20:38
1,2-Dichloropropane	< 4.48	ug/Kg		1/4/2017 20:38
1,3,5-Trimethylbenzene	< 4.48	ug/Kg		1/4/2017 20:38
1,3-Dichlorobenzene	< 4.48	ug/Kg		1/4/2017 20:38
1,4-Dichlorobenzene	< 4.48	ug/Kg		1/4/2017 20:38
1,4-dioxane	< 44.8	ug/Kg		1/4/2017 20:38
2-Butanone	< 22.4	ug/Kg		1/4/2017 20:38
2-Hexanone	< 11.2	ug/Kg		1/4/2017 20:38
4-Methyl-2-pentanone	< 11.2	ug/Kg		1/4/2017 20:38
Acetone	< 22.4	ug/Kg		1/4/2017 20:38
Benzene	< 4.48	ug/Kg		1/4/2017 20:38
Bromochloromethane	< 11.2	ug/Kg		1/4/2017 20:38
Bromodichloromethane	< 4.48	ug/Kg		1/4/2017 20:38
Bromoform	< 11.2	ug/Kg		1/4/2017 20:38
Bromomethane	< 4.48	ug/Kg		1/4/2017 20:38
Carbon disulfide	< 4.48	ug/Kg		1/4/2017 20:38

Report Prepared Monday, January 09, 2017

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 165593

Client: **C&S Companies**

Project Reference: 100 Dona Street

Sample Identifier: SS-6
Lab Sample ID: 165593-06
Matrix: Soil
Date Sampled: 12/28/2016
Date Received: 12/30/2016

Carbon Tetrachloride	< 4.48	ug/Kg	1/4/2017	20:38
Chlorobenzene	< 4.48	ug/Kg	1/4/2017	20:38
Chloroethane	< 4.48	ug/Kg	1/4/2017	20:38
Chloroform	< 4.48	ug/Kg	1/4/2017	20:38
Chloromethane	< 4.48	ug/Kg	1/4/2017	20:38
cis-1,2-Dichloroethene	< 4.48	ug/Kg	1/4/2017	20:38
cis-1,3-Dichloropropene	< 4.48	ug/Kg	1/4/2017	20:38
Cyclohexane	< 22.4	ug/Kg	1/4/2017	20:38
Dibromochloromethane	< 4.48	ug/Kg	1/4/2017	20:38
Dichlorodifluoromethane	< 4.48	ug/Kg	1/4/2017	20:38
Ethylbenzene	< 4.48	ug/Kg	1/4/2017	20:38
Freon 113	< 4.48	ug/Kg	1/4/2017	20:38
Isopropylbenzene	< 4.48	ug/Kg	1/4/2017	20:38
m,p-Xylene	< 4.48	ug/Kg	1/4/2017	20:38
Methyl acetate	< 4.48	ug/Kg	1/4/2017	20:38
Methyl tert-butyl Ether	< 4.48	ug/Kg	1/4/2017	20:38
Methylcyclohexane	< 4.48	ug/Kg	1/4/2017	20:38
Methylene chloride	< 11.2	ug/Kg	1/4/2017	20:38
Naphthalene	< 11.2	ug/Kg	1/4/2017	20:38
n-Butylbenzene	< 4.48	ug/Kg	1/4/2017	20:38
n-Propylbenzene	< 4.48	ug/Kg	1/4/2017	20:38
o-Xylene	< 4.48	ug/Kg	1/4/2017	20:38
p-Isopropyltoluene	< 4.48	ug/Kg	1/4/2017	20:38
sec-Butylbenzene	< 4.48	ug/Kg	1/4/2017	20:38
Styrene	< 11.2	ug/Kg	1/4/2017	20:38
tert-Butylbenzene	< 4.48	ug/Kg	1/4/2017	20:38
Tetrachloroethene	< 4.48	ug/Kg	1/4/2017	20:38
Toluene	< 4.48	ug/Kg	1/4/2017	20:38
trans-1,2-Dichloroethene	< 4.48	ug/Kg	1/4/2017	20:38
trans-1,3-Dichloropropene	< 4.48	ug/Kg	1/4/2017	20:38

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 165593

Client: **C&S Companies**

Project Reference: 100 Dona Street

Sample Identifier: SS-6
Lab Sample ID: 165593-06 **Date Sampled:** 12/28/2016
Matrix: Soil **Date Received:** 12/30/2016

Trichloroethene	< 4.48	ug/Kg		1/4/2017	20:38
Trichlorofluoromethane	< 4.48	ug/Kg		1/4/2017	20:38
Vinyl chloride	< 4.48	ug/Kg		1/4/2017	20:38

Surrogate	Percent Recovery	Limits	Outliers	Date Analyzed	
1,2-Dichloroethane-d4	**106**	82 - 124		1/4/2017	20:38
4-Bromofluorobenzene	**80.3**	80.5 - 116	*	1/4/2017	20:38
Pentafluorobenzene	**97.7**	88.7 - 112		1/4/2017	20:38
Toluene-D8	**94.3**	79.1 - 120		1/4/2017	20:38

Internal standard outliers indicate probable matrix interference

Method Reference(s): EPA 8260C
EPA 5035A - L

Data File: x38288.D

This sample was not collected following SW846 5035A specifications. Accordingly, any Volatiles soil results that are less than 200 ug/Kg, including Non Detects, may be biased low, per ELAP method 5035 guidance document from 11/15/2012.

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 165593

Client: **C&S Companies**

Project Reference: 100 Dona Street

Sample Identifier:	SS-7		
Lab Sample ID:	165593-07	**Date Sampled:**	12/28/2016
Matrix:	Soil	**Date Received:**	12/30/2016

Mercury

Analyte	Result	Units	Qualifier	Date Analyzed
Mercury	**0.0825**	mg/Kg		1/3/2017 16:50

Method Reference(s): EPA 7471B
Preparation Date: 1/3/2017
Data File: Hg170103A

FINAL

Report Prepared Monday, January 09, 2017

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 165593

Client: **C&S Companies**

Project Reference: 100 Dona Street

Sample Identifier: SS-7
Lab Sample ID: 165593-07 **Date Sampled:** 12/28/2016
Matrix: Soil **Date Received:** 12/30/2016

TAL Metals (ICP)

Analyte	Result	Units	Qualifier	Date Analyzed
Aluminum	**7660**	mg/Kg		1/4/2017 17:08
Antimony	< 3.78	mg/Kg		1/4/2017 17:08
Arsenic	**8.87**	mg/Kg		1/4/2017 17:08
Barium	**50.9**	mg/Kg		1/4/2017 17:08
Beryllium	**0.443**	mg/Kg		1/4/2017 17:08
Cadmium	**1.54**	mg/Kg		1/4/2017 17:08
Calcium	**12500**	mg/Kg		1/3/2017 19:08
Chromium	**33.1**	mg/Kg		1/4/2017 17:08
Cobalt	**5.60**	mg/Kg		1/4/2017 17:08
Copper	**30.4**	mg/Kg		1/4/2017 17:08
Iron	**20900**	mg/Kg		1/4/2017 17:08
Lead	**124**	mg/Kg		1/4/2017 17:08
Magnesium	**3560**	mg/Kg		1/4/2017 17:08
Manganese	**1010**	mg/Kg		1/4/2017 18:34
Nickel	**17.8**	mg/Kg		1/4/2017 17:08
Potassium	**955**	mg/Kg		1/4/2017 17:08
Selenium	< 0.630	mg/Kg		1/3/2017 19:08
Silver	< 0.630	mg/Kg		1/4/2017 17:08
Sodium	< 157	mg/Kg		1/4/2017 17:08
Thallium	< 1.57	mg/Kg		1/4/2017 17:08
Vanadium	**26.7**	mg/Kg		1/4/2017 17:08
Zinc	**329**	mg/Kg		1/4/2017 17:08

Method Reference(s): EPA 6010C
EPA 3050B
Preparation Date: 1/3/2017
Data File: 010317b

Report Prepared Monday, January 09, 2017

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 165593

Client: **C&S Companies**

Project Reference: 100 Dona Street

Sample Identifier: SS-7
Lab Sample ID: 165593-07 **Date Sampled:** 12/28/2016
Matrix: Soil **Date Received:** 12/30/2016

PCBs

Analyte	Result	Units	Qualifier	Date Analyzed
PCB-1016	< 0.0377	mg/Kg		1/5/2017 16:56
PCB-1221	< 0.0377	mg/Kg		1/5/2017 16:56
PCB-1232	< 0.0377	mg/Kg		1/5/2017 16:56
PCB-1242	< 0.0377	mg/Kg		1/5/2017 16:56
PCB-1248	< 0.0377	mg/Kg		1/5/2017 16:56
PCB-1254	< 0.0377	mg/Kg		1/5/2017 16:56
PCB-1260	< 0.0377	mg/Kg		1/5/2017 16:56
PCB-1262	< 0.0377	mg/Kg		1/5/2017 16:56
PCB-1268	< 0.0377	mg/Kg		1/5/2017 16:56

Surrogate	Percent Recovery	Limits	Outliers	Date Analyzed
Decachlorobiphenyl	**31.1**	10 - 144		1/5/2017 16:56
Tetrachloro-m-xylene	**21.9**	10 - 140		1/5/2017 16:56

Method Reference(s): EPA 8082A
EPA 3550C
Preparation Date: 1/4/2017

Report Prepared Monday, January 09, 2017

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 165593

Client: **C&S Companies**

Project Reference: 100 Dona Street

Sample Identifier: SS-7
Lab Sample ID: 165593-07 **Date Sampled:** 12/28/2016
Matrix: Soil **Date Received:** 12/30/2016

Semi-Volatile Organics (Acid/Base Neutrals)

Analyte	Result	Units	Qualifier	Date Analyzed
1,1-Biphenyl	< 375	ug/Kg		1/5/2017 01:23
1,2,4,5-Tetrachlorobenzene	< 375	ug/Kg		1/5/2017 01:23
1,2,4-Trichlorobenzene	< 375	ug/Kg		1/5/2017 01:23
1,2-Dichlorobenzene	< 375	ug/Kg		1/5/2017 01:23
1,3-Dichlorobenzene	< 375	ug/Kg		1/5/2017 01:23
1,4-Dichlorobenzene	< 375	ug/Kg		1/5/2017 01:23
2,2-Oxybis (1-chloropropane)	< 375	ug/Kg		1/5/2017 01:23
2,3,4,6-Tetrachlorophenol	< 375	ug/Kg		1/5/2017 01:23
2,4,5-Trichlorophenol	< 750	ug/Kg		1/5/2017 01:23
2,4,6-Trichlorophenol	< 375	ug/Kg		1/5/2017 01:23
2,4-Dichlorophenol	< 375	ug/Kg		1/5/2017 01:23
2,4-Dimethylphenol	< 375	ug/Kg		1/5/2017 01:23
2,4-Dinitrophenol	< 750	ug/Kg		1/5/2017 01:23
2,4-Dinitrotoluene	< 375	ug/Kg		1/5/2017 01:23
2,6-Dinitrotoluene	< 375	ug/Kg		1/5/2017 01:23
2-Chloronaphthalene	< 375	ug/Kg		1/5/2017 01:23
2-Chlorophenol	< 375	ug/Kg		1/5/2017 01:23
2-Methylnapthalene	< 375	ug/Kg		1/5/2017 01:23
2-Methylphenol	< 375	ug/Kg		1/5/2017 01:23
2-Nitroaniline	< 750	ug/Kg		1/5/2017 01:23
2-Nitrophenol	< 375	ug/Kg		1/5/2017 01:23
3&4-Methylphenol	< 375	ug/Kg		1/5/2017 01:23
3,3'-Dichlorobenzidine	< 375	ug/Kg		1/5/2017 01:23
3-Nitroaniline	< 750	ug/Kg		1/5/2017 01:23
4,6-Dinitro-2-methylphenol	< 750	ug/Kg		1/5/2017 01:23
4-Bromophenyl phenyl ether	< 375	ug/Kg		1/5/2017 01:23
4-Chloro-3-methylphenol	< 375	ug/Kg		1/5/2017 01:23

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 165593

Client: **C&S Companies**

Project Reference: 100 Dona Street

Sample Identifier: SS-7
Lab Sample ID: 165593-07
Matrix: Soil
Date Sampled: 12/28/2016
Date Received: 12/30/2016

4-Chloroaniline	< 375	ug/Kg		1/5/2017	01:23
4-Chlorophenyl phenyl ether	< 375	ug/Kg		1/5/2017	01:23
4-Nitroaniline	< 750	ug/Kg		1/5/2017	01:23
4-Nitrophenol	< 750	ug/Kg		1/5/2017	01:23
Acenaphthene	< 375	ug/Kg		1/5/2017	01:23
Acenaphthylene	< 375	ug/Kg		1/5/2017	01:23
Acetophenone	< 375	ug/Kg		1/5/2017	01:23
Anthracene	< 375	ug/Kg		1/5/2017	01:23
Atrazine	< 375	ug/Kg		1/5/2017	01:23
Benzaldehyde	< 375	ug/Kg		1/5/2017	01:23
Benzo (a) anthracene	**320**	ug/Kg	J	1/5/2017	01:23
Benzo (a) pyrene	**317**	ug/Kg	J	1/5/2017	01:23
Benzo (b) fluoranthene	**340**	ug/Kg	J	1/5/2017	01:23
Benzo (g,h,i) perylene	**221**	ug/Kg	J	1/5/2017	01:23
Benzo (k) fluoranthene	**244**	ug/Kg	J	1/5/2017	01:23
Bis (2-chloroethoxy) methane	< 375	ug/Kg		1/5/2017	01:23
Bis (2-chloroethyl) ether	< 375	ug/Kg		1/5/2017	01:23
Bis (2-ethylhexyl) phthalate	< 375	ug/Kg		1/5/2017	01:23
Butylbenzylphthalate	< 375	ug/Kg		1/5/2017	01:23
Caprolactam	< 375	ug/Kg		1/5/2017	01:23
Carbazole	< 375	ug/Kg		1/5/2017	01:23
Chrysene	**384**	ug/Kg		1/5/2017	01:23
Dibenz (a,h) anthracene	< 375	ug/Kg		1/5/2017	01:23
Dibenzofuran	< 375	ug/Kg		1/5/2017	01:23
Diethyl phthalate	< 375	ug/Kg		1/5/2017	01:23
Dimethyl phthalate	< 750	ug/Kg		1/5/2017	01:23
Di-n-butyl phthalate	< 375	ug/Kg		1/5/2017	01:23
Di-n-octylphthalate	< 375	ug/Kg		1/5/2017	01:23
Fluoranthene	**715**	ug/Kg		1/5/2017	01:23
Fluorene	< 375	ug/Kg		1/5/2017	01:23

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 165593

Client: **C&S Companies**

Project Reference: 100 Dona Street

Sample Identifier: SS-7
Lab Sample ID: 165593-07 **Date Sampled:** 12/28/2016
Matrix: Soil **Date Received:** 12/30/2016

Hexachlorobenzene	< 375	ug/Kg		1/5/2017	01:23
Hexachlorobutadiene	< 375	ug/Kg		1/5/2017	01:23
Hexachlorocyclopentadiene	< 375	ug/Kg		1/5/2017	01:23
Hexachloroethane	< 375	ug/Kg		1/5/2017	01:23
Indeno (1,2,3-cd) pyrene	< 375	ug/Kg		1/5/2017	01:23
Isophorone	< 375	ug/Kg		1/5/2017	01:23
Naphthalene	< 375	ug/Kg		1/5/2017	01:23
Nitrobenzene	< 375	ug/Kg		1/5/2017	01:23
N-Nitroso-di-n-propylamine	< 375	ug/Kg		1/5/2017	01:23
N-Nitrosodiphenylamine	< 375	ug/Kg		1/5/2017	01:23
Pentachlorophenol	< 750	ug/Kg		1/5/2017	01:23
Phenanthrene	**360**	ug/Kg	J	1/5/2017	01:23
Phenol	< 375	ug/Kg		1/5/2017	01:23
Pyrene	**566**	ug/Kg		1/5/2017	01:23

Surrogate	Percent Recovery	Limits	Outliers	Date Analyzed	
2,4,6-Tribromophenol	**58.5**	38 - 114		1/5/2017	01:23
2-Fluorobiphenyl	**43.1**	25 - 105		1/5/2017	01:23
2-Fluorophenol	**42.2**	30.8 - 84		1/5/2017	01:23
Nitrobenzene-d5	**40.6**	28.5 - 84.9		1/5/2017	01:23
Phenol-d5	**43.5**	32.5 - 89.6		1/5/2017	01:23
Terphenyl-d14	**58.3**	55.5 - 117		1/5/2017	01:23

Method Reference(s): EPA 8270D
EPA 3550C
Preparation Date: 1/4/2017
Data File: B16342.D

Report Prepared Monday, January 09, 2017

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 165593

Client: **C&S Companies**

Project Reference: 100 Dona Street

Sample Identifier: SS-7
Lab Sample ID: 165593-07 **Date Sampled:** 12/28/2016
Matrix: Soil **Date Received:** 12/30/2016

Volatile Organics

Analyte	Result	Units	Qualifier	Date Analyzed
1,1,1-Trichloroethane	< 4.60	ug/Kg		1/4/2017 20:13
1,1,2,2-Tetrachloroethane	< 4.60	ug/Kg		1/4/2017 20:13
1,1,2-Trichloroethane	< 4.60	ug/Kg		1/4/2017 20:13
1,1-Dichloroethane	< 4.60	ug/Kg		1/4/2017 20:13
1,1-Dichloroethene	< 4.60	ug/Kg		1/4/2017 20:13
1,2,3-Trichlorobenzene	< 11.5	ug/Kg		1/4/2017 20:13
1,2,4-Trichlorobenzene	< 11.5	ug/Kg		1/4/2017 20:13
1,2-Dibromo-3-Chloropropane	< 23.0	ug/Kg		1/4/2017 20:13
1,2-Dibromoethane	< 4.60	ug/Kg		1/4/2017 20:13
1,2-Dichlorobenzene	< 4.60	ug/Kg		1/4/2017 20:13
1,2-Dichloroethane	< 4.60	ug/Kg		1/4/2017 20:13
1,2-Dichloropropane	< 4.60	ug/Kg		1/4/2017 20:13
1,3-Dichlorobenzene	< 4.60	ug/Kg		1/4/2017 20:13
1,4-Dichlorobenzene	< 4.60	ug/Kg		1/4/2017 20:13
1,4-dioxane	< 46.0	ug/Kg		1/4/2017 20:13
2-Butanone	< 23.0	ug/Kg		1/4/2017 20:13
2-Hexanone	< 11.5	ug/Kg		1/4/2017 20:13
4-Methyl-2-pentanone	< 11.5	ug/Kg		1/4/2017 20:13
Acetone	< 23.0	ug/Kg		1/4/2017 20:13
Benzene	< 4.60	ug/Kg		1/4/2017 20:13
Bromochloromethane	< 11.5	ug/Kg		1/4/2017 20:13
Bromodichloromethane	< 4.60	ug/Kg		1/4/2017 20:13
Bromoform	< 11.5	ug/Kg		1/4/2017 20:13
Bromomethane	< 4.60	ug/Kg		1/4/2017 20:13
Carbon disulfide	< 4.60	ug/Kg		1/4/2017 20:13
Carbon Tetrachloride	< 4.60	ug/Kg		1/4/2017 20:13
Chlorobenzene	< 4.60	ug/Kg		1/4/2017 20:13

Report Prepared Monday, January 09, 2017

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 165593

Client: **C&S Companies**

Project Reference: 100 Dona Street

Sample Identifier: SS-7
Lab Sample ID: 165593-07
Matrix: Soil
Date Sampled: 12/28/2016
Date Received: 12/30/2016

Chloroethane	< 4.60	ug/Kg	1/4/2017	20:13
Chloroform	< 4.60	ug/Kg	1/4/2017	20:13
Chloromethane	< 4.60	ug/Kg	1/4/2017	20:13
cis-1,2-Dichloroethene	< 4.60	ug/Kg	1/4/2017	20:13
cis-1,3-Dichloropropene	< 4.60	ug/Kg	1/4/2017	20:13
Cyclohexane	< 23.0	ug/Kg	1/4/2017	20:13
Dibromochloromethane	< 4.60	ug/Kg	1/4/2017	20:13
Dichlorodifluoromethane	< 4.60	ug/Kg	1/4/2017	20:13
Ethylbenzene	< 4.60	ug/Kg	1/4/2017	20:13
Freon 113	< 4.60	ug/Kg	1/4/2017	20:13
Isopropylbenzene	< 4.60	ug/Kg	1/4/2017	20:13
m,p-Xylene	< 4.60	ug/Kg	1/4/2017	20:13
Methyl acetate	< 4.60	ug/Kg	1/4/2017	20:13
Methyl tert-butyl Ether	< 4.60	ug/Kg	1/4/2017	20:13
Methylcyclohexane	< 4.60	ug/Kg	1/4/2017	20:13
Methylene chloride	< 11.5	ug/Kg	1/4/2017	20:13
o-Xylene	< 4.60	ug/Kg	1/4/2017	20:13
Styrene	< 11.5	ug/Kg	1/4/2017	20:13
Tetrachloroethene	< 4.60	ug/Kg	1/4/2017	20:13
Toluene	< 4.60	ug/Kg	1/4/2017	20:13
trans-1,2-Dichloroethene	< 4.60	ug/Kg	1/4/2017	20:13
trans-1,3-Dichloropropene	< 4.60	ug/Kg	1/4/2017	20:13
Trichloroethene	< 4.60	ug/Kg	1/4/2017	20:13
Trichlorofluoromethane	< 4.60	ug/Kg	1/4/2017	20:13
Vinyl chloride	< 4.60	ug/Kg	1/4/2017	20:13

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 165593

Client: **C&S Companies**

Project Reference: 100 Dona Street

Sample Identifier: SS-7
Lab Sample ID: 165593-07 **Date Sampled:** 12/28/2016
Matrix: Soil **Date Received:** 12/30/2016

Surrogate	Percent Recovery	Limits	Outliers	Date Analyzed	
1,2-Dichloroethane-d4	**105**	82 - 124		1/4/2017	20:13
4-Bromofluorobenzene	**82.1**	80.5 - 116		1/4/2017	20:13
Pentafluorobenzene	**98.7**	88.7 - 112		1/4/2017	20:13
Toluene-D8	**94.9**	79.1 - 120		1/4/2017	20:13

Internal standard outliers indicate probable matrix interference

Method Reference(s): EPA 8260C
EPA 5035A - L

Data File: x38287.D

This sample was not collected following SW846 5035A specifications. Accordingly, any Volatiles soil results that are less than 200 ug/Kg, including Non Detects, may be biased low, per ELAP method 5035 guidance document from 11/15/2012.

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 165593

Client: **C&S Companies**

Project Reference: 100 Dona Street

Sample Identifier:	SS-8		
Lab Sample ID:	165593-08	**Date Sampled:**	12/28/2016
Matrix:	Soil	**Date Received:**	12/30/2016

Mercury

Analyte	Result	Units	Qualifier	Date Analyzed
Mercury	**0.0695**	mg/Kg		1/3/2017 16:54

Method Reference(s): EPA 7471B
Preparation Date: 1/3/2017
Data File: Hg170103A

FINAL

This report is part of a multipage document and should only be evaluated in its entirety. The Chain of Custody provides additional sample information, including compliance with the sample condition requirements upon receipt.

Report Prepared Monday, January 09, 2017

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 165593

Client: **C&S Companies**

Project Reference: 100 Dona Street

Sample Identifier: SS-8
Lab Sample ID: 165593-08 **Date Sampled:** 12/28/2016
Matrix: Soil **Date Received:** 12/30/2016

TAL Metals (ICP)

Analyte	Result	Units	Qualifier	Date Analyzed
Aluminum	**7050**	mg/Kg		1/4/2017 17:21
Antimony	< 4.00	mg/Kg		1/4/2017 17:21
Arsenic	**7.89**	mg/Kg		1/4/2017 17:21
Barium	**46.0**	mg/Kg		1/4/2017 17:21
Beryllium	**0.446**	mg/Kg		1/4/2017 17:21
Cadmium	**1.22**	mg/Kg		1/4/2017 17:21
Calcium	**28300**	mg/Kg		1/3/2017 19:21
Chromium	**29.2**	mg/Kg		1/4/2017 17:21
Cobalt	**5.45**	mg/Kg		1/4/2017 17:21
Copper	**30.0**	mg/Kg		1/4/2017 17:21
Iron	**20000**	mg/Kg		1/4/2017 17:21
Lead	**110**	mg/Kg		1/4/2017 17:21
Magnesium	**6100**	mg/Kg		1/4/2017 17:21
Manganese	**928**	mg/Kg		1/4/2017 18:38
Nickel	**17.1**	mg/Kg		1/4/2017 17:21
Potassium	**906**	mg/Kg		1/4/2017 17:21
Selenium	**2.14**	mg/Kg		1/5/2017 16:47
Silver	< 0.666	mg/Kg		1/4/2017 17:21
Sodium	**92.6**	mg/Kg	J	1/4/2017 17:21
Thallium	< 1.66	mg/Kg		1/4/2017 17:21
Vanadium	**24.1**	mg/Kg		1/4/2017 17:21
Zinc	**285**	mg/Kg		1/4/2017 17:21

Method Reference(s): EPA 6010C
EPA 3050B
Preparation Date: 1/3/2017
Data File: 010317b

Report Prepared Monday, January 09, 2017

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 165593

Client: **C&S Companies**

Project Reference: 100 Dona Street

Sample Identifier: SS-8
Lab Sample ID: 165593-08 **Date Sampled:** 12/28/2016
Matrix: Soil **Date Received:** 12/30/2016

PCBs

Analyte	Result	Units	Qualifier	Date Analyzed
PCB-1016	< 0.0395	mg/Kg		1/5/2017 17:18
PCB-1221	< 0.0395	mg/Kg		1/5/2017 17:18
PCB-1232	< 0.0395	mg/Kg		1/5/2017 17:18
PCB-1242	< 0.0395	mg/Kg		1/5/2017 17:18
PCB-1248	< 0.0395	mg/Kg		1/5/2017 17:18
PCB-1254	< 0.0395	mg/Kg		1/5/2017 17:18
PCB-1260	< 0.0395	mg/Kg		1/5/2017 17:18
PCB-1262	< 0.0395	mg/Kg		1/5/2017 17:18
PCB-1268	< 0.0395	mg/Kg		1/5/2017 17:18

Surrogate	Percent Recovery	Limits	Outliers	Date Analyzed
Decachlorobiphenyl	**42.4**	10 - 144		1/5/2017 17:18
Tetrachloro-m-xylene	**28.4**	10 - 140		1/5/2017 17:18

Method Reference(s): EPA 8082A
EPA 3550C
Preparation Date: 1/4/2017

Report Prepared Monday, January 09, 2017

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 165593

Client: **C&S Companies**

Project Reference: 100 Dona Street

Sample Identifier: SS-8
Lab Sample ID: 165593-08 **Date Sampled:** 12/28/2016
Matrix: Soil **Date Received:** 12/30/2016

Semi-Volatile Organics (Acid/Base Neutrals)

Analyte	Result	Units	Qualifier	Date Analyzed
1,1-Biphenyl	< 391	ug/Kg		1/5/2017 01:52
1,2,4,5-Tetrachlorobenzene	< 391	ug/Kg		1/5/2017 01:52
1,2,4-Trichlorobenzene	< 391	ug/Kg		1/5/2017 01:52
1,2-Dichlorobenzene	< 391	ug/Kg		1/5/2017 01:52
1,3-Dichlorobenzene	< 391	ug/Kg		1/5/2017 01:52
1,4-Dichlorobenzene	< 391	ug/Kg		1/5/2017 01:52
2,2-Oxybis (1-chloropropane)	< 391	ug/Kg		1/5/2017 01:52
2,3,4,6-Tetrachlorophenol	< 391	ug/Kg		1/5/2017 01:52
2,4,5-Trichlorophenol	< 783	ug/Kg		1/5/2017 01:52
2,4,6-Trichlorophenol	< 391	ug/Kg		1/5/2017 01:52
2,4-Dichlorophenol	< 391	ug/Kg		1/5/2017 01:52
2,4-Dimethylphenol	< 391	ug/Kg		1/5/2017 01:52
2,4-Dinitrophenol	< 783	ug/Kg		1/5/2017 01:52
2,4-Dinitrotoluene	< 391	ug/Kg		1/5/2017 01:52
2,6-Dinitrotoluene	< 391	ug/Kg		1/5/2017 01:52
2-Chloronaphthalene	< 391	ug/Kg		1/5/2017 01:52
2-Chlorophenol	< 391	ug/Kg		1/5/2017 01:52
2-Methylnapthalene	< 391	ug/Kg		1/5/2017 01:52
2-Methylphenol	< 391	ug/Kg		1/5/2017 01:52
2-Nitroaniline	< 783	ug/Kg		1/5/2017 01:52
2-Nitrophenol	< 391	ug/Kg		1/5/2017 01:52
3&4-Methylphenol	< 391	ug/Kg		1/5/2017 01:52
3,3'-Dichlorobenzidine	< 391	ug/Kg		1/5/2017 01:52
3-Nitroaniline	< 783	ug/Kg		1/5/2017 01:52
4,6-Dinitro-2-methylphenol	< 783	ug/Kg		1/5/2017 01:52
4-Bromophenyl phenyl ether	< 391	ug/Kg		1/5/2017 01:52
4-Chloro-3-methylphenol	< 391	ug/Kg		1/5/2017 01:52

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 165593

Client: **C&S Companies**

Project Reference: 100 Dona Street

Sample Identifier: SS-8
Lab Sample ID: 165593-08 **Date Sampled:** 12/28/2016
Matrix: Soil **Date Received:** 12/30/2016

4-Chloroaniline	< 391	ug/Kg		1/5/2017	01:52
4-Chlorophenyl phenyl ether	< 391	ug/Kg		1/5/2017	01:52
4-Nitroaniline	< 783	ug/Kg		1/5/2017	01:52
4-Nitrophenol	< 783	ug/Kg		1/5/2017	01:52
Acenaphthene	< 391	ug/Kg		1/5/2017	01:52
Acenaphthylene	< 391	ug/Kg		1/5/2017	01:52
Acetophenone	< 391	ug/Kg		1/5/2017	01:52
Anthracene	< 391	ug/Kg		1/5/2017	01:52
Atrazine	< 391	ug/Kg		1/5/2017	01:52
Benzaldehyde	< 391	ug/Kg		1/5/2017	01:52
Benzo (a) anthracene	**517**	ug/Kg		1/5/2017	01:52
Benzo (a) pyrene	**487**	ug/Kg		1/5/2017	01:52
Benzo (b) fluoranthene	**484**	ug/Kg		1/5/2017	01:52
Benzo (g,h,i) perylene	**344**	ug/Kg	J	1/5/2017	01:52
Benzo (k) fluoranthene	**390**	ug/Kg	J	1/5/2017	01:52
Bis (2-chloroethoxy) methane	< 391	ug/Kg		1/5/2017	01:52
Bis (2-chloroethyl) ether	< 391	ug/Kg		1/5/2017	01:52
Bis (2-ethylhexyl) phthalate	< 391	ug/Kg		1/5/2017	01:52
Butylbenzylphthalate	< 391	ug/Kg		1/5/2017	01:52
Caprolactam	< 391	ug/Kg		1/5/2017	01:52
Carbazole	< 391	ug/Kg		1/5/2017	01:52
Chrysene	**575**	ug/Kg		1/5/2017	01:52
Dibenz (a,h) anthracene	< 391	ug/Kg		1/5/2017	01:52
Dibenzofuran	< 391	ug/Kg		1/5/2017	01:52
Diethyl phthalate	< 391	ug/Kg		1/5/2017	01:52
Dimethyl phthalate	< 783	ug/Kg		1/5/2017	01:52
Di-n-butyl phthalate	< 391	ug/Kg		1/5/2017	01:52
Di-n-octylphthalate	< 391	ug/Kg		1/5/2017	01:52
Fluoranthene	**1220**	ug/Kg		1/5/2017	01:52
Fluorene	< 391	ug/Kg		1/5/2017	01:52

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 165593

Client: **C&S Companies**

Project Reference: 100 Dona Street

Sample Identifier: SS-8
Lab Sample ID: 165593-08 **Date Sampled:** 12/28/2016
Matrix: Soil **Date Received:** 12/30/2016

Hexachlorobenzene	< 391	ug/Kg		1/5/2017	01:52
Hexachlorobutadiene	< 391	ug/Kg		1/5/2017	01:52
Hexachlorocyclopentadiene	< 391	ug/Kg		1/5/2017	01:52
Hexachloroethane	< 391	ug/Kg		1/5/2017	01:52
Indeno (1,2,3-cd) pyrene	**231**	ug/Kg	J	1/5/2017	01:52
Isophorone	< 391	ug/Kg		1/5/2017	01:52
Naphthalene	< 391	ug/Kg		1/5/2017	01:52
Nitrobenzene	< 391	ug/Kg		1/5/2017	01:52
N-Nitroso-di-n-propylamine	< 391	ug/Kg		1/5/2017	01:52
N-Nitrosodiphenylamine	< 391	ug/Kg		1/5/2017	01:52
Pentachlorophenol	< 783	ug/Kg		1/5/2017	01:52
Phenanthrene	**707**	ug/Kg		1/5/2017	01:52
Phenol	< 391	ug/Kg		1/5/2017	01:52
Pyrene	**974**	ug/Kg		1/5/2017	01:52

Surrogate	Percent Recovery	Limits	Outliers	Date Analyzed	
2,4,6-Tribromophenol	**117**	38 - 114	*	1/5/2017	01:52
2-Fluorobiphenyl	**71.9**	25 - 105		1/5/2017	01:52
2-Fluorophenol	**69.2**	30.8 - 84		1/5/2017	01:52
Nitrobenzene-d5	**67.8**	28.5 - 84.9		1/5/2017	01:52
Phenol-d5	**72.6**	32.5 - 89.6		1/5/2017	01:52
Terphenyl-d14	**117**	55.5 - 117		1/5/2017	01:52

Method Reference(s): EPA 8270D
EPA 3550C
Preparation Date: 1/4/2017
Data File: B16343.D

Report Prepared Monday, January 09, 2017

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 165593

Client: **C&S Companies**

Project Reference: 100 Dona Street

Sample Identifier: SS-8
Lab Sample ID: 165593-08
Matrix: Soil
Date Sampled: 12/28/2016
Date Received: 12/30/2016

Volatile Organics

Analyte	Result	Units	Qualifier	Date Analyzed
1,1,1-Trichloroethane	< 4.29	ug/Kg		1/4/2017 19:49
1,1,2,2-Tetrachloroethane	< 4.29	ug/Kg		1/4/2017 19:49
1,1,2-Trichloroethane	< 4.29	ug/Kg		1/4/2017 19:49
1,1-Dichloroethane	< 4.29	ug/Kg		1/4/2017 19:49
1,1-Dichloroethene	< 4.29	ug/Kg		1/4/2017 19:49
1,2,3-Trichlorobenzene	< 10.7	ug/Kg		1/4/2017 19:49
1,2,4-Trichlorobenzene	< 10.7	ug/Kg		1/4/2017 19:49
1,2-Dibromo-3-Chloropropane	< 21.4	ug/Kg		1/4/2017 19:49
1,2-Dibromoethane	< 4.29	ug/Kg		1/4/2017 19:49
1,2-Dichlorobenzene	< 4.29	ug/Kg		1/4/2017 19:49
1,2-Dichloroethane	< 4.29	ug/Kg		1/4/2017 19:49
1,2-Dichloropropane	< 4.29	ug/Kg		1/4/2017 19:49
1,3-Dichlorobenzene	< 4.29	ug/Kg		1/4/2017 19:49
1,4-Dichlorobenzene	< 4.29	ug/Kg		1/4/2017 19:49
1,4-dioxane	< 42.9	ug/Kg		1/4/2017 19:49
2-Butanone	< 21.4	ug/Kg		1/4/2017 19:49
2-Hexanone	< 10.7	ug/Kg		1/4/2017 19:49
4-Methyl-2-pentanone	< 10.7	ug/Kg		1/4/2017 19:49
Acetone	< 21.4	ug/Kg		1/4/2017 19:49
Benzene	< 4.29	ug/Kg		1/4/2017 19:49
Bromochloromethane	< 10.7	ug/Kg		1/4/2017 19:49
Bromodichloromethane	< 4.29	ug/Kg		1/4/2017 19:49
Bromoform	< 10.7	ug/Kg		1/4/2017 19:49
Bromomethane	< 4.29	ug/Kg		1/4/2017 19:49
Carbon disulfide	< 4.29	ug/Kg		1/4/2017 19:49
Carbon Tetrachloride	< 4.29	ug/Kg		1/4/2017 19:49
Chlorobenzene	< 4.29	ug/Kg		1/4/2017 19:49

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 165593

Client: **C&S Companies**

Project Reference: 100 Dona Street

Sample Identifier: SS-8
Lab Sample ID: 165593-08 **Date Sampled:** 12/28/2016
Matrix: Soil **Date Received:** 12/30/2016

Chloroethane	< 4.29	ug/Kg	1/4/2017	19:49
Chloroform	< 4.29	ug/Kg	1/4/2017	19:49
Chloromethane	< 4.29	ug/Kg	1/4/2017	19:49
cis-1,2-Dichloroethene	< 4.29	ug/Kg	1/4/2017	19:49
cis-1,3-Dichloropropene	< 4.29	ug/Kg	1/4/2017	19:49
Cyclohexane	< 21.4	ug/Kg	1/4/2017	19:49
Dibromochloromethane	< 4.29	ug/Kg	1/4/2017	19:49
Dichlorodifluoromethane	< 4.29	ug/Kg	1/4/2017	19:49
Ethylbenzene	< 4.29	ug/Kg	1/4/2017	19:49
Freon 113	< 4.29	ug/Kg	1/4/2017	19:49
Isopropylbenzene	< 4.29	ug/Kg	1/4/2017	19:49
m,p-Xylene	< 4.29	ug/Kg	1/4/2017	19:49
Methyl acetate	< 4.29	ug/Kg	1/4/2017	19:49
Methyl tert-butyl Ether	< 4.29	ug/Kg	1/4/2017	19:49
Methylcyclohexane	< 4.29	ug/Kg	1/4/2017	19:49
Methylene chloride	< 10.7	ug/Kg	1/4/2017	19:49
o-Xylene	< 4.29	ug/Kg	1/4/2017	19:49
Styrene	< 10.7	ug/Kg	1/4/2017	19:49
Tetrachloroethene	< 4.29	ug/Kg	1/4/2017	19:49
Toluene	< 4.29	ug/Kg	1/4/2017	19:49
trans-1,2-Dichloroethene	< 4.29	ug/Kg	1/4/2017	19:49
trans-1,3-Dichloropropene	< 4.29	ug/Kg	1/4/2017	19:49
Trichloroethene	< 4.29	ug/Kg	1/4/2017	19:49
Trichlorofluoromethane	< 4.29	ug/Kg	1/4/2017	19:49
Vinyl chloride	< 4.29	ug/Kg	1/4/2017	19:49

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 165593

Client: **C&S Companies**

Project Reference: 100 Dona Street

Sample Identifier: SS-8
Lab Sample ID: 165593-08 **Date Sampled:** 12/28/2016
Matrix: Soil **Date Received:** 12/30/2016

Surrogate	Percent Recovery	Limits	Outliers	Date Analyzed	
1,2-Dichloroethane-d4	**106**	82 - 124		1/4/2017	19:49
4-Bromofluorobenzene	**83.7**	80.5 - 116		1/4/2017	19:49
Pentafluorobenzene	**99.8**	88.7 - 112		1/4/2017	19:49
Toluene-D8	**95.5**	79.1 - 120		1/4/2017	19:49

Method Reference(s): EPA 8260C
EPA 5035A - L
Data File: x38286.D

This sample was not collected following SW846 5035A specifications. Accordingly, any Volatiles soil results that are less than 200 ug/Kg, including Non Detects, may be biased low, per ELAP method 5035 guidance document from 11/15/2012.

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 165593

Client: **C&S Companies**

Project Reference: 100 Dona Street

Sample Identifier:	SS-9		
Lab Sample ID:	165593-09	**Date Sampled:**	12/28/2016
Matrix:	Soil	**Date Received:**	12/30/2016

Mercury

Analyte	Result	Units	Qualifier	Date Analyzed
Mercury	**0.102**	mg/Kg		1/3/2017 16:58

Method Reference(s): EPA 7471B
Preparation Date: 1/3/2017
Data File: Hg170103A

FINAL

This report is part of a multipage document and should only be evaluated in its entirety. The Chain of Custody provides additional sample information, including compliance with the sample condition requirements upon receipt.

Report Prepared Monday, January 09, 2017

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 165593

Client: **C&S Companies**

Project Reference: 100 Dona Street

Sample Identifier: SS-9
Lab Sample ID: 165593-09 **Date Sampled:** 12/28/2016
Matrix: Soil **Date Received:** 12/30/2016

TAL Metals (ICP)

Analyte	Result	Units	Qualifier	Date Analyzed
Aluminum	**9030**	mg/Kg		1/4/2017 17:26
Antimony	< 3.67	mg/Kg		1/4/2017 17:26
Arsenic	**11.5**	mg/Kg		1/4/2017 17:26
Barium	**57.3**	mg/Kg		1/4/2017 17:26
Beryllium	**0.519**	mg/Kg		1/4/2017 17:26
Cadmium	**1.73**	mg/Kg		1/4/2017 17:26
Calcium	**16100**	mg/Kg		1/3/2017 19:25
Chromium	**42.7**	mg/Kg		1/4/2017 17:26
Cobalt	**6.54**	mg/Kg		1/4/2017 17:26
Copper	**34.9**	mg/Kg		1/4/2017 17:26
Iron	**25100**	mg/Kg		1/4/2017 17:26
Lead	**149**	mg/Kg		1/4/2017 17:26
Magnesium	**7480**	mg/Kg		1/4/2017 17:26
Manganese	**1290**	mg/Kg		1/4/2017 19:04
Nickel	**18.5**	mg/Kg		1/4/2017 17:26
Potassium	**1480**	mg/Kg		1/4/2017 17:26
Selenium	**0.936**	mg/Kg		1/4/2017 17:26
Silver	< 0.611	mg/Kg		1/4/2017 17:26
Sodium	**81.0**	mg/Kg	J	1/4/2017 17:26
Thallium	< 1.53	mg/Kg		1/4/2017 17:26
Vanadium	**27.6**	mg/Kg		1/4/2017 17:26
Zinc	**386**	mg/Kg		1/4/2017 17:26

Method Reference(s): EPA 6010C
EPA 3050B
Preparation Date: 1/3/2017
Data File: 010317b

Report Prepared Monday, January 09, 2017

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 165593

Client: **C&S Companies**

Project Reference: 100 Dona Street

Sample Identifier: SS-9
Lab Sample ID: 165593-09 **Date Sampled:** 12/28/2016
Matrix: Soil **Date Received:** 12/30/2016

PCBs

Analyte	Result	Units	Qualifier	Date Analyzed
PCB-1016	< 0.0382	mg/Kg		1/5/2017 17:40
PCB-1221	< 0.0382	mg/Kg		1/5/2017 17:40
PCB-1232	< 0.0382	mg/Kg		1/5/2017 17:40
PCB-1242	< 0.0382	mg/Kg		1/5/2017 17:40
PCB-1248	< 0.0382	mg/Kg		1/5/2017 17:40
PCB-1254	< 0.0382	mg/Kg		1/5/2017 17:40
PCB-1260	**0.0257**	mg/Kg	J	1/5/2017 17:40
PCB-1262	< 0.0382	mg/Kg		1/5/2017 17:40
PCB-1268	< 0.0382	mg/Kg		1/5/2017 17:40

Surrogate	Percent Recovery	Limits	Outliers	Date Analyzed
Decachlorobiphenyl	**43.5**	10 - 144		1/5/2017 17:40
Tetrachloro-m-xylene	**22.8**	10 - 140		1/5/2017 17:40

Method Reference(s): EPA 8082A
EPA 3550C
Preparation Date: 1/4/2017

Report Prepared Monday, January 09, 2017

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 165593

Client: **C&S Companies**

Project Reference: 100 Dona Street

Sample Identifier: SS-9
Lab Sample ID: 165593-09 **Date Sampled:** 12/28/2016
Matrix: Soil **Date Received:** 12/30/2016

Semi-Volatile Organics (Acid/Base Neutrals)

Analyte	Result	Units	Qualifier	Date Analyzed
1,1-Biphenyl	< 385	ug/Kg		1/5/2017 02:21
1,2,4,5-Tetrachlorobenzene	< 385	ug/Kg		1/5/2017 02:21
1,2,4-Trichlorobenzene	< 385	ug/Kg		1/5/2017 02:21
1,2-Dichlorobenzene	< 385	ug/Kg		1/5/2017 02:21
1,3-Dichlorobenzene	< 385	ug/Kg		1/5/2017 02:21
1,4-Dichlorobenzene	< 385	ug/Kg		1/5/2017 02:21
2,2-Oxybis (1-chloropropane)	< 385	ug/Kg		1/5/2017 02:21
2,3,4,6-Tetrachlorophenol	< 385	ug/Kg		1/5/2017 02:21
2,4,5-Trichlorophenol	< 771	ug/Kg		1/5/2017 02:21
2,4,6-Trichlorophenol	< 385	ug/Kg		1/5/2017 02:21
2,4-Dichlorophenol	< 385	ug/Kg		1/5/2017 02:21
2,4-Dimethylphenol	< 385	ug/Kg		1/5/2017 02:21
2,4-Dinitrophenol	< 771	ug/Kg		1/5/2017 02:21
2,4-Dinitrotoluene	< 385	ug/Kg		1/5/2017 02:21
2,6-Dinitrotoluene	< 385	ug/Kg		1/5/2017 02:21
2-Chloronaphthalene	< 385	ug/Kg		1/5/2017 02:21
2-Chlorophenol	< 385	ug/Kg		1/5/2017 02:21
2-Methylnapthalene	< 385	ug/Kg		1/5/2017 02:21
2-Methylphenol	< 385	ug/Kg		1/5/2017 02:21
2-Nitroaniline	< 771	ug/Kg		1/5/2017 02:21
2-Nitrophenol	< 385	ug/Kg		1/5/2017 02:21
3&4-Methylphenol	< 385	ug/Kg		1/5/2017 02:21
3,3'-Dichlorobenzidine	< 385	ug/Kg		1/5/2017 02:21
3-Nitroaniline	< 771	ug/Kg		1/5/2017 02:21
4,6-Dinitro-2-methylphenol	< 771	ug/Kg		1/5/2017 02:21
4-Bromophenyl phenyl ether	< 385	ug/Kg		1/5/2017 02:21
4-Chloro-3-methylphenol	< 385	ug/Kg		1/5/2017 02:21

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 165593

Client: **C&S Companies**

Project Reference: 100 Dona Street

Sample Identifier: SS-9
Lab Sample ID: 165593-09
Matrix: Soil
Date Sampled: 12/28/2016
Date Received: 12/30/2016

4-Chloroaniline	< 385	ug/Kg		1/5/2017	02:21
4-Chlorophenyl phenyl ether	< 385	ug/Kg		1/5/2017	02:21
4-Nitroaniline	< 771	ug/Kg		1/5/2017	02:21
4-Nitrophenol	< 771	ug/Kg		1/5/2017	02:21
Acenaphthene	< 385	ug/Kg		1/5/2017	02:21
Acenaphthylene	**364**	ug/Kg	J	1/5/2017	02:21
Acetophenone	< 385	ug/Kg		1/5/2017	02:21
Anthracene	**557**	ug/Kg		1/5/2017	02:21
Atrazine	< 385	ug/Kg		1/5/2017	02:21
Benzaldehyde	< 385	ug/Kg		1/5/2017	02:21
Benzo (a) anthracene	**1840**	ug/Kg		1/5/2017	02:21
Benzo (a) pyrene	**1560**	ug/Kg		1/5/2017	02:21
Benzo (b) fluoranthene	**1600**	ug/Kg		1/5/2017	02:21
Benzo (g,h,i) perylene	**938**	ug/Kg		1/5/2017	02:21
Benzo (k) fluoranthene	**1050**	ug/Kg		1/5/2017	02:21
Bis (2-chloroethoxy) methane	< 385	ug/Kg		1/5/2017	02:21
Bis (2-chloroethyl) ether	< 385	ug/Kg		1/5/2017	02:21
Bis (2-ethylhexyl) phthalate	< 385	ug/Kg		1/5/2017	02:21
Butylbenzylphthalate	< 385	ug/Kg		1/5/2017	02:21
Caprolactam	< 385	ug/Kg		1/5/2017	02:21
Carbazole	**241**	ug/Kg	J	1/5/2017	02:21
Chrysene	**1690**	ug/Kg		1/5/2017	02:21
Dibenz (a,h) anthracene	**409**	ug/Kg		1/5/2017	02:21
Dibenzofuran	< 385	ug/Kg		1/5/2017	02:21
Diethyl phthalate	< 385	ug/Kg		1/5/2017	02:21
Dimethyl phthalate	< 771	ug/Kg		1/5/2017	02:21
Di-n-butyl phthalate	< 385	ug/Kg		1/5/2017	02:21
Di-n-octylphthalate	< 385	ug/Kg		1/5/2017	02:21
Fluoranthene	**3970**	ug/Kg		1/5/2017	02:21
Fluorene	< 385	ug/Kg		1/5/2017	02:21

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 165593

Client: **C&S Companies**

Project Reference: 100 Dona Street

Sample Identifier: SS-9
Lab Sample ID: 165593-09 **Date Sampled:** 12/28/2016
Matrix: Soil **Date Received:** 12/30/2016

Hexachlorobenzene	< 385	ug/Kg		1/5/2017 02:21
Hexachlorobutadiene	< 385	ug/Kg		1/5/2017 02:21
Hexachlorocyclopentadiene	< 385	ug/Kg		1/5/2017 02:21
Hexachloroethane	< 385	ug/Kg		1/5/2017 02:21
Indeno (1,2,3-cd) pyrene	**796**	ug/Kg		1/5/2017 02:21
Isophorone	< 385	ug/Kg		1/5/2017 02:21
Naphthalene	< 385	ug/Kg		1/5/2017 02:21
Nitrobenzene	< 385	ug/Kg		1/5/2017 02:21
N-Nitroso-di-n-propylamine	< 385	ug/Kg		1/5/2017 02:21
N-Nitrosodiphenylamine	< 385	ug/Kg		1/5/2017 02:21
Pentachlorophenol	< 771	ug/Kg		1/5/2017 02:21
Phenanthrene	**1840**	ug/Kg		1/5/2017 02:21
Phenol	< 385	ug/Kg		1/5/2017 02:21
Pyrene	**3060**	ug/Kg		1/5/2017 02:21

Surrogate	Percent Recovery	Limits	Outliers	Date Analyzed
2,4,6-Tribromophenol	**60.3**	38 - 114		1/5/2017 02:21
2-Fluorobiphenyl	**40.2**	25 - 105		1/5/2017 02:21
2-Fluorophenol	**38.3**	30.8 - 84		1/5/2017 02:21
Nitrobenzene-d5	**38.1**	28.5 - 84.9		1/5/2017 02:21
Phenol-d5	**40.9**	32.5 - 89.6		1/5/2017 02:21
Terphenyl-d14	**59.0**	55.5 - 117		1/5/2017 02:21

Method Reference(s): EPA 8270D
EPA 3550C
Preparation Date: 1/4/2017
Data File: B16344.D

Report Prepared Monday, January 09, 2017

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 165593

Client: **C&S Companies**

Project Reference: 100 Dona Street

Sample Identifier: SS-9
Lab Sample ID: 165593-09 **Date Sampled:** 12/28/2016
Matrix: Soil **Date Received:** 12/30/2016

Volatile Organics

Analyte	Result	Units	Qualifier	Date Analyzed
1,1,1-Trichloroethane	< 5.08	ug/Kg		1/4/2017 19:24
1,1,2,2-Tetrachloroethane	< 5.08	ug/Kg		1/4/2017 19:24
1,1,2-Trichloroethane	< 5.08	ug/Kg		1/4/2017 19:24
1,1-Dichloroethane	< 5.08	ug/Kg		1/4/2017 19:24
1,1-Dichloroethene	< 5.08	ug/Kg		1/4/2017 19:24
1,2,3-Trichlorobenzene	< 12.7	ug/Kg		1/4/2017 19:24
1,2,4-Trichlorobenzene	< 12.7	ug/Kg		1/4/2017 19:24
1,2-Dibromo-3-Chloropropane	< 25.4	ug/Kg		1/4/2017 19:24
1,2-Dibromoethane	< 5.08	ug/Kg		1/4/2017 19:24
1,2-Dichlorobenzene	< 5.08	ug/Kg		1/4/2017 19:24
1,2-Dichloroethane	< 5.08	ug/Kg		1/4/2017 19:24
1,2-Dichloropropane	< 5.08	ug/Kg		1/4/2017 19:24
1,3-Dichlorobenzene	< 5.08	ug/Kg		1/4/2017 19:24
1,4-Dichlorobenzene	< 5.08	ug/Kg		1/4/2017 19:24
1,4-dioxane	< 50.8	ug/Kg		1/4/2017 19:24
2-Butanone	< 25.4	ug/Kg		1/4/2017 19:24
2-Hexanone	< 12.7	ug/Kg		1/4/2017 19:24
4-Methyl-2-pentanone	< 12.7	ug/Kg		1/4/2017 19:24
Acetone	< 25.4	ug/Kg		1/4/2017 19:24
Benzene	< 5.08	ug/Kg		1/4/2017 19:24
Bromochloromethane	< 12.7	ug/Kg		1/4/2017 19:24
Bromodichloromethane	< 5.08	ug/Kg		1/4/2017 19:24
Bromoform	< 12.7	ug/Kg		1/4/2017 19:24
Bromomethane	< 5.08	ug/Kg		1/4/2017 19:24
Carbon disulfide	< 5.08	ug/Kg		1/4/2017 19:24
Carbon Tetrachloride	< 5.08	ug/Kg		1/4/2017 19:24
Chlorobenzene	< 5.08	ug/Kg		1/4/2017 19:24

Report Prepared Monday, January 09, 2017

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 165593

Client: **C&S Companies**

Project Reference: 100 Dona Street

Sample Identifier: SS-9
Lab Sample ID: 165593-09
Matrix: Soil
Date Sampled: 12/28/2016
Date Received: 12/30/2016

Chloroethane	< 5.08	ug/Kg	1/4/2017	19:24
Chloroform	< 5.08	ug/Kg	1/4/2017	19:24
Chloromethane	< 5.08	ug/Kg	1/4/2017	19:24
cis-1,2-Dichloroethene	< 5.08	ug/Kg	1/4/2017	19:24
cis-1,3-Dichloropropene	< 5.08	ug/Kg	1/4/2017	19:24
Cyclohexane	< 25.4	ug/Kg	1/4/2017	19:24
Dibromochloromethane	< 5.08	ug/Kg	1/4/2017	19:24
Dichlorodifluoromethane	< 5.08	ug/Kg	1/4/2017	19:24
Ethylbenzene	< 5.08	ug/Kg	1/4/2017	19:24
Freon 113	< 5.08	ug/Kg	1/4/2017	19:24
Isopropylbenzene	< 5.08	ug/Kg	1/4/2017	19:24
m,p-Xylene	< 5.08	ug/Kg	1/4/2017	19:24
Methyl acetate	< 5.08	ug/Kg	1/4/2017	19:24
Methyl tert-butyl Ether	< 5.08	ug/Kg	1/4/2017	19:24
Methylcyclohexane	< 5.08	ug/Kg	1/4/2017	19:24
Methylene chloride	< 12.7	ug/Kg	1/4/2017	19:24
o-Xylene	< 5.08	ug/Kg	1/4/2017	19:24
Styrene	< 12.7	ug/Kg	1/4/2017	19:24
Tetrachloroethene	< 5.08	ug/Kg	1/4/2017	19:24
Toluene	< 5.08	ug/Kg	1/4/2017	19:24
trans-1,2-Dichloroethene	< 5.08	ug/Kg	1/4/2017	19:24
trans-1,3-Dichloropropene	< 5.08	ug/Kg	1/4/2017	19:24
Trichloroethene	< 5.08	ug/Kg	1/4/2017	19:24
Trichlorofluoromethane	< 5.08	ug/Kg	1/4/2017	19:24
Vinyl chloride	< 5.08	ug/Kg	1/4/2017	19:24

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 165593

Client: **C&S Companies**

Project Reference: 100 Dona Street

Sample Identifier: SS-9
Lab Sample ID: 165593-09 **Date Sampled:** 12/28/2016
Matrix: Soil **Date Received:** 12/30/2016

Surrogate	Percent Recovery	Limits	Outliers	Date Analyzed
1,2-Dichloroethane-d4	**104**	82 - 124		1/4/2017 19:24
4-Bromofluorobenzene	**81.8**	80.5 - 116		1/4/2017 19:24
Pentafluorobenzene	**99.0**	88.7 - 112		1/4/2017 19:24
Toluene-D8	**95.0**	79.1 - 120		1/4/2017 19:24

Internal standard outliers indicate probable matrix interference

Method Reference(s): EPA 8260C
EPA 5035A - L

Data File: x38285.D

This sample was not collected following SW846 5035A specifications. Accordingly, any Volatiles soil results that are less than 200 ug/Kg, including Non Detects, may be biased low, per ELAP method 5035 guidance document from 11/15/2012.

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 165593

Client: **C&S Companies**

Project Reference: 100 Dona Street

Sample Identifier:	SS-10		
Lab Sample ID:	165593-10	**Date Sampled:**	12/28/2016
Matrix:	Soil	**Date Received:**	12/30/2016

Mercury

Analyte	Result	Units	Qualifier	Date Analyzed
Mercury	**0.0985**	mg/Kg		1/3/2017 17:01

Method Reference(s): EPA 7471B
Preparation Date: 1/3/2017
Data File: Hg170103A

FINAL

Report Prepared Monday, January 09, 2017

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 165593

Client: **C&S Companies**

Project Reference: 100 Dona Street

Sample Identifier: SS-10
Lab Sample ID: 165593-10 **Date Sampled:** 12/28/2016
Matrix: Soil **Date Received:** 12/30/2016

TAL Metals (ICP)

Analyte	Result	Units	Qualifier	Date Analyzed
Aluminum	**9380**	mg/Kg		1/4/2017 17:30
Antimony	< 3.85	mg/Kg		1/4/2017 17:30
Arsenic	**11.9**	mg/Kg		1/4/2017 17:30
Barium	**65.7**	mg/Kg		1/4/2017 17:30
Beryllium	**0.604**	mg/Kg		1/4/2017 17:30
Cadmium	**1.70**	mg/Kg		1/4/2017 17:30
Calcium	**8580**	mg/Kg		1/3/2017 19:29
Chromium	**36.3**	mg/Kg		1/4/2017 17:30
Cobalt	**6.97**	mg/Kg		1/4/2017 17:30
Copper	**36.6**	mg/Kg		1/4/2017 17:30
Iron	**26300**	mg/Kg		1/4/2017 17:30
Lead	**165**	mg/Kg		1/4/2017 17:30
Magnesium	**3140**	mg/Kg		1/4/2017 17:30
Manganese	**965**	mg/Kg		1/4/2017 19:08
Nickel	**20.1**	mg/Kg		1/4/2017 17:30
Potassium	**1260**	mg/Kg		1/4/2017 17:30
Selenium	**1.00**	mg/Kg		1/4/2017 17:30
Silver	< 0.642	mg/Kg		1/4/2017 17:30
Sodium	< 161	mg/Kg		1/4/2017 17:30
Thallium	< 1.61	mg/Kg		1/4/2017 17:30
Vanadium	**29.1**	mg/Kg		1/4/2017 17:30
Zinc	**373**	mg/Kg		1/4/2017 17:30

Method Reference(s): EPA 6010C
EPA 3050B
Preparation Date: 1/3/2017
Data File: 010317b

Report Prepared Monday, January 09, 2017

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 165593

Client: **C&S Companies**

Project Reference: 100 Dona Street

Sample Identifier:	SS-10		
Lab Sample ID:	165593-10	**Date Sampled:**	12/28/2016
Matrix:	Soil	**Date Received:**	12/30/2016

PCBs

Analyte	Result	Units	Qualifier	Date Analyzed
PCB-1016	< 0.0401	mg/Kg		1/5/2017 18:03
PCB-1221	< 0.0401	mg/Kg		1/5/2017 18:03
PCB-1232	< 0.0401	mg/Kg		1/5/2017 18:03
PCB-1242	< 0.0401	mg/Kg		1/5/2017 18:03
PCB-1248	< 0.0401	mg/Kg		1/5/2017 18:03
PCB-1254	< 0.0401	mg/Kg		1/5/2017 18:03
PCB-1260	< 0.0401	mg/Kg		1/5/2017 18:03
PCB-1262	< 0.0401	mg/Kg		1/5/2017 18:03
PCB-1268	< 0.0401	mg/Kg		1/5/2017 18:03

Surrogate	Percent Recovery	Limits	Outliers	Date Analyzed
Decachlorobiphenyl	**60.9**	10 - 144		1/5/2017 18:03
Tetrachloro-m-xylene	**37.7**	10 - 140		1/5/2017 18:03

Method Reference(s): EPA 8082A
EPA 3550C

Preparation Date: 1/4/2017

Report Prepared Monday, January 09, 2017

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 165593

Client: **C&S Companies**

Project Reference: 100 Dona Street

Sample Identifier: SS-10
Lab Sample ID: 165593-10
Matrix: Soil

Date Sampled: 12/28/2016
Date Received: 12/30/2016

Semi-Volatile Organics (Acid/Base Neutrals)

Analyte	Result	Units	Qualifier	Date Analyzed
1,1-Biphenyl	< 1970	ug/Kg		1/6/2017 17:36
1,2,4,5-Tetrachlorobenzene	< 1970	ug/Kg		1/6/2017 17:36
1,2,4-Trichlorobenzene	< 1970	ug/Kg		1/6/2017 17:36
1,2-Dichlorobenzene	< 1970	ug/Kg		1/6/2017 17:36
1,3-Dichlorobenzene	< 1970	ug/Kg		1/6/2017 17:36
1,4-Dichlorobenzene	< 1970	ug/Kg		1/6/2017 17:36
2,2-Oxybis (1-chloropropane)	< 1970	ug/Kg		1/6/2017 17:36
2,3,4,6-Tetrachlorophenol	< 1970	ug/Kg		1/6/2017 17:36
2,4,5-Trichlorophenol	< 3930	ug/Kg		1/6/2017 17:36
2,4,6-Trichlorophenol	< 1970	ug/Kg		1/6/2017 17:36
2,4-Dichlorophenol	< 1970	ug/Kg		1/6/2017 17:36
2,4-Dimethylphenol	< 1970	ug/Kg		1/6/2017 17:36
2,4-Dinitrophenol	< 3930	ug/Kg		1/6/2017 17:36
2,4-Dinitrotoluene	< 1970	ug/Kg		1/6/2017 17:36
2,6-Dinitrotoluene	< 1970	ug/Kg		1/6/2017 17:36
2-Chloronaphthalene	< 1970	ug/Kg		1/6/2017 17:36
2-Chlorophenol	< 1970	ug/Kg		1/6/2017 17:36
2-Methylnapthalene	< 1970	ug/Kg		1/6/2017 17:36
2-Methylphenol	< 1970	ug/Kg		1/6/2017 17:36
2-Nitroaniline	< 3930	ug/Kg		1/6/2017 17:36
2-Nitrophenol	< 1970	ug/Kg		1/6/2017 17:36
3&4-Methylphenol	< 1970	ug/Kg		1/6/2017 17:36
3,3'-Dichlorobenzidine	< 1970	ug/Kg		1/6/2017 17:36
3-Nitroaniline	< 3930	ug/Kg		1/6/2017 17:36
4,6-Dinitro-2-methylphenol	< 3930	ug/Kg		1/6/2017 17:36
4-Bromophenyl phenyl ether	< 1970	ug/Kg		1/6/2017 17:36
4-Chloro-3-methylphenol	< 1970	ug/Kg		1/6/2017 17:36

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 165593

Client: **C&S Companies**

Project Reference: 100 Dona Street

Sample Identifier: SS-10
Lab Sample ID: 165593-10
Matrix: Soil
Date Sampled: 12/28/2016
Date Received: 12/30/2016

4-Chloroaniline	< 1970	ug/Kg		1/6/2017	17:36
4-Chlorophenyl phenyl ether	< 1970	ug/Kg		1/6/2017	17:36
4-Nitroaniline	< 3930	ug/Kg		1/6/2017	17:36
4-Nitrophenol	< 3930	ug/Kg		1/6/2017	17:36
Acenaphthene	< 1970	ug/Kg		1/6/2017	17:36
Acenaphthylene	< 1970	ug/Kg		1/6/2017	17:36
Acetophenone	< 1970	ug/Kg		1/6/2017	17:36
Anthracene	**1890**	ug/Kg	J	1/6/2017	17:36
Atrazine	< 1970	ug/Kg		1/6/2017	17:36
Benzaldehyde	< 1970	ug/Kg		1/6/2017	17:36
Benzo (a) anthracene	**5010**	ug/Kg		1/6/2017	17:36
Benzo (a) pyrene	**4540**	ug/Kg		1/6/2017	17:36
Benzo (b) fluoranthene	**4270**	ug/Kg		1/6/2017	17:36
Benzo (g,h,i) perylene	**2920**	ug/Kg		1/6/2017	17:36
Benzo (k) fluoranthene	**3290**	ug/Kg		1/6/2017	17:36
Bis (2-chloroethoxy) methane	< 1970	ug/Kg		1/6/2017	17:36
Bis (2-chloroethyl) ether	< 1970	ug/Kg		1/6/2017	17:36
Bis (2-ethylhexyl) phthalate	< 1970	ug/Kg		1/6/2017	17:36
Butylbenzylphthalate	< 1970	ug/Kg		1/6/2017	17:36
Caprolactam	< 1970	ug/Kg		1/6/2017	17:36
Carbazole	**1090**	ug/Kg	J	1/6/2017	17:36
Chrysene	**5090**	ug/Kg		1/6/2017	17:36
Dibenz (a,h) anthracene	**1190**	ug/Kg	J	1/6/2017	17:36
Dibenzofuran	< 1970	ug/Kg		1/6/2017	17:36
Diethyl phthalate	< 1970	ug/Kg		1/6/2017	17:36
Dimethyl phthalate	< 3930	ug/Kg		1/6/2017	17:36
Di-n-butyl phthalate	< 1970	ug/Kg		1/6/2017	17:36
Di-n-octylphthalate	< 1970	ug/Kg		1/6/2017	17:36
Fluoranthene	**12300**	ug/Kg		1/6/2017	17:36
Fluorene	< 1970	ug/Kg		1/6/2017	17:36

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 165593

Client: **C&S Companies**

Project Reference: 100 Dona Street

Sample Identifier: SS-10
Lab Sample ID: 165593-10
Matrix: Soil
Date Sampled: 12/28/2016
Date Received: 12/30/2016

Hexachlorobenzene	< 1970	ug/Kg		1/6/2017 17:36
Hexachlorobutadiene	< 1970	ug/Kg		1/6/2017 17:36
Hexachlorocyclopentadiene	< 1970	ug/Kg		1/6/2017 17:36
Hexachloroethane	< 1970	ug/Kg		1/6/2017 17:36
Indeno (1,2,3-cd) pyrene	**2110**	ug/Kg		1/6/2017 17:36
Isophorone	< 1970	ug/Kg		1/6/2017 17:36
Naphthalene	< 1970	ug/Kg		1/6/2017 17:36
Nitrobenzene	< 1970	ug/Kg		1/6/2017 17:36
N-Nitroso-di-n-propylamine	< 1970	ug/Kg		1/6/2017 17:36
N-Nitrosodiphenylamine	< 1970	ug/Kg		1/6/2017 17:36
Pentachlorophenol	< 3930	ug/Kg		1/6/2017 17:36
Phenanthrene	**8370**	ug/Kg		1/6/2017 17:36
Phenol	< 1970	ug/Kg		1/6/2017 17:36
Pyrene	**9860**	ug/Kg		1/6/2017 17:36

Surrogate	Percent Recovery	Limits	Outliers	Date Analyzed
2,4,6-Tribromophenol	**64.5**	38 - 114		1/6/2017 17:36
2-Fluorobiphenyl	**48.1**	25 - 105		1/6/2017 17:36
2-Fluorophenol	**43.2**	30.8 - 84		1/6/2017 17:36
Nitrobenzene-d5	**44.5**	28.5 - 84.9		1/6/2017 17:36
Phenol-d5	**47.4**	32.5 - 89.6		1/6/2017 17:36
Terphenyl-d14	**66.0**	55.5 - 117		1/6/2017 17:36

Method Reference(s): EPA 8270D
EPA 3550C
Preparation Date: 1/4/2017
Data File: B16387.D

Report Prepared Monday, January 09, 2017

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 165593

Client: **C&S Companies**

Project Reference: 100 Dona Street

Sample Identifier: SS-10
Lab Sample ID: 165593-10 **Date Sampled:** 12/28/2016
Matrix: Soil **Date Received:** 12/30/2016

Volatile Organics

Analyte	Result	Units	Qualifier	Date Analyzed
1,1,1-Trichloroethane	< 4.12	ug/Kg		1/5/2017 16:37
1,1,2,2-Tetrachloroethane	< 4.12	ug/Kg		1/5/2017 16:37
1,1,2-Trichloroethane	< 4.12	ug/Kg		1/5/2017 16:37
1,1-Dichloroethane	< 4.12	ug/Kg	L	1/5/2017 16:37
1,1-Dichloroethene	< 4.12	ug/Kg		1/5/2017 16:37
1,2,3-Trichlorobenzene	< 10.3	ug/Kg		1/5/2017 16:37
1,2,4-Trichlorobenzene	< 10.3	ug/Kg		1/5/2017 16:37
1,2-Dibromo-3-Chloropropane	< 20.6	ug/Kg		1/5/2017 16:37
1,2-Dibromoethane	< 4.12	ug/Kg		1/5/2017 16:37
1,2-Dichlorobenzene	< 4.12	ug/Kg		1/5/2017 16:37
1,2-Dichloroethane	< 4.12	ug/Kg		1/5/2017 16:37
1,2-Dichloropropane	< 4.12	ug/Kg		1/5/2017 16:37
1,3-Dichlorobenzene	< 4.12	ug/Kg		1/5/2017 16:37
1,4-Dichlorobenzene	< 4.12	ug/Kg		1/5/2017 16:37
1,4-dioxane	< 41.2	ug/Kg		1/5/2017 16:37
2-Butanone	< 20.6	ug/Kg		1/5/2017 16:37
2-Hexanone	< 10.3	ug/Kg		1/5/2017 16:37
4-Methyl-2-pentanone	< 10.3	ug/Kg		1/5/2017 16:37
Acetone	< 20.6	ug/Kg		1/5/2017 16:37
Benzene	< 4.12	ug/Kg		1/5/2017 16:37
Bromochloromethane	< 10.3	ug/Kg		1/5/2017 16:37
Bromodichloromethane	< 4.12	ug/Kg		1/5/2017 16:37
Bromoform	< 10.3	ug/Kg		1/5/2017 16:37
Bromomethane	< 4.12	ug/Kg		1/5/2017 16:37
Carbon disulfide	< 4.12	ug/Kg		1/5/2017 16:37
Carbon Tetrachloride	< 4.12	ug/Kg		1/5/2017 16:37
Chlorobenzene	< 4.12	ug/Kg		1/5/2017 16:37

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 165593

Client: **C&S Companies**

Project Reference: 100 Dona Street

Sample Identifier: SS-10
Lab Sample ID: 165593-10
Matrix: Soil
Date Sampled: 12/28/2016
Date Received: 12/30/2016

Chloroethane	< 4.12	ug/Kg	1/5/2017	16:37
Chloroform	< 4.12	ug/Kg	1/5/2017	16:37
Chloromethane	< 4.12	ug/Kg	1/5/2017	16:37
cis-1,2-Dichloroethene	< 4.12	ug/Kg	1/5/2017	16:37
cis-1,3-Dichloropropene	< 4.12	ug/Kg	1/5/2017	16:37
Cyclohexane	< 20.6	ug/Kg	1/5/2017	16:37
Dibromochloromethane	< 4.12	ug/Kg	1/5/2017	16:37
Dichlorodifluoromethane	< 4.12	ug/Kg	1/5/2017	16:37
Ethylbenzene	< 4.12	ug/Kg	1/5/2017	16:37
Freon 113	< 4.12	ug/Kg	1/5/2017	16:37
Isopropylbenzene	< 4.12	ug/Kg	1/5/2017	16:37
m,p-Xylene	< 4.12	ug/Kg	1/5/2017	16:37
Methyl acetate	< 4.12	ug/Kg	1/5/2017	16:37
Methyl tert-butyl Ether	< 4.12	ug/Kg	1/5/2017	16:37
Methylcyclohexane	< 4.12	ug/Kg	1/5/2017	16:37
Methylene chloride	< 10.3	ug/Kg	1/5/2017	16:37
o-Xylene	< 4.12	ug/Kg	1/5/2017	16:37
Styrene	< 10.3	ug/Kg	1/5/2017	16:37
Tetrachloroethene	< 4.12	ug/Kg	1/5/2017	16:37
Toluene	< 4.12	ug/Kg	1/5/2017	16:37
trans-1,2-Dichloroethene	< 4.12	ug/Kg	1/5/2017	16:37
trans-1,3-Dichloropropene	< 4.12	ug/Kg	1/5/2017	16:37
Trichloroethene	< 4.12	ug/Kg	1/5/2017	16:37
Trichlorofluoromethane	< 4.12	ug/Kg	1/5/2017	16:37
Vinyl chloride	< 4.12	ug/Kg	1/5/2017	16:37

Report Prepared Monday, January 09, 2017

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 165593

Client: **C&S Companies**

Project Reference: 100 Dona Street

Sample Identifier: SS-10
Lab Sample ID: 165593-10 **Date Sampled:** 12/28/2016
Matrix: Soil **Date Received:** 12/30/2016

Surrogate	Percent Recovery	Limits	Outliers	Date Analyzed	
1,2-Dichloroethane-d4	**107**	82 - 124		1/5/2017	16:37
4-Bromofluorobenzene	**69.7**	80.5 - 116	*	1/5/2017	16:37
Pentafluorobenzene	**91.0**	88.7 - 112		1/5/2017	16:37
Toluene-D8	**92.3**	79.1 - 120		1/5/2017	16:37

Internal standard outliers indicate probable matrix interference

Method Reference(s): EPA 8260C
EPA 5035A - L

Data File: x38312.D

This sample was not collected following SW846 5035A specifications. Accordingly, any Volatiles soil results that are less than 200 ug/Kg, including Non Detects, may be biased low, per ELAP method 5035 guidance document from 11/15/2012.

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 165593

Client: **C&S Companies**

Project Reference: 100 Dona Street

Sample Identifier:	SS-11		
Lab Sample ID:	165593-11	**Date Sampled:**	12/28/2016
Matrix:	Soil	**Date Received:**	12/30/2016

Mercury

Analyte	Result	Units	Qualifier	Date Analyzed
Mercury	**0.113**	mg/Kg		1/3/2017 17:05

Method Reference(s): EPA 7471B
Preparation Date: 1/3/2017
Data File: Hg170103A

FINAL

This report is part of a multipage document and should only be evaluated in its entirety. The Chain of Custody provides additional sample information, including compliance with the sample condition requirements upon receipt.

Report Prepared Monday, January 09, 2017

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 165593

Client: **C&S Companies**

Project Reference: 100 Dona Street

Sample Identifier: SS-11
Lab Sample ID: 165593-11 **Date Sampled:** 12/28/2016
Matrix: Soil **Date Received:** 12/30/2016

TAL Metals (ICP)

Analyte	Result	Units	Qualifier	Date Analyzed
Aluminum	**8540**	mg/Kg		1/4/2017 17:34
Antimony	< 3.97	mg/Kg		1/4/2017 17:34
Arsenic	**11.9**	mg/Kg		1/4/2017 17:34
Barium	**64.2**	mg/Kg		1/4/2017 17:34
Beryllium	**0.546**	mg/Kg		1/4/2017 17:34
Cadmium	**1.90**	mg/Kg		1/4/2017 17:34
Calcium	**10500**	mg/Kg		1/3/2017 19:34
Chromium	**47.7**	mg/Kg		1/4/2017 17:34
Cobalt	**6.63**	mg/Kg		1/4/2017 17:34
Copper	**39.1**	mg/Kg		1/4/2017 17:34
Iron	**26100**	mg/Kg		1/4/2017 17:34
Lead	**148**	mg/Kg		1/4/2017 17:34
Magnesium	**3770**	mg/Kg		1/4/2017 17:34
Manganese	**1310**	mg/Kg		1/4/2017 19:12
Nickel	**19.6**	mg/Kg		1/4/2017 17:34
Potassium	**1150**	mg/Kg		1/4/2017 17:34
Selenium	**1.09**	mg/Kg		1/4/2017 17:34
Silver	< 0.661	mg/Kg		1/4/2017 17:34
Sodium	< 165	mg/Kg		1/4/2017 17:34
Thallium	< 1.65	mg/Kg		1/4/2017 17:34
Vanadium	**32.4**	mg/Kg		1/4/2017 17:34
Zinc	**369**	mg/Kg		1/4/2017 17:34

Method Reference(s): EPA 6010C
EPA 3050B
Preparation Date: 1/3/2017
Data File: 010317b

Report Prepared Monday, January 09, 2017

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 165593

Client: **C&S Companies**

Project Reference: 100 Dona Street

Sample Identifier: SS-11
Lab Sample ID: 165593-11 **Date Sampled:** 12/28/2016
Matrix: Soil **Date Received:** 12/30/2016

PCBs

Analyte	Result	Units	Qualifier	Date Analyzed
PCB-1016	< 0.0386	mg/Kg		1/5/2017 18:25
PCB-1221	< 0.0386	mg/Kg		1/5/2017 18:25
PCB-1232	< 0.0386	mg/Kg		1/5/2017 18:25
PCB-1242	< 0.0386	mg/Kg		1/5/2017 18:25
PCB-1248	< 0.0386	mg/Kg		1/5/2017 18:25
PCB-1254	< 0.0386	mg/Kg		1/5/2017 18:25
PCB-1260	< 0.0386	mg/Kg		1/5/2017 18:25
PCB-1262	< 0.0386	mg/Kg		1/5/2017 18:25
PCB-1268	< 0.0386	mg/Kg		1/5/2017 18:25

Surrogate	Percent Recovery	Limits	Outliers	Date Analyzed
Decachlorobiphenyl	**40.9**	10 - 144		1/5/2017 18:25
Tetrachloro-m-xylene	**22.4**	10 - 140		1/5/2017 18:25

Method Reference(s): EPA 8082A
EPA 3550C
Preparation Date: 1/4/2017

Report Prepared Monday, January 09, 2017

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 165593

Client: **C&S Companies**

Project Reference: 100 Dona Street

Sample Identifier: SS-11
Lab Sample ID: 165593-11 **Date Sampled:** 12/28/2016
Matrix: Soil **Date Received:** 12/30/2016

Semi-Volatile Organics (Acid/Base Neutrals)

Analyte	Result	Units	Qualifier	Date Analyzed
1,1-Biphenyl	< 384	ug/Kg		1/5/2017 03:20
1,2,4,5-Tetrachlorobenzene	< 384	ug/Kg		1/5/2017 03:20
1,2,4-Trichlorobenzene	< 384	ug/Kg		1/5/2017 03:20
1,2-Dichlorobenzene	< 384	ug/Kg		1/5/2017 03:20
1,3-Dichlorobenzene	< 384	ug/Kg		1/5/2017 03:20
1,4-Dichlorobenzene	< 384	ug/Kg		1/5/2017 03:20
2,2-Oxybis (1-chloropropane)	< 384	ug/Kg		1/5/2017 03:20
2,3,4,6-Tetrachlorophenol	< 384	ug/Kg		1/5/2017 03:20
2,4,5-Trichlorophenol	< 768	ug/Kg		1/5/2017 03:20
2,4,6-Trichlorophenol	< 384	ug/Kg		1/5/2017 03:20
2,4-Dichlorophenol	< 384	ug/Kg		1/5/2017 03:20
2,4-Dimethylphenol	< 384	ug/Kg		1/5/2017 03:20
2,4-Dinitrophenol	< 768	ug/Kg		1/5/2017 03:20
2,4-Dinitrotoluene	< 384	ug/Kg		1/5/2017 03:20
2,6-Dinitrotoluene	< 384	ug/Kg		1/5/2017 03:20
2-Chloronaphthalene	< 384	ug/Kg		1/5/2017 03:20
2-Chlorophenol	< 384	ug/Kg		1/5/2017 03:20
2-Methylnapthalene	< 384	ug/Kg		1/5/2017 03:20
2-Methylphenol	< 384	ug/Kg		1/5/2017 03:20
2-Nitroaniline	< 768	ug/Kg		1/5/2017 03:20
2-Nitrophenol	< 384	ug/Kg		1/5/2017 03:20
3&4-Methylphenol	< 384	ug/Kg		1/5/2017 03:20
3,3'-Dichlorobenzidine	< 384	ug/Kg		1/5/2017 03:20
3-Nitroaniline	< 768	ug/Kg		1/5/2017 03:20
4,6-Dinitro-2-methylphenol	< 768	ug/Kg		1/5/2017 03:20
4-Bromophenyl phenyl ether	< 384	ug/Kg		1/5/2017 03:20
4-Chloro-3-methylphenol	< 384	ug/Kg		1/5/2017 03:20

Report Prepared Monday, January 09, 2017

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 165593

Client: **C&S Companies**

Project Reference: 100 Dona Street

Sample Identifier: SS-11
Lab Sample ID: 165593-11
Matrix: Soil
Date Sampled: 12/28/2016
Date Received: 12/30/2016

4-Chloroaniline	< 384	ug/Kg		1/5/2017	03:20
4-Chlorophenyl phenyl ether	< 384	ug/Kg		1/5/2017	03:20
4-Nitroaniline	< 768	ug/Kg		1/5/2017	03:20
4-Nitrophenol	< 768	ug/Kg		1/5/2017	03:20
Acenaphthene	< 384	ug/Kg		1/5/2017	03:20
Acenaphthylene	< 384	ug/Kg		1/5/2017	03:20
Acetophenone	< 384	ug/Kg		1/5/2017	03:20
Anthracene	**406**	ug/Kg		1/5/2017	03:20
Atrazine	< 384	ug/Kg		1/5/2017	03:20
Benzaldehyde	< 384	ug/Kg		1/5/2017	03:20
Benzo (a) anthracene	**1410**	ug/Kg		1/5/2017	03:20
Benzo (a) pyrene	**1260**	ug/Kg		1/5/2017	03:20
Benzo (b) fluoranthene	**1440**	ug/Kg		1/5/2017	03:20
Benzo (g,h,i) perylene	**842**	ug/Kg		1/5/2017	03:20
Benzo (k) fluoranthene	**859**	ug/Kg		1/5/2017	03:20
Bis (2-chloroethoxy) methane	< 384	ug/Kg		1/5/2017	03:20
Bis (2-chloroethyl) ether	< 384	ug/Kg		1/5/2017	03:20
Bis (2-ethylhexyl) phthalate	< 384	ug/Kg		1/5/2017	03:20
Butylbenzylphthalate	< 384	ug/Kg		1/5/2017	03:20
Caprolactam	< 384	ug/Kg		1/5/2017	03:20
Carbazole	**223**	ug/Kg	J	1/5/2017	03:20
Chrysene	**1520**	ug/Kg		1/5/2017	03:20
Dibenz (a,h) anthracene	**377**	ug/Kg	J	1/5/2017	03:20
Dibenzofuran	< 384	ug/Kg		1/5/2017	03:20
Diethyl phthalate	< 384	ug/Kg		1/5/2017	03:20
Dimethyl phthalate	< 768	ug/Kg		1/5/2017	03:20
Di-n-butyl phthalate	< 384	ug/Kg		1/5/2017	03:20
Di-n-octylphthalate	< 384	ug/Kg		1/5/2017	03:20
Fluoranthene	**2970**	ug/Kg		1/5/2017	03:20
Fluorene	< 384	ug/Kg		1/5/2017	03:20

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 165593

Client: **C&S Companies**

Project Reference: 100 Dona Street

Sample Identifier: SS-11
Lab Sample ID: 165593-11
Matrix: Soil
Date Sampled: 12/28/2016
Date Received: 12/30/2016

Hexachlorobenzene	< 384	ug/Kg		1/5/2017 03:20
Hexachlorobutadiene	< 384	ug/Kg		1/5/2017 03:20
Hexachlorocyclopentadiene	< 384	ug/Kg		1/5/2017 03:20
Hexachloroethane	< 384	ug/Kg		1/5/2017 03:20
Indeno (1,2,3-cd) pyrene	**652**	ug/Kg		1/5/2017 03:20
Isophorone	< 384	ug/Kg		1/5/2017 03:20
Naphthalene	< 384	ug/Kg		1/5/2017 03:20
Nitrobenzene	< 384	ug/Kg		1/5/2017 03:20
N-Nitroso-di-n-propylamine	< 384	ug/Kg		1/5/2017 03:20
N-Nitrosodiphenylamine	< 384	ug/Kg		1/5/2017 03:20
Pentachlorophenol	< 768	ug/Kg		1/5/2017 03:20
Phenanthrene	**1520**	ug/Kg		1/5/2017 03:20
Phenol	< 384	ug/Kg		1/5/2017 03:20
Pyrene	**2260**	ug/Kg		1/5/2017 03:20

Surrogate	Percent Recovery	Limits	Outliers	Date Analyzed
2,4,6-Tribromophenol	**61.5**	38 - 114		1/5/2017 03:20
2-Fluorobiphenyl	**44.5**	25 - 105		1/5/2017 03:20
2-Fluorophenol	**40.3**	30.8 - 84		1/5/2017 03:20
Nitrobenzene-d5	**39.5**	28.5 - 84.9		1/5/2017 03:20
Phenol-d5	**42.5**	32.5 - 89.6		1/5/2017 03:20
Terphenyl-d14	**59.0**	55.5 - 117		1/5/2017 03:20

Method Reference(s): EPA 8270D
EPA 3550C
Preparation Date: 1/4/2017
Data File: B16346.D

Report Prepared Monday, January 09, 2017

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 165593

Client: **C&S Companies**

Project Reference: 100 Dona Street

Sample Identifier: SS-11
Lab Sample ID: 165593-11 **Date Sampled:** 12/28/2016
Matrix: Soil **Date Received:** 12/30/2016

Volatile Organics

Analyte	Result	Units	Qualifier	Date Analyzed
1,1,1-Trichloroethane	< 4.12	ug/Kg		1/5/2017 17:01
1,1,2,2-Tetrachloroethane	< 4.12	ug/Kg		1/5/2017 17:01
1,1,2-Trichloroethane	< 4.12	ug/Kg		1/5/2017 17:01
1,1-Dichloroethane	< 4.12	ug/Kg	L	1/5/2017 17:01
1,1-Dichloroethene	< 4.12	ug/Kg		1/5/2017 17:01
1,2,3-Trichlorobenzene	< 10.3	ug/Kg		1/5/2017 17:01
1,2,4-Trichlorobenzene	< 10.3	ug/Kg		1/5/2017 17:01
1,2-Dibromo-3-Chloropropane	< 20.6	ug/Kg		1/5/2017 17:01
1,2-Dibromoethane	< 4.12	ug/Kg		1/5/2017 17:01
1,2-Dichlorobenzene	< 4.12	ug/Kg		1/5/2017 17:01
1,2-Dichloroethane	< 4.12	ug/Kg		1/5/2017 17:01
1,2-Dichloropropane	< 4.12	ug/Kg		1/5/2017 17:01
1,3-Dichlorobenzene	< 4.12	ug/Kg		1/5/2017 17:01
1,4-Dichlorobenzene	< 4.12	ug/Kg		1/5/2017 17:01
1,4-dioxane	< 41.2	ug/Kg		1/5/2017 17:01
2-Butanone	< 20.6	ug/Kg		1/5/2017 17:01
2-Hexanone	< 10.3	ug/Kg		1/5/2017 17:01
4-Methyl-2-pentanone	< 10.3	ug/Kg		1/5/2017 17:01
Acetone	< 20.6	ug/Kg		1/5/2017 17:01
Benzene	< 4.12	ug/Kg		1/5/2017 17:01
Bromochloromethane	< 10.3	ug/Kg		1/5/2017 17:01
Bromodichloromethane	< 4.12	ug/Kg		1/5/2017 17:01
Bromoform	< 10.3	ug/Kg		1/5/2017 17:01
Bromomethane	< 4.12	ug/Kg		1/5/2017 17:01
Carbon disulfide	< 4.12	ug/Kg		1/5/2017 17:01
Carbon Tetrachloride	< 4.12	ug/Kg		1/5/2017 17:01
Chlorobenzene	< 4.12	ug/Kg		1/5/2017 17:01

Report Prepared Monday, January 09, 2017

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 165593

Client: **C&S Companies**

Project Reference: 100 Dona Street

Sample Identifier: SS-11
Lab Sample ID: 165593-11
Matrix: Soil

Date Sampled: 12/28/2016
Date Received: 12/30/2016

Chloroethane	< 4.12	ug/Kg		1/5/2017	17:01
Chloroform	< 4.12	ug/Kg		1/5/2017	17:01
Chloromethane	< 4.12	ug/Kg		1/5/2017	17:01
cis-1,2-Dichloroethene	< 4.12	ug/Kg		1/5/2017	17:01
cis-1,3-Dichloropropene	< 4.12	ug/Kg		1/5/2017	17:01
Cyclohexane	< 20.6	ug/Kg		1/5/2017	17:01
Dibromochloromethane	< 4.12	ug/Kg		1/5/2017	17:01
Dichlorodifluoromethane	< 4.12	ug/Kg		1/5/2017	17:01
Ethylbenzene	< 4.12	ug/Kg		1/5/2017	17:01
Freon 113	< 4.12	ug/Kg		1/5/2017	17:01
Isopropylbenzene	< 4.12	ug/Kg		1/5/2017	17:01
m,p-Xylene	< 4.12	ug/Kg		1/5/2017	17:01
Methyl acetate	< 4.12	ug/Kg		1/5/2017	17:01
Methyl tert-butyl Ether	< 4.12	ug/Kg		1/5/2017	17:01
Methylcyclohexane	< 4.12	ug/Kg		1/5/2017	17:01
Methylene chloride	**5.28**	ug/Kg	J	1/5/2017	17:01
o-Xylene	< 4.12	ug/Kg		1/5/2017	17:01
Styrene	< 10.3	ug/Kg		1/5/2017	17:01
Tetrachloroethene	< 4.12	ug/Kg		1/5/2017	17:01
Toluene	< 4.12	ug/Kg		1/5/2017	17:01
trans-1,2-Dichloroethene	< 4.12	ug/Kg		1/5/2017	17:01
trans-1,3-Dichloropropene	< 4.12	ug/Kg		1/5/2017	17:01
Trichloroethene	< 4.12	ug/Kg		1/5/2017	17:01
Trichlorofluoromethane	< 4.12	ug/Kg		1/5/2017	17:01
Vinyl chloride	< 4.12	ug/Kg		1/5/2017	17:01

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 165593

Client: **C&S Companies**

Project Reference: 100 Dona Street

Sample Identifier: SS-11
Lab Sample ID: 165593-11 **Date Sampled:** 12/28/2016
Matrix: Soil **Date Received:** 12/30/2016

Surrogate	Percent Recovery	Limits	Outliers	Date Analyzed
1,2-Dichloroethane-d4	**105**	82 - 124		1/5/2017 17:01
4-Bromofluorobenzene	**71.3**	80.5 - 116	*	1/5/2017 17:01
Pentafluorobenzene	**90.9**	88.7 - 112		1/5/2017 17:01
Toluene-D8	**91.2**	79.1 - 120		1/5/2017 17:01

Internal standard outliers indicate probable matrix interference

Method Reference(s): EPA 8260C
EPA 5035A - L

Data File: x38313.D

This sample was not collected following SW846 5035A specifications. Accordingly, any Volatiles soil results that are less than 200 ug/Kg, including Non Detects, may be biased low, per ELAP method 5035 guidance document from 11/15/2012.

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 165593

Client: **C&S Companies**

Project Reference: 100 Dona Street

Sample Identifier:	SS-12		
Lab Sample ID:	165593-12	**Date Sampled:**	12/28/2016
Matrix:	Soil	**Date Received:**	12/30/2016

Mercury

Analyte	Result	Units	Qualifier	Date Analyzed
Mercury	**0.0964**	mg/Kg		1/3/2017 17:09

Method Reference(s): EPA 7471B
Preparation Date: 1/3/2017
Data File: Hg170103A

FINAL

This report is part of a multipage document and should only be evaluated in its entirety. The Chain of Custody provides additional sample information, including compliance with the sample condition requirements upon receipt.

Report Prepared Monday, January 09, 2017

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 165593

Client: **C&S Companies**

Project Reference: 100 Dona Street

Sample Identifier: SS-12
Lab Sample ID: 165593-12 **Date Sampled:** 12/28/2016
Matrix: Soil **Date Received:** 12/30/2016

TAL Metals (ICP)

Analyte	Result	Units	Qualifier	Date Analyzed
Aluminum	**8760**	mg/Kg		1/4/2017 17:39
Antimony	< 3.66	mg/Kg		1/4/2017 17:39
Arsenic	**11.5**	mg/Kg		1/4/2017 17:39
Barium	**73.0**	mg/Kg		1/4/2017 17:39
Beryllium	**0.544**	mg/Kg		1/4/2017 17:39
Cadmium	**1.63**	mg/Kg		1/4/2017 17:39
Calcium	**17300**	mg/Kg		1/3/2017 19:38
Chromium	**31.9**	mg/Kg		1/4/2017 17:39
Cobalt	**6.26**	mg/Kg		1/4/2017 17:39
Copper	**57.7**	mg/Kg		1/4/2017 17:39
Iron	**23400**	mg/Kg		1/4/2017 17:39
Lead	**143**	mg/Kg		1/4/2017 17:39
Magnesium	**4970**	mg/Kg		1/4/2017 17:39
Manganese	**910**	mg/Kg		1/4/2017 19:16
Nickel	**18.8**	mg/Kg		1/4/2017 17:39
Potassium	**1110**	mg/Kg		1/4/2017 17:39
Selenium	**1.47**	mg/Kg		1/4/2017 17:39
Silver	< 0.609	mg/Kg		1/4/2017 17:39
Sodium	**82.4**	mg/Kg	J	1/4/2017 17:39
Thallium	< 1.52	mg/Kg		1/4/2017 17:39
Vanadium	**27.2**	mg/Kg		1/4/2017 17:39
Zinc	**380**	mg/Kg		1/4/2017 17:39

Method Reference(s): EPA 6010C
EPA 3050B
Preparation Date: 1/3/2017
Data File: 010317b

Report Prepared Monday, January 09, 2017

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 165593

Client: **C&S Companies**

Project Reference: 100 Dona Street

Sample Identifier: SS-12
Lab Sample ID: 165593-12 **Date Sampled:** 12/28/2016
Matrix: Soil **Date Received:** 12/30/2016

PCBs

Analyte	Result	Units	Qualifier	Date Analyzed
PCB-1016	< 0.0394	mg/Kg		1/5/2017 18:47
PCB-1221	< 0.0394	mg/Kg		1/5/2017 18:47
PCB-1232	< 0.0394	mg/Kg		1/5/2017 18:47
PCB-1242	< 0.0394	mg/Kg		1/5/2017 18:47
PCB-1248	< 0.0394	mg/Kg		1/5/2017 18:47
PCB-1254	< 0.0394	mg/Kg		1/5/2017 18:47
PCB-1260	< 0.0394	mg/Kg		1/5/2017 18:47
PCB-1262	< 0.0394	mg/Kg		1/5/2017 18:47
PCB-1268	< 0.0394	mg/Kg		1/5/2017 18:47

Surrogate	Percent Recovery	Limits	Outliers	Date Analyzed
Decachlorobiphenyl	**40.5**	10 - 144		1/5/2017 18:47
Tetrachloro-m-xylene	**27.3**	10 - 140		1/5/2017 18:47

Method Reference(s): EPA 8082A
EPA 3550C
Preparation Date: 1/4/2017

Report Prepared Monday, January 09, 2017

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 165593

Client: **C&S Companies**

Project Reference: 100 Dona Street

Sample Identifier: SS-12
Lab Sample ID: 165593-12 **Date Sampled:** 12/28/2016
Matrix: Soil **Date Received:** 12/30/2016

Semi-Volatile Organics (Acid/Base Neutrals)

Analyte	Result	Units	Qualifier	Date Analyzed
1,1-Biphenyl	< 1930	ug/Kg		1/6/2017 18:05
1,2,4,5-Tetrachlorobenzene	< 1930	ug/Kg		1/6/2017 18:05
1,2,4-Trichlorobenzene	< 1930	ug/Kg		1/6/2017 18:05
1,2-Dichlorobenzene	< 1930	ug/Kg		1/6/2017 18:05
1,3-Dichlorobenzene	< 1930	ug/Kg		1/6/2017 18:05
1,4-Dichlorobenzene	< 1930	ug/Kg		1/6/2017 18:05
2,2-Oxybis (1-chloropropane)	< 1930	ug/Kg		1/6/2017 18:05
2,3,4,6-Tetrachlorophenol	< 1930	ug/Kg		1/6/2017 18:05
2,4,5-Trichlorophenol	< 3860	ug/Kg		1/6/2017 18:05
2,4,6-Trichlorophenol	< 1930	ug/Kg		1/6/2017 18:05
2,4-Dichlorophenol	< 1930	ug/Kg		1/6/2017 18:05
2,4-Dimethylphenol	< 1930	ug/Kg		1/6/2017 18:05
2,4-Dinitrophenol	< 3860	ug/Kg		1/6/2017 18:05
2,4-Dinitrotoluene	< 1930	ug/Kg		1/6/2017 18:05
2,6-Dinitrotoluene	< 1930	ug/Kg		1/6/2017 18:05
2-Chloronaphthalene	< 1930	ug/Kg		1/6/2017 18:05
2-Chlorophenol	< 1930	ug/Kg		1/6/2017 18:05
2-Methylnapthalene	< 1930	ug/Kg		1/6/2017 18:05
2-Methylphenol	< 1930	ug/Kg		1/6/2017 18:05
2-Nitroaniline	< 3860	ug/Kg		1/6/2017 18:05
2-Nitrophenol	< 1930	ug/Kg		1/6/2017 18:05
3&4-Methylphenol	< 1930	ug/Kg		1/6/2017 18:05
3,3'-Dichlorobenzidine	< 1930	ug/Kg		1/6/2017 18:05
3-Nitroaniline	< 3860	ug/Kg		1/6/2017 18:05
4,6-Dinitro-2-methylphenol	< 3860	ug/Kg		1/6/2017 18:05
4-Bromophenyl phenyl ether	< 1930	ug/Kg		1/6/2017 18:05
4-Chloro-3-methylphenol	< 1930	ug/Kg		1/6/2017 18:05

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 165593

Client: **C&S Companies**

Project Reference: 100 Dona Street

Sample Identifier: SS-12
Lab Sample ID: 165593-12
Matrix: Soil
Date Sampled: 12/28/2016
Date Received: 12/30/2016

4-Chloroaniline	< 1930	ug/Kg		1/6/2017	18:05
4-Chlorophenyl phenyl ether	< 1930	ug/Kg		1/6/2017	18:05
4-Nitroaniline	< 3860	ug/Kg		1/6/2017	18:05
4-Nitrophenol	< 3860	ug/Kg		1/6/2017	18:05
Acenaphthene	< 1930	ug/Kg		1/6/2017	18:05
Acenaphthylene	< 1930	ug/Kg		1/6/2017	18:05
Acetophenone	< 1930	ug/Kg		1/6/2017	18:05
Anthracene	**2110**	ug/Kg		1/6/2017	18:05
Atrazine	< 1930	ug/Kg		1/6/2017	18:05
Benzaldehyde	< 1930	ug/Kg		1/6/2017	18:05
Benzo (a) anthracene	**5130**	ug/Kg		1/6/2017	18:05
Benzo (a) pyrene	**4480**	ug/Kg		1/6/2017	18:05
Benzo (b) fluoranthene	**4350**	ug/Kg		1/6/2017	18:05
Benzo (g,h,i) perylene	**2850**	ug/Kg		1/6/2017	18:05
Benzo (k) fluoranthene	**3320**	ug/Kg		1/6/2017	18:05
Bis (2-chloroethoxy) methane	< 1930	ug/Kg		1/6/2017	18:05
Bis (2-chloroethyl) ether	< 1930	ug/Kg		1/6/2017	18:05
Bis (2-ethylhexyl) phthalate	< 1930	ug/Kg		1/6/2017	18:05
Butylbenzylphthalate	< 1930	ug/Kg		1/6/2017	18:05
Caprolactam	< 1930	ug/Kg		1/6/2017	18:05
Carbazole	**1090**	ug/Kg	J	1/6/2017	18:05
Chrysene	**5080**	ug/Kg		1/6/2017	18:05
Dibenz (a,h) anthracene	**1370**	ug/Kg	J	1/6/2017	18:05
Dibenzofuran	< 1930	ug/Kg		1/6/2017	18:05
Diethyl phthalate	< 1930	ug/Kg		1/6/2017	18:05
Dimethyl phthalate	< 3860	ug/Kg		1/6/2017	18:05
Di-n-butyl phthalate	< 1930	ug/Kg		1/6/2017	18:05
Di-n-octylphthalate	< 1930	ug/Kg		1/6/2017	18:05
Fluoranthene	**11500**	ug/Kg		1/6/2017	18:05
Fluorene	< 1930	ug/Kg		1/6/2017	18:05

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 165593

Client: **C&S Companies**

Project Reference: 100 Dona Street

Sample Identifier: SS-12
Lab Sample ID: 165593-12 **Date Sampled:** 12/28/2016
Matrix: Soil **Date Received:** 12/30/2016

Hexachlorobenzene	< 1930	ug/Kg	1/6/2017	18:05
Hexachlorobutadiene	< 1930	ug/Kg	1/6/2017	18:05
Hexachlorocyclopentadiene	< 1930	ug/Kg	1/6/2017	18:05
Hexachloroethane	< 1930	ug/Kg	1/6/2017	18:05
Indeno (1,2,3-cd) pyrene	**2130**	ug/Kg	1/6/2017	18:05
Isophorone	< 1930	ug/Kg	1/6/2017	18:05
Naphthalene	< 1930	ug/Kg	1/6/2017	18:05
Nitrobenzene	< 1930	ug/Kg	1/6/2017	18:05
N-Nitroso-di-n-propylamine	< 1930	ug/Kg	1/6/2017	18:05
N-Nitrosodiphenylamine	< 1930	ug/Kg	1/6/2017	18:05
Pentachlorophenol	< 3860	ug/Kg	1/6/2017	18:05
Phenanthrene	**8320**	ug/Kg	1/6/2017	18:05
Phenol	< 1930	ug/Kg	1/6/2017	18:05
Pyrene	**9110**	ug/Kg	1/6/2017	18:05

Surrogate	Percent Recovery	Limits	Outliers	Date Analyzed	
2,4,6-Tribromophenol	**70.6**	38 - 114		1/6/2017	18:05
2-Fluorobiphenyl	**57.1**	25 - 105		1/6/2017	18:05
2-Fluorophenol	**49.7**	30.8 - 84		1/6/2017	18:05
Nitrobenzene-d5	**49.2**	28.5 - 84.9		1/6/2017	18:05
Phenol-d5	**57.7**	32.5 - 89.6		1/6/2017	18:05
Terphenyl-d14	**79.2**	55.5 - 117		1/6/2017	18:05

Method Reference(s): EPA 8270D
EPA 3550C
Preparation Date: 1/4/2017
Data File: B16388.D

Report Prepared Monday, January 09, 2017

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 165593

Client: **C&S Companies**

Project Reference: 100 Dona Street

Sample Identifier:	SS-12		
Lab Sample ID:	165593-12	**Date Sampled:**	12/28/2016
Matrix:	Soil	**Date Received:**	12/30/2016

Volatile Organics

Analyte	Result	Units	Qualifier	Date Analyzed
1,1,1-Trichloroethane	< 4.82	ug/Kg		1/5/2017 17:26
1,1,2,2-Tetrachloroethane	< 4.82	ug/Kg		1/5/2017 17:26
1,1,2-Trichloroethane	< 4.82	ug/Kg		1/5/2017 17:26
1,1-Dichloroethane	< 4.82	ug/Kg	L	1/5/2017 17:26
1,1-Dichloroethene	< 4.82	ug/Kg		1/5/2017 17:26
1,2,3-Trichlorobenzene	< 12.0	ug/Kg		1/5/2017 17:26
1,2,4-Trichlorobenzene	< 12.0	ug/Kg		1/5/2017 17:26
1,2-Dibromo-3-Chloropropane	< 24.1	ug/Kg		1/5/2017 17:26
1,2-Dibromoethane	< 4.82	ug/Kg		1/5/2017 17:26
1,2-Dichlorobenzene	< 4.82	ug/Kg		1/5/2017 17:26
1,2-Dichloroethane	< 4.82	ug/Kg		1/5/2017 17:26
1,2-Dichloropropane	< 4.82	ug/Kg		1/5/2017 17:26
1,3-Dichlorobenzene	< 4.82	ug/Kg		1/5/2017 17:26
1,4-Dichlorobenzene	< 4.82	ug/Kg		1/5/2017 17:26
1,4-dioxane	< 48.2	ug/Kg		1/5/2017 17:26
2-Butanone	< 24.1	ug/Kg		1/5/2017 17:26
2-Hexanone	< 12.0	ug/Kg		1/5/2017 17:26
4-Methyl-2-pentanone	< 12.0	ug/Kg		1/5/2017 17:26
Acetone	< 24.1	ug/Kg		1/5/2017 17:26
Benzene	< 4.82	ug/Kg		1/5/2017 17:26
Bromochloromethane	< 12.0	ug/Kg		1/5/2017 17:26
Bromodichloromethane	< 4.82	ug/Kg		1/5/2017 17:26
Bromoform	< 12.0	ug/Kg		1/5/2017 17:26
Bromomethane	< 4.82	ug/Kg		1/5/2017 17:26
Carbon disulfide	< 4.82	ug/Kg		1/5/2017 17:26
Carbon Tetrachloride	< 4.82	ug/Kg		1/5/2017 17:26
Chlorobenzene	< 4.82	ug/Kg		1/5/2017 17:26

Report Prepared Monday, January 09, 2017

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 165593

Client: **C&S Companies**

Project Reference: 100 Dona Street

Sample Identifier: SS-12
Lab Sample ID: 165593-12
Matrix: Soil

Date Sampled: 12/28/2016
Date Received: 12/30/2016

Chloroethane	< 4.82	ug/Kg		1/5/2017	17:26
Chloroform	< 4.82	ug/Kg		1/5/2017	17:26
Chloromethane	< 4.82	ug/Kg		1/5/2017	17:26
cis-1,2-Dichloroethene	< 4.82	ug/Kg		1/5/2017	17:26
cis-1,3-Dichloropropene	< 4.82	ug/Kg		1/5/2017	17:26
Cyclohexane	< 24.1	ug/Kg		1/5/2017	17:26
Dibromochloromethane	< 4.82	ug/Kg		1/5/2017	17:26
Dichlorodifluoromethane	< 4.82	ug/Kg		1/5/2017	17:26
Ethylbenzene	< 4.82	ug/Kg		1/5/2017	17:26
Freon 113	< 4.82	ug/Kg		1/5/2017	17:26
Isopropylbenzene	< 4.82	ug/Kg		1/5/2017	17:26
m,p-Xylene	< 4.82	ug/Kg		1/5/2017	17:26
Methyl acetate	< 4.82	ug/Kg		1/5/2017	17:26
Methyl tert-butyl Ether	< 4.82	ug/Kg		1/5/2017	17:26
Methylcyclohexane	< 4.82	ug/Kg		1/5/2017	17:26
Methylene chloride	**10.0**	ug/Kg	J	1/5/2017	17:26
o-Xylene	< 4.82	ug/Kg		1/5/2017	17:26
Styrene	< 12.0	ug/Kg		1/5/2017	17:26
Tetrachloroethene	< 4.82	ug/Kg		1/5/2017	17:26
Toluene	< 4.82	ug/Kg		1/5/2017	17:26
trans-1,2-Dichloroethene	< 4.82	ug/Kg		1/5/2017	17:26
trans-1,3-Dichloropropene	< 4.82	ug/Kg		1/5/2017	17:26
Trichloroethene	< 4.82	ug/Kg		1/5/2017	17:26
Trichlorofluoromethane	< 4.82	ug/Kg		1/5/2017	17:26
Vinyl chloride	< 4.82	ug/Kg		1/5/2017	17:26

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 165593

Client: **C&S Companies**

Project Reference: 100 Dona Street

Sample Identifier: SS-12
Lab Sample ID: 165593-12 **Date Sampled:** 12/28/2016
Matrix: Soil **Date Received:** 12/30/2016

Surrogate	Percent Recovery	Limits	Outliers	Date Analyzed	
1,2-Dichloroethane-d4	**107**	82 - 124		1/5/2017	17:26
4-Bromofluorobenzene	**73.9**	80.5 - 116	*	1/5/2017	17:26
Pentafluorobenzene	**92.3**	88.7 - 112		1/5/2017	17:26
Toluene-D8	**92.5**	79.1 - 120		1/5/2017	17:26

Internal standard outliers indicate probable matrix interference

Method Reference(s): EPA 8260C
EPA 5035A - L

Data File: x38314.D

This sample was not collected following SW846 5035A specifications. Accordingly, any Volatiles soil results that are less than 200 ug/Kg, including Non Detects, may be biased low, per ELAP method 5035 guidance document from 11/15/2012.

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Analytical Report Appendix

The reported results relate only to the samples as they have been received by the laboratory.

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All soil/sludge samples have been reported on a dry weight basis, unless qualified "reported as received". Other solids are reported as received.

Low level Volatiles blank reports for soil/solid matrix are based on a nominal 5 gram weight. Sample results and reporting limits are based on actual weight, which may be more or less than 5 grams.

The Chain of Custody provides additional information, including compliance with sample condition requirements upon receipt. Sample condition requirements are defined under the 2003 NELAC Standard, sections 5.5.8.3.1 and 5.5.8.3.2.

NYSDOH ELAP does not certify for all parameters. Paradigm Environmental Services or the indicated subcontracted laboratory does hold certification for all analytes where certification is offered by ELAP unless otherwise specified. Aliquots separated for certain tests, such as TCLP, are indicated on the Chain of Custody and final reports with an "A" suffix.

Data qualifiers are used, when necessary, to provide additional information about the data. This information may be communicated as a flag or as text at the bottom of the report. Please refer to the following list of analyte-specific, frequently used data flags and their meaning:

"<" = Analyzed for but not detected at or above the quantitation limit.
"E" = Result has been estimated, calibration limit exceeded.
"Z" = See case narrative.
"D" = Sample, Laboratory Control Sample, or Matrix Spike Duplicate results above Relative Percent Difference limit.
"M" = Matrix spike recoveries outside QC limits. Matrix bias indicated.
"B" = Method blank contained trace levels of analyte. Refer to included method blank report.
"J" = Result estimated between the quantitation limit and half the quantitation limit.
"L" = Laboratory Control Sample recovery outside accepted QC limits.
"P" = Concentration differs by more than 40% between the primary and secondary analytical columns.
"NC" = Not calculable. Applicable to RPD if sample or duplicate result is non-detect or estimated (see primary report for data flags). Applicable to MS if sample is greater or equal to ten times the spike added. Applicable to sample surrogates or MS if sample dilution is 10x or higher.
"" = Indicates any recoveries outside associated acceptance windows. Surrogate outliers in samples are presumed matrix effects. LCS demonstrates method compliance unless otherwise noted.*
"(1)" = Indicates data from primary column used for QC calculation.
"A" = denotes a parameter for which ELAP does not offer approval as part of their laboratory certification program.
"F" = denotes a parameter for which Paradigm does not carry certification, the results for which should therefore only be used where ELAP certification is not required, such as personal exposure assessment.

GENERAL TERMS AND CONDITIONS
LABORATORY SERVICES

These Terms and Conditions embody the whole agreement of the parties in the absence of a signed and executed contract between the Laboratory (LAB) and Client. They shall supersede all previous communications, representations, or agreements, either verbal or written, between the parties. The LAB specifically rejects all additional, inconsistent, or conflicting terms, whether printed or otherwise set forth in any purchase order or other communication from the Client to the LAB. The invalidity or unenforceability in whole or in part of any provision, term, or condition hereof shall not affect in any way the validity or enforceability of the remainder of the Terms and Conditions. No waiver by LAB of any provision, term, or condition hereof or of any breach by or obligation of the Client hereunder shall constitute a waiver of such provision, term, or condition on any other occasion or a waiver of any other breach by or obligation of the Client. This agreement shall be administered and interpreted under the laws of the state which services are procured.

Warranty. Recognizing that the nature of many samples is unknown and that some may contain potentially hazardous components, LAB warrants only that it will perform testing services, obtain findings, and prepare reports in accordance with generally accepted analytical laboratory principles and practices at the time of performance of services. LAB makes no other warranty, express or implied.

Scope and Compensation. LAB agrees to perform the services described in the chain of custody to which these terms and conditions are attached. Unless the parties agree in writing to the contrary, the duties of LAB shall not be construed to exceed the services specifically described. LAB will use LAB default method for all tests unless specified otherwise on the Work Order.
Payment terms are net 30 days from the date of invoice. All overdue payments are subject to an interest charge of one and one-half percent (1-1/2%) per month or a portion thereof. Client shall also be responsible for costs of collection, including payment of reasonable attorney fees if such expense is incurred. The prices, unless stated, do not include any sale, use or other taxes. Such taxes will be added to invoice prices when required.

Prices. Compensation for services performed will be based on the current Lab Analytical Fee Schedule or on quotations agreed to in writing by the parties. Turnaround time based charges are determined from the time of resolution of all work order questions. Testimony, court appearances or data compilation for legal action will be charged separately. Evaluation and reporting of initial screening runs may incur additional fees.

Limitations of Liability. In the event of any error, omission, or other professional negligence, the sole and exclusive responsibility of LAB shall be to re-perform the deficient work at its own expense and LAB shall have no other liability whatsoever. All claims shall be deemed waived unless made in writing and received by LAB within ninety (90) days following completion of services.
LAB shall have no liability, obligation, or responsibility of any kind for losses, costs, expenses, or other damages (including but not limited to any special, direct, incidental or consequential damages) with respect to LAB's services or results.
All results provided by LAB are strictly for the use of its clients and LAB is in no way responsible for the use of such results by clients or third parties. All reports should be considered in their entirety, and LAB is not responsible for the separation, detachment, or other use of any portion of these reports. Client may not assign the lab report without the written consent of the LAB.
Client covenants and agrees, at its/his/her sole expense, to indemnify, protect, defend, and save harmless the LAB from and against any and all damages, losses, liabilities, obligations, penalties, claims, litigation, demands, defenses, judgments, suits, actions, proceedings, costs, disbursements and/or expenses (including, without limitation attorneys' and experts' fees and disbursements) of any kind whatsoever which may at any time be imposed upon, incurred by or asserted or awarded against client relating to, resulting from or arising out of (a) the breach of this agreement by this client, (b) the negligence of the client in handling, delivering or disclosing any hazardous substance, (c) the violation of the Client of any applicable law, (d) non-compliance by the Client with any environmental permit or (e) a material misrepresentation in disclosing the materials to be tested.

Hazard Disclosure. Client represents and warrants that any sample delivered to LAB will be preceded or accompanied by complete written disclosure of the presence of any hazardous substances known or suspected by Client. Client further warrants that any sample containing any hazardous substance that is to be delivered to LAB will be packaged, labeled, transported, and delivered properly and in accordance with applicable laws.

Sample Handling. Prior to LAB's acceptance of any sample (or after any revocation of acceptance), the entire risk of loss or of damage to such sample remains with Client. Samples are accepted when receipt is acknowledged on chain of custody documentation. In no event will LAB have any responsibility for the action or inaction of any carrier shipping or delivering any sample to or from LAB premises.
Client authorizes LAB to proceed with the analysis of samples as received by the laboratory, recognizing that any samples not in compliance with all current DOH-ELAP-NELAP requirements for containers, preservation or holding time will be noted as such on the final report.
Disposal of hazardous waste samples is the responsibility of the Client. If the Client does not wish such samples returned, LAB may add storage and disposal fees to the final invoice. Maximum storage time for samples is 30 days after completion of analysis unless modified by applicable state or federal laws. Client will be required to give the LAB written instructions concerning disposal of these samples.
LAB reserves the absolute right, exercisable at any time, to refuse to receive delivery of, refuse to accept, or revoke acceptance of any sample, which, in the sole judgment of LAB (a) is of unsuitable volume, (b) may be or become unsuitable for or may pose a risk in handling, transport, or processing for any health, safety, environmental or other reason whether or not due to the presence in the sample of any hazardous substance, and whether or not such presence has been disclosed to LAB by Client or (c) if the condition or sample date make the sample unsuitable for analysis.

Legal Responsibility. LAB is solely responsible for performance of this contract, and no affiliated company, director, officer, employee, or agent shall have any legal responsibility hereunder, whether in contract or tort including negligence.

Assignment. LAB may assign its performance obligations under this contract to other parties, as it deems necessary. LAB shall disclose to Client any assignee (subcontractor) by ELAP ID # on the submitted final report.

Force Majeure. LAB shall have no responsibility or liability to the Client for any failure or delay in performance by LAB, which results in whole or in part from any cause or circumstance beyond the reasonable control of LAB. Such causes and circumstances shall include, but not limited to, acts of God, acts or orders of any government authority, strikes or other labor disputes, natural disasters, accidents, wars, civil disturbances, difficulties or delays in transportation, mail or delivery services, inability to obtain sufficient services or supplies from LAB's usual suppliers, or any other cause beyond LAB's reasonable control.

Law. This contract shall be continued under the laws of the State of New York without regard to its conflicts of laws provision.

179 Lake Avenue, Rochester, NY 14608 Office (585) 647-2530 Fax (585) 647-3311

PARADIGM ENVIRONMENTAL SERVICES, INC

CHAIN OF CUSTODY

165593

REPORT TO:		INVOICE TO:		
CLIENT: C+S Engineers Inc		CLIENT: Same		LAB PROJECT ID: 100 Dona Street
ADDRESS: 141 Elm Street, Suite 100		ADDRESS:		Quotation #:
CITY: Buffalo	STATE: NY ZIP: 14203	CITY:	STATE: ZIP:	Email: sherber@buffalo.edu
PHONE: 716-847-1630		PHONE:		
ATTN: Sam Herberger		ATTN:		

PROJECT REFERENCE

Matrix Codes:
AQ - Aqueous Liquid; NQ - Non-Aqueous Liquid; WA - Water; WG - Groundwater; DW - Drinking Water; WW - Wastewater; SO - Soil; SL - Sludge; SD - Solid; PT - Paint; WP - Wipe; CK - Caulk; OL - Oil; AR - Air

REQUESTED ANALYSIS

DATE COLLECTED	TIME COLLECTED	COMPOSITE	GRAB	SAMPLE IDENTIFIER	MATRIX CODES	NUMBER OF CONTAINERS	TCL VOCs	TCL SVOCs	PCBs	TAL Metals	REMARKS	PARADIGM LAB SAMPLE NUMBER
12/28/16	940A		X	SS-1	SO	3	X	X	X	X	Part 375/ MS/MSD (correct analyte list per JH RR 1/9/17)	01
	935A			SS-2							MS/MSD	02
	930A			SS-3								03
	920A			SS-4								04
	840A			SS-5								05
	915A			SS-6							↓	06
	900A			SS-7							TCL	07
	845A			SS-8							↓	08
	825A			SS-9								09
	815A			SS-10							↓	10

FINAL

Turnaround Time		Report Supplements			
Availability contingent upon lab approval; additional fees may apply.					
Standard 5 day	X	None Required		None Required	
10 day		Batch QC		Basic EDD	
Rush 3 day		Category A		NYSDEC EDD	X
Rush 2 day		Category B	X		
Rush 1 day					
Other please indicate date needed:		Other please indicate package needed:		Other EDD please indicate EDD needed :	

Sampled By: Sam Herberger — Date/Time: 12/28/16

Relinquished By: Sam Herberger — Date/Time: 12/29/16 2:05 pm

Received By: James Steenis — Date/Time: 12/29/16 2:05 pm

Received @ Lab By: [signature] — Date/Time: 12/30/16 11:37

Total Cost:

P.I.F.

5°C iced 12/30/16 10:40

By signing this form, client agrees to Paradigm Terms and Conditions (reverse).

No Custody Seal, sent via UPS. GP 12/30/16

See additional page for sample conditions.

179 Lake Avenue, Rochester, NY 14608 Office (585) 647-2530 Fax (585) 647-3311

CHAIN OF CUSTODY

PARADIGM ENVIRONMENTAL SERVICES, INC

REPORT TO:		INVOICE TO:		
CLIENT: Same as other		CLIENT: Same		LAB PROJECT ID: 165593
ADDRESS:		ADDRESS:		
CITY:	STATE: ZIP	CITY:	STATE: ZIP:	Quotation #:
PHONE:		PHONE:		Email:
ATTN:		ATTN:		

PROJECT REFERENCE

Matrix Codes:
AQ - Aqueous Liquid; NQ - Non-Aqueous Liquid; WA - Water; WG - Groundwater; DW - Drinking Water; WW - Wastewater; SO - Soil; SL - Sludge; SD - Solid; PT - Paint; WP - Wipe; CK - Caulk; OL - Oil; AR - Air

REQUESTED ANALYSIS

DATE COLLECTED	TIME COLLECTED	COMPOSITE	GRAB	SAMPLE IDENTIFIER	MATRIX CODES	NUMBER OF CONTAINERS	TCL VOC	TCL SVOC	PCB	TAL Metals							REMARKS	PARADIGM LAB SAMPLE NUMBER
12/28/16	810A		X	SS-11	SO	1	X	X	X	X							TCL	11
12/28/16	805A		X	SS-12	SO	1	X	X	X	X							TCL	12

Turnaround Time		Report Supplements			
Availability contingent upon lab approval; additional fees may apply.					
Standard 5 day	X	None Required		None Required	
10 day		Batch QC		Basic EDD	
Rush 3 day		Category A		NYSDEC EDD	X
Rush 2 day		Category B	X		
Rush 1 day					
Other		Other		Other EDD	
please indicate date needed:		please indicate package needed:		please indicate EDD needed :	

Sampled By: [signature]	12/28/16	Date/Time	Total Cost:
Relinquished By: [signature]	12/29/16	2:05 pm	
Received By: James Steiner	12/29/16	2:05 pm	P.I.F.
Received @ Lab By: [signature]	12/30/16	11:37	

By signing this form, client agrees to Paradigm Terms and Conditions (reverse).

See additional page for sample conditions.

Chain of Custody Supplement

Client: C & S Engineers **Completed by:** Glenn Pezzulo

Lab Project ID: 165593 **Date:** 12/30/16

Sample Condition Requirements

Per NELAC/ELAP 210/241/242/243/244

Condition	*NELAC compliance with the sample condition requirements upon receipt* Yes	No	N/A
Container Type	X	X 5035	
Comments			
Transferred to method-compliant container			X
Headspace (<1 mL)			X
Comments			
Preservation			X
Comments			
Chlorine Absent (<0.10 ppm per test strip)			X
Comments			
Holding Time	X		
Comments			
Temperature	X		X metals
Comments	5°C iced		
Sufficient Sample Quantity	X		
Comments			

APPENDIX E

Laboratory Analysis Report – Subsurface Soil

PARADIGM
ENVIRONMENTAL SERVICES, INC.

LAB PROJECT NARRATIVE

CLIENT: C&S Engineers

PROJECT REFERENCE: 100 Dona St., N.W. #16-266

LAB PROJECT NUMBER: 165522

DATE: 12/30/2016

This report documents positive detections for trichloroethene (TCE) in select samples. It has been determined that your samples were stored concurrent with another sample that contained very high levels of TCE. Although the evidence is purely circumstantial, it is possible that the TCE results reported herein stem from cross contamination during storage.

FINAL

Matthew Miller
Operations Manager

179 Lake Avenue

Rochester, NY 14608

OFFICE: 585.647.2530

FAX: 585.647.3311

mmiller@paradigmenv.com
www.paradigmenv.com

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 165522

Client: **C&S Companies**

Project Reference: 100 Dona Street, N.W. # 16-266

Sample Identifier:	BH-4		
Lab Sample ID:	165522-01	**Date Sampled:**	12/19/2016
Matrix:	Soil	**Date Received:**	12/22/2016

Metals

Analyte	Result	Units	Qualifier	Date Analyzed
Arsenic	**4.77**	mg/Kg		12/27/2016 17:33
Barium	**46.0**	mg/Kg		12/27/2016 17:33
Beryllium	**0.547**	mg/Kg		12/27/2016 17:33
Cadmium	**0.429**	mg/Kg		12/27/2016 17:33
Chromium	**17.4**	mg/Kg		12/27/2016 17:33
Copper	**23.7**	mg/Kg		12/27/2016 17:33
Lead	**9.49**	mg/Kg		12/27/2016 17:33
Manganese	**263**	mg/Kg		12/27/2016 17:33
Nickel	**24.7**	mg/Kg		12/27/2016 17:33
Selenium	**3.30**	mg/Kg		12/28/2016 12:09
Silver	< 0.547	mg/Kg		12/27/2016 17:33
Zinc	**61.3**	mg/Kg		12/27/2016 17:33

FINAL

Method Reference(s): EPA 6010C
EPA 3050B
Preparation Date: 12/27/2016
Data File: 122716c

Report Prepared Friday, December 30, 2016

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 165522

Client: **C&S Companies**

Project Reference: 100 Dona Street, N.W. # 16-266

Sample Identifier:	BH-4		
Lab Sample ID:	165522-01	**Date Sampled:**	12/19/2016
Matrix:	Soil	**Date Received:**	12/22/2016

Mercury

Analyte	Result	Units	Qualifier	Date Analyzed
Mercury	**0.0102**	mg/Kg		12/27/2016 14:49

Method Reference(s): EPA 7471B
Preparation Date: 12/27/2016
Data File: Hg161227B

FINAL

This report is part of a multipage document and should only be evaluated in its entirety. The Chain of Custody provides additional sample information, including compliance with the sample condition requirements upon receipt.

Report Prepared Friday, December 30, 2016

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 165522

Client: **C&S Companies**

Project Reference: 100 Dona Street, N.W. # 16-266

Sample Identifier:	BH-4		
Lab Sample ID:	165522-01	**Date Sampled:**	12/19/2016
Matrix:	Soil	**Date Received:**	12/22/2016

PCBs

Analyte	Result	Units	Qualifier	Date Analyzed
PCB-1016	< 0.0350	mg/Kg		12/28/2016 12:06
PCB-1221	< 0.0350	mg/Kg		12/28/2016 12:06
PCB-1232	< 0.0350	mg/Kg		12/28/2016 12:06
PCB-1242	< 0.0350	mg/Kg		12/28/2016 12:06
PCB-1248	< 0.0350	mg/Kg		12/28/2016 12:06
PCB-1254	< 0.0350	mg/Kg		12/28/2016 12:06
PCB-1260	< 0.0350	mg/Kg		12/28/2016 12:06
PCB-1262	< 0.0350	mg/Kg		12/28/2016 12:06
PCB-1268	< 0.0350	mg/Kg		12/28/2016 12:06

Surrogate	Percent Recovery	Limits	Outliers	Date Analyzed
Decachlorobiphenyl	**73.5**	10 - 144		12/28/2016 12:06
Tetrachloro-m-xylene	**51.1**	10 - 140		12/28/2016 12:06

Method Reference(s): EPA 8082A
EPA 3550C

Preparation Date: 12/28/2016

Report Prepared Friday, December 30, 2016

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 165522

Client: **C&S Companies**

Project Reference: 100 Dona Street, N.W. # 16-266

Sample Identifier: BH-4
Lab Sample ID: 165522-01 **Date Sampled:** 12/19/2016
Matrix: Soil **Date Received:** 12/22/2016

Semi-Volatile Organics (Acid/Base Neutrals)

Analyte	Result	Units	Qualifier	Date Analyzed
1,1-Biphenyl	< 354	ug/Kg		12/27/2016 17:22
1,2,4,5-Tetrachlorobenzene	< 354	ug/Kg		12/27/2016 17:22
1,2,4-Trichlorobenzene	< 354	ug/Kg		12/27/2016 17:22
1,2-Dichlorobenzene	< 354	ug/Kg		12/27/2016 17:22
1,3-Dichlorobenzene	< 354	ug/Kg		12/27/2016 17:22
1,4-Dichlorobenzene	< 354	ug/Kg		12/27/2016 17:22
2,2-Oxybis (1-chloropropane)	< 354	ug/Kg		12/27/2016 17:22
2,3,4,6-Tetrachlorophenol	< 354	ug/Kg		12/27/2016 17:22
2,4,5-Trichlorophenol	< 709	ug/Kg		12/27/2016 17:22
2,4,6-Trichlorophenol	< 354	ug/Kg		12/27/2016 17:22
2,4-Dichlorophenol	< 354	ug/Kg		12/27/2016 17:22
2,4-Dimethylphenol	< 354	ug/Kg		12/27/2016 17:22
2,4-Dinitrophenol	< 709	ug/Kg		12/27/2016 17:22
2,4-Dinitrotoluene	< 354	ug/Kg		12/27/2016 17:22
2,6-Dinitrotoluene	< 354	ug/Kg		12/27/2016 17:22
2-Chloronaphthalene	< 354	ug/Kg		12/27/2016 17:22
2-Chlorophenol	< 354	ug/Kg		12/27/2016 17:22
2-Methylnapthalene	< 354	ug/Kg		12/27/2016 17:22
2-Methylphenol	< 354	ug/Kg		12/27/2016 17:22
2-Nitroaniline	< 709	ug/Kg		12/27/2016 17:22
2-Nitrophenol	< 354	ug/Kg		12/27/2016 17:22
3&4-Methylphenol	< 354	ug/Kg		12/27/2016 17:22
3,3'-Dichlorobenzidine	< 354	ug/Kg		12/27/2016 17:22
3-Nitroaniline	< 709	ug/Kg		12/27/2016 17:22
4,6-Dinitro-2-methylphenol	< 709	ug/Kg		12/27/2016 17:22
4-Bromophenyl phenyl ether	< 354	ug/Kg		12/27/2016 17:22
4-Chloro-3-methylphenol	< 354	ug/Kg		12/27/2016 17:22

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 165522

Client: **C&S Companies**

Project Reference: 100 Dona Street, N.W. # 16-266

Sample Identifier: BH-4
Lab Sample ID: 165522-01
Matrix: Soil
Date Sampled: 12/19/2016
Date Received: 12/22/2016

4-Chloroaniline	< 354	ug/Kg	12/27/2016	17:22
4-Chlorophenyl phenyl ether	< 354	ug/Kg	12/27/2016	17:22
4-Nitroaniline	< 709	ug/Kg	12/27/2016	17:22
4-Nitrophenol	< 709	ug/Kg	12/27/2016	17:22
Acenaphthene	< 354	ug/Kg	12/27/2016	17:22
Acenaphthylene	< 354	ug/Kg	12/27/2016	17:22
Acetophenone	< 354	ug/Kg	12/27/2016	17:22
Anthracene	< 354	ug/Kg	12/27/2016	17:22
Atrazine	< 354	ug/Kg	12/27/2016	17:22
Benzaldehyde	< 354	ug/Kg	12/27/2016	17:22
Benzo (a) anthracene	< 354	ug/Kg	12/27/2016	17:22
Benzo (a) pyrene	< 354	ug/Kg	12/27/2016	17:22
Benzo (b) fluoranthene	< 354	ug/Kg	12/27/2016	17:22
Benzo (g,h,i) perylene	< 354	ug/Kg	12/27/2016	17:22
Benzo (k) fluoranthene	< 354	ug/Kg	12/27/2016	17:22
Bis (2-chloroethoxy) methane	< 354	ug/Kg	12/27/2016	17:22
Bis (2-chloroethyl) ether	< 354	ug/Kg	12/27/2016	17:22
Bis (2-ethylhexyl) phthalate	< 354	ug/Kg	12/27/2016	17:22
Butylbenzylphthalate	< 354	ug/Kg	12/27/2016	17:22
Caprolactam	< 354	ug/Kg	12/27/2016	17:22
Carbazole	< 354	ug/Kg	12/27/2016	17:22
Chrysene	< 354	ug/Kg	12/27/2016	17:22
Dibenz (a,h) anthracene	< 354	ug/Kg	12/27/2016	17:22
Dibenzofuran	< 354	ug/Kg	12/27/2016	17:22
Diethyl phthalate	< 354	ug/Kg	12/27/2016	17:22
Dimethyl phthalate	< 709	ug/Kg	12/27/2016	17:22
Di-n-butyl phthalate	< 354	ug/Kg	12/27/2016	17:22
Di-n-octylphthalate	< 354	ug/Kg	12/27/2016	17:22
Fluoranthene	< 354	ug/Kg	12/27/2016	17:22
Fluorene	< 354	ug/Kg	12/27/2016	17:22

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 165522

Client: **C&S Companies**

Project Reference: 100 Dona Street, N.W. # 16-266

Sample Identifier: BH-4
Lab Sample ID: 165522-01 **Date Sampled:** 12/19/2016
Matrix: Soil **Date Received:** 12/22/2016

Hexachlorobenzene	< 354	ug/Kg			12/27/2016 17:22
Hexachlorobutadiene	< 354	ug/Kg			12/27/2016 17:22
Hexachlorocyclopentadiene	< 354	ug/Kg			12/27/2016 17:22
Hexachloroethane	< 354	ug/Kg			12/27/2016 17:22
Indeno (1,2,3-cd) pyrene	< 354	ug/Kg			12/27/2016 17:22
Isophorone	< 354	ug/Kg			12/27/2016 17:22
Naphthalene	< 354	ug/Kg			12/27/2016 17:22
Nitrobenzene	< 354	ug/Kg			12/27/2016 17:22
N-Nitroso-di-n-propylamine	< 354	ug/Kg			12/27/2016 17:22
N-Nitrosodiphenylamine	< 354	ug/Kg			12/27/2016 17:22
Pentachlorophenol	< 709	ug/Kg			12/27/2016 17:22
Phenanthrene	< 354	ug/Kg			12/27/2016 17:22
Phenol	< 354	ug/Kg			12/27/2016 17:22
Pyrene	< 354	ug/Kg			12/27/2016 17:22

Surrogate	Percent Recovery	Limits	Outliers	Date Analyzed
2,4,6-Tribromophenol	**37.2**	38 - 114	*	12/27/2016 17:22
2-Fluorobiphenyl	**27.9**	25 - 105		12/27/2016 17:22
2-Fluorophenol	**24.9**	30.8 - 84	*	12/27/2016 17:22
Nitrobenzene-d5	**25.4**	28.5 - 84.9	*	12/27/2016 17:22
Phenol-d5	**26.0**	32.5 - 89.6	*	12/27/2016 17:22
Terphenyl-d14	**45.8**	55.5 - 117	*	12/27/2016 17:22

Method Reference(s): EPA 8270D
EPA 3550C
Preparation Date: 12/27/2016
Data File: B16231.D

Report Prepared Friday, December 30, 2016

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 165522

Client: **C&S Companies**

Project Reference: 100 Dona Street, N.W. # 16-266

Sample Identifier:	BH-4		
Lab Sample ID:	165522-01	**Date Sampled:**	12/19/2016
Matrix:	Soil	**Date Received:**	12/22/2016

Volatile Organics

Analyte	Result	Units	Qualifier	Date Analyzed
1,1,1-Trichloroethane	< 4.95	ug/Kg		12/28/2016 10:38
1,1,2,2-Tetrachloroethane	< 4.95	ug/Kg		12/28/2016 10:38
1,1,2-Trichloroethane	< 4.95	ug/Kg		12/28/2016 10:38
1,1-Dichloroethane	< 4.95	ug/Kg		12/28/2016 10:38
1,1-Dichloroethene	< 4.95	ug/Kg		12/28/2016 10:38
1,2,3-Trichlorobenzene	< 12.4	ug/Kg		12/28/2016 10:38
1,2,4-Trichlorobenzene	< 12.4	ug/Kg		12/28/2016 10:38
1,2,4-Trimethylbenzene	< 4.95	ug/Kg		12/28/2016 10:38
1,2-Dibromo-3-Chloropropane	< 24.8	ug/Kg		12/28/2016 10:38
1,2-Dibromoethane	< 4.95	ug/Kg		12/28/2016 10:38
1,2-Dichlorobenzene	< 4.95	ug/Kg		12/28/2016 10:38
1,2-Dichloroethane	< 4.95	ug/Kg		12/28/2016 10:38
1,2-Dichloropropane	< 4.95	ug/Kg		12/28/2016 10:38
1,3,5-Trimethylbenzene	< 4.95	ug/Kg		12/28/2016 10:38
1,3-Dichlorobenzene	< 4.95	ug/Kg		12/28/2016 10:38
1,4-Dichlorobenzene	< 4.95	ug/Kg		12/28/2016 10:38
1,4-dioxane	< 49.5	ug/Kg		12/28/2016 10:38
2-Butanone	< 24.8	ug/Kg		12/28/2016 10:38
2-Hexanone	< 12.4	ug/Kg		12/28/2016 10:38
4-Methyl-2-pentanone	< 12.4	ug/Kg		12/28/2016 10:38
Acetone	< 24.8	ug/Kg		12/28/2016 10:38
Benzene	< 4.95	ug/Kg		12/28/2016 10:38
Bromochloromethane	< 12.4	ug/Kg		12/28/2016 10:38
Bromodichloromethane	< 4.95	ug/Kg		12/28/2016 10:38
Bromoform	< 12.4	ug/Kg		12/28/2016 10:38
Bromomethane	< 4.95	ug/Kg		12/28/2016 10:38
Carbon disulfide	< 4.95	ug/Kg		12/28/2016 10:38

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 165522

Client: **C&S Companies**

Project Reference: 100 Dona Street, N.W. # 16-266

Sample Identifier:	BH-4		
Lab Sample ID:	165522-01	**Date Sampled:**	12/19/2016
Matrix:	Soil	**Date Received:**	12/22/2016

Carbon Tetrachloride	< 4.95	ug/Kg	12/28/2016	10:38
Chlorobenzene	< 4.95	ug/Kg	12/28/2016	10:38
Chloroethane	< 4.95	ug/Kg	12/28/2016	10:38
Chloroform	< 4.95	ug/Kg	12/28/2016	10:38
Chloromethane	< 4.95	ug/Kg	12/28/2016	10:38
cis-1,2-Dichloroethene	< 4.95	ug/Kg	12/28/2016	10:38
cis-1,3-Dichloropropene	< 4.95	ug/Kg	12/28/2016	10:38
Cyclohexane	< 24.8	ug/Kg	12/28/2016	10:38
Dibromochloromethane	< 4.95	ug/Kg	12/28/2016	10:38
Dichlorodifluoromethane	< 4.95	ug/Kg	12/28/2016	10:38
Ethylbenzene	< 4.95	ug/Kg	12/28/2016	10:38
Freon 113	< 4.95	ug/Kg	12/28/2016	10:38
Isopropylbenzene	< 4.95	ug/Kg	12/28/2016	10:38
m,p-Xylene	< 4.95	ug/Kg	12/28/2016	10:38
Methyl acetate	< 4.95	ug/Kg	12/28/2016	10:38
Methyl tert-butyl Ether	< 4.95	ug/Kg	12/28/2016	10:38
Methylcyclohexane	< 4.95	ug/Kg	12/28/2016	10:38
Methylene chloride	< 12.4	ug/Kg	12/28/2016	10:38
Naphthalene	< 12.4	ug/Kg	12/28/2016	10:38
n-Butylbenzene	< 4.95	ug/Kg	12/28/2016	10:38
n-Propylbenzene	< 4.95	ug/Kg	12/28/2016	10:38
o-Xylene	< 4.95	ug/Kg	12/28/2016	10:38
p-Isopropyltoluene	< 4.95	ug/Kg	12/28/2016	10:38
sec-Butylbenzene	< 4.95	ug/Kg	12/28/2016	10:38
Styrene	< 12.4	ug/Kg	12/28/2016	10:38
tert-Butylbenzene	< 4.95	ug/Kg	12/28/2016	10:38
Tetrachloroethene	< 4.95	ug/Kg	12/28/2016	10:38
Toluene	< 4.95	ug/Kg	12/28/2016	10:38
trans-1,2-Dichloroethene	< 4.95	ug/Kg	12/28/2016	10:38
trans-1,3-Dichloropropene	< 4.95	ug/Kg	12/28/2016	10:38

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 165522

Client: **C&S Companies**

Project Reference: 100 Dona Street, N.W. # 16-266

Sample Identifier: BH-4
Lab Sample ID: 165522-01 **Date Sampled:** 12/19/2016
Matrix: Soil **Date Received:** 12/22/2016

Trichloroethene	< 4.95	ug/Kg			12/28/2016 10:38
Trichlorofluoromethane	< 4.95	ug/Kg			12/28/2016 10:38
Vinyl chloride	< 4.95	ug/Kg			12/28/2016 10:38

Surrogate	Percent Recovery	Limits	Outliers	Date Analyzed
1,2-Dichloroethane-d4	**104**	82 - 124		12/28/2016 10:38
4-Bromofluorobenzene	**94.8**	80.5 - 116		12/28/2016 10:38
Pentafluorobenzene	**102**	88.7 - 112		12/28/2016 10:38
Toluene-D8	**99.3**	79.1 - 120		12/28/2016 10:38

Method Reference(s): EPA 8260C
EPA 5035A - L
Data File: x38103.D

This sample was not collected following SW846 5035A specifications. Accordingly, any Volatiles soil results that are less than 200 ug/Kg, including Non Detects, may be biased low, per ELAP method 5035 guidance document from 11/15/2012.

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 165522

Client: **C&S Companies**

Project Reference: 100 Dona Street, N.W. # 16-266

Sample Identifier:	BH-10		
Lab Sample ID:	165522-02	**Date Sampled:**	12/19/2016
Matrix:	Soil	**Date Received:**	12/22/2016

Metals

Analyte	Result	Units	Qualifier	Date Analyzed
Arsenic	**9.52**	mg/Kg		12/27/2016 17:37
Barium	**77.0**	mg/Kg		12/27/2016 17:37
Beryllium	**0.439**	mg/Kg		12/27/2016 17:37
Cadmium	**0.185**	mg/Kg	J	12/27/2016 17:37
Chromium	**6.13**	mg/Kg		12/27/2016 17:37
Copper	**17.6**	mg/Kg		12/27/2016 17:37
Lead	**11.0**	mg/Kg		12/27/2016 17:37
Manganese	**69.7**	mg/Kg		12/27/2016 17:37
Nickel	**11.1**	mg/Kg		12/27/2016 17:37
Selenium	**3.54**	mg/Kg		12/28/2016 12:13
Silver	< 0.564	mg/Kg		12/27/2016 17:37
Zinc	**23.9**	mg/Kg		12/27/2016 17:37

Method Reference(s): EPA 6010C
EPA 3050B
Preparation Date: 12/27/2016
Data File: 122716c

Report Prepared Friday, December 30, 2016

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 165522

Client: **C&S Companies**

Project Reference: 100 Dona Street, N.W. # 16-266

Sample Identifier:	BH-10		
Lab Sample ID:	165522-02	**Date Sampled:**	12/19/2016
Matrix:	Soil	**Date Received:**	12/22/2016

Mercury

Analyte	Result	Units	Qualifier	Date Analyzed
Mercury	**0.0247**	mg/Kg		12/27/2016 14:53

Method Reference(s): EPA 7471B
Preparation Date: 12/27/2016
Data File: Hg161227B

FINAL

This report is part of a multipage document and should only be evaluated in its entirety. The Chain of Custody provides additional sample information, including compliance with the sample condition requirements upon receipt.

Report Prepared Friday, December 30, 2016

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 165522

Client: **C&S Companies**

Project Reference: 100 Dona Street, N.W. # 16-266

Sample Identifier:	BH-10		
Lab Sample ID:	165522-02	**Date Sampled:**	12/19/2016
Matrix:	Soil	**Date Received:**	12/22/2016

PCBs

Analyte	Result	Units	Qualifier	Date Analyzed
PCB-1016	< 0.0328	mg/Kg		12/28/2016 12:30
PCB-1221	< 0.0328	mg/Kg		12/28/2016 12:30
PCB-1232	< 0.0328	mg/Kg		12/28/2016 12:30
PCB-1242	< 0.0328	mg/Kg		12/28/2016 12:30
PCB-1248	< 0.0328	mg/Kg		12/28/2016 12:30
PCB-1254	< 0.0328	mg/Kg		12/28/2016 12:30
PCB-1260	< 0.0328	mg/Kg		12/28/2016 12:30
PCB-1262	< 0.0328	mg/Kg		12/28/2016 12:30
PCB-1268	< 0.0328	mg/Kg		12/28/2016 12:30

Surrogate	Percent Recovery	Limits	Outliers	Date Analyzed
Decachlorobiphenyl	**71.5**	10 - 144		12/28/2016 12:30
Tetrachloro-m-xylene	**47.1**	10 - 140		12/28/2016 12:30

Method Reference(s): EPA 8082A
EPA 3550C

Preparation Date: 12/28/2016

Report Prepared Friday, December 30, 2016

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 165522

Client: **C&S Companies**

Project Reference: 100 Dona Street, N.W. # 16-266

Sample Identifier: BH-10
Lab Sample ID: 165522-02 **Date Sampled:** 12/19/2016
Matrix: Soil **Date Received:** 12/22/2016

Semi-Volatile Organics (Acid/Base Neutrals)

Analyte	Result	Units	Qualifier	Date Analyzed
1,1-Biphenyl	< 326	ug/Kg		12/27/2016 17:52
1,2,4,5-Tetrachlorobenzene	< 326	ug/Kg		12/27/2016 17:52
1,2,4-Trichlorobenzene	< 326	ug/Kg		12/27/2016 17:52
1,2-Dichlorobenzene	< 326	ug/Kg		12/27/2016 17:52
1,3-Dichlorobenzene	< 326	ug/Kg		12/27/2016 17:52
1,4-Dichlorobenzene	< 326	ug/Kg		12/27/2016 17:52
2,2-Oxybis (1-chloropropane)	< 326	ug/Kg		12/27/2016 17:52
2,3,4,6-Tetrachlorophenol	< 326	ug/Kg		12/27/2016 17:52
2,4,5-Trichlorophenol	< 652	ug/Kg		12/27/2016 17:52
2,4,6-Trichlorophenol	< 326	ug/Kg		12/27/2016 17:52
2,4-Dichlorophenol	< 326	ug/Kg		12/27/2016 17:52
2,4-Dimethylphenol	< 326	ug/Kg		12/27/2016 17:52
2,4-Dinitrophenol	< 652	ug/Kg		12/27/2016 17:52
2,4-Dinitrotoluene	< 326	ug/Kg		12/27/2016 17:52
2,6-Dinitrotoluene	< 326	ug/Kg		12/27/2016 17:52
2-Chloronaphthalene	< 326	ug/Kg		12/27/2016 17:52
2-Chlorophenol	< 326	ug/Kg		12/27/2016 17:52
2-Methylnapthalene	< 326	ug/Kg		12/27/2016 17:52
2-Methylphenol	< 326	ug/Kg		12/27/2016 17:52
2-Nitroaniline	< 652	ug/Kg		12/27/2016 17:52
2-Nitrophenol	< 326	ug/Kg		12/27/2016 17:52
3&4-Methylphenol	< 326	ug/Kg		12/27/2016 17:52
3,3'-Dichlorobenzidine	< 326	ug/Kg		12/27/2016 17:52
3-Nitroaniline	< 652	ug/Kg		12/27/2016 17:52
4,6-Dinitro-2-methylphenol	< 652	ug/Kg		12/27/2016 17:52
4-Bromophenyl phenyl ether	< 326	ug/Kg		12/27/2016 17:52
4-Chloro-3-methylphenol	< 326	ug/Kg		12/27/2016 17:52

Report Prepared Friday, December 30, 2016

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 165522

Client: **C&S Companies**

Project Reference: 100 Dona Street, N.W. # 16-266

Sample Identifier: BH-10
Lab Sample ID: 165522-02
Matrix: Soil
Date Sampled: 12/19/2016
Date Received: 12/22/2016

4-Chloroaniline	< 326	ug/Kg	12/27/2016	17:52
4-Chlorophenyl phenyl ether	< 326	ug/Kg	12/27/2016	17:52
4-Nitroaniline	< 652	ug/Kg	12/27/2016	17:52
4-Nitrophenol	< 652	ug/Kg	12/27/2016	17:52
Acenaphthene	< 326	ug/Kg	12/27/2016	17:52
Acenaphthylene	< 326	ug/Kg	12/27/2016	17:52
Acetophenone	< 326	ug/Kg	12/27/2016	17:52
Anthracene	< 326	ug/Kg	12/27/2016	17:52
Atrazine	< 326	ug/Kg	12/27/2016	17:52
Benzaldehyde	< 326	ug/Kg	12/27/2016	17:52
Benzo (a) anthracene	< 326	ug/Kg	12/27/2016	17:52
Benzo (a) pyrene	< 326	ug/Kg	12/27/2016	17:52
Benzo (b) fluoranthene	< 326	ug/Kg	12/27/2016	17:52
Benzo (g,h,i) perylene	< 326	ug/Kg	12/27/2016	17:52
Benzo (k) fluoranthene	< 326	ug/Kg	12/27/2016	17:52
Bis (2-chloroethoxy) methane	< 326	ug/Kg	12/27/2016	17:52
Bis (2-chloroethyl) ether	< 326	ug/Kg	12/27/2016	17:52
Bis (2-ethylhexyl) phthalate	< 326	ug/Kg	12/27/2016	17:52
Butylbenzylphthalate	< 326	ug/Kg	12/27/2016	17:52
Caprolactam	< 326	ug/Kg	12/27/2016	17:52
Carbazole	< 326	ug/Kg	12/27/2016	17:52
Chrysene	< 326	ug/Kg	12/27/2016	17:52
Dibenz (a,h) anthracene	< 326	ug/Kg	12/27/2016	17:52
Dibenzofuran	< 326	ug/Kg	12/27/2016	17:52
Diethyl phthalate	< 326	ug/Kg	12/27/2016	17:52
Dimethyl phthalate	< 652	ug/Kg	12/27/2016	17:52
Di-n-butyl phthalate	< 326	ug/Kg	12/27/2016	17:52
Di-n-octylphthalate	< 326	ug/Kg	12/27/2016	17:52
Fluoranthene	< 326	ug/Kg	12/27/2016	17:52
Fluorene	< 326	ug/Kg	12/27/2016	17:52

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 165522

Client: **C&S Companies**

Project Reference: 100 Dona Street, N.W. # 16-266

Sample Identifier: BH-10
Lab Sample ID: 165522-02 **Date Sampled:** 12/19/2016
Matrix: Soil **Date Received:** 12/22/2016

Hexachlorobenzene	< 326	ug/Kg			12/27/2016 17:52
Hexachlorobutadiene	< 326	ug/Kg			12/27/2016 17:52
Hexachlorocyclopentadiene	< 326	ug/Kg			12/27/2016 17:52
Hexachloroethane	< 326	ug/Kg			12/27/2016 17:52
Indeno (1,2,3-cd) pyrene	< 326	ug/Kg			12/27/2016 17:52
Isophorone	< 326	ug/Kg			12/27/2016 17:52
Naphthalene	< 326	ug/Kg			12/27/2016 17:52
Nitrobenzene	< 326	ug/Kg			12/27/2016 17:52
N-Nitroso-di-n-propylamine	< 326	ug/Kg			12/27/2016 17:52
N-Nitrosodiphenylamine	< 326	ug/Kg			12/27/2016 17:52
Pentachlorophenol	< 652	ug/Kg			12/27/2016 17:52
Phenanthrene	< 326	ug/Kg			12/27/2016 17:52
Phenol	< 326	ug/Kg			12/27/2016 17:52
Pyrene	< 326	ug/Kg			12/27/2016 17:52

Surrogate	Percent Recovery	Limits	Outliers	Date Analyzed
2,4,6-Tribromophenol	**48.0**	38 - 114		12/27/2016 17:52
2-Fluorobiphenyl	**49.3**	25 - 105		12/27/2016 17:52
2-Fluorophenol	**36.5**	30.8 - 84		12/27/2016 17:52
Nitrobenzene-d5	**40.7**	28.5 - 84.9		12/27/2016 17:52
Phenol-d5	**46.0**	32.5 - 89.6		12/27/2016 17:52
Terphenyl-d14	**64.9**	55.5 - 117		12/27/2016 17:52

Method Reference(s): EPA 8270D
EPA 3550C
Preparation Date: 12/27/2016
Data File: B16232.D

Report Prepared Friday, December 30, 2016

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 165522

Client: **C&S Companies**

Project Reference: 100 Dona Street, N.W. # 16-266

Sample Identifier: BH-10
Lab Sample ID: 165522-02 **Date Sampled:** 12/19/2016
Matrix: Soil **Date Received:** 12/22/2016

Volatile Organics

Analyte	Result	Units	Qualifier	Date Analyzed
1,1,1-Trichloroethane	< 11.6	ug/Kg		12/28/2016 14:41
1,1,2,2-Tetrachloroethane	< 11.6	ug/Kg		12/28/2016 14:41
1,1,2-Trichloroethane	< 11.6	ug/Kg		12/28/2016 14:41
1,1-Dichloroethane	< 11.6	ug/Kg		12/28/2016 14:41
1,1-Dichloroethene	< 11.6	ug/Kg		12/28/2016 14:41
1,2,3-Trichlorobenzene	< 29.0	ug/Kg		12/28/2016 14:41
1,2,4-Trichlorobenzene	< 29.0	ug/Kg		12/28/2016 14:41
1,2,4-Trimethylbenzene	< 11.6	ug/Kg		12/28/2016 14:41
1,2-Dibromo-3-Chloropropane	< 58.0	ug/Kg		12/28/2016 14:41
1,2-Dibromoethane	< 11.6	ug/Kg		12/28/2016 14:41
1,2-Dichlorobenzene	< 11.6	ug/Kg		12/28/2016 14:41
1,2-Dichloroethane	< 11.6	ug/Kg		12/28/2016 14:41
1,2-Dichloropropane	< 11.6	ug/Kg		12/28/2016 14:41
1,3,5-Trimethylbenzene	< 11.6	ug/Kg		12/28/2016 14:41
1,3-Dichlorobenzene	< 11.6	ug/Kg		12/28/2016 14:41
1,4-Dichlorobenzene	< 11.6	ug/Kg		12/28/2016 14:41
1,4-dioxane	< 116	ug/Kg		12/28/2016 14:41
2-Butanone	< 58.0	ug/Kg		12/28/2016 14:41
2-Hexanone	< 29.0	ug/Kg		12/28/2016 14:41
4-Methyl-2-pentanone	< 29.0	ug/Kg		12/28/2016 14:41
Acetone	< 58.0	ug/Kg		12/28/2016 14:41
Benzene	< 11.6	ug/Kg		12/28/2016 14:41
Bromochloromethane	< 29.0	ug/Kg		12/28/2016 14:41
Bromodichloromethane	< 11.6	ug/Kg		12/28/2016 14:41
Bromoform	< 29.0	ug/Kg		12/28/2016 14:41
Bromomethane	< 11.6	ug/Kg		12/28/2016 14:41
Carbon disulfide	**7.38**	ug/Kg	J	12/28/2016 14:41

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 165522

Client: **C&S Companies**

Project Reference: 100 Dona Street, N.W. # 16-266

Sample Identifier: BH-10
Lab Sample ID: 165522-02
Matrix: Soil
Date Sampled: 12/19/2016
Date Received: 12/22/2016

Carbon Tetrachloride	< 11.6	ug/Kg	12/28/2016	14:41
Chlorobenzene	< 11.6	ug/Kg	12/28/2016	14:41
Chloroethane	< 11.6	ug/Kg	12/28/2016	14:41
Chloroform	< 11.6	ug/Kg	12/28/2016	14:41
Chloromethane	< 11.6	ug/Kg	12/28/2016	14:41
cis-1,2-Dichloroethene	< 11.6	ug/Kg	12/28/2016	14:41
cis-1,3-Dichloropropene	< 11.6	ug/Kg	12/28/2016	14:41
Cyclohexane	< 58.0	ug/Kg	12/28/2016	14:41
Dibromochloromethane	< 11.6	ug/Kg	12/28/2016	14:41
Dichlorodifluoromethane	< 11.6	ug/Kg	12/28/2016	14:41
Ethylbenzene	< 11.6	ug/Kg	12/28/2016	14:41
Freon 113	< 11.6	ug/Kg	12/28/2016	14:41
Isopropylbenzene	< 11.6	ug/Kg	12/28/2016	14:41
m,p-Xylene	< 11.6	ug/Kg	12/28/2016	14:41
Methyl acetate	< 11.6	ug/Kg	12/28/2016	14:41
Methyl tert-butyl Ether	< 11.6	ug/Kg	12/28/2016	14:41
Methylcyclohexane	< 11.6	ug/Kg	12/28/2016	14:41
Methylene chloride	< 29.0	ug/Kg	12/28/2016	14:41
Naphthalene	< 29.0	ug/Kg	12/28/2016	14:41
n-Butylbenzene	< 11.6	ug/Kg	12/28/2016	14:41
n-Propylbenzene	< 11.6	ug/Kg	12/28/2016	14:41
o-Xylene	< 11.6	ug/Kg	12/28/2016	14:41
p-Isopropyltoluene	< 11.6	ug/Kg	12/28/2016	14:41
sec-Butylbenzene	< 11.6	ug/Kg	12/28/2016	14:41
Styrene	< 29.0	ug/Kg	12/28/2016	14:41
tert-Butylbenzene	< 11.6	ug/Kg	12/28/2016	14:41
Tetrachloroethene	< 11.6	ug/Kg	12/28/2016	14:41
Toluene	**13.9**	ug/Kg	12/28/2016	14:41
trans-1,2-Dichloroethene	< 11.6	ug/Kg	12/28/2016	14:41
trans-1,3-Dichloropropene	< 11.6	ug/Kg	12/28/2016	14:41

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 165522

Client: **C&S Companies**

Project Reference: 100 Dona Street, N.W. # 16-266

Sample Identifier: BH-10
Lab Sample ID: 165522-02 **Date Sampled:** 12/19/2016
Matrix: Soil **Date Received:** 12/22/2016

Trichloroethene	**398**	ug/Kg	Z	12/28/2016	14:41
Trichlorofluoromethane	< 11.6	ug/Kg		12/28/2016	14:41
Vinyl chloride	< 11.6	ug/Kg		12/28/2016	14:41

Surrogate	Percent Recovery	Limits	Outliers	Date Analyzed	
1,2-Dichloroethane-d4	**104**	82 - 124		12/28/2016	14:41
4-Bromofluorobenzene	**88.4**	80.5 - 116		12/28/2016	14:41
Pentafluorobenzene	**101**	88.7 - 112		12/28/2016	14:41
Toluene-D8	**98.7**	79.1 - 120		12/28/2016	14:41

Method Reference(s): EPA 8260C
EPA 5035A - L
Data File: x38113.D

This sample was not collected following SW846 5035A specifications. Accordingly, any Volatiles soil results that are less than 200 ug/Kg, including Non Detects, may be biased low, per ELAP method 5035 guidance document from 11/15/2012.

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 165522

Client: **C&S Companies**

Project Reference: 100 Dona Street, N.W. # 16-266

Sample Identifier:	BH-12		
Lab Sample ID:	165522-03	**Date Sampled:**	12/19/2016
Matrix:	Soil	**Date Received:**	12/22/2016

Metals

Analyte	Result	Units	Qualifier	Date Analyzed
Arsenic	**19.2**	mg/Kg		12/27/2016 17:41
Barium	**163**	mg/Kg		12/27/2016 17:41
Beryllium	**0.474**	mg/Kg		12/27/2016 17:41
Cadmium	**0.829**	mg/Kg		12/27/2016 17:41
Chromium	**14.9**	mg/Kg		12/27/2016 17:41
Copper	**52.6**	mg/Kg		12/27/2016 17:41
Lead	**259**	mg/Kg		12/27/2016 17:41
Manganese	**289**	mg/Kg		12/27/2016 17:41
Nickel	**22.6**	mg/Kg		12/27/2016 17:41
Selenium	**5.01**	mg/Kg		12/28/2016 12:18
Silver	< 0.607	mg/Kg		12/27/2016 17:41
Zinc	**273**	mg/Kg		12/27/2016 17:41

FINAL

Method Reference(s): EPA 6010C
EPA 3050B
Preparation Date: 12/27/2016
Data File: 122716c

This report is part of a multipage document and should only be evaluated in its entirety. The Chain of Custody provides additional sample information, including compliance with the sample condition requirements upon receipt.

Report Prepared Friday, December 30, 2016

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 165522

Client: **C&S Companies**

Project Reference: 100 Dona Street, N.W. # 16-266

Sample Identifier:	BH-12		
Lab Sample ID:	165522-03	**Date Sampled:**	12/19/2016
Matrix:	Soil	**Date Received:**	12/22/2016

Mercury

Analyte	Result	Units	Qualifier	Date Analyzed
Mercury	**0.148**	mg/Kg		12/27/2016 15:08

Method Reference(s): EPA 7471B
Preparation Date: 12/27/2016
Data File: Hg161227B

FINAL

This report is part of a multipage document and should only be evaluated in its entirety. The Chain of Custody provides additional sample information, including compliance with the sample condition requirements upon receipt.

Report Prepared Friday, December 30, 2016

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 165522

Client: **C&S Companies**

Project Reference: 100 Dona Street, N.W. # 16-266

Sample Identifier:	BH-12		
Lab Sample ID:	165522-03	**Date Sampled:**	12/19/2016
Matrix:	Soil	**Date Received:**	12/22/2016

PCBs

Analyte	Result	Units	Qualifier	Date Analyzed
PCB-1016	< 0.0344	mg/Kg		12/28/2016 12:53
PCB-1221	< 0.0344	mg/Kg		12/28/2016 12:53
PCB-1232	< 0.0344	mg/Kg		12/28/2016 12:53
PCB-1242	< 0.0344	mg/Kg		12/28/2016 12:53
PCB-1248	< 0.0344	mg/Kg		12/28/2016 12:53
PCB-1254	< 0.0344	mg/Kg		12/28/2016 12:53
PCB-1260	< 0.0344	mg/Kg		12/28/2016 12:53
PCB-1262	< 0.0344	mg/Kg		12/28/2016 12:53
PCB-1268	< 0.0344	mg/Kg		12/28/2016 12:53

Surrogate	Percent Recovery	Limits	Outliers	Date Analyzed
Decachlorobiphenyl	**67.7**	10 - 144		12/28/2016 12:53
Tetrachloro-m-xylene	**38.3**	10 - 140		12/28/2016 12:53

Method Reference(s): EPA 8082A
EPA 3550C

Preparation Date: 12/28/2016

Report Prepared Friday, December 30, 2016

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 165522

Client: **C&S Companies**

Project Reference: 100 Dona Street, N.W. # 16-266

Sample Identifier: BH-12
Lab Sample ID: 165522-03
Matrix: Soil
Date Sampled: 12/19/2016
Date Received: 12/22/2016

Semi-Volatile Organics (Acid/Base Neutrals)

Analyte	Result	Units	Qualifier	Date Analyzed
1,1-Biphenyl	< 343	ug/Kg		12/27/2016 18:21
1,2,4,5-Tetrachlorobenzene	< 343	ug/Kg		12/27/2016 18:21
1,2,4-Trichlorobenzene	< 343	ug/Kg		12/27/2016 18:21
1,2-Dichlorobenzene	< 343	ug/Kg		12/27/2016 18:21
1,3-Dichlorobenzene	< 343	ug/Kg		12/27/2016 18:21
1,4-Dichlorobenzene	< 343	ug/Kg		12/27/2016 18:21
2,2-Oxybis (1-chloropropane)	< 343	ug/Kg		12/27/2016 18:21
2,3,4,6-Tetrachlorophenol	< 343	ug/Kg		12/27/2016 18:21
2,4,5-Trichlorophenol	< 686	ug/Kg		12/27/2016 18:21
2,4,6-Trichlorophenol	< 343	ug/Kg		12/27/2016 18:21
2,4-Dichlorophenol	< 343	ug/Kg		12/27/2016 18:21
2,4-Dimethylphenol	< 343	ug/Kg		12/27/2016 18:21
2,4-Dinitrophenol	< 686	ug/Kg		12/27/2016 18:21
2,4-Dinitrotoluene	< 343	ug/Kg		12/27/2016 18:21
2,6-Dinitrotoluene	< 343	ug/Kg		12/27/2016 18:21
2-Chloronaphthalene	< 343	ug/Kg		12/27/2016 18:21
2-Chlorophenol	< 343	ug/Kg		12/27/2016 18:21
2-Methylnapthalene	< 343	ug/Kg		12/27/2016 18:21
2-Methylphenol	< 343	ug/Kg		12/27/2016 18:21
2-Nitroaniline	< 686	ug/Kg		12/27/2016 18:21
2-Nitrophenol	< 343	ug/Kg		12/27/2016 18:21
3&4-Methylphenol	< 343	ug/Kg		12/27/2016 18:21
3,3'-Dichlorobenzidine	< 343	ug/Kg		12/27/2016 18:21
3-Nitroaniline	< 686	ug/Kg		12/27/2016 18:21
4,6-Dinitro-2-methylphenol	< 686	ug/Kg		12/27/2016 18:21
4-Bromophenyl phenyl ether	< 343	ug/Kg		12/27/2016 18:21
4-Chloro-3-methylphenol	< 343	ug/Kg		12/27/2016 18:21

Report Prepared Friday, December 30, 2016

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 165522

Client: **C&S Companies**

Project Reference: 100 Dona Street, N.W. # 16-266

Sample Identifier: BH-12
Lab Sample ID: 165522-03
Matrix: Soil
Date Sampled: 12/19/2016
Date Received: 12/22/2016

4-Chloroaniline	< 343	ug/Kg	12/27/2016	18:21
4-Chlorophenyl phenyl ether	< 343	ug/Kg	12/27/2016	18:21
4-Nitroaniline	< 686	ug/Kg	12/27/2016	18:21
4-Nitrophenol	< 686	ug/Kg	12/27/2016	18:21
Acenaphthene	< 343	ug/Kg	12/27/2016	18:21
Acenaphthylene	< 343	ug/Kg	12/27/2016	18:21
Acetophenone	< 343	ug/Kg	12/27/2016	18:21
Anthracene	< 343	ug/Kg	12/27/2016	18:21
Atrazine	< 343	ug/Kg	12/27/2016	18:21
Benzaldehyde	< 343	ug/Kg	12/27/2016	18:21
Benzo (a) anthracene	< 343	ug/Kg	12/27/2016	18:21
Benzo (a) pyrene	< 343	ug/Kg	12/27/2016	18:21
Benzo (b) fluoranthene	< 343	ug/Kg	12/27/2016	18:21
Benzo (g,h,i) perylene	< 343	ug/Kg	12/27/2016	18:21
Benzo (k) fluoranthene	< 343	ug/Kg	12/27/2016	18:21
Bis (2-chloroethoxy) methane	< 343	ug/Kg	12/27/2016	18:21
Bis (2-chloroethyl) ether	< 343	ug/Kg	12/27/2016	18:21
Bis (2-ethylhexyl) phthalate	< 343	ug/Kg	12/27/2016	18:21
Butylbenzylphthalate	< 343	ug/Kg	12/27/2016	18:21
Caprolactam	< 343	ug/Kg	12/27/2016	18:21
Carbazole	< 343	ug/Kg	12/27/2016	18:21
Chrysene	< 343	ug/Kg	12/27/2016	18:21
Dibenz (a,h) anthracene	< 343	ug/Kg	12/27/2016	18:21
Dibenzofuran	< 343	ug/Kg	12/27/2016	18:21
Diethyl phthalate	< 343	ug/Kg	12/27/2016	18:21
Dimethyl phthalate	< 686	ug/Kg	12/27/2016	18:21
Di-n-butyl phthalate	< 343	ug/Kg	12/27/2016	18:21
Di-n-octylphthalate	< 343	ug/Kg	12/27/2016	18:21
Fluoranthene	< 343	ug/Kg	12/27/2016	18:21
Fluorene	< 343	ug/Kg	12/27/2016	18:21

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 165522

Client: **C&S Companies**

Project Reference: 100 Dona Street, N.W. # 16-266

Sample Identifier: BH-12
Lab Sample ID: 165522-03 **Date Sampled:** 12/19/2016
Matrix: Soil **Date Received:** 12/22/2016

Hexachlorobenzene	< 343	ug/Kg		12/27/2016	18:21
Hexachlorobutadiene	< 343	ug/Kg		12/27/2016	18:21
Hexachlorocyclopentadiene	< 343	ug/Kg		12/27/2016	18:21
Hexachloroethane	< 343	ug/Kg		12/27/2016	18:21
Indeno (1,2,3-cd) pyrene	< 343	ug/Kg		12/27/2016	18:21
Isophorone	< 343	ug/Kg		12/27/2016	18:21
Naphthalene	< 343	ug/Kg		12/27/2016	18:21
Nitrobenzene	< 343	ug/Kg		12/27/2016	18:21
N-Nitroso-di-n-propylamine	< 343	ug/Kg		12/27/2016	18:21
N-Nitrosodiphenylamine	< 343	ug/Kg		12/27/2016	18:21
Pentachlorophenol	< 686	ug/Kg		12/27/2016	18:21
Phenanthrene	< 343	ug/Kg		12/27/2016	18:21
Phenol	< 343	ug/Kg		12/27/2016	18:21
Pyrene	< 343	ug/Kg		12/27/2016	18:21

Surrogate	Percent Recovery	Limits	Outliers	Date Analyzed	
2,4,6-Tribromophenol	**73.6**	38 - 114		12/27/2016	18:21
2-Fluorobiphenyl	**52.7**	25 - 105		12/27/2016	18:21
2-Fluorophenol	**42.6**	30.8 - 84		12/27/2016	18:21
Nitrobenzene-d5	**46.5**	28.5 - 84.9		12/27/2016	18:21
Phenol-d5	**47.6**	32.5 - 89.6		12/27/2016	18:21
Terphenyl-d14	**79.1**	55.5 - 117		12/27/2016	18:21

Method Reference(s): EPA 8270D
EPA 3550C
Preparation Date: 12/27/2016
Data File: B16233.D

Report Prepared Friday, December 30, 2016

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 165522

Client: **C&S Companies**

Project Reference: 100 Dona Street, N.W. # 16-266

Sample Identifier: BH-12
Lab Sample ID: 165522-03 **Date Sampled:** 12/19/2016
Matrix: Soil **Date Received:** 12/22/2016

Volatile Organics

Analyte	Result	Units	Qualifier	Date Analyzed
1,1,1-Trichloroethane	< 10.5	ug/Kg		12/28/2016 14:17
1,1,2,2-Tetrachloroethane	< 10.5	ug/Kg		12/28/2016 14:17
1,1,2-Trichloroethane	< 10.5	ug/Kg		12/28/2016 14:17
1,1-Dichloroethane	< 10.5	ug/Kg		12/28/2016 14:17
1,1-Dichloroethene	< 10.5	ug/Kg		12/28/2016 14:17
1,2,3-Trichlorobenzene	< 26.2	ug/Kg		12/28/2016 14:17
1,2,4-Trichlorobenzene	< 26.2	ug/Kg		12/28/2016 14:17
1,2,4-Trimethylbenzene	< 10.5	ug/Kg		12/28/2016 14:17
1,2-Dibromo-3-Chloropropane	< 52.3	ug/Kg		12/28/2016 14:17
1,2-Dibromoethane	< 10.5	ug/Kg		12/28/2016 14:17
1,2-Dichlorobenzene	< 10.5	ug/Kg		12/28/2016 14:17
1,2-Dichloroethane	< 10.5	ug/Kg		12/28/2016 14:17
1,2-Dichloropropane	< 10.5	ug/Kg		12/28/2016 14:17
1,3,5-Trimethylbenzene	< 10.5	ug/Kg		12/28/2016 14:17
1,3-Dichlorobenzene	< 10.5	ug/Kg		12/28/2016 14:17
1,4-Dichlorobenzene	< 10.5	ug/Kg		12/28/2016 14:17
1,4-dioxane	< 105	ug/Kg		12/28/2016 14:17
2-Butanone	< 52.3	ug/Kg		12/28/2016 14:17
2-Hexanone	< 26.2	ug/Kg		12/28/2016 14:17
4-Methyl-2-pentanone	< 26.2	ug/Kg		12/28/2016 14:17
Acetone	< 52.3	ug/Kg		12/28/2016 14:17
Benzene	< 10.5	ug/Kg		12/28/2016 14:17
Bromochloromethane	< 26.2	ug/Kg		12/28/2016 14:17
Bromodichloromethane	< 10.5	ug/Kg		12/28/2016 14:17
Bromoform	< 26.2	ug/Kg		12/28/2016 14:17
Bromomethane	< 10.5	ug/Kg		12/28/2016 14:17
Carbon disulfide	< 10.5	ug/Kg		12/28/2016 14:17

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 165522

Client: **C&S Companies**

Project Reference: 100 Dona Street, N.W. # 16-266

Sample Identifier: BH-12
Lab Sample ID: 165522-03
Matrix: Soil
Date Sampled: 12/19/2016
Date Received: 12/22/2016

Carbon Tetrachloride	< 10.5	ug/Kg	12/28/2016	14:17
Chlorobenzene	< 10.5	ug/Kg	12/28/2016	14:17
Chloroethane	< 10.5	ug/Kg	12/28/2016	14:17
Chloroform	< 10.5	ug/Kg	12/28/2016	14:17
Chloromethane	< 10.5	ug/Kg	12/28/2016	14:17
cis-1,2-Dichloroethene	< 10.5	ug/Kg	12/28/2016	14:17
cis-1,3-Dichloropropene	< 10.5	ug/Kg	12/28/2016	14:17
Cyclohexane	< 52.3	ug/Kg	12/28/2016	14:17
Dibromochloromethane	< 10.5	ug/Kg	12/28/2016	14:17
Dichlorodifluoromethane	< 10.5	ug/Kg	12/28/2016	14:17
Ethylbenzene	< 10.5	ug/Kg	12/28/2016	14:17
Freon 113	< 10.5	ug/Kg	12/28/2016	14:17
Isopropylbenzene	< 10.5	ug/Kg	12/28/2016	14:17
m,p-Xylene	< 10.5	ug/Kg	12/28/2016	14:17
Methyl acetate	< 10.5	ug/Kg	12/28/2016	14:17
Methyl tert-butyl Ether	< 10.5	ug/Kg	12/28/2016	14:17
Methylcyclohexane	< 10.5	ug/Kg	12/28/2016	14:17
Methylene chloride	< 26.2	ug/Kg	12/28/2016	14:17
Naphthalene	< 26.2	ug/Kg	12/28/2016	14:17
n-Butylbenzene	< 10.5	ug/Kg	12/28/2016	14:17
n-Propylbenzene	< 10.5	ug/Kg	12/28/2016	14:17
o-Xylene	< 10.5	ug/Kg	12/28/2016	14:17
p-Isopropyltoluene	< 10.5	ug/Kg	12/28/2016	14:17
sec-Butylbenzene	< 10.5	ug/Kg	12/28/2016	14:17
Styrene	< 26.2	ug/Kg	12/28/2016	14:17
tert-Butylbenzene	< 10.5	ug/Kg	12/28/2016	14:17
Tetrachloroethene	< 10.5	ug/Kg	12/28/2016	14:17
Toluene	**21.2**	ug/Kg	12/28/2016	14:17
trans-1,2-Dichloroethene	< 10.5	ug/Kg	12/28/2016	14:17
trans-1,3-Dichloropropene	< 10.5	ug/Kg	12/28/2016	14:17

Report Prepared Friday, December 30, 2016

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 165522

Client: **C&S Companies**

Project Reference: 100 Dona Street, N.W. # 16-266

Sample Identifier: BH-12
Lab Sample ID: 165522-03 **Date Sampled:** 12/19/2016
Matrix: Soil **Date Received:** 12/22/2016

Trichloroethene	**700**	ug/Kg	Z	12/28/2016	14:17
Trichlorofluoromethane	< 10.5	ug/Kg		12/28/2016	14:17
Vinyl chloride	< 10.5	ug/Kg		12/28/2016	14:17

Surrogate	Percent Recovery	Limits	Outliers	Date Analyzed	
1,2-Dichloroethane-d4	**105**	82 - 124		12/28/2016	14:17
4-Bromofluorobenzene	**89.2**	80.5 - 116		12/28/2016	14:17
Pentafluorobenzene	**103**	88.7 - 112		12/28/2016	14:17
Toluene-D8	**98.1**	79.1 - 120		12/28/2016	14:17

Method Reference(s): EPA 8260C
EPA 5035A - L
Data File: x38112.D

This sample was not collected following SW846 5035A specifications. Accordingly, any Volatiles soil results that are less than 200 ug/Kg, including Non Detects, may be biased low, per ELAP method 5035 guidance document from 11/15/2012.

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 165522

Client: **C&S Companies**

Project Reference: 100 Dona Street, N.W. # 16-266

Sample Identifier:	BH-9		
Lab Sample ID:	165522-04	**Date Sampled:**	12/19/2016
Matrix:	Soil	**Date Received:**	12/22/2016

Mercury

Analyte	Result	Units	Qualifier	Date Analyzed
Mercury	**0.0874**	mg/Kg		12/27/2016 15:11

Method Reference(s): EPA 7471B
Preparation Date: 12/27/2016
Data File: Hg161227B

FINAL

Report Prepared Friday, December 30, 2016

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 165522

Client: **C&S Companies**

Project Reference: 100 Dona Street, N.W. # 16-266

Sample Identifier: BH-9
Lab Sample ID: 165522-04
Matrix: Soil
Date Sampled: 12/19/2016
Date Received: 12/22/2016

TAL Metals (ICP)

Analyte	Result	Units	Qualifier	Date Analyzed
Aluminum	**4220**	mg/Kg		12/27/2016 17:46
Antimony	**3.23**	mg/Kg	J	12/27/2016 17:46
Arsenic	**11.4**	mg/Kg		12/27/2016 17:46
Barium	**110**	mg/Kg		12/27/2016 17:46
Beryllium	**0.596**	mg/Kg		12/27/2016 17:46
Cadmium	**0.744**	mg/Kg		12/27/2016 17:46
Calcium	**15800**	mg/Kg		12/27/2016 17:46
Chromium	**15.1**	mg/Kg		12/27/2016 17:46
Cobalt	**6.14**	mg/Kg		12/27/2016 17:46
Copper	**47.3**	mg/Kg		12/27/2016 17:46
Iron	**37800**	mg/Kg		12/28/2016 12:57
Lead	**82.7**	mg/Kg		12/27/2016 17:46
Magnesium	**1420**	mg/Kg		12/27/2016 17:46
Manganese	**498**	mg/Kg		12/27/2016 17:46
Nickel	**14.0**	mg/Kg		12/27/2016 17:46
Potassium	**347**	mg/Kg		12/27/2016 17:46
Selenium	**6.06**	mg/Kg		12/28/2016 12:22
Silver	< 0.560	mg/Kg		12/27/2016 17:46
Sodium	**142**	mg/Kg		12/27/2016 17:46
Thallium	< 1.40	mg/Kg		12/27/2016 17:46
Vanadium	**12.1**	mg/Kg		12/27/2016 17:46
Zinc	**111**	mg/Kg		12/27/2016 17:46

Method Reference(s): EPA 6010C
EPA 3050B
Preparation Date: 12/27/2016
Data File: 122716c

Report Prepared Friday, December 30, 2016

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 165522

Client: **C&S Companies**

Project Reference: 100 Dona Street, N.W. # 16-266

Sample Identifier:	BH-9		
Lab Sample ID:	165522-04	**Date Sampled:**	12/19/2016
Matrix:	Soil	**Date Received:**	12/22/2016

PCBs

Analyte	Result	Units	Qualifier	Date Analyzed
PCB-1016	< 0.0326	mg/Kg		12/28/2016 13:16
PCB-1221	< 0.0326	mg/Kg		12/28/2016 13:16
PCB-1232	< 0.0326	mg/Kg		12/28/2016 13:16
PCB-1242	< 0.0326	mg/Kg		12/28/2016 13:16
PCB-1248	< 0.0326	mg/Kg		12/28/2016 13:16
PCB-1254	< 0.0326	mg/Kg		12/28/2016 13:16
PCB-1260	< 0.0326	mg/Kg		12/28/2016 13:16
PCB-1262	< 0.0326	mg/Kg		12/28/2016 13:16
PCB-1268	< 0.0326	mg/Kg		12/28/2016 13:16

Surrogate	Percent Recovery	Limits	Outliers	Date Analyzed
Decachlorobiphenyl	**67.6**	10 - 144		12/28/2016 13:16
Tetrachloro-m-xylene	**48.0**	10 - 140		12/28/2016 13:16

Method Reference(s): EPA 8082A
EPA 3550C

Preparation Date: 12/28/2016

Report Prepared Friday, December 30, 2016

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 165522

Client: **C&S Companies**

Project Reference: 100 Dona Street, N.W. # 16-266

Sample Identifier: BH-9
Lab Sample ID: 165522-04
Matrix: Soil
Date Sampled: 12/19/2016
Date Received: 12/22/2016

Semi-Volatile Organics (Acid/Base Neutrals)

Analyte	Result	Units	Qualifier	Date Analyzed
1,1-Biphenyl	< 326	ug/Kg		12/27/2016 18:51
1,2,4,5-Tetrachlorobenzene	< 326	ug/Kg		12/27/2016 18:51
1,2,4-Trichlorobenzene	< 326	ug/Kg		12/27/2016 18:51
1,2-Dichlorobenzene	< 326	ug/Kg		12/27/2016 18:51
1,3-Dichlorobenzene	< 326	ug/Kg		12/27/2016 18:51
1,4-Dichlorobenzene	< 326	ug/Kg		12/27/2016 18:51
2,2-Oxybis (1-chloropropane)	< 326	ug/Kg		12/27/2016 18:51
2,3,4,6-Tetrachlorophenol	< 326	ug/Kg		12/27/2016 18:51
2,4,5-Trichlorophenol	< 653	ug/Kg		12/27/2016 18:51
2,4,6-Trichlorophenol	< 326	ug/Kg		12/27/2016 18:51
2,4-Dichlorophenol	< 326	ug/Kg		12/27/2016 18:51
2,4-Dimethylphenol	< 326	ug/Kg		12/27/2016 18:51
2,4-Dinitrophenol	< 653	ug/Kg		12/27/2016 18:51
2,4-Dinitrotoluene	< 326	ug/Kg		12/27/2016 18:51
2,6-Dinitrotoluene	< 326	ug/Kg		12/27/2016 18:51
2-Chloronaphthalene	< 326	ug/Kg		12/27/2016 18:51
2-Chlorophenol	< 326	ug/Kg		12/27/2016 18:51
2-Methylnapthalene	< 326	ug/Kg		12/27/2016 18:51
2-Methylphenol	< 326	ug/Kg		12/27/2016 18:51
2-Nitroaniline	< 653	ug/Kg		12/27/2016 18:51
2-Nitrophenol	< 326	ug/Kg		12/27/2016 18:51
3&4-Methylphenol	< 326	ug/Kg		12/27/2016 18:51
3,3'-Dichlorobenzidine	< 326	ug/Kg		12/27/2016 18:51
3-Nitroaniline	< 653	ug/Kg		12/27/2016 18:51
4,6-Dinitro-2-methylphenol	< 653	ug/Kg		12/27/2016 18:51
4-Bromophenyl phenyl ether	< 326	ug/Kg		12/27/2016 18:51
4-Chloro-3-methylphenol	< 326	ug/Kg		12/27/2016 18:51

Report Prepared Friday, December 30, 2016

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 165522

Client: **C&S Companies**

Project Reference: 100 Dona Street, N.W. # 16-266

Sample Identifier: BH-9
Lab Sample ID: 165522-04
Matrix: Soil
Date Sampled: 12/19/2016
Date Received: 12/22/2016

4-Chloroaniline	< 326	ug/Kg		12/27/2016	18:51
4-Chlorophenyl phenyl ether	< 326	ug/Kg		12/27/2016	18:51
4-Nitroaniline	< 653	ug/Kg		12/27/2016	18:51
4-Nitrophenol	< 653	ug/Kg		12/27/2016	18:51
Acenaphthene	< 326	ug/Kg		12/27/2016	18:51
Acenaphthylene	< 326	ug/Kg		12/27/2016	18:51
Acetophenone	< 326	ug/Kg		12/27/2016	18:51
Anthracene	< 326	ug/Kg		12/27/2016	18:51
Atrazine	< 326	ug/Kg		12/27/2016	18:51
Benzaldehyde	< 326	ug/Kg		12/27/2016	18:51
Benzo (a) anthracene	**186**	ug/Kg	J	12/27/2016	18:51
Benzo (a) pyrene	< 326	ug/Kg		12/27/2016	18:51
Benzo (b) fluoranthene	**183**	ug/Kg	J	12/27/2016	18:51
Benzo (g,h,i) perylene	**171**	ug/Kg	J	12/27/2016	18:51
Benzo (k) fluoranthene	< 326	ug/Kg		12/27/2016	18:51
Bis (2-chloroethoxy) methane	< 326	ug/Kg		12/27/2016	18:51
Bis (2-chloroethyl) ether	< 326	ug/Kg		12/27/2016	18:51
Bis (2-ethylhexyl) phthalate	< 326	ug/Kg		12/27/2016	18:51
Butylbenzylphthalate	< 326	ug/Kg		12/27/2016	18:51
Caprolactam	< 326	ug/Kg		12/27/2016	18:51
Carbazole	< 326	ug/Kg		12/27/2016	18:51
Chrysene	**196**	ug/Kg	J	12/27/2016	18:51
Dibenz (a,h) anthracene	< 326	ug/Kg		12/27/2016	18:51
Dibenzofuran	< 326	ug/Kg		12/27/2016	18:51
Diethyl phthalate	< 326	ug/Kg		12/27/2016	18:51
Dimethyl phthalate	< 653	ug/Kg		12/27/2016	18:51
Di-n-butyl phthalate	< 326	ug/Kg		12/27/2016	18:51
Di-n-octylphthalate	< 326	ug/Kg		12/27/2016	18:51
Fluoranthene	**291**	ug/Kg	J	12/27/2016	18:51
Fluorene	< 326	ug/Kg		12/27/2016	18:51

Report Prepared Friday, December 30, 2016

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 165522

Client: **C&S Companies**

Project Reference: 100 Dona Street, N.W. # 16-266

Sample Identifier: BH-9
Lab Sample ID: 165522-04
Matrix: Soil
Date Sampled: 12/19/2016
Date Received: 12/22/2016

Hexachlorobenzene	< 326	ug/Kg		12/27/2016	18:51
Hexachlorobutadiene	< 326	ug/Kg		12/27/2016	18:51
Hexachlorocyclopentadiene	< 326	ug/Kg		12/27/2016	18:51
Hexachloroethane	< 326	ug/Kg		12/27/2016	18:51
Indeno (1,2,3-cd) pyrene	< 326	ug/Kg		12/27/2016	18:51
Isophorone	< 326	ug/Kg		12/27/2016	18:51
Naphthalene	< 326	ug/Kg		12/27/2016	18:51
Nitrobenzene	< 326	ug/Kg		12/27/2016	18:51
N-Nitroso-di-n-propylamine	< 326	ug/Kg		12/27/2016	18:51
N-Nitrosodiphenylamine	< 326	ug/Kg		12/27/2016	18:51
Pentachlorophenol	< 653	ug/Kg		12/27/2016	18:51
Phenanthrene	**202**	ug/Kg	J	12/27/2016	18:51
Phenol	< 326	ug/Kg		12/27/2016	18:51
Pyrene	**252**	ug/Kg	J	12/27/2016	18:51

Surrogate	Percent Recovery	Limits	Outliers	Date Analyzed	
2,4,6-Tribromophenol	**69.1**	38 - 114		12/27/2016	18:51
2-Fluorobiphenyl	**65.7**	25 - 105		12/27/2016	18:51
2-Fluorophenol	**46.8**	30.8 - 84		12/27/2016	18:51
Nitrobenzene-d5	**51.9**	28.5 - 84.9		12/27/2016	18:51
Phenol-d5	**55.5**	32.5 - 89.6		12/27/2016	18:51
Terphenyl-d14	**80.2**	55.5 - 117		12/27/2016	18:51

Method Reference(s): EPA 8270D
EPA 3550C
Preparation Date: 12/27/2016
Data File: B16234.D

Report Prepared Friday, December 30, 2016

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 165522

Client: **C&S Companies**

Project Reference: 100 Dona Street, N.W. # 16-266

Sample Identifier: BH-9
Lab Sample ID: 165522-04
Matrix: Soil
Date Sampled: 12/19/2016
Date Received: 12/22/2016

Volatile Organics

Analyte	Result	Units	Qualifier	Date Analyzed
1,1,1-Trichloroethane	< 11.8	ug/Kg		12/28/2016 13:54
1,1,2,2-Tetrachloroethane	< 11.8	ug/Kg		12/28/2016 13:54
1,1,2-Trichloroethane	< 11.8	ug/Kg		12/28/2016 13:54
1,1-Dichloroethane	< 11.8	ug/Kg		12/28/2016 13:54
1,1-Dichloroethene	< 11.8	ug/Kg		12/28/2016 13:54
1,2,3-Trichlorobenzene	< 29.5	ug/Kg		12/28/2016 13:54
1,2,4-Trichlorobenzene	< 29.5	ug/Kg		12/28/2016 13:54
1,2-Dibromo-3-Chloropropane	< 59.0	ug/Kg		12/28/2016 13:54
1,2-Dibromoethane	< 11.8	ug/Kg		12/28/2016 13:54
1,2-Dichlorobenzene	< 11.8	ug/Kg		12/28/2016 13:54
1,2-Dichloroethane	< 11.8	ug/Kg		12/28/2016 13:54
1,2-Dichloropropane	< 11.8	ug/Kg		12/28/2016 13:54
1,3-Dichlorobenzene	< 11.8	ug/Kg		12/28/2016 13:54
1,4-Dichlorobenzene	< 11.8	ug/Kg		12/28/2016 13:54
1,4-dioxane	< 118	ug/Kg		12/28/2016 13:54
2-Butanone	< 59.0	ug/Kg		12/28/2016 13:54
2-Hexanone	< 29.5	ug/Kg		12/28/2016 13:54
4-Methyl-2-pentanone	< 29.5	ug/Kg		12/28/2016 13:54
Acetone	< 59.0	ug/Kg		12/28/2016 13:54
Benzene	< 11.8	ug/Kg		12/28/2016 13:54
Bromochloromethane	< 29.5	ug/Kg		12/28/2016 13:54
Bromodichloromethane	< 11.8	ug/Kg		12/28/2016 13:54
Bromoform	< 29.5	ug/Kg		12/28/2016 13:54
Bromomethane	< 11.8	ug/Kg		12/28/2016 13:54
Carbon disulfide	< 11.8	ug/Kg		12/28/2016 13:54
Carbon Tetrachloride	< 11.8	ug/Kg		12/28/2016 13:54
Chlorobenzene	< 11.8	ug/Kg		12/28/2016 13:54

Report Prepared Friday, December 30, 2016

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 165522

Client: **C&S Companies**

Project Reference: 100 Dona Street, N.W. # 16-266

Sample Identifier: BH-9
Lab Sample ID: 165522-04
Matrix: Soil
Date Sampled: 12/19/2016
Date Received: 12/22/2016

Chloroethane	< 11.8	ug/Kg		12/28/2016	13:54
Chloroform	< 11.8	ug/Kg		12/28/2016	13:54
Chloromethane	< 11.8	ug/Kg		12/28/2016	13:54
cis-1,2-Dichloroethene	< 11.8	ug/Kg		12/28/2016	13:54
cis-1,3-Dichloropropene	< 11.8	ug/Kg		12/28/2016	13:54
Cyclohexane	< 59.0	ug/Kg		12/28/2016	13:54
Dibromochloromethane	< 11.8	ug/Kg		12/28/2016	13:54
Dichlorodifluoromethane	< 11.8	ug/Kg		12/28/2016	13:54
Ethylbenzene	< 11.8	ug/Kg		12/28/2016	13:54
Freon 113	< 11.8	ug/Kg		12/28/2016	13:54
Isopropylbenzene	< 11.8	ug/Kg		12/28/2016	13:54
m,p-Xylene	< 11.8	ug/Kg		12/28/2016	13:54
Methyl acetate	< 11.8	ug/Kg		12/28/2016	13:54
Methyl tert-butyl Ether	< 11.8	ug/Kg		12/28/2016	13:54
Methylcyclohexane	< 11.8	ug/Kg		12/28/2016	13:54
Methylene chloride	< 29.5	ug/Kg		12/28/2016	13:54
o-Xylene	< 11.8	ug/Kg		12/28/2016	13:54
Styrene	< 29.5	ug/Kg		12/28/2016	13:54
Tetrachloroethene	< 11.8	ug/Kg		12/28/2016	13:54
Toluene	**33.3**	ug/Kg		12/28/2016	13:54
trans-1,2-Dichloroethene	< 11.8	ug/Kg		12/28/2016	13:54
trans-1,3-Dichloropropene	< 11.8	ug/Kg		12/28/2016	13:54
Trichloroethene	**771**	ug/Kg	Z	12/28/2016	13:54
Trichlorofluoromethane	< 11.8	ug/Kg		12/28/2016	13:54
Vinyl chloride	< 11.8	ug/Kg		12/28/2016	13:54

Report Prepared Friday, December 30, 2016

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 165522

Client: **C&S Companies**

Project Reference: 100 Dona Street, N.W. # 16-266

Sample Identifier: BH-9
Lab Sample ID: 165522-04 **Date Sampled:** 12/19/2016
Matrix: Soil **Date Received:** 12/22/2016

Surrogate	Percent Recovery	Limits	Outliers	Date Analyzed
1,2-Dichloroethane-d4	**107**	82 - 124		12/28/2016 13:54
4-Bromofluorobenzene	**81.7**	80.5 - 116		12/28/2016 13:54
Pentafluorobenzene	**101**	88.7 - 112		12/28/2016 13:54
Toluene-D8	**96.8**	79.1 - 120		12/28/2016 13:54

Method Reference(s): EPA 8260C
EPA 5035A - L
Data File: x38111.D

This sample was not collected following SW846 5035A specifications. Accordingly, any Volatiles soil results that are less than 200 ug/Kg, including Non Detects, may be biased low, per ELAP method 5035 guidance document from 11/15/2012.

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 165522

Client: **C&S Companies**

Project Reference: 100 Dona Street, N.W. # 16-266

Sample Identifier:	BH-8		
Lab Sample ID:	165522-05	**Date Sampled:**	12/19/2016
Matrix:	Soil	**Date Received:**	12/22/2016

Mercury

Analyte	Result	Units	Qualifier	Date Analyzed
Mercury	**0.131**	mg/Kg		12/27/2016 15:15

Method Reference(s): EPA 7471B
Preparation Date: 12/27/2016
Data File: Hg161227B

FINAL

This report is part of a multipage document and should only be evaluated in its entirety. The Chain of Custody provides additional sample information, including compliance with the sample condition requirements upon receipt.

Report Prepared Friday, December 30, 2016

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 165522

Client: **C&S Companies**

Project Reference: 100 Dona Street, N.W. # 16-266

Sample Identifier: BH-8
Lab Sample ID: 165522-05
Matrix: Soil
Date Sampled: 12/19/2016
Date Received: 12/22/2016

TAL Metals (ICP)

Analyte	Result	Units	Qualifier	Date Analyzed
Aluminum	**12400**	mg/Kg		12/27/2016 17:50
Antimony	< 3.66	mg/Kg		12/27/2016 17:50
Arsenic	**7.82**	mg/Kg		12/27/2016 17:50
Barium	**104**	mg/Kg		12/27/2016 17:50
Beryllium	**0.606**	mg/Kg		12/27/2016 17:50
Cadmium	**0.734**	mg/Kg		12/27/2016 17:50
Calcium	**4930**	mg/Kg		12/27/2016 17:50
Chromium	**15.2**	mg/Kg		12/27/2016 17:50
Cobalt	**6.11**	mg/Kg		12/27/2016 17:50
Copper	**19.8**	mg/Kg		12/27/2016 17:50
Iron	**17200**	mg/Kg		12/27/2016 17:50
Lead	**21.1**	mg/Kg		12/27/2016 17:50
Magnesium	**1710**	mg/Kg		12/27/2016 17:50
Manganese	**1760**	mg/Kg		12/28/2016 12:26
Nickel	**15.6**	mg/Kg		12/27/2016 17:50
Potassium	**1230**	mg/Kg		12/27/2016 17:50
Selenium	**3.86**	mg/Kg		12/28/2016 12:31
Silver	< 0.610	mg/Kg		12/27/2016 17:50
Sodium	< 152	mg/Kg		12/27/2016 17:50
Thallium	< 1.52	mg/Kg		12/27/2016 17:50
Vanadium	**23.8**	mg/Kg		12/27/2016 17:50
Zinc	**94.6**	mg/Kg		12/27/2016 17:50

Method Reference(s): EPA 6010C
EPA 3050B
Preparation Date: 12/27/2016
Data File: 122716c

Report Prepared Friday, December 30, 2016

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 165522

Client: **C&S Companies**

Project Reference: 100 Dona Street, N.W. # 16-266

Sample Identifier:	BH-8		
Lab Sample ID:	165522-05	**Date Sampled:**	12/19/2016
Matrix:	Soil	**Date Received:**	12/22/2016

PCBs

Analyte	Result	Units	Qualifier	Date Analyzed
PCB-1016	< 0.0381	mg/Kg		12/28/2016 13:40
PCB-1221	< 0.0381	mg/Kg		12/28/2016 13:40
PCB-1232	< 0.0381	mg/Kg		12/28/2016 13:40
PCB-1242	< 0.0381	mg/Kg		12/28/2016 13:40
PCB-1248	< 0.0381	mg/Kg		12/28/2016 13:40
PCB-1254	< 0.0381	mg/Kg		12/28/2016 13:40
PCB-1260	< 0.0381	mg/Kg		12/28/2016 13:40
PCB-1262	< 0.0381	mg/Kg		12/28/2016 13:40
PCB-1268	< 0.0381	mg/Kg		12/28/2016 13:40

Surrogate	Percent Recovery	Limits	Outliers	Date Analyzed
Decachlorobiphenyl	**69.5**	10 - 144		12/28/2016 13:40
Tetrachloro-m-xylene	**48.0**	10 - 140		12/28/2016 13:40

Method Reference(s): EPA 8082A
EPA 3550C

Preparation Date: 12/28/2016

Report Prepared Friday, December 30, 2016

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 165522

Client: **C&S Companies**

Project Reference: 100 Dona Street, N.W. # 16-266

Sample Identifier: BH-8
Lab Sample ID: 165522-05
Matrix: Soil
Date Sampled: 12/19/2016
Date Received: 12/22/2016

Semi-Volatile Organics (Acid/Base Neutrals)

Analyte	Result	Units	Qualifier	Date Analyzed
1,1-Biphenyl	< 383	ug/Kg		12/27/2016 19:20
1,2,4,5-Tetrachlorobenzene	< 383	ug/Kg		12/27/2016 19:20
1,2,4-Trichlorobenzene	< 383	ug/Kg		12/27/2016 19:20
1,2-Dichlorobenzene	< 383	ug/Kg		12/27/2016 19:20
1,3-Dichlorobenzene	< 383	ug/Kg		12/27/2016 19:20
1,4-Dichlorobenzene	< 383	ug/Kg		12/27/2016 19:20
2,2-Oxybis (1-chloropropane)	< 383	ug/Kg		12/27/2016 19:20
2,3,4,6-Tetrachlorophenol	< 383	ug/Kg		12/27/2016 19:20
2,4,5-Trichlorophenol	< 767	ug/Kg		12/27/2016 19:20
2,4,6-Trichlorophenol	< 383	ug/Kg		12/27/2016 19:20
2,4-Dichlorophenol	< 383	ug/Kg		12/27/2016 19:20
2,4-Dimethylphenol	< 383	ug/Kg		12/27/2016 19:20
2,4-Dinitrophenol	< 767	ug/Kg		12/27/2016 19:20
2,4-Dinitrotoluene	< 383	ug/Kg		12/27/2016 19:20
2,6-Dinitrotoluene	< 383	ug/Kg		12/27/2016 19:20
2-Chloronaphthalene	< 383	ug/Kg		12/27/2016 19:20
2-Chlorophenol	< 383	ug/Kg		12/27/2016 19:20
2-Methylnapthalene	< 383	ug/Kg		12/27/2016 19:20
2-Methylphenol	< 383	ug/Kg		12/27/2016 19:20
2-Nitroaniline	< 767	ug/Kg		12/27/2016 19:20
2-Nitrophenol	< 383	ug/Kg		12/27/2016 19:20
3&4-Methylphenol	< 383	ug/Kg		12/27/2016 19:20
3,3'-Dichlorobenzidine	< 383	ug/Kg		12/27/2016 19:20
3-Nitroaniline	< 767	ug/Kg		12/27/2016 19:20
4,6-Dinitro-2-methylphenol	< 767	ug/Kg		12/27/2016 19:20
4-Bromophenyl phenyl ether	< 383	ug/Kg		12/27/2016 19:20
4-Chloro-3-methylphenol	< 383	ug/Kg		12/27/2016 19:20

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 165522

Client: **C&S Companies**

Project Reference: 100 Dona Street, N.W. # 16-266

Sample Identifier: BH-8
Lab Sample ID: 165522-05
Matrix: Soil
Date Sampled: 12/19/2016
Date Received: 12/22/2016

4-Chloroaniline	< 383	ug/Kg	12/27/2016	19:20
4-Chlorophenyl phenyl ether	< 383	ug/Kg	12/27/2016	19:20
4-Nitroaniline	< 767	ug/Kg	12/27/2016	19:20
4-Nitrophenol	< 767	ug/Kg	12/27/2016	19:20
Acenaphthene	< 383	ug/Kg	12/27/2016	19:20
Acenaphthylene	< 383	ug/Kg	12/27/2016	19:20
Acetophenone	< 383	ug/Kg	12/27/2016	19:20
Anthracene	< 383	ug/Kg	12/27/2016	19:20
Atrazine	< 383	ug/Kg	12/27/2016	19:20
Benzaldehyde	< 383	ug/Kg	12/27/2016	19:20
Benzo (a) anthracene	< 383	ug/Kg	12/27/2016	19:20
Benzo (a) pyrene	< 383	ug/Kg	12/27/2016	19:20
Benzo (b) fluoranthene	< 383	ug/Kg	12/27/2016	19:20
Benzo (g,h,i) perylene	< 383	ug/Kg	12/27/2016	19:20
Benzo (k) fluoranthene	< 383	ug/Kg	12/27/2016	19:20
Bis (2-chloroethoxy) methane	< 383	ug/Kg	12/27/2016	19:20
Bis (2-chloroethyl) ether	< 383	ug/Kg	12/27/2016	19:20
Bis (2-ethylhexyl) phthalate	< 383	ug/Kg	12/27/2016	19:20
Butylbenzylphthalate	< 383	ug/Kg	12/27/2016	19:20
Caprolactam	< 383	ug/Kg	12/27/2016	19:20
Carbazole	< 383	ug/Kg	12/27/2016	19:20
Chrysene	< 383	ug/Kg	12/27/2016	19:20
Dibenz (a,h) anthracene	< 383	ug/Kg	12/27/2016	19:20
Dibenzofuran	< 383	ug/Kg	12/27/2016	19:20
Diethyl phthalate	< 383	ug/Kg	12/27/2016	19:20
Dimethyl phthalate	< 767	ug/Kg	12/27/2016	19:20
Di-n-butyl phthalate	< 383	ug/Kg	12/27/2016	19:20
Di-n-octylphthalate	< 383	ug/Kg	12/27/2016	19:20
Fluoranthene	< 383	ug/Kg	12/27/2016	19:20
Fluorene	< 383	ug/Kg	12/27/2016	19:20

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 165522

Client: **C&S Companies**

Project Reference: 100 Dona Street, N.W. # 16-266

Sample Identifier: BH-8
Lab Sample ID: 165522-05
Matrix: Soil
Date Sampled: 12/19/2016
Date Received: 12/22/2016

Hexachlorobenzene	< 383	ug/Kg			12/27/2016 19:20
Hexachlorobutadiene	< 383	ug/Kg			12/27/2016 19:20
Hexachlorocyclopentadiene	< 383	ug/Kg			12/27/2016 19:20
Hexachloroethane	< 383	ug/Kg			12/27/2016 19:20
Indeno (1,2,3-cd) pyrene	< 383	ug/Kg			12/27/2016 19:20
Isophorone	< 383	ug/Kg			12/27/2016 19:20
Naphthalene	< 383	ug/Kg			12/27/2016 19:20
Nitrobenzene	< 383	ug/Kg			12/27/2016 19:20
N-Nitroso-di-n-propylamine	< 383	ug/Kg			12/27/2016 19:20
N-Nitrosodiphenylamine	< 383	ug/Kg			12/27/2016 19:20
Pentachlorophenol	< 767	ug/Kg			12/27/2016 19:20
Phenanthrene	< 383	ug/Kg			12/27/2016 19:20
Phenol	< 383	ug/Kg			12/27/2016 19:20
Pyrene	< 383	ug/Kg			12/27/2016 19:20

Surrogate	Percent Recovery	Limits	Outliers	Date Analyzed
2,4,6-Tribromophenol	**67.2**	38 - 114		12/27/2016 19:20
2-Fluorobiphenyl	**55.9**	25 - 105		12/27/2016 19:20
2-Fluorophenol	**45.5**	30.8 - 84		12/27/2016 19:20
Nitrobenzene-d5	**45.4**	28.5 - 84.9		12/27/2016 19:20
Phenol-d5	**53.0**	32.5 - 89.6		12/27/2016 19:20
Terphenyl-d14	**68.7**	55.5 - 117		12/27/2016 19:20

Method Reference(s): EPA 8270D
EPA 3550C
Preparation Date: 12/27/2016
Data File: B16235.D

Report Prepared Friday, December 30, 2016

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 165522

Client: **C&S Companies**

Project Reference: 100 Dona Street, N.W. # 16-266

Sample Identifier:	BH-8		
Lab Sample ID:	165522-05	**Date Sampled:**	12/19/2016
Matrix:	Soil	**Date Received:**	12/22/2016

Volatile Organics

Analyte	Result	Units	Qualifier	Date Analyzed
1,1,1-Trichloroethane	< 4.37	ug/Kg		12/28/2016 12:16
1,1,2,2-Tetrachloroethane	< 4.37	ug/Kg		12/28/2016 12:16
1,1,2-Trichloroethane	< 4.37	ug/Kg		12/28/2016 12:16
1,1-Dichloroethane	< 4.37	ug/Kg		12/28/2016 12:16
1,1-Dichloroethene	< 4.37	ug/Kg		12/28/2016 12:16
1,2,3-Trichlorobenzene	< 10.9	ug/Kg		12/28/2016 12:16
1,2,4-Trichlorobenzene	< 10.9	ug/Kg		12/28/2016 12:16
1,2-Dibromo-3-Chloropropane	< 21.8	ug/Kg		12/28/2016 12:16
1,2-Dibromoethane	< 4.37	ug/Kg		12/28/2016 12:16
1,2-Dichlorobenzene	< 4.37	ug/Kg		12/28/2016 12:16
1,2-Dichloroethane	< 4.37	ug/Kg		12/28/2016 12:16
1,2-Dichloropropane	< 4.37	ug/Kg		12/28/2016 12:16
1,3-Dichlorobenzene	< 4.37	ug/Kg		12/28/2016 12:16
1,4-Dichlorobenzene	< 4.37	ug/Kg		12/28/2016 12:16
1,4-dioxane	< 43.7	ug/Kg		12/28/2016 12:16
2-Butanone	< 21.8	ug/Kg		12/28/2016 12:16
2-Hexanone	< 10.9	ug/Kg		12/28/2016 12:16
4-Methyl-2-pentanone	< 10.9	ug/Kg		12/28/2016 12:16
Acetone	< 21.8	ug/Kg		12/28/2016 12:16
Benzene	< 4.37	ug/Kg		12/28/2016 12:16
Bromochloromethane	< 10.9	ug/Kg		12/28/2016 12:16
Bromodichloromethane	< 4.37	ug/Kg		12/28/2016 12:16
Bromoform	< 10.9	ug/Kg		12/28/2016 12:16
Bromomethane	< 4.37	ug/Kg		12/28/2016 12:16
Carbon disulfide	< 4.37	ug/Kg		12/28/2016 12:16
Carbon Tetrachloride	< 4.37	ug/Kg		12/28/2016 12:16
Chlorobenzene	< 4.37	ug/Kg		12/28/2016 12:16

Report Prepared Friday, December 30, 2016

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 165522

Client: **C&S Companies**

Project Reference: 100 Dona Street, N.W. # 16-266

Sample Identifier: BH-8
Lab Sample ID: 165522-05
Matrix: Soil
Date Sampled: 12/19/2016
Date Received: 12/22/2016

Chloroethane	< 4.37	ug/Kg		12/28/2016	12:16
Chloroform	< 4.37	ug/Kg		12/28/2016	12:16
Chloromethane	< 4.37	ug/Kg		12/28/2016	12:16
cis-1,2-Dichloroethene	< 4.37	ug/Kg		12/28/2016	12:16
cis-1,3-Dichloropropene	< 4.37	ug/Kg		12/28/2016	12:16
Cyclohexane	< 21.8	ug/Kg		12/28/2016	12:16
Dibromochloromethane	< 4.37	ug/Kg		12/28/2016	12:16
Dichlorodifluoromethane	< 4.37	ug/Kg		12/28/2016	12:16
Ethylbenzene	< 4.37	ug/Kg		12/28/2016	12:16
Freon 113	< 4.37	ug/Kg		12/28/2016	12:16
Isopropylbenzene	< 4.37	ug/Kg		12/28/2016	12:16
m,p-Xylene	< 4.37	ug/Kg		12/28/2016	12:16
Methyl acetate	< 4.37	ug/Kg		12/28/2016	12:16
Methyl tert-butyl Ether	< 4.37	ug/Kg		12/28/2016	12:16
Methylcyclohexane	< 4.37	ug/Kg		12/28/2016	12:16
Methylene chloride	< 10.9	ug/Kg		12/28/2016	12:16
o-Xylene	< 4.37	ug/Kg		12/28/2016	12:16
Styrene	< 10.9	ug/Kg		12/28/2016	12:16
Tetrachloroethene	< 4.37	ug/Kg		12/28/2016	12:16
Toluene	< 4.37	ug/Kg		12/28/2016	12:16
trans-1,2-Dichloroethene	< 4.37	ug/Kg		12/28/2016	12:16
trans-1,3-Dichloropropene	< 4.37	ug/Kg		12/28/2016	12:16
Trichloroethene	**99.2**	ug/Kg	Z	12/28/2016	12:16
Trichlorofluoromethane	< 4.37	ug/Kg		12/28/2016	12:16
Vinyl chloride	< 4.37	ug/Kg		12/28/2016	12:16

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 165522

Client: **C&S Companies**

Project Reference: 100 Dona Street, N.W. # 16-266

Sample Identifier: BH-8
Lab Sample ID: 165522-05 **Date Sampled:** 12/19/2016
Matrix: Soil **Date Received:** 12/22/2016

Surrogate	Percent Recovery	Limits	Outliers	Date Analyzed
1,2-Dichloroethane-d4	**104**	82 - 124		12/28/2016 12:16
4-Bromofluorobenzene	**93.0**	80.5 - 116		12/28/2016 12:16
Pentafluorobenzene	**99.8**	88.7 - 112		12/28/2016 12:16
Toluene-D8	**98.3**	79.1 - 120		12/28/2016 12:16

Method Reference(s): EPA 8260C
EPA 5035A - L
Data File: x38107.D

This sample was not collected following SW846 5035A specifications. Accordingly, any Volatiles soil results that are less than 200 ug/Kg, including Non Detects, may be biased low, per ELAP method 5035 guidance document from 11/15/2012.

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 165522

Client: **C&S Companies**

Project Reference: 100 Dona Street, N.W. # 16-266

Sample Identifier:	BH-7		
Lab Sample ID:	165522-06	**Date Sampled:**	12/19/2016
Matrix:	Soil	**Date Received:**	12/22/2016

Mercury

Analyte	Result	Units	Qualifier	Date Analyzed
Mercury	**0.0727**	mg/Kg		12/27/2016 15:19

Method Reference(s): EPA 7471B
Preparation Date: 12/27/2016
Data File: Hg161227B

FINAL

Report Prepared Friday, December 30, 2016

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 165522

Client: **C&S Companies**

Project Reference: 100 Dona Street, N.W. # 16-266

Sample Identifier: BH-7
Lab Sample ID: 165522-06
Matrix: Soil
Date Sampled: 12/19/2016
Date Received: 12/22/2016

TAL Metals (ICP)

Analyte	Result	Units	Qualifier	Date Analyzed
Aluminum	**6780**	mg/Kg		12/27/2016 17:54
Antimony	< 3.78	mg/Kg		12/27/2016 17:54
Arsenic	**7.67**	mg/Kg		12/27/2016 17:54
Barium	**38.8**	mg/Kg		12/27/2016 17:54
Beryllium	**0.687**	mg/Kg		12/27/2016 17:54
Cadmium	**0.595**	mg/Kg		12/27/2016 17:54
Calcium	**6260**	mg/Kg		12/27/2016 17:54
Chromium	**10.9**	mg/Kg		12/27/2016 17:54
Cobalt	**7.00**	mg/Kg		12/27/2016 17:54
Copper	**28.2**	mg/Kg		12/27/2016 17:54
Iron	**16200**	mg/Kg		12/27/2016 17:54
Lead	**10.8**	mg/Kg		12/27/2016 17:54
Magnesium	**1280**	mg/Kg		12/27/2016 17:54
Manganese	**513**	mg/Kg		12/27/2016 17:54
Nickel	**23.9**	mg/Kg		12/27/2016 17:54
Potassium	**1220**	mg/Kg		12/27/2016 17:54
Selenium	**3.27**	mg/Kg		12/28/2016 14:41
Silver	< 0.631	mg/Kg		12/27/2016 17:54
Sodium	< 158	mg/Kg		12/27/2016 17:54
Thallium	< 1.58	mg/Kg		12/27/2016 17:54
Vanadium	**17.1**	mg/Kg		12/27/2016 17:54
Zinc	**31.9**	mg/Kg		12/27/2016 17:54

Method Reference(s): EPA 6010C
EPA 3050B
Preparation Date: 12/27/2016
Data File: 122716c

Report Prepared Friday, December 30, 2016

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 165522

Client: **C&S Companies**

Project Reference: 100 Dona Street, N.W. # 16-266

Sample Identifier:	BH-7		
Lab Sample ID:	165522-06	**Date Sampled:**	12/19/2016
Matrix:	Soil	**Date Received:**	12/22/2016

PCBs

Analyte	Result	Units	Qualifier	Date Analyzed
PCB-1016	< 0.0375	mg/Kg		12/28/2016 16:00
PCB-1221	< 0.0375	mg/Kg		12/28/2016 16:00
PCB-1232	< 0.0375	mg/Kg		12/28/2016 16:00
PCB-1242	< 0.0375	mg/Kg		12/28/2016 16:00
PCB-1248	< 0.0375	mg/Kg		12/28/2016 16:00
PCB-1254	< 0.0375	mg/Kg		12/28/2016 16:00
PCB-1260	< 0.0375	mg/Kg		12/28/2016 16:00
PCB-1262	< 0.0375	mg/Kg		12/28/2016 16:00
PCB-1268	< 0.0375	mg/Kg		12/28/2016 16:00

Surrogate	Percent Recovery	Limits	Outliers	Date Analyzed
Decachlorobiphenyl	**60.3**	10 - 144		12/28/2016 16:00
Tetrachloro-m-xylene	**21.8**	10 - 140		12/28/2016 16:00

Method Reference(s): EPA 8082A
EPA 3550C

Preparation Date: 12/28/2016

Report Prepared Friday, December 30, 2016

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 165522

Client: **C&S Companies**

Project Reference: 100 Dona Street, N.W. # 16-266

Sample Identifier: BH-7
Lab Sample ID: 165522-06
Matrix: Soil
Date Sampled: 12/19/2016
Date Received: 12/22/2016

Semi-Volatile Organics (Acid/Base Neutrals)

Analyte	Result	Units	Qualifier	Date Analyzed
1,1-Biphenyl	**387**	ug/Kg		12/27/2016 19:50
1,2,4,5-Tetrachlorobenzene	< 371	ug/Kg		12/27/2016 19:50
1,2,4-Trichlorobenzene	< 371	ug/Kg		12/27/2016 19:50
1,2-Dichlorobenzene	< 371	ug/Kg		12/27/2016 19:50
1,3-Dichlorobenzene	< 371	ug/Kg		12/27/2016 19:50
1,4-Dichlorobenzene	< 371	ug/Kg		12/27/2016 19:50
2,2-Oxybis (1-chloropropane)	< 371	ug/Kg		12/27/2016 19:50
2,3,4,6-Tetrachlorophenol	< 371	ug/Kg		12/27/2016 19:50
2,4,5-Trichlorophenol	< 742	ug/Kg		12/27/2016 19:50
2,4,6-Trichlorophenol	< 371	ug/Kg		12/27/2016 19:50
2,4-Dichlorophenol	< 371	ug/Kg		12/27/2016 19:50
2,4-Dimethylphenol	< 371	ug/Kg		12/27/2016 19:50
2,4-Dinitrophenol	< 742	ug/Kg		12/27/2016 19:50
2,4-Dinitrotoluene	< 371	ug/Kg		12/27/2016 19:50
2,6-Dinitrotoluene	< 371	ug/Kg		12/27/2016 19:50
2-Chloronaphthalene	< 371	ug/Kg		12/27/2016 19:50
2-Chlorophenol	< 371	ug/Kg		12/27/2016 19:50
2-Methylnapthalene	< 371	ug/Kg		12/27/2016 19:50
2-Methylphenol	< 371	ug/Kg		12/27/2016 19:50
2-Nitroaniline	< 742	ug/Kg		12/27/2016 19:50
2-Nitrophenol	< 371	ug/Kg		12/27/2016 19:50
3&4-Methylphenol	< 371	ug/Kg		12/27/2016 19:50
3,3'-Dichlorobenzidine	< 371	ug/Kg		12/27/2016 19:50
3-Nitroaniline	< 742	ug/Kg		12/27/2016 19:50
4,6-Dinitro-2-methylphenol	< 742	ug/Kg		12/27/2016 19:50
4-Bromophenyl phenyl ether	< 371	ug/Kg		12/27/2016 19:50
4-Chloro-3-methylphenol	< 371	ug/Kg		12/27/2016 19:50

Report Prepared Friday, December 30, 2016

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 165522

Client: **C&S Companies**

Project Reference: 100 Dona Street, N.W. # 16-266

Sample Identifier: BH-7
Lab Sample ID: 165522-06
Matrix: Soil
Date Sampled: 12/19/2016
Date Received: 12/22/2016

4-Chloroaniline	< 371	ug/Kg		12/27/2016	19:50
4-Chlorophenyl phenyl ether	< 371	ug/Kg		12/27/2016	19:50
4-Nitroaniline	< 742	ug/Kg		12/27/2016	19:50
4-Nitrophenol	< 742	ug/Kg		12/27/2016	19:50
Acenaphthene	**599**	ug/Kg		12/27/2016	19:50
Acenaphthylene	< 371	ug/Kg		12/27/2016	19:50
Acetophenone	< 371	ug/Kg		12/27/2016	19:50
Anthracene	**282**	ug/Kg	J	12/27/2016	19:50
Atrazine	< 371	ug/Kg		12/27/2016	19:50
Benzaldehyde	< 371	ug/Kg		12/27/2016	19:50
Benzo (a) anthracene	< 371	ug/Kg		12/27/2016	19:50
Benzo (a) pyrene	< 371	ug/Kg		12/27/2016	19:50
Benzo (b) fluoranthene	< 371	ug/Kg		12/27/2016	19:50
Benzo (g,h,i) perylene	< 371	ug/Kg		12/27/2016	19:50
Benzo (k) fluoranthene	< 371	ug/Kg		12/27/2016	19:50
Bis (2-chloroethoxy) methane	< 371	ug/Kg		12/27/2016	19:50
Bis (2-chloroethyl) ether	< 371	ug/Kg		12/27/2016	19:50
Bis (2-ethylhexyl) phthalate	< 371	ug/Kg		12/27/2016	19:50
Butylbenzylphthalate	< 371	ug/Kg		12/27/2016	19:50
Caprolactam	< 371	ug/Kg		12/27/2016	19:50
Carbazole	< 371	ug/Kg		12/27/2016	19:50
Chrysene	< 371	ug/Kg		12/27/2016	19:50
Dibenz (a,h) anthracene	< 371	ug/Kg		12/27/2016	19:50
Dibenzofuran	< 371	ug/Kg		12/27/2016	19:50
Diethyl phthalate	< 371	ug/Kg		12/27/2016	19:50
Dimethyl phthalate	< 742	ug/Kg		12/27/2016	19:50
Di-n-butyl phthalate	< 371	ug/Kg		12/27/2016	19:50
Di-n-octylphthalate	< 371	ug/Kg		12/27/2016	19:50
Fluoranthene	< 371	ug/Kg		12/27/2016	19:50
Fluorene	**1240**	ug/Kg		12/27/2016	19:50

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 165522

Client: **C&S Companies**

Project Reference: 100 Dona Street, N.W. # 16-266

Sample Identifier: BH-7
Lab Sample ID: 165522-06
Matrix: Soil
Date Sampled: 12/19/2016
Date Received: 12/22/2016

Hexachlorobenzene	< 371	ug/Kg		12/27/2016	19:50
Hexachlorobutadiene	< 371	ug/Kg		12/27/2016	19:50
Hexachlorocyclopentadiene	< 371	ug/Kg		12/27/2016	19:50
Hexachloroethane	< 371	ug/Kg		12/27/2016	19:50
Indeno (1,2,3-cd) pyrene	< 371	ug/Kg		12/27/2016	19:50
Isophorone	< 371	ug/Kg		12/27/2016	19:50
Naphthalene	< 371	ug/Kg		12/27/2016	19:50
Nitrobenzene	< 371	ug/Kg		12/27/2016	19:50
N-Nitroso-di-n-propylamine	< 371	ug/Kg		12/27/2016	19:50
N-Nitrosodiphenylamine	< 371	ug/Kg		12/27/2016	19:50
Pentachlorophenol	< 742	ug/Kg		12/27/2016	19:50
Phenanthrene	**3230**	ug/Kg		12/27/2016	19:50
Phenol	< 371	ug/Kg		12/27/2016	19:50
Pyrene	< 371	ug/Kg		12/27/2016	19:50

Surrogate	Percent Recovery	Limits	Outliers	Date Analyzed	
2,4,6-Tribromophenol	**69.0**	38 - 114		12/27/2016	19:50
2-Fluorobiphenyl	**61.8**	25 - 105		12/27/2016	19:50
2-Fluorophenol	**51.1**	30.8 - 84		12/27/2016	19:50
Nitrobenzene-d5	**52.3**	28.5 - 84.9		12/27/2016	19:50
Phenol-d5	**55.0**	32.5 - 89.6		12/27/2016	19:50
Terphenyl-d14	**69.9**	55.5 - 117		12/27/2016	19:50

Method Reference(s): EPA 8270D
EPA 3550C
Preparation Date: 12/27/2016
Data File: B16236.D

Report Prepared Friday, December 30, 2016

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 165522

Client: **C&S Companies**

Project Reference: 100 Dona Street, N.W. # 16-266

Sample Identifier:	BH-7		
Lab Sample ID:	165522-06	**Date Sampled:**	12/19/2016
Matrix:	Soil	**Date Received:**	12/22/2016

Volatile Organics

Analyte	Result	Units	Qualifier	Date Analyzed
1,1,1-Trichloroethane	< 10.9	ug/Kg		12/28/2016 13:29
1,1,2,2-Tetrachloroethane	< 10.9	ug/Kg		12/28/2016 13:29
1,1,2-Trichloroethane	< 10.9	ug/Kg		12/28/2016 13:29
1,1-Dichloroethane	< 10.9	ug/Kg		12/28/2016 13:29
1,1-Dichloroethene	< 10.9	ug/Kg		12/28/2016 13:29
1,2,3-Trichlorobenzene	< 27.4	ug/Kg		12/28/2016 13:29
1,2,4-Trichlorobenzene	< 27.4	ug/Kg		12/28/2016 13:29
1,2-Dibromo-3-Chloropropane	< 54.7	ug/Kg		12/28/2016 13:29
1,2-Dibromoethane	< 10.9	ug/Kg		12/28/2016 13:29
1,2-Dichlorobenzene	< 10.9	ug/Kg		12/28/2016 13:29
1,2-Dichloroethane	< 10.9	ug/Kg		12/28/2016 13:29
1,2-Dichloropropane	< 10.9	ug/Kg		12/28/2016 13:29
1,3-Dichlorobenzene	< 10.9	ug/Kg		12/28/2016 13:29
1,4-Dichlorobenzene	< 10.9	ug/Kg		12/28/2016 13:29
1,4-dioxane	< 109	ug/Kg		12/28/2016 13:29
2-Butanone	**43.5**	ug/Kg	J	12/28/2016 13:29
2-Hexanone	< 27.4	ug/Kg		12/28/2016 13:29
4-Methyl-2-pentanone	< 27.4	ug/Kg		12/28/2016 13:29
Acetone	**242**	ug/Kg		12/28/2016 13:29
Benzene	< 10.9	ug/Kg		12/28/2016 13:29
Bromochloromethane	< 27.4	ug/Kg		12/28/2016 13:29
Bromodichloromethane	< 10.9	ug/Kg		12/28/2016 13:29
Bromoform	< 27.4	ug/Kg		12/28/2016 13:29
Bromomethane	< 10.9	ug/Kg		12/28/2016 13:29
Carbon disulfide	< 10.9	ug/Kg		12/28/2016 13:29
Carbon Tetrachloride	< 10.9	ug/Kg		12/28/2016 13:29
Chlorobenzene	< 10.9	ug/Kg		12/28/2016 13:29

Report Prepared Friday, December 30, 2016

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 165522

Client: **C&S Companies**

Project Reference: 100 Dona Street, N.W. # 16-266

Sample Identifier: BH-7
Lab Sample ID: 165522-06
Matrix: Soil
Date Sampled: 12/19/2016
Date Received: 12/22/2016

Chloroethane	< 10.9	ug/Kg		12/28/2016	13:29
Chloroform	< 10.9	ug/Kg		12/28/2016	13:29
Chloromethane	< 10.9	ug/Kg		12/28/2016	13:29
cis-1,2-Dichloroethene	< 10.9	ug/Kg		12/28/2016	13:29
cis-1,3-Dichloropropene	< 10.9	ug/Kg		12/28/2016	13:29
Cyclohexane	< 54.7	ug/Kg		12/28/2016	13:29
Dibromochloromethane	< 10.9	ug/Kg		12/28/2016	13:29
Dichlorodifluoromethane	< 10.9	ug/Kg		12/28/2016	13:29
Ethylbenzene	< 10.9	ug/Kg		12/28/2016	13:29
Freon 113	< 10.9	ug/Kg		12/28/2016	13:29
Isopropylbenzene	**14.8**	ug/Kg		12/28/2016	13:29
m,p-Xylene	< 10.9	ug/Kg		12/28/2016	13:29
Methyl acetate	< 10.9	ug/Kg		12/28/2016	13:29
Methyl tert-butyl Ether	< 10.9	ug/Kg		12/28/2016	13:29
Methylcyclohexane	< 10.9	ug/Kg		12/28/2016	13:29
Methylene chloride	< 27.4	ug/Kg		12/28/2016	13:29
o-Xylene	< 10.9	ug/Kg		12/28/2016	13:29
Styrene	< 27.4	ug/Kg		12/28/2016	13:29
Tetrachloroethene	< 10.9	ug/Kg		12/28/2016	13:29
Toluene	**10.9**	ug/Kg	J	12/28/2016	13:29
trans-1,2-Dichloroethene	< 10.9	ug/Kg		12/28/2016	13:29
trans-1,3-Dichloropropene	< 10.9	ug/Kg		12/28/2016	13:29
Trichloroethene	**315**	ug/Kg	Z	12/28/2016	13:29
Trichlorofluoromethane	< 10.9	ug/Kg		12/28/2016	13:29
Vinyl chloride	< 10.9	ug/Kg		12/28/2016	13:29

Report Prepared Friday, December 30, 2016

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 165522

Client: **C&S Companies**

Project Reference: 100 Dona Street, N.W. # 16-266

Sample Identifier: BH-7

Lab Sample ID: 165522-06 **Date Sampled:** 12/19/2016

Matrix: Soil **Date Received:** 12/22/2016

Surrogate	Percent Recovery	Limits	Outliers	Date Analyzed
1,2-Dichloroethane-d4	**103**	82 - 124		12/28/2016 13:29
4-Bromofluorobenzene	**75.5**	80.5 - 116	*	12/28/2016 13:29
Pentafluorobenzene	**101**	88.7 - 112		12/28/2016 13:29
Toluene-D8	**103**	79.1 - 120		12/28/2016 13:29

Method Reference(s): EPA 8260C
EPA 5035A - L

Data File: x38110.D

This sample was not collected following SW846 5035A specifications. Accordingly, any Volatiles soil results that are less than 200 ug/Kg, including Non Detects, may be biased low, per ELAP method 5035 guidance document from 11/15/2012.

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 165522

Client: **C&S Companies**

Project Reference: 100 Dona Street, N.W. # 16-266

Sample Identifier:	BH-11		
Lab Sample ID:	165522-07	**Date Sampled:**	12/19/2016
Matrix:	Soil	**Date Received:**	12/22/2016

Mercury

Analyte	Result	Units	Qualifier	Date Analyzed
Mercury	**0.0618**	mg/Kg		12/27/2016 15:23

Method Reference(s): EPA 7471B
Preparation Date: 12/27/2016
Data File: Hg161227B

FINAL

This report is part of a multipage document and should only be evaluated in its entirety. The Chain of Custody provides additional sample information, including compliance with the sample condition requirements upon receipt.

Report Prepared Friday, December 30, 2016

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 165522

Client: **C&S Companies**

Project Reference: 100 Dona Street, N.W. # 16-266

Sample Identifier: BH-11
Lab Sample ID: 165522-07
Matrix: Soil
Date Sampled: 12/19/2016
Date Received: 12/22/2016

TAL Metals (ICP)

Analyte	Result	Units	Qualifier	Date Analyzed
Aluminum	**7620**	mg/Kg		12/27/2016 17:59
Antimony	< 3.39	mg/Kg		12/27/2016 17:59
Arsenic	**8.07**	mg/Kg		12/27/2016 17:59
Barium	**43.4**	mg/Kg		12/27/2016 17:59
Beryllium	**0.420**	mg/Kg		12/27/2016 17:59
Cadmium	**0.322**	mg/Kg		12/27/2016 17:59
Calcium	**22800**	mg/Kg		12/27/2016 17:59
Chromium	**12.3**	mg/Kg		12/27/2016 17:59
Cobalt	**7.35**	mg/Kg		12/27/2016 17:59
Copper	**17.7**	mg/Kg		12/27/2016 17:59
Iron	**16200**	mg/Kg		12/27/2016 17:59
Lead	**21.9**	mg/Kg		12/27/2016 17:59
Magnesium	**1830**	mg/Kg		12/27/2016 17:59
Manganese	**276**	mg/Kg		12/27/2016 17:59
Nickel	**17.1**	mg/Kg		12/27/2016 17:59
Potassium	**842**	mg/Kg		12/27/2016 17:59
Selenium	**3.06**	mg/Kg		12/28/2016 14:45
Silver	< 0.564	mg/Kg		12/27/2016 17:59
Sodium	**108**	mg/Kg	J	12/27/2016 17:59
Thallium	< 1.41	mg/Kg		12/27/2016 17:59
Vanadium	**17.5**	mg/Kg		12/27/2016 17:59
Zinc	**52.4**	mg/Kg		12/27/2016 17:59

Method Reference(s): EPA 6010C
EPA 3050B
Preparation Date: 12/27/2016
Data File: 122716c

Report Prepared Friday, December 30, 2016

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 165522

Client: **C&S Companies**

Project Reference: 100 Dona Street, N.W. # 16-266

Sample Identifier:	BH-11		
Lab Sample ID:	165522-07	**Date Sampled:**	12/19/2016
Matrix:	Soil	**Date Received:**	12/22/2016

PCBs

Analyte	Result	Units	Qualifier	Date Analyzed
PCB-1016	< 0.0327	mg/Kg		12/28/2016 16:23
PCB-1221	< 0.0327	mg/Kg		12/28/2016 16:23
PCB-1232	< 0.0327	mg/Kg		12/28/2016 16:23
PCB-1242	< 0.0327	mg/Kg		12/28/2016 16:23
PCB-1248	< 0.0327	mg/Kg		12/28/2016 16:23
PCB-1254	< 0.0327	mg/Kg		12/28/2016 16:23
PCB-1260	< 0.0327	mg/Kg		12/28/2016 16:23
PCB-1262	< 0.0327	mg/Kg		12/28/2016 16:23
PCB-1268	< 0.0327	mg/Kg		12/28/2016 16:23

Surrogate	Percent Recovery	Limits	Outliers	Date Analyzed
Decachlorobiphenyl	**59.6**	10 - 144		12/28/2016 16:23
Tetrachloro-m-xylene	**69.6**	10 - 140		12/28/2016 16:23

Method Reference(s): EPA 8082A
EPA 3550C

Preparation Date: 12/28/2016

Report Prepared Friday, December 30, 2016

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 165522

Client: **C&S Companies**

Project Reference: 100 Dona Street, N.W. # 16-266

Sample Identifier:	BH-11		
Lab Sample ID:	165522-07	**Date Sampled:**	12/19/2016
Matrix:	Soil	**Date Received:**	12/22/2016

Semi-Volatile Organics (Acid/Base Neutrals)

Analyte	Result	Units	Qualifier	Date Analyzed
1,1-Biphenyl	**234**	ug/Kg	J	12/27/2016 20:19
1,2,4,5-Tetrachlorobenzene	< 328	ug/Kg		12/27/2016 20:19
1,2,4-Trichlorobenzene	< 328	ug/Kg		12/27/2016 20:19
1,2-Dichlorobenzene	< 328	ug/Kg		12/27/2016 20:19
1,3-Dichlorobenzene	< 328	ug/Kg		12/27/2016 20:19
1,4-Dichlorobenzene	< 328	ug/Kg		12/27/2016 20:19
2,2-Oxybis (1-chloropropane)	< 328	ug/Kg		12/27/2016 20:19
2,3,4,6-Tetrachlorophenol	< 328	ug/Kg		12/27/2016 20:19
2,4,5-Trichlorophenol	< 657	ug/Kg		12/27/2016 20:19
2,4,6-Trichlorophenol	< 328	ug/Kg		12/27/2016 20:19
2,4-Dichlorophenol	< 328	ug/Kg		12/27/2016 20:19
2,4-Dimethylphenol	< 328	ug/Kg		12/27/2016 20:19
2,4-Dinitrophenol	< 657	ug/Kg		12/27/2016 20:19
2,4-Dinitrotoluene	< 328	ug/Kg		12/27/2016 20:19
2,6-Dinitrotoluene	< 328	ug/Kg		12/27/2016 20:19
2-Chloronaphthalene	< 328	ug/Kg		12/27/2016 20:19
2-Chlorophenol	< 328	ug/Kg		12/27/2016 20:19
2-Methylnapthalene	**1200**	ug/Kg		12/27/2016 20:19
2-Methylphenol	< 328	ug/Kg		12/27/2016 20:19
2-Nitroaniline	< 657	ug/Kg		12/27/2016 20:19
2-Nitrophenol	< 328	ug/Kg		12/27/2016 20:19
3&4-Methylphenol	< 328	ug/Kg		12/27/2016 20:19
3,3'-Dichlorobenzidine	< 328	ug/Kg		12/27/2016 20:19
3-Nitroaniline	< 657	ug/Kg		12/27/2016 20:19
4,6-Dinitro-2-methylphenol	< 657	ug/Kg		12/27/2016 20:19
4-Bromophenyl phenyl ether	< 328	ug/Kg		12/27/2016 20:19
4-Chloro-3-methylphenol	< 328	ug/Kg		12/27/2016 20:19

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 165522

Client: **C&S Companies**

Project Reference: 100 Dona Street, N.W. # 16-266

Sample Identifier: BH-11
Lab Sample ID: 165522-07
Matrix: Soil
Date Sampled: 12/19/2016
Date Received: 12/22/2016

4-Chloroaniline	< 328	ug/Kg		12/27/2016	20:19
4-Chlorophenyl phenyl ether	< 328	ug/Kg		12/27/2016	20:19
4-Nitroaniline	< 657	ug/Kg		12/27/2016	20:19
4-Nitrophenol	< 657	ug/Kg		12/27/2016	20:19
Acenaphthene	< 328	ug/Kg		12/27/2016	20:19
Acenaphthylene	**2090**	ug/Kg		12/27/2016	20:19
Acetophenone	< 328	ug/Kg		12/27/2016	20:19
Anthracene	**1600**	ug/Kg		12/27/2016	20:19
Atrazine	< 328	ug/Kg		12/27/2016	20:19
Benzaldehyde	< 328	ug/Kg		12/27/2016	20:19
Benzo (a) anthracene	**1540**	ug/Kg		12/27/2016	20:19
Benzo (a) pyrene	**815**	ug/Kg		12/27/2016	20:19
Benzo (b) fluoranthene	**699**	ug/Kg		12/27/2016	20:19
Benzo (g,h,i) perylene	**433**	ug/Kg		12/27/2016	20:19
Benzo (k) fluoranthene	**907**	ug/Kg		12/27/2016	20:19
Bis (2-chloroethoxy) methane	< 328	ug/Kg		12/27/2016	20:19
Bis (2-chloroethyl) ether	< 328	ug/Kg		12/27/2016	20:19
Bis (2-ethylhexyl) phthalate	< 328	ug/Kg		12/27/2016	20:19
Butylbenzylphthalate	< 328	ug/Kg		12/27/2016	20:19
Caprolactam	< 328	ug/Kg		12/27/2016	20:19
Carbazole	**499**	ug/Kg		12/27/2016	20:19
Chrysene	**1080**	ug/Kg		12/27/2016	20:19
Dibenz (a,h) anthracene	**273**	ug/Kg	J	12/27/2016	20:19
Dibenzofuran	**952**	ug/Kg		12/27/2016	20:19
Diethyl phthalate	< 328	ug/Kg		12/27/2016	20:19
Dimethyl phthalate	< 657	ug/Kg		12/27/2016	20:19
Di-n-butyl phthalate	< 328	ug/Kg		12/27/2016	20:19
Di-n-octylphthalate	< 328	ug/Kg		12/27/2016	20:19
Fluoranthene	**3790**	ug/Kg		12/27/2016	20:19
Fluorene	**1820**	ug/Kg		12/27/2016	20:19

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 165522

Client: **C&S Companies**

Project Reference: 100 Dona Street, N.W. # 16-266

Sample Identifier: BH-11
Lab Sample ID: 165522-07
Matrix: Soil
Date Sampled: 12/19/2016
Date Received: 12/22/2016

Hexachlorobenzene	< 328	ug/Kg		12/27/2016 20:19
Hexachlorobutadiene	< 328	ug/Kg		12/27/2016 20:19
Hexachlorocyclopentadiene	< 328	ug/Kg		12/27/2016 20:19
Hexachloroethane	< 328	ug/Kg		12/27/2016 20:19
Indeno (1,2,3-cd) pyrene	**383**	ug/Kg		12/27/2016 20:19
Isophorone	< 328	ug/Kg		12/27/2016 20:19
Naphthalene	**1330**	ug/Kg		12/27/2016 20:19
Nitrobenzene	< 328	ug/Kg		12/27/2016 20:19
N-Nitroso-di-n-propylamine	< 328	ug/Kg		12/27/2016 20:19
N-Nitrosodiphenylamine	< 328	ug/Kg		12/27/2016 20:19
Pentachlorophenol	< 657	ug/Kg		12/27/2016 20:19
Phenanthrene	**5260**	ug/Kg		12/27/2016 20:19
Phenol	< 328	ug/Kg		12/27/2016 20:19
Pyrene	**2360**	ug/Kg		12/27/2016 20:19

Surrogate	Percent Recovery	Limits	Outliers	Date Analyzed
2,4,6-Tribromophenol	**69.5**	38 - 114		12/27/2016 20:19
2-Fluorobiphenyl	**63.3**	25 - 105		12/27/2016 20:19
2-Fluorophenol	**47.2**	30.8 - 84		12/27/2016 20:19
Nitrobenzene-d5	**53.8**	28.5 - 84.9		12/27/2016 20:19
Phenol-d5	**53.6**	32.5 - 89.6		12/27/2016 20:19
Terphenyl-d14	**79.6**	55.5 - 117		12/27/2016 20:19

Method Reference(s): EPA 8270D
EPA 3550C
Preparation Date: 12/27/2016
Data File: B16237.D

Report Prepared Friday, December 30, 2016

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 165522

Client: **C&S Companies**

Project Reference: 100 Dona Street, N.W. # 16-266

Sample Identifier: BH-11
Lab Sample ID: 165522-07
Matrix: Soil
Date Sampled: 12/19/2016
Date Received: 12/22/2016

Volatile Organics

Analyte	Result	Units	Qualifier	Date Analyzed
1,1,1-Trichloroethane	< 15.9	ug/Kg		12/28/2016 15:04
1,1,2,2-Tetrachloroethane	< 15.9	ug/Kg		12/28/2016 15:04
1,1,2-Trichloroethane	< 15.9	ug/Kg		12/28/2016 15:04
1,1-Dichloroethane	< 15.9	ug/Kg		12/28/2016 15:04
1,1-Dichloroethene	< 15.9	ug/Kg		12/28/2016 15:04
1,2,3-Trichlorobenzene	< 39.8	ug/Kg		12/28/2016 15:04
1,2,4-Trichlorobenzene	< 39.8	ug/Kg		12/28/2016 15:04
1,2-Dibromo-3-Chloropropane	< 79.5	ug/Kg		12/28/2016 15:04
1,2-Dibromoethane	< 15.9	ug/Kg		12/28/2016 15:04
1,2-Dichlorobenzene	< 15.9	ug/Kg		12/28/2016 15:04
1,2-Dichloroethane	< 15.9	ug/Kg		12/28/2016 15:04
1,2-Dichloropropane	< 15.9	ug/Kg		12/28/2016 15:04
1,3-Dichlorobenzene	< 15.9	ug/Kg		12/28/2016 15:04
1,4-Dichlorobenzene	< 15.9	ug/Kg		12/28/2016 15:04
1,4-dioxane	< 159	ug/Kg		12/28/2016 15:04
2-Butanone	< 79.5	ug/Kg		12/28/2016 15:04
2-Hexanone	< 39.8	ug/Kg		12/28/2016 15:04
4-Methyl-2-pentanone	< 39.8	ug/Kg		12/28/2016 15:04
Acetone	< 79.5	ug/Kg		12/28/2016 15:04
Benzene	< 15.9	ug/Kg		12/28/2016 15:04
Bromochloromethane	< 39.8	ug/Kg		12/28/2016 15:04
Bromodichloromethane	< 15.9	ug/Kg		12/28/2016 15:04
Bromoform	< 39.8	ug/Kg		12/28/2016 15:04
Bromomethane	< 15.9	ug/Kg		12/28/2016 15:04
Carbon disulfide	< 15.9	ug/Kg		12/28/2016 15:04
Carbon Tetrachloride	< 15.9	ug/Kg		12/28/2016 15:04
Chlorobenzene	< 15.9	ug/Kg		12/28/2016 15:04

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 165522

Client: **C&S Companies**

Project Reference: 100 Dona Street, N.W. # 16-266

Sample Identifier: BH-11
Lab Sample ID: 165522-07
Matrix: Soil
Date Sampled: 12/19/2016
Date Received: 12/22/2016

Chloroethane	< 15.9	ug/Kg		12/28/2016	15:04
Chloroform	< 15.9	ug/Kg		12/28/2016	15:04
Chloromethane	< 15.9	ug/Kg		12/28/2016	15:04
cis-1,2-Dichloroethene	< 15.9	ug/Kg		12/28/2016	15:04
cis-1,3-Dichloropropene	< 15.9	ug/Kg		12/28/2016	15:04
Cyclohexane	< 79.5	ug/Kg		12/28/2016	15:04
Dibromochloromethane	< 15.9	ug/Kg		12/28/2016	15:04
Dichlorodifluoromethane	< 15.9	ug/Kg		12/28/2016	15:04
Ethylbenzene	< 15.9	ug/Kg		12/28/2016	15:04
Freon 113	< 15.9	ug/Kg		12/28/2016	15:04
Isopropylbenzene	< 15.9	ug/Kg		12/28/2016	15:04
m,p-Xylene	< 15.9	ug/Kg		12/28/2016	15:04
Methyl acetate	< 15.9	ug/Kg		12/28/2016	15:04
Methyl tert-butyl Ether	< 15.9	ug/Kg		12/28/2016	15:04
Methylcyclohexane	< 15.9	ug/Kg		12/28/2016	15:04
Methylene chloride	< 39.8	ug/Kg		12/28/2016	15:04
o-Xylene	< 15.9	ug/Kg		12/28/2016	15:04
Styrene	< 39.8	ug/Kg		12/28/2016	15:04
Tetrachloroethene	< 15.9	ug/Kg		12/28/2016	15:04
Toluene	**17.4**	ug/Kg		12/28/2016	15:04
trans-1,2-Dichloroethene	< 15.9	ug/Kg		12/28/2016	15:04
trans-1,3-Dichloropropene	< 15.9	ug/Kg		12/28/2016	15:04
Trichloroethene	**434**	ug/Kg	Z	12/28/2016	15:04
Trichlorofluoromethane	< 15.9	ug/Kg		12/28/2016	15:04
Vinyl chloride	< 15.9	ug/Kg		12/28/2016	15:04

Report Prepared Friday, December 30, 2016

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 165522

Client: **C&S Companies**

Project Reference: 100 Dona Street, N.W. # 16-266

Sample Identifier: BH-11
Lab Sample ID: 165522-07 **Date Sampled:** 12/19/2016
Matrix: Soil **Date Received:** 12/22/2016

Surrogate	Percent Recovery	Limits	Outliers	Date Analyzed	
1,2-Dichloroethane-d4	**105**	82 - 124		12/28/2016	15:04
4-Bromofluorobenzene	**92.4**	80.5 - 116		12/28/2016	15:04
Pentafluorobenzene	**105**	88.7 - 112		12/28/2016	15:04
Toluene-D8	**99.5**	79.1 - 120		12/28/2016	15:04

Method Reference(s): EPA 8260C
EPA 5035A - L
Data File: x38114.D

This sample was not collected following SW846 5035A specifications. Accordingly, any Volatiles soil results that are less than 200 ug/Kg, including Non Detects, may be biased low, per ELAP method 5035 guidance document from 11/15/2012.

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 165522

Client: **C&S Companies**

Project Reference: 100 Dona Street, N.W. # 16-266

Sample Identifier:	BH-6		
Lab Sample ID:	165522-08	**Date Sampled:**	12/19/2016
Matrix:	Soil	**Date Received:**	12/22/2016

Metals

Analyte	Result	Units	Qualifier	Date Analyzed
Arsenic	**2.46**	mg/Kg		12/27/2016 18:03
Barium	**15.2**	mg/Kg		12/28/2016 14:49
Beryllium	**0.161**	mg/Kg	J	12/27/2016 18:03
Cadmium	**0.178**	mg/Kg	J	12/27/2016 18:03
Chromium	**4.87**	mg/Kg		12/27/2016 18:03
Copper	**9.60**	mg/Kg		12/27/2016 18:03
Lead	**4.99**	mg/Kg		12/27/2016 18:03
Manganese	**126**	mg/Kg		12/27/2016 18:03
Nickel	**7.05**	mg/Kg		12/27/2016 18:03
Selenium	**1.08**	mg/Kg		12/28/2016 14:49
Silver	< 0.595	mg/Kg		12/27/2016 18:03
Zinc	**21.7**	mg/Kg		12/27/2016 18:03

Method Reference(s): EPA 6010C
EPA 3050B
Preparation Date: 12/27/2016
Data File: 122716c

Report Prepared Friday, December 30, 2016

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 165522

Client: **C&S Companies**

Project Reference: 100 Dona Street, N.W. # 16-266

Sample Identifier:	BH-6		
Lab Sample ID:	165522-08	**Date Sampled:**	12/19/2016
Matrix:	Soil	**Date Received:**	12/22/2016

Mercury

Analyte	Result	Units	Qualifier	Date Analyzed
Mercury	**0.00800**	mg/Kg	J	12/27/2016 15:26

Method Reference(s): EPA 7471B
Preparation Date: 12/27/2016
Data File: Hg161227B

Report Prepared Friday, December 30, 2016

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 165522

Client: **C&S Companies**

Project Reference: 100 Dona Street, N.W. # 16-266

Sample Identifier:	BH-6		
Lab Sample ID:	165522-08	**Date Sampled:**	12/19/2016
Matrix:	Soil	**Date Received:**	12/22/2016

PCBs

Analyte	Result	Units	Qualifier	Date Analyzed
PCB-1016	< 0.0346	mg/Kg		12/28/2016 14:49
PCB-1221	< 0.0346	mg/Kg		12/28/2016 14:49
PCB-1232	< 0.0346	mg/Kg		12/28/2016 14:49
PCB-1242	< 0.0346	mg/Kg		12/28/2016 14:49
PCB-1248	< 0.0346	mg/Kg		12/28/2016 14:49
PCB-1254	< 0.0346	mg/Kg		12/28/2016 14:49
PCB-1260	< 0.0346	mg/Kg		12/28/2016 14:49
PCB-1262	< 0.0346	mg/Kg		12/28/2016 14:49
PCB-1268	< 0.0346	mg/Kg		12/28/2016 14:49

Surrogate	Percent Recovery	Limits	Outliers	Date Analyzed
Decachlorobiphenyl	**44.7**	10 - 144		12/28/2016 14:49
Tetrachloro-m-xylene	**19.0**	10 - 140		12/28/2016 14:49

Method Reference(s): EPA 8082A
EPA 3550C

Preparation Date: 12/28/2016

Report Prepared Friday, December 30, 2016

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 165522

Client: **C&S Companies**

Project Reference: 100 Dona Street, N.W. # 16-266

Sample Identifier: BH-6
Lab Sample ID: 165522-08
Matrix: Soil
Date Sampled: 12/19/2016
Date Received: 12/22/2016

Semi-Volatile Organics (Acid/Base Neutrals)

Analyte	Result	Units	Qualifier	Date Analyzed
1,1-Biphenyl	< 346	ug/Kg		12/27/2016 20:48
1,2,4,5-Tetrachlorobenzene	< 346	ug/Kg		12/27/2016 20:48
1,2,4-Trichlorobenzene	< 346	ug/Kg		12/27/2016 20:48
1,2-Dichlorobenzene	< 346	ug/Kg		12/27/2016 20:48
1,3-Dichlorobenzene	< 346	ug/Kg		12/27/2016 20:48
1,4-Dichlorobenzene	< 346	ug/Kg		12/27/2016 20:48
2,2-Oxybis (1-chloropropane)	< 346	ug/Kg		12/27/2016 20:48
2,3,4,6-Tetrachlorophenol	< 346	ug/Kg		12/27/2016 20:48
2,4,5-Trichlorophenol	< 691	ug/Kg		12/27/2016 20:48
2,4,6-Trichlorophenol	< 346	ug/Kg		12/27/2016 20:48
2,4-Dichlorophenol	< 346	ug/Kg		12/27/2016 20:48
2,4-Dimethylphenol	< 346	ug/Kg		12/27/2016 20:48
2,4-Dinitrophenol	< 691	ug/Kg		12/27/2016 20:48
2,4-Dinitrotoluene	< 346	ug/Kg		12/27/2016 20:48
2,6-Dinitrotoluene	< 346	ug/Kg		12/27/2016 20:48
2-Chloronaphthalene	< 346	ug/Kg		12/27/2016 20:48
2-Chlorophenol	< 346	ug/Kg		12/27/2016 20:48
2-Methylnapthalene	< 346	ug/Kg		12/27/2016 20:48
2-Methylphenol	< 346	ug/Kg		12/27/2016 20:48
2-Nitroaniline	< 691	ug/Kg		12/27/2016 20:48
2-Nitrophenol	< 346	ug/Kg		12/27/2016 20:48
3&4-Methylphenol	< 346	ug/Kg		12/27/2016 20:48
3,3'-Dichlorobenzidine	< 346	ug/Kg		12/27/2016 20:48
3-Nitroaniline	< 691	ug/Kg		12/27/2016 20:48
4,6-Dinitro-2-methylphenol	< 691	ug/Kg		12/27/2016 20:48
4-Bromophenyl phenyl ether	< 346	ug/Kg		12/27/2016 20:48
4-Chloro-3-methylphenol	< 346	ug/Kg		12/27/2016 20:48

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 165522

Client: **C&S Companies**

Project Reference: 100 Dona Street, N.W. # 16-266

Sample Identifier: BH-6
Lab Sample ID: 165522-08
Matrix: Soil
Date Sampled: 12/19/2016
Date Received: 12/22/2016

4-Chloroaniline	< 346	ug/Kg	12/27/2016	20:48
4-Chlorophenyl phenyl ether	< 346	ug/Kg	12/27/2016	20:48
4-Nitroaniline	< 691	ug/Kg	12/27/2016	20:48
4-Nitrophenol	< 691	ug/Kg	12/27/2016	20:48
Acenaphthene	< 346	ug/Kg	12/27/2016	20:48
Acenaphthylene	< 346	ug/Kg	12/27/2016	20:48
Acetophenone	< 346	ug/Kg	12/27/2016	20:48
Anthracene	< 346	ug/Kg	12/27/2016	20:48
Atrazine	< 346	ug/Kg	12/27/2016	20:48
Benzaldehyde	< 346	ug/Kg	12/27/2016	20:48
Benzo (a) anthracene	< 346	ug/Kg	12/27/2016	20:48
Benzo (a) pyrene	< 346	ug/Kg	12/27/2016	20:48
Benzo (b) fluoranthene	< 346	ug/Kg	12/27/2016	20:48
Benzo (g,h,i) perylene	< 346	ug/Kg	12/27/2016	20:48
Benzo (k) fluoranthene	< 346	ug/Kg	12/27/2016	20:48
Bis (2-chloroethoxy) methane	< 346	ug/Kg	12/27/2016	20:48
Bis (2-chloroethyl) ether	< 346	ug/Kg	12/27/2016	20:48
Bis (2-ethylhexyl) phthalate	< 346	ug/Kg	12/27/2016	20:48
Butylbenzylphthalate	< 346	ug/Kg	12/27/2016	20:48
Caprolactam	< 346	ug/Kg	12/27/2016	20:48
Carbazole	< 346	ug/Kg	12/27/2016	20:48
Chrysene	< 346	ug/Kg	12/27/2016	20:48
Dibenz (a,h) anthracene	< 346	ug/Kg	12/27/2016	20:48
Dibenzofuran	< 346	ug/Kg	12/27/2016	20:48
Diethyl phthalate	< 346	ug/Kg	12/27/2016	20:48
Dimethyl phthalate	< 691	ug/Kg	12/27/2016	20:48
Di-n-butyl phthalate	< 346	ug/Kg	12/27/2016	20:48
Di-n-octylphthalate	< 346	ug/Kg	12/27/2016	20:48
Fluoranthene	< 346	ug/Kg	12/27/2016	20:48
Fluorene	< 346	ug/Kg	12/27/2016	20:48

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 165522

Client: **C&S Companies**

Project Reference: 100 Dona Street, N.W. # 16-266

Sample Identifier: BH-6
Lab Sample ID: 165522-08
Matrix: Soil
Date Sampled: 12/19/2016
Date Received: 12/22/2016

Hexachlorobenzene	< 346	ug/Kg		12/27/2016	20:48
Hexachlorobutadiene	< 346	ug/Kg		12/27/2016	20:48
Hexachlorocyclopentadiene	< 346	ug/Kg		12/27/2016	20:48
Hexachloroethane	< 346	ug/Kg		12/27/2016	20:48
Indeno (1,2,3-cd) pyrene	< 346	ug/Kg		12/27/2016	20:48
Isophorone	< 346	ug/Kg		12/27/2016	20:48
Naphthalene	< 346	ug/Kg		12/27/2016	20:48
Nitrobenzene	< 346	ug/Kg		12/27/2016	20:48
N-Nitroso-di-n-propylamine	< 346	ug/Kg		12/27/2016	20:48
N-Nitrosodiphenylamine	< 346	ug/Kg		12/27/2016	20:48
Pentachlorophenol	< 691	ug/Kg		12/27/2016	20:48
Phenanthrene	< 346	ug/Kg		12/27/2016	20:48
Phenol	< 346	ug/Kg		12/27/2016	20:48
Pyrene	< 346	ug/Kg		12/27/2016	20:48

Surrogate	Percent Recovery	Limits	Outliers	Date Analyzed	
2,4,6-Tribromophenol	**69.4**	38 - 114		12/27/2016	20:48
2-Fluorobiphenyl	**56.2**	25 - 105		12/27/2016	20:48
2-Fluorophenol	**48.8**	30.8 - 84		12/27/2016	20:48
Nitrobenzene-d5	**50.6**	28.5 - 84.9		12/27/2016	20:48
Phenol-d5	**52.8**	32.5 - 89.6		12/27/2016	20:48
Terphenyl-d14	**73.4**	55.5 - 117		12/27/2016	20:48

Method Reference(s): EPA 8270D
EPA 3550C
Preparation Date: 12/27/2016
Data File: B16238.D

Report Prepared Friday, December 30, 2016

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 165522

Client: **C&S Companies**

Project Reference: 100 Dona Street, N.W. # 16-266

Sample Identifier: BH-6
Lab Sample ID: 165522-08
Matrix: Soil
Date Sampled: 12/19/2016
Date Received: 12/22/2016

Volatile Organics

Analyte	Result	Units	Qualifier	Date Analyzed
1,1,1-Trichloroethane	< 4.85	ug/Kg		12/28/2016 13:05
1,1,2,2-Tetrachloroethane	< 4.85	ug/Kg		12/28/2016 13:05
1,1,2-Trichloroethane	< 4.85	ug/Kg		12/28/2016 13:05
1,1-Dichloroethane	< 4.85	ug/Kg		12/28/2016 13:05
1,1-Dichloroethene	< 4.85	ug/Kg		12/28/2016 13:05
1,2,3-Trichlorobenzene	< 12.1	ug/Kg		12/28/2016 13:05
1,2,4-Trichlorobenzene	< 12.1	ug/Kg		12/28/2016 13:05
1,2,4-Trimethylbenzene	< 4.85	ug/Kg		12/28/2016 13:05
1,2-Dibromo-3-Chloropropane	< 24.3	ug/Kg		12/28/2016 13:05
1,2-Dibromoethane	< 4.85	ug/Kg		12/28/2016 13:05
1,2-Dichlorobenzene	< 4.85	ug/Kg		12/28/2016 13:05
1,2-Dichloroethane	< 4.85	ug/Kg		12/28/2016 13:05
1,2-Dichloropropane	< 4.85	ug/Kg		12/28/2016 13:05
1,3,5-Trimethylbenzene	< 4.85	ug/Kg		12/28/2016 13:05
1,3-Dichlorobenzene	< 4.85	ug/Kg		12/28/2016 13:05
1,4-Dichlorobenzene	< 4.85	ug/Kg		12/28/2016 13:05
1,4-dioxane	< 48.5	ug/Kg		12/28/2016 13:05
2-Butanone	< 24.3	ug/Kg		12/28/2016 13:05
2-Hexanone	< 12.1	ug/Kg		12/28/2016 13:05
4-Methyl-2-pentanone	< 12.1	ug/Kg		12/28/2016 13:05
Acetone	< 24.3	ug/Kg		12/28/2016 13:05
Benzene	< 4.85	ug/Kg		12/28/2016 13:05
Bromochloromethane	< 12.1	ug/Kg		12/28/2016 13:05
Bromodichloromethane	< 4.85	ug/Kg		12/28/2016 13:05
Bromoform	< 12.1	ug/Kg		12/28/2016 13:05
Bromomethane	< 4.85	ug/Kg		12/28/2016 13:05
Carbon disulfide	< 4.85	ug/Kg		12/28/2016 13:05

Report Prepared Friday, December 30, 2016

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 165522

Client: **C&S Companies**

Project Reference: 100 Dona Street, N.W. # 16-266

Sample Identifier: BH-6
Lab Sample ID: 165522-08
Matrix: Soil
Date Sampled: 12/19/2016
Date Received: 12/22/2016

Carbon Tetrachloride	< 4.85	ug/Kg		12/28/2016	13:05
Chlorobenzene	< 4.85	ug/Kg		12/28/2016	13:05
Chloroethane	< 4.85	ug/Kg		12/28/2016	13:05
Chloroform	< 4.85	ug/Kg		12/28/2016	13:05
Chloromethane	< 4.85	ug/Kg		12/28/2016	13:05
cis-1,2-Dichloroethene	< 4.85	ug/Kg		12/28/2016	13:05
cis-1,3-Dichloropropene	< 4.85	ug/Kg		12/28/2016	13:05
Cyclohexane	< 24.3	ug/Kg		12/28/2016	13:05
Dibromochloromethane	< 4.85	ug/Kg		12/28/2016	13:05
Dichlorodifluoromethane	< 4.85	ug/Kg		12/28/2016	13:05
Ethylbenzene	< 4.85	ug/Kg		12/28/2016	13:05
Freon 113	< 4.85	ug/Kg		12/28/2016	13:05
Isopropylbenzene	< 4.85	ug/Kg		12/28/2016	13:05
m,p-Xylene	< 4.85	ug/Kg		12/28/2016	13:05
Methyl acetate	< 4.85	ug/Kg		12/28/2016	13:05
Methyl tert-butyl Ether	< 4.85	ug/Kg		12/28/2016	13:05
Methylcyclohexane	< 4.85	ug/Kg		12/28/2016	13:05
Methylene chloride	< 12.1	ug/Kg		12/28/2016	13:05
Naphthalene	< 12.1	ug/Kg		12/28/2016	13:05
n-Butylbenzene	< 4.85	ug/Kg		12/28/2016	13:05
n-Propylbenzene	< 4.85	ug/Kg		12/28/2016	13:05
o-Xylene	< 4.85	ug/Kg		12/28/2016	13:05
p-Isopropyltoluene	< 4.85	ug/Kg		12/28/2016	13:05
sec-Butylbenzene	**3.82**	ug/Kg	J	12/28/2016	13:05
Styrene	< 12.1	ug/Kg		12/28/2016	13:05
tert-Butylbenzene	< 4.85	ug/Kg		12/28/2016	13:05
Tetrachloroethene	< 4.85	ug/Kg		12/28/2016	13:05
Toluene	< 4.85	ug/Kg		12/28/2016	13:05
trans-1,2-Dichloroethene	< 4.85	ug/Kg		12/28/2016	13:05
trans-1,3-Dichloropropene	< 4.85	ug/Kg		12/28/2016	13:05

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 165522

Client: **C&S Companies**

Project Reference: 100 Dona Street, N.W. # 16-266

Sample Identifier: BH-6
Lab Sample ID: 165522-08 **Date Sampled:** 12/19/2016
Matrix: Soil **Date Received:** 12/22/2016

Trichloroethene	**3.74**	ug/Kg	JZ	12/28/2016	13:05
Trichlorofluoromethane	< 4.85	ug/Kg		12/28/2016	13:05
Vinyl chloride	< 4.85	ug/Kg		12/28/2016	13:05

Surrogate	Percent Recovery	Limits	Outliers	Date Analyzed	
1,2-Dichloroethane-d4	**104**	82 - 124		12/28/2016	13:05
4-Bromofluorobenzene	**96.9**	80.5 - 116		12/28/2016	13:05
Pentafluorobenzene	**101**	88.7 - 112		12/28/2016	13:05
Toluene-D8	**100**	79.1 - 120		12/28/2016	13:05

Method Reference(s): EPA 8260C
EPA 5035A - L
Data File: x38109.D

This sample was not collected following SW846 5035A specifications. Accordingly, any Volatiles soil results that are less than 200 ug/Kg, including Non Detects, may be biased low, per ELAP method 5035 guidance document from 11/15/2012.

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Analytical Report Appendix

The reported results relate only to the samples as they have been received by the laboratory.

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All soil/sludge samples have been reported on a dry weight basis, unless qualified "reported as received". Other solids are reported as received.

Low level Volatiles blank reports for soil/solid matrix are based on a nominal 5 gram weight. Sample results and reporting limits are based on actual weight, which may be more or less than 5 grams.

The Chain of Custody provides additional information, including compliance with sample condition requirements upon receipt. Sample condition requirements are defined under the 2003 NELAC Standard, sections 5.5.8.3.1 and 5.5.8.3.2.

NYSDOH ELAP does not certify for all parameters. Paradigm Environmental Services or the indicated subcontracted laboratory does hold certification for all analytes where certification is offered by ELAP unless otherwise specified. Aliquots separated for certain tests, such as TCLP, are indicated on the Chain of Custody and final reports with an "A" suffix.

Data qualifiers are used, when necessary, to provide additional information about the data. This information may be communicated as a flag or as text at the bottom of the report. Please refer to the following list of analyte-specific, frequently used data flags and their meaning:

"<" = Analyzed for but not detected at or above the quantitation limit.
"E" = Result has been estimated, calibration limit exceeded.
"Z" = See case narrative.
"D" = Sample, Laboratory Control Sample, or Matrix Spike Duplicate results above Relative Percent Difference limit.
"M" = Matrix spike recoveries outside QC limits. Matrix bias indicated.
"B" = Method blank contained trace levels of analyte. Refer to included method blank report.
"J" = Result estimated between the quantitation limit and half the quantitation limit.
"L" = Laboratory Control Sample recovery outside accepted QC limits.
"P" = Concentration differs by more than 40% between the primary and secondary analytical columns.
"NC" = Not calculable. Applicable to RPD if sample or duplicate result is non-detect or estimated (see primary report for data flags). Applicable to MS if sample is greater or equal to ten times the spike added. Applicable to sample surrogates or MS if sample dilution is 10x or higher.
"" = Indicates any recoveries outside associated acceptance windows. Surrogate outliers in samples are presumed matrix effects. LCS demonstrates method compliance unless otherwise noted.*
"(1)" = Indicates data from primary column used for QC calculation.
"A" = denotes a parameter for which ELAP does not offer approval as part of their laboratory certification program.
"F" = denotes a parameter for which Paradigm does not carry certification, the results for which should therefore only be used where ELAP certification is not required, such as personal exposure assessment.

GENERAL TERMS AND CONDITIONS
LABORATORY SERVICES

These Terms and Conditions embody the whole agreement of the parties in the absence of a signed and executed contract between the Laboratory (LAB) and Client. They shall supersede all previous communications, representations, or agreements, either verbal or written, between the parties. The LAB specifically rejects all additional, inconsistent, or conflicting terms, whether printed or otherwise set forth in any purchase order or other communication from the Client to the LAB. The invalidity or unenforceability in whole or in part of any provision, term, or condition hereof shall not affect in any way the validity or enforceability of the remainder of the Terms and Conditions. No waiver by LAB of any provision, term, or condition hereof or of any breach by or obligation of the Client hereunder shall constitute a waiver of such provision, term, or condition on any other occasion or a waiver of any other breach by or obligation of the Client. This agreement shall be administered and interpreted under the laws of the state which services are procured.

Warranty. Recognizing that the nature of many samples is unknown and that some may contain potentially hazardous components, LAB warrants only that it will perform testing services, obtain findings, and prepare reports in accordance with generally accepted analytical laboratory principles and practices at the time of performance of services. LAB makes no other warranty, express or implied.

Scope and Compensation. LAB agrees to perform the services described in the chain of custody to which these terms and conditions are attached. Unless the parties agree in writing to the contrary, the duties of LAB shall not be construed to exceed the services specifically described. LAB will use LAB default method for all tests unless specified otherwise on the Work Order.
Payment terms are net 30 days from the date of invoice. All overdue payments are subject to an interest charge of one and one-half percent (1-1/2%) per month or a portion thereof. Client shall also be responsible for costs of collection, including payment of reasonable attorney fees if such expense is incurred. The prices, unless stated, do not include any sale, use or other taxes. Such taxes will be added to invoice prices when required.

Prices. Compensation for services performed will be based on the current Lab Analytical Fee Schedule or on quotations agreed to in writing by the parties. Turnaround time based charges are determined from the time of resolution of all work order questions. Testimony, court appearances or data compilation for legal action will be charged separately. Evaluation and reporting of initial screening runs may incur additional fees.

Limitations of Liability. In the event of any error, omission, or other professional negligence, the sole and exclusive responsibility of LAB shall be to re-perform the deficient work at its own expense and LAB shall have no other liability whatsoever. All claims shall be deemed waived unless made in writing and received by LAB within ninety (90) days following completion of services.
LAB shall have no liability, obligation, or responsibility of any kind for losses, costs, expenses, or other damages (including but not limited to any special, direct, incidental or consequential damages) with respect to LAB's services or results.
All results provided by LAB are strictly for the use of its clients and LAB is in no way responsible for the use of such results by clients or third parties. All reports should be considered in their entirety, and LAB is not responsible for the separation, detachment, or other use of any portion of these reports. Client may not assign the lab report without the written consent of the LAB.
Client covenants and agrees, at its/his/her sole expense, to indemnify, protect, defend, and save harmless the LAB from and against any and all damages, losses, liabilities, obligations, penalties, claims, litigation, demands, defenses, judgments, suits, actions, proceedings, costs, disbursements and/or expenses (including, without limitation attorneys' and experts' fees and disbursements) of any kind whatsoever which may at any time be imposed upon, incurred by or asserted or awarded against client relating to, resulting from or arising out of (a) the breach of this agreement by this client, (b) the negligence of the client in handling, delivering or disclosing any hazardous substance, (c) the violation of the Client of any applicable law, (d) non-compliance by the Client with any environmental permit or (e) a material misrepresentation in disclosing the materials to be tested.

Hazard Disclosure. Client represents and warrants that any sample delivered to LAB will be preceded or accompanied by complete written disclosure of the presence of any hazardous substances known or suspected by Client. Client further warrants that any sample containing any hazardous substance that is to be delivered to LAB will be packaged, labeled, transported, and delivered properly and in accordance with applicable laws.

Sample Handling. Prior to LAB's acceptance of any sample (or after any revocation of acceptance), the entire risk of loss or of damage to such sample remains with Client. Samples are accepted when receipt is acknowledged on chain of custody documentation. In no event will LAB have any responsibility for the action or inaction of any carrier shipping or delivering any sample to or from LAB premises.
Client authorizes LAB to proceed with the analysis of samples as received by the laboratory, recognizing that any samples not in compliance with all current DOH-ELAP-NELAP requirements for containers, preservation or holding time will be noted as such on the final report.
Disposal of hazardous waste samples is the responsibility of the Client. If the Client does not wish such samples returned, LAB may add storage and disposal fees to the final invoice. Maximum storage time for samples is 30 days after completion of analysis unless modified by applicable state or federal laws. Client will be required to give the LAB written instructions concerning disposal of these samples.
LAB reserves the absolute right, exercisable at any time, to refuse to receive delivery of, refuse to accept, or revoke acceptance of any sample, which, in the sole judgment of LAB (a) is of unsuitable volume, (b) may be or become unsuitable for or may pose a risk in handling, transport, or processing for any health, safety, environmental or other reason whether or not due to the presence in the sample of any hazardous substance, and whether or not such presence has been disclosed to LAB by Client or (c) if the condition or sample date make the sample unsuitable for analysis.

Legal Responsibility. LAB is solely responsible for performance of this contract, and no affiliated company, director, officer, employee, or agent shall have any legal responsibility hereunder, whether in contract or tort including negligence.

Assignment. LAB may assign its performance obligations under this contract to other parties, as it deems necessary. LAB shall disclose to Client any assignee (subcontractor) by ELAP ID # on the submitted final report.

Force Majeure. LAB shall have no responsibility or liability to the Client for any failure or delay in performance by LAB, which results in whole or in part from any cause or circumstance beyond the reasonable control of LAB. Such causes and circumstances shall include, but not limited to, acts of God, acts or orders of any government authority, strikes or other labor disputes, natural disasters, accidents, wars, civil disturbances, difficulties or delays in transportation, mail or delivery services, inability to obtain sufficient services or supplies from LAB's usual suppliers, or any other cause beyond LAB's reasonable control.

Law. This contract shall be continued under the laws of the State of New York without regard to its conflicts of laws provision.

PARADIGM ENVIRONMENTAL SERVICES, INC
179 Lake Avenue, Rochester, NY 14608 Office (585) 647-2530 Fax (585) 647-3311

CHAIN OF CUSTODY

165522

REPORT TO:	INVOICE TO:	
CLIENT: C+S Engineers	CLIENT: ~~Same~~ Natures Way Environmental	LAB PROJECT ID: 100 Dona Street
ADDRESS: 141 Elm street, Suite 100	ADDRESS: 3553 Crittenden Rd.	Quotation #:
CITY: Buffalo STATE: NY ZIP: 14203	CITY: Alden STATE: NY ZIP: 14004	Email: sherber@buffalo.edu ewarren@naturesWayEnv.com
PHONE: 716-847-1630	PHONE: (716) 937-6527	
ATTN: Sam Herberger / Eric Warren	ATTN: Eric Warren	

PROJECT REFERENCE: N.W.# 16-266

Matrix Codes:
AQ - Aqueous Liquid; NQ - Non-Aqueous Liquid; WA - Water; WG - Groundwater; DW - Drinking Water; WW - Wastewater; SO - Soil; SL - Sludge; SD - Solid; PT - Paint; WP - Wipe; CK - Caulk; OL - Oil; AR - Air

REQUESTED ANALYSIS

DATE COLLECTED	TIME COLLECTED	COMPOSITE	GRAB	SAMPLE IDENTIFIER	MATRIX CODES	NUMBER OF CONTAINERS	TCL VOC	TCL SVOC	PCB	TAL Metals	REMARKS	PARADIGM LAB SAMPLE NUMBER
12/19/16	~~907A~~		X	~~BH-2~~	~~SO~~	~~1~~	~~X~~	~~X~~	~~X~~	~~X~~	~~Part 375~~	
	1015A		X	BH-4	SO	1	X	X	X	X	Part 375	01
	1115A		X	BH-10	SO	1	X	X	X	X	per SH GP 12/27/16	02
	110P		X	BH-12	SO	1	X	X	X	X		03
	210P		X	BH-9	SO	1	X	X	X	X	TCL	04
	245P		X	BH-8	SO	1	X	X	X	X		05
	340P		X	BH-7	SO	1	X	X	X	X		06
	1250P		X	BH-11	SO	1	X	X	X	X		07
	405P		X	BH-6	SO	1	X	X	X	X	Part 375	08

Turnaround Time		Report Supplements			
Availability contingent upon lab approval; additional fees may apply.					
Standard 5 day	X	None Required		None Required	
10 day		Batch QC		Basic EDD	
Rush 3 day		Category A		NYSDEC EDD	X
Rush 2 day		Category B	X		
Rush 1 day					
Other please indicate date needed:		Other please indicate package needed:		Other EDD please indicate EDD needed :	

Samantha Heyser — Sampled By — Date/Time: 12/20/16
Relinquished By — Date/Time: 12-21-16
Received By: Molly Kaid — Date/Time: 12/21/16
Received @ Lab By — Date/Time: 12/22/16 1410

Total Cost:

P.I.F.

4°C iced 12/22/16 12/22/16 11:49

By signing this form, client agrees to Paradigm Terms and Conditions (reverse).

Custody Seal intact, Signed, dated. GP 12/22/16

See additional page for sample conditions.

PARADIGM

Chain of Custody Supplement

Client: C & S Engineers **Completed by:** Glenn Pezzulo

Lab Project ID: 165522 **Date:** 12/27/16

Sample Condition Requirements

Per NELAC/ELAP 210/241/242/243/244

NELAC compliance with the sample condition requirements upon receipt

Condition	Yes	No	N/A
Container Type	X	X 5035	
Comments			
Transferred to method-compliant container			X
Headspace (<1 mL)			X
Comments			
Preservation			X
Comments			
Chlorine Absent (<0.10 ppm per test strip)			X
Comments			
Holding Time	X		
Comments			
Temperature	X		X MeOH
Comments	4°C iced 12/22/16 11:49		
Sufficient Sample Quantity	X		
Comments			

FINAL

PARADIGM
ENVIRONMENTAL SERVICES, INC.

LAB PROJECT NARRATIVE

CLIENT: C&S Companies

PROJECT REFERENCE: 100 Dona St.

LAB PROJECT NUMBER: 165582

DATE: 01/04/2017

This report documents positive detections for trichloroethene (TCE) in select samples. It has been determined that your samples were stored concurrent with another sample that contained very high levels of TCE. Although the evidence is purely circumstantial, it is possible that the TCE results reported herein stem from cross contamination during storage.

FINAL

Matthew Miller
Operations Manager

179 Lake Avenue

Rochester, NY 14608

OFFICE: 585.647.2530

FAX: 585.647.3311

mmiller@paradigmenv.com
www.paradigmenv.com

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 165582

Client: **C&S Companies**

Project Reference: 100 Dona Street

Sample Identifier:	TP-1		
Lab Sample ID:	165582-01	**Date Sampled:**	12/27/2016
Matrix:	Soil	**Date Received:**	12/29/2016

Metals

Analyte	Result	Units	Qualifier	Date Analyzed
Arsenic	**1.70**	mg/Kg		1/3/2017 14:14
Barium	**23.6**	mg/Kg		1/3/2017 12:58
Beryllium	**0.164**	mg/Kg	J	1/3/2017 12:58
Cadmium	**0.140**	mg/Kg	J	1/3/2017 12:58
Chromium	**5.39**	mg/Kg		1/3/2017 12:58
Copper	**10.8**	mg/Kg		1/3/2017 12:58
Lead	**5.31**	mg/Kg		1/3/2017 12:58
Manganese	**179**	mg/Kg		1/3/2017 12:58
Nickel	**9.44**	mg/Kg		1/3/2017 12:58
Selenium	**1.65**	mg/Kg		1/4/2017 20:51
Silver	< 0.503	mg/Kg		1/3/2017 12:58
Zinc	**33.5**	mg/Kg		1/3/2017 12:58

FINAL

Method Reference(s): EPA 6010C
EPA 3050B
Preparation Date: 12/30/2016
Data File: 010317b

Report Prepared Thursday, January 05, 2017

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 165582

Client: **C&S Companies**

Project Reference: 100 Dona Street

Sample Identifier:	TP-1		
Lab Sample ID:	165582-01	**Date Sampled:**	12/27/2016
Matrix:	Soil	**Date Received:**	12/29/2016

Mercury

Analyte	Result	Units	Qualifier	Date Analyzed
Mercury	**0.00451**	mg/Kg	J	12/30/2016 13:53

Method Reference(s): EPA 7471B
Preparation Date: 12/30/2016
Data File: Hg161230A

Report Prepared Thursday, January 05, 2017

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 165582

Client: **C&S Companies**

Project Reference: 100 Dona Street

Sample Identifier: TP-1
Lab Sample ID: 165582-01 **Date Sampled:** 12/27/2016
Matrix: Soil **Date Received:** 12/29/2016

PCBs

Analyte	Result	Units	Qualifier	Date Analyzed
PCB-1016	< 0.0324	mg/Kg		1/3/2017 23:32
PCB-1221	< 0.0324	mg/Kg		1/3/2017 23:32
PCB-1232	< 0.0324	mg/Kg		1/3/2017 23:32
PCB-1242	< 0.0324	mg/Kg		1/3/2017 23:32
PCB-1248	< 0.0324	mg/Kg		1/3/2017 23:32
PCB-1254	< 0.0324	mg/Kg		1/3/2017 23:32
PCB-1260	< 0.0324	mg/Kg		1/3/2017 23:32
PCB-1262	< 0.0324	mg/Kg		1/3/2017 23:32
PCB-1268	< 0.0324	mg/Kg		1/3/2017 23:32

Surrogate	Percent Recovery	Limits	Outliers	Date Analyzed
Decachlorobiphenyl	**83.1**	10 - 144		1/3/2017 23:32
Tetrachloro-m-xylene	**53.0**	10 - 140		1/3/2017 23:32

Method Reference(s): EPA 8082A
EPA 3550C
Preparation Date: 1/3/2017

Report Prepared Thursday, January 05, 2017

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 165582

Client: **C&S Companies**

Project Reference: 100 Dona Street

Sample Identifier: TP-1
Lab Sample ID: 165582-01 **Date Sampled:** 12/27/2016
Matrix: Soil **Date Received:** 12/29/2016

Semi-Volatile Organics (Acid/Base Neutrals)

Analyte	Result	Units	Qualifier	Date Analyzed
1,1-Biphenyl	< 321	ug/Kg		12/30/2016 21:27
1,2,4,5-Tetrachlorobenzene	< 321	ug/Kg		12/30/2016 21:27
1,2,4-Trichlorobenzene	< 321	ug/Kg		12/30/2016 21:27
1,2-Dichlorobenzene	< 321	ug/Kg		12/30/2016 21:27
1,3-Dichlorobenzene	< 321	ug/Kg		12/30/2016 21:27
1,4-Dichlorobenzene	< 321	ug/Kg		12/30/2016 21:27
2,2-Oxybis (1-chloropropane)	< 321	ug/Kg		12/30/2016 21:27
2,3,4,6-Tetrachlorophenol	< 321	ug/Kg		12/30/2016 21:27
2,4,5-Trichlorophenol	< 642	ug/Kg		12/30/2016 21:27
2,4,6-Trichlorophenol	< 321	ug/Kg		12/30/2016 21:27
2,4-Dichlorophenol	< 321	ug/Kg		12/30/2016 21:27
2,4-Dimethylphenol	< 321	ug/Kg		12/30/2016 21:27
2,4-Dinitrophenol	< 642	ug/Kg		12/30/2016 21:27
2,4-Dinitrotoluene	< 321	ug/Kg		12/30/2016 21:27
2,6-Dinitrotoluene	< 321	ug/Kg		12/30/2016 21:27
2-Chloronaphthalene	< 321	ug/Kg		12/30/2016 21:27
2-Chlorophenol	< 321	ug/Kg		12/30/2016 21:27
2-Methylnapthalene	< 321	ug/Kg		12/30/2016 21:27
2-Methylphenol	< 321	ug/Kg		12/30/2016 21:27
2-Nitroaniline	< 642	ug/Kg		12/30/2016 21:27
2-Nitrophenol	< 321	ug/Kg		12/30/2016 21:27
3&4-Methylphenol	< 321	ug/Kg		12/30/2016 21:27
3,3'-Dichlorobenzidine	< 321	ug/Kg		12/30/2016 21:27
3-Nitroaniline	< 642	ug/Kg		12/30/2016 21:27
4,6-Dinitro-2-methylphenol	< 642	ug/Kg		12/30/2016 21:27
4-Bromophenyl phenyl ether	< 321	ug/Kg		12/30/2016 21:27
4-Chloro-3-methylphenol	< 321	ug/Kg		12/30/2016 21:27

Report Prepared Thursday, January 05, 2017

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 165582

Client: **C&S Companies**

Project Reference: 100 Dona Street

Sample Identifier: TP-1
Lab Sample ID: 165582-01 **Date Sampled:** 12/27/2016
Matrix: Soil **Date Received:** 12/29/2016

4-Chloroaniline	< 321	ug/Kg	12/30/2016	21:27
4-Chlorophenyl phenyl ether	< 321	ug/Kg	12/30/2016	21:27
4-Nitroaniline	< 642	ug/Kg	12/30/2016	21:27
4-Nitrophenol	< 642	ug/Kg	12/30/2016	21:27
Acenaphthene	< 321	ug/Kg	12/30/2016	21:27
Acenaphthylene	< 321	ug/Kg	12/30/2016	21:27
Acetophenone	< 321	ug/Kg	12/30/2016	21:27
Anthracene	< 321	ug/Kg	12/30/2016	21:27
Atrazine	< 321	ug/Kg	12/30/2016	21:27
Benzaldehyde	< 321	ug/Kg	12/30/2016	21:27
Benzo (a) anthracene	< 321	ug/Kg	12/30/2016	21:27
Benzo (a) pyrene	< 321	ug/Kg	12/30/2016	21:27
Benzo (b) fluoranthene	< 321	ug/Kg	12/30/2016	21:27
Benzo (g,h,i) perylene	< 321	ug/Kg	12/30/2016	21:27
Benzo (k) fluoranthene	< 321	ug/Kg	12/30/2016	21:27
Bis (2-chloroethoxy) methane	< 321	ug/Kg	12/30/2016	21:27
Bis (2-chloroethyl) ether	< 321	ug/Kg	12/30/2016	21:27
Bis (2-ethylhexyl) phthalate	< 321	ug/Kg	12/30/2016	21:27
Butylbenzylphthalate	< 321	ug/Kg	12/30/2016	21:27
Caprolactam	< 321	ug/Kg	12/30/2016	21:27
Carbazole	< 321	ug/Kg	12/30/2016	21:27
Chrysene	< 321	ug/Kg	12/30/2016	21:27
Dibenz (a,h) anthracene	< 321	ug/Kg	12/30/2016	21:27
Dibenzofuran	< 321	ug/Kg	12/30/2016	21:27
Diethyl phthalate	< 321	ug/Kg	12/30/2016	21:27
Dimethyl phthalate	< 642	ug/Kg	12/30/2016	21:27
Di-n-butyl phthalate	< 321	ug/Kg	12/30/2016	21:27
Di-n-octylphthalate	< 321	ug/Kg	12/30/2016	21:27
Fluoranthene	< 321	ug/Kg	12/30/2016	21:27
Fluorene	< 321	ug/Kg	12/30/2016	21:27

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 165582

Client: **C&S Companies**

Project Reference: 100 Dona Street

Sample Identifier: TP-1
Lab Sample ID: 165582-01 **Date Sampled:** 12/27/2016
Matrix: Soil **Date Received:** 12/29/2016

Hexachlorobenzene	< 321	ug/Kg			12/30/2016 21:27
Hexachlorobutadiene	< 321	ug/Kg			12/30/2016 21:27
Hexachlorocyclopentadiene	< 321	ug/Kg			12/30/2016 21:27
Hexachloroethane	< 321	ug/Kg			12/30/2016 21:27
Indeno (1,2,3-cd) pyrene	< 321	ug/Kg			12/30/2016 21:27
Isophorone	< 321	ug/Kg			12/30/2016 21:27
Naphthalene	< 321	ug/Kg			12/30/2016 21:27
Nitrobenzene	< 321	ug/Kg			12/30/2016 21:27
N-Nitroso-di-n-propylamine	< 321	ug/Kg			12/30/2016 21:27
N-Nitrosodiphenylamine	< 321	ug/Kg			12/30/2016 21:27
Pentachlorophenol	< 642	ug/Kg			12/30/2016 21:27
Phenanthrene	< 321	ug/Kg			12/30/2016 21:27
Phenol	< 321	ug/Kg			12/30/2016 21:27
Pyrene	< 321	ug/Kg			12/30/2016 21:27

Surrogate	Percent Recovery	Limits	Outliers	Date Analyzed
2,4,6-Tribromophenol	**67.9**	38 - 114		12/30/2016 21:27
2-Fluorobiphenyl	**60.0**	25 - 105		12/30/2016 21:27
2-Fluorophenol	**52.9**	30.8 - 84		12/30/2016 21:27
Nitrobenzene-d5	**53.7**	28.5 - 84.9		12/30/2016 21:27
Phenol-d5	**56.1**	32.5 - 89.6		12/30/2016 21:27
Terphenyl-d14	**75.6**	55.5 - 117		12/30/2016 21:27

Method Reference(s): EPA 8270D
EPA 3550C
Preparation Date: 12/30/2016
Data File: B16289.D

Report Prepared Thursday, January 05, 2017

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 165582

Client: **C&S Companies**

Project Reference: 100 Dona Street

Sample Identifier: TP-1
Lab Sample ID: 165582-01 **Date Sampled:** 12/27/2016
Matrix: Soil **Date Received:** 12/29/2016

Volatile Organics

Analyte	Result	Units	Qualifier	Date Analyzed
1,1,1-Trichloroethane	< 3.58	ug/Kg		1/4/2017 14:53
1,1,2,2-Tetrachloroethane	< 3.58	ug/Kg		1/4/2017 14:53
1,1,2-Trichloroethane	< 3.58	ug/Kg		1/4/2017 14:53
1,1-Dichloroethane	< 3.58	ug/Kg		1/4/2017 14:53
1,1-Dichloroethene	< 3.58	ug/Kg		1/4/2017 14:53
1,2,3-Trichlorobenzene	< 8.96	ug/Kg		1/4/2017 14:53
1,2,4-Trichlorobenzene	< 8.96	ug/Kg		1/4/2017 14:53
1,2,4-Trimethylbenzene	< 3.58	ug/Kg		1/4/2017 14:53
1,2-Dibromo-3-Chloropropane	< 17.9	ug/Kg		1/4/2017 14:53
1,2-Dibromoethane	< 3.58	ug/Kg		1/4/2017 14:53
1,2-Dichlorobenzene	< 3.58	ug/Kg		1/4/2017 14:53
1,2-Dichloroethane	< 3.58	ug/Kg		1/4/2017 14:53
1,2-Dichloropropane	< 3.58	ug/Kg		1/4/2017 14:53
1,3,5-Trimethylbenzene	< 3.58	ug/Kg		1/4/2017 14:53
1,3-Dichlorobenzene	< 3.58	ug/Kg		1/4/2017 14:53
1,4-Dichlorobenzene	< 3.58	ug/Kg		1/4/2017 14:53
1,4-dioxane	< 35.8	ug/Kg		1/4/2017 14:53
2-Butanone	< 17.9	ug/Kg		1/4/2017 14:53
2-Hexanone	< 8.96	ug/Kg		1/4/2017 14:53
4-Methyl-2-pentanone	< 8.96	ug/Kg		1/4/2017 14:53
Acetone	< 17.9	ug/Kg		1/4/2017 14:53
Benzene	< 3.58	ug/Kg		1/4/2017 14:53
Bromochloromethane	< 8.96	ug/Kg		1/4/2017 14:53
Bromodichloromethane	< 3.58	ug/Kg		1/4/2017 14:53
Bromoform	< 8.96	ug/Kg		1/4/2017 14:53
Bromomethane	< 3.58	ug/Kg		1/4/2017 14:53
Carbon disulfide	< 3.58	ug/Kg		1/4/2017 14:53

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 165582

Client: **C&S Companies**

Project Reference: 100 Dona Street

Sample Identifier: TP-1
Lab Sample ID: 165582-01 **Date Sampled:** 12/27/2016
Matrix: Soil **Date Received:** 12/29/2016

Carbon Tetrachloride	< 3.58	ug/Kg	1/4/2017	14:53
Chlorobenzene	< 3.58	ug/Kg	1/4/2017	14:53
Chloroethane	< 3.58	ug/Kg	1/4/2017	14:53
Chloroform	< 3.58	ug/Kg	1/4/2017	14:53
Chloromethane	< 3.58	ug/Kg	1/4/2017	14:53
cis-1,2-Dichloroethene	< 3.58	ug/Kg	1/4/2017	14:53
cis-1,3-Dichloropropene	< 3.58	ug/Kg	1/4/2017	14:53
Cyclohexane	< 17.9	ug/Kg	1/4/2017	14:53
Dibromochloromethane	< 3.58	ug/Kg	1/4/2017	14:53
Dichlorodifluoromethane	< 3.58	ug/Kg	1/4/2017	14:53
Ethylbenzene	< 3.58	ug/Kg	1/4/2017	14:53
Freon 113	< 3.58	ug/Kg	1/4/2017	14:53
Isopropylbenzene	< 3.58	ug/Kg	1/4/2017	14:53
m,p-Xylene	< 3.58	ug/Kg	1/4/2017	14:53
Methyl acetate	< 3.58	ug/Kg	1/4/2017	14:53
Methyl tert-butyl Ether	< 3.58	ug/Kg	1/4/2017	14:53
Methylcyclohexane	< 3.58	ug/Kg	1/4/2017	14:53
Methylene chloride	< 8.96	ug/Kg	1/4/2017	14:53
Naphthalene	< 8.96	ug/Kg	1/4/2017	14:53
n-Butylbenzene	< 3.58	ug/Kg	1/4/2017	14:53
n-Propylbenzene	< 3.58	ug/Kg	1/4/2017	14:53
o-Xylene	< 3.58	ug/Kg	1/4/2017	14:53
p-Isopropyltoluene	< 3.58	ug/Kg	1/4/2017	14:53
sec-Butylbenzene	< 3.58	ug/Kg	1/4/2017	14:53
Styrene	< 8.96	ug/Kg	1/4/2017	14:53
tert-Butylbenzene	< 3.58	ug/Kg	1/4/2017	14:53
Tetrachloroethene	< 3.58	ug/Kg	1/4/2017	14:53
Toluene	< 3.58	ug/Kg	1/4/2017	14:53
trans-1,2-Dichloroethene	< 3.58	ug/Kg	1/4/2017	14:53
trans-1,3-Dichloropropene	< 3.58	ug/Kg	1/4/2017	14:53

Report Prepared Thursday, January 05, 2017

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 165582

Client: **C&S Companies**

Project Reference: 100 Dona Street

Sample Identifier: TP-1
Lab Sample ID: 165582-01 **Date Sampled:** 12/27/2016
Matrix: Soil **Date Received:** 12/29/2016

Trichloroethene	< 3.58	ug/Kg	1/4/2017	14:53
Trichlorofluoromethane	< 3.58	ug/Kg	1/4/2017	14:53
Vinyl chloride	< 3.58	ug/Kg	1/4/2017	14:53

Surrogate	Percent Recovery	Limits	Outliers	Date Analyzed	
1,2-Dichloroethane-d4	**106**	82 - 124		1/4/2017	14:53
4-Bromofluorobenzene	**92.4**	80.5 - 116		1/4/2017	14:53
Pentafluorobenzene	**95.7**	88.7 - 112		1/4/2017	14:53
Toluene-D8	**97.9**	79.1 - 120		1/4/2017	14:53

Method Reference(s): EPA 8260C
EPA 5035A - L
Data File: x38274.D

This sample was not collected following SW846 5035A specifications. Accordingly, any Volatiles soil results that are less than 200 ug/Kg, including Non Detects, may be biased low, per ELAP method 5035 guidance document from 11/15/2012.

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 165582

Client: **C&S Companies**

Project Reference: 100 Dona Street

Sample Identifier:	TP-2		
Lab Sample ID:	165582-02	**Date Sampled:**	12/27/2016
Matrix:	Soil	**Date Received:**	12/29/2016

Metals

Analyte	Result	Units	Qualifier	Date Analyzed
Arsenic	**2.87**	mg/Kg		1/3/2017 13:02
Barium	**20.3**	mg/Kg		1/3/2017 13:02
Beryllium	**0.198**	mg/Kg	J	1/3/2017 13:02
Cadmium	**0.191**	mg/Kg	J	1/3/2017 13:02
Chromium	**6.84**	mg/Kg		1/3/2017 13:02
Copper	**11.2**	mg/Kg		1/3/2017 13:02
Lead	**5.54**	mg/Kg		1/3/2017 13:02
Manganese	**256**	mg/Kg		1/3/2017 13:02
Nickel	**8.58**	mg/Kg		1/3/2017 13:02
Selenium	**1.01**	mg/Kg		1/4/2017 21:04
Silver	< 0.525	mg/Kg		1/3/2017 13:02
Zinc	**34.3**	mg/Kg		1/3/2017 13:02

Method Reference(s): EPA 6010C
EPA 3050B
Preparation Date: 12/30/2016
Data File: 010317b

Report Prepared Thursday, January 05, 2017

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 165582

Client: **C&S Companies**

Project Reference: 100 Dona Street

Sample Identifier:	TP-2		
Lab Sample ID:	165582-02	**Date Sampled:**	12/27/2016
Matrix:	Soil	**Date Received:**	12/29/2016

Mercury

Analyte	Result	Units	Qualifier	Date Analyzed
Mercury	**0.00582**	mg/Kg	J	12/30/2016 13:57

Method Reference(s): EPA 7471B
Preparation Date: 12/30/2016
Data File: Hg161230A

FINAL

Report Prepared Thursday, January 05, 2017

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 165582

Client: **C&S Companies**

Project Reference: 100 Dona Street

Sample Identifier: TP-2
Lab Sample ID: 165582-02 **Date Sampled:** 12/27/2016
Matrix: Soil **Date Received:** 12/29/2016

PCBs

Analyte	Result	Units	Qualifier	Date Analyzed
PCB-1016	< 0.0328	mg/Kg		1/3/2017 23:55
PCB-1221	< 0.0328	mg/Kg		1/3/2017 23:55
PCB-1232	< 0.0328	mg/Kg		1/3/2017 23:55
PCB-1242	< 0.0328	mg/Kg		1/3/2017 23:55
PCB-1248	< 0.0328	mg/Kg		1/3/2017 23:55
PCB-1254	< 0.0328	mg/Kg		1/3/2017 23:55
PCB-1260	< 0.0328	mg/Kg		1/3/2017 23:55
PCB-1262	< 0.0328	mg/Kg		1/3/2017 23:55
PCB-1268	< 0.0328	mg/Kg		1/3/2017 23:55

Surrogate	Percent Recovery	Limits	Outliers	Date Analyzed
Decachlorobiphenyl	**87.6**	10 - 144		1/3/2017 23:55
Tetrachloro-m-xylene	**58.4**	10 - 140		1/3/2017 23:55

Method Reference(s): EPA 8082A
EPA 3550C
Preparation Date: 1/3/2017

Report Prepared Thursday, January 05, 2017

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 165582

Client: **C&S Companies**

Project Reference: 100 Dona Street

Sample Identifier: TP-2
Lab Sample ID: 165582-02 **Date Sampled:** 12/27/2016
Matrix: Soil **Date Received:** 12/29/2016

Semi-Volatile Organics (Acid/Base Neutrals)

Analyte	Result	Units	Qualifier	Date Analyzed
1,1-Biphenyl	< 332	ug/Kg		12/30/2016 21:56
1,2,4,5-Tetrachlorobenzene	< 332	ug/Kg		12/30/2016 21:56
1,2,4-Trichlorobenzene	< 332	ug/Kg		12/30/2016 21:56
1,2-Dichlorobenzene	< 332	ug/Kg		12/30/2016 21:56
1,3-Dichlorobenzene	< 332	ug/Kg		12/30/2016 21:56
1,4-Dichlorobenzene	< 332	ug/Kg		12/30/2016 21:56
2,2-Oxybis (1-chloropropane)	< 332	ug/Kg		12/30/2016 21:56
2,3,4,6-Tetrachlorophenol	< 332	ug/Kg		12/30/2016 21:56
2,4,5-Trichlorophenol	< 664	ug/Kg		12/30/2016 21:56
2,4,6-Trichlorophenol	< 332	ug/Kg		12/30/2016 21:56
2,4-Dichlorophenol	< 332	ug/Kg		12/30/2016 21:56
2,4-Dimethylphenol	< 332	ug/Kg		12/30/2016 21:56
2,4-Dinitrophenol	< 664	ug/Kg		12/30/2016 21:56
2,4-Dinitrotoluene	< 332	ug/Kg		12/30/2016 21:56
2,6-Dinitrotoluene	< 332	ug/Kg		12/30/2016 21:56
2-Chloronaphthalene	< 332	ug/Kg		12/30/2016 21:56
2-Chlorophenol	< 332	ug/Kg		12/30/2016 21:56
2-Methylnapthalene	< 332	ug/Kg		12/30/2016 21:56
2-Methylphenol	< 332	ug/Kg		12/30/2016 21:56
2-Nitroaniline	< 664	ug/Kg		12/30/2016 21:56
2-Nitrophenol	< 332	ug/Kg		12/30/2016 21:56
3&4-Methylphenol	< 332	ug/Kg		12/30/2016 21:56
3,3'-Dichlorobenzidine	< 332	ug/Kg		12/30/2016 21:56
3-Nitroaniline	< 664	ug/Kg		12/30/2016 21:56
4,6-Dinitro-2-methylphenol	< 664	ug/Kg		12/30/2016 21:56
4-Bromophenyl phenyl ether	< 332	ug/Kg		12/30/2016 21:56
4-Chloro-3-methylphenol	< 332	ug/Kg		12/30/2016 21:56

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 165582

Client: **C&S Companies**

Project Reference: 100 Dona Street

Sample Identifier: TP-2
Lab Sample ID: 165582-02
Matrix: Soil

Date Sampled: 12/27/2016
Date Received: 12/29/2016

4-Chloroaniline	< 332	ug/Kg	12/30/2016	21:56
4-Chlorophenyl phenyl ether	< 332	ug/Kg	12/30/2016	21:56
4-Nitroaniline	< 664	ug/Kg	12/30/2016	21:56
4-Nitrophenol	< 664	ug/Kg	12/30/2016	21:56
Acenaphthene	< 332	ug/Kg	12/30/2016	21:56
Acenaphthylene	< 332	ug/Kg	12/30/2016	21:56
Acetophenone	< 332	ug/Kg	12/30/2016	21:56
Anthracene	< 332	ug/Kg	12/30/2016	21:56
Atrazine	< 332	ug/Kg	12/30/2016	21:56
Benzaldehyde	< 332	ug/Kg	12/30/2016	21:56
Benzo (a) anthracene	< 332	ug/Kg	12/30/2016	21:56
Benzo (a) pyrene	< 332	ug/Kg	12/30/2016	21:56
Benzo (b) fluoranthene	< 332	ug/Kg	12/30/2016	21:56
Benzo (g,h,i) perylene	< 332	ug/Kg	12/30/2016	21:56
Benzo (k) fluoranthene	< 332	ug/Kg	12/30/2016	21:56
Bis (2-chloroethoxy) methane	< 332	ug/Kg	12/30/2016	21:56
Bis (2-chloroethyl) ether	< 332	ug/Kg	12/30/2016	21:56
Bis (2-ethylhexyl) phthalate	< 332	ug/Kg	12/30/2016	21:56
Butylbenzylphthalate	< 332	ug/Kg	12/30/2016	21:56
Caprolactam	< 332	ug/Kg	12/30/2016	21:56
Carbazole	< 332	ug/Kg	12/30/2016	21:56
Chrysene	< 332	ug/Kg	12/30/2016	21:56
Dibenz (a,h) anthracene	< 332	ug/Kg	12/30/2016	21:56
Dibenzofuran	< 332	ug/Kg	12/30/2016	21:56
Diethyl phthalate	< 332	ug/Kg	12/30/2016	21:56
Dimethyl phthalate	< 664	ug/Kg	12/30/2016	21:56
Di-n-butyl phthalate	< 332	ug/Kg	12/30/2016	21:56
Di-n-octylphthalate	< 332	ug/Kg	12/30/2016	21:56
Fluoranthene	< 332	ug/Kg	12/30/2016	21:56
Fluorene	< 332	ug/Kg	12/30/2016	21:56

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 165582

Client: **C&S Companies**

Project Reference: 100 Dona Street

Sample Identifier: TP-2
Lab Sample ID: 165582-02 **Date Sampled:** 12/27/2016
Matrix: Soil **Date Received:** 12/29/2016

Hexachlorobenzene	< 332	ug/Kg			12/30/2016 21:56
Hexachlorobutadiene	< 332	ug/Kg			12/30/2016 21:56
Hexachlorocyclopentadiene	< 332	ug/Kg			12/30/2016 21:56
Hexachloroethane	< 332	ug/Kg			12/30/2016 21:56
Indeno (1,2,3-cd) pyrene	< 332	ug/Kg			12/30/2016 21:56
Isophorone	< 332	ug/Kg			12/30/2016 21:56
Naphthalene	< 332	ug/Kg			12/30/2016 21:56
Nitrobenzene	< 332	ug/Kg			12/30/2016 21:56
N-Nitroso-di-n-propylamine	< 332	ug/Kg			12/30/2016 21:56
N-Nitrosodiphenylamine	< 332	ug/Kg			12/30/2016 21:56
Pentachlorophenol	< 664	ug/Kg			12/30/2016 21:56
Phenanthrene	< 332	ug/Kg			12/30/2016 21:56
Phenol	< 332	ug/Kg			12/30/2016 21:56
Pyrene	< 332	ug/Kg			12/30/2016 21:56

Surrogate	Percent Recovery	Limits	Outliers	Date Analyzed
2,4,6-Tribromophenol	**67.7**	38 - 114		12/30/2016 21:56
2-Fluorobiphenyl	**62.4**	25 - 105		12/30/2016 21:56
2-Fluorophenol	**57.7**	30.8 - 84		12/30/2016 21:56
Nitrobenzene-d5	**58.2**	28.5 - 84.9		12/30/2016 21:56
Phenol-d5	**59.7**	32.5 - 89.6		12/30/2016 21:56
Terphenyl-d14	**80.5**	55.5 - 117		12/30/2016 21:56

Method Reference(s): EPA 8270D
EPA 3550C
Preparation Date: 12/30/2016
Data File: B16290.D

Report Prepared Thursday, January 05, 2017

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 165582

Client: **C&S Companies**

Project Reference: 100 Dona Street

Sample Identifier: TP-2
Lab Sample ID: 165582-02 **Date Sampled:** 12/27/2016
Matrix: Soil **Date Received:** 12/29/2016

Volatile Organics

Analyte	Result	Units	Qualifier	Date Analyzed
1,1,1-Trichloroethane	< 4.05	ug/Kg		1/3/2017 16:24
1,1,2,2-Tetrachloroethane	< 4.05	ug/Kg		1/3/2017 16:24
1,1,2-Trichloroethane	< 4.05	ug/Kg		1/3/2017 16:24
1,1-Dichloroethane	< 4.05	ug/Kg		1/3/2017 16:24
1,1-Dichloroethene	< 4.05	ug/Kg		1/3/2017 16:24
1,2,3-Trichlorobenzene	< 10.1	ug/Kg		1/3/2017 16:24
1,2,4-Trichlorobenzene	< 10.1	ug/Kg		1/3/2017 16:24
1,2,4-Trimethylbenzene	< 4.05	ug/Kg		1/3/2017 16:24
1,2-Dibromo-3-Chloropropane	< 20.3	ug/Kg		1/3/2017 16:24
1,2-Dibromoethane	< 4.05	ug/Kg		1/3/2017 16:24
1,2-Dichlorobenzene	< 4.05	ug/Kg		1/3/2017 16:24
1,2-Dichloroethane	< 4.05	ug/Kg		1/3/2017 16:24
1,2-Dichloropropane	< 4.05	ug/Kg		1/3/2017 16:24
1,3,5-Trimethylbenzene	< 4.05	ug/Kg		1/3/2017 16:24
1,3-Dichlorobenzene	< 4.05	ug/Kg		1/3/2017 16:24
1,4-Dichlorobenzene	< 4.05	ug/Kg		1/3/2017 16:24
1,4-dioxane	< 40.5	ug/Kg		1/3/2017 16:24
2-Butanone	< 20.3	ug/Kg		1/3/2017 16:24
2-Hexanone	< 10.1	ug/Kg		1/3/2017 16:24
4-Methyl-2-pentanone	< 10.1	ug/Kg		1/3/2017 16:24
Acetone	< 20.3	ug/Kg		1/3/2017 16:24
Benzene	< 4.05	ug/Kg		1/3/2017 16:24
Bromochloromethane	< 10.1	ug/Kg		1/3/2017 16:24
Bromodichloromethane	< 4.05	ug/Kg		1/3/2017 16:24
Bromoform	< 10.1	ug/Kg		1/3/2017 16:24
Bromomethane	< 4.05	ug/Kg		1/3/2017 16:24
Carbon disulfide	< 4.05	ug/Kg		1/3/2017 16:24

Report Prepared Thursday, January 05, 2017

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 165582

Client: **C&S Companies**

Project Reference: 100 Dona Street

Sample Identifier: TP-2
Lab Sample ID: 165582-02 **Date Sampled:** 12/27/2016
Matrix: Soil **Date Received:** 12/29/2016

Carbon Tetrachloride	< 4.05	ug/Kg	1/3/2017	16:24
Chlorobenzene	< 4.05	ug/Kg	1/3/2017	16:24
Chloroethane	< 4.05	ug/Kg	1/3/2017	16:24
Chloroform	< 4.05	ug/Kg	1/3/2017	16:24
Chloromethane	< 4.05	ug/Kg	1/3/2017	16:24
cis-1,2-Dichloroethene	< 4.05	ug/Kg	1/3/2017	16:24
cis-1,3-Dichloropropene	< 4.05	ug/Kg	1/3/2017	16:24
Cyclohexane	< 20.3	ug/Kg	1/3/2017	16:24
Dibromochloromethane	< 4.05	ug/Kg	1/3/2017	16:24
Dichlorodifluoromethane	< 4.05	ug/Kg	1/3/2017	16:24
Ethylbenzene	< 4.05	ug/Kg	1/3/2017	16:24
Freon 113	< 4.05	ug/Kg	1/3/2017	16:24
Isopropylbenzene	< 4.05	ug/Kg	1/3/2017	16:24
m,p-Xylene	< 4.05	ug/Kg	1/3/2017	16:24
Methyl acetate	< 4.05	ug/Kg	1/3/2017	16:24
Methyl tert-butyl Ether	< 4.05	ug/Kg	1/3/2017	16:24
Methylcyclohexane	< 4.05	ug/Kg	1/3/2017	16:24
Methylene chloride	< 10.1	ug/Kg	1/3/2017	16:24
Naphthalene	< 10.1	ug/Kg	1/3/2017	16:24
n-Butylbenzene	< 4.05	ug/Kg	1/3/2017	16:24
n-Propylbenzene	< 4.05	ug/Kg	1/3/2017	16:24
o-Xylene	< 4.05	ug/Kg	1/3/2017	16:24
p-Isopropyltoluene	< 4.05	ug/Kg	1/3/2017	16:24
sec-Butylbenzene	< 4.05	ug/Kg	1/3/2017	16:24
Styrene	< 10.1	ug/Kg	1/3/2017	16:24
tert-Butylbenzene	< 4.05	ug/Kg	1/3/2017	16:24
Tetrachloroethene	< 4.05	ug/Kg	1/3/2017	16:24
Toluene	< 4.05	ug/Kg	1/3/2017	16:24
trans-1,2-Dichloroethene	< 4.05	ug/Kg	1/3/2017	16:24
trans-1,3-Dichloropropene	< 4.05	ug/Kg	1/3/2017	16:24

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 165582

Client: **C&S Companies**

Project Reference: 100 Dona Street

Sample Identifier: TP-2
Lab Sample ID: 165582-02 **Date Sampled:** 12/27/2016
Matrix: Soil **Date Received:** 12/29/2016

Trichloroethene	**14.2**	ug/Kg	Z	1/3/2017	16:24
Trichlorofluoromethane	< 4.05	ug/Kg		1/3/2017	16:24
Vinyl chloride	< 4.05	ug/Kg		1/3/2017	16:24

Surrogate	Percent Recovery	Limits	Outliers	Date Analyzed	
1,2-Dichloroethane-d4	**104**	82 - 124		1/3/2017	16:24
4-Bromofluorobenzene	**93.2**	80.5 - 116		1/3/2017	16:24
Pentafluorobenzene	**93.9**	88.7 - 112		1/3/2017	16:24
Toluene-D8	**97.0**	79.1 - 120		1/3/2017	16:24

Method Reference(s): EPA 8260C
EPA 5035A - L
Data File: x38244.D

This sample was not collected following SW846 5035A specifications. Accordingly, any Volatiles soil results that are less than 200 ug/Kg, including Non Detects, may be biased low, per ELAP method 5035 guidance document from 11/15/2012.

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 165582

Client: **C&S Companies**

Project Reference: 100 Dona Street

Sample Identifier:	TP-3		
Lab Sample ID:	165582-03	**Date Sampled:**	12/27/2016
Matrix:	Soil	**Date Received:**	12/29/2016

Metals

Analyte	Result	Units	Qualifier	Date Analyzed
Arsenic	**1.43**	mg/Kg		1/3/2017 13:15
Barium	**15.0**	mg/Kg		1/3/2017 13:15
Beryllium	**0.147**	mg/Kg	J	1/3/2017 13:15
Cadmium	< 0.279	mg/Kg		1/3/2017 13:15
Chromium	**5.09**	mg/Kg		1/3/2017 13:15
Copper	**8.02**	mg/Kg		1/3/2017 13:15
Lead	**4.74**	mg/Kg		1/3/2017 13:15
Manganese	**139**	mg/Kg	M	1/3/2017 13:15
Nickel	**6.74**	mg/Kg		1/3/2017 13:15
Selenium	**0.575**	mg/Kg	D	1/4/2017 21:08
Silver	< 0.558	mg/Kg		1/3/2017 13:15
Zinc	**46.6**	mg/Kg	D	1/3/2017 13:15

Method Reference(s): EPA 6010C
EPA 3050B
Preparation Date: 12/30/2016
Data File: 010317b

Report Prepared Thursday, January 05, 2017

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 165582

Client: **C&S Companies**

Project Reference: 100 Dona Street

Sample Identifier:	TP-3		
Lab Sample ID:	165582-03	**Date Sampled:**	12/27/2016
Matrix:	Soil	**Date Received:**	12/29/2016

Mercury

Analyte	Result	Units	Qualifier	Date Analyzed
Mercury	**0.00488**	mg/Kg	J	12/30/2016 14:01

Method Reference(s): EPA 7471B
Preparation Date: 12/30/2016
Data File: Hg161230A

FINAL

Report Prepared Thursday, January 05, 2017

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 165582

Client: **C&S Companies**

Project Reference: 100 Dona Street

Sample Identifier:	TP-3		
Lab Sample ID:	165582-03	**Date Sampled:**	12/27/2016
Matrix:	Soil	**Date Received:**	12/29/2016

PCBs

Analyte	Result	Units	Qualifier	Date Analyzed
PCB-1016	< 0.0326	mg/Kg		1/4/2017 00:18
PCB-1221	< 0.0326	mg/Kg		1/4/2017 00:18
PCB-1232	< 0.0326	mg/Kg		1/4/2017 00:18
PCB-1242	< 0.0326	mg/Kg		1/4/2017 00:18
PCB-1248	< 0.0326	mg/Kg		1/4/2017 00:18
PCB-1254	< 0.0326	mg/Kg		1/4/2017 00:18
PCB-1260	< 0.0326	mg/Kg		1/4/2017 00:18
PCB-1262	< 0.0326	mg/Kg		1/4/2017 00:18
PCB-1268	< 0.0326	mg/Kg		1/4/2017 00:18

Surrogate	Percent Recovery	Limits	Outliers	Date Analyzed
Decachlorobiphenyl	**88.7**	10 - 144		1/4/2017 00:18
Tetrachloro-m-xylene	**58.2**	10 - 140		1/4/2017 00:18

Method Reference(s): EPA 8082A
EPA 3550C

Preparation Date: 1/3/2017

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 165582

Client: **C&S Companies**

Project Reference: 100 Dona Street

Sample Identifier: TP-3
Lab Sample ID: 165582-03 **Date Sampled:** 12/27/2016
Matrix: Soil **Date Received:** 12/29/2016

Semi-Volatile Organics (Acid/Base Neutrals)

Analyte	Result	Units	Qualifier	Date Analyzed
1,1-Biphenyl	< 327	ug/Kg		12/30/2016 22:25
1,2,4,5-Tetrachlorobenzene	< 327	ug/Kg		12/30/2016 22:25
1,2,4-Trichlorobenzene	< 327	ug/Kg		12/30/2016 22:25
1,2-Dichlorobenzene	< 327	ug/Kg		12/30/2016 22:25
1,3-Dichlorobenzene	< 327	ug/Kg		12/30/2016 22:25
1,4-Dichlorobenzene	< 327	ug/Kg		12/30/2016 22:25
2,2-Oxybis (1-chloropropane)	< 327	ug/Kg		12/30/2016 22:25
2,3,4,6-Tetrachlorophenol	< 327	ug/Kg		12/30/2016 22:25
2,4,5-Trichlorophenol	< 653	ug/Kg		12/30/2016 22:25
2,4,6-Trichlorophenol	< 327	ug/Kg		12/30/2016 22:25
2,4-Dichlorophenol	< 327	ug/Kg		12/30/2016 22:25
2,4-Dimethylphenol	< 327	ug/Kg		12/30/2016 22:25
2,4-Dinitrophenol	< 653	ug/Kg		12/30/2016 22:25
2,4-Dinitrotoluene	< 327	ug/Kg		12/30/2016 22:25
2,6-Dinitrotoluene	< 327	ug/Kg		12/30/2016 22:25
2-Chloronaphthalene	< 327	ug/Kg		12/30/2016 22:25
2-Chlorophenol	< 327	ug/Kg		12/30/2016 22:25
2-Methylnapthalene	< 327	ug/Kg		12/30/2016 22:25
2-Methylphenol	< 327	ug/Kg		12/30/2016 22:25
2-Nitroaniline	< 653	ug/Kg		12/30/2016 22:25
2-Nitrophenol	< 327	ug/Kg		12/30/2016 22:25
3&4-Methylphenol	< 327	ug/Kg		12/30/2016 22:25
3,3'-Dichlorobenzidine	< 327	ug/Kg		12/30/2016 22:25
3-Nitroaniline	< 653	ug/Kg		12/30/2016 22:25
4,6-Dinitro-2-methylphenol	< 653	ug/Kg		12/30/2016 22:25
4-Bromophenyl phenyl ether	< 327	ug/Kg		12/30/2016 22:25
4-Chloro-3-methylphenol	< 327	ug/Kg		12/30/2016 22:25

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 165582

Client: **C&S Companies**

Project Reference: 100 Dona Street

Sample Identifier: TP-3
Lab Sample ID: 165582-03 **Date Sampled:** 12/27/2016
Matrix: Soil **Date Received:** 12/29/2016

4-Chloroaniline	< 327	ug/Kg	12/30/2016	22:25
4-Chlorophenyl phenyl ether	< 327	ug/Kg	12/30/2016	22:25
4-Nitroaniline	< 653	ug/Kg	12/30/2016	22:25
4-Nitrophenol	< 653	ug/Kg	12/30/2016	22:25
Acenaphthene	< 327	ug/Kg	12/30/2016	22:25
Acenaphthylene	< 327	ug/Kg	12/30/2016	22:25
Acetophenone	< 327	ug/Kg	12/30/2016	22:25
Anthracene	< 327	ug/Kg	12/30/2016	22:25
Atrazine	< 327	ug/Kg	12/30/2016	22:25
Benzaldehyde	< 327	ug/Kg	12/30/2016	22:25
Benzo (a) anthracene	< 327	ug/Kg	12/30/2016	22:25
Benzo (a) pyrene	< 327	ug/Kg	12/30/2016	22:25
Benzo (b) fluoranthene	< 327	ug/Kg	12/30/2016	22:25
Benzo (g,h,i) perylene	< 327	ug/Kg	12/30/2016	22:25
Benzo (k) fluoranthene	< 327	ug/Kg	12/30/2016	22:25
Bis (2-chloroethoxy) methane	< 327	ug/Kg	12/30/2016	22:25
Bis (2-chloroethyl) ether	< 327	ug/Kg	12/30/2016	22:25
Bis (2-ethylhexyl) phthalate	< 327	ug/Kg	12/30/2016	22:25
Butylbenzylphthalate	< 327	ug/Kg	12/30/2016	22:25
Caprolactam	< 327	ug/Kg	12/30/2016	22:25
Carbazole	< 327	ug/Kg	12/30/2016	22:25
Chrysene	< 327	ug/Kg	12/30/2016	22:25
Dibenz (a,h) anthracene	< 327	ug/Kg	12/30/2016	22:25
Dibenzofuran	< 327	ug/Kg	12/30/2016	22:25
Diethyl phthalate	< 327	ug/Kg	12/30/2016	22:25
Dimethyl phthalate	< 653	ug/Kg	12/30/2016	22:25
Di-n-butyl phthalate	< 327	ug/Kg	12/30/2016	22:25
Di-n-octylphthalate	< 327	ug/Kg	12/30/2016	22:25
Fluoranthene	< 327	ug/Kg	12/30/2016	22:25
Fluorene	< 327	ug/Kg	12/30/2016	22:25

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 165582

Client: **C&S Companies**

Project Reference: 100 Dona Street

Sample Identifier: TP-3
Lab Sample ID: 165582-03 **Date Sampled:** 12/27/2016
Matrix: Soil **Date Received:** 12/29/2016

Hexachlorobenzene	< 327	ug/Kg			12/30/2016 22:25
Hexachlorobutadiene	< 327	ug/Kg			12/30/2016 22:25
Hexachlorocyclopentadiene	< 327	ug/Kg			12/30/2016 22:25
Hexachloroethane	< 327	ug/Kg			12/30/2016 22:25
Indeno (1,2,3-cd) pyrene	< 327	ug/Kg			12/30/2016 22:25
Isophorone	< 327	ug/Kg			12/30/2016 22:25
Naphthalene	< 327	ug/Kg			12/30/2016 22:25
Nitrobenzene	< 327	ug/Kg			12/30/2016 22:25
N-Nitroso-di-n-propylamine	< 327	ug/Kg			12/30/2016 22:25
N-Nitrosodiphenylamine	< 327	ug/Kg			12/30/2016 22:25
Pentachlorophenol	< 653	ug/Kg			12/30/2016 22:25
Phenanthrene	< 327	ug/Kg			12/30/2016 22:25
Phenol	< 327	ug/Kg			12/30/2016 22:25
Pyrene	< 327	ug/Kg			12/30/2016 22:25

Surrogate	Percent Recovery	Limits	Outliers	Date Analyzed
2,4,6-Tribromophenol	**59.1**	38 - 114		12/30/2016 22:25
2-Fluorobiphenyl	**47.6**	25 - 105		12/30/2016 22:25
2-Fluorophenol	**42.6**	30.8 - 84		12/30/2016 22:25
Nitrobenzene-d5	**42.4**	28.5 - 84.9		12/30/2016 22:25
Phenol-d5	**44.9**	32.5 - 89.6		12/30/2016 22:25
Terphenyl-d14	**65.0**	55.5 - 117		12/30/2016 22:25

Method Reference(s): EPA 8270D
EPA 3550C
Preparation Date: 12/30/2016
Data File: B16291.D

Report Prepared Thursday, January 05, 2017

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 165582

Client: **C&S Companies**

Project Reference: 100 Dona Street

Sample Identifier: TP-3
Lab Sample ID: 165582-03 **Date Sampled:** 12/27/2016
Matrix: Soil **Date Received:** 12/29/2016

Volatile Organics

Analyte	Result	Units	Qualifier	Date Analyzed
1,1,1-Trichloroethane	< 3.78	ug/Kg		1/4/2017 15:18
1,1,2,2-Tetrachloroethane	< 3.78	ug/Kg		1/4/2017 15:18
1,1,2-Trichloroethane	< 3.78	ug/Kg		1/4/2017 15:18
1,1-Dichloroethane	< 3.78	ug/Kg		1/4/2017 15:18
1,1-Dichloroethene	< 3.78	ug/Kg		1/4/2017 15:18
1,2,3-Trichlorobenzene	< 9.45	ug/Kg		1/4/2017 15:18
1,2,4-Trichlorobenzene	< 9.45	ug/Kg		1/4/2017 15:18
1,2,4-Trimethylbenzene	< 3.78	ug/Kg		1/4/2017 15:18
1,2-Dibromo-3-Chloropropane	< 18.9	ug/Kg		1/4/2017 15:18
1,2-Dibromoethane	< 3.78	ug/Kg		1/4/2017 15:18
1,2-Dichlorobenzene	< 3.78	ug/Kg		1/4/2017 15:18
1,2-Dichloroethane	< 3.78	ug/Kg		1/4/2017 15:18
1,2-Dichloropropane	< 3.78	ug/Kg		1/4/2017 15:18
1,3,5-Trimethylbenzene	< 3.78	ug/Kg		1/4/2017 15:18
1,3-Dichlorobenzene	< 3.78	ug/Kg		1/4/2017 15:18
1,4-Dichlorobenzene	< 3.78	ug/Kg		1/4/2017 15:18
1,4-dioxane	< 37.8	ug/Kg		1/4/2017 15:18
2-Butanone	< 18.9	ug/Kg		1/4/2017 15:18
2-Hexanone	< 9.45	ug/Kg		1/4/2017 15:18
4-Methyl-2-pentanone	< 9.45	ug/Kg		1/4/2017 15:18
Acetone	< 18.9	ug/Kg		1/4/2017 15:18
Benzene	< 3.78	ug/Kg		1/4/2017 15:18
Bromochloromethane	< 9.45	ug/Kg		1/4/2017 15:18
Bromodichloromethane	< 3.78	ug/Kg		1/4/2017 15:18
Bromoform	< 9.45	ug/Kg		1/4/2017 15:18
Bromomethane	< 3.78	ug/Kg		1/4/2017 15:18
Carbon disulfide	< 3.78	ug/Kg		1/4/2017 15:18

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 165582

Client: **C&S Companies**

Project Reference: 100 Dona Street

Sample Identifier: TP-3
Lab Sample ID: 165582-03 **Date Sampled:** 12/27/2016
Matrix: Soil **Date Received:** 12/29/2016

Carbon Tetrachloride	< 3.78	ug/Kg	1/4/2017	15:18
Chlorobenzene	< 3.78	ug/Kg	1/4/2017	15:18
Chloroethane	< 3.78	ug/Kg	1/4/2017	15:18
Chloroform	< 3.78	ug/Kg	1/4/2017	15:18
Chloromethane	< 3.78	ug/Kg	1/4/2017	15:18
cis-1,2-Dichloroethene	< 3.78	ug/Kg	1/4/2017	15:18
cis-1,3-Dichloropropene	< 3.78	ug/Kg	1/4/2017	15:18
Cyclohexane	< 18.9	ug/Kg	1/4/2017	15:18
Dibromochloromethane	< 3.78	ug/Kg	1/4/2017	15:18
Dichlorodifluoromethane	< 3.78	ug/Kg	1/4/2017	15:18
Ethylbenzene	< 3.78	ug/Kg	1/4/2017	15:18
Freon 113	< 3.78	ug/Kg	1/4/2017	15:18
Isopropylbenzene	< 3.78	ug/Kg	1/4/2017	15:18
m,p-Xylene	< 3.78	ug/Kg	1/4/2017	15:18
Methyl acetate	< 3.78	ug/Kg	1/4/2017	15:18
Methyl tert-butyl Ether	< 3.78	ug/Kg	1/4/2017	15:18
Methylcyclohexane	< 3.78	ug/Kg	1/4/2017	15:18
Methylene chloride	< 9.45	ug/Kg	1/4/2017	15:18
Naphthalene	< 9.45	ug/Kg	1/4/2017	15:18
n-Butylbenzene	< 3.78	ug/Kg	1/4/2017	15:18
n-Propylbenzene	< 3.78	ug/Kg	1/4/2017	15:18
o-Xylene	< 3.78	ug/Kg	1/4/2017	15:18
p-Isopropyltoluene	< 3.78	ug/Kg	1/4/2017	15:18
sec-Butylbenzene	< 3.78	ug/Kg	1/4/2017	15:18
Styrene	< 9.45	ug/Kg	1/4/2017	15:18
tert-Butylbenzene	< 3.78	ug/Kg	1/4/2017	15:18
Tetrachloroethene	< 3.78	ug/Kg	1/4/2017	15:18
Toluene	< 3.78	ug/Kg	1/4/2017	15:18
trans-1,2-Dichloroethene	< 3.78	ug/Kg	1/4/2017	15:18
trans-1,3-Dichloropropene	< 3.78	ug/Kg	1/4/2017	15:18

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 165582

Client: **C&S Companies**

Project Reference: 100 Dona Street

Sample Identifier: TP-3
Lab Sample ID: 165582-03 **Date Sampled:** 12/27/2016
Matrix: Soil **Date Received:** 12/29/2016

Trichloroethene	**17.5**	ug/Kg	Z	1/4/2017	15:18
Trichlorofluoromethane	< 3.78	ug/Kg		1/4/2017	15:18
Vinyl chloride	< 3.78	ug/Kg		1/4/2017	15:18

Surrogate	Percent Recovery	Limits	Outliers	Date Analyzed	
1,2-Dichloroethane-d4	**105**	82 - 124		1/4/2017	15:18
4-Bromofluorobenzene	**91.1**	80.5 - 116		1/4/2017	15:18
Pentafluorobenzene	**95.5**	88.7 - 112		1/4/2017	15:18
Toluene-D8	**97.8**	79.1 - 120		1/4/2017	15:18

Method Reference(s): EPA 8260C
EPA 5035A - L
Data File: x38275.D

This sample was not collected following SW846 5035A specifications. Accordingly, any Volatiles soil results that are less than 200 ug/Kg, including Non Detects, may be biased low, per ELAP method 5035 guidance document from 11/15/2012.

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 165582

Client: **C&S Companies**

Project Reference: 100 Dona Street

Sample Identifier:	TP-6		
Lab Sample ID:	165582-04	**Date Sampled:**	12/27/2016
Matrix:	Soil	**Date Received:**	12/29/2016

Metals

Analyte	Result	Units	Qualifier	Date Analyzed
Arsenic	**3.73**	mg/Kg		1/3/2017 13:35
Barium	**27.8**	mg/Kg		1/3/2017 13:35
Beryllium	**0.417**	mg/Kg		1/3/2017 13:35
Cadmium	**0.209**	mg/Kg	J	1/3/2017 13:35
Chromium	**12.9**	mg/Kg		1/3/2017 13:35
Copper	**20.9**	mg/Kg		1/3/2017 13:35
Lead	**11.5**	mg/Kg		1/3/2017 13:35
Manganese	**271**	mg/Kg		1/3/2017 13:35
Nickel	**24.1**	mg/Kg		1/3/2017 13:35
Selenium	**0.972**	mg/Kg		1/4/2017 14:57
Silver	< 0.531	mg/Kg		1/3/2017 13:35
Zinc	**45.6**	mg/Kg		1/3/2017 13:35

Method Reference(s): EPA 6010C
EPA 3050B
Preparation Date: 12/30/2016
Data File: 010317b

Report Prepared Thursday, January 05, 2017

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 165582

Client: **C&S Companies**

Project Reference: 100 Dona Street

Sample Identifier:	TP-6		
Lab Sample ID:	165582-04	**Date Sampled:**	12/27/2016
Matrix:	Soil	**Date Received:**	12/29/2016

Mercury

Analyte	Result	Units	Qualifier	Date Analyzed
Mercury	**0.0108**	mg/Kg		12/30/2016 14:12

Method Reference(s): EPA 7471B
Preparation Date: 12/30/2016
Data File: Hg161230A

FINAL

This report is part of a multipage document and should only be evaluated in its entirety. The Chain of Custody provides additional sample information, including compliance with the sample condition requirements upon receipt.

Report Prepared Thursday, January 05, 2017

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 165582

Client: **C&S Companies**

Project Reference: 100 Dona Street

Sample Identifier: TP-6
Lab Sample ID: 165582-04 **Date Sampled:** 12/27/2016
Matrix: Soil **Date Received:** 12/29/2016

PCBs

Analyte	Result	Units	Qualifier	Date Analyzed
PCB-1016	< 0.0322	mg/Kg		1/4/2017 00:42
PCB-1221	< 0.0322	mg/Kg		1/4/2017 00:42
PCB-1232	< 0.0322	mg/Kg		1/4/2017 00:42
PCB-1242	< 0.0322	mg/Kg		1/4/2017 00:42
PCB-1248	< 0.0322	mg/Kg		1/4/2017 00:42
PCB-1254	< 0.0322	mg/Kg		1/4/2017 00:42
PCB-1260	< 0.0322	mg/Kg		1/4/2017 00:42
PCB-1262	< 0.0322	mg/Kg		1/4/2017 00:42
PCB-1268	< 0.0322	mg/Kg		1/4/2017 00:42

Surrogate	Percent Recovery	Limits	Outliers	Date Analyzed
Decachlorobiphenyl	**86.0**	10 - 144		1/4/2017 00:42
Tetrachloro-m-xylene	**59.9**	10 - 140		1/4/2017 00:42

Method Reference(s): EPA 8082A
EPA 3550C
Preparation Date: 1/3/2017

Report Prepared Thursday, January 05, 2017

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 165582

Client: **C&S Companies**

Project Reference: 100 Dona Street

Sample Identifier: TP-6
Lab Sample ID: 165582-04
Matrix: Soil

Date Sampled: 12/27/2016
Date Received: 12/29/2016

Semi-Volatile Organics (Acid/Base Neutrals)

Analyte	Result	Units	Qualifier	Date Analyzed
1,1-Biphenyl	< 324	ug/Kg		12/30/2016 22:54
1,2,4,5-Tetrachlorobenzene	< 324	ug/Kg		12/30/2016 22:54
1,2,4-Trichlorobenzene	< 324	ug/Kg		12/30/2016 22:54
1,2-Dichlorobenzene	< 324	ug/Kg		12/30/2016 22:54
1,3-Dichlorobenzene	< 324	ug/Kg		12/30/2016 22:54
1,4-Dichlorobenzene	< 324	ug/Kg		12/30/2016 22:54
2,2-Oxybis (1-chloropropane)	< 324	ug/Kg		12/30/2016 22:54
2,3,4,6-Tetrachlorophenol	< 324	ug/Kg		12/30/2016 22:54
2,4,5-Trichlorophenol	< 647	ug/Kg		12/30/2016 22:54
2,4,6-Trichlorophenol	< 324	ug/Kg		12/30/2016 22:54
2,4-Dichlorophenol	< 324	ug/Kg		12/30/2016 22:54
2,4-Dimethylphenol	< 324	ug/Kg		12/30/2016 22:54
2,4-Dinitrophenol	< 647	ug/Kg		12/30/2016 22:54
2,4-Dinitrotoluene	< 324	ug/Kg		12/30/2016 22:54
2,6-Dinitrotoluene	< 324	ug/Kg		12/30/2016 22:54
2-Chloronaphthalene	< 324	ug/Kg		12/30/2016 22:54
2-Chlorophenol	< 324	ug/Kg		12/30/2016 22:54
2-Methylnapthalene	< 324	ug/Kg		12/30/2016 22:54
2-Methylphenol	< 324	ug/Kg		12/30/2016 22:54
2-Nitroaniline	< 647	ug/Kg		12/30/2016 22:54
2-Nitrophenol	< 324	ug/Kg		12/30/2016 22:54
3&4-Methylphenol	< 324	ug/Kg		12/30/2016 22:54
3,3'-Dichlorobenzidine	< 324	ug/Kg		12/30/2016 22:54
3-Nitroaniline	< 647	ug/Kg		12/30/2016 22:54
4,6-Dinitro-2-methylphenol	< 647	ug/Kg		12/30/2016 22:54
4-Bromophenyl phenyl ether	< 324	ug/Kg		12/30/2016 22:54
4-Chloro-3-methylphenol	< 324	ug/Kg		12/30/2016 22:54

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 165582

Client: **C&S Companies**

Project Reference: 100 Dona Street

Sample Identifier: TP-6
Lab Sample ID: 165582-04
Matrix: Soil
Date Sampled: 12/27/2016
Date Received: 12/29/2016

4-Chloroaniline	< 324	ug/Kg	12/30/2016	22:54
4-Chlorophenyl phenyl ether	< 324	ug/Kg	12/30/2016	22:54
4-Nitroaniline	< 647	ug/Kg	12/30/2016	22:54
4-Nitrophenol	< 647	ug/Kg	12/30/2016	22:54
Acenaphthene	< 324	ug/Kg	12/30/2016	22:54
Acenaphthylene	< 324	ug/Kg	12/30/2016	22:54
Acetophenone	< 324	ug/Kg	12/30/2016	22:54
Anthracene	< 324	ug/Kg	12/30/2016	22:54
Atrazine	< 324	ug/Kg	12/30/2016	22:54
Benzaldehyde	< 324	ug/Kg	12/30/2016	22:54
Benzo (a) anthracene	< 324	ug/Kg	12/30/2016	22:54
Benzo (a) pyrene	< 324	ug/Kg	12/30/2016	22:54
Benzo (b) fluoranthene	< 324	ug/Kg	12/30/2016	22:54
Benzo (g,h,i) perylene	< 324	ug/Kg	12/30/2016	22:54
Benzo (k) fluoranthene	< 324	ug/Kg	12/30/2016	22:54
Bis (2-chloroethoxy) methane	< 324	ug/Kg	12/30/2016	22:54
Bis (2-chloroethyl) ether	< 324	ug/Kg	12/30/2016	22:54
Bis (2-ethylhexyl) phthalate	< 324	ug/Kg	12/30/2016	22:54
Butylbenzylphthalate	< 324	ug/Kg	12/30/2016	22:54
Caprolactam	< 324	ug/Kg	12/30/2016	22:54
Carbazole	< 324	ug/Kg	12/30/2016	22:54
Chrysene	< 324	ug/Kg	12/30/2016	22:54
Dibenz (a,h) anthracene	< 324	ug/Kg	12/30/2016	22:54
Dibenzofuran	< 324	ug/Kg	12/30/2016	22:54
Diethyl phthalate	< 324	ug/Kg	12/30/2016	22:54
Dimethyl phthalate	< 647	ug/Kg	12/30/2016	22:54
Di-n-butyl phthalate	< 324	ug/Kg	12/30/2016	22:54
Di-n-octylphthalate	< 324	ug/Kg	12/30/2016	22:54
Fluoranthene	< 324	ug/Kg	12/30/2016	22:54
Fluorene	< 324	ug/Kg	12/30/2016	22:54

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 165582

Client: **C&S Companies**

Project Reference: 100 Dona Street

Sample Identifier: TP-6
Lab Sample ID: 165582-04
Matrix: Soil
Date Sampled: 12/27/2016
Date Received: 12/29/2016

Hexachlorobenzene	< 324	ug/Kg	12/30/2016	22:54
Hexachlorobutadiene	< 324	ug/Kg	12/30/2016	22:54
Hexachlorocyclopentadiene	< 324	ug/Kg	12/30/2016	22:54
Hexachloroethane	< 324	ug/Kg	12/30/2016	22:54
Indeno (1,2,3-cd) pyrene	< 324	ug/Kg	12/30/2016	22:54
Isophorone	< 324	ug/Kg	12/30/2016	22:54
Naphthalene	< 324	ug/Kg	12/30/2016	22:54
Nitrobenzene	< 324	ug/Kg	12/30/2016	22:54
N-Nitroso-di-n-propylamine	< 324	ug/Kg	12/30/2016	22:54
N-Nitrosodiphenylamine	< 324	ug/Kg	12/30/2016	22:54
Pentachlorophenol	< 647	ug/Kg	12/30/2016	22:54
Phenanthrene	< 324	ug/Kg	12/30/2016	22:54
Phenol	< 324	ug/Kg	12/30/2016	22:54
Pyrene	< 324	ug/Kg	12/30/2016	22:54

Surrogate	Percent Recovery	Limits	Outliers	Date Analyzed	
2,4,6-Tribromophenol	**63.6**	38 - 114		12/30/2016	22:54
2-Fluorobiphenyl	**52.8**	25 - 105		12/30/2016	22:54
2-Fluorophenol	**46.5**	30.8 - 84		12/30/2016	22:54
Nitrobenzene-d5	**46.2**	28.5 - 84.9		12/30/2016	22:54
Phenol-d5	**48.9**	32.5 - 89.6		12/30/2016	22:54
Terphenyl-d14	**71.8**	55.5 - 117		12/30/2016	22:54

Method Reference(s): EPA 8270D
EPA 3550C
Preparation Date: 12/30/2016
Data File: B16292.D

Report Prepared Thursday, January 05, 2017

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 165582

Client: **C&S Companies**

Project Reference: 100 Dona Street

Sample Identifier: TP-6
Lab Sample ID: 165582-04 **Date Sampled:** 12/27/2016
Matrix: Soil **Date Received:** 12/29/2016

Volatile Organics

Analyte	Result	Units	Qualifier	Date Analyzed
1,1,1-Trichloroethane	< 4.33	ug/Kg		1/3/2017 17:13
1,1,2,2-Tetrachloroethane	< 4.33	ug/Kg		1/3/2017 17:13
1,1,2-Trichloroethane	< 4.33	ug/Kg		1/3/2017 17:13
1,1-Dichloroethane	< 4.33	ug/Kg		1/3/2017 17:13
1,1-Dichloroethene	< 4.33	ug/Kg		1/3/2017 17:13
1,2,3-Trichlorobenzene	< 10.8	ug/Kg		1/3/2017 17:13
1,2,4-Trichlorobenzene	< 10.8	ug/Kg		1/3/2017 17:13
1,2,4-Trimethylbenzene	< 4.33	ug/Kg		1/3/2017 17:13
1,2-Dibromo-3-Chloropropane	< 21.7	ug/Kg		1/3/2017 17:13
1,2-Dibromoethane	< 4.33	ug/Kg		1/3/2017 17:13
1,2-Dichlorobenzene	< 4.33	ug/Kg		1/3/2017 17:13
1,2-Dichloroethane	< 4.33	ug/Kg		1/3/2017 17:13
1,2-Dichloropropane	< 4.33	ug/Kg		1/3/2017 17:13
1,3,5-Trimethylbenzene	< 4.33	ug/Kg		1/3/2017 17:13
1,3-Dichlorobenzene	< 4.33	ug/Kg		1/3/2017 17:13
1,4-Dichlorobenzene	< 4.33	ug/Kg		1/3/2017 17:13
1,4-dioxane	< 43.3	ug/Kg		1/3/2017 17:13
2-Butanone	< 21.7	ug/Kg		1/3/2017 17:13
2-Hexanone	< 10.8	ug/Kg		1/3/2017 17:13
4-Methyl-2-pentanone	< 10.8	ug/Kg		1/3/2017 17:13
Acetone	< 21.7	ug/Kg		1/3/2017 17:13
Benzene	< 4.33	ug/Kg		1/3/2017 17:13
Bromochloromethane	< 10.8	ug/Kg		1/3/2017 17:13
Bromodichloromethane	< 4.33	ug/Kg		1/3/2017 17:13
Bromoform	< 10.8	ug/Kg		1/3/2017 17:13
Bromomethane	< 4.33	ug/Kg		1/3/2017 17:13
Carbon disulfide	< 4.33	ug/Kg		1/3/2017 17:13

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 165582

Client: **C&S Companies**

Project Reference: 100 Dona Street

Sample Identifier: TP-6
Lab Sample ID: 165582-04 **Date Sampled:** 12/27/2016
Matrix: Soil **Date Received:** 12/29/2016

Carbon Tetrachloride	< 4.33	ug/Kg	1/3/2017	17:13
Chlorobenzene	< 4.33	ug/Kg	1/3/2017	17:13
Chloroethane	< 4.33	ug/Kg	1/3/2017	17:13
Chloroform	< 4.33	ug/Kg	1/3/2017	17:13
Chloromethane	< 4.33	ug/Kg	1/3/2017	17:13
cis-1,2-Dichloroethene	< 4.33	ug/Kg	1/3/2017	17:13
cis-1,3-Dichloropropene	< 4.33	ug/Kg	1/3/2017	17:13
Cyclohexane	< 21.7	ug/Kg	1/3/2017	17:13
Dibromochloromethane	< 4.33	ug/Kg	1/3/2017	17:13
Dichlorodifluoromethane	< 4.33	ug/Kg	1/3/2017	17:13
Ethylbenzene	< 4.33	ug/Kg	1/3/2017	17:13
Freon 113	< 4.33	ug/Kg	1/3/2017	17:13
Isopropylbenzene	< 4.33	ug/Kg	1/3/2017	17:13
m,p-Xylene	< 4.33	ug/Kg	1/3/2017	17:13
Methyl acetate	< 4.33	ug/Kg	1/3/2017	17:13
Methyl tert-butyl Ether	< 4.33	ug/Kg	1/3/2017	17:13
Methylcyclohexane	< 4.33	ug/Kg	1/3/2017	17:13
Methylene chloride	< 10.8	ug/Kg	1/3/2017	17:13
Naphthalene	< 10.8	ug/Kg	1/3/2017	17:13
n-Butylbenzene	< 4.33	ug/Kg	1/3/2017	17:13
n-Propylbenzene	< 4.33	ug/Kg	1/3/2017	17:13
o-Xylene	< 4.33	ug/Kg	1/3/2017	17:13
p-Isopropyltoluene	< 4.33	ug/Kg	1/3/2017	17:13
sec-Butylbenzene	< 4.33	ug/Kg	1/3/2017	17:13
Styrene	< 10.8	ug/Kg	1/3/2017	17:13
tert-Butylbenzene	< 4.33	ug/Kg	1/3/2017	17:13
Tetrachloroethene	< 4.33	ug/Kg	1/3/2017	17:13
Toluene	< 4.33	ug/Kg	1/3/2017	17:13
trans-1,2-Dichloroethene	< 4.33	ug/Kg	1/3/2017	17:13
trans-1,3-Dichloropropene	< 4.33	ug/Kg	1/3/2017	17:13

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 165582

Client: **C&S Companies**

Project Reference: 100 Dona Street

Sample Identifier: TP-6
Lab Sample ID: 165582-04 **Date Sampled:** 12/27/2016
Matrix: Soil **Date Received:** 12/29/2016

Trichloroethene	**37.6**	ug/Kg	Z	1/3/2017	17:13
Trichlorofluoromethane	< 4.33	ug/Kg		1/3/2017	17:13
Vinyl chloride	< 4.33	ug/Kg		1/3/2017	17:13

Surrogate	Percent Recovery	Limits	Outliers	Date Analyzed	
1,2-Dichloroethane-d4	**105**	82 - 124		1/3/2017	17:13
4-Bromofluorobenzene	**88.8**	80.5 - 116		1/3/2017	17:13
Pentafluorobenzene	**92.3**	88.7 - 112		1/3/2017	17:13
Toluene-D8	**96.3**	79.1 - 120		1/3/2017	17:13

Method Reference(s): EPA 8260C
EPA 5035A - L
Data File: x38246.D

This sample was not collected following SW846 5035A specifications. Accordingly, any Volatiles soil results that are less than 200 ug/Kg, including Non Detects, may be biased low, per ELAP method 5035 guidance document from 11/15/2012.

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 165582

Client: **C&S Companies**

Project Reference: 100 Dona Street

Sample Identifier:	TP-7		
Lab Sample ID:	165582-05	**Date Sampled:**	12/27/2016
Matrix:	Soil	**Date Received:**	12/29/2016

Mercury

Analyte	Result	Units	Qualifier	Date Analyzed
Mercury	**0.0179**	mg/Kg		12/30/2016 14:24

Method Reference(s): EPA 7471B
Preparation Date: 12/30/2016
Data File: Hg161230A

FINAL

This report is part of a multipage document and should only be evaluated in its entirety. The Chain of Custody provides additional sample information, including compliance with the sample condition requirements upon receipt.

Report Prepared Thursday, January 05, 2017

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 165582

Client: **C&S Companies**

Project Reference: 100 Dona Street

Sample Identifier: TP-7
Lab Sample ID: 165582-05 **Date Sampled:** 12/27/2016
Matrix: Soil **Date Received:** 12/29/2016

TAL Metals (ICP)

Analyte	Result	Units	Qualifier	Date Analyzed
Aluminum	**5950**	mg/Kg		1/3/2017 13:40
Antimony	< 3.48	mg/Kg		1/3/2017 13:40
Arsenic	**3.98**	mg/Kg		1/3/2017 13:40
Barium	**25.3**	mg/Kg		1/3/2017 13:40
Beryllium	**0.283**	mg/Kg	J	1/3/2017 13:40
Cadmium	**0.161**	mg/Kg	J	1/3/2017 13:40
Calcium	**16200**	mg/Kg		1/3/2017 13:40
Chromium	**8.00**	mg/Kg		1/3/2017 13:40
Cobalt	**4.70**	mg/Kg		1/3/2017 13:40
Copper	**14.9**	mg/Kg		1/3/2017 13:40
Iron	**10500**	mg/Kg		1/3/2017 13:40
Lead	**9.34**	mg/Kg		1/3/2017 13:40
Magnesium	**4410**	mg/Kg		1/3/2017 13:40
Manganese	**247**	mg/Kg		1/3/2017 13:40
Nickel	**12.3**	mg/Kg		1/3/2017 13:40
Potassium	**865**	mg/Kg		1/3/2017 13:40
Selenium	< 0.580	mg/Kg		1/3/2017 13:40
Silver	< 0.580	mg/Kg		1/3/2017 13:40
Sodium	< 145	mg/Kg		1/3/2017 13:40
Thallium	< 1.45	mg/Kg		1/3/2017 13:40
Vanadium	**15.1**	mg/Kg		1/3/2017 13:40
Zinc	**39.0**	mg/Kg		1/3/2017 13:40

Method Reference(s): EPA 6010C
EPA 3050B
Preparation Date: 12/30/2016
Data File: 010317b

Report Prepared Thursday, January 05, 2017

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 165582

Client: **C&S Companies**

Project Reference: 100 Dona Street

Sample Identifier: TP-7
Lab Sample ID: 165582-05 **Date Sampled:** 12/27/2016
Matrix: Soil **Date Received:** 12/29/2016

PCBs

Analyte	Result	Units	Qualifier	Date Analyzed
PCB-1016	< 0.0329	mg/Kg		1/4/2017 01:52
PCB-1221	< 0.0329	mg/Kg		1/4/2017 01:52
PCB-1232	< 0.0329	mg/Kg		1/4/2017 01:52
PCB-1242	< 0.0329	mg/Kg		1/4/2017 01:52
PCB-1248	< 0.0329	mg/Kg		1/4/2017 01:52
PCB-1254	< 0.0329	mg/Kg		1/4/2017 01:52
PCB-1260	< 0.0329	mg/Kg		1/4/2017 01:52
PCB-1262	< 0.0329	mg/Kg		1/4/2017 01:52
PCB-1268	< 0.0329	mg/Kg		1/4/2017 01:52

Surrogate	Percent Recovery	Limits	Outliers	Date Analyzed
Decachlorobiphenyl	**86.4**	10 - 144		1/4/2017 01:52
Tetrachloro-m-xylene	**70.1**	10 - 140		1/4/2017 01:52

Method Reference(s): EPA 8082A
EPA 3550C
Preparation Date: 1/3/2017

Report Prepared Thursday, January 05, 2017

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 165582

Client: **C&S Companies**

Project Reference: 100 Dona Street

Sample Identifier: TP-7
Lab Sample ID: 165582-05 **Date Sampled:** 12/27/2016
Matrix: Soil **Date Received:** 12/29/2016

Semi-Volatile Organics (Acid/Base Neutrals)

Analyte	Result	Units	Qualifier	Date Analyzed
1,1-Biphenyl	< 335	ug/Kg		12/30/2016 23:24
1,2,4,5-Tetrachlorobenzene	< 335	ug/Kg		12/30/2016 23:24
1,2,4-Trichlorobenzene	< 335	ug/Kg		12/30/2016 23:24
1,2-Dichlorobenzene	< 335	ug/Kg		12/30/2016 23:24
1,3-Dichlorobenzene	< 335	ug/Kg		12/30/2016 23:24
1,4-Dichlorobenzene	< 335	ug/Kg		12/30/2016 23:24
2,2-Oxybis (1-chloropropane)	< 335	ug/Kg		12/30/2016 23:24
2,3,4,6-Tetrachlorophenol	< 335	ug/Kg		12/30/2016 23:24
2,4,5-Trichlorophenol	< 669	ug/Kg		12/30/2016 23:24
2,4,6-Trichlorophenol	< 335	ug/Kg		12/30/2016 23:24
2,4-Dichlorophenol	< 335	ug/Kg		12/30/2016 23:24
2,4-Dimethylphenol	< 335	ug/Kg		12/30/2016 23:24
2,4-Dinitrophenol	< 669	ug/Kg		12/30/2016 23:24
2,4-Dinitrotoluene	< 335	ug/Kg		12/30/2016 23:24
2,6-Dinitrotoluene	< 335	ug/Kg		12/30/2016 23:24
2-Chloronaphthalene	< 335	ug/Kg		12/30/2016 23:24
2-Chlorophenol	< 335	ug/Kg		12/30/2016 23:24
2-Methylnapthalene	< 335	ug/Kg		12/30/2016 23:24
2-Methylphenol	< 335	ug/Kg		12/30/2016 23:24
2-Nitroaniline	< 669	ug/Kg		12/30/2016 23:24
2-Nitrophenol	< 335	ug/Kg		12/30/2016 23:24
3&4-Methylphenol	< 335	ug/Kg		12/30/2016 23:24
3,3'-Dichlorobenzidine	< 335	ug/Kg		12/30/2016 23:24
3-Nitroaniline	< 669	ug/Kg		12/30/2016 23:24
4,6-Dinitro-2-methylphenol	< 669	ug/Kg		12/30/2016 23:24
4-Bromophenyl phenyl ether	< 335	ug/Kg		12/30/2016 23:24
4-Chloro-3-methylphenol	< 335	ug/Kg		12/30/2016 23:24

Report Prepared Thursday, January 05, 2017

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 165582

Client: **C&S Companies**

Project Reference: 100 Dona Street

Sample Identifier: TP-7
Lab Sample ID: 165582-05
Matrix: Soil
Date Sampled: 12/27/2016
Date Received: 12/29/2016

4-Chloroaniline	< 335	ug/Kg	12/30/2016	23:24
4-Chlorophenyl phenyl ether	< 335	ug/Kg	12/30/2016	23:24
4-Nitroaniline	< 669	ug/Kg	12/30/2016	23:24
4-Nitrophenol	< 669	ug/Kg	12/30/2016	23:24
Acenaphthene	< 335	ug/Kg	12/30/2016	23:24
Acenaphthylene	< 335	ug/Kg	12/30/2016	23:24
Acetophenone	< 335	ug/Kg	12/30/2016	23:24
Anthracene	< 335	ug/Kg	12/30/2016	23:24
Atrazine	< 335	ug/Kg	12/30/2016	23:24
Benzaldehyde	< 335	ug/Kg	12/30/2016	23:24
Benzo (a) anthracene	< 335	ug/Kg	12/30/2016	23:24
Benzo (a) pyrene	< 335	ug/Kg	12/30/2016	23:24
Benzo (b) fluoranthene	< 335	ug/Kg	12/30/2016	23:24
Benzo (g,h,i) perylene	< 335	ug/Kg	12/30/2016	23:24
Benzo (k) fluoranthene	< 335	ug/Kg	12/30/2016	23:24
Bis (2-chloroethoxy) methane	< 335	ug/Kg	12/30/2016	23:24
Bis (2-chloroethyl) ether	< 335	ug/Kg	12/30/2016	23:24
Bis (2-ethylhexyl) phthalate	< 335	ug/Kg	12/30/2016	23:24
Butylbenzylphthalate	< 335	ug/Kg	12/30/2016	23:24
Caprolactam	< 335	ug/Kg	12/30/2016	23:24
Carbazole	< 335	ug/Kg	12/30/2016	23:24
Chrysene	< 335	ug/Kg	12/30/2016	23:24
Dibenz (a,h) anthracene	< 335	ug/Kg	12/30/2016	23:24
Dibenzofuran	< 335	ug/Kg	12/30/2016	23:24
Diethyl phthalate	< 335	ug/Kg	12/30/2016	23:24
Dimethyl phthalate	< 669	ug/Kg	12/30/2016	23:24
Di-n-butyl phthalate	< 335	ug/Kg	12/30/2016	23:24
Di-n-octylphthalate	< 335	ug/Kg	12/30/2016	23:24
Fluoranthene	< 335	ug/Kg	12/30/2016	23:24
Fluorene	< 335	ug/Kg	12/30/2016	23:24

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 165582

Client: **C&S Companies**

Project Reference: 100 Dona Street

Sample Identifier: TP-7
Lab Sample ID: 165582-05
Matrix: Soil
Date Sampled: 12/27/2016
Date Received: 12/29/2016

Hexachlorobenzene	< 335	ug/Kg		12/30/2016 23:24
Hexachlorobutadiene	< 335	ug/Kg		12/30/2016 23:24
Hexachlorocyclopentadiene	< 335	ug/Kg		12/30/2016 23:24
Hexachloroethane	< 335	ug/Kg		12/30/2016 23:24
Indeno (1,2,3-cd) pyrene	< 335	ug/Kg		12/30/2016 23:24
Isophorone	< 335	ug/Kg		12/30/2016 23:24
Naphthalene	< 335	ug/Kg		12/30/2016 23:24
Nitrobenzene	< 335	ug/Kg		12/30/2016 23:24
N-Nitroso-di-n-propylamine	< 335	ug/Kg		12/30/2016 23:24
N-Nitrosodiphenylamine	< 335	ug/Kg		12/30/2016 23:24
Pentachlorophenol	< 669	ug/Kg		12/30/2016 23:24
Phenanthrene	< 335	ug/Kg		12/30/2016 23:24
Phenol	< 335	ug/Kg		12/30/2016 23:24
Pyrene	< 335	ug/Kg		12/30/2016 23:24

Surrogate	Percent Recovery	Limits	Outliers	Date Analyzed
2,4,6-Tribromophenol	**69.0**	38 - 114		12/30/2016 23:24
2-Fluorobiphenyl	**56.3**	25 - 105		12/30/2016 23:24
2-Fluorophenol	**49.9**	30.8 - 84		12/30/2016 23:24
Nitrobenzene-d5	**50.5**	28.5 - 84.9		12/30/2016 23:24
Phenol-d5	**52.7**	32.5 - 89.6		12/30/2016 23:24
Terphenyl-d14	**79.3**	55.5 - 117		12/30/2016 23:24

Method Reference(s): EPA 8270D
EPA 3550C
Preparation Date: 12/30/2016
Data File: B16293.D

Report Prepared Thursday, January 05, 2017

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 165582

Client: **C&S Companies**

Project Reference: 100 Dona Street

Sample Identifier: TP-7
Lab Sample ID: 165582-05 **Date Sampled:** 12/27/2016
Matrix: Soil **Date Received:** 12/29/2016

Volatile Organics

Analyte	Result	Units	Qualifier	Date Analyzed
1,1,1-Trichloroethane	< 4.56	ug/Kg		1/3/2017 17:38
1,1,2,2-Tetrachloroethane	< 4.56	ug/Kg		1/3/2017 17:38
1,1,2-Trichloroethane	< 4.56	ug/Kg		1/3/2017 17:38
1,1-Dichloroethane	< 4.56	ug/Kg		1/3/2017 17:38
1,1-Dichloroethene	< 4.56	ug/Kg		1/3/2017 17:38
1,2,3-Trichlorobenzene	< 11.4	ug/Kg		1/3/2017 17:38
1,2,4-Trichlorobenzene	< 11.4	ug/Kg		1/3/2017 17:38
1,2-Dibromo-3-Chloropropane	< 22.8	ug/Kg		1/3/2017 17:38
1,2-Dibromoethane	< 4.56	ug/Kg		1/3/2017 17:38
1,2-Dichlorobenzene	< 4.56	ug/Kg		1/3/2017 17:38
1,2-Dichloroethane	< 4.56	ug/Kg		1/3/2017 17:38
1,2-Dichloropropane	< 4.56	ug/Kg		1/3/2017 17:38
1,3-Dichlorobenzene	< 4.56	ug/Kg		1/3/2017 17:38
1,4-Dichlorobenzene	< 4.56	ug/Kg		1/3/2017 17:38
1,4-dioxane	< 45.6	ug/Kg		1/3/2017 17:38
2-Butanone	< 22.8	ug/Kg		1/3/2017 17:38
2-Hexanone	< 11.4	ug/Kg		1/3/2017 17:38
4-Methyl-2-pentanone	< 11.4	ug/Kg		1/3/2017 17:38
Acetone	< 22.8	ug/Kg		1/3/2017 17:38
Benzene	< 4.56	ug/Kg		1/3/2017 17:38
Bromochloromethane	< 11.4	ug/Kg		1/3/2017 17:38
Bromodichloromethane	< 4.56	ug/Kg		1/3/2017 17:38
Bromoform	< 11.4	ug/Kg		1/3/2017 17:38
Bromomethane	< 4.56	ug/Kg		1/3/2017 17:38
Carbon disulfide	< 4.56	ug/Kg		1/3/2017 17:38
Carbon Tetrachloride	< 4.56	ug/Kg		1/3/2017 17:38
Chlorobenzene	< 4.56	ug/Kg		1/3/2017 17:38

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 165582

Client: **C&S Companies**

Project Reference: 100 Dona Street

Sample Identifier: TP-7
Lab Sample ID: 165582-05
Matrix: Soil
Date Sampled: 12/27/2016
Date Received: 12/29/2016

Chloroethane	< 4.56	ug/Kg		1/3/2017	17:38
Chloroform	< 4.56	ug/Kg		1/3/2017	17:38
Chloromethane	< 4.56	ug/Kg		1/3/2017	17:38
cis-1,2-Dichloroethene	< 4.56	ug/Kg		1/3/2017	17:38
cis-1,3-Dichloropropene	< 4.56	ug/Kg		1/3/2017	17:38
Cyclohexane	< 22.8	ug/Kg		1/3/2017	17:38
Dibromochloromethane	< 4.56	ug/Kg		1/3/2017	17:38
Dichlorodifluoromethane	< 4.56	ug/Kg		1/3/2017	17:38
Ethylbenzene	< 4.56	ug/Kg		1/3/2017	17:38
Freon 113	< 4.56	ug/Kg		1/3/2017	17:38
Isopropylbenzene	< 4.56	ug/Kg		1/3/2017	17:38
m,p-Xylene	< 4.56	ug/Kg		1/3/2017	17:38
Methyl acetate	< 4.56	ug/Kg		1/3/2017	17:38
Methyl tert-butyl Ether	< 4.56	ug/Kg		1/3/2017	17:38
Methylcyclohexane	< 4.56	ug/Kg		1/3/2017	17:38
Methylene chloride	< 11.4	ug/Kg		1/3/2017	17:38
o-Xylene	< 4.56	ug/Kg		1/3/2017	17:38
Styrene	< 11.4	ug/Kg		1/3/2017	17:38
Tetrachloroethene	< 4.56	ug/Kg		1/3/2017	17:38
Toluene	< 4.56	ug/Kg		1/3/2017	17:38
trans-1,2-Dichloroethene	< 4.56	ug/Kg		1/3/2017	17:38
trans-1,3-Dichloropropene	< 4.56	ug/Kg		1/3/2017	17:38
Trichloroethene	**28.1**	ug/Kg	Z	1/3/2017	17:38
Trichlorofluoromethane	< 4.56	ug/Kg		1/3/2017	17:38
Vinyl chloride	< 4.56	ug/Kg		1/3/2017	17:38

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 165582

Client: **C&S Companies**

Project Reference: 100 Dona Street

Sample Identifier: TP-7
Lab Sample ID: 165582-05 **Date Sampled:** 12/27/2016
Matrix: Soil **Date Received:** 12/29/2016

Surrogate	Percent Recovery	Limits	Outliers	Date Analyzed	
1,2-Dichloroethane-d4	**105**	82 - 124		1/3/2017	17:38
4-Bromofluorobenzene	**89.7**	80.5 - 116		1/3/2017	17:38
Pentafluorobenzene	**93.4**	88.7 - 112		1/3/2017	17:38
Toluene-D8	**97.0**	79.1 - 120		1/3/2017	17:38

Method Reference(s): EPA 8260C
EPA 5035A - L
Data File: x38247.D

This sample was not collected following SW846 5035A specifications. Accordingly, any Volatiles soil results that are less than 200 ug/Kg, including Non Detects, may be biased low, per ELAP method 5035 guidance document from 11/15/2012.

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 165582

Client: **C&S Companies**

Project Reference: 100 Dona Street

Sample Identifier:	TP-8		
Lab Sample ID:	165582-06	**Date Sampled:**	12/27/2016
Matrix:	Soil	**Date Received:**	12/29/2016

Mercury

Analyte	Result	Units	Qualifier	Date Analyzed
Mercury	**0.0449**	mg/Kg		12/30/2016 14:27

Method Reference(s): EPA 7471B
Preparation Date: 12/30/2016
Data File: Hg161230A

FINAL

Report Prepared Thursday, January 05, 2017

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 165582

Client: **C&S Companies**

Project Reference: 100 Dona Street

Sample Identifier: TP-8
Lab Sample ID: 165582-06 **Date Sampled:** 12/27/2016
Matrix: Soil **Date Received:** 12/29/2016

TAL Metals (ICP)

Analyte	Result	Units	Qualifier	Date Analyzed
Aluminum	**7160**	mg/Kg		1/3/2017 13:44
Antimony	< 3.31	mg/Kg		1/3/2017 13:44
Arsenic	**4.25**	mg/Kg		1/3/2017 13:44
Barium	**31.5**	mg/Kg		1/3/2017 13:44
Beryllium	**0.302**	mg/Kg		1/3/2017 13:44
Cadmium	**0.272**	mg/Kg	J	1/3/2017 13:44
Calcium	**44500**	mg/Kg		1/3/2017 14:31
Chromium	**9.54**	mg/Kg		1/3/2017 13:44
Cobalt	**4.49**	mg/Kg		1/3/2017 13:44
Copper	**14.0**	mg/Kg		1/3/2017 13:44
Iron	**11000**	mg/Kg		1/3/2017 13:44
Lead	**15.9**	mg/Kg		1/3/2017 13:44
Magnesium	**7700**	mg/Kg		1/3/2017 13:44
Manganese	**233**	mg/Kg		1/3/2017 13:44
Nickel	**12.3**	mg/Kg		1/3/2017 13:44
Potassium	**823**	mg/Kg		1/3/2017 13:44
Selenium	**0.800**	mg/Kg		1/4/2017 15:10
Silver	< 0.552	mg/Kg		1/3/2017 13:44
Sodium	**108**	mg/Kg	J	1/3/2017 13:44
Thallium	**1.25**	mg/Kg	J	1/3/2017 13:44
Vanadium	**15.9**	mg/Kg		1/3/2017 13:44
Zinc	**52.5**	mg/Kg		1/3/2017 13:44

Method Reference(s): EPA 6010C
EPA 3050B
Preparation Date: 12/30/2016
Data File: 010317b

Report Prepared Thursday, January 05, 2017

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 165582

Client: **C&S Companies**

Project Reference: 100 Dona Street

Sample Identifier: TP-8
Lab Sample ID: 165582-06 **Date Sampled:** 12/27/2016
Matrix: Soil **Date Received:** 12/29/2016

PCBs

Analyte	Result	Units	Qualifier	Date Analyzed
PCB-1016	< 0.0326	mg/Kg		1/4/2017 02:15
PCB-1221	< 0.0326	mg/Kg		1/4/2017 02:15
PCB-1232	< 0.0326	mg/Kg		1/4/2017 02:15
PCB-1242	< 0.0326	mg/Kg		1/4/2017 02:15
PCB-1248	< 0.0326	mg/Kg		1/4/2017 02:15
PCB-1254	< 0.0326	mg/Kg		1/4/2017 02:15
PCB-1260	< 0.0326	mg/Kg		1/4/2017 02:15
PCB-1262	< 0.0326	mg/Kg		1/4/2017 02:15
PCB-1268	< 0.0326	mg/Kg		1/4/2017 02:15

Surrogate	Percent Recovery	Limits	Outliers	Date Analyzed
Decachlorobiphenyl	**95.9**	10 - 144		1/4/2017 02:15
Tetrachloro-m-xylene	**67.9**	10 - 140		1/4/2017 02:15

Method Reference(s): EPA 8082A
EPA 3550C
Preparation Date: 1/3/2017

Report Prepared Thursday, January 05, 2017

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 165582

Client: **C&S Companies**

Project Reference: 100 Dona Street

Sample Identifier: TP-8
Lab Sample ID: 165582-06
Matrix: Soil
Date Sampled: 12/27/2016
Date Received: 12/29/2016

Semi-Volatile Organics (Acid/Base Neutrals)

Analyte	Result	Units	Qualifier	Date Analyzed
1,1-Biphenyl	< 330	ug/Kg		12/30/2016 23:53
1,2,4,5-Tetrachlorobenzene	< 330	ug/Kg		12/30/2016 23:53
1,2,4-Trichlorobenzene	< 330	ug/Kg		12/30/2016 23:53
1,2-Dichlorobenzene	< 330	ug/Kg		12/30/2016 23:53
1,3-Dichlorobenzene	< 330	ug/Kg		12/30/2016 23:53
1,4-Dichlorobenzene	< 330	ug/Kg		12/30/2016 23:53
2,2-Oxybis (1-chloropropane)	< 330	ug/Kg		12/30/2016 23:53
2,3,4,6-Tetrachlorophenol	< 330	ug/Kg		12/30/2016 23:53
2,4,5-Trichlorophenol	< 660	ug/Kg		12/30/2016 23:53
2,4,6-Trichlorophenol	< 330	ug/Kg		12/30/2016 23:53
2,4-Dichlorophenol	< 330	ug/Kg		12/30/2016 23:53
2,4-Dimethylphenol	< 330	ug/Kg		12/30/2016 23:53
2,4-Dinitrophenol	< 660	ug/Kg		12/30/2016 23:53
2,4-Dinitrotoluene	< 330	ug/Kg		12/30/2016 23:53
2,6-Dinitrotoluene	< 330	ug/Kg		12/30/2016 23:53
2-Chloronaphthalene	< 330	ug/Kg		12/30/2016 23:53
2-Chlorophenol	< 330	ug/Kg		12/30/2016 23:53
2-Methylnapthalene	< 330	ug/Kg		12/30/2016 23:53
2-Methylphenol	< 330	ug/Kg		12/30/2016 23:53
2-Nitroaniline	< 660	ug/Kg		12/30/2016 23:53
2-Nitrophenol	< 330	ug/Kg		12/30/2016 23:53
3&4-Methylphenol	< 330	ug/Kg		12/30/2016 23:53
3,3'-Dichlorobenzidine	< 330	ug/Kg		12/30/2016 23:53
3-Nitroaniline	< 660	ug/Kg		12/30/2016 23:53
4,6-Dinitro-2-methylphenol	< 660	ug/Kg		12/30/2016 23:53
4-Bromophenyl phenyl ether	< 330	ug/Kg		12/30/2016 23:53
4-Chloro-3-methylphenol	< 330	ug/Kg		12/30/2016 23:53

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 165582

Client: **C&S Companies**

Project Reference: 100 Dona Street

Sample Identifier: TP-8
Lab Sample ID: 165582-06
Matrix: Soil
Date Sampled: 12/27/2016
Date Received: 12/29/2016

4-Chloroaniline	< 330	ug/Kg	12/30/2016	23:53
4-Chlorophenyl phenyl ether	< 330	ug/Kg	12/30/2016	23:53
4-Nitroaniline	< 660	ug/Kg	12/30/2016	23:53
4-Nitrophenol	< 660	ug/Kg	12/30/2016	23:53
Acenaphthene	< 330	ug/Kg	12/30/2016	23:53
Acenaphthylene	< 330	ug/Kg	12/30/2016	23:53
Acetophenone	< 330	ug/Kg	12/30/2016	23:53
Anthracene	< 330	ug/Kg	12/30/2016	23:53
Atrazine	< 330	ug/Kg	12/30/2016	23:53
Benzaldehyde	< 330	ug/Kg	12/30/2016	23:53
Benzo (a) anthracene	< 330	ug/Kg	12/30/2016	23:53
Benzo (a) pyrene	< 330	ug/Kg	12/30/2016	23:53
Benzo (b) fluoranthene	< 330	ug/Kg	12/30/2016	23:53
Benzo (g,h,i) perylene	< 330	ug/Kg	12/30/2016	23:53
Benzo (k) fluoranthene	< 330	ug/Kg	12/30/2016	23:53
Bis (2-chloroethoxy) methane	< 330	ug/Kg	12/30/2016	23:53
Bis (2-chloroethyl) ether	< 330	ug/Kg	12/30/2016	23:53
Bis (2-ethylhexyl) phthalate	< 330	ug/Kg	12/30/2016	23:53
Butylbenzylphthalate	< 330	ug/Kg	12/30/2016	23:53
Caprolactam	< 330	ug/Kg	12/30/2016	23:53
Carbazole	< 330	ug/Kg	12/30/2016	23:53
Chrysene	< 330	ug/Kg	12/30/2016	23:53
Dibenz (a,h) anthracene	< 330	ug/Kg	12/30/2016	23:53
Dibenzofuran	< 330	ug/Kg	12/30/2016	23:53
Diethyl phthalate	< 330	ug/Kg	12/30/2016	23:53
Dimethyl phthalate	< 660	ug/Kg	12/30/2016	23:53
Di-n-butyl phthalate	< 330	ug/Kg	12/30/2016	23:53
Di-n-octylphthalate	< 330	ug/Kg	12/30/2016	23:53
Fluoranthene	< 330	ug/Kg	12/30/2016	23:53
Fluorene	< 330	ug/Kg	12/30/2016	23:53

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 165582

Client: **C&S Companies**

Project Reference: 100 Dona Street

Sample Identifier: TP-8
Lab Sample ID: 165582-06
Matrix: Soil
Date Sampled: 12/27/2016
Date Received: 12/29/2016

Hexachlorobenzene	< 330	ug/Kg			12/30/2016 23:53
Hexachlorobutadiene	< 330	ug/Kg			12/30/2016 23:53
Hexachlorocyclopentadiene	< 330	ug/Kg			12/30/2016 23:53
Hexachloroethane	< 330	ug/Kg			12/30/2016 23:53
Indeno (1,2,3-cd) pyrene	< 330	ug/Kg			12/30/2016 23:53
Isophorone	< 330	ug/Kg			12/30/2016 23:53
Naphthalene	< 330	ug/Kg			12/30/2016 23:53
Nitrobenzene	< 330	ug/Kg			12/30/2016 23:53
N-Nitroso-di-n-propylamine	< 330	ug/Kg			12/30/2016 23:53
N-Nitrosodiphenylamine	< 330	ug/Kg			12/30/2016 23:53
Pentachlorophenol	< 660	ug/Kg			12/30/2016 23:53
Phenanthrene	< 330	ug/Kg			12/30/2016 23:53
Phenol	< 330	ug/Kg			12/30/2016 23:53
Pyrene	< 330	ug/Kg			12/30/2016 23:53

Surrogate	Percent Recovery	Limits	Outliers	Date Analyzed
2,4,6-Tribromophenol	**72.0**	38 - 114		12/30/2016 23:53
2-Fluorobiphenyl	**55.4**	25 - 105		12/30/2016 23:53
2-Fluorophenol	**47.8**	30.8 - 84		12/30/2016 23:53
Nitrobenzene-d5	**49.4**	28.5 - 84.9		12/30/2016 23:53
Phenol-d5	**50.7**	32.5 - 89.6		12/30/2016 23:53
Terphenyl-d14	**78.7**	55.5 - 117		12/30/2016 23:53

Method Reference(s): EPA 8270D
EPA 3550C
Preparation Date: 12/30/2016
Data File: B16294.D

Report Prepared Thursday, January 05, 2017

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 165582

Client: **C&S Companies**

Project Reference: 100 Dona Street

Sample Identifier: TP-8
Lab Sample ID: 165582-06 **Date Sampled:** 12/27/2016
Matrix: Soil **Date Received:** 12/29/2016

Volatile Organics

Analyte	Result	Units	Qualifier	Date Analyzed
1,1,1-Trichloroethane	< 4.04	ug/Kg		1/3/2017 18:02
1,1,2,2-Tetrachloroethane	< 4.04	ug/Kg		1/3/2017 18:02
1,1,2-Trichloroethane	< 4.04	ug/Kg		1/3/2017 18:02
1,1-Dichloroethane	< 4.04	ug/Kg		1/3/2017 18:02
1,1-Dichloroethene	< 4.04	ug/Kg		1/3/2017 18:02
1,2,3-Trichlorobenzene	< 10.1	ug/Kg		1/3/2017 18:02
1,2,4-Trichlorobenzene	< 10.1	ug/Kg		1/3/2017 18:02
1,2-Dibromo-3-Chloropropane	< 20.2	ug/Kg		1/3/2017 18:02
1,2-Dibromoethane	< 4.04	ug/Kg		1/3/2017 18:02
1,2-Dichlorobenzene	< 4.04	ug/Kg		1/3/2017 18:02
1,2-Dichloroethane	< 4.04	ug/Kg		1/3/2017 18:02
1,2-Dichloropropane	< 4.04	ug/Kg		1/3/2017 18:02
1,3-Dichlorobenzene	< 4.04	ug/Kg		1/3/2017 18:02
1,4-Dichlorobenzene	< 4.04	ug/Kg		1/3/2017 18:02
1,4-dioxane	< 40.4	ug/Kg		1/3/2017 18:02
2-Butanone	< 20.2	ug/Kg		1/3/2017 18:02
2-Hexanone	< 10.1	ug/Kg		1/3/2017 18:02
4-Methyl-2-pentanone	< 10.1	ug/Kg		1/3/2017 18:02
Acetone	< 20.2	ug/Kg		1/3/2017 18:02
Benzene	< 4.04	ug/Kg		1/3/2017 18:02
Bromochloromethane	< 10.1	ug/Kg		1/3/2017 18:02
Bromodichloromethane	< 4.04	ug/Kg		1/3/2017 18:02
Bromoform	< 10.1	ug/Kg		1/3/2017 18:02
Bromomethane	< 4.04	ug/Kg		1/3/2017 18:02
Carbon disulfide	< 4.04	ug/Kg		1/3/2017 18:02
Carbon Tetrachloride	< 4.04	ug/Kg		1/3/2017 18:02
Chlorobenzene	< 4.04	ug/Kg		1/3/2017 18:02

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 165582

Client: **C&S Companies**

Project Reference: 100 Dona Street

Sample Identifier: TP-8
Lab Sample ID: 165582-06
Matrix: Soil
Date Sampled: 12/27/2016
Date Received: 12/29/2016

Chloroethane	< 4.04	ug/Kg		1/3/2017	18:02
Chloroform	< 4.04	ug/Kg		1/3/2017	18:02
Chloromethane	< 4.04	ug/Kg		1/3/2017	18:02
cis-1,2-Dichloroethene	< 4.04	ug/Kg		1/3/2017	18:02
cis-1,3-Dichloropropene	< 4.04	ug/Kg		1/3/2017	18:02
Cyclohexane	< 20.2	ug/Kg		1/3/2017	18:02
Dibromochloromethane	< 4.04	ug/Kg		1/3/2017	18:02
Dichlorodifluoromethane	< 4.04	ug/Kg		1/3/2017	18:02
Ethylbenzene	< 4.04	ug/Kg		1/3/2017	18:02
Freon 113	< 4.04	ug/Kg		1/3/2017	18:02
Isopropylbenzene	< 4.04	ug/Kg		1/3/2017	18:02
m,p-Xylene	< 4.04	ug/Kg		1/3/2017	18:02
Methyl acetate	< 4.04	ug/Kg		1/3/2017	18:02
Methyl tert-butyl Ether	< 4.04	ug/Kg		1/3/2017	18:02
Methylcyclohexane	< 4.04	ug/Kg		1/3/2017	18:02
Methylene chloride	< 10.1	ug/Kg		1/3/2017	18:02
o-Xylene	< 4.04	ug/Kg		1/3/2017	18:02
Styrene	< 10.1	ug/Kg		1/3/2017	18:02
Tetrachloroethene	< 4.04	ug/Kg		1/3/2017	18:02
Toluene	< 4.04	ug/Kg		1/3/2017	18:02
trans-1,2-Dichloroethene	< 4.04	ug/Kg		1/3/2017	18:02
trans-1,3-Dichloropropene	< 4.04	ug/Kg		1/3/2017	18:02
Trichloroethene	**28.4**	ug/Kg	Z	1/3/2017	18:02
Trichlorofluoromethane	< 4.04	ug/Kg		1/3/2017	18:02
Vinyl chloride	< 4.04	ug/Kg		1/3/2017	18:02

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 165582

Client: **C&S Companies**

Project Reference: 100 Dona Street

Sample Identifier: TP-8
Lab Sample ID: 165582-06 **Date Sampled:** 12/27/2016
Matrix: Soil **Date Received:** 12/29/2016

Surrogate	Percent Recovery	Limits	Outliers	Date Analyzed	
1,2-Dichloroethane-d4	**106**	82 - 124		1/3/2017	18:02
4-Bromofluorobenzene	**91.0**	80.5 - 116		1/3/2017	18:02
Pentafluorobenzene	**93.4**	88.7 - 112		1/3/2017	18:02
Toluene-D8	**96.5**	79.1 - 120		1/3/2017	18:02

Method Reference(s): EPA 8260C
EPA 5035A - L
Data File: x38248.D

This sample was not collected following SW846 5035A specifications. Accordingly, any Volatiles soil results that are less than 200 ug/Kg, including Non Detects, may be biased low, per ELAP method 5035 guidance document from 11/15/2012.

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 165582

Client: **C&S Companies**

Project Reference: 100 Dona Street

Sample Identifier:	TP-9		
Lab Sample ID:	165582-07	**Date Sampled:**	12/27/2016
Matrix:	Soil	**Date Received:**	12/29/2016

Mercury

Analyte	Result	Units	Qualifier	Date Analyzed
Mercury	**0.0512**	mg/Kg		12/30/2016 14:31

Method Reference(s): EPA 7471B
Preparation Date: 12/30/2016
Data File: Hg161230A

FINAL

Report Prepared Thursday, January 05, 2017

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 165582

Client: **C&S Companies**

Project Reference: 100 Dona Street

Sample Identifier: TP-9
Lab Sample ID: 165582-07
Matrix: Soil
Date Sampled: 12/27/2016
Date Received: 12/29/2016

TAL Metals (ICP)

Analyte	Result	Units	Qualifier	Date Analyzed
Aluminum	**5470**	mg/Kg		1/3/2017 13:48
Antimony	< 4.49	mg/Kg		1/3/2017 13:48
Arsenic	**5.91**	mg/Kg		1/3/2017 13:48
Barium	**37.8**	mg/Kg		1/3/2017 13:48
Beryllium	**0.697**	mg/Kg		1/3/2017 13:48
Cadmium	**0.420**	mg/Kg		1/3/2017 13:48
Calcium	**3960**	mg/Kg		1/3/2017 13:48
Chromium	**9.38**	mg/Kg		1/3/2017 13:48
Cobalt	**7.29**	mg/Kg		1/3/2017 13:48
Copper	**24.3**	mg/Kg		1/3/2017 13:48
Iron	**16100**	mg/Kg		1/3/2017 13:48
Lead	**10.4**	mg/Kg		1/3/2017 13:48
Magnesium	**1540**	mg/Kg		1/3/2017 13:48
Manganese	**639**	mg/Kg		1/3/2017 13:48
Nickel	**21.1**	mg/Kg		1/3/2017 13:48
Potassium	**1160**	mg/Kg		1/3/2017 13:48
Selenium	< 0.749	mg/Kg		1/4/2017 15:14
Silver	< 0.749	mg/Kg		1/3/2017 13:48
Sodium	< 187	mg/Kg		1/3/2017 13:48
Thallium	< 1.87	mg/Kg		1/3/2017 13:48
Vanadium	**15.0**	mg/Kg		1/3/2017 13:48
Zinc	**40.9**	mg/Kg		1/3/2017 13:48

Method Reference(s): EPA 6010C
EPA 3050B
Preparation Date: 12/30/2016
Data File: 010317b

Report Prepared Thursday, January 05, 2017

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 165582

Client: **C&S Companies**

Project Reference: 100 Dona Street

Sample Identifier: TP-9
Lab Sample ID: 165582-07 **Date Sampled:** 12/27/2016
Matrix: Soil **Date Received:** 12/29/2016

PCBs

Analyte	Result	Units	Qualifier	Date Analyzed
PCB-1016	< 0.0407	mg/Kg		1/5/2017 10:14
PCB-1221	< 0.0407	mg/Kg		1/5/2017 10:14
PCB-1232	< 0.0407	mg/Kg		1/5/2017 10:14
PCB-1242	< 0.0407	mg/Kg		1/5/2017 10:14
PCB-1248	< 0.0407	mg/Kg		1/5/2017 10:14
PCB-1254	< 0.0407	mg/Kg		1/5/2017 10:14
PCB-1260	< 0.0407	mg/Kg		1/5/2017 10:14
PCB-1262	< 0.0407	mg/Kg		1/5/2017 10:14
PCB-1268	< 0.0407	mg/Kg		1/5/2017 10:14

Surrogate	Percent Recovery	Limits	Outliers	Date Analyzed
Decachlorobiphenyl	**63.9**	10 - 144		1/5/2017 10:14
Tetrachloro-m-xylene	**70.6**	10 - 140		1/5/2017 10:14

Method Reference(s): EPA 8082A
EPA 3550C
Preparation Date: 1/3/2017

Report Prepared Thursday, January 05, 2017

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 165582

Client: **C&S Companies**

Project Reference: 100 Dona Street

Sample Identifier: TP-9
Lab Sample ID: 165582-07
Matrix: Soil

Date Sampled: 12/27/2016
Date Received: 12/29/2016

Semi-Volatile Organics (Acid/Base Neutrals)

Analyte	Result	Units	Qualifier	Date Analyzed
1,1-Biphenyl	**703**	ug/Kg		12/31/2016 00:22
1,2,4,5-Tetrachlorobenzene	< 425	ug/Kg		12/31/2016 00:22
1,2,4-Trichlorobenzene	< 425	ug/Kg		12/31/2016 00:22
1,2-Dichlorobenzene	< 425	ug/Kg		12/31/2016 00:22
1,3-Dichlorobenzene	< 425	ug/Kg		12/31/2016 00:22
1,4-Dichlorobenzene	< 425	ug/Kg		12/31/2016 00:22
2,2-Oxybis (1-chloropropane)	< 425	ug/Kg		12/31/2016 00:22
2,3,4,6-Tetrachlorophenol	< 425	ug/Kg		12/31/2016 00:22
2,4,5-Trichlorophenol	< 851	ug/Kg		12/31/2016 00:22
2,4,6-Trichlorophenol	< 425	ug/Kg		12/31/2016 00:22
2,4-Dichlorophenol	< 425	ug/Kg		12/31/2016 00:22
2,4-Dimethylphenol	< 425	ug/Kg		12/31/2016 00:22
2,4-Dinitrophenol	< 851	ug/Kg		12/31/2016 00:22
2,4-Dinitrotoluene	< 425	ug/Kg		12/31/2016 00:22
2,6-Dinitrotoluene	< 425	ug/Kg		12/31/2016 00:22
2-Chloronaphthalene	< 425	ug/Kg		12/31/2016 00:22
2-Chlorophenol	< 425	ug/Kg		12/31/2016 00:22
2-Methylnapthalene	< 425	ug/Kg		12/31/2016 00:22
2-Methylphenol	< 425	ug/Kg		12/31/2016 00:22
2-Nitroaniline	< 851	ug/Kg		12/31/2016 00:22
2-Nitrophenol	< 425	ug/Kg		12/31/2016 00:22
3&4-Methylphenol	< 425	ug/Kg		12/31/2016 00:22
3,3'-Dichlorobenzidine	< 425	ug/Kg		12/31/2016 00:22
3-Nitroaniline	< 851	ug/Kg		12/31/2016 00:22
4,6-Dinitro-2-methylphenol	< 851	ug/Kg		12/31/2016 00:22
4-Bromophenyl phenyl ether	< 425	ug/Kg		12/31/2016 00:22
4-Chloro-3-methylphenol	< 425	ug/Kg		12/31/2016 00:22

Report Prepared Thursday, January 05, 2017

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 165582

Client: **C&S Companies**

Project Reference: 100 Dona Street

Sample Identifier: TP-9
Lab Sample ID: 165582-07
Matrix: Soil
Date Sampled: 12/27/2016
Date Received: 12/29/2016

4-Chloroaniline	< 425	ug/Kg	12/31/2016	00:22
4-Chlorophenyl phenyl ether	< 425	ug/Kg	12/31/2016	00:22
4-Nitroaniline	< 851	ug/Kg	12/31/2016	00:22
4-Nitrophenol	< 851	ug/Kg	12/31/2016	00:22
Acenaphthene	**1510**	ug/Kg	12/31/2016	00:22
Acenaphthylene	< 425	ug/Kg	12/31/2016	00:22
Acetophenone	< 425	ug/Kg	12/31/2016	00:22
Anthracene	< 425	ug/Kg	12/31/2016	00:22
Atrazine	< 425	ug/Kg	12/31/2016	00:22
Benzaldehyde	< 425	ug/Kg	12/31/2016	00:22
Benzo (a) anthracene	< 425	ug/Kg	12/31/2016	00:22
Benzo (a) pyrene	< 425	ug/Kg	12/31/2016	00:22
Benzo (b) fluoranthene	< 425	ug/Kg	12/31/2016	00:22
Benzo (g,h,i) perylene	< 425	ug/Kg	12/31/2016	00:22
Benzo (k) fluoranthene	< 425	ug/Kg	12/31/2016	00:22
Bis (2-chloroethoxy) methane	< 425	ug/Kg	12/31/2016	00:22
Bis (2-chloroethyl) ether	< 425	ug/Kg	12/31/2016	00:22
Bis (2-ethylhexyl) phthalate	< 425	ug/Kg	12/31/2016	00:22
Butylbenzylphthalate	< 425	ug/Kg	12/31/2016	00:22
Caprolactam	< 425	ug/Kg	12/31/2016	00:22
Carbazole	< 425	ug/Kg	12/31/2016	00:22
Chrysene	< 425	ug/Kg	12/31/2016	00:22
Dibenz (a,h) anthracene	< 425	ug/Kg	12/31/2016	00:22
Dibenzofuran	< 425	ug/Kg	12/31/2016	00:22
Diethyl phthalate	< 425	ug/Kg	12/31/2016	00:22
Dimethyl phthalate	< 851	ug/Kg	12/31/2016	00:22
Di-n-butyl phthalate	< 425	ug/Kg	12/31/2016	00:22
Di-n-octylphthalate	< 425	ug/Kg	12/31/2016	00:22
Fluoranthene	< 425	ug/Kg	12/31/2016	00:22
Fluorene	**2770**	ug/Kg	12/31/2016	00:22

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 165582

Client: **C&S Companies**

Project Reference: 100 Dona Street

Sample Identifier: TP-9
Lab Sample ID: 165582-07
Matrix: Soil
Date Sampled: 12/27/2016
Date Received: 12/29/2016

Hexachlorobenzene	< 425	ug/Kg			12/31/2016 00:22
Hexachlorobutadiene	< 425	ug/Kg			12/31/2016 00:22
Hexachlorocyclopentadiene	< 425	ug/Kg			12/31/2016 00:22
Hexachloroethane	< 425	ug/Kg			12/31/2016 00:22
Indeno (1,2,3-cd) pyrene	< 425	ug/Kg			12/31/2016 00:22
Isophorone	< 425	ug/Kg			12/31/2016 00:22
Naphthalene	< 425	ug/Kg			12/31/2016 00:22
Nitrobenzene	< 425	ug/Kg			12/31/2016 00:22
N-Nitroso-di-n-propylamine	< 425	ug/Kg			12/31/2016 00:22
N-Nitrosodiphenylamine	< 425	ug/Kg			12/31/2016 00:22
Pentachlorophenol	< 851	ug/Kg			12/31/2016 00:22
Phenanthrene	**4700**	ug/Kg			12/31/2016 00:22
Phenol	< 425	ug/Kg			12/31/2016 00:22
Pyrene	**416**	ug/Kg		J	12/31/2016 00:22

Surrogate	Percent Recovery	Limits	Outliers	Date Analyzed
2,4,6-Tribromophenol	**55.9**	38 - 114		12/31/2016 00:22
2-Fluorobiphenyl	**54.4**	25 - 105		12/31/2016 00:22
2-Fluorophenol	**36.8**	30.8 - 84		12/31/2016 00:22
Nitrobenzene-d5	**40.7**	28.5 - 84.9		12/31/2016 00:22
Phenol-d5	**41.0**	32.5 - 89.6		12/31/2016 00:22
Terphenyl-d14	**63.5**	55.5 - 117		12/31/2016 00:22

Method Reference(s): EPA 8270D
EPA 3550C
Preparation Date: 12/30/2016
Data File: B16295.D

Report Prepared Thursday, January 05, 2017

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 165582

Client: **C&S Companies**

Project Reference: 100 Dona Street

Sample Identifier: TP-9
Lab Sample ID: 165582-07 **Date Sampled:** 12/27/2016
Matrix: Soil **Date Received:** 12/29/2016

Volatile Organics

Analyte	Result	Units	Qualifier	Date Analyzed
1,1,1-Trichloroethane	< 5.44	ug/Kg		1/4/2017 15:42
1,1,2,2-Tetrachloroethane	< 5.44	ug/Kg		1/4/2017 15:42
1,1,2-Trichloroethane	< 5.44	ug/Kg		1/4/2017 15:42
1,1-Dichloroethane	< 5.44	ug/Kg		1/4/2017 15:42
1,1-Dichloroethene	< 5.44	ug/Kg		1/4/2017 15:42
1,2,3-Trichlorobenzene	< 13.6	ug/Kg		1/4/2017 15:42
1,2,4-Trichlorobenzene	< 13.6	ug/Kg		1/4/2017 15:42
1,2-Dibromo-3-Chloropropane	< 27.2	ug/Kg		1/4/2017 15:42
1,2-Dibromoethane	< 5.44	ug/Kg		1/4/2017 15:42
1,2-Dichlorobenzene	< 5.44	ug/Kg		1/4/2017 15:42
1,2-Dichloroethane	< 5.44	ug/Kg		1/4/2017 15:42
1,2-Dichloropropane	< 5.44	ug/Kg		1/4/2017 15:42
1,3-Dichlorobenzene	< 5.44	ug/Kg		1/4/2017 15:42
1,4-Dichlorobenzene	< 5.44	ug/Kg		1/4/2017 15:42
1,4-dioxane	< 54.4	ug/Kg		1/4/2017 15:42
2-Butanone	< 27.2	ug/Kg		1/4/2017 15:42
2-Hexanone	< 13.6	ug/Kg		1/4/2017 15:42
4-Methyl-2-pentanone	< 13.6	ug/Kg		1/4/2017 15:42
Acetone	**50.5**	ug/Kg		1/4/2017 15:42
Benzene	< 5.44	ug/Kg		1/4/2017 15:42
Bromochloromethane	< 13.6	ug/Kg		1/4/2017 15:42
Bromodichloromethane	< 5.44	ug/Kg		1/4/2017 15:42
Bromoform	< 13.6	ug/Kg		1/4/2017 15:42
Bromomethane	< 5.44	ug/Kg		1/4/2017 15:42
Carbon disulfide	< 5.44	ug/Kg		1/4/2017 15:42
Carbon Tetrachloride	< 5.44	ug/Kg		1/4/2017 15:42
Chlorobenzene	< 5.44	ug/Kg		1/4/2017 15:42

Report Prepared Thursday, January 05, 2017

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 165582

Client: **C&S Companies**

Project Reference: 100 Dona Street

Sample Identifier: TP-9
Lab Sample ID: 165582-07
Matrix: Soil
Date Sampled: 12/27/2016
Date Received: 12/29/2016

Chloroethane	< 5.44	ug/Kg	1/4/2017	15:42
Chloroform	< 5.44	ug/Kg	1/4/2017	15:42
Chloromethane	< 5.44	ug/Kg	1/4/2017	15:42
cis-1,2-Dichloroethene	< 5.44	ug/Kg	1/4/2017	15:42
cis-1,3-Dichloropropene	< 5.44	ug/Kg	1/4/2017	15:42
Cyclohexane	< 27.2	ug/Kg	1/4/2017	15:42
Dibromochloromethane	< 5.44	ug/Kg	1/4/2017	15:42
Dichlorodifluoromethane	< 5.44	ug/Kg	1/4/2017	15:42
Ethylbenzene	< 5.44	ug/Kg	1/4/2017	15:42
Freon 113	< 5.44	ug/Kg	1/4/2017	15:42
Isopropylbenzene	**10.5**	ug/Kg	1/4/2017	15:42
m,p-Xylene	< 5.44	ug/Kg	1/4/2017	15:42
Methyl acetate	< 5.44	ug/Kg	1/4/2017	15:42
Methyl tert-butyl Ether	< 5.44	ug/Kg	1/4/2017	15:42
Methylcyclohexane	< 5.44	ug/Kg	1/4/2017	15:42
Methylene chloride	< 13.6	ug/Kg	1/4/2017	15:42
o-Xylene	< 5.44	ug/Kg	1/4/2017	15:42
Styrene	< 13.6	ug/Kg	1/4/2017	15:42
Tetrachloroethene	< 5.44	ug/Kg	1/4/2017	15:42
Toluene	< 5.44	ug/Kg	1/4/2017	15:42
trans-1,2-Dichloroethene	< 5.44	ug/Kg	1/4/2017	15:42
trans-1,3-Dichloropropene	< 5.44	ug/Kg	1/4/2017	15:42
Trichloroethene	< 5.44	ug/Kg	1/4/2017	15:42
Trichlorofluoromethane	< 5.44	ug/Kg	1/4/2017	15:42
Vinyl chloride	< 5.44	ug/Kg	1/4/2017	15:42

Report Prepared Thursday, January 05, 2017

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 165582

Client: **C&S Companies**

Project Reference: 100 Dona Street

Sample Identifier: TP-9
Lab Sample ID: 165582-07 **Date Sampled:** 12/27/2016
Matrix: Soil **Date Received:** 12/29/2016

Surrogate	Percent Recovery	Limits	Outliers	Date Analyzed	
1,2-Dichloroethane-d4	**106**	82 - 124		1/4/2017	15:42
4-Bromofluorobenzene	**109**	80.5 - 116		1/4/2017	15:42
Pentafluorobenzene	**94.2**	88.7 - 112		1/4/2017	15:42
Toluene-D8	**96.9**	79.1 - 120		1/4/2017	15:42

Method Reference(s): EPA 8260C
EPA 5035A - L
Data File: x38276.D

This sample was not collected following SW846 5035A specifications. Accordingly, any Volatiles soil results that are less than 200 ug/Kg, including Non Detects, may be biased low, per ELAP method 5035 guidance document from 11/15/2012.

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 165582

Client: **C&S Companies**

Project Reference: 100 Dona Street

Sample Identifier:	TP-5		
Lab Sample ID:	165582-08	**Date Sampled:**	12/27/2016
Matrix:	Soil	**Date Received:**	12/29/2016

Mercury

Analyte	Result	Units	Qualifier	Date Analyzed
Mercury	**0.0111**	mg/Kg		12/30/2016 14:48

Method Reference(s): EPA 7471B
Preparation Date: 12/30/2016
Data File: Hg161230A

FINAL

This report is part of a multipage document and should only be evaluated in its entirety. The Chain of Custody provides additional sample information, including compliance with the sample condition requirements upon receipt.

Report Prepared Thursday, January 05, 2017

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 165582

Client: **C&S Companies**

Project Reference: 100 Dona Street

Sample Identifier: TP-5
Lab Sample ID: 165582-08 **Date Sampled:** 12/27/2016
Matrix: Soil **Date Received:** 12/29/2016

TAL Metals (ICP)

Analyte	Result	Units	Qualifier	Date Analyzed
Aluminum	**4060**	mg/Kg		1/3/2017 13:53
Antimony	< 3.10	mg/Kg		1/3/2017 13:53
Arsenic	**1.93**	mg/Kg		1/3/2017 13:53
Barium	**22.0**	mg/Kg		1/3/2017 13:53
Beryllium	**0.237**	mg/Kg	J	1/3/2017 13:53
Cadmium	**0.182**	mg/Kg	J	1/3/2017 13:53
Calcium	**74900**	mg/Kg		1/3/2017 14:36
Chromium	**7.07**	mg/Kg		1/3/2017 13:53
Cobalt	**3.72**	mg/Kg		1/3/2017 13:53
Copper	**13.8**	mg/Kg		1/3/2017 13:53
Iron	**7800**	mg/Kg		1/3/2017 13:53
Lead	**5.83**	mg/Kg		1/3/2017 13:53
Magnesium	**12200**	mg/Kg		1/3/2017 13:53
Manganese	**144**	mg/Kg		1/3/2017 13:53
Nickel	**11.9**	mg/Kg		1/3/2017 13:53
Potassium	**1010**	mg/Kg		1/3/2017 13:53
Selenium	**1.41**	mg/Kg		1/4/2017 21:13
Silver	< 0.517	mg/Kg		1/3/2017 13:53
Sodium	**108**	mg/Kg	J	1/3/2017 13:53
Thallium	**2.55**	mg/Kg		1/3/2017 13:53
Vanadium	**11.3**	mg/Kg		1/3/2017 13:53
Zinc	**40.1**	mg/Kg		1/3/2017 13:53

Method Reference(s): EPA 6010C
EPA 3050B
Preparation Date: 12/30/2016
Data File: 010317b

Report Prepared Thursday, January 05, 2017

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 165582

Client: **C&S Companies**

Project Reference: 100 Dona Street

Sample Identifier: TP-5
Lab Sample ID: 165582-08 **Date Sampled:** 12/27/2016
Matrix: Soil **Date Received:** 12/29/2016

PCBs

Analyte	Result	Units	Qualifier	Date Analyzed
PCB-1016	< 0.0322	mg/Kg		1/4/2017 03:02
PCB-1221	< 0.0322	mg/Kg		1/4/2017 03:02
PCB-1232	< 0.0322	mg/Kg		1/4/2017 03:02
PCB-1242	< 0.0322	mg/Kg		1/4/2017 03:02
PCB-1248	< 0.0322	mg/Kg		1/4/2017 03:02
PCB-1254	< 0.0322	mg/Kg		1/4/2017 03:02
PCB-1260	< 0.0322	mg/Kg		1/4/2017 03:02
PCB-1262	< 0.0322	mg/Kg		1/4/2017 03:02
PCB-1268	< 0.0322	mg/Kg		1/4/2017 03:02

Surrogate	Percent Recovery	Limits	Outliers	Date Analyzed
Decachlorobiphenyl	**69.9**	10 - 144		1/4/2017 03:02
Tetrachloro-m-xylene	**58.0**	10 - 140		1/4/2017 03:02

Method Reference(s): EPA 8082A
EPA 3550C
Preparation Date: 1/3/2017

Report Prepared Thursday, January 05, 2017

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 165582

Client: **C&S Companies**

Project Reference: 100 Dona Street

Sample Identifier: TP-5
Lab Sample ID: 165582-08 **Date Sampled:** 12/27/2016
Matrix: Soil **Date Received:** 12/29/2016

Semi-Volatile Organics (Acid/Base Neutrals)

Analyte	Result	Units	Qualifier	Date Analyzed
1,1-Biphenyl	< 315	ug/Kg		12/31/2016 00:51
1,2,4,5-Tetrachlorobenzene	< 315	ug/Kg		12/31/2016 00:51
1,2,4-Trichlorobenzene	< 315	ug/Kg		12/31/2016 00:51
1,2-Dichlorobenzene	< 315	ug/Kg		12/31/2016 00:51
1,3-Dichlorobenzene	< 315	ug/Kg		12/31/2016 00:51
1,4-Dichlorobenzene	< 315	ug/Kg		12/31/2016 00:51
2,2-Oxybis (1-chloropropane)	< 315	ug/Kg		12/31/2016 00:51
2,3,4,6-Tetrachlorophenol	< 315	ug/Kg		12/31/2016 00:51
2,4,5-Trichlorophenol	< 630	ug/Kg		12/31/2016 00:51
2,4,6-Trichlorophenol	< 315	ug/Kg		12/31/2016 00:51
2,4-Dichlorophenol	< 315	ug/Kg		12/31/2016 00:51
2,4-Dimethylphenol	< 315	ug/Kg		12/31/2016 00:51
2,4-Dinitrophenol	< 630	ug/Kg		12/31/2016 00:51
2,4-Dinitrotoluene	< 315	ug/Kg		12/31/2016 00:51
2,6-Dinitrotoluene	< 315	ug/Kg		12/31/2016 00:51
2-Chloronaphthalene	< 315	ug/Kg		12/31/2016 00:51
2-Chlorophenol	< 315	ug/Kg		12/31/2016 00:51
2-Methylnapthalene	< 315	ug/Kg		12/31/2016 00:51
2-Methylphenol	< 315	ug/Kg		12/31/2016 00:51
2-Nitroaniline	< 630	ug/Kg		12/31/2016 00:51
2-Nitrophenol	< 315	ug/Kg		12/31/2016 00:51
3&4-Methylphenol	< 315	ug/Kg		12/31/2016 00:51
3,3'-Dichlorobenzidine	< 315	ug/Kg		12/31/2016 00:51
3-Nitroaniline	< 630	ug/Kg		12/31/2016 00:51
4,6-Dinitro-2-methylphenol	< 630	ug/Kg		12/31/2016 00:51
4-Bromophenyl phenyl ether	< 315	ug/Kg		12/31/2016 00:51
4-Chloro-3-methylphenol	< 315	ug/Kg		12/31/2016 00:51

Report Prepared Thursday, January 05, 2017

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 165582

Client: **C&S Companies**

Project Reference: 100 Dona Street

Sample Identifier: TP-5
Lab Sample ID: 165582-08
Matrix: Soil
Date Sampled: 12/27/2016
Date Received: 12/29/2016

4-Chloroaniline	< 315	ug/Kg	12/31/2016	00:51
4-Chlorophenyl phenyl ether	< 315	ug/Kg	12/31/2016	00:51
4-Nitroaniline	< 630	ug/Kg	12/31/2016	00:51
4-Nitrophenol	< 630	ug/Kg	12/31/2016	00:51
Acenaphthene	< 315	ug/Kg	12/31/2016	00:51
Acenaphthylene	< 315	ug/Kg	12/31/2016	00:51
Acetophenone	< 315	ug/Kg	12/31/2016	00:51
Anthracene	< 315	ug/Kg	12/31/2016	00:51
Atrazine	< 315	ug/Kg	12/31/2016	00:51
Benzaldehyde	< 315	ug/Kg	12/31/2016	00:51
Benzo (a) anthracene	< 315	ug/Kg	12/31/2016	00:51
Benzo (a) pyrene	< 315	ug/Kg	12/31/2016	00:51
Benzo (b) fluoranthene	< 315	ug/Kg	12/31/2016	00:51
Benzo (g,h,i) perylene	< 315	ug/Kg	12/31/2016	00:51
Benzo (k) fluoranthene	< 315	ug/Kg	12/31/2016	00:51
Bis (2-chloroethoxy) methane	< 315	ug/Kg	12/31/2016	00:51
Bis (2-chloroethyl) ether	< 315	ug/Kg	12/31/2016	00:51
Bis (2-ethylhexyl) phthalate	< 315	ug/Kg	12/31/2016	00:51
Butylbenzylphthalate	< 315	ug/Kg	12/31/2016	00:51
Caprolactam	< 315	ug/Kg	12/31/2016	00:51
Carbazole	< 315	ug/Kg	12/31/2016	00:51
Chrysene	< 315	ug/Kg	12/31/2016	00:51
Dibenz (a,h) anthracene	< 315	ug/Kg	12/31/2016	00:51
Dibenzofuran	< 315	ug/Kg	12/31/2016	00:51
Diethyl phthalate	< 315	ug/Kg	12/31/2016	00:51
Dimethyl phthalate	< 630	ug/Kg	12/31/2016	00:51
Di-n-butyl phthalate	< 315	ug/Kg	12/31/2016	00:51
Di-n-octylphthalate	< 315	ug/Kg	12/31/2016	00:51
Fluoranthene	< 315	ug/Kg	12/31/2016	00:51
Fluorene	< 315	ug/Kg	12/31/2016	00:51

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 165582

Client: **C&S Companies**

Project Reference: 100 Dona Street

Sample Identifier: TP-5
Lab Sample ID: 165582-08
Matrix: Soil
Date Sampled: 12/27/2016
Date Received: 12/29/2016

Hexachlorobenzene	< 315	ug/Kg			12/31/2016 00:51
Hexachlorobutadiene	< 315	ug/Kg			12/31/2016 00:51
Hexachlorocyclopentadiene	< 315	ug/Kg			12/31/2016 00:51
Hexachloroethane	< 315	ug/Kg			12/31/2016 00:51
Indeno (1,2,3-cd) pyrene	< 315	ug/Kg			12/31/2016 00:51
Isophorone	< 315	ug/Kg			12/31/2016 00:51
Naphthalene	< 315	ug/Kg			12/31/2016 00:51
Nitrobenzene	< 315	ug/Kg			12/31/2016 00:51
N-Nitroso-di-n-propylamine	< 315	ug/Kg			12/31/2016 00:51
N-Nitrosodiphenylamine	< 315	ug/Kg			12/31/2016 00:51
Pentachlorophenol	< 630	ug/Kg			12/31/2016 00:51
Phenanthrene	< 315	ug/Kg			12/31/2016 00:51
Phenol	< 315	ug/Kg			12/31/2016 00:51
Pyrene	< 315	ug/Kg			12/31/2016 00:51

Surrogate	Percent Recovery	Limits	Outliers	Date Analyzed
2,4,6-Tribromophenol	**61.3**	38 - 114		12/31/2016 00:51
2-Fluorobiphenyl	**54.1**	25 - 105		12/31/2016 00:51
2-Fluorophenol	**48.1**	30.8 - 84		12/31/2016 00:51
Nitrobenzene-d5	**49.0**	28.5 - 84.9		12/31/2016 00:51
Phenol-d5	**50.4**	32.5 - 89.6		12/31/2016 00:51
Terphenyl-d14	**70.9**	55.5 - 117		12/31/2016 00:51

Method Reference(s): EPA 8270D
EPA 3550C
Preparation Date: 12/30/2016
Data File: B16296.D

Report Prepared Thursday, January 05, 2017

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 165582

Client: **C&S Companies**

Project Reference: 100 Dona Street

Sample Identifier: TP-5
Lab Sample ID: 165582-08 **Date Sampled:** 12/27/2016
Matrix: Soil **Date Received:** 12/29/2016

Volatile Organics

Analyte	Result	Units	Qualifier	Date Analyzed
1,1,1-Trichloroethane	< 4.34	ug/Kg		1/3/2017 18:26
1,1,2,2-Tetrachloroethane	< 4.34	ug/Kg		1/3/2017 18:26
1,1,2-Trichloroethane	< 4.34	ug/Kg		1/3/2017 18:26
1,1-Dichloroethane	< 4.34	ug/Kg		1/3/2017 18:26
1,1-Dichloroethene	< 4.34	ug/Kg		1/3/2017 18:26
1,2,3-Trichlorobenzene	< 10.8	ug/Kg		1/3/2017 18:26
1,2,4-Trichlorobenzene	< 10.8	ug/Kg		1/3/2017 18:26
1,2-Dibromo-3-Chloropropane	< 21.7	ug/Kg		1/3/2017 18:26
1,2-Dibromoethane	< 4.34	ug/Kg		1/3/2017 18:26
1,2-Dichlorobenzene	< 4.34	ug/Kg		1/3/2017 18:26
1,2-Dichloroethane	< 4.34	ug/Kg		1/3/2017 18:26
1,2-Dichloropropane	< 4.34	ug/Kg		1/3/2017 18:26
1,3-Dichlorobenzene	< 4.34	ug/Kg		1/3/2017 18:26
1,4-Dichlorobenzene	< 4.34	ug/Kg		1/3/2017 18:26
1,4-dioxane	< 43.4	ug/Kg		1/3/2017 18:26
2-Butanone	< 21.7	ug/Kg		1/3/2017 18:26
2-Hexanone	< 10.8	ug/Kg		1/3/2017 18:26
4-Methyl-2-pentanone	< 10.8	ug/Kg		1/3/2017 18:26
Acetone	< 21.7	ug/Kg		1/3/2017 18:26
Benzene	< 4.34	ug/Kg		1/3/2017 18:26
Bromochloromethane	< 10.8	ug/Kg		1/3/2017 18:26
Bromodichloromethane	< 4.34	ug/Kg		1/3/2017 18:26
Bromoform	< 10.8	ug/Kg		1/3/2017 18:26
Bromomethane	< 4.34	ug/Kg		1/3/2017 18:26
Carbon disulfide	< 4.34	ug/Kg		1/3/2017 18:26
Carbon Tetrachloride	< 4.34	ug/Kg		1/3/2017 18:26
Chlorobenzene	< 4.34	ug/Kg		1/3/2017 18:26

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 165582

Client: **C&S Companies**

Project Reference: 100 Dona Street

Sample Identifier: TP-5
Lab Sample ID: 165582-08 **Date Sampled:** 12/27/2016
Matrix: Soil **Date Received:** 12/29/2016

Chloroethane	< 4.34	ug/Kg	1/3/2017	18:26
Chloroform	< 4.34	ug/Kg	1/3/2017	18:26
Chloromethane	< 4.34	ug/Kg	1/3/2017	18:26
cis-1,2-Dichloroethene	< 4.34	ug/Kg	1/3/2017	18:26
cis-1,3-Dichloropropene	< 4.34	ug/Kg	1/3/2017	18:26
Cyclohexane	< 21.7	ug/Kg	1/3/2017	18:26
Dibromochloromethane	< 4.34	ug/Kg	1/3/2017	18:26
Dichlorodifluoromethane	< 4.34	ug/Kg	1/3/2017	18:26
Ethylbenzene	< 4.34	ug/Kg	1/3/2017	18:26
Freon 113	< 4.34	ug/Kg	1/3/2017	18:26
Isopropylbenzene	< 4.34	ug/Kg	1/3/2017	18:26
m,p-Xylene	< 4.34	ug/Kg	1/3/2017	18:26
Methyl acetate	< 4.34	ug/Kg	1/3/2017	18:26
Methyl tert-butyl Ether	< 4.34	ug/Kg	1/3/2017	18:26
Methylcyclohexane	< 4.34	ug/Kg	1/3/2017	18:26
Methylene chloride	< 10.8	ug/Kg	1/3/2017	18:26
o-Xylene	< 4.34	ug/Kg	1/3/2017	18:26
Styrene	< 10.8	ug/Kg	1/3/2017	18:26
Tetrachloroethene	< 4.34	ug/Kg	1/3/2017	18:26
Toluene	< 4.34	ug/Kg	1/3/2017	18:26
trans-1,2-Dichloroethene	< 4.34	ug/Kg	1/3/2017	18:26
trans-1,3-Dichloropropene	< 4.34	ug/Kg	1/3/2017	18:26
Trichloroethene	< 4.34	ug/Kg	1/3/2017	18:26
Trichlorofluoromethane	< 4.34	ug/Kg	1/3/2017	18:26
Vinyl chloride	< 4.34	ug/Kg	1/3/2017	18:26

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 165582

Client: **C&S Companies**

Project Reference: 100 Dona Street

Sample Identifier: TP-5
Lab Sample ID: 165582-08 **Date Sampled:** 12/27/2016
Matrix: Soil **Date Received:** 12/29/2016

Surrogate	Percent Recovery	Limits	Outliers	Date Analyzed	
1,2-Dichloroethane-d4	**104**	82 - 124		1/3/2017	18:26
4-Bromofluorobenzene	**91.8**	80.5 - 116		1/3/2017	18:26
Pentafluorobenzene	**93.9**	88.7 - 112		1/3/2017	18:26
Toluene-D8	**98.9**	79.1 - 120		1/3/2017	18:26

Method Reference(s): EPA 8260C
EPA 5035A - L
Data File: x38249.D

This sample was not collected following SW846 5035A specifications. Accordingly, any Volatiles soil results that are less than 200 ug/Kg, including Non Detects, may be biased low, per ELAP method 5035 guidance document from 11/15/2012.

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Analytical Report Appendix

The reported results relate only to the samples as they have been received by the laboratory.

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All soil/sludge samples have been reported on a dry weight basis, unless qualified "reported as received". Other solids are reported as received.

Low level Volatiles blank reports for soil/solid matrix are based on a nominal 5 gram weight. Sample results and reporting limits are based on actual weight, which may be more or less than 5 grams.

The Chain of Custody provides additional information, including compliance with sample condition requirements upon receipt. Sample condition requirements are defined under the 2003 NELAC Standard, sections 5.5.8.3.1 and 5.5.8.3.2.

NYSDOH ELAP does not certify for all parameters. Paradigm Environmental Services or the indicated subcontracted laboratory does hold certification for all analytes where certification is offered by ELAP unless otherwise specified. Aliquots separated for certain tests, such as TCLP, are indicated on the Chain of Custody and final reports with an "A" suffix.

Data qualifiers are used, when necessary, to provide additional information about the data. This information may be communicated as a flag or as text at the bottom of the report. Please refer to the following list of analyte-specific, frequently used data flags and their meaning:

"<" = Analyzed for but not detected at or above the quantitation limit.
"E" = Result has been estimated, calibration limit exceeded.
"Z" = See case narrative.
"D" = Sample, Laboratory Control Sample, or Matrix Spike Duplicate results above Relative Percent Difference limit.
"M" = Matrix spike recoveries outside QC limits. Matrix bias indicated.
"B" = Method blank contained trace levels of analyte. Refer to included method blank report.
"J" = Result estimated between the quantitation limit and half the quantitation limit.
"L" = Laboratory Control Sample recovery outside accepted QC limits.
"P" = Concentration differs by more than 40% between the primary and secondary analytical columns.
"NC" = Not calculable. Applicable to RPD if sample or duplicate result is non-detect or estimated (see primary report for data flags). Applicable to MS if sample is greater or equal to ten times the spike added. Applicable to sample surrogates or MS if sample dilution is 10x or higher.
"" = Indicates any recoveries outside associated acceptance windows. Surrogate outliers in samples are presumed matrix effects. LCS demonstrates method compliance unless otherwise noted.*
"(1)" = Indicates data from primary column used for QC calculation.
"A" = denotes a parameter for which ELAP does not offer approval as part of their laboratory certification program.
"F" = denotes a parameter for which Paradigm does not carry certification, the results for which should therefore only be used where ELAP certification is not required, such as personal exposure assessment.

GENERAL TERMS AND CONDITIONS
LABORATORY SERVICES

These Terms and Conditions embody the whole agreement of the parties in the absence of a signed and executed contract between the Laboratory (LAB) and Client. They shall supersede all previous communications, representations, or agreements, either verbal or written, between the parties. The LAB specifically rejects all additional, inconsistent, or conflicting terms, whether printed or otherwise set forth in any purchase order or other communication from the Client to the LAB. The invalidity or unenforceability in whole or in part of any provision, term, or condition hereof shall not affect in any way the validity or enforceability of the remainder of the Terms and Conditions. No waiver by LAB of any provision, term, or condition hereof or of any breach by or obligation of the Client hereunder shall constitute a waiver of such provision, term, or condition on any other occasion or a waiver of any other breach by or obligation of the Client. This agreement shall be administered and interpreted under the laws of the state which services are procured.

Warranty. Recognizing that the nature of many samples is unknown and that some may contain potentially hazardous components, LAB warrants only that it will perform testing services, obtain findings, and prepare reports in accordance with generally accepted analytical laboratory principles and practices at the time of performance of services. LAB makes no other warranty, express or implied.

Scope and Compensation. LAB agrees to perform the services described in the chain of custody to which these terms and conditions are attached. Unless the parties agree in writing to the contrary, the duties of LAB shall not be construed to exceed the services specifically described. LAB will use LAB default method for all tests unless specified otherwise on the Work Order.
Payment terms are net 30 days from the date of invoice. All overdue payments are subject to an interest charge of one and one-half percent (1-1/2%) per month or a portion thereof. Client shall also be responsible for costs of collection, including payment of reasonable attorney fees if such expense is incurred. The prices, unless stated, do not include any sale, use or other taxes. Such taxes will be added to invoice prices when required.

Prices. Compensation for services performed will be based on the current Lab Analytical Fee Schedule or on quotations agreed to in writing by the parties. Turnaround time based charges are determined from the time of resolution of all work order questions. Testimony, court appearances or data compilation for legal action will be charged separately. Evaluation and reporting of initial screening runs may incur additional fees.

Limitations of Liability. In the event of any error, omission, or other professional negligence, the sole and exclusive responsibility of LAB shall be to re-perform the deficient work at its own expense and LAB shall have no other liability whatsoever. All claims shall be deemed waived unless made in writing and received by LAB within ninety (90) days following completion of services.
LAB shall have no liability, obligation, or responsibility of any kind for losses, costs, expenses, or other damages (including but not limited to any special, direct, incidental or consequential damages) with respect to LAB's services or results.
All results provided by LAB are strictly for the use of its clients and LAB is in no way responsible for the use of such results by clients or third parties. All reports should be considered in their entirety, and LAB is not responsible for the separation, detachment, or other use of any portion of these reports. Client may not assign the lab report without the written consent of the LAB.
Client covenants and agrees, at its/his/her sole expense, to indemnify, protect, defend, and save harmless the LAB from and against any and all damages, losses, liabilities, obligations, penalties, claims, litigation, demands, defenses, judgments, suits, actions, proceedings, costs, disbursements and/or expenses (including, without limitation attorneys' and experts' fees and disbursements) of any kind whatsoever which may at any time be imposed upon, incurred by or asserted or awarded against client relating to, resulting from or arising out of (a) the breach of this agreement by this client, (b) the negligence of the client in handling, delivering or disclosing any hazardous substance, (c) the violation of the Client of any applicable law, (d) non-compliance by the Client with any environmental permit or (e) a material misrepresentation in disclosing the materials to be tested.

Hazard Disclosure. Client represents and warrants that any sample delivered to LAB will be preceded or accompanied by complete written disclosure of the presence of any hazardous substances known or suspected by Client. Client further warrants that any sample containing any hazardous substance that is to be delivered to LAB will be packaged, labeled, transported, and delivered properly and in accordance with applicable laws.

Sample Handling. Prior to LAB's acceptance of any sample (or after any revocation of acceptance), the entire risk of loss or of damage to such sample remains with Client. Samples are accepted when receipt is acknowledged on chain of custody documentation. In no event will LAB have any responsibility for the action or inaction of any carrier shipping or delivering any sample to or from LAB premises.
Client authorizes LAB to proceed with the analysis of samples as received by the laboratory, recognizing that any samples not in compliance with all current DOH-ELAP-NELAP requirements for containers, preservation or holding time will be noted as such on the final report.
Disposal of hazardous waste samples is the responsibility of the Client. If the Client does not wish such samples returned, LAB may add storage and disposal fees to the final invoice. Maximum storage time for samples is 30 days after completion of analysis unless modified by applicable state or federal laws. Client will be required to give the LAB written instructions concerning disposal of these samples.
LAB reserves the absolute right, exercisable at any time, to refuse to receive delivery of, refuse to accept, or revoke acceptance of any sample, which, in the sole judgment of LAB (a) is of unsuitable volume, (b) may be or become unsuitable for or may pose a risk in handling, transport, or processing for any health, safety, environmental or other reason whether or not due to the presence in the sample of any hazardous substance, and whether or not such presence has been disclosed to LAB by Client or (c) if the condition or sample date make the sample unsuitable for analysis.

Legal Responsibility. LAB is solely responsible for performance of this contract, and no affiliated company, director, officer, employee, or agent shall have any legal responsibility hereunder, whether in contract or tort including negligence.

Assignment. LAB may assign its performance obligations under this contract to other parties, as it deems necessary. LAB shall disclose to Client any assignee (subcontractor) by ELAP ID # on the submitted final report.

Force Majeure. LAB shall have no responsibility or liability to the Client for any failure or delay in performance by LAB, which results in whole or in part from any cause or circumstance beyond the reasonable control of LAB. Such causes and circumstances shall include, but not limited to, acts of God, acts or orders of any government authority, strikes or other labor disputes, natural disasters, accidents, wars, civil disturbances, difficulties or delays in transportation, mail or delivery services, inability to obtain sufficient services or supplies from LAB's usual suppliers, or any other cause beyond LAB's reasonable control.

Law. This contract shall be continued under the laws of the State of New York without regard to its conflicts of laws provision.

179 Lake Avenue, Rochester, NY 14608 Office (585) 647-2530 Fax (585) 647-3311

PARADIGM
ENVIRONMENTAL SERVICES, INC

CHAIN OF CUSTODY

165582

REPORT TO:		INVOICE TO:		
CLIENT:	C+S Engineers	CLIENT:	Same	LAB PROJECT ID: 100 Dona Street
ADDRESS:	141 Elm St. Suite 100	ADDRESS:		
CITY:	Buffalo STATE: NY ZIP: 14203	CITY: STATE: ZIP:		Quotation #:
PHONE:	716-847-1630	PHONE:		Email: ~~SKW~~ sherbergsr@cscos.com
ATTN:	Sam Herberger	ATTN:		

PROJECT REFERENCE: 100 Dona Street

Matrix Codes:
AQ - Aqueous Liquid; NQ - Non-Aqueous Liquid; WA - Water; WG - Groundwater; DW - Drinking Water; WW - Wastewater; SO - Soil; SL - Sludge; SD - Solid; PT - Paint; WP - Wipe; CK - Caulk; OL - Oil; AR - Air

REQUESTED ANALYSIS

DATE COLLECTED	TIME COLLECTED	COMPOSITE	GRAB	SAMPLE IDENTIFIER	MATRIX CODES	NUMBER OF CONTAINERS	TCL VOCs	TCL SVOCs	PCB	TAL Metals	REMARKS	PARADIGM LAB SAMPLE NUMBER
12/27/16	950 A		X	TP-1	SO	1	X	X	X	X	PART 375	01
↓	1029 A		↓	TP-2	↓	↓	↓	↓	↓	↓	↓	02
	1053 A			TP-3								03
	1210 P			TP-6								04
	1230 P			TP-7							TCL	05
	1:03 P			TP-8							↓	06
	145 PM			TP-9								07
↓	220 P		↓	TP5	↓	↓	↓	↓	↓	↓	↓	08

WNU

Turnaround Time		Report Supplements			
Availability contingent upon lab approval; additional fees may apply.					
Standard 5 day	X	None Required		None Required	
10 day		Batch QC		Basic EDD	
Rush 3 day		Category A		NYSDEC EDD	X
Rush 2 day		Category B	X		
Rush 1 day					
Other		Other		Other EDD	
please indicate date needed:		please indicate package needed:		please indicate EDD needed :	

Sampled By: Sam Herberger — Date/Time: 12/27/16

Relinquished By: Mary Sorrell — Date/Time: 12/28/16 11:25AM

Received By: James Steiner — Date/Time: 12/28/16 11:25AM

Received @ Lab By: JR — Date/Time: 12/29/16 14:03

Total Cost:

P.I.F.

6°C iced 12/29/16 11:52

By signing this form, client agrees to Paradigm Terms and Conditions (reverse).

No Custody Seal, sent via UPS. GP 12/29/16

See additional page for sample conditions.

PARADIGM

Chain of Custody Supplement

Client: C & S Engineers **Completed by:** Glenn Pezzulo

Lab Project ID: 165582 **Date:** 12/29/16

Sample Condition Requirements

Per NELAC/ELAP 210/241/242/243/244

Condition	*NELAC compliance with the sample condition requirements upon receipt* Yes	No	N/A
Container Type	X	X So35	
Comments			
Transferred to method-compliant container			X
Headspace (<1 mL)			X
Comments			
Preservation			X
Comments			
Chlorine Absent (<0.10 ppm per test strip)			X
Comments			
Holding Time	X		
Comments			
Temperature	X		X metals
Comments	6°C iced		
Sufficient Sample Quantity	X		
Comments			

FINAL

APPENDIX F

Laboratory Analysis Report – Groundwater

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 170188

Client: **C&S Companies**

Project Reference: 100 Dona Street

Sample Identifier:	GW-1		
Lab Sample ID:	170188-01	**Date Sampled:**	1/16/2017
Matrix:	Water	**Date Received:**	1/17/2017

Part 375 Metals (ICP)

Analyte	Result	Units	Qualifier	Date Analyzed
Arsenic	**0.0110**	mg/L		1/20/2017 14:57
Barium	**0.102**	mg/L		1/20/2017 14:57
Beryllium	< 0.00500	mg/L		1/20/2017 14:57
Cadmium	< 0.00500	mg/L		1/20/2017 14:57
Chromium	**0.0269**	mg/L		1/20/2017 14:57
Copper	**0.0139**	mg/L	J	1/20/2017 14:57
Lead	< 0.0100	mg/L		1/20/2017 14:57
Manganese	**0.333**	mg/L		1/20/2017 14:57
Nickel	**0.0219**	mg/L	J	1/20/2017 14:57
Selenium	**0.0102**	mg/L		1/23/2017 14:30
Silver	< 0.0100	mg/L		1/20/2017 14:57
Zinc	< 0.0600	mg/L		1/20/2017 14:57

Method Reference(s): EPA 6010C
EPA 3005A
Preparation Date: 1/19/2017
Data File: 012017a

Report Prepared Tuesday, January 24, 2017

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 170188

Client: **C&S Companies**

Project Reference: 100 Dona Street

Sample Identifier:	GW-1		
Lab Sample ID:	170188-01	**Date Sampled:**	1/16/2017
Matrix:	Water	**Date Received:**	1/17/2017

Mercury

Analyte	Result	Units	Qualifier	Date Analyzed
Mercury	< 0.000200	mg/L		1/18/2017 17:06

Method Reference(s): EPA 7470A
Preparation Date: 1/18/2017
Data File: Hg170118A

FINAL

Report Prepared Tuesday, January 24, 2017

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 170188

Client: **C&S Companies**

Project Reference: 100 Dona Street

Sample Identifier: GW-1
Lab Sample ID: 170188-01 **Date Sampled:** 1/16/2017
Matrix: Water **Date Received:** 1/17/2017

PCBs

Analyte	Result	Units	Qualifier	Date Analyzed
PCB-1016	< 0.200	ug/L		1/23/2017 13:01
PCB-1221	< 0.200	ug/L		1/23/2017 13:01
PCB-1232	< 0.200	ug/L		1/23/2017 13:01
PCB-1242	< 0.200	ug/L		1/23/2017 13:01
PCB-1248	< 0.200	ug/L		1/23/2017 13:01
PCB-1254	< 0.200	ug/L		1/23/2017 13:01
PCB-1260	< 0.200	ug/L		1/23/2017 13:01
PCB-1262	< 0.200	ug/L		1/23/2017 13:01
PCB-1268	< 0.200	ug/L		1/23/2017 13:01

Surrogate	Percent Recovery	Limits	Outliers	Date Analyzed
Decachlorobiphenyl	**58.7**	10 - 105		1/23/2017 13:01
Tetrachloro-m-xylene	**43.3**	15.7 - 95.8		1/23/2017 13:01

Reporting limit elevated due to sample matrix

Method Reference(s): EPA 8082A
EPA 3510C

Preparation Date: 1/19/2017

Report Prepared Tuesday, January 24, 2017

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 170188

Client: **C&S Companies**

Project Reference: 100 Dona Street

Sample Identifier: GW-1
Lab Sample ID: 170188-01 **Date Sampled:** 1/16/2017
Matrix: Water **Date Received:** 1/17/2017

Semi-Volatile Organics (Acid/Base Neutrals)

Analyte	Result	Units	Qualifier	Date Analyzed
1,1-Biphenyl	< 10.0	ug/L		1/18/2017 20:21
1,2,4,5-Tetrachlorobenzene	< 10.0	ug/L		1/18/2017 20:21
1,2,4-Trichlorobenzene	< 10.0	ug/L		1/18/2017 20:21
1,2-Dichlorobenzene	< 10.0	ug/L		1/18/2017 20:21
1,3-Dichlorobenzene	< 10.0	ug/L		1/18/2017 20:21
1,4-Dichlorobenzene	< 10.0	ug/L		1/18/2017 20:21
2,2-Oxybis (1-chloropropane)	< 10.0	ug/L		1/18/2017 20:21
2,3,4,6-Tetrachlorophenol	< 10.0	ug/L		1/18/2017 20:21
2,4,5-Trichlorophenol	< 20.0	ug/L		1/18/2017 20:21
2,4,6-Trichlorophenol	< 10.0	ug/L		1/18/2017 20:21
2,4-Dichlorophenol	< 10.0	ug/L		1/18/2017 20:21
2,4-Dimethylphenol	< 10.0	ug/L		1/18/2017 20:21
2,4-Dinitrophenol	< 20.0	ug/L		1/18/2017 20:21
2,4-Dinitrotoluene	< 10.0	ug/L		1/18/2017 20:21
2,6-Dinitrotoluene	< 10.0	ug/L		1/18/2017 20:21
2-Chloronaphthalene	< 10.0	ug/L		1/18/2017 20:21
2-Chlorophenol	< 10.0	ug/L		1/18/2017 20:21
2-Methylnapthalene	< 10.0	ug/L		1/18/2017 20:21
2-Methylphenol	< 10.0	ug/L		1/18/2017 20:21
2-Nitroaniline	< 20.0	ug/L		1/18/2017 20:21
2-Nitrophenol	< 10.0	ug/L		1/18/2017 20:21
3&4-Methylphenol	< 10.0	ug/L		1/18/2017 20:21
3,3'-Dichlorobenzidine	< 10.0	ug/L		1/18/2017 20:21
3-Nitroaniline	< 20.0	ug/L		1/18/2017 20:21
4,6-Dinitro-2-methylphenol	< 20.0	ug/L		1/18/2017 20:21
4-Bromophenyl phenyl ether	< 10.0	ug/L		1/18/2017 20:21
4-Chloro-3-methylphenol	< 10.0	ug/L		1/18/2017 20:21

Report Prepared Tuesday, January 24, 2017

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 170188

Client: **C&S Companies**

Project Reference: 100 Dona Street

Sample Identifier: GW-1
Lab Sample ID: 170188-01 **Date Sampled:** 1/16/2017
Matrix: Water **Date Received:** 1/17/2017

4-Chloroaniline	< 10.0	ug/L	1/18/2017	20:21
4-Chlorophenyl phenyl ether	< 10.0	ug/L	1/18/2017	20:21
4-Nitroaniline	< 20.0	ug/L	1/18/2017	20:21
4-Nitrophenol	< 20.0	ug/L	1/18/2017	20:21
Acenaphthene	< 10.0	ug/L	1/18/2017	20:21
Acenaphthylene	< 10.0	ug/L	1/18/2017	20:21
Acetophenone	< 10.0	ug/L	1/18/2017	20:21
Anthracene	< 10.0	ug/L	1/18/2017	20:21
Atrazine	< 10.0	ug/L	1/18/2017	20:21
Benzaldehyde	< 10.0	ug/L	1/18/2017	20:21
Benzo (a) anthracene	< 10.0	ug/L	1/18/2017	20:21
Benzo (a) pyrene	< 10.0	ug/L	1/18/2017	20:21
Benzo (b) fluoranthene	< 10.0	ug/L	1/18/2017	20:21
Benzo (g,h,i) perylene	< 10.0	ug/L	1/18/2017	20:21
Benzo (k) fluoranthene	< 10.0	ug/L	1/18/2017	20:21
Bis (2-chloroethoxy) methane	< 10.0	ug/L	1/18/2017	20:21
Bis (2-chloroethyl) ether	< 10.0	ug/L	1/18/2017	20:21
Bis (2-ethylhexyl) phthalate	< 10.0	ug/L	1/18/2017	20:21
Butylbenzylphthalate	< 10.0	ug/L	1/18/2017	20:21
Caprolactam	< 10.0	ug/L	1/18/2017	20:21
Carbazole	< 10.0	ug/L	1/18/2017	20:21
Chrysene	< 10.0	ug/L	1/18/2017	20:21
Dibenz (a,h) anthracene	< 10.0	ug/L	1/18/2017	20:21
Dibenzofuran	< 10.0	ug/L	1/18/2017	20:21
Diethyl phthalate	< 10.0	ug/L	1/18/2017	20:21
Dimethyl phthalate	< 20.0	ug/L	1/18/2017	20:21
Di-n-butyl phthalate	< 10.0	ug/L	1/18/2017	20:21
Di-n-octylphthalate	< 10.0	ug/L	1/18/2017	20:21
Fluoranthene	< 10.0	ug/L	1/18/2017	20:21
Fluorene	< 10.0	ug/L	1/18/2017	20:21

Report Prepared Tuesday, January 24, 2017

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 170188

Client: **C&S Companies**

Project Reference: 100 Dona Street

Sample Identifier: GW-1
Lab Sample ID: 170188-01 **Date Sampled:** 1/16/2017
Matrix: Water **Date Received:** 1/17/2017

Hexachlorobenzene	< 10.0	ug/L		1/18/2017 20:21
Hexachlorobutadiene	< 10.0	ug/L		1/18/2017 20:21
Hexachlorocyclopentadiene	< 10.0	ug/L		1/18/2017 20:21
Hexachloroethane	< 10.0	ug/L		1/18/2017 20:21
Indeno (1,2,3-cd) pyrene	< 10.0	ug/L		1/18/2017 20:21
Isophorone	< 10.0	ug/L		1/18/2017 20:21
Naphthalene	< 10.0	ug/L		1/18/2017 20:21
Nitrobenzene	< 10.0	ug/L		1/18/2017 20:21
N-Nitroso-di-n-propylamine	< 10.0	ug/L		1/18/2017 20:21
N-Nitrosodiphenylamine	< 10.0	ug/L		1/18/2017 20:21
Pentachlorophenol	< 20.0	ug/L		1/18/2017 20:21
Phenanthrene	< 10.0	ug/L		1/18/2017 20:21
Phenol	< 10.0	ug/L		1/18/2017 20:21
Pyrene	< 10.0	ug/L		1/18/2017 20:21

Surrogate	Percent Recovery	Limits	Outliers	Date Analyzed
2,4,6-Tribromophenol	**77.2**	32.4 - 137		1/18/2017 20:21
2-Fluorobiphenyl	**60.5**	44.7 - 111		1/18/2017 20:21
2-Fluorophenol	**40.2**	12 - 101		1/18/2017 20:21
Nitrobenzene-d5	**71.1**	52 - 99.4		1/18/2017 20:21
Phenol-d5	**25.9**	10 - 103		1/18/2017 20:21
Terphenyl-d14	**67.5**	57.9 - 113		1/18/2017 20:21

Method Reference(s): EPA 8270D
EPA 3510C
Preparation Date: 1/18/2017
Data File: B16532.D

Report Prepared Tuesday, January 24, 2017

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 170188

Client: **C&S Companies**

Project Reference: 100 Dona Street

Sample Identifier: GW-1
Lab Sample ID: 170188-01 **Date Sampled:** 1/16/2017
Matrix: Water **Date Received:** 1/17/2017

Volatile Organics

Analyte	Result	Units	Qualifier	Date Analyzed
1,1,1-Trichloroethane	< 2.00	ug/L		1/18/2017 19:43
1,1,2,2-Tetrachloroethane	< 2.00	ug/L		1/18/2017 19:43
1,1,2-Trichloroethane	< 2.00	ug/L		1/18/2017 19:43
1,1-Dichloroethane	< 2.00	ug/L		1/18/2017 19:43
1,1-Dichloroethene	< 2.00	ug/L		1/18/2017 19:43
1,2,3-Trichlorobenzene	< 5.00	ug/L		1/18/2017 19:43
1,2,4-Trichlorobenzene	< 5.00	ug/L		1/18/2017 19:43
1,2,4-Trimethylbenzene	< 2.00	ug/L		1/18/2017 19:43
1,2-Dibromo-3-Chloropropane	< 10.0	ug/L		1/18/2017 19:43
1,2-Dibromoethane	< 2.00	ug/L		1/18/2017 19:43
1,2-Dichlorobenzene	< 2.00	ug/L		1/18/2017 19:43
1,2-Dichloroethane	< 2.00	ug/L		1/18/2017 19:43
1,2-Dichloropropane	< 2.00	ug/L		1/18/2017 19:43
1,3,5-Trimethylbenzene	< 2.00	ug/L		1/18/2017 19:43
1,3-Dichlorobenzene	< 2.00	ug/L		1/18/2017 19:43
1,4-Dichlorobenzene	< 2.00	ug/L		1/18/2017 19:43
1,4-dioxane	< 20.0	ug/L		1/18/2017 19:43
2-Butanone	< 10.0	ug/L		1/18/2017 19:43
2-Hexanone	< 5.00	ug/L		1/18/2017 19:43
4-Methyl-2-pentanone	< 5.00	ug/L		1/18/2017 19:43
Acetone	**18.7**	ug/L		1/18/2017 19:43
Benzene	< 1.00	ug/L		1/18/2017 19:43
Bromochloromethane	< 5.00	ug/L		1/18/2017 19:43
Bromodichloromethane	< 2.00	ug/L		1/18/2017 19:43
Bromoform	< 5.00	ug/L		1/18/2017 19:43
Bromomethane	< 2.00	ug/L		1/18/2017 19:43
Carbon disulfide	**1.49**	ug/L	J	1/18/2017 19:43

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 170188

Client: **C&S Companies**

Project Reference: 100 Dona Street

Sample Identifier: GW-1
Lab Sample ID: 170188-01 **Date Sampled:** 1/16/2017
Matrix: Water **Date Received:** 1/17/2017

Carbon Tetrachloride	< 2.00	ug/L	1/18/2017	19:43
Chlorobenzene	< 2.00	ug/L	1/18/2017	19:43
Chloroethane	< 2.00	ug/L	1/18/2017	19:43
Chloroform	< 2.00	ug/L	1/18/2017	19:43
Chloromethane	< 2.00	ug/L	1/18/2017	19:43
cis-1,2-Dichloroethene	< 2.00	ug/L	1/18/2017	19:43
cis-1,3-Dichloropropene	< 2.00	ug/L	1/18/2017	19:43
Cyclohexane	< 10.0	ug/L	1/18/2017	19:43
Dibromochloromethane	< 2.00	ug/L	1/18/2017	19:43
Dichlorodifluoromethane	< 2.00	ug/L	1/18/2017	19:43
Ethylbenzene	< 2.00	ug/L	1/18/2017	19:43
Freon 113	< 2.00	ug/L	1/18/2017	19:43
Isopropylbenzene	< 2.00	ug/L	1/18/2017	19:43
m,p-Xylene	< 2.00	ug/L	1/18/2017	19:43
Methyl acetate	< 2.00	ug/L	1/18/2017	19:43
Methyl tert-butyl Ether	< 2.00	ug/L	1/18/2017	19:43
Methylcyclohexane	< 2.00	ug/L	1/18/2017	19:43
Methylene chloride	< 5.00	ug/L	1/18/2017	19:43
Naphthalene	< 5.00	ug/L	1/18/2017	19:43
n-Butylbenzene	< 2.00	ug/L	1/18/2017	19:43
n-Propylbenzene	< 2.00	ug/L	1/18/2017	19:43
o-Xylene	< 2.00	ug/L	1/18/2017	19:43
p-Isopropyltoluene	< 2.00	ug/L	1/18/2017	19:43
sec-Butylbenzene	< 2.00	ug/L	1/18/2017	19:43
Styrene	< 5.00	ug/L	1/18/2017	19:43
tert-Butylbenzene	< 2.00	ug/L	1/18/2017	19:43
Tetrachloroethene	< 2.00	ug/L	1/18/2017	19:43
Toluene	< 2.00	ug/L	1/18/2017	19:43
trans-1,2-Dichloroethene	< 2.00	ug/L	1/18/2017	19:43
trans-1,3-Dichloropropene	< 2.00	ug/L	1/18/2017	19:43

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 170188

Client: **C&S Companies**

Project Reference: 100 Dona Street

Sample Identifier: GW-1
Lab Sample ID: 170188-01 **Date Sampled:** 1/16/2017
Matrix: Water **Date Received:** 1/17/2017

Trichloroethene	< 2.00	ug/L			1/18/2017 19:43
Trichlorofluoromethane	< 2.00	ug/L			1/18/2017 19:43
Vinyl chloride	< 2.00	ug/L			1/18/2017 19:43

Surrogate	Percent Recovery	Limits	Outliers	Date Analyzed
1,2-Dichloroethane-d4	**101**	81.2 - 120		1/18/2017 19:43
4-Bromofluorobenzene	**91.8**	82.4 - 112		1/18/2017 19:43
Pentafluorobenzene	**87.9**	90.2 - 112	*	1/18/2017 19:43
Toluene-D8	**100**	89.9 - 109		1/18/2017 19:43

Method Reference(s): EPA 8260C
EPA 5030C
Data File: x38552.D

FINAL

This report is part of a multipage document and should only be evaluated in its entirety. The Chain of Custody provides additional sample information, including compliance with the sample condition requirements upon receipt.

Report Prepared Tuesday, January 24, 2017

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 170188

Client: **C&S Companies**

Project Reference: 100 Dona Street

Sample Identifier:	GW-2		
Lab Sample ID:	170188-02	**Date Sampled:**	1/16/2017
Matrix:	Water	**Date Received:**	1/17/2017

Part 375 Metals (ICP)

Analyte	Result	Units	Qualifier	Date Analyzed
Arsenic	< 0.0100	mg/L		1/20/2017 15:19
Barium	**0.0766**	mg/L	J	1/20/2017 15:19
Beryllium	< 0.00500	mg/L		1/20/2017 15:19
Cadmium	< 0.00500	mg/L		1/20/2017 15:19
Chromium	**0.0285**	mg/L		1/20/2017 15:19
Copper	**0.0125**	mg/L	J	1/20/2017 15:19
Lead	< 0.0100	mg/L		1/20/2017 15:19
Manganese	**0.323**	mg/L		1/20/2017 15:19
Nickel	**0.0240**	mg/L	J	1/20/2017 15:19
Selenium	**0.0119**	mg/L		1/23/2017 14:43
Silver	< 0.0100	mg/L		1/20/2017 15:19
Zinc	**0.0382**	mg/L	J	1/20/2017 15:19

Method Reference(s): EPA 6010C
EPA 3005A
Preparation Date: 1/19/2017
Data File: 012017a

Report Prepared Tuesday, January 24, 2017

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 170188

Client: **C&S Companies**

Project Reference: 100 Dona Street

Sample Identifier:	GW-2		
Lab Sample ID:	170188-02	**Date Sampled:**	1/16/2017
Matrix:	Water	**Date Received:**	1/17/2017

Mercury

Analyte	Result	Units	Qualifier	Date Analyzed
Mercury	< 0.000200	mg/L		1/18/2017 17:18

Method Reference(s): EPA 7470A
Preparation Date: 1/18/2017
Data File: Hg170118A

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This report is part of a multipage document and should only be evaluated in its entirety. The Chain of Custody provides additional sample information, including compliance with the sample condition requirements upon receipt.

Report Prepared Tuesday, January 24, 2017

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 170188

Client: **C&S Companies**

Project Reference: 100 Dona Street

Sample Identifier: GW-2
Lab Sample ID: 170188-02 **Date Sampled:** 1/16/2017
Matrix: Water **Date Received:** 1/17/2017

PCBs

Analyte	Result	Units	Qualifier	Date Analyzed
PCB-1016	< 0.200	ug/L		1/23/2017 13:23
PCB-1221	< 0.200	ug/L		1/23/2017 13:23
PCB-1232	< 0.200	ug/L		1/23/2017 13:23
PCB-1242	< 0.200	ug/L		1/23/2017 13:23
PCB-1248	< 0.200	ug/L		1/23/2017 13:23
PCB-1254	< 0.200	ug/L		1/23/2017 13:23
PCB-1260	< 0.200	ug/L		1/23/2017 13:23
PCB-1262	< 0.200	ug/L		1/23/2017 13:23
PCB-1268	< 0.200	ug/L		1/23/2017 13:23

Surrogate	Percent Recovery	Limits	Outliers	Date Analyzed
Decachlorobiphenyl	**39.7**	10 - 105		1/23/2017 13:23
Tetrachloro-m-xylene	**53.6**	15.7 - 95.8		1/23/2017 13:23

Reporting limit elevated due to sample matrix

Method Reference(s): EPA 8082A
EPA 3510C

Preparation Date: 1/19/2017

Report Prepared Tuesday, January 24, 2017

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 170188

Client: **C&S Companies**

Project Reference: 100 Dona Street

Sample Identifier: GW-2
Lab Sample ID: 170188-02 **Date Sampled:** 1/16/2017
Matrix: Water **Date Received:** 1/17/2017

Semi-Volatile Organics (Acid/Base Neutrals)

Analyte	Result	Units	Qualifier	Date Analyzed
1,1-Biphenyl	< 10.0	ug/L		1/19/2017 21:09
1,2,4,5-Tetrachlorobenzene	< 10.0	ug/L		1/19/2017 21:09
1,2,4-Trichlorobenzene	< 10.0	ug/L		1/19/2017 21:09
1,2-Dichlorobenzene	< 10.0	ug/L		1/19/2017 21:09
1,3-Dichlorobenzene	< 10.0	ug/L		1/19/2017 21:09
1,4-Dichlorobenzene	< 10.0	ug/L		1/19/2017 21:09
2,2-Oxybis (1-chloropropane)	< 10.0	ug/L		1/19/2017 21:09
2,3,4,6-Tetrachlorophenol	< 10.0	ug/L		1/19/2017 21:09
2,4,5-Trichlorophenol	< 20.0	ug/L		1/19/2017 21:09
2,4,6-Trichlorophenol	< 10.0	ug/L		1/19/2017 21:09
2,4-Dichlorophenol	< 10.0	ug/L		1/19/2017 21:09
2,4-Dimethylphenol	< 10.0	ug/L		1/19/2017 21:09
2,4-Dinitrophenol	< 20.0	ug/L		1/19/2017 21:09
2,4-Dinitrotoluene	< 10.0	ug/L		1/19/2017 21:09
2,6-Dinitrotoluene	< 10.0	ug/L		1/19/2017 21:09
2-Chloronaphthalene	< 10.0	ug/L		1/19/2017 21:09
2-Chlorophenol	< 10.0	ug/L		1/19/2017 21:09
2-Methylnapthalene	< 10.0	ug/L		1/19/2017 21:09
2-Methylphenol	< 10.0	ug/L		1/19/2017 21:09
2-Nitroaniline	< 20.0	ug/L		1/19/2017 21:09
2-Nitrophenol	< 10.0	ug/L		1/19/2017 21:09
3&4-Methylphenol	< 10.0	ug/L		1/19/2017 21:09
3,3'-Dichlorobenzidine	< 10.0	ug/L		1/19/2017 21:09
3-Nitroaniline	< 20.0	ug/L		1/19/2017 21:09
4,6-Dinitro-2-methylphenol	< 20.0	ug/L		1/19/2017 21:09
4-Bromophenyl phenyl ether	< 10.0	ug/L		1/19/2017 21:09
4-Chloro-3-methylphenol	< 10.0	ug/L		1/19/2017 21:09

Report Prepared Tuesday, January 24, 2017

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 170188

Client: **C&S Companies**

Project Reference: 100 Dona Street

Sample Identifier: GW-2
Lab Sample ID: 170188-02 **Date Sampled:** 1/16/2017
Matrix: Water **Date Received:** 1/17/2017

4-Chloroaniline	< 10.0	ug/L		1/19/2017 21:09
4-Chlorophenyl phenyl ether	< 10.0	ug/L		1/19/2017 21:09
4-Nitroaniline	< 20.0	ug/L		1/19/2017 21:09
4-Nitrophenol	< 20.0	ug/L		1/19/2017 21:09
Acenaphthene	< 10.0	ug/L		1/19/2017 21:09
Acenaphthylene	< 10.0	ug/L		1/19/2017 21:09
Acetophenone	< 10.0	ug/L		1/19/2017 21:09
Anthracene	< 10.0	ug/L		1/19/2017 21:09
Atrazine	< 10.0	ug/L		1/19/2017 21:09
Benzaldehyde	< 10.0	ug/L		1/19/2017 21:09
Benzo (a) anthracene	< 10.0	ug/L		1/19/2017 21:09
Benzo (a) pyrene	< 10.0	ug/L		1/19/2017 21:09
Benzo (b) fluoranthene	< 10.0	ug/L		1/19/2017 21:09
Benzo (g,h,i) perylene	< 10.0	ug/L		1/19/2017 21:09
Benzo (k) fluoranthene	< 10.0	ug/L		1/19/2017 21:09
Bis (2-chloroethoxy) methane	< 10.0	ug/L		1/19/2017 21:09
Bis (2-chloroethyl) ether	< 10.0	ug/L		1/19/2017 21:09
Bis (2-ethylhexyl) phthalate	< 10.0	ug/L		1/19/2017 21:09
Butylbenzylphthalate	< 10.0	ug/L		1/19/2017 21:09
Caprolactam	< 10.0	ug/L		1/19/2017 21:09
Carbazole	< 10.0	ug/L		1/19/2017 21:09
Chrysene	< 10.0	ug/L		1/19/2017 21:09
Dibenz (a,h) anthracene	< 10.0	ug/L		1/19/2017 21:09
Dibenzofuran	< 10.0	ug/L		1/19/2017 21:09
Diethyl phthalate	< 10.0	ug/L		1/19/2017 21:09
Dimethyl phthalate	< 20.0	ug/L		1/19/2017 21:09
Di-n-butyl phthalate	< 10.0	ug/L		1/19/2017 21:09
Di-n-octylphthalate	< 10.0	ug/L		1/19/2017 21:09
Fluoranthene	< 10.0	ug/L		1/19/2017 21:09
Fluorene	< 10.0	ug/L		1/19/2017 21:09

Report Prepared Tuesday, January 24, 2017

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 170188

Client: **C&S Companies**

Project Reference: 100 Dona Street

Sample Identifier: GW-2
Lab Sample ID: 170188-02 **Date Sampled:** 1/16/2017
Matrix: Water **Date Received:** 1/17/2017

Hexachlorobenzene	< 10.0	ug/L		1/19/2017 21:09
Hexachlorobutadiene	< 10.0	ug/L		1/19/2017 21:09
Hexachlorocyclopentadiene	< 10.0	ug/L		1/19/2017 21:09
Hexachloroethane	< 10.0	ug/L		1/19/2017 21:09
Indeno (1,2,3-cd) pyrene	< 10.0	ug/L		1/19/2017 21:09
Isophorone	< 10.0	ug/L		1/19/2017 21:09
Naphthalene	< 10.0	ug/L		1/19/2017 21:09
Nitrobenzene	< 10.0	ug/L		1/19/2017 21:09
N-Nitroso-di-n-propylamine	< 10.0	ug/L		1/19/2017 21:09
N-Nitrosodiphenylamine	< 10.0	ug/L		1/19/2017 21:09
Pentachlorophenol	< 20.0	ug/L		1/19/2017 21:09
Phenanthrene	< 10.0	ug/L		1/19/2017 21:09
Phenol	< 10.0	ug/L		1/19/2017 21:09
Pyrene	< 10.0	ug/L		1/19/2017 21:09

Surrogate	Percent Recovery	Limits	Outliers	Date Analyzed
2,4,6-Tribromophenol	**87.0**	32.4 - 137		1/19/2017 21:09
2-Fluorobiphenyl	**64.9**	44.7 - 111		1/19/2017 21:09
2-Fluorophenol	**39.3**	12 - 101		1/19/2017 21:09
Nitrobenzene-d5	**70.5**	52 - 99.4		1/19/2017 21:09
Phenol-d5	**24.8**	10 - 103		1/19/2017 21:09
Terphenyl-d14	**83.7**	57.9 - 113		1/19/2017 21:09

Method Reference(s): EPA 8270D
EPA 3510C
Preparation Date: 1/18/2017
Data File: B16553.D

Report Prepared Tuesday, January 24, 2017

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 170188

Client: **C&S Companies**

Project Reference: 100 Dona Street

Sample Identifier: GW-2
Lab Sample ID: 170188-02 **Date Sampled:** 1/16/2017
Matrix: Water **Date Received:** 1/17/2017

Volatile Organics

Analyte	Result	Units	Qualifier	Date Analyzed
1,1,1-Trichloroethane	< 2.00	ug/L		1/18/2017 19:19
1,1,2,2-Tetrachloroethane	< 2.00	ug/L		1/18/2017 19:19
1,1,2-Trichloroethane	< 2.00	ug/L		1/18/2017 19:19
1,1-Dichloroethane	< 2.00	ug/L		1/18/2017 19:19
1,1-Dichloroethene	< 2.00	ug/L		1/18/2017 19:19
1,2,3-Trichlorobenzene	< 5.00	ug/L		1/18/2017 19:19
1,2,4-Trichlorobenzene	< 5.00	ug/L		1/18/2017 19:19
1,2,4-Trimethylbenzene	< 2.00	ug/L		1/18/2017 19:19
1,2-Dibromo-3-Chloropropane	< 10.0	ug/L		1/18/2017 19:19
1,2-Dibromoethane	< 2.00	ug/L		1/18/2017 19:19
1,2-Dichlorobenzene	< 2.00	ug/L		1/18/2017 19:19
1,2-Dichloroethane	< 2.00	ug/L		1/18/2017 19:19
1,2-Dichloropropane	< 2.00	ug/L		1/18/2017 19:19
1,3,5-Trimethylbenzene	< 2.00	ug/L		1/18/2017 19:19
1,3-Dichlorobenzene	< 2.00	ug/L		1/18/2017 19:19
1,4-Dichlorobenzene	< 2.00	ug/L		1/18/2017 19:19
1,4-dioxane	< 20.0	ug/L		1/18/2017 19:19
2-Butanone	< 10.0	ug/L		1/18/2017 19:19
2-Hexanone	< 5.00	ug/L		1/18/2017 19:19
4-Methyl-2-pentanone	< 5.00	ug/L		1/18/2017 19:19
Acetone	**5.75**	ug/L	J	1/18/2017 19:19
Benzene	< 1.00	ug/L		1/18/2017 19:19
Bromochloromethane	< 5.00	ug/L		1/18/2017 19:19
Bromodichloromethane	< 2.00	ug/L		1/18/2017 19:19
Bromoform	< 5.00	ug/L		1/18/2017 19:19
Bromomethane	< 2.00	ug/L		1/18/2017 19:19
Carbon disulfide	< 2.00	ug/L		1/18/2017 19:19

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 170188

Client: **C&S Companies**

Project Reference: 100 Dona Street

Sample Identifier: GW-2
Lab Sample ID: 170188-02 **Date Sampled:** 1/16/2017
Matrix: Water **Date Received:** 1/17/2017

Carbon Tetrachloride	< 2.00	ug/L	1/18/2017	19:19
Chlorobenzene	< 2.00	ug/L	1/18/2017	19:19
Chloroethane	< 2.00	ug/L	1/18/2017	19:19
Chloroform	< 2.00	ug/L	1/18/2017	19:19
Chloromethane	< 2.00	ug/L	1/18/2017	19:19
cis-1,2-Dichloroethene	< 2.00	ug/L	1/18/2017	19:19
cis-1,3-Dichloropropene	< 2.00	ug/L	1/18/2017	19:19
Cyclohexane	< 10.0	ug/L	1/18/2017	19:19
Dibromochloromethane	< 2.00	ug/L	1/18/2017	19:19
Dichlorodifluoromethane	< 2.00	ug/L	1/18/2017	19:19
Ethylbenzene	< 2.00	ug/L	1/18/2017	19:19
Freon 113	< 2.00	ug/L	1/18/2017	19:19
Isopropylbenzene	< 2.00	ug/L	1/18/2017	19:19
m,p-Xylene	< 2.00	ug/L	1/18/2017	19:19
Methyl acetate	< 2.00	ug/L	1/18/2017	19:19
Methyl tert-butyl Ether	< 2.00	ug/L	1/18/2017	19:19
Methylcyclohexane	**6.05**	ug/L	1/18/2017	19:19
Methylene chloride	< 5.00	ug/L	1/18/2017	19:19
Naphthalene	< 5.00	ug/L	1/18/2017	19:19
n-Butylbenzene	< 2.00	ug/L	1/18/2017	19:19
n-Propylbenzene	< 2.00	ug/L	1/18/2017	19:19
o-Xylene	< 2.00	ug/L	1/18/2017	19:19
p-Isopropyltoluene	< 2.00	ug/L	1/18/2017	19:19
sec-Butylbenzene	< 2.00	ug/L	1/18/2017	19:19
Styrene	< 5.00	ug/L	1/18/2017	19:19
tert-Butylbenzene	< 2.00	ug/L	1/18/2017	19:19
Tetrachloroethene	< 2.00	ug/L	1/18/2017	19:19
Toluene	< 2.00	ug/L	1/18/2017	19:19
trans-1,2-Dichloroethene	< 2.00	ug/L	1/18/2017	19:19
trans-1,3-Dichloropropene	< 2.00	ug/L	1/18/2017	19:19

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 170188

Client: **C&S Companies**

Project Reference: 100 Dona Street

Sample Identifier: GW-2
Lab Sample ID: 170188-02 **Date Sampled:** 1/16/2017
Matrix: Water **Date Received:** 1/17/2017

Trichloroethene	< 2.00	ug/L			1/18/2017 19:19
Trichlorofluoromethane	< 2.00	ug/L			1/18/2017 19:19
Vinyl chloride	< 2.00	ug/L			1/18/2017 19:19

Surrogate	Percent Recovery	Limits	Outliers	Date Analyzed
1,2-Dichloroethane-d4	**91.9**	81.2 - 120		1/18/2017 19:19
4-Bromofluorobenzene	**90.8**	82.4 - 112		1/18/2017 19:19
Pentafluorobenzene	**88.4**	90.2 - 112	*	1/18/2017 19:19
Toluene-D8	**104**	89.9 - 109		1/18/2017 19:19

Method Reference(s): EPA 8260C
EPA 5030C
Data File: x38551.D

FINAL

This report is part of a multipage document and should only be evaluated in its entirety. The Chain of Custody provides additional sample information, including compliance with the sample condition requirements upon receipt.

Report Prepared Tuesday, January 24, 2017

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 170188

Client: **C&S Companies**

Project Reference: 100 Dona Street

Sample Identifier:	GW-3		
Lab Sample ID:	170188-03	**Date Sampled:**	1/16/2017
Matrix:	Water	**Date Received:**	1/17/2017

Mercury

Analyte	Result	Units	Qualifier	Date Analyzed
Mercury	**0.000116**	mg/L	J	1/18/2017 17:21

Method Reference(s): EPA 7470A
Preparation Date: 1/18/2017
Data File: Hg170118A

FINAL

Report Prepared Tuesday, January 24, 2017

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 170188

Client: **C&S Companies**

Project Reference: 100 Dona Street

Sample Identifier: GW-3
Lab Sample ID: 170188-03 **Date Sampled:** 1/16/2017
Matrix: Water **Date Received:** 1/17/2017

TAL Metals (ICP)

Analyte	Result	Units	Qualifier	Date Analyzed
Aluminum	**37.3**	mg/L		1/20/2017 15:23
Antimony	< 0.0600	mg/L		1/20/2017 15:23
Arsenic	**0.0199**	mg/L		1/23/2017 14:47
Barium	**0.372**	mg/L		1/20/2017 15:23
Beryllium	< 0.00500	mg/L		1/20/2017 15:23
Cadmium	< 0.00500	mg/L		1/20/2017 15:23
Calcium	**431**	mg/L		1/20/2017 15:23
Chromium	**0.0551**	mg/L		1/20/2017 15:23
Cobalt	< 0.0500	mg/L		1/20/2017 15:23
Copper	**0.0688**	mg/L		1/20/2017 15:23
Iron	**44.6**	mg/L		1/20/2017 15:23
Lead	**0.0295**	mg/L		1/20/2017 15:23
Magnesium	**62.3**	mg/L		1/20/2017 15:23
Manganese	**1.00**	mg/L		1/20/2017 15:23
Nickel	**0.0677**	mg/L		1/20/2017 15:23
Potassium	**15.4**	mg/L		1/20/2017 15:23
Selenium	< 0.0100	mg/L		1/23/2017 14:47
Silver	< 0.0100	mg/L		1/20/2017 15:23
Sodium	**40.4**	mg/L		1/20/2017 15:23
Thallium	< 0.0250	mg/L		1/20/2017 15:23
Vanadium	**0.0553**	mg/L		1/20/2017 15:23
Zinc	**0.211**	mg/L		1/20/2017 15:23

Method Reference(s): EPA 6010C
EPA 3005A
Preparation Date: 1/19/2017
Data File: 012017a

Report Prepared Tuesday, January 24, 2017

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 170188

Client: **C&S Companies**

Project Reference: 100 Dona Street

Sample Identifier: GW-3
Lab Sample ID: 170188-03 **Date Sampled:** 1/16/2017
Matrix: Water **Date Received:** 1/17/2017

PCBs

Analyte	Result	Units	Qualifier	Date Analyzed
PCB-1016	< 0.100	ug/L		1/21/2017 08:17
PCB-1221	< 0.100	ug/L		1/21/2017 08:17
PCB-1232	< 0.100	ug/L		1/21/2017 08:17
PCB-1242	< 0.100	ug/L		1/21/2017 08:17
PCB-1248	< 0.100	ug/L		1/21/2017 08:17
PCB-1254	< 0.100	ug/L		1/21/2017 08:17
PCB-1260	< 0.100	ug/L		1/21/2017 08:17
PCB-1262	< 0.100	ug/L		1/21/2017 08:17
PCB-1268	< 0.100	ug/L		1/21/2017 08:17

Surrogate	Percent Recovery	Limits	Outliers	Date Analyzed
Decachlorobiphenyl	**22.0**	10 - 105		1/21/2017 08:17
Tetrachloro-m-xylene	**53.7**	15.7 - 95.8		1/21/2017 08:17

Method Reference(s): EPA 8082A
EPA 3510C
Preparation Date: 1/19/2017

Report Prepared Tuesday, January 24, 2017

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 170188

Client: **C&S Companies**

Project Reference: 100 Dona Street

Sample Identifier: GW-3
Lab Sample ID: 170188-03 **Date Sampled:** 1/16/2017
Matrix: Water **Date Received:** 1/17/2017

Semi-Volatile Organics (Acid/Base Neutrals)

Analyte	Result	Units	Qualifier	Date Analyzed
1,1-Biphenyl	< 10.0	ug/L		1/18/2017 22:19
1,2,4,5-Tetrachlorobenzene	< 10.0	ug/L		1/18/2017 22:19
1,2,4-Trichlorobenzene	< 10.0	ug/L		1/18/2017 22:19
1,2-Dichlorobenzene	< 10.0	ug/L		1/18/2017 22:19
1,3-Dichlorobenzene	< 10.0	ug/L		1/18/2017 22:19
1,4-Dichlorobenzene	< 10.0	ug/L		1/18/2017 22:19
2,2-Oxybis (1-chloropropane)	< 10.0	ug/L		1/18/2017 22:19
2,3,4,6-Tetrachlorophenol	< 10.0	ug/L		1/18/2017 22:19
2,4,5-Trichlorophenol	< 20.0	ug/L		1/18/2017 22:19
2,4,6-Trichlorophenol	< 10.0	ug/L		1/18/2017 22:19
2,4-Dichlorophenol	< 10.0	ug/L		1/18/2017 22:19
2,4-Dimethylphenol	< 10.0	ug/L		1/18/2017 22:19
2,4-Dinitrophenol	< 20.0	ug/L		1/18/2017 22:19
2,4-Dinitrotoluene	< 10.0	ug/L		1/18/2017 22:19
2,6-Dinitrotoluene	< 10.0	ug/L		1/18/2017 22:19
2-Chloronaphthalene	< 10.0	ug/L		1/18/2017 22:19
2-Chlorophenol	< 10.0	ug/L		1/18/2017 22:19
2-Methylnapthalene	< 10.0	ug/L		1/18/2017 22:19
2-Methylphenol	< 10.0	ug/L		1/18/2017 22:19
2-Nitroaniline	< 20.0	ug/L		1/18/2017 22:19
2-Nitrophenol	< 10.0	ug/L		1/18/2017 22:19
3&4-Methylphenol	< 10.0	ug/L		1/18/2017 22:19
3,3'-Dichlorobenzidine	< 10.0	ug/L		1/18/2017 22:19
3-Nitroaniline	< 20.0	ug/L		1/18/2017 22:19
4,6-Dinitro-2-methylphenol	< 20.0	ug/L		1/18/2017 22:19
4-Bromophenyl phenyl ether	< 10.0	ug/L		1/18/2017 22:19
4-Chloro-3-methylphenol	< 10.0	ug/L		1/18/2017 22:19

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 170188

Client: **C&S Companies**

Project Reference: 100 Dona Street

Sample Identifier: GW-3
Lab Sample ID: 170188-03 **Date Sampled:** 1/16/2017
Matrix: Water **Date Received:** 1/17/2017

4-Chloroaniline	< 10.0	ug/L		1/18/2017 22:19
4-Chlorophenyl phenyl ether	< 10.0	ug/L		1/18/2017 22:19
4-Nitroaniline	< 20.0	ug/L		1/18/2017 22:19
4-Nitrophenol	< 20.0	ug/L		1/18/2017 22:19
Acenaphthene	< 10.0	ug/L		1/18/2017 22:19
Acenaphthylene	< 10.0	ug/L		1/18/2017 22:19
Acetophenone	< 10.0	ug/L		1/18/2017 22:19
Anthracene	< 10.0	ug/L		1/18/2017 22:19
Atrazine	< 10.0	ug/L		1/18/2017 22:19
Benzaldehyde	< 10.0	ug/L		1/18/2017 22:19
Benzo (a) anthracene	< 10.0	ug/L		1/18/2017 22:19
Benzo (a) pyrene	< 10.0	ug/L		1/18/2017 22:19
Benzo (b) fluoranthene	< 10.0	ug/L		1/18/2017 22:19
Benzo (g,h,i) perylene	< 10.0	ug/L		1/18/2017 22:19
Benzo (k) fluoranthene	< 10.0	ug/L		1/18/2017 22:19
Bis (2-chloroethoxy) methane	< 10.0	ug/L		1/18/2017 22:19
Bis (2-chloroethyl) ether	< 10.0	ug/L		1/18/2017 22:19
Bis (2-ethylhexyl) phthalate	< 10.0	ug/L		1/18/2017 22:19
Butylbenzylphthalate	< 10.0	ug/L		1/18/2017 22:19
Caprolactam	< 10.0	ug/L		1/18/2017 22:19
Carbazole	< 10.0	ug/L		1/18/2017 22:19
Chrysene	< 10.0	ug/L		1/18/2017 22:19
Dibenz (a,h) anthracene	< 10.0	ug/L		1/18/2017 22:19
Dibenzofuran	< 10.0	ug/L		1/18/2017 22:19
Diethyl phthalate	< 10.0	ug/L		1/18/2017 22:19
Dimethyl phthalate	< 20.0	ug/L		1/18/2017 22:19
Di-n-butyl phthalate	< 10.0	ug/L		1/18/2017 22:19
Di-n-octylphthalate	< 10.0	ug/L		1/18/2017 22:19
Fluoranthene	< 10.0	ug/L		1/18/2017 22:19
Fluorene	< 10.0	ug/L		1/18/2017 22:19

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 170188

Client: **C&S Companies**

Project Reference: 100 Dona Street

Sample Identifier: GW-3
Lab Sample ID: 170188-03 **Date Sampled:** 1/16/2017
Matrix: Water **Date Received:** 1/17/2017

Hexachlorobenzene	< 10.0	ug/L		1/18/2017 22:19
Hexachlorobutadiene	< 10.0	ug/L		1/18/2017 22:19
Hexachlorocyclopentadiene	< 10.0	ug/L		1/18/2017 22:19
Hexachloroethane	< 10.0	ug/L		1/18/2017 22:19
Indeno (1,2,3-cd) pyrene	< 10.0	ug/L		1/18/2017 22:19
Isophorone	< 10.0	ug/L		1/18/2017 22:19
Naphthalene	< 10.0	ug/L		1/18/2017 22:19
Nitrobenzene	< 10.0	ug/L		1/18/2017 22:19
N-Nitroso-di-n-propylamine	< 10.0	ug/L		1/18/2017 22:19
N-Nitrosodiphenylamine	< 10.0	ug/L		1/18/2017 22:19
Pentachlorophenol	< 20.0	ug/L		1/18/2017 22:19
Phenanthrene	< 10.0	ug/L		1/18/2017 22:19
Phenol	< 10.0	ug/L		1/18/2017 22:19
Pyrene	< 10.0	ug/L		1/18/2017 22:19

Surrogate	Percent Recovery	Limits	Outliers	Date Analyzed
2,4,6-Tribromophenol	**90.5**	32.4 - 137		1/18/2017 22:19
2-Fluorobiphenyl	**70.3**	44.7 - 111		1/18/2017 22:19
2-Fluorophenol	**45.5**	12 - 101		1/18/2017 22:19
Nitrobenzene-d5	**79.7**	52 - 99.4		1/18/2017 22:19
Phenol-d5	**29.1**	10 - 103		1/18/2017 22:19
Terphenyl-d14	**91.5**	57.9 - 113		1/18/2017 22:19

Method Reference(s): EPA 8270D
EPA 3510C
Preparation Date: 1/18/2017
Data File: B16536.D

Report Prepared Tuesday, January 24, 2017

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 170188

Client: **C&S Companies**

Project Reference: 100 Dona Street

Sample Identifier: GW-3
Lab Sample ID: 170188-03 **Date Sampled:** 1/16/2017
Matrix: Water **Date Received:** 1/17/2017

Volatile Organics

Analyte	Result	Units	Qualifier	Date Analyzed
1,1,1-Trichloroethane	< 2.00	ug/L		1/18/2017 18:50
1,1,2,2-Tetrachloroethane	< 2.00	ug/L		1/18/2017 18:50
1,1,2-Trichloroethane	< 2.00	ug/L		1/18/2017 18:50
1,1-Dichloroethane	< 2.00	ug/L		1/18/2017 18:50
1,1-Dichloroethene	< 2.00	ug/L		1/18/2017 18:50
1,2,3-Trichlorobenzene	< 5.00	ug/L		1/18/2017 18:50
1,2,4-Trichlorobenzene	< 5.00	ug/L		1/18/2017 18:50
1,2-Dibromo-3-Chloropropane	< 10.0	ug/L		1/18/2017 18:50
1,2-Dibromoethane	< 2.00	ug/L		1/18/2017 18:50
1,2-Dichlorobenzene	< 2.00	ug/L		1/18/2017 18:50
1,2-Dichloroethane	< 2.00	ug/L		1/18/2017 18:50
1,2-Dichloropropane	< 2.00	ug/L		1/18/2017 18:50
1,3-Dichlorobenzene	< 2.00	ug/L		1/18/2017 18:50
1,4-Dichlorobenzene	< 2.00	ug/L		1/18/2017 18:50
1,4-dioxane	< 20.0	ug/L		1/18/2017 18:50
2-Butanone	< 10.0	ug/L		1/18/2017 18:50
2-Hexanone	< 5.00	ug/L		1/18/2017 18:50
4-Methyl-2-pentanone	< 5.00	ug/L		1/18/2017 18:50
Acetone	**19.9**	ug/L		1/18/2017 18:50
Benzene	< 1.00	ug/L		1/18/2017 18:50
Bromochloromethane	< 5.00	ug/L		1/18/2017 18:50
Bromodichloromethane	< 2.00	ug/L		1/18/2017 18:50
Bromoform	< 5.00	ug/L		1/18/2017 18:50
Bromomethane	< 2.00	ug/L		1/18/2017 18:50
Carbon disulfide	< 2.00	ug/L		1/18/2017 18:50
Carbon Tetrachloride	< 2.00	ug/L		1/18/2017 18:50
Chlorobenzene	< 2.00	ug/L		1/18/2017 18:50

Report Prepared Tuesday, January 24, 2017

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 170188

Client: **C&S Companies**

Project Reference: 100 Dona Street

Sample Identifier: GW-3
Lab Sample ID: 170188-03 **Date Sampled:** 1/16/2017
Matrix: Water **Date Received:** 1/17/2017

Chloroethane	< 2.00	ug/L	1/18/2017	18:50
Chloroform	< 2.00	ug/L	1/18/2017	18:50
Chloromethane	< 2.00	ug/L	1/18/2017	18:50
cis-1,2-Dichloroethene	< 2.00	ug/L	1/18/2017	18:50
cis-1,3-Dichloropropene	< 2.00	ug/L	1/18/2017	18:50
Cyclohexane	< 10.0	ug/L	1/18/2017	18:50
Dibromochloromethane	< 2.00	ug/L	1/18/2017	18:50
Dichlorodifluoromethane	< 2.00	ug/L	1/18/2017	18:50
Ethylbenzene	< 2.00	ug/L	1/18/2017	18:50
Freon 113	< 2.00	ug/L	1/18/2017	18:50
Isopropylbenzene	< 2.00	ug/L	1/18/2017	18:50
m,p-Xylene	< 2.00	ug/L	1/18/2017	18:50
Methyl acetate	< 2.00	ug/L	1/18/2017	18:50
Methyl tert-butyl Ether	< 2.00	ug/L	1/18/2017	18:50
Methylcyclohexane	< 2.00	ug/L	1/18/2017	18:50
Methylene chloride	< 5.00	ug/L	1/18/2017	18:50
o-Xylene	< 2.00	ug/L	1/18/2017	18:50
Styrene	< 5.00	ug/L	1/18/2017	18:50
Tetrachloroethene	< 2.00	ug/L	1/18/2017	18:50
Toluene	< 2.00	ug/L	1/18/2017	18:50
trans-1,2-Dichloroethene	< 2.00	ug/L	1/18/2017	18:50
trans-1,3-Dichloropropene	< 2.00	ug/L	1/18/2017	18:50
Trichloroethene	< 2.00	ug/L	1/18/2017	18:50
Trichlorofluoromethane	< 2.00	ug/L	1/18/2017	18:50
Vinyl chloride	< 2.00	ug/L	1/18/2017	18:50

Report Prepared Tuesday, January 24, 2017

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 170188

Client: **C&S Companies**

Project Reference: 100 Dona Street

Sample Identifier: GW-3
Lab Sample ID: 170188-03 **Date Sampled:** 1/16/2017
Matrix: Water **Date Received:** 1/17/2017

Surrogate	Percent Recovery	Limits	Outliers	Date Analyzed	
1,2-Dichloroethane-d4	**104**	81.2 - 120		1/18/2017	18:50
4-Bromofluorobenzene	**91.8**	82.4 - 112		1/18/2017	18:50
Pentafluorobenzene	**88.8**	90.2 - 112	*	1/18/2017	18:50
Toluene-D8	**101**	89.9 - 109		1/18/2017	18:50

Method Reference(s): EPA 8260C
EPA 5030C
Data File: x38550.D

FINAL

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Report Prepared Tuesday, January 24, 2017

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 170188

Client: **C&S Companies**

Project Reference: 100 Dona Street

Sample Identifier:	DUP		
Lab Sample ID:	170188-04	**Date Sampled:**	1/16/2017
Matrix:	Water	**Date Received:**	1/17/2017

Mercury

Analyte	Result	Units	Qualifier	Date Analyzed
Mercury	< 0.000200	mg/L		1/18/2017 17:25

Method Reference(s): EPA 7470A
Preparation Date: 1/18/2017
Data File: Hg170118A

FINAL

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Report Prepared Tuesday, January 24, 2017

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 170188

Client: **C&S Companies**

Project Reference: 100 Dona Street

Sample Identifier: DUP
Lab Sample ID: 170188-04
Matrix: Water
Date Sampled: 1/16/2017
Date Received: 1/17/2017

TAL Metals (ICP)

Analyte	Result	Units	Qualifier	Date Analyzed
Aluminum	**34.7**	mg/L		1/20/2017 15:27
Antimony	< 0.0600	mg/L		1/20/2017 15:27
Arsenic	**0.0156**	mg/L		1/23/2017 14:51
Barium	**0.358**	mg/L		1/20/2017 15:27
Beryllium	< 0.00500	mg/L		1/20/2017 15:27
Cadmium	< 0.00500	mg/L		1/20/2017 15:27
Calcium	**436**	mg/L		1/20/2017 15:27
Chromium	**0.0502**	mg/L		1/20/2017 15:27
Cobalt	< 0.0500	mg/L		1/20/2017 15:27
Copper	**0.0667**	mg/L		1/20/2017 15:27
Iron	**42.7**	mg/L		1/20/2017 15:27
Lead	**0.0286**	mg/L		1/20/2017 15:27
Magnesium	**62.1**	mg/L		1/20/2017 15:27
Manganese	**1.00**	mg/L		1/20/2017 15:27
Nickel	**0.0638**	mg/L		1/20/2017 15:27
Potassium	**15.0**	mg/L		1/20/2017 15:27
Selenium	< 0.0100	mg/L		1/23/2017 14:51
Silver	< 0.0100	mg/L		1/20/2017 15:27
Sodium	**41.8**	mg/L		1/20/2017 15:27
Thallium	< 0.0250	mg/L		1/20/2017 15:27
Vanadium	**0.0524**	mg/L		1/20/2017 15:27
Zinc	**0.205**	mg/L		1/20/2017 15:27

Method Reference(s): EPA 6010C
EPA 3005A
Preparation Date: 1/19/2017
Data File: 012017a

Report Prepared Tuesday, January 24, 2017

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 170188

Client: **C&S Companies**

Project Reference: 100 Dona Street

Sample Identifier:	DUP		
Lab Sample ID:	170188-04	**Date Sampled:**	1/16/2017
Matrix:	Water	**Date Received:**	1/17/2017

PCBs

Analyte	Result	Units	Qualifier	Date Analyzed
PCB-1016	< 0.100	ug/L		1/21/2017 08:39
PCB-1221	< 0.100	ug/L		1/21/2017 08:39
PCB-1232	< 0.100	ug/L		1/21/2017 08:39
PCB-1242	< 0.100	ug/L		1/21/2017 08:39
PCB-1248	< 0.100	ug/L		1/21/2017 08:39
PCB-1254	< 0.100	ug/L		1/21/2017 08:39
PCB-1260	< 0.100	ug/L		1/21/2017 08:39
PCB-1262	< 0.100	ug/L		1/21/2017 08:39
PCB-1268	< 0.100	ug/L		1/21/2017 08:39

Surrogate	Percent Recovery	Limits	Outliers	Date Analyzed
Decachlorobiphenyl	**53.8**	10 - 105		1/21/2017 08:39
Tetrachloro-m-xylene	**50.9**	15.7 - 95.8		1/21/2017 08:39

Method Reference(s): EPA 8082A
EPA 3510C

Preparation Date: 1/19/2017

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 170188

Client: **C&S Companies**

Project Reference: 100 Dona Street

Sample Identifier: DUP
Lab Sample ID: 170188-04 **Date Sampled:** 1/16/2017
Matrix: Water **Date Received:** 1/17/2017

Semi-Volatile Organics (Acid/Base Neutrals)

Analyte	Result	Units	Qualifier	Date Analyzed
1,1-Biphenyl	< 10.0	ug/L		1/18/2017 22:48
1,2,4,5-Tetrachlorobenzene	< 10.0	ug/L		1/18/2017 22:48
1,2,4-Trichlorobenzene	< 10.0	ug/L		1/18/2017 22:48
1,2-Dichlorobenzene	< 10.0	ug/L		1/18/2017 22:48
1,3-Dichlorobenzene	< 10.0	ug/L		1/18/2017 22:48
1,4-Dichlorobenzene	< 10.0	ug/L		1/18/2017 22:48
2,2-Oxybis (1-chloropropane)	< 10.0	ug/L		1/18/2017 22:48
2,3,4,6-Tetrachlorophenol	< 10.0	ug/L		1/18/2017 22:48
2,4,5-Trichlorophenol	< 20.0	ug/L		1/18/2017 22:48
2,4,6-Trichlorophenol	< 10.0	ug/L		1/18/2017 22:48
2,4-Dichlorophenol	< 10.0	ug/L		1/18/2017 22:48
2,4-Dimethylphenol	< 10.0	ug/L		1/18/2017 22:48
2,4-Dinitrophenol	< 20.0	ug/L		1/18/2017 22:48
2,4-Dinitrotoluene	< 10.0	ug/L		1/18/2017 22:48
2,6-Dinitrotoluene	< 10.0	ug/L		1/18/2017 22:48
2-Chloronaphthalene	< 10.0	ug/L		1/18/2017 22:48
2-Chlorophenol	< 10.0	ug/L		1/18/2017 22:48
2-Methylnapthalene	< 10.0	ug/L		1/18/2017 22:48
2-Methylphenol	< 10.0	ug/L		1/18/2017 22:48
2-Nitroaniline	< 20.0	ug/L		1/18/2017 22:48
2-Nitrophenol	< 10.0	ug/L		1/18/2017 22:48
3&4-Methylphenol	< 10.0	ug/L		1/18/2017 22:48
3,3'-Dichlorobenzidine	< 10.0	ug/L		1/18/2017 22:48
3-Nitroaniline	< 20.0	ug/L		1/18/2017 22:48
4,6-Dinitro-2-methylphenol	< 20.0	ug/L		1/18/2017 22:48
4-Bromophenyl phenyl ether	< 10.0	ug/L		1/18/2017 22:48
4-Chloro-3-methylphenol	< 10.0	ug/L		1/18/2017 22:48

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 170188

Client: **C&S Companies**

Project Reference: 100 Dona Street

Sample Identifier: DUP
Lab Sample ID: 170188-04 **Date Sampled:** 1/16/2017
Matrix: Water **Date Received:** 1/17/2017

4-Chloroaniline	< 10.0	ug/L	1/18/2017	22:48
4-Chlorophenyl phenyl ether	< 10.0	ug/L	1/18/2017	22:48
4-Nitroaniline	< 20.0	ug/L	1/18/2017	22:48
4-Nitrophenol	< 20.0	ug/L	1/18/2017	22:48
Acenaphthene	< 10.0	ug/L	1/18/2017	22:48
Acenaphthylene	< 10.0	ug/L	1/18/2017	22:48
Acetophenone	< 10.0	ug/L	1/18/2017	22:48
Anthracene	< 10.0	ug/L	1/18/2017	22:48
Atrazine	< 10.0	ug/L	1/18/2017	22:48
Benzaldehyde	< 10.0	ug/L	1/18/2017	22:48
Benzo (a) anthracene	< 10.0	ug/L	1/18/2017	22:48
Benzo (a) pyrene	< 10.0	ug/L	1/18/2017	22:48
Benzo (b) fluoranthene	< 10.0	ug/L	1/18/2017	22:48
Benzo (g,h,i) perylene	< 10.0	ug/L	1/18/2017	22:48
Benzo (k) fluoranthene	< 10.0	ug/L	1/18/2017	22:48
Bis (2-chloroethoxy) methane	< 10.0	ug/L	1/18/2017	22:48
Bis (2-chloroethyl) ether	< 10.0	ug/L	1/18/2017	22:48
Bis (2-ethylhexyl) phthalate	< 10.0	ug/L	1/18/2017	22:48
Butylbenzylphthalate	< 10.0	ug/L	1/18/2017	22:48
Caprolactam	< 10.0	ug/L	1/18/2017	22:48
Carbazole	< 10.0	ug/L	1/18/2017	22:48
Chrysene	< 10.0	ug/L	1/18/2017	22:48
Dibenz (a,h) anthracene	< 10.0	ug/L	1/18/2017	22:48
Dibenzofuran	< 10.0	ug/L	1/18/2017	22:48
Diethyl phthalate	< 10.0	ug/L	1/18/2017	22:48
Dimethyl phthalate	< 20.0	ug/L	1/18/2017	22:48
Di-n-butyl phthalate	< 10.0	ug/L	1/18/2017	22:48
Di-n-octylphthalate	< 10.0	ug/L	1/18/2017	22:48
Fluoranthene	< 10.0	ug/L	1/18/2017	22:48
Fluorene	< 10.0	ug/L	1/18/2017	22:48

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 170188

Client: **C&S Companies**

Project Reference: 100 Dona Street

Sample Identifier: DUP
Lab Sample ID: 170188-04 **Date Sampled:** 1/16/2017
Matrix: Water **Date Received:** 1/17/2017

Hexachlorobenzene	< 10.0	ug/L		1/18/2017 22:48
Hexachlorobutadiene	< 10.0	ug/L		1/18/2017 22:48
Hexachlorocyclopentadiene	< 10.0	ug/L		1/18/2017 22:48
Hexachloroethane	< 10.0	ug/L		1/18/2017 22:48
Indeno (1,2,3-cd) pyrene	< 10.0	ug/L		1/18/2017 22:48
Isophorone	< 10.0	ug/L		1/18/2017 22:48
Naphthalene	< 10.0	ug/L		1/18/2017 22:48
Nitrobenzene	< 10.0	ug/L		1/18/2017 22:48
N-Nitroso-di-n-propylamine	< 10.0	ug/L		1/18/2017 22:48
N-Nitrosodiphenylamine	< 10.0	ug/L		1/18/2017 22:48
Pentachlorophenol	< 20.0	ug/L		1/18/2017 22:48
Phenanthrene	< 10.0	ug/L		1/18/2017 22:48
Phenol	< 10.0	ug/L		1/18/2017 22:48
Pyrene	< 10.0	ug/L		1/18/2017 22:48

Surrogate	Percent Recovery	Limits	Outliers	Date Analyzed
2,4,6-Tribromophenol	**89.6**	32.4 - 137		1/18/2017 22:48
2-Fluorobiphenyl	**71.2**	44.7 - 111		1/18/2017 22:48
2-Fluorophenol	**43.7**	12 - 101		1/18/2017 22:48
Nitrobenzene-d5	**79.4**	52 - 99.4		1/18/2017 22:48
Phenol-d5	**27.1**	10 - 103		1/18/2017 22:48
Terphenyl-d14	**85.0**	57.9 - 113		1/18/2017 22:48

Method Reference(s): EPA 8270D
EPA 3510C
Preparation Date: 1/18/2017
Data File: B16537.D

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 170188

Client: **C&S Companies**

Project Reference: 100 Dona Street

Sample Identifier: DUP
Lab Sample ID: 170188-04
Matrix: Water
Date Sampled: 1/16/2017
Date Received: 1/17/2017

Volatile Organics

Analyte	Result	Units	Qualifier	Date Analyzed
1,1,1-Trichloroethane	< 2.00	ug/L		1/18/2017 18:27
1,1,2,2-Tetrachloroethane	< 2.00	ug/L		1/18/2017 18:27
1,1,2-Trichloroethane	< 2.00	ug/L		1/18/2017 18:27
1,1-Dichloroethane	< 2.00	ug/L		1/18/2017 18:27
1,1-Dichloroethene	< 2.00	ug/L		1/18/2017 18:27
1,2,3-Trichlorobenzene	< 5.00	ug/L		1/18/2017 18:27
1,2,4-Trichlorobenzene	< 5.00	ug/L		1/18/2017 18:27
1,2-Dibromo-3-Chloropropane	< 10.0	ug/L		1/18/2017 18:27
1,2-Dibromoethane	< 2.00	ug/L		1/18/2017 18:27
1,2-Dichlorobenzene	< 2.00	ug/L		1/18/2017 18:27
1,2-Dichloroethane	< 2.00	ug/L		1/18/2017 18:27
1,2-Dichloropropane	< 2.00	ug/L		1/18/2017 18:27
1,3-Dichlorobenzene	< 2.00	ug/L		1/18/2017 18:27
1,4-Dichlorobenzene	< 2.00	ug/L		1/18/2017 18:27
1,4-dioxane	< 20.0	ug/L		1/18/2017 18:27
2-Butanone	< 10.0	ug/L		1/18/2017 18:27
2-Hexanone	< 5.00	ug/L		1/18/2017 18:27
4-Methyl-2-pentanone	< 5.00	ug/L		1/18/2017 18:27
Acetone	**8.45**	ug/L	J	1/18/2017 18:27
Benzene	< 1.00	ug/L		1/18/2017 18:27
Bromochloromethane	< 5.00	ug/L		1/18/2017 18:27
Bromodichloromethane	< 2.00	ug/L		1/18/2017 18:27
Bromoform	< 5.00	ug/L		1/18/2017 18:27
Bromomethane	< 2.00	ug/L		1/18/2017 18:27
Carbon disulfide	< 2.00	ug/L		1/18/2017 18:27
Carbon Tetrachloride	< 2.00	ug/L		1/18/2017 18:27
Chlorobenzene	< 2.00	ug/L		1/18/2017 18:27

Report Prepared Tuesday, January 24, 2017

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 170188

Client: **C&S Companies**

Project Reference: 100 Dona Street

Sample Identifier: DUP
Lab Sample ID: 170188-04 **Date Sampled:** 1/16/2017
Matrix: Water **Date Received:** 1/17/2017

Chloroethane	< 2.00	ug/L	1/18/2017	18:27
Chloroform	< 2.00	ug/L	1/18/2017	18:27
Chloromethane	< 2.00	ug/L	1/18/2017	18:27
cis-1,2-Dichloroethene	< 2.00	ug/L	1/18/2017	18:27
cis-1,3-Dichloropropene	< 2.00	ug/L	1/18/2017	18:27
Cyclohexane	< 10.0	ug/L	1/18/2017	18:27
Dibromochloromethane	< 2.00	ug/L	1/18/2017	18:27
Dichlorodifluoromethane	< 2.00	ug/L	1/18/2017	18:27
Ethylbenzene	< 2.00	ug/L	1/18/2017	18:27
Freon 113	< 2.00	ug/L	1/18/2017	18:27
Isopropylbenzene	< 2.00	ug/L	1/18/2017	18:27
m,p-Xylene	< 2.00	ug/L	1/18/2017	18:27
Methyl acetate	< 2.00	ug/L	1/18/2017	18:27
Methyl tert-butyl Ether	< 2.00	ug/L	1/18/2017	18:27
Methylcyclohexane	< 2.00	ug/L	1/18/2017	18:27
Methylene chloride	< 5.00	ug/L	1/18/2017	18:27
o-Xylene	< 2.00	ug/L	1/18/2017	18:27
Styrene	< 5.00	ug/L	1/18/2017	18:27
Tetrachloroethene	< 2.00	ug/L	1/18/2017	18:27
Toluene	< 2.00	ug/L	1/18/2017	18:27
trans-1,2-Dichloroethene	< 2.00	ug/L	1/18/2017	18:27
trans-1,3-Dichloropropene	< 2.00	ug/L	1/18/2017	18:27
Trichloroethene	< 2.00	ug/L	1/18/2017	18:27
Trichlorofluoromethane	< 2.00	ug/L	1/18/2017	18:27
Vinyl chloride	< 2.00	ug/L	1/18/2017	18:27

Report Prepared Tuesday, January 24, 2017

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 170188

Client: **C&S Companies**

Project Reference: 100 Dona Street

Sample Identifier: DUP

Lab Sample ID: 170188-04 **Date Sampled:** 1/16/2017

Matrix: Water **Date Received:** 1/17/2017

Surrogate	Percent Recovery	Limits	Outliers	Date Analyzed	
1,2-Dichloroethane-d4	**102**	81.2 - 120		1/18/2017	18:27
4-Bromofluorobenzene	**90.6**	82.4 - 112		1/18/2017	18:27
Pentafluorobenzene	**90.0**	90.2 - 112	*	1/18/2017	18:27
Toluene-D8	**100**	89.9 - 109		1/18/2017	18:27

Method Reference(s): EPA 8260C
EPA 5030C

Data File: x38549.D

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Report Prepared Tuesday, January 24, 2017

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 170188

Client: **C&S Companies**

Project Reference: 100 Dona Street

Sample Identifier:	GW-4		
Lab Sample ID:	170188-05	**Date Sampled:**	1/16/2017
Matrix:	Water	**Date Received:**	1/17/2017

Mercury

Analyte	Result	Units	Qualifier	Date Analyzed
Mercury	**0.00231**	mg/L		1/18/2017 17:29

Method Reference(s): EPA 7470A
Preparation Date: 1/18/2017
Data File: Hg170118A

FINAL

Report Prepared Tuesday, January 24, 2017

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 170188

Client: **C&S Companies**

Project Reference: 100 Dona Street

Sample Identifier: GW-4
Lab Sample ID: 170188-05
Matrix: Water
Date Sampled: 1/16/2017
Date Received: 1/17/2017

TAL Metals (ICP)

Analyte	Result	Units	Qualifier	Date Analyzed
Aluminum	**206**	mg/L		1/20/2017 15:32
Antimony	< 0.300	mg/L		1/23/2017 15:00
Arsenic	**0.132**	mg/L		1/20/2017 15:32
Barium	**1.44**	mg/L		1/20/2017 15:32
Beryllium	**0.00922**	mg/L		1/20/2017 15:32
Cadmium	**0.0206**	mg/L		1/20/2017 15:32
Calcium	**6390**	mg/L		1/23/2017 15:27
Chromium	**0.410**	mg/L		1/20/2017 15:32
Cobalt	**0.165**	mg/L		1/20/2017 15:32
Copper	**0.601**	mg/L		1/20/2017 15:32
Iron	**364**	mg/L		1/20/2017 15:32
Lead	**0.228**	mg/L		1/20/2017 15:32
Magnesium	**978**	mg/L		1/24/2017 10:30
Manganese	**27.6**	mg/L		1/23/2017 14:56
Nickel	**0.486**	mg/L		1/20/2017 15:32
Potassium	**50.9**	mg/L		1/20/2017 15:32
Selenium	**0.0829**	mg/L		1/20/2017 15:32
Silver	< 0.100	mg/L		1/23/2017 14:56
Sodium	**12.1**	mg/L		1/20/2017 15:32
Thallium	**0.173**	mg/L		1/20/2017 15:32
Vanadium	**0.413**	mg/L		1/20/2017 15:32
Zinc	**0.856**	mg/L		1/20/2017 15:32

Method Reference(s): EPA 6010C
EPA 3005A
Preparation Date: 1/19/2017
Data File: 012017a

Report Prepared Tuesday, January 24, 2017

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 170188

Client: **C&S Companies**

Project Reference: 100 Dona Street

Sample Identifier:	GW-4		
Lab Sample ID:	170188-05	**Date Sampled:**	1/16/2017
Matrix:	Water	**Date Received:**	1/17/2017

PCBs

Analyte	Result	Units	Qualifier	Date Analyzed
PCB-1016	< 0.100	ug/L		1/21/2017 09:01
PCB-1221	< 0.100	ug/L		1/21/2017 09:01
PCB-1232	< 0.100	ug/L		1/21/2017 09:01
PCB-1242	< 0.100	ug/L		1/21/2017 09:01
PCB-1248	< 0.100	ug/L		1/21/2017 09:01
PCB-1254	< 0.100	ug/L		1/21/2017 09:01
PCB-1260	< 0.100	ug/L		1/21/2017 09:01
PCB-1262	< 0.100	ug/L		1/21/2017 09:01
PCB-1268	< 0.100	ug/L		1/21/2017 09:01

Surrogate	Percent Recovery	Limits	Outliers	Date Analyzed
Decachlorobiphenyl	**94.4**	10 - 105		1/21/2017 09:01
Tetrachloro-m-xylene	**51.0**	15.7 - 95.8		1/21/2017 09:01

Method Reference(s): EPA 8082A
EPA 3510C

Preparation Date: 1/19/2017

Report Prepared Tuesday, January 24, 2017

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 170188

Client: **C&S Companies**

Project Reference: 100 Dona Street

Sample Identifier: GW-4
Lab Sample ID: 170188-05
Matrix: Water
Date Sampled: 1/16/2017
Date Received: 1/17/2017

Semi-Volatile Organics (Acid/Base Neutrals)

Analyte	Result	Units	Qualifier	Date Analyzed
1,1-Biphenyl	< 10.0	ug/L		1/18/2017 23:17
1,2,4,5-Tetrachlorobenzene	< 10.0	ug/L		1/18/2017 23:17
1,2,4-Trichlorobenzene	< 10.0	ug/L		1/18/2017 23:17
1,2-Dichlorobenzene	< 10.0	ug/L		1/18/2017 23:17
1,3-Dichlorobenzene	< 10.0	ug/L		1/18/2017 23:17
1,4-Dichlorobenzene	< 10.0	ug/L		1/18/2017 23:17
2,2-Oxybis (1-chloropropane)	< 10.0	ug/L		1/18/2017 23:17
2,3,4,6-Tetrachlorophenol	< 10.0	ug/L		1/18/2017 23:17
2,4,5-Trichlorophenol	< 20.0	ug/L		1/18/2017 23:17
2,4,6-Trichlorophenol	< 10.0	ug/L		1/18/2017 23:17
2,4-Dichlorophenol	< 10.0	ug/L		1/18/2017 23:17
2,4-Dimethylphenol	< 10.0	ug/L		1/18/2017 23:17
2,4-Dinitrophenol	< 20.0	ug/L		1/18/2017 23:17
2,4-Dinitrotoluene	< 10.0	ug/L		1/18/2017 23:17
2,6-Dinitrotoluene	< 10.0	ug/L		1/18/2017 23:17
2-Chloronaphthalene	< 10.0	ug/L		1/18/2017 23:17
2-Chlorophenol	< 10.0	ug/L		1/18/2017 23:17
2-Methylnapthalene	< 10.0	ug/L		1/18/2017 23:17
2-Methylphenol	< 10.0	ug/L		1/18/2017 23:17
2-Nitroaniline	< 20.0	ug/L		1/18/2017 23:17
2-Nitrophenol	< 10.0	ug/L		1/18/2017 23:17
3&4-Methylphenol	< 10.0	ug/L		1/18/2017 23:17
3,3'-Dichlorobenzidine	< 10.0	ug/L		1/18/2017 23:17
3-Nitroaniline	< 20.0	ug/L		1/18/2017 23:17
4,6-Dinitro-2-methylphenol	< 20.0	ug/L		1/18/2017 23:17
4-Bromophenyl phenyl ether	< 10.0	ug/L		1/18/2017 23:17
4-Chloro-3-methylphenol	< 10.0	ug/L		1/18/2017 23:17

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 170188

Client: **C&S Companies**

Project Reference: 100 Dona Street

Sample Identifier: GW-4
Lab Sample ID: 170188-05
Matrix: Water
Date Sampled: 1/16/2017
Date Received: 1/17/2017

4-Chloroaniline	< 10.0	ug/L		1/18/2017 23:17
4-Chlorophenyl phenyl ether	< 10.0	ug/L		1/18/2017 23:17
4-Nitroaniline	< 20.0	ug/L		1/18/2017 23:17
4-Nitrophenol	< 20.0	ug/L		1/18/2017 23:17
Acenaphthene	< 10.0	ug/L		1/18/2017 23:17
Acenaphthylene	< 10.0	ug/L		1/18/2017 23:17
Acetophenone	< 10.0	ug/L		1/18/2017 23:17
Anthracene	< 10.0	ug/L		1/18/2017 23:17
Atrazine	< 10.0	ug/L		1/18/2017 23:17
Benzaldehyde	< 10.0	ug/L		1/18/2017 23:17
Benzo (a) anthracene	< 10.0	ug/L		1/18/2017 23:17
Benzo (a) pyrene	< 10.0	ug/L		1/18/2017 23:17
Benzo (b) fluoranthene	< 10.0	ug/L		1/18/2017 23:17
Benzo (g,h,i) perylene	< 10.0	ug/L		1/18/2017 23:17
Benzo (k) fluoranthene	< 10.0	ug/L		1/18/2017 23:17
Bis (2-chloroethoxy) methane	< 10.0	ug/L		1/18/2017 23:17
Bis (2-chloroethyl) ether	< 10.0	ug/L		1/18/2017 23:17
Bis (2-ethylhexyl) phthalate	< 10.0	ug/L		1/18/2017 23:17
Butylbenzylphthalate	< 10.0	ug/L		1/18/2017 23:17
Caprolactam	< 10.0	ug/L		1/18/2017 23:17
Carbazole	< 10.0	ug/L		1/18/2017 23:17
Chrysene	< 10.0	ug/L		1/18/2017 23:17
Dibenz (a,h) anthracene	< 10.0	ug/L		1/18/2017 23:17
Dibenzofuran	< 10.0	ug/L		1/18/2017 23:17
Diethyl phthalate	< 10.0	ug/L		1/18/2017 23:17
Dimethyl phthalate	< 20.0	ug/L		1/18/2017 23:17
Di-n-butyl phthalate	< 10.0	ug/L		1/18/2017 23:17
Di-n-octylphthalate	< 10.0	ug/L		1/18/2017 23:17
Fluoranthene	< 10.0	ug/L		1/18/2017 23:17
Fluorene	< 10.0	ug/L		1/18/2017 23:17

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 170188

Client: **C&S Companies**

Project Reference: 100 Dona Street

Sample Identifier: GW-4
Lab Sample ID: 170188-05 **Date Sampled:** 1/16/2017
Matrix: Water **Date Received:** 1/17/2017

Hexachlorobenzene	< 10.0	ug/L		1/18/2017 23:17
Hexachlorobutadiene	< 10.0	ug/L		1/18/2017 23:17
Hexachlorocyclopentadiene	< 10.0	ug/L		1/18/2017 23:17
Hexachloroethane	< 10.0	ug/L		1/18/2017 23:17
Indeno (1,2,3-cd) pyrene	< 10.0	ug/L		1/18/2017 23:17
Isophorone	< 10.0	ug/L		1/18/2017 23:17
Naphthalene	< 10.0	ug/L		1/18/2017 23:17
Nitrobenzene	< 10.0	ug/L		1/18/2017 23:17
N-Nitroso-di-n-propylamine	< 10.0	ug/L		1/18/2017 23:17
N-Nitrosodiphenylamine	< 10.0	ug/L		1/18/2017 23:17
Pentachlorophenol	< 20.0	ug/L		1/18/2017 23:17
Phenanthrene	< 10.0	ug/L		1/18/2017 23:17
Phenol	< 10.0	ug/L		1/18/2017 23:17
Pyrene	< 10.0	ug/L		1/18/2017 23:17

Surrogate	Percent Recovery	Limits	Outliers	Date Analyzed
2,4,6-Tribromophenol	**88.4**	32.4 - 137		1/18/2017 23:17
2-Fluorobiphenyl	**67.6**	44.7 - 111		1/18/2017 23:17
2-Fluorophenol	**43.3**	12 - 101		1/18/2017 23:17
Nitrobenzene-d5	**80.4**	52 - 99.4		1/18/2017 23:17
Phenol-d5	**27.3**	10 - 103		1/18/2017 23:17
Terphenyl-d14	**78.2**	57.9 - 113		1/18/2017 23:17

Method Reference(s): EPA 8270D
EPA 3510C
Preparation Date: 1/18/2017
Data File: B16538.D

Report Prepared Tuesday, January 24, 2017

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 170188

Client: **C&S Companies**

Project Reference: 100 Dona Street

Sample Identifier: GW-4
Lab Sample ID: 170188-05
Matrix: Water

Date Sampled: 1/16/2017
Date Received: 1/17/2017

Volatile Organics

Analyte	Result	Units	Qualifier	Date Analyzed
1,1,1-Trichloroethane	< 2.00	ug/L		1/18/2017 18:03
1,1,2,2-Tetrachloroethane	< 2.00	ug/L		1/18/2017 18:03
1,1,2-Trichloroethane	< 2.00	ug/L		1/18/2017 18:03
1,1-Dichloroethane	< 2.00	ug/L		1/18/2017 18:03
1,1-Dichloroethene	< 2.00	ug/L		1/18/2017 18:03
1,2,3-Trichlorobenzene	< 5.00	ug/L		1/18/2017 18:03
1,2,4-Trichlorobenzene	< 5.00	ug/L		1/18/2017 18:03
1,2-Dibromo-3-Chloropropane	< 10.0	ug/L		1/18/2017 18:03
1,2-Dibromoethane	< 2.00	ug/L		1/18/2017 18:03
1,2-Dichlorobenzene	< 2.00	ug/L		1/18/2017 18:03
1,2-Dichloroethane	< 2.00	ug/L		1/18/2017 18:03
1,2-Dichloropropane	< 2.00	ug/L		1/18/2017 18:03
1,3-Dichlorobenzene	< 2.00	ug/L		1/18/2017 18:03
1,4-Dichlorobenzene	< 2.00	ug/L		1/18/2017 18:03
1,4-dioxane	< 20.0	ug/L		1/18/2017 18:03
2-Butanone	< 10.0	ug/L		1/18/2017 18:03
2-Hexanone	< 5.00	ug/L		1/18/2017 18:03
4-Methyl-2-pentanone	< 5.00	ug/L		1/18/2017 18:03
Acetone	**59.3**	ug/L		1/18/2017 18:03
Benzene	< 1.00	ug/L		1/18/2017 18:03
Bromochloromethane	< 5.00	ug/L		1/18/2017 18:03
Bromodichloromethane	< 2.00	ug/L		1/18/2017 18:03
Bromoform	< 5.00	ug/L		1/18/2017 18:03
Bromomethane	< 2.00	ug/L		1/18/2017 18:03
Carbon disulfide	< 2.00	ug/L		1/18/2017 18:03
Carbon Tetrachloride	< 2.00	ug/L		1/18/2017 18:03
Chlorobenzene	< 2.00	ug/L		1/18/2017 18:03

Report Prepared Tuesday, January 24, 2017

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 170188

Client: **C&S Companies**

Project Reference: 100 Dona Street

Sample Identifier: GW-4
Lab Sample ID: 170188-05 **Date Sampled:** 1/16/2017
Matrix: Water **Date Received:** 1/17/2017

Chloroethane	< 2.00	ug/L	1/18/2017	18:03
Chloroform	< 2.00	ug/L	1/18/2017	18:03
Chloromethane	< 2.00	ug/L	1/18/2017	18:03
cis-1,2-Dichloroethene	< 2.00	ug/L	1/18/2017	18:03
cis-1,3-Dichloropropene	< 2.00	ug/L	1/18/2017	18:03
Cyclohexane	< 10.0	ug/L	1/18/2017	18:03
Dibromochloromethane	< 2.00	ug/L	1/18/2017	18:03
Dichlorodifluoromethane	< 2.00	ug/L	1/18/2017	18:03
Ethylbenzene	< 2.00	ug/L	1/18/2017	18:03
Freon 113	< 2.00	ug/L	1/18/2017	18:03
Isopropylbenzene	< 2.00	ug/L	1/18/2017	18:03
m,p-Xylene	< 2.00	ug/L	1/18/2017	18:03
Methyl acetate	< 2.00	ug/L	1/18/2017	18:03
Methyl tert-butyl Ether	< 2.00	ug/L	1/18/2017	18:03
Methylcyclohexane	< 2.00	ug/L	1/18/2017	18:03
Methylene chloride	< 5.00	ug/L	1/18/2017	18:03
o-Xylene	< 2.00	ug/L	1/18/2017	18:03
Styrene	< 5.00	ug/L	1/18/2017	18:03
Tetrachloroethene	< 2.00	ug/L	1/18/2017	18:03
Toluene	< 2.00	ug/L	1/18/2017	18:03
trans-1,2-Dichloroethene	< 2.00	ug/L	1/18/2017	18:03
trans-1,3-Dichloropropene	< 2.00	ug/L	1/18/2017	18:03
Trichloroethene	< 2.00	ug/L	1/18/2017	18:03
Trichlorofluoromethane	< 2.00	ug/L	1/18/2017	18:03
Vinyl chloride	< 2.00	ug/L	1/18/2017	18:03

Report Prepared Tuesday, January 24, 2017

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 170188

Client: **C&S Companies**

Project Reference: 100 Dona Street

Sample Identifier: GW-4
Lab Sample ID: 170188-05 **Date Sampled:** 1/16/2017
Matrix: Water **Date Received:** 1/17/2017

Surrogate	Percent Recovery	Limits	Outliers	Date Analyzed	
1,2-Dichloroethane-d4	**103**	81.2 - 120		1/18/2017	18:03
4-Bromofluorobenzene	**91.8**	82.4 - 112		1/18/2017	18:03
Pentafluorobenzene	**90.6**	90.2 - 112		1/18/2017	18:03
Toluene-D8	**100**	89.9 - 109		1/18/2017	18:03

Method Reference(s): EPA 8260C
EPA 5030C
Data File: x38548.D

FINAL

This report is part of a multipage document and should only be evaluated in its entirety. The Chain of Custody provides additional sample information, including compliance with the sample condition requirements upon receipt.

Report Prepared Tuesday, January 24, 2017

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 170188

Client: **C&S Companies**

Project Reference: 100 Dona Street

Sample Identifier: Trip Blank
Lab Sample ID: 170188-06
Matrix: Water
Date Sampled: 1/16/2017
Date Received: 1/17/2017

Volatile Organics

Analyte	Result	Units	Qualifier	Date Analyzed
1,1,1-Trichloroethane	< 2.00	ug/L		1/18/2017 17:39
1,1,2,2-Tetrachloroethane	< 2.00	ug/L		1/18/2017 17:39
1,1,2-Trichloroethane	< 2.00	ug/L		1/18/2017 17:39
1,1-Dichloroethane	< 2.00	ug/L		1/18/2017 17:39
1,1-Dichloroethene	< 2.00	ug/L		1/18/2017 17:39
1,2,3-Trichlorobenzene	< 5.00	ug/L		1/18/2017 17:39
1,2,4-Trichlorobenzene	< 5.00	ug/L		1/18/2017 17:39
1,2,4-Trimethylbenzene	< 2.00	ug/L		1/18/2017 17:39
1,2-Dibromo-3-Chloropropane	< 10.0	ug/L		1/18/2017 17:39
1,2-Dibromoethane	< 2.00	ug/L		1/18/2017 17:39
1,2-Dichlorobenzene	< 2.00	ug/L		1/18/2017 17:39
1,2-Dichloroethane	< 2.00	ug/L		1/18/2017 17:39
1,2-Dichloropropane	< 2.00	ug/L		1/18/2017 17:39
1,3,5-Trimethylbenzene	< 2.00	ug/L		1/18/2017 17:39
1,3-Dichlorobenzene	< 2.00	ug/L		1/18/2017 17:39
1,4-Dichlorobenzene	< 2.00	ug/L		1/18/2017 17:39
1,4-dioxane	< 20.0	ug/L		1/18/2017 17:39
2-Butanone	< 10.0	ug/L		1/18/2017 17:39
2-Hexanone	< 5.00	ug/L		1/18/2017 17:39
4-Methyl-2-pentanone	< 5.00	ug/L		1/18/2017 17:39
Acetone	**9.43**	ug/L	J	1/18/2017 17:39
Benzene	< 1.00	ug/L		1/18/2017 17:39
Bromochloromethane	< 5.00	ug/L		1/18/2017 17:39
Bromodichloromethane	< 2.00	ug/L		1/18/2017 17:39
Bromoform	< 5.00	ug/L		1/18/2017 17:39
Bromomethane	< 2.00	ug/L		1/18/2017 17:39
Carbon disulfide	< 2.00	ug/L		1/18/2017 17:39

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 170188

Client: **C&S Companies**

Project Reference: 100 Dona Street

Sample Identifier: Trip Blank
Lab Sample ID: 170188-06
Matrix: Water
Date Sampled: 1/16/2017
Date Received: 1/17/2017

Carbon Tetrachloride	< 2.00	ug/L	1/18/2017	17:39
Chlorobenzene	< 2.00	ug/L	1/18/2017	17:39
Chloroethane	< 2.00	ug/L	1/18/2017	17:39
Chloroform	< 2.00	ug/L	1/18/2017	17:39
Chloromethane	< 2.00	ug/L	1/18/2017	17:39
cis-1,2-Dichloroethene	< 2.00	ug/L	1/18/2017	17:39
cis-1,3-Dichloropropene	< 2.00	ug/L	1/18/2017	17:39
Cyclohexane	< 10.0	ug/L	1/18/2017	17:39
Dibromochloromethane	< 2.00	ug/L	1/18/2017	17:39
Dichlorodifluoromethane	< 2.00	ug/L	1/18/2017	17:39
Ethylbenzene	< 2.00	ug/L	1/18/2017	17:39
Freon 113	< 2.00	ug/L	1/18/2017	17:39
Isopropylbenzene	< 2.00	ug/L	1/18/2017	17:39
m,p-Xylene	< 2.00	ug/L	1/18/2017	17:39
Methyl acetate	< 2.00	ug/L	1/18/2017	17:39
Methyl tert-butyl Ether	< 2.00	ug/L	1/18/2017	17:39
Methylcyclohexane	< 2.00	ug/L	1/18/2017	17:39
Methylene chloride	< 5.00	ug/L	1/18/2017	17:39
Naphthalene	< 5.00	ug/L	1/18/2017	17:39
n-Butylbenzene	< 2.00	ug/L	1/18/2017	17:39
n-Propylbenzene	< 2.00	ug/L	1/18/2017	17:39
o-Xylene	< 2.00	ug/L	1/18/2017	17:39
p-Isopropyltoluene	< 2.00	ug/L	1/18/2017	17:39
sec-Butylbenzene	< 2.00	ug/L	1/18/2017	17:39
Styrene	< 5.00	ug/L	1/18/2017	17:39
tert-Butylbenzene	< 2.00	ug/L	1/18/2017	17:39
Tetrachloroethene	< 2.00	ug/L	1/18/2017	17:39
Toluene	< 2.00	ug/L	1/18/2017	17:39
trans-1,2-Dichloroethene	< 2.00	ug/L	1/18/2017	17:39
trans-1,3-Dichloropropene	< 2.00	ug/L	1/18/2017	17:39

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 170188

Client: **C&S Companies**

Project Reference: 100 Dona Street

Sample Identifier: Trip Blank
Lab Sample ID: 170188-06 **Date Sampled:** 1/16/2017
Matrix: Water **Date Received:** 1/17/2017

Trichloroethene	< 2.00	ug/L			1/18/2017 17:39
Trichlorofluoromethane	< 2.00	ug/L			1/18/2017 17:39
Vinyl chloride	< 2.00	ug/L			1/18/2017 17:39

Surrogate	Percent Recovery	Limits	Outliers	Date Analyzed
1,2-Dichloroethane-d4	**102**	81.2 - 120		1/18/2017 17:39
4-Bromofluorobenzene	**90.2**	82.4 - 112		1/18/2017 17:39
Pentafluorobenzene	**91.1**	90.2 - 112		1/18/2017 17:39
Toluene-D8	**100**	89.9 - 109		1/18/2017 17:39

Method Reference(s): EPA 8260C
EPA 5030C
Data File: x38547.D

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Analytical Report Appendix

The reported results relate only to the samples as they have been received by the laboratory.

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All soil/sludge samples have been reported on a dry weight basis, unless qualified "reported as received". Other solids are reported as received.

Low level Volatiles blank reports for soil/solid matrix are based on a nominal 5 gram weight. Sample results and reporting limits are based on actual weight, which may be more or less than 5 grams.

The Chain of Custody provides additional information, including compliance with sample condition requirements upon receipt. Sample condition requirements are defined under the 2003 NELAC Standard, sections 5.5.8.3.1 and 5.5.8.3.2.

NYSDOH ELAP does not certify for all parameters. Paradigm Environmental Services or the indicated subcontracted laboratory does hold certification for all analytes where certification is offered by ELAP unless otherwise specified. Aliquots separated for certain tests, such as TCLP, are indicated on the Chain of Custody and final reports with an "A" suffix.

Data qualifiers are used, when necessary, to provide additional information about the data. This information may be communicated as a flag or as text at the bottom of the report. Please refer to the following list of analyte-specific, frequently used data flags and their meaning:

"<" = Analyzed for but not detected at or above the quantitation limit.
"E" = Result has been estimated, calibration limit exceeded.
"Z" = See case narrative.
"D" = Sample, Laboratory Control Sample, or Matrix Spike Duplicate results above Relative Percent Difference limit.
"M" = Matrix spike recoveries outside QC limits. Matrix bias indicated.
"B" = Method blank contained trace levels of analyte. Refer to included method blank report.
"J" = Result estimated between the quantitation limit and half the quantitation limit.
"L" = Laboratory Control Sample recovery outside accepted QC limits.
"P" = Concentration differs by more than 40% between the primary and secondary analytical columns.
"NC" = Not calculable. Applicable to RPD if sample or duplicate result is non-detect or estimated (see primary report for data flags). Applicable to MS if sample is greater or equal to ten times the spike added. Applicable to sample surrogates or MS if sample dilution is 10x or higher.
"" = Indicates any recoveries outside associated acceptance windows. Surrogate outliers in samples are presumed matrix effects. LCS demonstrates method compliance unless otherwise noted.*
"(1)" = Indicates data from primary column used for QC calculation.
"A" = denotes a parameter for which ELAP does not offer approval as part of their laboratory certification program.
"F" = denotes a parameter for which Paradigm does not carry certification, the results for which should therefore only be used where ELAP certification is not required, such as personal exposure assessment.

GENERAL TERMS AND CONDITIONS
LABORATORY SERVICES

These Terms and Conditions embody the whole agreement of the parties in the absence of a signed and executed contract between the Laboratory (LAB) and Client. They shall supersede all previous communications, representations, or agreements, either verbal or written, between the parties. The LAB specifically rejects all additional, inconsistent, or conflicting terms, whether printed or otherwise set forth in any purchase order or other communication from the Client to the LAB. The invalidity or unenforceability in whole or in part of any provision, term, or condition hereof shall not affect in any way the validity or enforceability of the remainder of the Terms and Conditions. No waiver by LAB of any provision, term, or condition hereof or of any breach by or obligation of the Client hereunder shall constitute a waiver of such provision, term, or condition on any other occasion or a waiver of any other breach by or obligation of the Client. This agreement shall be administered and interpreted under the laws of the state which services are procured.

Warranty. Recognizing that the nature of many samples is unknown and that some may contain potentially hazardous components, LAB warrants only that it will perform testing services, obtain findings, and prepare reports in accordance with generally accepted analytical laboratory principles and practices at the time of performance of services. LAB makes no other warranty, express or implied.

Scope and Compensation. LAB agrees to perform the services described in the chain of custody to which these terms and conditions are attached. Unless the parties agree in writing to the contrary, the duties of LAB shall not be construed to exceed the services specifically described. LAB will use LAB default method for all tests unless specified otherwise on the Work Order.
Payment terms are net 30 days from the date of invoice. All overdue payments are subject to an interest charge of one and one-half percent (1-1/2%) per month or a portion thereof. Client shall also be responsible for costs of collection, including payment of reasonable attorney fees if such expense is incurred. The prices, unless stated, do not include any sale, use or other taxes. Such taxes will be added to invoice prices when required.

Prices. Compensation for services performed will be based on the current Lab Analytical Fee Schedule or on quotations agreed to in writing by the parties. Turnaround time based charges are determined from the time of resolution of all work order questions. Testimony, court appearances or data compilation for legal action will be charged separately. Evaluation and reporting of initial screening runs may incur additional fees.

Limitations of Liability. In the event of any error, omission, or other professional negligence, the sole and exclusive responsibility of LAB shall be to re-perform the deficient work at its own expense and LAB shall have no other liability whatsoever. All claims shall be deemed waived unless made in writing and received by LAB within ninety (90) days following completion of services.
LAB shall have no liability, obligation, or responsibility of any kind for losses, costs, expenses, or other damages (including but not limited to any special, direct, incidental or consequential damages) with respect to LAB's services or results.
All results provided by LAB are strictly for the use of its clients and LAB is in no way responsible for the use of such results by clients or third parties. All reports should be considered in their entirety, and LAB is not responsible for the separation, detachment, or other use of any portion of these reports. Client may not assign the lab report without the written consent of the LAB.
Client covenants and agrees, at its/his/her sole expense, to indemnify, protect, defend, and save harmless the LAB from and against any and all damages, losses, liabilities, obligations, penalties, claims, litigation, demands, defenses, judgments, suits, actions, proceedings, costs, disbursements and/or expenses (including, without limitation attorneys' and experts' fees and disbursements) of any kind whatsoever which may at any time be imposed upon, incurred by or asserted or awarded against client relating to, resulting from or arising out of (a) the breach of this agreement by this client, (b) the negligence of the client in handling, delivering or disclosing any hazardous substance, (c) the violation of the Client of any applicable law, (d) non-compliance by the Client with any environmental permit or (e) a material misrepresentation in disclosing the materials to be tested.

Hazard Disclosure. Client represents and warrants that any sample delivered to LAB will be preceded or accompanied by complete written disclosure of the presence of any hazardous substances known or suspected by Client. Client further warrants that any sample containing any hazardous substance that is to be delivered to LAB will be packaged, labeled, transported, and delivered properly and in accordance with applicable laws.

Sample Handling. Prior to LAB's acceptance of any sample (or after any revocation of acceptance), the entire risk of loss or of damage to such sample remains with Client. Samples are accepted when receipt is acknowledged on chain of custody documentation. In no event will LAB have any responsibility for the action or inaction of any carrier shipping or delivering any sample to or from LAB premises.
Client authorizes LAB to proceed with the analysis of samples as received by the laboratory, recognizing that any samples not in compliance with all current DOH-ELAP-NELAP requirements for containers, preservation or holding time will be noted as such on the final report.
Disposal of hazardous waste samples is the responsibility of the Client. If the Client does not wish such samples returned, LAB may add storage and disposal fees to the final invoice. Maximum storage time for samples is 30 days after completion of analysis unless modified by applicable state or federal laws. Client will be required to give the LAB written instructions concerning disposal of these samples.
LAB reserves the absolute right, exercisable at any time, to refuse to receive delivery of, refuse to accept, or revoke acceptance of any sample, which, in the sole judgment of LAB (a) is of unsuitable volume, (b) may be or become unsuitable for or may pose a risk in handling, transport, or processing for any health, safety, environmental or other reason whether or not due to the presence in the sample of any hazardous substance, and whether or not such presence has been disclosed to LAB by Client or (c) if the condition or sample date make the sample unsuitable for analysis.

Legal Responsibility. LAB is solely responsible for performance of this contract, and no affiliated company, director, officer, employee, or agent shall have any legal responsibility hereunder, whether in contract or tort including negligence.

Assignment. LAB may assign its performance obligations under this contract to other parties, as it deems necessary. LAB shall disclose to Client any assignee (subcontractor) by ELAP ID # on the submitted final report.

Force Majeure. LAB shall have no responsibility or liability to the Client for any failure or delay in performance by LAB, which results in whole or in part from any cause or circumstance beyond the reasonable control of LAB. Such causes and circumstances shall include, but not limited to, acts of God, acts or orders of any government authority, strikes or other labor disputes, natural disasters, accidents, wars, civil disturbances, difficulties or delays in transportation, mail or delivery services, inability to obtain sufficient services or supplies from LAB's usual suppliers, or any other cause beyond LAB's reasonable control.

Law. This contract shall be continued under the laws of the State of New York without regard to its conflicts of laws provision.

PARADIGM ENVIRONMENTAL SERVICES, INC

179 Lake Avenue, Rochester, NY 14608 Office (585) 647-2530 Fax (585) 647-3311

CHAIN OF CUSTODY

170188

REPORT TO:		INVOICE TO:		LAB PROJECT ID
CLIENT:	C+S Engineers	CLIENT:	~~Same~~	100 Dona Street
ADDRESS:	141 Elm Street Suite 100	ADDRESS:	Natures Way	Quotation #:
CITY: Buffalo	STATE: NY ZIP: 14203	CITY:	STATE: ZIP:	
PHONE:	716-847-1630	PHONE:		Email: sherberger@cscos.com
ATTN:	Sam Herberger / Eric Warren	ATTN:		

PROJECT REFERENCE: 100 Dona

Matrix Codes:
AQ - Aqueous Liquid, NQ - Non-Aqueous Liquid, WA - Water, WG - Groundwater, DW - Drinking Water, WW - Wastewater, SO - Soil, SL - Sludge, SD - Solid, PT - Paint, WP - Wipe, CK - Caulk, OL - Oil, AR - Air

REQUESTED ANALYSIS

DATE COLLECTED	TIME COLLECTED	COMPOSITE	GRAB	SAMPLE IDENTIFIER	MATRIX CODES	NUMBER OF CONTAINERS	SVOC	VOC	PCB	Metals	REMARKS	PARADIGM LAB SAMPLE NUMBER
1/16/17	11:00A		X	GW-1	WA	12	X	X	X	X	MS/MSD NYS Part 375	01
	3:00P		X	GW-2		4	X	X	X	X	NYS Part 375	02
	1:15P		X	GW-3		8	X	X	X	X	DUP TCL	03-GW3 04-Dup
	2:30P		X	GW-4		4	X	X	X	X	TCL	05
				Trip Blank		1		X			Part 375	06

per JH 1 trip blank vial for VOC
GP 1/17/17

FINAL

Turnaround Time		Report Supplements			
Availability contingent upon lab approval; additional fees may apply.					
Standard 5 day	X	None Required		None Required	
10 day		Batch QC		Basic EDD	
Rush 3 day		Category A		NYSDEC EDD	X
Rush 2 day		Category B	X		
Rush 1 day					
Other please indicate date needed:		Other please indicate package needed:		Other EDD please indicate EDD needed:	

Sampled By: [signature] Date/Time: 1/16/17

Relinquished By: [signature] Date/Time: 1/16/17 4:30P

Received By: [signature] Date/Time: 1/16/17 4:30P

Received @ Lab By: [signature] Date/Time: 1/17/17 14:53

4°C iced 1/20/17 13:20

Total Cost:

P.I.F.

By signing this form, client agrees to Paradigm Terms and Conditions (reverse).

See additional page for sample conditions.

Chain of Custody Supplement

Client: C & S Engineers **Completed by:** Glenn Pezzulo

Lab Project ID: 170188 **Date:** 1/17/17

Sample Condition Requirements

Per NELAC/ELAP 210/241/242/243/244

Condition	NELAC compliance with the sample condition requirements upon receipt: Yes	No	N/A
Container Type	X		
Comments			
Transferred to method-compliant container			X
Headspace (<1 mL)	X VOA		X
Comments			
Preservation	X VOA Metals		X
Comments			
Chlorine Absent (<0.10 ppm per test strip)			X
Comments			
Holding Time	X		
Comments			
Temperature	X		X Metals
Comments	4 °C iced 1/17/17 13:20		
Sufficient Sample Quantity	X		
Comments			

FINAL

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 170709

Client: **C&S Companies**

Project Reference: Dona Street

Sample Identifier: GW-5
Lab Sample ID: 170709-01 **Date Sampled:** 2/23/2017
Matrix: Groundwater **Date Received:** 2/27/2017

TAL Metals (ICP)

Analyte	Result	Units	Qualifier	Date Analyzed
Aluminum	**11.3**	mg/L		3/1/2017 17:49
Antimony	< 0.0600	mg/L		3/1/2017 17:49
Arsenic	< 0.0100	mg/L		3/4/2017 15:47
Barium	**0.199**	mg/L		3/1/2017 17:49
Beryllium	< 0.00500	mg/L		3/1/2017 17:49
Cadmium	< 0.00500	mg/L		3/1/2017 17:49
Calcium	**284**	mg/L		3/1/2017 17:49
Chromium	**0.0185**	mg/L		3/1/2017 17:49
Cobalt	< 0.0500	mg/L		3/1/2017 17:49
Copper	**0.0243**	mg/L	J	3/1/2017 17:49
Iron	**16.3**	mg/L		3/1/2017 17:49
Lead	**0.0171**	mg/L		3/1/2017 17:49
Magnesium	**34.3**	mg/L		3/1/2017 17:49
Manganese	**0.997**	mg/L		3/1/2017 17:49
Nickel	**0.0215**	mg/L	J	3/1/2017 17:49
Potassium	**4.46**	mg/L		3/1/2017 17:49
Selenium	< 0.0200	mg/L		3/1/2017 17:49
Silver	< 0.0100	mg/L		3/1/2017 17:49
Sodium	**24.6**	mg/L		3/1/2017 17:49
Thallium	< 0.0250	mg/L		3/1/2017 17:49
Vanadium	**0.0169**	mg/L	J	3/1/2017 17:49
Zinc	**0.258**	mg/L		3/1/2017 17:49

Method Reference(s): EPA 6010C
EPA 3005A
Preparation Date: 2/28/2017
Data File: 030117C

Report Prepared Wednesday, March 08, 2017

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 170709

Client: **C&S Companies**

Project Reference: Dona Street

Sample Identifier: GW-5
Lab Sample ID: 170709-01 **Date Sampled:** 2/23/2017
Matrix: Groundwater **Date Received:** 2/27/2017

PCBs

Analyte	Result	Units	Qualifier	Date Analyzed
PCB-1016	< 0.0526	ug/L		3/2/2017 17:17
PCB-1221	< 0.0526	ug/L		3/2/2017 17:17
PCB-1232	< 0.0526	ug/L		3/2/2017 17:17
PCB-1242	< 0.0526	ug/L		3/2/2017 17:17
PCB-1248	< 0.0526	ug/L		3/2/2017 17:17
PCB-1254	< 0.0526	ug/L		3/2/2017 17:17
PCB-1260	< 0.0526	ug/L		3/2/2017 17:17
PCB-1262	< 0.0526	ug/L		3/2/2017 17:17
PCB-1268	< 0.0526	ug/L		3/2/2017 17:17

Surrogate	Percent Recovery	Limits	Outliers	Date Analyzed
Decachlorobiphenyl	**34.0**	10 - 105		3/2/2017 17:17
Tetrachloro-m-xylene	**12.3**	15.7 - 95.8	*	3/2/2017 17:17

Method Reference(s): EPA 8082A
EPA 3510C
Preparation Date: 3/2/2017

Report Prepared Wednesday, March 08, 2017

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 170709

Client: **C&S Companies**

Project Reference: Dona Street

Sample Identifier: GW-5
Lab Sample ID: 170709-01 **Date Sampled:** 2/23/2017
Matrix: Groundwater **Date Received:** 2/27/2017

Semi-Volatile Organics (Acid/Base Neutrals)

Analyte	Result	Units	Qualifier	Date Analyzed
1,1-Biphenyl	< 10.0	ug/L		3/3/2017 17:21
1,2,4,5-Tetrachlorobenzene	< 10.0	ug/L		3/3/2017 17:21
1,2,4-Trichlorobenzene	< 10.0	ug/L		3/3/2017 17:21
1,2-Dichlorobenzene	< 10.0	ug/L		3/3/2017 17:21
1,3-Dichlorobenzene	< 10.0	ug/L		3/3/2017 17:21
1,4-Dichlorobenzene	< 10.0	ug/L		3/3/2017 17:21
2,2-Oxybis (1-chloropropane)	< 10.0	ug/L		3/3/2017 17:21
2,3,4,6-Tetrachlorophenol	< 10.0	ug/L		3/3/2017 17:21
2,4,5-Trichlorophenol	< 20.0	ug/L		3/3/2017 17:21
2,4,6-Trichlorophenol	< 10.0	ug/L		3/3/2017 17:21
2,4-Dichlorophenol	< 10.0	ug/L		3/3/2017 17:21
2,4-Dimethylphenol	< 10.0	ug/L		3/3/2017 17:21
2,4-Dinitrophenol	< 20.0	ug/L		3/3/2017 17:21
2,4-Dinitrotoluene	< 10.0	ug/L		3/3/2017 17:21
2,6-Dinitrotoluene	< 10.0	ug/L		3/3/2017 17:21
2-Chloronaphthalene	< 10.0	ug/L		3/3/2017 17:21
2-Chlorophenol	< 10.0	ug/L		3/3/2017 17:21
2-Methylnapthalene	< 10.0	ug/L		3/3/2017 17:21
2-Methylphenol	< 10.0	ug/L		3/3/2017 17:21
2-Nitroaniline	< 20.0	ug/L		3/3/2017 17:21
2-Nitrophenol	< 10.0	ug/L		3/3/2017 17:21
3&4-Methylphenol	< 10.0	ug/L		3/3/2017 17:21
3,3'-Dichlorobenzidine	< 10.0	ug/L		3/3/2017 17:21
3-Nitroaniline	< 20.0	ug/L		3/3/2017 17:21
4,6-Dinitro-2-methylphenol	< 20.0	ug/L		3/3/2017 17:21
4-Bromophenyl phenyl ether	< 10.0	ug/L		3/3/2017 17:21
4-Chloro-3-methylphenol	< 10.0	ug/L		3/3/2017 17:21

Report Prepared Wednesday, March 08, 2017

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 170709

Client: **C&S Companies**

Project Reference: Dona Street

Sample Identifier: GW-5
Lab Sample ID: 170709-01 **Date Sampled:** 2/23/2017
Matrix: Groundwater **Date Received:** 2/27/2017

4-Chloroaniline	< 10.0	ug/L		3/3/2017	17:21
4-Chlorophenyl phenyl ether	< 10.0	ug/L		3/3/2017	17:21
4-Nitroaniline	< 20.0	ug/L		3/3/2017	17:21
4-Nitrophenol	< 20.0	ug/L		3/3/2017	17:21
Acenaphthene	**6.58**	ug/L	J	3/3/2017	17:21
Acenaphthylene	< 10.0	ug/L		3/3/2017	17:21
Acetophenone	< 10.0	ug/L		3/3/2017	17:21
Anthracene	< 10.0	ug/L		3/3/2017	17:21
Atrazine	< 10.0	ug/L		3/3/2017	17:21
Benzaldehyde	< 10.0	ug/L		3/3/2017	17:21
Benzo (a) anthracene	< 10.0	ug/L		3/3/2017	17:21
Benzo (a) pyrene	< 10.0	ug/L		3/3/2017	17:21
Benzo (b) fluoranthene	< 10.0	ug/L		3/3/2017	17:21
Benzo (g,h,i) perylene	< 10.0	ug/L		3/3/2017	17:21
Benzo (k) fluoranthene	< 10.0	ug/L		3/3/2017	17:21
Bis (2-chloroethoxy) methane	< 10.0	ug/L		3/3/2017	17:21
Bis (2-chloroethyl) ether	< 10.0	ug/L		3/3/2017	17:21
Bis (2-ethylhexyl) phthalate	< 10.0	ug/L		3/3/2017	17:21
Butylbenzylphthalate	< 10.0	ug/L		3/3/2017	17:21
Caprolactam	< 10.0	ug/L		3/3/2017	17:21
Carbazole	< 10.0	ug/L		3/3/2017	17:21
Chrysene	< 10.0	ug/L		3/3/2017	17:21
Dibenz (a,h) anthracene	< 10.0	ug/L		3/3/2017	17:21
Dibenzofuran	**5.24**	ug/L	J	3/3/2017	17:21
Diethyl phthalate	< 10.0	ug/L		3/3/2017	17:21
Dimethyl phthalate	< 20.0	ug/L		3/3/2017	17:21
Di-n-butyl phthalate	< 10.0	ug/L		3/3/2017	17:21
Di-n-octylphthalate	< 10.0	ug/L		3/3/2017	17:21
Fluoranthene	< 10.0	ug/L		3/3/2017	17:21
Fluorene	**9.37**	ug/L	J	3/3/2017	17:21

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 170709

Client: **C&S Companies**

Project Reference: Dona Street

Sample Identifier: GW-5
Lab Sample ID: 170709-01 **Date Sampled:** 2/23/2017
Matrix: Groundwater **Date Received:** 2/27/2017

Hexachlorobenzene	< 10.0	ug/L		3/3/2017	17:21
Hexachlorobutadiene	< 10.0	ug/L		3/3/2017	17:21
Hexachlorocyclopentadiene	< 10.0	ug/L		3/3/2017	17:21
Hexachloroethane	< 10.0	ug/L		3/3/2017	17:21
Indeno (1,2,3-cd) pyrene	< 10.0	ug/L		3/3/2017	17:21
Isophorone	< 10.0	ug/L		3/3/2017	17:21
Naphthalene	< 10.0	ug/L		3/3/2017	17:21
Nitrobenzene	< 10.0	ug/L		3/3/2017	17:21
N-Nitroso-di-n-propylamine	< 10.0	ug/L		3/3/2017	17:21
N-Nitrosodiphenylamine	< 10.0	ug/L		3/3/2017	17:21
Pentachlorophenol	< 20.0	ug/L		3/3/2017	17:21
Phenanthrene	**5.15**	ug/L	J	3/3/2017	17:21
Phenol	< 10.0	ug/L		3/3/2017	17:21
Pyrene	< 10.0	ug/L		3/3/2017	17:21

Surrogate	Percent Recovery	Limits	Outliers	Date Analyzed	
2,4,6-Tribromophenol	**89.0**	32.4 - 137		3/3/2017	17:21
2-Fluorobiphenyl	**61.9**	44.7 - 111		3/3/2017	17:21
2-Fluorophenol	**34.1**	12 - 101		3/3/2017	17:21
Nitrobenzene-d5	**69.1**	52 - 99.4		3/3/2017	17:21
Phenol-d5	**22.0**	10 - 103		3/3/2017	17:21
Terphenyl-d14	**87.6**	57.9 - 113		3/3/2017	17:21

Method Reference(s): EPA 8270D
EPA 3510C
Preparation Date: 3/1/2017
Data File: B17675.D

Report Prepared Wednesday, March 08, 2017

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 170709

Client: **C&S Companies**

Project Reference: Dona Street

Sample Identifier: GW-5
Lab Sample ID: 170709-01 **Date Sampled:** 2/23/2017
Matrix: Groundwater **Date Received:** 2/27/2017

Volatile Organics

Analyte	Result	Units	Qualifier	Date Analyzed
1,1,1-Trichloroethane	< 2.00	ug/L		3/4/2017 01:37
1,1,2,2-Tetrachloroethane	< 2.00	ug/L		3/4/2017 01:37
1,1,2-Trichloroethane	< 2.00	ug/L		3/4/2017 01:37
1,1-Dichloroethane	< 2.00	ug/L		3/4/2017 01:37
1,1-Dichloroethene	< 2.00	ug/L		3/4/2017 01:37
1,2,3-Trichlorobenzene	< 5.00	ug/L		3/4/2017 01:37
1,2,4-Trichlorobenzene	< 5.00	ug/L		3/4/2017 01:37
1,2-Dibromo-3-Chloropropane	< 10.0	ug/L		3/4/2017 01:37
1,2-Dibromoethane	< 2.00	ug/L		3/4/2017 01:37
1,2-Dichlorobenzene	< 2.00	ug/L		3/4/2017 01:37
1,2-Dichloroethane	< 2.00	ug/L		3/4/2017 01:37
1,2-Dichloropropane	< 2.00	ug/L		3/4/2017 01:37
1,3-Dichlorobenzene	< 2.00	ug/L		3/4/2017 01:37
1,4-Dichlorobenzene	< 2.00	ug/L		3/4/2017 01:37
1,4-dioxane	< 20.0	ug/L		3/4/2017 01:37
2-Butanone	< 10.0	ug/L		3/4/2017 01:37
2-Hexanone	< 5.00	ug/L		3/4/2017 01:37
4-Methyl-2-pentanone	< 5.00	ug/L		3/4/2017 01:37
Acetone	< 10.0	ug/L		3/4/2017 01:37
Benzene	< 1.00	ug/L		3/4/2017 01:37
Bromochloromethane	< 5.00	ug/L		3/4/2017 01:37
Bromodichloromethane	< 2.00	ug/L		3/4/2017 01:37
Bromoform	< 5.00	ug/L		3/4/2017 01:37
Bromomethane	< 2.00	ug/L		3/4/2017 01:37
Carbon disulfide	< 2.00	ug/L		3/4/2017 01:37
Carbon Tetrachloride	< 2.00	ug/L		3/4/2017 01:37
Chlorobenzene	< 2.00	ug/L		3/4/2017 01:37

Report Prepared Wednesday, March 08, 2017

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 170709

Client: **C&S Companies**

Project Reference: Dona Street

Sample Identifier: GW-5
Lab Sample ID: 170709-01 **Date Sampled:** 2/23/2017
Matrix: Groundwater **Date Received:** 2/27/2017

Chloroethane	< 2.00	ug/L	3/4/2017	01:37
Chloroform	< 2.00	ug/L	3/4/2017	01:37
Chloromethane	< 2.00	ug/L	3/4/2017	01:37
cis-1,2-Dichloroethene	< 2.00	ug/L	3/4/2017	01:37
cis-1,3-Dichloropropene	< 2.00	ug/L	3/4/2017	01:37
Cyclohexane	< 10.0	ug/L	3/4/2017	01:37
Dibromochloromethane	< 2.00	ug/L	3/4/2017	01:37
Dichlorodifluoromethane	< 2.00	ug/L	3/4/2017	01:37
Ethylbenzene	< 2.00	ug/L	3/4/2017	01:37
Freon 113	< 2.00	ug/L	3/4/2017	01:37
Isopropylbenzene	< 2.00	ug/L	3/4/2017	01:37
m,p-Xylene	< 2.00	ug/L	3/4/2017	01:37
Methyl acetate	< 2.00	ug/L	3/4/2017	01:37
Methyl tert-butyl Ether	< 2.00	ug/L	3/4/2017	01:37
Methylcyclohexane	< 2.00	ug/L	3/4/2017	01:37
Methylene chloride	< 5.00	ug/L	3/4/2017	01:37
o-Xylene	< 2.00	ug/L	3/4/2017	01:37
Styrene	< 5.00	ug/L	3/4/2017	01:37
Tetrachloroethene	< 2.00	ug/L	3/4/2017	01:37
Toluene	< 2.00	ug/L	3/4/2017	01:37
trans-1,2-Dichloroethene	< 2.00	ug/L	3/4/2017	01:37
trans-1,3-Dichloropropene	< 2.00	ug/L	3/4/2017	01:37
Trichloroethene	< 2.00	ug/L	3/4/2017	01:37
Trichlorofluoromethane	< 2.00	ug/L	3/4/2017	01:37
Vinyl chloride	< 2.00	ug/L	3/4/2017	01:37

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 170709

Client: **C&S Companies**

Project Reference: Dona Street

Sample Identifier: GW-5
Lab Sample ID: 170709-01 **Date Sampled:** 2/23/2017
Matrix: Groundwater **Date Received:** 2/27/2017

Surrogate	Percent Recovery	Limits	Outliers	Date Analyzed	
1,2-Dichloroethane-d4	**98.2**	81.2 - 120		3/4/2017	01:37
4-Bromofluorobenzene	**97.2**	82.4 - 112		3/4/2017	01:37
Pentafluorobenzene	**93.9**	90.2 - 112		3/4/2017	01:37
Toluene-D8	**96.1**	89.9 - 109		3/4/2017	01:37

Method Reference(s): EPA 8260C
EPA 5030C
Data File: x39744.D

Report Prepared Wednesday, March 08, 2017

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Analytical Report Appendix

The reported results relate only to the samples as they have been received by the laboratory.

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All soil/sludge samples have been reported on a dry weight basis, unless qualified "reported as received". Other solids are reported as received.

Low level Volatiles blank reports for soil/solid matrix are based on a nominal 5 gram weight. Sample results and reporting limits are based on actual weight, which may be more or less than 5 grams.

The Chain of Custody provides additional information, including compliance with sample condition requirements upon receipt. Sample condition requirements are defined under the 2003 NELAC Standard, sections 5.5.8.3.1 and 5.5.8.3.2.

NYSDOH ELAP does not certify for all parameters. Paradigm Environmental Services or the indicated subcontracted laboratory does hold certification for all analytes where certification is offered by ELAP unless otherwise specified. Aliquots separated for certain tests, such as TCLP, are indicated on the Chain of Custody and final reports with an "A" suffix.

Data qualifiers are used, when necessary, to provide additional information about the data. This information may be communicated as a flag or as text at the bottom of the report. Please refer to the following list of analyte-specific, frequently used data flags and their meaning:

"<" = Analyzed for but not detected at or above the quantitation limit.
"E" = Result has been estimated, calibration limit exceeded.
"Z" = See case narrative.
"D" = Sample, Laboratory Control Sample, or Matrix Spike Duplicate results above Relative Percent Difference limit.
"M" = Matrix spike recoveries outside QC limits. Matrix bias indicated.
"B" = Method blank contained trace levels of analyte. Refer to included method blank report.
"J" = Result estimated between the quantitation limit and half the quantitation limit.
"L" = Laboratory Control Sample recovery outside accepted QC limits.
"P" = Concentration differs by more than 40% between the primary and secondary analytical columns.
"NC" = Not calculable. Applicable to RPD if sample or duplicate result is non-detect or estimated (see primary report for data flags). Applicable to MS if sample is greater or equal to ten times the spike added. Applicable to sample surrogates or MS if sample dilution is 10x or higher.
"" = Indicates any recoveries outside associated acceptance windows. Surrogate outliers in samples are presumed matrix effects. LCS demonstrates method compliance unless otherwise noted.*
"(1)" = Indicates data from primary column used for QC calculation.
"A" = denotes a parameter for which ELAP does not offer approval as part of their laboratory certification program.
"F" = denotes a parameter for which Paradigm does not carry certification, the results for which should therefore only be used where ELAP certification is not required, such as personal exposure assessment.

GENERAL TERMS AND CONDITIONS
LABORATORY SERVICES

These Terms and Conditions embody the whole agreement of the parties in the absence of a signed and executed contract between the Laboratory (LAB) and Client. They shall supersede all previous communications, representations, or agreements, either verbal or written, between the parties. The LAB specifically rejects all additional, inconsistent, or conflicting terms, whether printed or otherwise set forth in any purchase order or other communication from the Client to the LAB. The invalidity or unenforceability in whole or in part of any provision, term, or condition hereof shall not affect in any way the validity or enforceability of the remainder of the Terms and Conditions. No waiver by LAB of any provision, term, or condition hereof or of any breach by or obligation of the Client hereunder shall constitute a waiver of such provision, term, or condition on any other occasion or a waiver of any other breach by or obligation of the Client. This agreement shall be administered and interpreted under the laws of the state which services are procured.

Warranty. Recognizing that the nature of many samples is unknown and that some may contain potentially hazardous components, LAB warrants only that it will perform testing services, obtain findings, and prepare reports in accordance with generally accepted analytical laboratory principles and practices at the time of performance of services. LAB makes no other warranty, express or implied.

Scope and Compensation. LAB agrees to perform the services described in the chain of custody to which these terms and conditions are attached. Unless the parties agree in writing to the contrary, the duties of LAB shall not be construed to exceed the services specifically described. LAB will use LAB default method for all tests unless specified otherwise on the Work Order.
Payment terms are net 30 days from the date of invoice. All overdue payments are subject to an interest charge of one and one-half percent (1-1/2%) per month or a portion thereof. Client shall also be responsible for costs of collection, including payment of reasonable attorney fees if such expense is incurred. The prices, unless stated, do not include any sale, use or other taxes. Such taxes will be added to invoice prices when required.

Prices. Compensation for services performed will be based on the current Lab Analytical Fee Schedule or on quotations agreed to in writing by the parties. Turnaround time based charges are determined from the time of resolution of all work order questions. Testimony, court appearances or data compilation for legal action will be charged separately. Evaluation and reporting of initial screening runs may incur additional fees.

Limitations of Liability. In the event of any error, omission, or other professional negligence, the sole and exclusive responsibility of LAB shall be to re-perform the deficient work at its own expense and LAB shall have no other liability whatsoever. All claims shall be deemed waived unless made in writing and received by LAB within ninety (90) days following completion of services.
LAB shall have no liability, obligation, or responsibility of any kind for losses, costs, expenses, or other damages (including but not limited to any special, direct, incidental or consequential damages) with respect to LAB's services or results.
All results provided by LAB are strictly for the use of its clients and LAB is in no way responsible for the use of such results by clients or third parties. All reports should be considered in their entirety, and LAB is not responsible for the separation, detachment, or other use of any portion of these reports. Client may not assign the lab report without the written consent of the LAB.
Client covenants and agrees, at its/his/her sole expense, to indemnify, protect, defend, and save harmless the LAB from and against any and all damages, losses, liabilities, obligations, penalties, claims, litigation, demands, defenses, judgments, suits, actions, proceedings, costs, disbursements and/or expenses (including, without limitation attorneys' and experts' fees and disbursements) of any kind whatsoever which may at any time be imposed upon, incurred by or asserted or awarded against client relating to, resulting from or arising out of (a) the breach of this agreement by this client, (b) the negligence of the client in handling, delivering or disclosing any hazardous substance, (c) the violation of the Client of any applicable law, (d) non-compliance by the Client with any environmental permit or (e) a material misrepresentation in disclosing the materials to be tested.

Hazard Disclosure. Client represents and warrants that any sample delivered to LAB will be preceded or accompanied by complete written disclosure of the presence of any hazardous substances known or suspected by Client. Client further warrants that any sample containing any hazardous substance that is to be delivered to LAB will be packaged, labeled, transported, and delivered properly and in accordance with applicable laws.

Sample Handling. Prior to LAB's acceptance of any sample (or after any revocation of acceptance), the entire risk of loss or of damage to such sample remains with Client. Samples are accepted when receipt is acknowledged on chain of custody documentation. In no event will LAB have any responsibility for the action or inaction of any carrier shipping or delivering any sample to or from LAB premises.
Client authorizes LAB to proceed with the analysis of samples as received by the laboratory, recognizing that any samples not in compliance with all current DOH-ELAP-NELAP requirements for containers, preservation or holding time will be noted as such on the final report.
Disposal of hazardous waste samples is the responsibility of the Client. If the Client does not wish such samples returned, LAB may add storage and disposal fees to the final invoice. Maximum storage time for samples is 30 days after completion of analysis unless modified by applicable state or federal laws. Client will be required to give the LAB written instructions concerning disposal of these samples.
LAB reserves the absolute right, exercisable at any time, to refuse to receive delivery of, refuse to accept, or revoke acceptance of any sample, which, in the sole judgment of LAB (a) is of unsuitable volume, (b) may be or become unsuitable for or may pose a risk in handling, transport, or processing for any health, safety, environmental or other reason whether or not due to the presence in the sample of any hazardous substance, and whether or not such presence has been disclosed to LAB by Client or (c) if the condition or sample date make the sample unsuitable for analysis.

Legal Responsibility. LAB is solely responsible for performance of this contract, and no affiliated company, director, officer, employee, or agent shall have any legal responsibility hereunder, whether in contract or tort including negligence.

Assignment. LAB may assign its performance obligations under this contract to other parties, as it deems necessary. LAB shall disclose to Client any assignee (subcontractor) by ELAP ID # on the submitted final report.

Force Majeure. LAB shall have no responsibility or liability to the Client for any failure or delay in performance by LAB, which results in whole or in part from any cause or circumstance beyond the reasonable control of LAB. Such causes and circumstances shall include, but not limited to, acts of God, acts or orders of any government authority, strikes or other labor disputes, natural disasters, accidents, wars, civil disturbances, difficulties or delays in transportation, mail or delivery services, inability to obtain sufficient services or supplies from LAB's usual suppliers, or any other cause beyond LAB's reasonable control.

Law. This contract shall be continued under the laws of the State of New York without regard to its conflicts of laws provision.

179 Lake Avenue, Rochester, NY 14608 Office (585) 647-2530 Fax (585) 647-3311

PARADIGM
ENVIRONMENTAL SERVICES, INC.

CHAIN OF CUSTODY

170709

REPORT TO:		INVOICE TO:		
CLIENT:	C+S Engineers	CLIENT:	~~Same~~ Natures Way	LAB PROJECT ID: Dona Street
ADDRESS:	141 Elmstreet, Suite 100	ADDRESS:		
CITY:	Buffalo STATE: NY ZIP: 14203	CITY: STATE: ZIP:		Quotation #:
PHONE:	716 8471630	PHONE:		Email: ewarner@natureswayenv.com, Sherberger@CSCOS.com
ATTN:	Sam Herberger	ATTN:		

PROJECT REFERENCE

Matrix Codes:
AQ - Aqueous Liquid; NQ - Non-Aqueous Liquid; WA - Water; WG - Groundwater; DW - Drinking Water; WW - Wastewater; SO - Soil; SL - Sludge; SD - Solid; PT - Paint; WP - Wipe; CK - Caulk; OL - Oil; AR - Air

REQUESTED ANALYSIS

DATE COLLECTED	TIME COLLECTED	COMPOSITE	GRAB	SAMPLE IDENTIFIER	MATRIX CODES	NUMBER OF CONTAINERS	TCLVOC	TCLSVOC	PCB	TALMetals	REMARKS	PARADIGM LAB SAMPLE NUMBER
2/23/17	9:50A		X	GW-5	WG	5	X	X	X	X	TCL	01
											3°C iced 2/24/17 1658	

FINAL

Turnaround Time		Report Supplements			
Availability contingent upon lab approval; additional fees may apply.					
Standard 5 day	X	None Required		None Required	
10 day		Batch QC		Basic EDD	
Rush 3 day		Category A		NYSDEC EDD	X
Rush 2 day		Category B	X		
Rush 1 day					
Other		Other		Other EDD	
please indicate date needed:		please indicate package needed:		please indicate EDD needed :	

Sampled By: Sam Herberger	2/23/17 12:00p	Total Cost:
Relinquished By: Sam Herberger	2/24/17 2:00P	
Received By:	2/24/17 2:00P	P.I.F.
Received @ Lab By: JR	2/27/17 12:29	

Custody Seal n/a, Samples picked up & delivered by Paradigm. JR 2/27/17

By signing this form, client agrees to Paradigm Terms and Conditions (reverse).

See additional page for sample conditions.

PARADIGM

Chain of Custody Supplement

Client: C & S Engineers **Completed by:** Glen Pezzulo

Lab Project ID: 170709 **Date:** 2/27/17

Sample Condition Requirements

Per NELAC/ELAP 210/241/242/243/244

Condition	NELAC compliance with the sample condition requirements upon receipt Yes	No	N/A
Container Type	X		
Comments			
Transferred to method-compliant container			X
Headspace (<1 mL)	X VOA		X
Comments			
Preservation	X VOA Mtls		X
Comments			
Chlorine Absent (<0.10 ppm per test strip)			X
Comments			
Holding Time	X		
Comments			
Temperature	X		X Metals
Comments	3°C iced 2/24/17 16:58		
Sufficient Sample Quantity	X		
Comments			

FINAL

ANALYTICAL REPORT

Lab Number:	L1707059
Client:	Paradigm Environmental Services 179 Lake Avenue Rochester, NY 14608
ATTN:	Jane Daloia
Phone:	(585) 647-2530
Project Name:	170709
Project Number:	170709
Report Date:	03/08/17

FINAL

Certifications & Approvals: MA (M-MA086), NH NELAP (2064), NJ NELAP (MA935), CT (PH-0574), IL (200077), ME (MA00086), MD (348), NY (11148), NC (25700/666), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #P330-14-00197).

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

Project Name: 170709
Project Number: 170709

Lab Number: L1707059
Report Date: 03/08/17

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L1707059-01	170709-01 GW-5	WATER	Not Specified	02/23/17 09:50	03/07/17

Project Name: 170709
Project Number: 170709

Lab Number: L1707059
Report Date: 03/08/17

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. All specific QC information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications. Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances the specific failure is not narrated but noted in the associated QC table. The information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

HOLD POLICY
For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Client Service Representative and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Client Services at 800-624-9220 with any questions.

Project Name: 170709
Project Number: 170709

Lab Number: L1707059
Report Date: 03/08/17

Case Narrative (continued)

Report Submission

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Michelle M. Morris

Title: Technical Director/Representative

Date: 03/08/17

METALS

Project Name: 170709 **Lab Number:** L1707059

Project Number: 170709 **Report Date:** 03/08/17

SAMPLE RESULTS

Lab ID: L1707059-01 Date Collected: 02/23/17 09:50

Client ID: 170709-01 GW-5 Date Received: 03/07/17

Sample Location: Not Specified Field Prep: Not Specified

Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Mercury, Total	ND		mg/l	0.00020	0.00006	1	03/08/17 07:55	03/08/17 11:40	EPA 7470A	1,7470A	BV

Project Name: 170709 **Lab Number:** L1707059

Project Number: 170709 **Report Date:** 03/08/17

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01 Batch: WG983732-1										
Mercury, Total	ND		mg/l	0.00020	0.00006	1	03/08/17 07:55	03/08/17 11:15	1,7470A	BV

Prep Information

Digestion Method: EPA 7470A

Lab Control Sample Analysis

Batch Quality Control

Project Name: 170709

Project Number: 170709

Lab Number: L1707059

Report Date: 03/08/17

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01 Batch: WG983732-2								
Mercury, Total	111		-		80-120	-		

Matrix Spike Analysis
Batch Quality Control

Project Name: 170709
Project Number: 170709

Lab Number: L1707059
Report Date: 03/08/17

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG983732-3 WG983732-4 QC Sample: L1707046-02 Client ID: MS Sample												
Mercury, Total	0.00010J	0.005	0.00517	104		0.00514	103		75-125	1		20
Total Metals - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG983732-5 WG983732-6 QC Sample: L1707046-03 Client ID: MS Sample												
Mercury, Total	0.00007J	0.005	0.00492	98		0.00501	100		75-125	2		20

Project Name: 170709
Project Number: 170709

Lab Number: L1707059
Report Date: 03/08/17

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information **Custody Seal**

Cooler	
A	Absent

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1707059-01A	Plastic 250ml HNO3 preserved	A	<2	3.5	Y	Absent	HG-T(28)

*Values in parentheses indicate holding time in days

Project Name:	170709	**Lab Number:**	L1707059
Project Number:	170709	**Report Date:**	03/08/17

GLOSSARY

Acronyms

EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NDPA/DPA	- N-Nitrosodiphenylamine/Diphenylamine.
NI	- Not Ignitable.
NP	- Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.
STLP	- Semi-dynamic Tank Leaching Procedure per EPA Method 1315.
TIC	- Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Footnotes

1	- The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Data Qualifiers

A	- Spectra identified as "Aldol Condensation Product".
B	- The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the

Report Format: DU Report with 'J' Qualifiers

Project Name:	170709	**Lab Number:**	L1707059
Project Number:	170709	**Report Date:**	03/08/17

Data Qualifiers

reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).

C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The lower value for the two columns has been reported due to obvious interference.

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

J - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

ND - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

Report Format: DU Report with 'J' Qualifiers

Project Name:	170709	**Lab Number:**	L1707059
Project Number:	170709	**Report Date:**	03/08/17

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IV, 2007.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certification Information

The following analytes are not included in our Primary NELAP Scope of Accreditation:

Westborough Facility
EPA 624: m/p-xylene, o-xylene
EPA 8260C: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), Methyl methacrylate, 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.
EPA 8270D: NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine; SCM: Dimethylnaphthalene,1,4-Diphenylhydrazine.
EPA 300: DW: Bromide
EPA 6860: NPW and SCM: Perchlorate
EPA 9010: NPW and SCM: Amenable Cyanide Distillation
EPA 9012B: NPW: Total Cyanide
EPA 9050A: NPW: Specific Conductance
SM3500: NPW: Ferrous Iron
SM4500: NPW: Amenable Cyanide, Dissolved Oxygen; SCM: Total Phosphorus, TKN, NO2, NO3.
SM5310C: DW: Dissolved Organic Carbon

Mansfield Facility
SM 2540D: TSS
EPA 3005A NPW
EPA 8082A: NPW: PCB: 1, 5, 31, 87,101, 110, 141, 151, 153, 180, 183, 187.
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.
Biological Tissue Matrix: EPA 3050B

The following analytes are included in our Massachusetts DEP Scope of Accreditation

Westborough Facility:

Drinking Water
EPA 300.0: Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B**
EPA 332: Perchlorate; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.
Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT,SM9222D**.

Non-Potable Water
SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **SM4500NO3-F, EPA 353.2**: Nitrate-N**, EPA 351.1, SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D.**
EPA 624: Volatile Halocarbons & Aromatics,
EPA 608: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
EPA 625: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045**: PCB-Oil.
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9221E.**

Mansfield Facility:

Drinking Water
EPA 200.7: Ba, Be, Cd, Cr, Cu, Ni, Na, Ca. **EPA 200.8:** Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Ni, Se, TL. **EPA 245.1** Hg.

Non-Potable Water
EPA 200.7: Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.
EPA 200.8: Al, Sb, As, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn.
EPA 245.1 Hg.
SM2340B

For a complete listing of analytes and methods, please contact your Alpha Project Manager.

Serial_No:03081714:31

179 Lake Avenue, Rochester, NY 14608 Office (585) 647-2530 Fax (585) 647-3311

1 of 1

CHAIN OF CUSTODY

NEC

L1707059

11148

REPORT TO:		INVOICE TO:	
COMPANY:	Paradigm Environmental	COMPANY:	Same
ADDRESS:	179 Lake Avenue	ADDRESS:	
CITY:	Rochester STATE: NY ZIP: 14608	CITY:	STATE: ZIP:
PHONE:	FAX:	PHONE:	FAX:
ATTN:	Reporting	ATTN:	Accounts Payable
COMMENTS:	Please email results to reporting@paradigmenv.com		

LAB PROJECT #:

CLIENT PROJECT #:

PROJECT NAME/SITE NAME:

TURNAROUND TIME: (WORKING DAYS)

STD OTHER

[X] 1 [ ] 2 [ ] 3 [ ] 5 [ ]

Date Due: 3/8/17

REQUESTED ANALYSIS

	DATE	TIME	COMPOSITE	GRAB	SAMPLE LOCATION/FIELD ID	MATRIX	NUMBER OF CONTAINERS	Hg Total	REMARKS	PARADIGM LAB SAMPLE NUMBER
1	2/23/17	0950			170709-01	GW	1	X	GW-5	
2										
3										
4										
5										
6										
7										
8										
9										
10										

Report J Flags.
ASP Cat B.

FINAL

LAB USE ONLY BELOW THIS LINE

Sample Condition: Per NELAC/ELAP 210/241/242/243/244

Receipt Parameter	NELAC Compliance	
Container Type:	Y [ ]	N [ ]
Comments:		
Preservation:	Y [ ]	N [ ]
Comments:		
Holding Time:	Y [ ]	N [ ]
Comments:		
Temperature:	Y [ ]	N [ ]
Comments:		

Client

		Date/Time	
Sampled By	JPL	3/7/17	16:00
Relinquished By	JM AL AAC	3/07/17	17:50
Received By	JM AL AAC	3/07/17	17:50
Received By			
Received @ Lab By		3/8/17	0030

Total Cost:

P.I.F.