

Remedial Investigation Report

**Former Coyne Textile Facility
140 Cortland Ave
Syracuse, NY 13202**

BCP Site No. C734144

CHA Project Number: 33525.1004.31000

Prepared for:

Client Name

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February 7, 2019

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CERTIFICATION

I, Scott M. Smith, certify that I am currently a NYS registered professional engineer and that this Remedial Investigation Report was prepared in accordance with all applicable statutes and regulations and in substantial conformance with the DER Technical Guidance for Site Investigation and Remediation (DER-10) and that all activities were performed in full accordance with the DER-approved work plan and any DER-approved modifications.

I certify that all information and statements in this certification form are true. I understand that a false statement made herein is punishable as a Class "A" misdemeanor, pursuant to Section 210.45 of the Penal Law. I, the undersigned, of CHA Consulting, Inc. have been designated by the Site owner to sign this certification for the Site.

For CHA Consulting, Inc.:

(Professional Seal)



Scott M. Smith, P.E.

Printed Name of Certifying Engineer

Scott M. Smith

Signature of Certifying Engineer

February 7, 2019

Date of Certification

083885

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Registration State

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Company

Principal Engineer VI

Title

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LIST OF ACRONYMS & ABBREVIATIONS

AOC	Area of Concern
ASP	Analytical Services Protocols
AST	Aboveground Storage Tank
ASTM	American Society for Testing and Materials
BCA	Brownfield Cleanup Agreement
BCP	Brownfield Cleanup Program
CHA	CHA Consulting, Inc.
CVOC	Chlorinated Volatile Organic Compounds
DCE	cis-1,2-Dichloroethene
DER	Division of Environmental Remediation
DUSR	Data Usability Summary Report
ELAP	Environmental Laboratory Approval Program
ESA	Environmental Site Assessment
FHT	Falling Head Test
ft bgs	Feet Below Ground Surface
GPR	Ground Penetrating Radar
GPS	Global Positioning System
GZA	GZA GeoEnvironmental
HASP	Health and Safety Plan
IRM	Interim Remedial Measure
MEK	Methyl Ethyl Ketone
MS/MSD	Matrix Spike/Matrix Spike Duplicate
ND	Non-detect
NTU	Nephelometric Unit
NYCRR	New York Codes, Rules, and Regulations
NYEG	NYEG Drilling LLC
NYSDEC	New York State Department of Environmental Conservation
NYSDOH	New York State Department of Health
NYSDOT	New York State Department of Transportation
Pace	Pace Analytical, Inc.
PAH	Polycyclic Aromatic Hydrocarbons
PCB	Polychlorinated Biphenyls
PCE	Tetrachloroethylene
PFAS	Per- and polyfluoroalkyl Substances
PFOA	Perfluorooctanoic Acid
PFOS	Perfluorooctanesulfonate
PID	Photoionization Detector
ppm	Part Per Million
PVC	Polyvinyl chloride
QAPP	Quality Assurance Project Plan
QA/QC	Quality Assurance/Quality Control
RAA	Remedial Alternatives Analysis
RCRA	Resource Conservation and Recovery Act
REC	Recognized Environmental Condition

RHT	Rising Head Test
RI	Remedial Investigation
RIWP	Remedial Investigation Work Plan
SCO	Soil Cleanup Objectives
SOP	Standard Operating Procedure
SV-OA	Soil Vapor - Outdoor Air
SVOC	Semi-Volatile Organic Compounds
SV-IA	Soil Vapor - Indoor Air
SV-IAQ	Soil Vapor - Indoor Air Quality
SVP	Soil Vapor Point
TAL	Target Analyte List
TCE	Trichloroethene
TCL	Target Compound List
TCLP	Toxicity Characteristic Leaching Procedure
TMW	Temporary Monitoring Well
TOGS	Technical and Operational Guidance Series
TO-15	Toxic Organics-EPA Air Method 15
USDA	United States Department of Agriculture
USEPA	United States Environmental Protection Agency
USGS	United States Geological Survey
UST	Underground Storage Tank
VOC	Volatile Organic Compounds
cm/s	Centimeters per Second
ft/ft	Feet per Foot
µg/L	Microgram per Liter
µg/m ³	Microgram per Cubic Meter
mg/kg	Milligram per Kilogram
mL/min	Milliliters per Minute
ng/L	Nanogram per Liter

1.0 INTRODUCTION

Ranalli/Taylor St., LLC (Ranalli/Taylor St.) entered into a Brownfield Cleanup Agreement (BCA) in September 2017 and has conducted a Remedial Investigation (RI) at the former Coyne Textile Facility (Site), located at 140 Cortland Avenue in Syracuse, New York, through the New York State Department of Environmental Conservation's (NYSDEC's) Brownfield Cleanup Program (BCP), BCP Site No. C734144. Ranalli/Taylor St. is a Volunteer in the brownfield cleanup program and that status means their liability for the Site arises solely as a result of ownership, operation of or involvement with the Site subsequent to the disposal of hazardous waste or discharge of petroleum. Furthermore, they are not responsible for conducting off-site investigations.

CHA Consulting, Inc. (CHA) was retained by Ranalli/Taylor St. to conduct the RI, which identified environmental concerns and provided additional information necessary to evaluate remedial alternatives. The purpose of the BCP is to encourage voluntary remediation of brownfield sites for reuse and development. This includes conducting a complete characterization of the Site. The Site location is shown in Figure 1.

CHA has prepared this Remedial Investigation Report (RI Report) to be consistent with the guidance provided in the NYSDEC's Division of Environmental Remediation program policy 10 (DER-10) "Technical Guidance for Site Investigation and Remediation" (May 2010). This RI Report has been prepared to outline the procedures that were utilized to conduct a comprehensive environmental RI, to summarize the results of the investigation, and potentially develop remedial alternatives for the Site. The primary objectives of the RI include the following:

- Further define the nature/extent of contamination;
- Identify potential source areas;
- Assess impacts; and
- Provide additional data necessary for a Remedial Alternatives Analysis (RAA).

1.1 REPORT ORGANIZATION

This Report is organized as follows:

- Section 2.0 summarizes the Site setting and physical characteristics;
- Section 3.0 summarizes the Site history;
- Section 4.0 summarizes previous Site investigations;

- Section 5.0 summarizes the 2018 Site remedial investigation activities and methodologies;
- Section 6.0 summarizes the data usability;
- Section 7.0 summarizes the 2018 remedial investigation results;
- Section 8.0 summarizes the nature and extent of contamination at the Site;
- Section 9.0 summarizes qualitative exposure assessment completed based on current and historic data; and
- Section 10.0 presents the conclusions and recommendations regarding the environmental status of the Site.

2.0 SITE SETTING AND PHYSICAL CHARACTERISTICS

2.1 SITE DESCRIPTION

The Former Coyne Textile Facility is located in an urban area at 140 Cortland Avenue in the City of Syracuse, Onondaga County, New York. The Site limits are generally bounded by commercial buildings to the north, South Salina Street to the east, Tallman Street to the south and South Clinton Street to the west (Figure 2). The Site is identified as two non-contiguous areas as described below:

- The former main laundry facility and offices are known as 140 Cortland Avenue (Tax Map No. 094.-05-06.0) and consist of one parcel of land totaling approximately 1.75 acres (Figure 3). This parcel consists of the currently vacant former laundering facility and offices (approximately 118,500 square feet), and concrete sidewalks. The building is a concrete block building with a slab-on-grade foundation.
- The park and employee parking area are known as 1002-1022 South Salina Street/Cortland Avenue (Tax Map No. 094.-20-01.0) and 1024-1040 South Salina Street/Tallman Street (Tax Map No. 094.-20-02.0) and consist of two parcels totaling approximately 1.70 acres (0.57 and 1.13 acres, respectively) (Figure 3). These parcels consist of a small park and a fenced in asphalt parking lot.

The Site is currently vacant and is zoned for commercial use. The general area surrounding the Site is highly developed and primarily consists of commercial and industrial facilities. Several rows of multi-family houses are located northwest of the Site.

2.2 SURFACE FEATURES

The main parcel of the Site, on the west side of Cortland Avenue, primarily consists of one building surrounded by asphalt roads and parking lot, concrete sidewalks and chain link fencing. The parcels immediately to the east of Cortland Avenue are currently an asphalt parking lot and landscaped area deemed Coyne Park (Figure 2). Surrounding property uses include headquarters for Central New York Regional Transportation Authority and Centro Inc., several industrial facilities, commercial retail locations and several religious affiliated facilities.

2.3 SUBSURFACE FEATURES

According to the United States Department of Agriculture (USDA) Web Soil Survey, the soil beneath the Site is indicative of Urban Land, which by definition, is a soil material having a non-agricultural, manmade surface layer that has been produced by mixing, and filling, in urban and

suburban areas. Surficial geology consists mostly of lacustrine silts and clays. Bedrock at the Site is mapped by the United States Geological Survey (USGS) as the Syracuse formation, which consists of dolostone, shale, gypsum and salts.

The Site is generally flat, with a gentle slope from the east to the west across the employee parking lot and beneath the main building. Generally, the slope indicates groundwater flows in the westerly direction and toward Onondaga Creek, located approximately 0.2 miles to the west of the Site.

3.0 SITE HISTORY

A Phase I Environmental Site Assessment (ESA) was prepared in 2014 by GZA GeoEnvironmental of New York (GZA) in general accordance with the American Society for Testing and Materials (ASTM) Standard Practice E 1527-13. GZA previously provided this report to the NYSDEC, and therefore, it is not included as part of this RI Report. According to the Phase I ESA, prior to Ranalli/Tracy St., LLC's purchase of the property in 2016, the 140 Cortland Avenue property was occupied by several manufacturing facilities and a gasoline station. Various entities of Coyne Textile Services have owned the property since the mid-1930s and the property was utilized as an industrial laundering facility. Coyne Textile Services filed for bankruptcy and ceased operations in late 2015. Dry-cleaning activities using tetrachloroethylene (PCE) and Stoddard solvent (a petroleum mixture made from distilled alkanes, cycloalkanes (naphthenes) and aromatic compounds) were conducted at the property until 2000. These dry-cleaning products were noted to be stored in aboveground storage tanks (ASTs). Additionally, three underground storage tanks (USTs) were noted as being located beneath the dry-cleaning room floor (containing Stoddard solvent) and the boiler room at 140 Cortland Avenue. A gasoline filling station was present in the southern portion of the Site in the 1980s.

The former employee parking lot and park located east of the former laundering facility was owned by Coyne Textile Services from 1989-2016. Prior to Coyne Textile Services, previous Site uses included bus storage and repairs, the Syracuse Street Car Barn, retail stores, and a gasoline filling station (circa 1950-1970).

Based on historic use and conditions observed during the Phase I ESA, recognized environmental conditions (RECs) were identified and subsequent investigation activities were completed. A description of the previous environmental investigations is provided in Section 4.0.

Ranalli/Taylor St. purchased the property in 2016 and entered a BCA in September 2017. Currently, the Site is vacant apart from use as a storage facility for Ranalli/Taylor St.

4.0 PREVIOUS INVESTIGATIONS

4.1.1 Phase I Environmental Site Assessment

As previously indicated, the Phase I ESA identified the Site as having been used for a variety of industrial purposes between 1892 and 2015. Historic uses have included mechanical manufacturing, textile manufacturing, a gasoline station, and industrial dry cleaning. Based on historic use and conditions observed during the Phase I ESA, RECs were identified and subsequent investigation activities were completed. The resulting RECs are:

- USTs containing dry cleaning solvents were found under the floor of the dry-cleaning room. Use of PCE occurred until the year 2000. These tanks were said to be “closed in place” in 1986, but no closure documentation was provided.
- Former gasoline station where the building expansion (circa 1980) exists currently.
- UST for heating oil under the floor of the main boiler room.
- Evidence of potential leaks from in-ground hydraulic lifts located in the main building.
- The employee parking lot was previously owned by Syracuse Transit Corporation and used as a bus garage, repair location, and filling station until the early 1970s, thus indicating potential historic use of petroleum products.

4.1.2 Subsurface Investigations

Under the direction of the previous Site Owner, a Phase II ESA was conducted in November of 2014 by GZA. Based upon the results of the Phase II ESA, additional investigation activities were conducted during 2015 by GZA on behalf of the previous Site Owner. These investigations are described below.

November 2014 Phase II Subsurface Investigation

This site assessment included a limited subsurface investigation to evaluate if historical Site usage had impacted Site soil and/or groundwater. The following summarizes the activities and findings that occurred as part of this investigation:

- Subsurface soil samples were collected from 23 locations at depths up to 13 feet below ground surface (ft bgs). Native soils were typically encountered between 9 and 13 ft bgs.

- High photoionization detector (PID) readings of up to 1,500 parts per million (ppm) organic vapors in soil were recorded in association with borings near the Boiler Room of the main laundry facility.
- Groundwater was encountered in some of the soil borings at depths ranging from 6 to 11 ft bgs. The presence of groundwater was not consistent throughout the Site, suggesting that it may be locally perched water.
- Soil analytical results, as shown in Table 1, indicate detectable concentrations of volatile organic compounds (VOCs), semi-volatile organic compounds (SVOCs) and Resource Conservation and Recovery Act (RCRA) 8 metals plus copper.
- Groundwater samples were collected from two temporary monitoring wells. During the installation of temporary monitoring well (TMW) number TMW-2, an oil-like sheen was observed on the groundwater surface and elevated PID readings were observed. A spill was reported to NYSDEC (Spill #1408779) based upon these findings. The NYSDEC closed Spill #1408779 on March 30, 2015 and consolidated it with Spill #1412187 which occurred as part of the March 2015 Phase III Subsurface Investigation. Additional details are provided in the March 2015 Phase III Subsurface Investigation Section below. Groundwater analytical results are summarized in Table 2.

Based on the results including high PID readings, petroleum odors, black stained soil, and an oil-like sheen on groundwater samples from the Phase II ESA, GZA recommended additional soil and groundwater sampling to further define the extent of contamination at the Site. Additionally, it was suggested to pursue sampling in areas where boring was unsuccessful, particularly where floor trenches and drains are located in the chemical storage and distribution room and near the laundry machines.

March 2015 Phase III Subsurface Investigation

A report titled, Phase III Environmental Site Assessment, was prepared in 2015 by GZA to further delineate the vertical and horizontal extent of petroleum contamination near well TMW-2 (associated with NYSDEC Spill #1408779), and to further evaluate the soil and groundwater conditions near the boiler room and dry-cleaning area. It is noted that the NYSDEC closed Spill #1408779 on March 30, 2015 for administrative reasons. This spill was ultimately consolidated with Spill #1412187 which occurred as part of the March 2015 Phase III Subsurface Investigation. Spill #1412187 is reported as closed on July 16, 2015.

A geophysical subsurface exploration using ground penetrating radar (GPR) was performed to identify locations that could hinder additional boring locations. An additional 23 soil borings were

advanced to a maximum of 20 ft bgs, and 25 soil samples were collected to further delineate areas of contamination and evaluate areas that were previously inaccessible.

Three permanent 1-inch diameter polyvinyl chloride (PVC) monitoring wells were installed near TMW-2, and four temporary 1-inch PVC monitoring wells were installed at four of the soil boring locations referenced above. Eight groundwater samples were collected from these wells.

Analytical lab results identified several areas with VOC and SVOC contamination above their applicable soil and groundwater standards, as shown in Tables 1 and 2, respectively.

2015 Vapor Intrusion Investigation

A vapor intrusion investigation was performed in 2015 to identify the potential for soil vapors inside the building on the Site. GZA collected sub-slab vapor, indoor air, and outdoor ambient air samples as part of this assessment. A total of 10 indoor air samples were collected approximately 4 to 5 feet above the floor, 10 sub-slab air samples were collected within 10 feet of the indoor air samples, and 1 outdoor air sample was collected from an exterior upwind location. Samples were sent to a New York State Department of Health (NYSDOH) Environmental Laboratory Approval Program (ELAP) certified laboratory for analysis of for Toxic Organics, EPA Air Method 15 (TO-15).

The investigation determined that PCE and its breakdown daughter products, as shown in Table 3, were present in the northern portion of the Site building where the laundering activities were conducted and were present at concentrations that would warrant mitigation under NYSDOH Guidance for Evaluating Soil Vapor Intrusion, dated 2006 guidelines. Monitoring and/or source identification and exposure measures were determined to be necessary throughout the remainder of the Site building. GZA recommended the installation of a vapor mitigation system, to address the potential vapor intrusion conditions.

4.1.3 Sampling Data

As previously noted, numerous soil, groundwater, and vapor samples have been collected from the Site during previous environmental investigations. The samples have been analyzed for a variety of parameters including VOCs, SVOCs, and metals. The historical sampling data has confirmed the presence of VOCs, SVOCs, and metals in both the soil and groundwater beneath the Site. Previous investigations have also confirmed that both petroleum-related contaminants and chlorinated solvents are present beneath the Site.

A detailed summary of the results of the previous investigations is provided in the following sections.

4.1.3.1 Soil

As demonstrated by the previous investigations detailed above, nearly all soil samples collected from the Site contained one or more parameters at concentrations above Title 6 New York State Codes, Rules, and Regulations (NYCRR) Part 375 Soil Cleanup Objectives (SCOs). Previous soil sample locations and detected compounds are shown on Figures 4 through 6 for VOCs, SVOCs, and metals, respectively. A summary of the analytical data is provided in Table 1.

In summary, the subsurface lithology was classified as “fill” to approximately 8 ft bgs across the Site. Gray, brown, or black silts, sands, clays, and gravel were identified in the fill layer. Fragments of brick or concrete, and traces of coal, ash, or slag were found at various depths. Beneath the fill material, alternating dark brown sands and silts were identified. Generally, refusal or end of boring was between 12 and 16 ft bgs.

The primary VOCs of concern include; 1,2,4-trimethylbenzene, 1,3,5-trimethylbenzene, 2-butanone (methyl ethyl ketone or MEK), acetone, dichlorobenzene, ethylbenzene, isopropylbenzene, m&p xylene, n-butylbenzene, n-propylbenzene, sec-butylbenzene, and chlorinated VOCs (CVOCs); cis-1,2-dichloroethene (DCE), trichloroethene (TCE), tetrachloroethane (PCE), and vinyl chloride. Contamination appears to be spread throughout the Site, with the majority of PCE contamination located in the western corner of the main building near the former dry-cleaning units.

The primary SVOCs of concern are polycyclic aromatic hydrocarbons (PAHs) consisting of benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthrene, benzo(k)fluoranthene, dibenz(a,h)anthracene, indeno(1,2,3-cd)pyrene and chrysene, all of which were detected in many of the soil samples collected throughout the Site.

Metals were only analyzed during the Phase II investigation. Results from the investigation indicate arsenic, copper, lead, and mercury are present on the Site above the 6 NYCRR Part 375 SCOs.

4.1.3.2 Groundwater

A total of three permanent groundwater monitoring wells and six temporary monitoring wells were installed in the shallow subsurface and sampled by GZA for analysis of VOCs and SVOCs (Figure 7). The direction of shallow groundwater flow was identified in the northwesterly direction,

generally toward Onondaga Creek. Additionally, wells TMW-2 and TMW-4 were sampled for RCRA 8 metals. As part of the sampling events, VOCs which exceeded the NYSDEC Technical and Operational Guidance Series (TOGS) 1.1.1 Class GA Ambient Water Quality Standards and Guidance Values were: benzene, cis-1,2-dichloroethene, PCE, vinyl chloride, n-butylbenzene, sec-butylbenzene, tert-butylbenzene, and p-isopropyltoluene. (Note that, henceforth, the term “standard” also refers to both the standards and the guidance values listed in TOGS 1.1.1) Only one SVOC, bis(2-ethylhexyl)phthalate, was detected at a concentration exceeding the applicable groundwater standards. One metal, barium, was detected in both temporary monitoring wells at concentrations that do not exceed the applicable groundwater standards. Historical data from groundwater investigation activities performed by GZA are summarized in Table 2.

4.1.3.3 Vapor Intrusion

As described above, GZA collected indoor air and sub-slab vapor samples at ten locations throughout the main Site building in 2015 (Figure 8). Results from the investigation indicate that:

- TCE was detected at concentrations warranting reasonable and practical actions to identify source(s) and reduce exposures in four locations, mitigate in three locations and monitor in two locations, per NYSDOH Guidance for Evaluating Soil Vapor Intrusion, dated 2006. The tenth location was outside of the property boundary and indicates reasonable and practical action to identify source(s) and reduce exposures but is not discussed henceforth.
- PCE was detected at concentrations required to take reasonable and practical actions to identify source(s) and reduce exposure in eight locations and mitigate in two locations.
- DCE was detected at concentrations requiring monitoring at one location.

Historical data from soil vapor investigation activities performed by GZA are summarized in Table 3. Detected compounds identified within the NYSDOH soil vapor intrusion matrices are shown on Figure 8.

5.0 REMEDIAL INVESTIGATION

The RI activities were completed between April 3 and April 20, 2018 to further characterize Site media. Field activities were conducted in accordance with United States Environmental Protection Agency (USEPA) and NYSDEC protocols, the NYSDEC-approved *Remedial Investigation Work Plan* (RIWP), (CHA, March 2018), and the Site-Specific Health and Safety Plan (HASP). Based upon historical Site investigation activities, several data gaps were identified which required additional investigation. These include the following:

- Geophysical survey in areas where USTs have previously been identified, of which the current status was unknown;
- Additional characterization of surface and subsurface soils to more fully determine the extent of contamination;
- Additional characterization for Target Compound List (TCL) VOCs and TCL SVOCs including Tentatively Identified Compounds (TICs), total polychlorinated biphenyls (PCBs), TCL pesticides, and/or Target Analyte List (TAL) Metals;
- Additional soil vapor intrusion analysis in the building;
- Additional site-wide characterization of groundwater quality;
- Determination of groundwater flow direction and flow velocity; and
- Characterization of soils for determination of off-site disposal requirements during Site preparation.

The specific field activities that were completed as part of the site characterization are described in the following sections. The areas of concern (AOCs) that were developed as part of the investigation are further described in Section 8.0.

5.1 GEOPHYSICAL SURVEY

On April 3, 2018 Underground Surveying, LLC of Brookfield, Connecticut conducted a geophysical survey in the area of the historical USTs within the building (the former boiler room and former dry-cleaning room), and the employee parking lot in an attempt to identify anomalies beneath the surface that may represent USTs. The geophysical activities were conducted on April 3, 2018 prior to the initiation of ground intrusive activities within the aforementioned areas.

5.2 SURFACE SOIL

One surface soil sample was collected from the green space area known as Coyne Park located immediately north of the former employee parking lot. The surface soil sample was collected and analyzed in accordance with the RIWP (see Table 4). Pace Analytical, Inc. (Pace) provided a Terra Core™ sampling kit for VOC analysis and amber jars for SVOC, metal, PCB and pesticide sampling. Per the RIWP, the soil sample was submitted for analysis of the following:

- TCL VOCs via USEPA Method 8260;
- TCL SVOCs via USEPA Method 8270;
- PCBs via USEPA Method 8082;
- TAL Metals via USEPA Method 6010; and
- Pesticides via USEPA Method 8081.

The surface soil sample results are summarized in Table 5 and the soil sampling location is shown on Figure 9. Complete laboratory analytical reports are provided in Appendix A.

5.3 SUBSURFACE SOIL

Between April 4 and April 20, 2018, a CHA environmental engineer oversaw the installation of a total of 24 soil borings. The purpose of the investigation was to evaluate the subsurface conditions in locations necessary to fill data gaps and to obtain current conditions in the region of historically contaminated soil identified in previous investigations. This included investigating areas where USTs containing dry cleaning solvents were historically located. Although there was some information that indicated these USTs were “closed in place”, there were no records to confirm this. Sampling rationale was previously reported in the RIWP and is included as Table 4 in this report.

The borings were installed by NYEG Drilling LLC (NYEG) of Brewerton, New York at locations shown on Figure 9 using a Geoprobe® hydraulic-push drill rig and two-inch diameter Macro-Core® samplers to collect soil samples.

Soil samples for laboratory analysis were collected from each borehole in accordance with the following protocols:

1. A sample was collected from the unsaturated interval which indicated the highest potential for the presence of contamination as determined by the highest PID, and/or visual observation; or

2. In the instance where elevated PID readings, or visible contamination were not present, a sample from the interval immediately above the water table was collected for laboratory analysis.

In addition, duplicate samples from two soil borings, and matrix spike/matrix spike duplicate (MS/MSD) samples from two soil borings were also collected. Samples, including quality assurance/quality control (QA/QC) samples, were collected and analyzed in accordance with the RIWP.

Each sample, including quality QA/QC samples, were collected and analyzed in accordance with the RIWP, see Table 4. Pace provided Terra Core™ sampling kits for VOC analysis and amber jars for SVOC, metal, PCB and pesticide sampling. Soil samples were submitted for analysis based on the RIWP and included the following:

- TCL VOCs via USEPA Method 8260;
- TCL SVOCs via USEPA Method 8270;
- PCBs via USEPA Method 8082;
- TAL Metals via USEPA Method 6010; and
- Select samples were analyzed for Pesticides via USEPA Method 8081.

A summary of the soil sample results is included in Table 5, on Figures 10 through 13, and the results are discussed in Section 7 of this report. Upon collection of the soil samples, the boreholes were backfilled with bentonite to the ground surface and hydrated. Soil cuttings and excess soil samples were placed in 55-gallon drums. Following waste characterization and profiling of the waste, the material was disposed of off-site disposal as further discussed in Section 5.7.

Stratigraphic cross-sections were created along two transects (Figures 14 through 16) to show subsurface characteristics across the Site. Each of the soil borings were advanced to a maximum depth of 25 ft bgs. Boring termination depth varied due to refusal at select locations or the identification of a silt layer or the groundwater table. Bedrock was not encountered during this investigation. According to the USDA Web Soil Survey, the soil beneath the Site is indicative of Urban Land, which is a soil material having a non-agricultural, manmade surface layer that has been produced by mixing, and filling, in urban and suburban areas. Surficial geology consists mostly of lacustrine silts and clays.

Field observations and the stratigraphic cross sections provided as Figures 14 through 16 confirmed the presence of urban fill to approximately 8 to 10 ft bgs. The fill material is a heterogeneous

mixture of sands, gravels, silts, and clays with the presence of crushed brick, concrete, and miscellaneous debris. In some locations and at varying depths within the employee parking lot, evidence of Solvay waste was observed. This included hydrated Solvay waste indicated by white, very loose, silty material and dehydrated Solvay waste indicated by a white, chalky material. The presence of Solvay waste at this Site is believed to be from use as fill material as there is no known historical usage of the materials on Site. Generally, silts and clays are present beneath the urban fill to a depth of approximately 13 to 15 ft bgs. Alternating lacustrine silts and clays, then sands and gravels, were encountered beneath the fill material to the end of each boring.

While bedrock was not encountered during the subsurface investigation, the bedrock at the Site is mapped by the USGS as the Syracuse formation, which consists of dolostone, shale, gypsum and salts. The maximum depth of any boring was 83 ft bgs; however, as noted above, bedrock was not encountered.

At each boring location, soil samples were collected continuously throughout the depth of the boring and screened for the presence of visual, olfactory, and photoionic evidence of contamination. A RAE Systems, Inc., Model MiniRAE 3000 PID was used to screen each sample for the presence of organic vapors. The unit was calibrated with 100 ppm isobutylene gas on-Site prior to each day's use. A calibration record is provided in Appendix B.

Soil lithology was logged in the field using a modified Burmeister soil classification method on Soil Probe Logs in accordance with the Field Sampling Plan. Copies of the Subsurface Boring Logs summarizing the subsurface conditions and field screening results at each location are included in Appendix C.

5.4 GROUNDWATER

Groundwater investigation activities consisted of the installation and sampling of Site groundwater monitoring wells and evaluating Site hydraulic conductivity (used to determine groundwater flow velocity). The groundwater monitoring well locations are shown on Figure 9. Groundwater samples were collected from a combination of existing and new groundwater monitoring wells, including permanent and temporary wells.

5.4.1 Groundwater Monitoring Well Installation

Six of the soil borings installed were converted to permanent, flush-mount groundwater monitoring wells in accordance with the RIWP. Due to both the potential presence of VOCs associated with

petroleum products (which are less dense than water), and VOCs associated with chlorinated solvents (also referred to as CVOCs) which are denser than water, three (3) of these well locations were converted to clusters of monitoring wells in an effort to screen the shallow, intermediate, and/or deep groundwater zones dependent upon field conditions. One of the well clusters was installed in a presumed upgradient location (GW-105), while the remaining clusters were installed in presumed downgradient locations (GW-101 and GW-103). Cluster GW-101 was located in the former Mat Repair area while GW-103 was located adjacent to historical USTs. A confining layer of silty clay was encountered at 26 ft bgs at the location of cluster GW-103 and at 30 ft bgs at the location of cluster GW-105. It was determined that the confining layer was sufficient to prevent the migration of potential contamination and, thus, only two groundwater monitoring intervals were installed at these two locations. The deepest well at GW-101 was bored via direct push technology to a depth of 83 ft bgs. As previously stated, bedrock was not encountered and the well was set in the sand strata with a maximum depth of 72 ft bgs. The remaining three (3) monitoring wells were not placed in clusters and were screened in the shallow groundwater zone.

The new monitoring wells were constructed of 2-inch diameter Schedule 40 polyvinyl chloride (PVC) riser pipe and 10 feet of 0.010-inch slotted PVC screen. The well screen was installed to straddle the desired water table as detailed in Table 6. The annular space of the monitoring wells was filled with a silica sand pack to one foot above the well screen. A 2-foot thick bentonite seal was then placed above the screen. The remaining borehole between the bentonite seal and the ground surface was backfilled with bentonite-cement grout. The groundwater monitoring wells were completed with a locking plug and a flush-mounted steel protective casing set in a concrete pad. Well construction logs for the groundwater monitoring wells are included in Appendix D.

In addition to the permanent wells, soil boring SOIL-116 was converted to a temporary groundwater monitoring well (Temp-GW001). In accordance with the RIWP, gross contamination consisting of elevated PID readings (>15,000 ppm) and olfactory evidence of contamination was observed during the investigation and as a result the soil boring was converted to a temporary groundwater monitoring well. This temporary monitoring well was constructed of 1-inch diameter Schedule 40 PVC riser and five (5) feet of 0.010-inch slotted PVC screen.

Following installation, each permanent well was developed using a combination of pumping and surging in accordance with the RIWP. Each of the newly installed groundwater monitoring wells was developed until the turbidity of the groundwater was less than 50 nephelometric turbidity units (NTUs), or for a maximum of two hours each, whichever came first. Each of the permanent monitoring wells was purged of a minimum of 12 gallons of water. Solvent-like odors were present

while developing monitoring wells GW101S, GW101I, GW104, GW103S, and GW103D. Purge water was placed into 55-gallon New York State Department of Transportation (NYSDOT)-approved drums and stored on-Site.

5.4.2 Hydraulic Conductivity Testing

On May 4, 2018 slug tests were conducted on seven of the newly installed flush mount groundwater monitoring wells: GW101S, GW101I, GW101D, GW103S, GW103D, GW105S, and GW105D, to determine hydraulic conductivity of the surrounding subsurface soils. Hydraulic conductivity is a measure of a material's ability to transmit water across a hydraulic gradient. Slug tests were performed using downhole equipment from In-Situ[®] Environmental Equipment Rentals and in accordance with CHA's Standard Operating Procedure (SOP) #321. Specifically, a Level TROLL 700[®] pressure transducer was placed approximately two feet above the bottom of the well and allowed to equilibrate. The static water level was measured via the pressure transducer and using a water level meter before and after the pressure transducer was placed. A weighted PVC slug measuring 50 inches in length and 1.5 inches in diameter was inserted into the water column above the pressure transducer to complete the Falling Head Test (FHT). Output from the pressure transducer was monitored on a field tablet that communicated with the transducer via a Bluetooth connection and the depth to water was periodically measured using a Solinst[®] Water Level Meter. When the water level stabilized to within 0.1 feet of the static water level, the FHT was ended and the Rising Head Test (RHT) began by removing the slug and allowing the water level to return to static. The depth to water was periodically measured with the water level meter and compared to the static water level at the end of each test.

Slug test data were analyzed using AQTESOLV[®] Pro Version 4.5 to estimate hydraulic conductivity values. Hydraulic conductivity was estimated for each data set using the Bouwer-Rice (1976) solution (Bouwer and Rice, 1976), on the basis that the aquifer is unconfined and monitoring wells partially penetrate the aquifer. For datasets where an overdamped response was observed, a straight line was fitted to the recommended normalized head range between 0.2 and 0.3. In cases where a double-straight line effect was noted as a result of drainage of water from the filter pack (in cases for wells whose screened intervals intersect the water table), the straight-line solution was fitted to the second, less-steep line segment representative of the aquifer response.

Upon matching the solutions and obtaining a hydraulic conductivity value for each test, average hydraulic conductivity values were calculated using the estimated FHT and RHT hydraulic conductivity values. AQTESOLV solution data plots and reports, and a summary of the

average/geometric mean hydraulic conductivity values are provided in Appendix E. A summary of the results is provided in Table 10 and discussed in Section 7 of this report.

5.4.3 Groundwater Sample Collection

Groundwater samples were collected from each of the newly installed groundwater monitoring wells, as well as each existing on-site groundwater monitoring well (MW-1, MW-2 and MW-3). A minimum of 24 hours following well development of newly installed wells, well riser headspace PID readings were collected with the MiniRAE 3000 PID prior to purging and sampling at each groundwater monitoring well. Purging was conducted by utilizing a submersible pump connected to dedicated polyethylene tubing for each monitoring well, excluding the existing permanent wells MW1, MW2, and MW3 where a peristaltic pump was utilized in the one-inch well risers. The pump and tubing (just tubing for the peristaltic pump) were slowly lowered into the well to the bottom of the well screen. Purge water was placed into 55-gallon NYSDOT-approved drums and stored on-Site. All non-disposable equipment was cleaned in accordance with the RIWP to minimize the potential for cross-contamination.

Field water quality parameters were monitored using a Horiba Water Quality flow-through cell and recorded using a field tablet. The field water quality results are presented in Table 7. Following stabilization, the groundwater sample was collected.

Samples, including QA/QC samples, were collected in accordance with the RIWP's SOPs and analyzed in accordance with the RIWP, as summarized in Table 4. Groundwater samples were submitted to Pace for analysis of the following:

- TCL VOCs via USEPA Method 8260;
- TCL SVOCs via USEPA Method 8270;
- PCBs via USEPA Method 8082;
- TAL Metals via USEPA Method 6010; and/or
- In accordance with the RIWP, select samples representative of the Site were analyzed for:
 - Pesticides via USEPA Method 8081;
 - Per- and polyfluoroalkyl substances (PFAS); and
 - 1,4-Dioxane.

Per the RIWP, the temporary well was sampled for VOCs and SVOCs only, using a peristaltic pump, and was removed and backfilled with bentonite after sample collection.

A summary of the groundwater samples results is included in Tables 8 and 9, on Figures 19 through 21, and the results are discussed in Section 7 of this report.

5.5 VAPOR INTRUSION

On April 17, 2018, six temporary sub-slab vapor points were installed inside the building and two temporary soil vapor points were installed in the asphalt parking areas in an effort to identify the potential presence of VOCs in soils beneath the Site. Vapor sampling locations are shown on Figure 9.

To facilitate the installation of each sub-slab probe, a three-inch diameter hole was drilled into the concrete and the sub-slab probes were set at a depth no further than two inches into the sub-slab material. Next, a 3/8-inch outside diameter by 1/4 inch inside diameter metal pipe was inserted into the hole and coarse sand was added to cover the probe to approximately one inch above the screen. Finally, bentonite was used to create a surface seal. Soil vapor probes were installed in a similar fashion, but the bottom of the metal pipe was set approximately 2 ft bgs to be below the subbase material and above saturated soil.

Prior to collecting samples, CHA performed a tracer gas study with the use of helium at each of the sub-slab locations by following the sequence of steps indicated in the RIWP. A MGD 2002 Dielectric Helium Leak Detector was utilized to detect potential leaks prior to sample collection by purging vapor through the sample tube.

As shown on Table 11, seven of the eight soil/sub-slab vapor point had concentrations of helium less than 10,000 ppm, which is in accordance with CHA SOP#335. The concentration of helium detected at SV-IA104 (11,700 ppm), was less than the guidance value of 10% of the chamber concentration which was assumed to be near 100% saturation, or 1,000,000 ppm. The tubing appeared to be in good condition, therefore, the vapor point at SV-IA104 was deemed adequate for sampling.

After the tracer gas study was performed and before the samples were collected, one to three implant volumes (volume of the metal sample probe and tube) were purged at a rate less than 200 milliliters per minute (mL/min) from the vapor point to obtain samples that were representative of the subsurface conditions.

Samples were collected in six-liter SUMMA canisters that were certified clean by Pace. Flow regulators were pre-calibrated by Pace to collect a controlled sample. Samples were collected on

April 18, 2018, until pressures were observed at approximately 5 to 6 inches of mercury, or 8-hours, whichever came first. Two indoor air samples and one outdoor air sample were collected concurrently with the sub-slab vapor within the building and soil vapor in the two non-contiguous parking lots. The field data logs are provided in Appendix F. Vapor samples were collected in accordance with the NYSDOH Center for Environmental Health *Guidance for Evaluating Soil Vapor Intrusion in the State of New York* (October 2006).

After sample collection, the canisters were properly packed and transported under chain-of-custody protocol to Pace for analysis of VOCs via USEPA TO-15. A summary of the vapor intrusion results is included in Table 12, and the results are discussed in Section 7.

5.6 DECONTAMINATION

Prior to Site mobilization, the drill rig was decontaminated to remove oil, grease, mud, and other foreign matter. Subsequently, before initiating drilling at each boring location, samplers, drill steel, and associated non-expendable equipment was decontaminated to prevent cross-contamination. Cleaning was conducted adjacent to each boring location using the procedures outlined in the following sections and in accordance with RIWP.

5.6.1 Small Equipment

Dedicated sampling equipment was used whenever possible. However, when non-dedicated equipment was used (i.e. Macro-Core® barrel), decontamination was conducted in accordance with the RIWP and as summarized below:

- Disassemble equipment, as required.
- Remove gross contamination from the equipment by brushing and then rinsing with tap water.
- Wash with Alconox and tap water.
- Rinse with tap water.
- Rinse with distilled water.
- Air dry equipment.

Field personnel utilized a new pair of nitrile gloves to handle sample equipment after it was cleaned.

5.6.2 Large Equipment

The permanent components of the drill rig (e.g., body, tracks, etc.) did not come into contact with contaminated soils since the work was performed in areas covered by concrete and asphalt, therefore, large equipment decontamination was not required.

5.7 WASTE CHARACTERIZATION SAMPLING

Waste characterization samples, including two soil samples (SOIL-WC100 and SOIL-WC101) and two water samples (GW-WC100 and GW-WC101) were collected from the containerized waste cuttings and purge water. Composite and grab (VOCs only) waste characterization samples were collected with disposable equipment (e.g., clean nitrile gloves, bailer) and were submitted to Pace for analysis in accordance with the RIWP. Soil waste characterization samples were analyzed for:

- Toxicity characteristic leaching procedure (TCLP) VOCs via EPA Method 8260C;
- TCLP SVOCs via EPA Method 8270D;
- TCLP Metals via EPA Method 6010C;
- TCLP Pesticides via EPA Method 8081B;
- TCLP Herbicides via EPA Method 8151;
- PCBs via EPA Method 8082A;
- Cyanide and Sulfide reactivity via EPA Methods 9012 and 9034;
- Ignitability via EPA Method 1010A; and
- pH via EPA Method 9045D.

Groundwater waste characterization samples were analyzed for:

- TCL VOCs via EPA Method 8260C;
- TCL SVOCs via EPA Method 8270D;
- Metals via ICP Method 6010C;
- Pesticides via EPA Method 8081B;
- PCBs via EPA Method 8082A; and
- pH via EPA Method 9045D.

A summary of the RI results is included in Section 7 of this report.

5.8 SURVEY

Following groundwater monitoring well installation activities, the location and elevations of the top of the flush-mount casing and the top of the well riser at each new well location was surveyed by

Ianuzi & Romans Land Surveying. Each soil boring and soil vapor location were also surveyed using a hand-held global positioning system (GPS) device. Survey data was tied into the existing Site survey data.

6.0 DATA USABILITY

6.1 QUALITY ASSURANCE/QUALITY CONTROL SAMPLES

Quality assurance/quality control (QA/QC) samples were collected and analyzed to determine the reliability of the data generated as described in the Quality Assurance Project Plan (QAPP) provided in the RIWP and to support the required third-party data usability evaluation. Site specific QA/QC samples included duplicates, equipment blanks, field blanks, and MS/MSD samples. These samples were collected at a frequency of 1 per 20 samples for each environmental media.

6.1.1 Duplicate Samples

A blind duplicate sample is designed to measure the precision of the laboratory. Two subsurface soil and one groundwater blind duplicate samples were submitted to the laboratory and analyzed for the parameters matching the soil or groundwater analysis associated with that boring or monitoring well, in accordance with the RIWP.

6.1.2 Equipment Blank Samples

An equipment blank is designed to measure the effectiveness of the decontamination of field equipment. One equipment blank sample was collected from distilled water poured over the decontaminated sampling equipment, in accordance with the RIWP.

6.1.3 Field Blank Samples

A field blank sample is designed to account for possible external contamination of the routine samples, generally from exposure to contaminated air. The sample containers were filled with distilled water and allowed to sit, uncovered, for an extended period throughout the groundwater sampling event. One groundwater field blank sample was submitted to the laboratory and analyzed VOCs, in accordance with the RIWP.

6.1.4 Matrix Spike/Matrix Spike Duplicate Samples

A MS/MSD sample is used by the laboratory to check the accuracy of their instruments. Two subsurface soil and one groundwater MS/MSD samples were submitted to the laboratory and analyzes for the parameters matching the soil or groundwater analysis associated with that boring or monitoring well, in accordance with the RIWP. The results are compared to the routine sample, with

the difference being the amount of analyte spiked into the MS/MSD samples, within a margin of error.

6.2 DATA REVIEW

In accordance with the RIWP, the laboratory analytical data was independently evaluated and submitted for independent review. Ms. Jodi Zimmerman of Vali-Data of WNY located in Buffalo, New York prepared the data usability summary report (DUSR) for the soil, groundwater and soil vapor samples collected during April 2018.

According to the laboratory job narratives, all samples were received within temperature requirements and holding times. The analytical laboratory deliverable Analytical Services Protocols (ASP) Category B deliverables package was submitted to Vali-Data of WNY for independent data validation. The DUSRs are included as Appendix G of this report.

In general, the DUSR indicates that the data is usable and there was no data that was qualified as unusable. However, it should be noted that, where applicable, data was flagged as follows:

- Analytical results outside the QC limits were flagged as estimated (J).
- Analytical results outside the QC limits (high) were flagged as estimated high (JH).
- Analytical results were qualified as undetected at the reporting limit (RL) in some instances where the analyte was detected above the method detection limit (MDL) and below the RL. Likewise, the associated samples in which these target analytes were detected above the reporting limit were qualified as estimated high (JH).
- An 'E' qualifier was removed from the 1,4-dioxane analyte of groundwater sample GW-103D since the actual concentration was within limits.

The above-mentioned flagged results were implemented in the analytical results, where applicable.

7.0 REMEDIAL INVESTIGATION RESULTS

7.1 SITE STRATIGRAPHY

Field observations and the stratigraphic cross sections provided as Figures 14 through 16 confirmed the presence of urban fill to approximately 8 to 10 ft bgs. Generally, silts and clays are beneath the urban fill to a depth of approximately 13 to 15 ft bgs. Alternating lacustrine silts and clays, then sands and gravels, were encountered beneath the fill material to the end of each boring. At least two silt and clay layers, one below the urban fill and one at varying depths, but approximately 26 to 30 ft bgs, may act as confining layers to impede the vertical transport of contamination.

7.2 SITE HYDROGEOLOGY

This section describes pertinent field observations of the hydrogeological setting of the Site, including depth to groundwater measurements to determine groundwater flow direction and slug tests to determine the hydraulic conductivity of soil.

7.2.1 Groundwater Flow Direction

The depth to groundwater at the Site is typically less than 15 ft bgs. The water level in ten newly installed permanent groundwater monitoring wells and three existing monitoring wells was measured at approximately 7 to 13 ft bgs using a Solinst Water Level Meter. Groundwater level measurements from each monitoring well are provided on Table 6.

Based on groundwater elevations measured on April 19, 2018, a groundwater contour map was prepared for the unconfined aquifer (see Figure 23). Groundwater flow across the employee parking lot generally flows from east to west; toward Onondaga Creek. The cluster wells at GW-105 are considered to be the “upgradient” wells based on Figure 23. Beneath the building, groundwater contours are nearly flat, apart from the northwestern portion of the building where slightly elevated groundwater indicates a localized flow path from the north-western portion of the building toward the center of the building, near well GW-102.

7.2.2 Hydraulic Conductivity

Site hydraulic conductivity (k) values obtained from slug testing completed on May 4, 2018 from the clustered wells at GW-101, GW-103, and GW-105 (Table 10). The horizontal hydraulic conductivity of the shallow wells was calculated to be 1.89×10^{-4} centimeters per second (cm/s) via geometric

mean, with all values from individual tests ranging between 1.56×10^{-5} cm/s (GW-101I) to 5.21×10^{-4} cm/s (GW-103D). A slug test analysis was not completed for the data sets collected from GW-101D because water levels did not stabilize within 1.5 hours and the test was cancelled.

Observations made during subsurface remedial investigation activities indicate that unconsolidated native material beneath the Site is composed of lacustrine silts/clays alternating with sand and gravel. Hydraulic conductivity values of individual strata likely vary by multiple orders of magnitude. Literature-derived hydraulic conductivity values for fine-grained sand typically range from 2.01×10^{-6} cm/s to 2.01×10^{-4} cm/s (Domenico and Schwartz, 1990), and therefore, the calculated geometric mean hydraulic conductivity of the shallow subsurface value of 1.89×10^{-4} cm/s is consistent with the literature.

7.2.3 Groundwater Flow Velocity

To calculate the horizontal groundwater flow velocity, CHA used Darcy's Law:

$$V = (k * i)/n$$

where V = velocity, k = hydraulic conductivity, i = gradient and n = effective porosity.

The hydraulic gradient (i) across the Site is approximately 0.014 feet per foot (ft/ft). Based on the type of sediments encountered, a porosity (n) of 33 percent was utilized.

The shallow groundwater flow velocity is estimated to be approximately 8 feet per year.

7.3 GEOPHYSICAL SURVEY

The results of a magnetic locating survey and ground penetrating radar survey were inconclusive relative to the presence of subsurface tanks or other structures. A copy of the report is included in Appendix H.

7.4 CONTAMINANT RESULTS

This section describes pertinent field observations and analytical results in Site surface soil, subsurface soil, groundwater, and soil vapor collected during RI activities. Results for soils were compared to 6 NYCRR Part 375 Unrestricted Use and Commercial Use Soil Cleanup Objectives (SCOs). The Unrestricted SCOs represent the concentration of a contaminant in soil which, when achieved at the Site, 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 soil. The Commercial SCOs represent the concentration of a contaminant in soil which, when achieved at the Site, will allow for restricted use of the Site. Commercial use of a Site includes buying, selling, or trading of goods or services and passive recreation where the public has limited potential for soil contact.

The analytical results for the groundwater samples collected were compared to TOGS 1.1.1 Class GA Ambient Water Quality Standards.

7.4.1 Surface Soil

Only one VOC, acetone, was detected in the surface soil sample collected from Coyne Park at a concentration of 0.427 ppm which exceeds the Part 375 Unrestricted SCO of 0.05 ppm but is significantly less than the Part 375 Commercial SCO of 500 ppm. SVOCs, PCBs, metals, and pesticides contamination in the surface soil sample did not exceed their respective Part 375 Unrestricted SCOs. Complete laboratory analytical reports are provided in Appendix A.

7.4.2 Subsurface Soil

The subsurface soil sample results are summarized in Table 5 and soil boring locations are shown on Figures 9 through 13. Complete laboratory analytical reports are provided in Appendix A.

Field Observations

During soil boring activities, a PID was used for field screen purposes. A summary of PID readings is as follows:

- In most borings, the PID indicated low concentrations of VOCs (0.0 to 0.3 ppm) throughout the entire vertical soil profile.
- The exceptions were as follows:
 - In boring SOIL-116, the PID reached the maximum limit of the meter at 15,000 ppm.
 - Other boring locations near boring SOIL-116, including soil borings SOIL-115, SOIL-117, and SOIL-119 also had elevated readings of 6.1, 7.3, and 125.4 ppm, respectively.
 - Elevated PID readings with a maximum of 1,272 ppm were observed at soil boring SOIL-110, within the former Mat Repair area and adjacent to the Rear Loading Dock.
 - Within the employee parking lot and in the area of the historical bus garage boiler room, soil borings SOIL-102 and SOIL-104 were found to have PID readings between 463.1 and 922 ppm.

Analytical Synopsis of Range of Contaminants

The soil borings installed as part of the RI confirmed the presence of VOCs, SVOCs, and metals at concentrations exceeding their respective Part 375 Commercial SCO, particularly in the location of the former dry-cleaning room in the northwestern portion of the building. For the entire Site, VOC concentrations ranged from non-detect (ND) to a maximum of 460 milligrams per kilogram (mg/kg) (PCE), SVOC concentrations ranged from ND to a maximum of 3.64 mg/kg (fluorene), and metal concentrations ranged from ND to a maximum of 110,000 mg/kg (calcium).

VOC Results

VOCs were detected above the Part 375 Unrestricted SCOs in 18 of the 24 samples collected from each soil boring. Only one VOC, PCE, was detected at a concentration exceeding the Part 375 Commercial SCO of 150 mg/kg (460 mg/kg, SOIL-116). Additional parameters above their respective Part 375 Unrestricted SCOs at location SOIL-116 include 1,1-dichloroethene at 1.45 mg/kg, 1,2,4-trimethylbenzene at 4.31 mg/kg, trichloroethene at 38.3 mg/kg, vinyl chloride at 12.3 mg/kg, and cis-1,2-dichloroethene at 424 mg/kg. This soil boring was converted into a temporary monitoring well to further characterize the impact to the subsurface.

Acetone was detected consistently across the Site. Benzene was detected across the Site but only exceeds its Part 375 Unrestricted SCO in samples SOIL-105, SOIL-110, and SOIL-112. Methyl Ethyl Ketone (2-Butanone) was detected above its Part 375 Unrestricted SCO in sample SOIL-121. Note that acetone and MEK are common laboratory contaminants and although not flagged in the DUSR, the results may not represent actual Site conditions.

SVOC Results

Low-level concentrations of SVOCs were detected below their respective Part 375 Unrestricted SCOs in 11 of 24 samples collected. SVOCs detected at concentrations exceeding their respective Part 375 Unrestricted SCOs, but below Part 375 Commercial SCOs, include benzo(a)anthracene at 1.38 mg/kg, benzo(b)fluoranthene at 1.15 mg/kg, and chrysene at 1.66 mg/kg in sample SOIL-115B. No SVOCs were detected at concentrations exceeding the Part 375 Commercial SCOs.

Pesticides & PCB Results

Pesticides were not detected in any of the subsurface samples. PCBs, including Aroclor 1242 and Aroclor 1260, were detected in samples SOIL-116, SOIL-118, and SOIL-119 at concentrations above their respective Part 375 Unrestricted SCO of 0.1 mg/kg, but below the Part 375 Commercial SCO.

Metal Results

Low concentrations of metals were found across the Site. Some notable parameters included:

- Mercury, detected at a concentration exceeding the Part 375 Unrestricted SCO in samples SOIL-115B, SOIL-116, SOIL-119, and SOIL-120, but the results were less than the Part 375 Commercial SCO. The detection in sample SOIL-115B was qualified, by Pace, with a JH qualifier indicating an estimated high value;
- Lead, detected in sample SOIL-104 at a concentration exceeding the Part 375 Unrestricted SCO, but less than the Part 375 Commercial SCO. Other detections of lead exceeding the Part 375 Unrestricted SCO were qualified, by Pace, with a JH qualifier;
- Barium detected at a concentration of 404 mg/kg in boring SOIL-114, which exceeds the Part 375 Commercial SCO of 400 mg/kg. However, this value was qualified, by Pace, with a JH qualifier.

7.4.3 Groundwater

The analytical results for the groundwater samples collected were compared to TOGS 1.1.1 Class GA Ambient Water Quality Standards. The groundwater analytical results are presented in Tables 8 and 9 (Note that Table 9 summarizes the PFAS and 1,4-dioxane detected results only). The monitoring well locations are depicted on Figures 19 through 21. The laboratory analytical reports are available in Appendix A.

Prior to purging and sampling at each location, a well riser headspace PID reading was observed. PID readings ranged from 0.3 ppm in well GW-104 to 161 ppm in well GW-102. Well specific PID readings are provided in Tables 8 and 9.

Each permanent groundwater monitoring well was analyzed for VOCs, SVOCs, metals, and PCBs. PFAS and 1,4-Dioxane were also analyzed in samples GW-103D, GW-104, and GW-105D. A temporary groundwater monitoring well (Temp-GW001) was installed in the same location as boring SOIL-116, where contamination was observed in the historical UST area, and analyzed for VOCs and SVOCs only. The results of groundwater monitoring are discussed below.

Temp-GW001

This temporary groundwater well was installed in boring SOIL-116 and in the approximate location of historical USTs near the northwest corner of the building. VOCs detected above their respective water quality standards include:

- Isopropylbenzene at 18.4 microgram per liter ($\mu\text{g/L}$),
- PCE at 21,400 $\mu\text{g/L}$

- TCE at 1,980 µg/L,
- Vinyl chloride at 1,560 µg/L,
- total xylene at 6.2 µg/L,
- 1,1-Dichloroethene at 18 µg/L,
- Cis-DCE at 4,550 µg/L, and
- Trans-1,2-Dichloroethene at 27.5 µg/L.

SVOCs detected above their respective water quality standard include:

- Bis(2-Ethylhexyl)phthalate at 11 µg/L.

GW-100

Groundwater monitoring well GW-100 is located in the southeastern corner of the building and is screened from 13 to 23 ft bgs. VOCs detected at concentrations above their respective groundwater standard include:

- Benzene at 13.1 µg/L,
- Vinyl chloride at 17.6 µg/L,
- Cis-DCE at 8.4 µg/L, and
- Trans-1,2-Dichloroethene at 8.7 µg/L.

Metals detected at concentrations above their respective groundwater standards include iron at 2,840 µg/L and magnesium at 52,500 µg/L.

SVOCs and PCBs were not detected in this well.

GW-101 Cluster

Groundwater monitoring well cluster GW-101S/I/D is located within the former Mat Repair area in the southwestern section of the building. Wells GW-101S/I/D are screened from 10 to 20 ft bgs, 35 to 45 ft bgs and 62 to 72 ft bgs, respectively. SVOCs and PCBs were not detected in the GW-101 cluster monitoring wells; however, the following list summarizes the VOC and metal results.

- GW-101S: Benzene, at 10.6 µg/L, was the sole VOC detected above the water quality standard of 1 µg/L. Metals detected at concentrations above their respective water quality standard include copper at 1,120 µg/L, iron at 2,850 µg/L, and magnesium at 51,300 µg/L.
- GW-101I: No VOCs were detected at concentrations above their respective water quality standard. Metals detected at concentrations above their respective water quality standard

include aluminum at 10,500 µg/L, beryllium at 7 µg/L, copper at 1,070 µg/L, iron at 20,700 µg/L, magnesium at 93,200 µg/L, and manganese at 854 µg/L.

- GW-101D: No VOCs were detected at concentrations above their respective water quality standard. Metals detected at concentrations above their respective water quality standard include aluminum at 6,380 µg/L, iron at 13,600 µg/L, magnesium at 98,600 µg/L, and manganese at 1,050 µg/L.

GW-102

Groundwater monitoring well GW-102 is located near the center of the building and is screened from approximately 14 to 24 ft bgs. VOCs detected above their respective water quality standard include:

- Benzene at 35.3 µg/L,
- Vinyl chloride at 40.3 µg/L, and
- Total xylenes at 19.3 µg/L.

Metals detected at concentrations above their respective water quality standard include iron at 2,140 µg/L and magnesium at 59,700 µg/L.

SVOCs and PCBs were not detected in this well.

GW-103 Cluster

Groundwater monitoring well cluster GW-103S/D are located adjacent to the former dry-cleaning room in the northwest section of the building. GW-103S/D are screened from approximately 6 to 16 ft bgs and 16 to 26 ft bgs, respectively. SVOCs and PCBs were not detected in the GW-103 cluster wells. The following list summarizes exceedances.

- GW-103S: VOCs detected above their respective water quality standard include isopropylbenzene at 5.3 µg/L and PCE at 7.1 µg/L. Metals detected at concentrations above their respective water quality standard include iron at 7,700 µg/L, manganese at 681 µg/L, and thallium at 10.3 µg/L.
- GW-103D: VOCs detected above their respective water quality standard include vinyl chloride at 76.2 µg/L DCE at 17.1 µg/L. Metals detected at concentrations above their respective water quality standard include iron at 2,290 µg/L, magnesium at 49,900 µg/L, and thallium at 10.3 µg/L. PFAS and 1,4-dioxane were detected as summarized in Table 9. Perfluorooctanoic acid (PFOA) was detected at a concentration of 300 ng/L and perfluorooctanesulfonic acid (PFOS) was detected at a concentration of 2,000 ng/L. 1,4-dioxane was detected at a concentration of 1.7 ng/L. The USEPA Health Advisory limit for PFAs in drinking water is 70 ng/L, which was exceeded in GW-103D. However, the Site groundwater is not utilized for public consumption as it is serviced by the public water supply.

GW-104

Groundwater monitoring well GW-104 is located in the northern parking lot and to the east of the former waste water ASTs and respective containment system. This well was screened from approximately 8 to 18 ft bgs. No VOCs were detected at concentrations above their respective water quality standard. Metals detected at concentrations above their respective water quality standard include aluminum at 3,940 µg/L, iron at 9,010 µg/L, magnesium at 60,700 µg/L, manganese at 1,090 µg/L, and thallium at 14.5 µg/L.

SVOCs and PCBs were not detected at this location.

PFAS were detected in well GW-104 as summarized in Table 9, but 1,4-Dioxane was not detected in GW-104. PFOA was not detected and PFOS was detected at a concentration of 1.4 ng/L. The USEPA Health Advisory limit for PFAs in drinking water was not exceeded in well GW-104.

GW-105 Cluster

Upgradient groundwater monitoring well cluster GW-105S/D is located within the employee parking lot and within the vicinity of the former bus garage. GW-105S/D are screened from approximately 8 to 18 ft bgs and 20 to 30 ft bgs, respectively.

SVOCs and PCBs were not detected in the GW-105 cluster wells. Exceedances are summarized as follows:

- GW-105S: Benzene, at 1.3 µg/L, was the sole VOC detected above the water quality standard of 1 µg/L. Metals detected at concentrations above their respective water quality standard include aluminum at 2,620 µg/L, iron at 13,000 µg/L, magnesium at 204,000 µg/L, manganese at 1,380 µg/L, and thallium at 14.5 µg/L.
- GW-105D: Benzene, at 104 µg/L, was the sole VOC detected above the water quality standard of 1 µg/L. Metals detected at concentrations above their respective water quality standard include barium at 2,940 µg/L, iron at 3,870 µg/L, and magnesium at 40,000 µg/L. PFAs were detected in GW-105D as summarized in Table 9. 1,4-Dioxane was not detected in GW-105D. PFOA was not detected and PFOS was detected at a concentration of 0.55 ng/L. The USEPA Health Advisory limit for PFAs in drinking water was not exceeded in GW-105D.

GW-MW1

Groundwater monitoring well MW1 is one of three permanent wells installed in 2015 by GZA and is located on the west side of the former employee parking lot and in the vicinity of the former bus garage boiler room. During the RI, no VOCs were detected at concentrations above their respective

water quality standard. Metals detected above their respective water quality standard include iron at 5,620 µg/L, magnesium at 248,000 µg/L, and manganese at 1,780 µg/L.

SVOCs and PCBs were not detected at this location.

GW-MW2

Groundwater monitoring well MW2 is the second of three permanent wells installed in 2015 by GZA and is located on the west side of the former employee parking lot and in the vicinity of the former bus garage boiler room. VOCs detected above their respective water quality standard include benzene at 7.3 µg/L, isopropylbenzene at 121 µg/L, and total xylenes at 6.3 µg/L. Metals detected above their respective water quality standard include iron at 841 µg/L and magnesium at 132,000 µg/L.

SVOCs and PCBs were not detected at this location.

GW-MW3

Groundwater monitoring well MW3 is the third of three permanent wells installed in 2015 located on the west side of the former employee parking lot and in the vicinity of the former bus garage boiler room. VOCs detected above their respective water quality standard include benzene at 8.1 µg/L and isopropylbenzene at 28.5 µg/L. Metals detected above their respective water quality standard include iron at 6,730 µg/L and magnesium at 149,000 µg/L.

SVOCs and PCBs were not detected at this location.

Isopleth maps indicating groundwater VOC contamination across the Site is provided in Figure 22. This indicates two source areas for contamination; near Temp-GW001 and GW-103S/D within the building, and near MW-2 and MW-3 within the employee parking lot.

7.4.4 Vapor Intrusion

The analytical results for the vapor samples collected were evaluated based on the guidance outlined in the NYSDOH Center for Environmental Health *Guidance for Evaluating Soil Vapor Intrusion in the State of New York* dated October 2006.

The vapor intrusion sampling results are summarized in Table 12 and on Figure 24. A complete copy of the analytical laboratory report is included in Appendix A. The laboratory results for the samples

from the sub-slab and soil vapor points were compared to the May 2017 Soil Vapor/Indoor Air Decision Matrices that are appended to the NYSDOH October 2006 Guidance for Evaluating Soil Vapor Intrusion in the State of New York. More specifically, the results reported for the compounds PCE, TCE and DCE in the sub-slab samples and indoor air samples were compared to the Decision Matrices. It should be noted that only eight compounds are considered by the NYSDOH Decision Matrices and only those detected at this Site are discussed.

As noted in Table 12, the indoor ambient air samples SV-IAQ100 and SV-IAQ101 collected during the April 2018 sampling event were found to contain low concentrations of VOCs, including PCE at a concentration of 34.1 and 50.9 micrograms per cubic meter ($\mu\text{g}/\text{m}^3$), respectively, and TCE at a concentration of 1.1 $\mu\text{g}/\text{m}^3$ in SV-IAQ101. According to the ambient air guidelines for PCE and TCE, updated in September 2013 and August 2015, respectively, the indoor ambient air concentration of PCE exceeds the guidance value of 30 $\mu\text{g}/\text{m}^3$; however, TCE does not exceed the guidance value of 2 $\mu\text{g}/\text{m}^3$. The purpose of the guidance value is to determine the urgency required to complete reasonable and practical actions to reduce exposure. Immediate action is recommended for PCE concentrations exceeding 300 $\mu\text{g}/\text{m}^3$ and TCE concentrations exceeding 20 $\mu\text{g}/\text{m}^3$.

The indoor air samples were used to compare to the sub-slab and soil vapor results in the NYSDOH Soil Vapor/Indoor Air Decision Matrices. Outdoor ambient air sample SV-OA100 was found to contain low level concentrations of 2-propanol, acetone, and ethanol. The outdoor ambient air sample results serve as a basis of comparison for the indoor air results discussed below.

The results from the analysis of the sub-slab and indoor air quality sampling locations indicates the presence of a number of VOCs. Table 13 indicates the applicable parameter, the detected concentrations in the sub-slab vapor sample, the applicable indoor air quality sample for each vapor point (i.e. the closest indoor air sample to the sub-slab vapor sample), and the Decision Matrix outcome determined by the May 2017 Soil Vapor/Indoor Air Decision Matrices.

According to the NYSDOH Decision Matrices, the recommended action is to mitigate or minimize potential exposure to sub-slab vapor within the building. This is based on the concentration of PCE and TCE detected in the sub-slab vapor samples compared to the concentrations detected in the indoor air samples.

Contaminants included on the Soil Vapor/Indoor Air Decision Matrices were not detected in the soil vapor points (SVP-100 and SVP-101) placed in the two non-contiguous parking lots or the ambient

outdoor air sample (SV-OA100). According to the NYSDOH Decision Matrices, no further action is recommended to address exposure of soil vapor contaminants to humans in the parking lots.

7.5 INVESTIGATION DERIVED WASTE

Investigation Derived Waste (IDW) generated during the investigation included soil cuttings, well development and purge water, decontamination water, and other project-related waste. Each of these materials were placed into 55-gallon NYSDOT-approved drums and stored on-Site. Waste characterization samples were collected and analyzed by Pace. Analytical results are provided in Tables 14 and 15 for soil and groundwater waste characterization, respectively. Soil results were compared to 6NYCRR Part 371 Identification and Listing of Hazardous Wastes. Soil derived from the investigation activities on Site was determined to be non-hazardous. The analytical results will be provided to the waste hauler when the drums are removed from the Site as part of the ongoing remedial activities. Small items including gloves, sampling materials, and other minor project-related wastes were collected and disposed of as non-hazardous solid waste.

8.0 NATURE AND EXTENT OF CONTAMINATION

As a result of the RI, four primary AOCs have been identified and are shown on Figure 25. The four AOCs are: the former UST area, Site wide groundwater, office vapor, and warehouse vapor. A discussion of the nature and extent of contamination in the soil, groundwater, and sub-surface vapor is provided in the following sections.

8.1 AREAS OF CONCERN

Based upon the review and evaluation of the results, the four areas of concerned (AOCs) were identified. Each AOC is summarized in the following subsections.

8.1.1 Former UST Area

The former UST area is located in the northwestern portion of the building. Several subsurface soil samples, several groundwater samples, and soil vapor samples have been collected in this area.

Historical subsurface soil sampling identified the presence of chlorinated VOC contamination, namely PCE, DCE, and vinyl chloride, in samples SB-32 and SB-33, at concentrations exceeding their respective Part 375 Commercial SCO, which is consistent with the findings of this RI. During the RI, PCE was identified at concentrations exceeding its respective Part 375 Commercial SCO in sample SOIL-116 and lesser concentrations of TCE, DCE, and vinyl chloride in samples SOIL-116 and SOIL-119. PCE was detected in excess of the Part 375 Commercial SCO throughout this area. Metals (mercury and lead) and total PCBs exceeded the Part 375 Unrestricted SCO in this area but are less than the respective Part 375 Commercial SCOs.

Historical groundwater sampling identified the presence of chlorinated VOC contamination, including PCE, TCE, DCE, and vinyl chloride, in the wells directly adjacent to the Former UST Area. During the RI, well Temp-GW001 and the well cluster at GW-103 were located within and adjacent to the Former UST Area, respectively. Concentrations of PCE, TCE, DCE, and vinyl chloride, among others, were detected at concentrations exceeding their applicable TOGS 1.1.1 Class GA Ambient Water Quality Standards.

Isoconcentration maps indicating subsurface soil VOC and SVOC contamination across the Site are provided as Figures 17 and 18, respectively. The data show there is a source area for contamination near boring SOIL-116 beneath the building.

8.1.2 Site-Wide Groundwater

The groundwater samples collected as part of this RI confirmed the presence of VOCs and metals at concentrations exceeding their respective TOGS 1.1.1. Class GA Ambient Water Quality Standard within the northwestern portion of the building. Chlorinated VOCs in groundwater were primarily found in the location of the former dry-cleaning room (Former UST Area) and are consistent with the findings from historical Site investigations. The most current analytical results of PCE indicate a decrease from the historical high of 2,420,000 µg/L in sample SB-32. The prevalence of PCE has decreased since the historical investigation, but the concentrations of TCE, DCE, and vinyl chloride have increased. SVOCs were not detected in groundwater during the RI, apart from bis(2-Elthylhexyl)phthalate at a concentration exceeding the TOGS 1.1.1. Class GA Ambient Water Quality Standard in well Temp-GW001.

The groundwater samples collected as part of this RI confirmed the presence of VOCs, SVOCs and metals at concentrations exceeding their respective TOGS 1.1.1 Class GA Ambient Water Quality Standard beneath the building. An isoconcentration map, Figure 22, indicating total VOC concentrations in groundwater across the Site identifies depicts a potential source area for VOCs beneath the building and near well Temp-GW001 and the monitoring well cluster at GW-103.

According to the Site hydrogeology, groundwater generally flows from east to west. However, a localized flow path from the northwest corner of the building to the center of the building was identified and has a very shallow hydraulic gradient. This could potentially mean contamination identified in the location of samples SOIL-116/Temp-GW-001/GW-103S/D is not being transmitted off-site, but instead is creating a plume of contamination similar to that identified on the isoconcentration map presented in Figure 22.

The presence of a confining layer, consisting of silts and clays, beneath the urban fill at approximately 13 to 15 ft bgs and again present beneath a sand and gravel unit, at varying depths but approximately 26 to 30 ft bgs, has prevented the downward migration of contamination to the deeper sand and gravel units. This is confirmed by the cluster at GW-101 where the three wells were found to have slightly different groundwater elevations, with the deeper wells exhibiting a lower groundwater elevation. This confirmed the presence of an unconfined aquifer. The shallow monitoring well was found to have groundwater contamination exceeding TOGS 1.1.1 Class GA Ambient Water Quality Standard and the deeper wells (GW-101I and GW-101D) were found to have no appreciable contamination or at levels not exceeding TOGS 1.1.1. Class GA Ambient Water

Quality Standards. The silty clay layer was relatively uniform across the Site and has most likely prevented contamination from breaching the deeper confining layer at approximately 26 to 30 ft bgs.

The groundwater samples collected from the employee parking lot as part of this RI confirmed the presence of VOCs and metals. However, the concentrations exceeding the applicable water quality standards in the employee parking lot are petroleum compounds, notably benzene, isopropylbenzene, and xylene, rather than chlorinated VOCs identified beneath the Site building. Figure 22, an isoconcentration map indicating total VOC concentrations in groundwater across the Site indicates the area near well MW-2 has the highest concentration of VOCs in shallow groundwater. Additionally, the presence of constituents in well GW-105D indicates that deep groundwater may be impacted more than shallow groundwater. The direction of groundwater flow is generally from east to west across the employee parking lot and the well cluster at GW-105 represents the upgradient wells. Impacts present in well GW-105D may indicate VOC migration from an off-Site source.

An isoconcentration map indicating groundwater total VOC contamination across the Site is provided as Figure 22. The data shows a source area for contamination within the parking lot in the location of the former garage boiler room and near MW-2.

8.1.3 Office Vapor

The building expansion (circa 1980) on the southern portion of the property in the location of the former gasoline station has historically contained offices on the second and third floors. A concrete block wall with an overhead door and a wall cut-out separates the open space on the first floor from the warehouse in the older section of the building. One man-door separates the lobby entrance from the warehouse in the older section of the building.

Current and historical soil vapor intrusion sampling have identified that the presence of VOCs is impacting the indoor air quality in the office portion of the building. Ambient indoor air quality sampling identified PCE at a concentration of 34.1 $\mu\text{g}/\text{m}^3$, which exceeds the NYSDOH guidance value for indoor air. Although the concentration does not require immediate action, reasonable and practical actions to reduce exposure should be taken. Due to the unoccupied nature of the Site building, current exposure to soil vapor is minimized. Results from both investigations indicate the requirement to mitigate indoor air and sub-slab soil vapor, according to the NYSDOH Decision Matrices.

8.1.4 Warehouse Vapor

The warehouse, located within the older section of the building and encompassing the northwestern corner where the former UST area is located, is separated from the office by a concrete block wall with an overhead door, a wall cut-out, and a man-door.

Current and historical soil vapor intrusion sampling have identified that the presence of VOCs is impacting the indoor air quality in the warehouse portion of the building. Ambient indoor air quality sampling identified a PCE concentration of 50.9 $\mu\text{g}/\text{m}^3$, which exceeded the NYSDOH guidance value for indoor air. Concentrations of TCE were identified at 1.1 $\mu\text{g}/\text{m}^3$, which does not exceed the guidance value. Although the concentration of PCE does not require immediate action, reasonable and practical actions to reduce exposure should be taken. Due to the unoccupied nature of the Site building, current exposure to soil vapor is minimized. Results from both investigations indicate the requirement to mitigate sub-slab soil vapor, according to the NYSDOH Decision Matrices.

8.2 SITE-WIDE SOIL IMPACTS

As previously stated, the impact of VOC concentrations in subsurface soils is primarily located near the former UST area. The remainder of the building was found to be considerably less impacted by the historical use of the Site. VOCs were detected in subsurface soil at concentrations exceeding the Part 375 Unrestricted SCOs but less than the Part 375 Commercial SCO. Between the historical investigations and this RI, the number of VOCs which exceeded the Part 375 Unrestricted SCOs decreased. Compared to historical investigations, the number of SVOCs detected within subsurface soils decreased throughout building and SVOC concentrations exceeding the Part 375 Unrestricted SCOs were only identified in sample SOIL-115. Metals were detected in the subsurface; however, a single exceedance of the Part 375 Commercial SCO for barium occurred at SOIL-114 during the RI.

The RI did not identify SVOCs or metals in subsurface soils exceeding the respective Part 375 Commercial SCOs. VOCs were detected at concentrations exceeding the Part 375 Unrestricted SCOs but less than the Part 375 Commercial SCO, apart from the concentration of PCE at 460 mg/kg in sample SOIL-116 which exceeded the Part 375 Commercial SCO.

Isoconcentration maps indicating subsurface soil VOC and SVOC contamination across the Site are provided in Figures 17 and 18, respectively. The data shows a source area for contamination near sample SOIL-116, as previously discussed in Section 8.1.1., and near samples SOIL-102 and SOIL-104 within the employee parking lot.

8.3 POTENTIAL IMPACTS TO ENVIRONMENTAL RESOURCES

The Site is located within a commercial and industrial area in the City of Syracuse, and therefore, actual or potential adverse impacts to environmental resources likely exist. Onondaga Creek, a tributary to Onondaga Lake, is located approximately 0.2 miles from the Site, and is considered a Class C water body suitable for fish, shellfish and wildlife propagation and survival. Class C waters are suitable for primary and secondary recreation, but the urban environment and channelized stream precludes recreational use of Onondaga Creek in the City of Syracuse. The potential for contaminated groundwater to impact Onondaga Creek exists. Local groundwater is considered Class GA but is not used for human or animal consumption. Contamination from this Site is not anticipated to impact drinking water quality.

9.0 QUALITATIVE EXPOSURE ASSESSMENT

According to the soil, groundwater, and vapor intrusion data collected during this investigation, the following table summarizes the qualitative exposure assessment:

Environmental Media & Exposure Route	Human Exposure Assessment
Direct contact with surface soils	People may come in contact with VOC, SVOC, and metal contaminated surface soils if they conduct landscaping activities at the Site. However, the current data indicates that levels of all contaminants do not exceed the Part 375 Unrestricted SCOs in surface soil.
Direct contact with sub-surface soils	People may come into contact with VOC, SVOC, and metal contamination if they complete ground-intrusive activities at the Site. Sensitive populations may be workers at the Site during investigation and remediation activities and workers during future construction or redevelopment activities.
Ingestion of Groundwater	Groundwater wells are not used for drinking water and on-Site buildings utilize public water service. There is no potential for consumption of impacted groundwater. There are no known domestic water supply wells in the area.
Direct contact with groundwater	People may come into contact with VOC, SVOC and metal contaminated groundwater if they conduct subsurface intrusive work that extends to the saturated zone. Sensitive populations may be workers at the Site during investigation and remediation activities and workers during future construction activities
Inhalation of air	The Site is generally unoccupied with the exception of occasional Site visits by the Owner and their employees. Occupants of the warehouse area at the Site have the limited potential to be exposed to VOC contamination from the sub-slab soil vapor and indoor air. Sensitive populations may be future office and warehouse employees that occupy the building. Sampling indicated that mitigation of the sub-slab soil vapor is necessary in order to comply with the NYSDOH.

10.0 CONCLUSIONS/RECOMMENDATIONS

10.1 CONCLUSIONS

Based on the results of the investigation, CHA has concluded the following:

- The exposure to Site media is limited due to the Site being primarily covered with buildings and paved asphalt parking areas and the presence of municipal water and sewer at and in the vicinity of the Site.
- The presence of two silty clay layers (beneath the fill material and at a depth of approximately 26 to 30 ft bgs) which have a lower hydraulic conductivity, have acted as a confining layer to impede the migration of contamination into the more permeable sand and gravel layers at depth.
- Subsurface soils are impacted with VOCs exceeding the Part 375 Commercial SCOs in the approximate location of historical USTs near the northwest corner of the building.
- SVOCs were not detected at concentrations exceeding the Part 375 Commercial SCOs since 2014. These historical exceedances were located beneath the northeastern portion of building and the former employee parking area.
- Metals detected at concentrations exceeding the Part 375 Commercial SCO were located beneath the central portion of the building (barium, 2018) and the former employee parking lot area (arsenic, 2014).
- PCBs were detected at concentrations less than the Part 375 Commercial SCO beneath the central/northern portion of the building.
- VOCs, including PCE, were detected at concentrations exceeding the TOGS 1.1.1 Class GA Ambient Water Quality Standards in groundwater. The highest concentrations of VOCs were adjacent to or downgradient of where historical USTs containing dry cleaning solvents were found to be “closed in place” but lacking appropriate closure documentation.
- Breakdown “daughter” products of PCE, including TCE, DCE, and Vinyl Chloride, were detected in groundwater beneath the building at concentrations exceeding TOGS 1.1.1 Class GA Ambient Water Quality Standards.
- A plume of VOC groundwater contamination originates from the northwestern portion of the building and has spread laterally beneath the building.
- Metals, including aluminum, iron, magnesium, and manganese, were detected in groundwater at concentrations exceeding the TOGS 1.1.1 Class GA Ambient Water Quality Standards. These compounds are commonly identified in groundwater and are non-toxic.
- PFAs and 1,4- Dioxane were detected at select groundwater monitoring wells.
- Elevated concentrations of PCE and TCE were identified in all indoor vapor and sub-slab vapor points. As a result, the sub-slab vapor and indoor air quality in the Building has been

impacted by soil vapor intrusion. According to the NYSDOH Decision Matrices, mitigation is the recommended action.

- Soil vapor points were not found to have contaminants associated with the NYSDOH Decision Matrices. Therefore, the parking areas are not impacted by soil vapor intrusion.
- Identification of four primary AOCs: the former UST area, Site-wide groundwater, office vapor, and warehouse vapor.

10.2 RECOMMENDATIONS

Based on the results of this investigation, CHA recommends an evaluation of remedial alternatives to determine the best course of action to remediate the four AOCs identified in Section 8.1: the former UST area, Site-wide groundwater, office vapor, and warehouse vapor. Interim Remedial Measures (IRMs) will be developed, in accordance with DER-10 to address the identified source of VOC impacts within the former UST area. Source removal will likely consist of removing the UST that was reportedly “closed in place” but lacks appropriate closure documentation and contaminated soil above the groundwater table. Additionally, soil vapor intrusion will be mitigated in both the office and warehouse areas of the building. The openings within the concrete block wall separating the office from the warehouse will be sealed. Following NYSDEC approval and successful implementation of the IRMs, a Remedial Alternatives Report will be prepared, in accordance with DER-10 to evaluate the best course of action to address impacts to Site-wide groundwater.

REFERENCES

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TABLES

Table 1
Former Coyne Textile Facility
140 Cortland Avenue
Summary of Historical Soil Analytical Data (Detects Only)

	Part 375 Unrestricted Use SCOs	Part 375 Commercial Use SCOs	Units	Phase II											
				SB-1	SB-2	SB-4	SB-7	SB-8	SB-9	SB-10	TMW-1	TMW-2	TMW-3	TMW-4	
				10-12	12-14	14-16	0-2	0-4	8-10	9-11	10-12	6-8	6-8	9-11	
Volatile Organic Compounds															
1,1,2-Trichloroethane	NV	NV	µg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	1,100	1,000,000	µg/kg	ND	ND	248	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	3,600	380,000	µg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	8,400	380,000	µg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Butanone (MEK)	120	1,000,000	µg/kg	<i>204</i>	86.3	ND	ND	ND	ND	ND	ND	ND	ND	ND	62.5
Acetone	50	1,000,000	µg/kg	<i>1,030</i>	<i>371</i>	ND	ND	ND	ND	87.6	62.4	ND	ND	ND	305
Benzene	60	89,000	µg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbon Disulfide	NV	NV	µg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	250	1,000,000	µg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Cyclohexane	<i>NV</i>	<i>NV</i>	µg/kg	<i>ND</i>	<i>ND</i>	<i>ND</i>	<i>ND</i>	<i>ND</i>	<i>ND</i>	<i>ND</i>	<i>ND</i>	<i>ND</i>	<i>ND</i>	<i>ND</i>	<i>ND</i>
Ethyl Benzene	1,000	780,000	µg/kg	ND	15.1	620	ND	ND	ND	ND	ND	ND	ND	ND	ND
Isopropylbenzene	2,300	NV	µg/kg	ND	ND	<i>2,330</i>	ND	ND	ND	ND	ND	797	ND	ND	ND
m&p-Xylene	260	1,000,000	µg/kg	ND	47.2	<i>1,460</i>	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methylcyclohexane	NV	NV	µg/kg	ND	ND	1,760	ND	ND	ND	ND	ND	443	ND	ND	48
Naphthalene	12,000	1,000,000	µg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
n-Butylbenzene	12,000	1,000,000	µg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
n-Propylbenzene	3,900	1,000,000	µg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
p-Isopropyltoluene	NV	NV	µg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
sec-Butylbenzene	11,000	1,000,000	µg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
tert-Butylbenzene	5,900	1,000,000	µg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene (PCE)	1,300	300,000	µg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethene (TCE)	470	400,000	µg/kg	ND	ND	ND	ND	8.34	ND	ND	ND	ND	ND	ND	ND
Vinyl Chloride	20	27,000	µg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total VOCs	NV	NV	µg/kg	1,234	519.6	6,418	ND	8.3	ND	87.6	62.4	1,240	ND	ND	415.5

Notes:

Samples were collected by GZA geoEnvironmental of New York in 2014 & 2015

Analytical testing was completed by Paradigm Environmental Services in Rochester, NY

Italic values exceed 6NYCRR Part 375 Unrestricted Use SCOs

Bold values exceed 6NYCRR Part 375 Commercial Use SCOs

E - Result has been estimated, calibration limit exceeded.

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

ND - not detected above laboratory detection limits

NT - not tested

NV - no value

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Summary of Historical Soil Analytical Data (Detects Only)

	Part 375 Unrestricted Use SCOs	Part 375 Commercial Use SCOs	Units	Phase II											
				SB-1	SB-2	SB-4	SB-7	SB-8	SB-9	SB-10	TMW-1	TMW-2	TMW-3	TMW-4	
				10-12	12-14	14-16	0-2	0-4	8-10	9-11	10-12	6-8	6-8	9-11	
Semi-Volatile Organic Compounds															
1-Methylnaphthalene	NV	NV	µg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthene	20,000	500,000	µg/kg	ND	ND	ND	1,330	937M	ND	ND	ND	ND	ND	ND	ND
Acenaphthylene	100,000	500,000	µg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Anthracene	100,000	500,000	µg/kg	ND	ND	ND	3,110	2,240	ND	ND	ND	ND	ND	ND	ND
Benzo[a]anthracene	1,000	5,600	µg/kg	ND	376	ND	5,510	4,330	ND	ND	ND	ND	ND	ND	ND
Benzo[a]pyrene	100	1,000	µg/kg	ND	ND	ND	4,490	3,760	ND	ND	ND	ND	ND	ND	ND
Benzo[b]fluoranthene	1,000	5,600	µg/kg	ND	ND	ND	4,540	3,640	ND	ND	ND	ND	ND	ND	ND
Benzo[g,h,i]perylene	100,000	500,000	µg/kg	ND	ND	ND	2,470	2,300	ND	ND	ND	ND	ND	ND	ND
Benzo[k]fluoranthene	800	56,000	µg/kg	ND	ND	ND	3,310	2,790	ND	ND	ND	ND	ND	ND	ND
bis(2-Ethylhexyl)Phthalate	NV	NV	µg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbazole	NV	NV	µg/kg	ND	ND	ND	1,640	690	ND	ND	ND	ND	ND	ND	ND
Chrysene	1,000	56,000	µg/kg	ND	ND	ND	5,080	4,080	ND	ND	ND	ND	ND	ND	ND
Dibenz(a,h)anthracene	330	560	µg/kg	ND	ND	ND	882	746	ND	ND	ND	ND	ND	ND	ND
Dibenzofuran	NV	NV	µg/kg	ND	ND	ND	1,120	653	ND	ND	ND	ND	ND	ND	ND
Fluoranthene	100,000	500,000	µg/kg	ND	827	ND	11,500	9,460	ND	ND	ND	ND	769	ND	ND
Fluorene	30,000	500,000	µg/kg	ND	ND	ND	1,450	944	ND	ND	ND	ND	ND	ND	ND
Indeno[1,2,3-cd]pyrene	500	5,600	µg/kg	ND	ND	ND	3,210	2,860	ND	ND	ND	ND	ND	ND	ND
Isophorone	NV	NV	µg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Naphthalene	12,000	500,000	µg/kg	ND	ND	2,870	1,210	ND	ND	ND	ND	ND	ND	ND	ND
Phenanthrene	100,000	500,000	µg/kg	ND	1,030	ND	11,400	8,140	ND	ND	ND	ND	561	ND	ND
Pyrene	100,000	500,000	µg/kg	ND	664	ND	8,770	7,260	ND	ND	ND	ND	624	ND	ND
Total SVOCs	NV	NV	µg/kg	ND	2,897	2,870	71,022	54,830	ND	ND	ND	ND	1,954	ND	ND

Notes:

Samples were collected by GZA geoEnvironmental of New York in 2014 & 2015

Analytical testing was completed by Paradigm Environmental Services in Rochester, NY

Italic values exceed 6NYCRR Part 375 Unrestricted Use SCOs

Bold values exceed 6NYCRR Part 375 Commercial Use SCOs

E - Result has been estimated, calibration limit exceeded.

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

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NV - no value

Table 1
Former Coyne Textile Facility
140 Cortland Avenue
Summary of Historical Soil Analytical Data (Detects Only)

	Part 375 Unrestricted Use SCOs	Part 375 Commercial Use SCOs	Units	Phase II										
				SB-1	SB-2	SB-4	SB-7	SB-8	SB-9	SB-10	TMW-1	TMW-2	TMW-3	TMW-4
				10-12	12-14	14-16	0-2	0-4	8-10	9-11	10-12	6-8	6-8	9-11
Metals														
Arsenic	13	16	mg/kg	ND	6.48	9.51	6.7	7.19	13.4	4.99	29.2	5.98	6.94	247
Barium	350	10,000	mg/kg	52.9	41.5	62.6	141	110	50.7	47	29.5	51.5	107	151
Cadmium	2.5	60	mg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chromium	30	6,800	mg/kg	14.4	4.38	7.03	18.6	15.7	14.8	13.3	10.2	12.9	14.3	9.58
Copper	50	10,000	mg/kg	21.2	4.47	NT	NT	58.5	23.7	16.8	16.3	36.6	18.8	NT
Lead	63	3,900	mg/kg	9.61	1.58	2.98	<i>304</i>	<i>98</i>	<i>70.7</i>	8.59	4.9	187	14.1	5.7
Selenium	3.9	6,800	mg/kg	2	8.27	2.29	ND	ND	1.28	ND	3.86	ND	ND	ND
Silver	36	6,800	mg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Mercury	0.18	5.7	mg/kg	0.0487	ND	ND	<i>0.437</i>	0.0805	ND	0.0903	ND	1.09	<i>0.414</i>	0.0579

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Table 1
Former Coyne Textile Facility
140 Cortland Avenue
Summary of Historical Soil Analytical Data (Detects Only)

	Part 375 Unrestricted Use SCOs	Part 375 Commercial Use SCOs	Units	Phase III												
				SB-21	SB-23	SB-24	SB-25	SB-26	SB-27	SB-28	SB-30	SB-31	SB-32	SB-32	SB-33	
				4-8	6-8	6-8	6-8	12-16	16-18	16-18	14-16	14-16	4-8	8-12	12-16	
Volatile Organic Compounds																
1,1,2-Trichloroethane	NV	NV	µg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	1,100	1,000,000	µg/kg	ND	ND	ND	ND	169	ND	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	3,600	380,000	µg/kg	ND	1,270	ND	64.8	108	319	ND	ND	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	8,400	380,000	µg/kg	ND	178	ND	29.2	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Butanone (MEK)	120	1,000,000	µg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acetone	50	1,000,000	µg/kg	ND	976	ND	229	ND	ND	793	76.9	83.2	ND	ND	ND	60.6
Benzene	60	89,000	µg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbon Disulfide	NV	NV	µg/kg	ND	ND	ND	ND	ND	ND	ND	20.8	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	250	1,000,000	µg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1,660,000	ND
Cyclohexane	<i>NV</i>	<i>NV</i>	µg/kg	<i>ND</i>	<i>ND</i>	<i>ND</i>	<i>ND</i>	329	<i>ND</i>	<i>ND</i>	<i>ND</i>	<i>ND</i>	<i>ND</i>	<i>ND</i>	<i>ND</i>	<i>ND</i>
Ethyl Benzene	1,000	780,000	µg/kg	ND	88.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Isopropylbenzene	2,300	NV	µg/kg	7,880	5,670	ND	64.6	1,020	2,440	649	ND	ND	ND	ND	ND	ND
m&p-Xylene	260	1,000,000	µg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methylcyclohexane	NV	NV	µg/kg	21,900	466	ND	ND	1,200	583	ND	ND	ND	ND	ND	ND	ND
Naphthalene	12,000	1,000,000	µg/kg	ND	ND	ND	ND	5,320	2,460	321	ND	ND	ND	ND	ND	ND
n-Butylbenzene	12,000	1,000,000	µg/kg	19,700	2,140	ND	36	1,820	2,530	1,060	ND	ND	ND	ND	ND	ND
n-Propylbenzene	3,900	1,000,000	µg/kg	19,900	10,400 E	ND	56.2	2,310	4,680	1,450	ND	ND	ND	ND	ND	ND
p-Isopropyltoluene	NV	NV	µg/kg	ND	ND	ND	ND	ND	180	ND	ND	ND	ND	ND	ND	ND
sec-Butylbenzene	11,000	1,000,000	µg/kg	14,400	4,980	138	282	1,440	3,050	1,220	ND	ND	ND	ND	ND	ND
tert-Butylbenzene	5,900	1,000,000	µg/kg	2,940	926	113	144	113	212	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene (PCE)	1,300	300,000	µg/kg	ND	ND	66.9	40.4	197	ND	166	44	123	7,150,000	74,200	73	
Trichloroethene (TCE)	470	400,000	µg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl Chloride	20	27,000	µg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	59,800	ND	
Total VOCs	NV	NV	µg/kg	86,720	27,095	318	946	14,026	16,454	5,659	142	206	7,150,000	1,794,000	134	

Notes:

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Table 1
Former Coyne Textile Facility
140 Cortland Avenue
Summary of Historical Soil Analytical Data (Detects Only)

	Part 375 Unrestricted Use SCOs	Part 375 Commercial Use SCOs	Units	Phase III												
				SB-21	SB-23	SB-24	SB-25	SB-26	SB-27	SB-28	SB-30	SB-31	SB-32	SB-32	SB-33	
				4-8	6-8	6-8	6-8	12-16	16-18	16-18	14-16	14-16	4-8	8-12	12-16	
Semi-Volatile Organic Compounds																
1-Methylnaphthalene	NV	NV	µg/kg	12,100	1,600	ND	ND	1,660	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthene	20,000	500,000	µg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthylene	100,000	500,000	µg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Anthracene	100,000	500,000	µg/kg	ND	ND	ND	518	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo[a]anthracene	1,000	5,600	µg/kg	ND	ND	ND	1,220	ND	ND	ND	ND	ND	ND	370	566	ND
Benzo[a]pyrene	100	1,000	µg/kg	ND	ND	ND	1,180	ND	ND	ND	ND	ND	ND	397	588	ND
Benzo[b]fluoranthene	1,000	5,600	µg/kg	ND	ND	ND	1,230	ND	ND	ND	ND	ND	ND	649	622	ND
Benzo[g,h,i]perylene	100,000	500,000	µg/kg	ND	ND	ND	650	ND	ND	ND	ND	ND	ND	496	ND	ND
Benzo[k]fluoranthene	800	56,000	µg/kg	ND	ND	ND	688	ND	ND	ND	ND	ND	ND	ND	ND	ND
bis(2-Ethylhexyl)Phthalate	NV	NV	µg/kg	ND	ND	522	1,400	ND	ND	ND	ND	ND	ND	526	ND	ND
Carbazole	NV	NV	µg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chrysene	1,000	56,000	µg/kg	828	419	ND	1,130	ND	ND	ND	ND	ND	ND	ND	571	ND
Dibenz(a,h)anthracene	330	560	µg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibenzofuran	NV	NV	µg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Fluoranthene	100,000	500,000	µg/kg	1,670	656	731	2,470	ND	ND	ND	ND	ND	ND	547	1080	ND
Fluorene	30,000	500,000	µg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Indeno[1,2,3-cd]pyrene	500	5,600	µg/kg	ND	ND	ND	928	ND	ND	ND	ND	ND	ND	545	540	ND
Isophorone	NV	NV	µg/kg	955	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Naphthalene	12,000	500,000	µg/kg	ND	ND	ND	ND	401	1,130	ND	ND	ND	ND	ND	ND	ND
Phenanthrene	100,000	500,000	µg/kg	1,630	595	ND	1,690	686	ND	ND	ND	ND	ND	ND	554	ND
Pyrene	100,000	500,000	µg/kg	1,780	758	610	2,100 M	ND	ND	ND	ND	ND	ND	486	872	ND
Total SVOCs	NV	NV	µg/kg	18,963	4,028	1,863	15,204	2,747	1,130	ND	ND	ND	ND	ND	ND	ND

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Former Coyne Textile Facility
140 Cortland Avenue
Summary of Historical Soil Analytical Data (Detects Only)

	Part 375 Unrestricted Use SCOs	Part 375 Commercial Use SCOs	Units	Phase III				
				MW-1	MW-2	MW-2	M-3	MW-3 (Coal)
				4-8	4-8	16-20	6-8	5-5.5
Volatile Organic Compounds								
1,1,2-Trichloroethane	NV	NV	µg/kg	ND	ND	125.0	ND	ND
1,2-Dichlorobenzene	1,100	1,000,000	µg/kg	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	3,600	380,000	µg/kg	ND	29,500 E	559.0	38,300 E	4,420
1,3,5-Trimethylbenzene	8,400	380,000	µg/kg	ND	ND	ND	20,200 E	1,460
2-Butanone (MEK)	120	1,000,000	µg/kg	ND	ND	ND	ND	ND
Acetone	50	1,000,000	µg/kg	86.7	922	114	ND	ND
Benzene	60	89,000	µg/kg	ND	ND	47.5	ND	ND
Carbon Disulfide	NV	NV	µg/kg	ND	ND	61.6	ND	ND
cis-1,2-Dichloroethene	250	1,000,000	µg/kg	ND	ND	ND	ND	ND
Cyclohexane	NV	NV	µg/kg	ND	1,180	155	ND	ND
Ethyl Benzene	1,000	780,000	µg/kg	ND	ND	ND	398	ND
Isopropylbenzene	2,300	NV	µg/kg	ND	7,170	280	4,070	3,110
m&p-Xylene	260	1,000,000	µg/kg	ND	ND	20.9	308	ND
Methylcyclohexane	NV	NV	µg/kg	ND	6,450	278	522	421
Naphthalene	12,000	1,000,000	µg/kg	ND	ND	ND	400	ND
n-Butylbenzene	12,000	1,000,000	µg/kg	ND	8,130	70.1	5,630	2,610
n-Propylbenzene	3,900	1,000,000	µg/kg	ND	19,600 E	391	12,200 E	6,470
p-Isopropyltoluene	NV	NV	µg/kg	ND	1,250	22.8	2,030	ND
sec-Butylbenzene	11,000	1,000,000	µg/kg	ND	7,410	87.6	6,210	6,350
tert-Butylbenzene	5,900	1,000,000	µg/kg	ND	1,120	34.3	858	974
Tetrachloroethene (PCE)	1,300	300,000	µg/kg	ND	ND	ND	ND	ND
Trichloroethene (TCE)	470	400,000	µg/kg	ND	ND	ND	ND	ND
Vinyl Chloride	20	27,000	µg/kg	ND	ND	ND	ND	ND
Total VOCs	NV	NV	µg/kg	87	82,732	2,122	91,126	74,915

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Former Coyne Textile Facility
140 Cortland Avenue
Summary of Historical Soil Analytical Data (Detects Only)

	Part 375 Unrestricted Use SCOs	Part 375 Commercial Use SCOs	Units	Phase III				
				MW-1	MW-2	MW-2	M-3	MW-3 (Coal)
				4-8	4-8	16-20	6-8	5-5.5
Semi-Volatile Organic Compounds								
1-Methylnaphthalene	NV	NV	µg/kg	ND	ND	ND	2,110	1,170
Acenaphthene	20,000	500,000	µg/kg	ND	ND	ND	ND	ND
Acenaphthylene	100,000	500,000	µg/kg	ND	ND	ND	ND	ND
Anthracene	100,000	500,000	µg/kg	ND	ND	ND	2,190	ND
Benzo[a]anthracene	1,000	5,600	µg/kg	ND	ND	ND	3,790	ND
Benzo[a]pyrene	100	1,000	µg/kg	ND	ND	ND	3,230	ND
Benzo[b]fluoranthene	1,000	5,600	µg/kg	ND	ND	ND	3,070	ND
Benzo[g,h,i]perylene	100,000	500,000	µg/kg	ND	ND	ND	ND	ND
Benzo[k]fluoranthene	800	56,000	µg/kg	ND	ND	ND	2,110	ND
bis(2-Ethylhexyl)Phthalate	NV	NV	µg/kg	ND	ND	ND	ND	ND
Carbazole	NV	NV	µg/kg	ND	ND	ND	ND	ND
Chrysene	1,000	56,000	µg/kg	ND	ND	ND	3,370	460
Dibenz(a,h)anthracene	330	560	µg/kg	ND	ND	ND	ND	ND
Dibenzofuran	NV	NV	µg/kg	ND	ND	ND	ND	ND
Fluoranthene	100,000	500,000	µg/kg	382	564	ND	8,680	739
Fluorene	30,000	500,000	µg/kg	ND	ND	ND	ND	ND
Indeno[1,2,3-cd]pyrene	500	5,600	µg/kg	ND	ND	ND	2,400	ND
Isophorone	NV	NV	µg/kg	ND	ND	ND	ND	ND
Naphthalene	12,000	500,000	µg/kg	ND	ND	ND	ND	346
Phenanthrene	100,000	500,000	µg/kg	ND	929	ND	7,660	1,020
Pyrene	100,000	500,000	µg/kg	ND	545	ND	6,810	690
Total SVOCs	NV	NV	µg/kg	382	2,038	ND	45,420	4,425

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Table 2
 Former Coyne Textile Facility
 140 Cortland Avenue
 Summary of Historical Soil Vapor Intrusion Air Analytical Data (Detected Compounds Only)

	Location 1		Location 2		Location 3		Location 4		Location 5		Location 6		Location 7		Location 8		Location 9		Location 10		Outdoor Air			
	Sub-slab	Indoor Air	Sub-slab	Indoor Air	Sub-slab	Indoor Air	Sub-slab	Indoor Air	Sub-slab	Indoor Air	Sub-slab	Indoor Air	Sub-slab	Indoor Air	Sub-slab	Indoor Air	Sub-slab	Indoor Air	Sub-slab	Indoor Air				
1,1,1-Trichloroethane	14	J	ND	ND	0.93	ND	32	ND	ND	ND	1.4	ND	5.3	ND	10	ND	47	ND	ND	ND	ND			
1,1-Dichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	63	ND	ND	ND	ND			
1,2,4-Trimethylbenzene	14	77	12	26	13	64	13	J	220	12	99	23	600	34	4,600	16	610	14	5,600	9.3	280	5.2		
1,2-Dichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	0.49	J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND			
1,3,5-trimethylbenzene	5.6	32	5.1	15	5.3	29	7.4	62	6.4	46	16	310	18	2,100	9.2	270	5.9	J	3,800	5.8	120	2.2		
1,4-Dioxane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	4	J	ND	ND	ND	ND		
2,2,4-trimethylpentane	2.6	ND	3.6	0.56	2.1	ND	2.3	ND	3.5	ND	2.4	ND	4.6	ND	2.1	ND	ND	ND	1.4	0.61	J	ND		
4-ethyltoluene	5.4	34	5.1	18	J	5.2	32	7.7	76	5.7	55	15	340	21	1,800	9	320	5.9	J	3,100	5.3	140	2.2	
Acetone	770	110	3,700	62	150	110	150	270	170	110	2,500	3,500	260	4,800	150	760	2,600	4,900	170	110	40			
Benzene	2.1	ND	ND	0.99	2.7	ND	ND	ND	1.1	ND	ND	ND	ND	1.9	ND	ND	ND	ND	ND	ND	0.54			
Bromodichloromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.2	ND	ND	ND	2.9	ND	ND	ND	ND			
Carbon Disulfide	3.4	2.6	ND	1.3	ND	1.4	1.1	1.7	ND	1.7	2.3	0.56	ND	ND	0.37	J	6.5	0.72	1.7	ND	0.37	J		
Carbon tetrachloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	3	ND	3	ND	0.75		
Chloroform	1.7	1.2	0.93	0.59	4.1	1.3	40	1.4	1.1	1.5	14	J	7.1	16	67	14	10	88	150	1.6	4.4	ND		
Chloromethane	1	1.1	1.6	1.2	J	0.7	1.1	1.1	ND	0.97	0.97	1	ND	ND	0.7	0.72	ND	0.7	ND	0.74	1			
cis-1,2-Dichloroethene	0.71	ND	0.75	ND	0.87	ND	0.75	ND	0.83	ND	0.79	ND	75	ND	8.4	ND	110	2	0.67	ND	ND			
Cyclohexane	15	ND	17	ND	20	ND	14	ND	4.2	ND	25	ND	6.1	ND	29	ND	46	ND	28	ND	ND			
Ethyl acetate	1.8	6.6	1.7	2.2	1.4	3	1.6	2.8	1.8	2.8	7.1	6.8	5	32	J	1.8	ND	ND	32	J	1.6	0.83	J	
Ethylbenzene	8.2	8.7	5.6	6.3	6.1	8.7	7.6	13	6.5	13	19	140	26	380	7.2	78	6.9	770	4.6	19	0.65			
Freon 11	1.8	2.3	J	1.5	2.1	1.6	2	J	1.6	2	1.3	1.9	1.3	1.6	1.5	1.4	1.5	1.2	ND	1.2	1.1	1.1	1.8	
Freon 12	1,100	6.5	12,000	8.5	46	4.3	4.5	4	3.4	3.4	2.6	2.9	2.4	2.4	2.2	2.1	ND	2.2	2.1	2	4.5			
Freon 113	ND	0.92	ND	0.92	ND	0.92	ND	0.92	J	ND	0.84	J	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.84	J	
Heptane	16	5.7	J	12	4.4	J	13	7.2	J	ND	8.3	36	110	23	180	17	33	54	240	11	8.8	0.98		
Hexane	88	ND	78	ND	110	ND	55	ND	19	ND	140	ND	ND	ND	130	ND	130	ND	220	ND	1			
Isopropyl alcohol	ND	38	ND	23	ND	37	ND	49	ND	49	540	1,300	51	1,700	ND	290	41	1,600	ND	42	2.9			
m&p-Xylene	16	31	17	J	23	14	J	38	20	J	56	19	61	310	86	1,100	21	240	21	2,000	17	86	2.4	
Methyl Ethyl Ketone	ND	J	58	ND	36	ND	24	ND	19	ND	23	100	110	59	560	ND	66	J	ND	540	ND	17	J	
Methyl Isobutyl Ketone	5.4	2.5	ND	2	13	3.6	12	9.4	J	3.6	7.3	9	39	5	310	12	74	38	J	700	J	6.6	20	J
Methyl tert-butyl ether	ND	ND	1.1	ND	1.3	ND	ND	ND	1.6	ND	ND	ND	ND	ND	1.2	ND	ND	ND	ND	ND	ND			
Methylene chloride	49	2.3	77	2.2	42	1.5	55	2.5	90	2	53	2.5	91	2.7	55	1.9	32	2.4	71	1.3	2.1			
o-Xylene	8.9	12	7.7	9.4	8.7	14	9.8	24	9.6	22	23	120	32	740	9.6	100	8.2	1,300	7.6	40	1			
Styrene	9.5	ND	J	8.8	ND	10	ND	9.5	ND	8.5	ND	13	ND	11	ND	7.7	ND	9.4	ND	5.1	ND	ND		
Tetrachloroethylene	3.1	20	ND	14	14	J	20	16	J	28	ND	25	37	290	37	500	370	120	49,000	900	8.6	16	ND	
Tetrahydrofuran	ND	3.8	ND	ND	ND	ND	ND	ND	13	ND	ND	ND	48	ND	ND	ND	ND	ND	ND	ND	ND			
Toluene	13	35	15	26	14	26	17	40	18	39	63	190	340	760	30	170	44	1,700	22	81	3.7			
trans-1,2-Dichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	22	ND	ND	ND	95	ND	ND	ND	ND			
Trichloroethene	3.6	0.7	3.3	ND	23	0.59	10	0.48	4.1	0.54	4.7	6.1	13	5.2	100	1.4	5,900	4.9	3.5	4.4	ND			
Vinyl chloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	46	ND	ND	ND	ND	ND		

Notes:

Samples were collected by GZA geoEnvironmental of New York in 2014 & 2015

Analytical testing was completed by Centek Laboratory in Syracuse, NY

Compounds are subject to NYSDOH decision matrices

Results are displayed in µg/m³

- TPA - Take reasonable and practical actions to identify sources and reduce exposure (May 2017 Decision Matrices - Identify Sources and Resample or Mitigate)
- Monitor
- Mitigate

Table 3
Former Coyne Textile Facility
140 Cortland Avenue
Summary of Historical Groundwater Analytical Data (Detected Compounds Only)

	NYSDEC Class GA Criteria	Units	Phase II		Phase III					
			TMW-2	TMW-4	SB-24	SB-30	SB-32 Shallow	SB-32 Deep	MW-2	M-3
Volatile Organic Compounds										
Benzene	1	µg/L	ND	ND	ND	37.7	ND	ND	ND	2.27
cis-1,2-Dichloroethene	5	µg/L	ND	ND	76.5	ND	ND	114,000	ND	ND
Trichloroethene	5	µg/L	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene	5	µg/L	ND	ND	17.9	3.17	264,000	2,420,000	ND	ND
Vinyl Chloride	2	µg/L	ND	ND	360	ND	ND	ND	ND	ND
Isopropylbenzene	5	µg/L	95	ND	ND	ND	ND	ND	105	18.6
n-Butylbenzene	5	µg/L	ND	ND	13.9	ND	ND	ND	52	2.5
n-Propylbenzene	5	µg/L	ND	ND	ND	ND	ND	ND	286	31.4
sec-Butylbenzene	5	µg/L	ND	ND	29.7	ND	ND	ND	80.2	11
tert-Butylbenzene	5	µg/L	ND	ND	22.5	ND	ND	ND	ND	ND
p-Isopropyltoluene	5	µg/L	ND	ND	36.5	ND	ND	ND	ND	ND
Methylcyclohexane	NV	µg/L	276	ND	ND	ND	ND	ND	35.2	ND
1,2,4-Trimethylbenzene	5	µg/L	ND	ND	ND	ND	ND	ND	1,050	10.1
Semi-Volatile Organic Compounds										
bis(2-ethylhexyle)phthalate	5	µg/L	ND	ND	16.4	ND	NT	37.1	ND	13.1
Fluoranthene	50	µg/L	ND	ND	ND	ND	NT	ND	ND	ND
Pyrene	50	µg/L	ND	ND	ND	ND	NT	ND	ND	ND
Dissolved Metals										
Barium	1	µg/L	0.193	0.279	NT	NT	NT	NT	NT	NT

Notes:

Samples were collected by GZA geoEnvironmental of New York in 2014 & 2015

Analytical testing was completed by Paradigm Environmental Services in Rochester, NY

Bold values exceed NYSDEC Class GA Criteria/TOGS 1.1.1

ND - not detected above laboratory detection limits

NT - not tested

Table 4
Former Coyne Textile Facility
140 Cortland Avenue
Sampling Rationale from the RIWP

Sample ID	Matrix	Sample Depth(s)	Sample Location	Analytical Parameters	Rationale
SOIL-100	Sub-Surface Soil	Interval which indicates the highest potential for the presence of contamination	Tax Parcel 094.-20-02.0	TCL VOCs, TCL SVOCs, TAL Metals, PCBs, TCL Pesticides	To investigate the potential for contamination on this parcel, where limited investigation has been completed previously.
SOIL-101-SOIL-105	Sub-Surface Soil	Interval which indicates the highest potential for the presence of contamination	Tax Parcel 094.-20-02.0	TCL VOCs, TCL SVOCs, TAL Metals, PCBs	To investigate the potential for contamination on this parcel, where limited investigation has been completed previously.
SOIL-106	Sub-Surface Soil	Interval which indicates the highest potential for the presence of contamination	Tax Parcel 094.-20-02.0	TCL VOCs, TCL SVOCs, TAL Metals, PCBs, TCL Pesticides	To investigate the potential for contamination on this parcel, where limited investigation has been completed previously.
SOIL-107	Sub-Surface Soil	Interval which indicates the highest potential for the presence of contamination	Tax Parcel 094.-20-01.0	TCL VOCs, TCL SVOCs, TAL Metals, PCBs	To investigate the potential for contamination on this parcel, where limited investigation has been completed previously.
SOIL-108-SOIL-109	Sub-Surface Soil	Interval which indicates the highest potential for the presence of contamination	Southern portion of Tax Parcel 094.-05-06.0	TCL VOCs, TCL SVOCs, TAL Metals, PCBs	To investigate the potential for contamination near the location of the rear loading dock.
SOIL-110	Sub-Surface Soil	Interval which indicates the highest potential for the presence of contamination	Southern portion of Tax Parcel 094.-05-06.0	TCL VOCs, TCL SVOCs, TAL Metals, PCBs	To investigate the potential for contamination near the location of former mat repair area.
SOIL-111	Sub-Surface Soil	Interval which indicates the highest potential for the presence of contamination	Southern portion of Tax Parcel 094.-05-06.0	TCL VOCs, TCL SVOCs, TAL Metals, PCBs	To investigate the potential for contamination near the location of the former laundry chemical storage.

Table 4
Former Coyne Textile Facility
140 Cortland Avenue
Sampling Rationale from the RIWP

Sample ID	Matrix	Sample Depth(s)	Sample Location	Analytical Parameters	Rationale
SOIL-112	Sub-Surface Soil	Interval which indicates the highest potential for the presence of contamination	Southern portion of Tax Parcel 094.-05-06.0	TCL VOCs, TCL SVOCs, TAL Metals, PCBs, TCL Pesticides	To investigate the potential for contamination near the location of the former repair garage.
SOIL-113 SOIL-114	Sub-Surface Soil	Interval which indicates the highest potential for the presence of contamination	Central portion of Tax Parcel 094.-05-06.0	TCL VOCs, TCL SVOCs, TAL Metals, PCBs	To investigate the potential for contamination near the location of the former folding/product storage area.
SOIL-115- SOIL-121	Sub-Surface Soil	Interval which indicates the highest potential for the presence of contamination	Central portion of Tax Parcel 094.-05-06.0	TCL VOCs, TCL SVOCs, TAL Metals, PCBs	To investigate the potential for contamination near the location of the former dry cleaning units, wash chemical storage, boiler room, and former UST. Historical reports also indicate elevated PID readings in this area.
SOIL-122	Sub-Surface Soil	Interval which indicates the highest potential for the presence of contamination	Northern portion of Site Tax Parcel 094.-05-06.0	TCL VOCs, TCL SVOCs, TAL Metals, PCBs	To investigate the potential for contamination near the location of the former waste water holding tanks and sludge waste holding tanks.
SOIL-123	Sub-Surface Soil	Interval which indicates the highest potential for the presence of contamination	Northern portion of Site Tax Parcel 094.-05-06.0	TCL VOCs, TCL SVOCs, TAL Metals, PCBs, TCL Pesticides	To investigate the potential for contamination near the location of the former waste water holding tanks and sludge waste holding tanks.
SOIL-SS100	Surface Soil	Top 0-2-inches below vegetative cover	Center of Tax Parcel 094.-20-01.0	TCL VOCs, TCL SVOCs, TAL Metals, PCBs, TCL Pesticides	To investigate the potential for contamination within the greenspace areas present on Site.
SV-IA100	Sub-slab Soil Vapor	2 inches below concrete slab	Southern portion of Tax Parcel 094.-05-06.0	VOCs (TO-15)	To investigate the potential for sub-slab vapor near the former laundry chemical storage.

Table 4
Former Coyne Textile Facility
140 Cortland Avenue
Sampling Rationale from the RIWP

Sample ID	Matrix	Sample Depth(s)	Sample Location	Analytical Parameters	Rationale
SV-IA101	Sub-slab Soil Vapor	2 inches below concrete slab	Central portion of Tax Parcel 094.-05-06.0	VOCs (TO-15)	To investigate the potential for sub-slab vapor near the former machine shop.
SV-IA102	Sub-slab Soil Vapor	2 inches below concrete slab	Central Portion of Tax Parcel 094.-05-06.0	VOCs (TO-15)	To investigate the potential for sub-slab vapor near the former folding and product storage area.
SV-IA103-SV-IA105	Sub-slab Soil Vapor	2 inches below concrete slab	Central Portion of Tax Parcel 094.-05-06.0	VOCs (TO-15)	To investigate the potential for sub-slab vapor near the former dry cleaning units, wash chemical storage, boiler room, and former UST. Historical reports also indicate elevated PID readings in this area.
SV-IAQ100-SV-IAQ101	Indoor Air Quality	N/A	Interior of the building	VOCs (TO-15)	To investigate the ambient indoor air concentrations inside the building
SV-OA100	Ambient Air	N/A	Central portion of Tax Parcel 094.-05-06.0	VOCs (TO-15)	To provide a comparison of the outdoor and sub-slab air quality.
SVP-100	Subsurface Soil Vapor	2-inches below asphalt	Center of Tax Parcel 094.-20-02.0	VOCs (TO-15)	To provide data for areas that may be developed in the future.
SVP-101	Subsurface Soil Vapor	2-inches below asphalt	Northern portion of Tax Parcel 094.-05-06.0	VOCs (TO-15)	To provide data for areas that may be developed in the future.

Table 4
Former Coyne Textile Facility
140 Cortland Avenue
Sampling Rationale from the RIWP

Sample ID	Matrix	Sample Depth(s)	Sample Location	Analytical Parameters	Rationale
GW-100	Groundwater	N/A	Southern portion of Tax Parcel 094.-05-06.0	TCL VOCs, TCL SVOCs, TAL Metals, PCBs	To investigate the potential groundwater contamination of the shallow groundwater zone near the former repair garage.
GW-101S GW-101I GW-101D	Groundwater	N/A	Southern portion of Tax Parcel 094.-05-06.0	TCL VOCs, TCL SVOCs, TAL Metals, PCBs	This cluster will screen shallow, intermediate, and deep groundwater zones for the potential groundwater contamination near the former mat and rear loading dock.
GW-102	Groundwater	N/A	Central portion of Tax Parcel 094.-05-06.0	TCL VOCs, TCL SVOCs, TAL Metals, PCBs	To investigate the potential groundwater contamination of the shallow groundwater zone near the folding/product storage area.
GW-103S GW-103I GW-103D ¹	Groundwater	N/A	Central portion of Tax Parcel 094.-05-06.0	TCL VOCs, TCL SVOCs, TAL Metals, PCBs, PFAS, ¹ 1,4-Dioxane ¹ (¹ 103D only)	This cluster will screen shallow, intermediate, and deep groundwater zones for the potential groundwater contamination near the former dry cleaning units, wash chemical storage, boiler room, and former UST.
GW-104	Groundwater	N/A	Northern portion of Tax Parcel 094.-05-06.0	TCL VOCs, TCL SVOCs, TAL Metals, PCBs, TCL Pesticides PFAS, 1,4-Dioxane	To investigate the potential groundwater contamination of the shallow groundwater zone near the loading docks and former waste water holding tanks.
GW-105S ² GW-105I GW-105D ¹	Groundwater	N/A	Tax Parcel 094.-20-01.0	TCL VOCs, TCL SVOCs, TAL Metals, PCBs, TCL Pesticides ² , PFAS, ¹ 1,4-Dioxane ¹ (¹ 103D only) (² shallow only)	This cluster will screen shallow, intermediate, and deep groundwater zones for the potential groundwater contamination along the former parking lot area. Historical data provided indicated VOC and SVOC contamination.

Table 4
Former Coyne Textile Facility
140 Cortland Avenue
Sampling Rationale from the RIWP

Sample ID	Matrix	Sample Depth(s)	Sample Location	Analytical Parameters	Rationale
GW-MW1 – GW-MW-3	Groundwater	N/A	Tax Parcel 094.-20-02.0	TCL VOCs, TCL SVOCs, TAL Metals, PCBs	Historically installed permanent monitoring wells.
To be Determined	Groundwater	N/A	Entire Site, as Needed	VOCs, SVOCs	Soil borings that exhibit gross contamination will be converted into temporary monitoring wells and sampled.
SOIL-WC-100 SOIL-WC-101	Soil	N/A	Soil Stockpile(s)	TCLP VOCs, TCLP SVOCs, TAL Metals, PCBs, TCLP Herbicides, TCLP Pesticides, Reactivity, Ignitability, Corrosivity, pH	Two waste characterization soil samples will be collected to adequately characterize the soil stockpile for off-site disposal at a permitted facility.
GW-WC-100 GW-WC-101	Groundwater	N/A	Drums/containers of purged water	TCL VOCs, TCL SVOCs, TAL Metals, PCBs, TCL Herbicides, TCL Pesticides, , , Corrosivity, pH	Two waste characterization groundwater samples will be collected to adequately characterize the purged groundwater for off-site disposal at a permitted facility.
SOIL-DUP100 SOIL-DUP101	Soil	TBD	TBD	TCL VOCs, TCL SVOCs, TAL Metals, PCBs	Per QAQC procedure, two blind duplicate samples will be collected with selected soil samples to determine the precision of laboratory analysis.

Table 4
Former Coyne Textile Facility
140 Cortland Avenue
Sampling Rationale from the RIWP

Sample ID	Matrix	Sample Depth(s)	Sample Location	Analytical Parameters	Rationale
GW-DUP100	Groundwater	N/A	TBD	TCL VOCs, TCL SVOCs, TAL Metals, PCBs	Per QAQC procedure one blind duplicate sample will be collected with a selected groundwater sample to determine the precision of laboratory analysis.
GW-FB100 GW-FB101	Groundwater	N/A	TBD	TCL VOCs	Per QAQC procedure one field blank is required for each day of onsite groundwater sampling.
GW-EB100	Groundwater	N/A	TBD	TCL VOCs, TCL SVOCs, TAL Metals, PCBs	Per QAQC procedure, one equipment blank is required for every 20 groundwater samples collected.
GW-TB100 GW-TB101	Groundwater	N/A	TBD	TCL VOCs	Per QAQC procedure, one trip blank is required for each cooler containing samples for VOC analysis. VOC samples should be combined into one cooler each day.
SOIL-MS100 SOIL-MS101	Soil	N/A	TBD	TCL VOCs, TCL SVOCs, TAL Metals, PCBs	Per QAQC procedure, one matrix spike (MS) sample is required for every 20 samples (including duplicate samples and field or equipment blank samples).
SOIL-MSD100 SOIL-MSD101	Soil	N/A	TBD	TCL VOCs, TCL SVOCs, TAL Metals, PCBs	Per QAQC procedure, one matrix spike duplicate (MSD) sample is required for every 20 samples (including duplicate samples and field or equipment blank samples).
GW-MS100	Groundwater	N/A	TBD	TCL VOCs, TCL SVOCs, TAL Metals, PCBs	Per QAQC procedure, one matrix spike (MS) sample is required for every 20 samples (including duplicate samples and field or equipment blank samples).

Table 4
 Former Coyne Textile Facility
 140 Cortland Avenue
 Sampling Rationale from the RIWP

Sample ID	Matrix	Sample Depth(s)	Sample Location	Analytical Parameters	Rationale
GW-MSD100	Groundwater	N/A	TBD	TCL VOCs, TCL SVOCs, TAL Metals, PCBs	Per QAQC procedure, one matrix spike duplicate (MSD) sample is required for every 20 samples (including duplicate samples and field or equipment blank samples).

Table 5
Former Coyne Textile Facility
140 Cortland Avenue
Remedial Investigation
Summary of Soil Analytical Data (Detects Only)

Sampling Location				SOIL-SS100	SOIL-100	SOIL-101	SOIL-102	SOIL-103	SOIL-MS101	SOIL-MSD101	SOIL-104	SOIL-105	SOIL-106
Sample Date				4/9/2018	4/6/2018	4/9/2018	4/6/2018	4/6/2018	4/6/2018	4/6/2018	4/6/2018	4/6/2018	4/6/2018
Highest PID Reading (ppm)				0.0	0.0	0.3	463.1	0.3	0.3	0.3	922	0.0	0.1
Sample Depth (ft bgs)				0.33	9 - 10	15 - 16	15 - 18	14 - 17	14 - 17	14 - 17	16 - 18	17 - 19	12 - 15
Parameter	Part 375 Unrestricted SCOs	Part 375 Commercial SCOs	Units										
Metals													
Aluminum			mg/kg	8290 JH	NA	2880 JH	4510	5560 J	5130	6450	5350	3660	NA
Arsenic	13	16	mg/kg	4.1	NA	5.1	3.4	4.7 J	5.1	4.8	3.8	1.1	NA
Barium	350	400	mg/kg	129	NA	16.1 JH	42.1	53.2 J	42.1	56	65.8	108	NA
Beryllium	7.2	590	mg/kg	ND	NA	ND	ND	ND	0.25 J	0.3 J	ND	ND	NA
Cadmium	2.5	9.3	mg/kg	0.54	NA	0.24 J	0.43 JH	0.5 JH	0.38 JH	0.46 JH	0.42 JH	0.22 JH	NA
Calcium			mg/kg	13500 JH	NA	45500 JH	74500 JH	61300 JH	70300 JH	52000 JH	75000 JH	45300 JH	NA
Chromium			mg/kg	10.4	NA	4.6 J	5.8 JH	10 JH	7.1 JH	9.6 JH	7.5 JH	4.7 JH	NA
Cobalt			mg/kg	4.9	NA	3.1 J	4.6 JH	4.9 JH	4.6	5.6 JH	3.4	3.7 JH	NA
Copper	50	270	mg/kg	13.4 JH	NA	4.5 JH	7.6	32.7 J	31.2	43	14.2	9.3	NA
Iron			mg/kg	12800 JH	NA	10100 JH	13500 JH	13900 JH	13300 JH	13700 JH	9630 JH	7820 JH	NA
Lead	63	1000	mg/kg	19.6	NA	3.6 J	5.3	108 J	87.7	131	266	3.3	NA
Magnesium			mg/kg	2600	NA	10400	11500	12200 J	11900	12500	7590	17000	NA
Manganese	1600	10000	mg/kg	830 JH	NA	254 JH	316	345	321	373	232	285	NA
Nickel	30	310	mg/kg	8.7 JH	NA	7.4 JH	11.2	11.8 J	11.8	12.5	25.9	8.4	NA
Potassium			mg/kg	827 JH	NA	472 JH	755 JH	955 JH	884 JH	1040 JH	801 JH	666 JH	NA
Selenium	36	1500	mg/kg	ND	NA	ND	ND	0.67	0.68	ND	1.7	ND	NA
Silver	2	1500	mg/kg	ND	NA	ND	ND	ND	ND	ND	ND	ND	NA
Sodium			mg/kg	ND	NA	ND	ND	ND	ND	ND	636	ND	NA
Vanadium			mg/kg	15.6	NA	7.7	10.5	15.8 J	12.5	15.5	9.6	7.2	NA
Zinc	109	10000	mg/kg	57.4 JH	NA	17.5 JH	27.1 JH	63.8 JH	61.3 JH	67.4 JH	71.1 JH	21.7 JH	NA
Mercury	0.18	2.8	mg/kg	0.12	NA	ND	NA	NA	ND	ND	NA	NA	NA
Polychlorinated Biphenyls													
PCB-1242 (Aroclor 1242)				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
PCB-1260 (Aroclor 1260)				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total PCBs	0.1	1	mg/kg	0	0	0	0	0	0	0	0	0	0

J = An estimated concentration above the adjusted MDL and below the adjusted RL

JH = An estimated high concentration

NS = Not Sampled

NA = The sample was not analyzed for the corresponding parameter

ND = Parameter was not detected in the corresponding sample

Exceeds Part 375 Unrestricted SCO

Exceeds Part 375 Commercial SCO

Table 5
Former Coyne Textile Facility
140 Cortland Avenue
Remedial Investigation
Summary of Soil Analytical Data (Detects Only)

Sampling Location				SOIL-107	SOIL-108	SOIL-DUP101	SOIL-109	SOIL-110	SOIL-111	SOIL-112	SOIL-113	SOIL-114	SOIL-DUP100
Sample Date				4/20/2018	4/5/2018	4/5/2018	4/5/2018	4/5/2018	4/5/2018	4/5/2018	4/5/2018	4/5/2018	4/5/2018
Highest PID Reading (ppm)				NS	5.2	5.2	5.7	1272	11.5	3.9	2.1	1.9	1.9
Sample Depth (ft bgs)				11 - 12	15 - 17	15 - 17	12 - 13	12 - 13	13 - 14	17 - 18	12 - 15	17 - 20	17 - 20
Parameter	Part 375 Unrestricted SCOs	Part 375 Commercial SCOs	Units										
Metals													
Aluminum			mg/kg	6060 JH	3850 JH	3080 JH	6250 JH	4790 JH	2140 JH	NA	3080 JH	4310 JH	3470 JH
Arsenic	13	16	mg/kg	1.8 JH	3.6	1.5	2.3	3.2	3.3	NA	1.9	4.8	2.9 J
Barium	350	400	mg/kg	22.3 J	32.2 JH	21.3 JH	14 JH	47.4 JH	20.1 JH	NA	34.9 JH	404 JH	33.8 JH
Beryllium	7.2	590	mg/kg	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND
Cadmium	2.5	9.3	mg/kg	ND	ND	ND	ND	0.31 JH	0.27 JH	NA	0.26 JH	0.45	0.28 JH
Calcium			mg/kg	2330 JH	82400 JH	60300 JH	1480 JH	55600 JH	49200 JH	NA	101000 JH	110000	70200 JH
Chromium			mg/kg	11.3 JH	7.5 JH	5.9	11.9 JH	9.5 JH	5 JH	NA	6.4 JH	8.8	6.9 JH
Cobalt			mg/kg	6.1 JH	5.5	3.5	7.3	4.7	ND	NA	ND	4.4	3 J
Copper	50	270	mg/kg	18.8 J	7.7	6.4	4.1	5.6	ND	NA	3.3	6.9	5.1 J
Iron			mg/kg	11500 JH	8370 JH	6180 JH	13500 JH	12600 JH	12700 JH	NA	10400 JH	13900 JH	10400 JH
Lead	63	1000	mg/kg	7.1	4 JH	3.4 JH	7.7 JH	4.7 JH	2.2 JH	NA	3 JH	4.3 JH	2.8 JH
Magnesium			mg/kg	3010 JH	16900	12600	2820	9500	8870	NA	14500	21700	16800 J
Manganese	1600	10000	mg/kg	91.3 JH	250 JH	183 JH	86.2 JH	279 JH	213 JH	NA	263 JH	322 JH	275 JH
Nickel	30	310	mg/kg	16.7 J	11.6	8.2	18.1	11.3	5.5	NA	6.8	11.5	8 J
Potassium			mg/kg	801 J	704 JH	568 JH	784 JH	822 JH	502 JH	NA	607 JH	766 JH	636 JH
Selenium	36	1500	mg/kg	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND
Silver	2	1500	mg/kg	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND
Sodium			mg/kg	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND
Vanadium			mg/kg	15.3 JH	8.5	6.4	10	9.4	4.2	NA	5.9	8.1 JH	6.1 JH
Zinc	109	10000	mg/kg	31.6 JH	23.1 JH	19.2 JH	39.4 JH	27 JH	12 JH	NA	17.5 JH	23.4 JH	19.1 JH
Mercury	0.18	2.8	mg/kg	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND
Polychlorinated Biphenyls													
PCB-1242 (Aroclor 1242)				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
PCB-1260 (Aroclor 1260)				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total PCBs	0.1	1	mg/kg	0	0	0	0	0	0	0	0	0	0

J = An estimated concentration above the adjusted MDL and below the adjusted RL
 JH = An estimated high concentration
 NS = Not Sampled
 NA = The sample was not analyzed for the corresponding parameter
 ND = Parameter was not detected in the corresponding sample
 Exceeds Part 375 Unrestricted SCO
 Exceeds Part 375 Commercial SCO

Table 5
Former Coyne Textile Facility
140 Cortland Avenue
Remedial Investigation
Summary of Soil Analytical Data (Detects Only)

Sampling Location				Subsurface Soil								
				SOIL-115B	SOIL-116	SOIL-117	SOIL-118	SOIL-119	SOIL-120	SOIL-121	SOIL-122	SOIL-123
Sample Date				4/5/2018	4/4/2018	4/4/2018	4/4/2018	4/4/2018	4/4/2018	4/4/2018	4/6/2018	4/6/2018
Highest PID Reading (ppm)				6.1	>15000	7.3	1.9	125.4	3.9	0.3	0.0	0.0
Sample Depth (ft bgs)				7 - 8	8 - 9	9 - 10	7 - 8	9 - 10	10 - 11	9 - 10	9 - 10	12-14
Parameter	Part 375 Unrestricted SCOs	Part 375 Commercial SCOs	Units									
Percent Moisture			%	26	32	47.9	19.4	29.6	47.7	20.2	14.4	15.8
VOCs												
1,1-Dichloroethene	0.33	500	mg/kg	ND	1.45	ND	ND	ND	ND	ND	ND	ND
1,2,4,5-tetramethylbenzene			mg/kg	0.213	ND	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	3.6	190	mg/kg	0.209	4.31	ND	ND	ND	ND	0.156	ND	ND
1,3,5-Trimethylbenzene	8.4	190	mg/kg	ND	2.19	ND	ND	ND	ND	ND	ND	ND
1,4-Diethylbenzene			mg/kg	0.122	1.28	ND	ND	ND	ND	ND	ND	ND
2-Butanone (MEK)	0.12	500	mg/kg	ND	ND	ND	0.0168	ND	0.0473	0.155 J	ND	ND
4-Ethyltoluene			mg/kg	ND	2.03	ND	ND	ND	ND	ND	ND	ND
Acetone	0.05	500	mg/kg	0.182	ND	0.507	0.0601	0.236 J	0.239	0.463	0.0053 J	0.0201 J
Benzene	0.06	44	mg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbon disulfide			mg/kg	ND	ND	ND	ND	ND	0.0211	ND	ND	ND
Cyclohexane			mg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND
Isopropylbenzene (Cumene)			mg/kg	ND	ND	ND	ND	0.141 JH	ND	ND	ND	ND
Methyl acetate			mg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methylcyclohexane			mg/kg	ND	ND	ND	0.0046	ND	ND	ND	ND	ND
Naphthalene	12	500	mg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene	1.3	150	mg/kg	ND	460	ND	0.0031	0.147 JH	0.0373	ND	ND	ND
Toluene	0.7	500	mg/kg	ND	ND	ND	ND	ND	0.0043	ND	ND	ND
Trichloroethene	0.47	200	mg/kg	ND	38.3	ND	ND	ND	ND	ND	ND	ND
Vinyl chloride	0.02	13	mg/kg	ND	12.3	ND	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	0.25	500	mg/kg	ND	424	ND	ND	ND	0.0092	ND	ND	ND
n-Propylbenzene	3.9	500	mg/kg	ND	2.7	ND	ND	ND	ND	ND	ND	ND
sec-Butylbenzene	11	500	mg/kg	ND	1.82	ND	ND	0.237	ND	ND	ND	ND
trans-1,2-Dichloroethene	0.19	500	mg/kg	ND	3.46	ND	ND	ND	ND	ND	ND	ND
SVOCs												
2-Methylnaphthalene			mg/kg	1.04	ND	ND	ND	ND	ND	ND	ND	ND
3&4-Methylphenol(m&p Cresol)			mg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthene	20	500	mg/kg	0.622	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthylene	100	500	mg/kg	ND	ND	ND	0.113	ND	0.157	ND	ND	ND
Anthracene	100	500	mg/kg	0.631	0.233	ND	0.368	ND	ND	ND	ND	ND
Benzaldehyde			mg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(a)anthracene	1	5.6	mg/kg	1.38	0.598	0.128	0.941	ND	0.167	ND	ND	ND
Benzo(a)pyrene	1	1	mg/kg	0.999	0.517	ND	0.602	ND	0.137	ND	ND	ND
Benzo(b)fluoranthene	1	5.6	mg/kg	1.15	0.837	ND	0.714	ND	0.17	ND	ND	ND
Benzo(g,h,i)perylene	100	500	mg/kg	ND	0.243	ND	0.158	ND	ND	ND	ND	ND
Benzo(k)fluoranthene	0.8	56	mg/kg	0.571	0.388	ND	0.451	ND	ND	ND	ND	ND
Biphenyl (Diphenyl)			mg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbazole			mg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chrysene	1	56	mg/kg	1.66	0.647	ND	0.794	ND	0.168	ND	ND	ND
Dibenz(a,h)anthracene	0.33	0.56	mg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibenzofuran	14	350	mg/kg	ND	0.113	ND	ND	ND	ND	ND	ND	ND
Fluoranthene	100	500	mg/kg	2.04	1.09	0.238	1.46	0.147	0.223	ND	ND	ND
Fluorene	30	500	mg/kg	0.758	0.116	ND	0.136	ND	ND	ND	ND	ND
Indeno(1,2,3-cd)pyrene	0.5	5.6	mg/kg	ND	0.259	ND	0.191	ND	ND	ND	ND	ND
N-Nitrosodiphenylamine			mg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND
Naphthalene	12	500	mg/kg	0.68	0.262	ND	ND	ND	ND	ND	ND	ND
Phenanthrene	100	500	mg/kg	2.7	0.863	0.198	1.05	ND	0.193	ND	ND	ND
Pyrene	100	500	mg/kg	2.31	0.913	0.209	1.5	0.137	0.323	ND	ND	ND
bis(2-Ethylhexyl)phthalate			mg/kg	ND	0.325	ND	ND	ND	ND	ND	ND	ND

Table 5
Former Coyne Textile Facility
140 Cortland Avenue
Remedial Investigation
Summary of Soil Analytical Data (Detects Only)

Sampling Location				SOIL-115B	SOIL-116	SOIL-117	SOIL-118	SOIL-119	SOIL-120	SOIL-121	SOIL-122	SOIL-123
Sample Date				4/5/2018	4/4/2018	4/4/2018	4/4/2018	4/4/2018	4/4/2018	4/4/2018	4/6/2018	4/6/2018
Highest PID Reading (ppm)				6.1	>15000	7.3	1.9	125.4	3.9	0.3	0.0	0.0
Sample Depth (ft bgs)				7 - 8	8 - 9	9 - 10	7 - 8	9 - 10	10 - 11	9 - 10	9 - 10	12-14
Parameter	Part 375 Unrestricted SCOs	Part 375 Commercial SCOs	Units									
Metals												
Aluminum			mg/kg	5870 JH	4720 JH	12400 JH	8120 JH	3630 JH	12400 JH	4540 JH	7510	NA
Arsenic	13	16	mg/kg	3.4	10.7	3.4	5	4	5.7	3.8	5.1	NA
Barium	350	400	mg/kg	79.4 JH	124 JH	85.9 JH	53.5 JH	44 JH	156 JH	42.9 JH	37.9	NA
Beryllium	7.2	590	mg/kg	0.34	ND	0.66 JH	0.38 JH	ND	0.68 JH	ND	0.36	NA
Cadmium	2.5	9.3	mg/kg	0.81 JH	0.98 JH	0.65 JH	0.48 JH	0.25 JH	1.2 JH	0.52 JH	0.24 JH	NA
Calcium			mg/kg	29800 JH	94500 JH	40200 JH	31700 JH	29700 JH	26200 JH	33300 JH	1920 JH	NA
Chromium			mg/kg	18.7 JH	17.9 JH	23.1 JH	14.6 JH	8.3 JH	26.4 JH	10.6 JH	10.6 JH	NA
Cobalt			mg/kg	5.4	5.1	7.2	6.5	3.6	9	4.2	6.4	NA
Copper	50	270	mg/kg	47.1	114	20.3	16.2	47.4	51.5	17	17.2	NA
Iron			mg/kg	17600 JH	26300 JH	20300 JH	15000 JH	9170 JH	20500 JH	13200 JH	13000 JH	NA
Lead	63	1000	mg/kg	158 JH	776 JH	28.9 JH	24.6 JH	78.4 JH	257 JH	8.3 JH	6.5	NA
Magnesium			mg/kg	8740	10400	8450	6560	4340	6270	3690	3180	NA
Manganese	1600	10000	mg/kg	219 JH	371 JH	232 JH	332 JH	112 JH	209 JH	246 JH	96.1	NA
Nickel	30	310	mg/kg	14	10	56.2	24.6	10.5	56	29.5	21.1	NA
Potassium			mg/kg	897 JH	707 JH	1890 JH	848 JH	658 JH	1500 JH	665 JH	594 JH	NA
Selenium	36	1500	mg/kg	1.3 JH	1.4 JH	2.5 JH	1.1 JH	NA*	7.4 JH	2.1 JH	ND	NA
Silver	2	1500	mg/kg	ND	ND	ND	ND	ND	1.2	ND	ND	NA
Sodium			mg/kg	ND	ND	495	ND	ND	ND	358	ND	NA
Vanadium			mg/kg	23.9	15.3	17.1	12.5	10.1	19.2	8.7	10.9	NA
Zinc	109	10000	mg/kg	134 JH	315 JH	87.9 JH	56.1 JH	66.4 JH	227 JH	63.6 JH	36.7 JH	NA
Mercury	0.18	2.8	mg/kg	0.89 JH	1.4	0.2	0.13	0.39	1.4	0.099	ND	NA
Polychlorinated Biphenyls												
PCB-1242 (Aroclor 1242)				ND	0.737 J	ND	ND	0.263 J	ND	ND	ND	ND
PCB-1260 (Aroclor 1260)				ND	ND	ND	0.143 J	ND	ND	ND	ND	ND
Total PCBs	0.1	1	mg/kg	0	0.737	0	0.143	0.263	0	0	0	0

J = An estimated concentration above the adjusted MDL and below the adjusted RL

JH = An estimated high concentration

NS = Not Sampled

NA = Ther sample was not analyzed for the corresponding parameter

ND = Parameter was not detected in the corresponding sample

Exceeds Part 375 Unrestricted SCO

Exceeds Part 375 Commercial SCO

Table 6
Former Coyne Textile Facility
140 Cortland Avenue
Remedial Investigation
Groundwater Elevations Table

Well No	Screen Interval (ft bgs)	TOR Elevation (ft)	TOC Elevation (ft)	Groundwater Level	
				DTGW from TOR (ft)	GW Elevation (ft)
GW-100	13-23	389.360	389.875	8.19	381.17
GW-101S	10-20	389.455	389.850	8.12	381.34
GW-101I	35-45	389.405	389.825	9.36	380.05
GW-101D	62-72	389.590	389.840	13.27	376.32
GW-102	14-24	389.505	389.875	8.37	381.14
GW-103S	6-16	389.645	389.880	7.61	382.04
GW-103D	16-26	389.730	389.965	9.64	380.09
GW-104	8-18	390.320	390.950	8.39	381.93
GW-105S	8-18	391.370	392.000	7.51	383.86
GW-105D	20-30	391.450	392.210	8.62	382.83

Table 7
Former Coyne Textile Facility
140 Cortland Avenue
Field Water Quality Parameters Summary Table

Well ID	Method of Purging	Column of Water	Time	ORP/Eh (mV)	pH	Conductivity (ms/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temperature (°C)
GW-100	Submersible	15.03	13:08	-1	7	4.64	1000	0	15.12
			13:14	-28	7.08	4.61	321	0	15.1
			13:18	-54	7.37	4.6	147	0	15.1
			13:24	-62	7.39	4.64	87.7	0	15.09
			13:29	-68	7.42	4.61	48.9	0	15.09
			13:33	-72	7.43	4.65	43.4	0	15.07
GW-101S	Submersible	12.09	11:32	-77	7.42	2.68	1000	0	16.13
			11:37	-70	7.37	2.69	853	0	15.86
			11:42	-76	7.36	2.77	359	0	15.78
			11:47	-75	7.32	2.79	226	0	15.68
			11:52	-75	7.31	2.82	154	0	15.68
GW-101I	Submersible	31.87	12:23	-80	7.92	1.67	107	5.85	16.1
			12:28	-82	7.87	1.66	93.6	4.47	16.26
			12:33	-83	7.87	1.66	101	3.56	16.26
			12:38	-86	7.82	1.66	643	3.06	16.13
GW-101D	Submersible	59.11	11:03	-129	8.14	2.09	1000	0.2	14.93
			11:08	-127	8.04	2.09	1000	0	14.81
			11:13	-98	8.07	2.03	1000	0	15.11
			11:18	-106	7.98	1	1000	0	14.57
			11:23	-108	8.01	1.76	1000	0	14.74
			11:28	-108	7.98	1.76	705	0	14.83
			11:34	-93	7.96	1.73	791	0	15.1
			11:39	-97	8.1	1.67	402	0	14.85
			11:44	-97	8.12	1.68	835	0	14.98
11:49	-100	8.13	1.69	0	0	15.16			
GW-102	Submersible	15.52	07:57	-19	7.31	2.55	1000	0	15.5
			08:03	-42	7.28	2.55	447	0	15.62
			08:08	-69	7.25	2.56	137	0	15.67
			08:13	-80	7.27	2.58	68.4	0	15.69
GW-103S	Submersible	8.52	12:19	-122	7.46	1.39	1000	0	12.83
			12:24	-129	7.46	1.35	1000	0	12.85
			12:29	-128	7.4	1.34	1000	0	12.92
			12:34	-126	7.41	1.34	1000	0	12.88
GW-103D	Submersible	15.76	11:23	-78	7.26	2.63	1000	0	14.74
			11:28	-95	7.26	2.85	509	0	14.55
			11:33	-95	7.32	2.89	296	0	14.84
			11:38	-110	7.27	2.88	140	0	14.47
			11:43	-116	7.27	2.93	91.4	0	14.59
			11:48	-122	7.27	2.92	36.1	0	14.54
11:51	-122	7.22	2.91	29	0	14.81			

Table 7
Former Coyne Textile Facility
140 Cortland Avenue
Field Water Quality Parameters Summary Table

Well ID	Method of Purging	Column of Water	Time	ORP/Eh (mV)	pH	Conductivity (ms/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temperature (°C)
GW-104	Submersible	9.38	10:06	19	7.31	1.6	1000	13.27	9.85
			10:10	26	7.21	1.57	1000	1.36	10.37
			10:15	15	7.18	1.58	1000	0.45	10.36
			10:20	1	7.16	1.58	1000	0	10.33
			10:26	-13	7.14	1.57	1000	0	10.4
			10:31	-12	7.09	1.57	968	0	10.42
			10:36	-22	7.1	1.55	484	0	10.47
GW-105S	Submersible	10.25	08:59	-101	7.38	3.48	1000	5.81	9.73
			09:04	-112	7.37	3.74	336	4.37	9.7
			09:09	-121	7.47	3.73	77.4	3.76	9.59
			09:14	-124	7.47	3.71	31.9	3.05	9.69
			09:19	-127	7.5	3.7	20.8	2.3	9.72
GW-105D	Submersible	21.51	08:11	-84	7.46	1.18	1000	0	13.61
			08:16	-92	7.45	1.17	559	0	13.71
			08:21	-96	7.43	1.17	113	0	13.76
			08:27	-98	7.46	1.17	58.7	0	13.66
GW-MW1	Peristaltic	5.13	14:18	-133	8.15	6.04	348	9.55	8.16
			14:23	-135	8.22	6.2	55.2	9.11	8.11
			14:28	-135	8.27	6.11	16.4	9.04	8.15
			14:33	-134	8.3	6.17	30.7	8.98	8.15
			14:39	-135	8.33	5.88	39.8	8.5	8.09
GW-MW2	Peristaltic	7.91	13:25	-126	8.05	5.78	194	0	7.96
			13:30	-131	7.98	5.95	96.7	0	7.86
			13:35	-137	8.01	5.84	45.6	0	7.84
			13:40	-139	7.98	5.98	35.5	0	7.8
GW-MW3	Peristaltic	6.52	16:12	-103	8.09	6.81	1000	9.55	8.12
			16:17	-109	8.16	6.86	516	9.5	8.07
			16:22	-111	8.19	6.94	366	9.59	8.08
			16:27	-111	8.19	6.82	202	9.81	8.16

Table 8
Former Coyne Textile Facility
140 Cortland Avenue
Remedial Investigation
Groundwater Sample Data Summary Table (Detects Only)

Sampling Location			GW-105S	GW-105D	GW-100	GW-101S	GW-101I	GW-101D	GW-102	GW-103S	GW-103D
Sample Date	Sample Date	Sample Date	4/6/2018	4/20/2018	4/6/2018	4/9/2018	4/6/2018	4/6/2018	4/6/2018	4/6/2018	4/6/2018
Headspace PID Reading (ppm)			1.2	3.3	10.6	1.3	76.2	0.8	161	123.3	94.9
Well Screen (ft bgs)			8.0 - 18.0	20.0 - 30.0	13.0 - 23.0	10.0 - 20.0	35.0 - 45.0	62.0 - 72.0	14.0 - 24.0	6.0 - 16.0	16.0 - 26.0
Parameter	TOGS 1.1.1 Ambient WQ Standard	Units	Upgradient Wells			Down gradient Wells					
			VOCs								
1,1-Dichloroethene	5	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	3	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acetone	50	ug/L	ND	ND	ND	ND	9.5	8.9	ND	ND	ND
Benzene	1	ug/L	1.3	104.0	13.1	10.6	ND	ND	35.3	ND	1.6 JH
Carbon disulfide		ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND
Cyclohexane		ug/L	ND	ND	ND	ND	1.0	ND	ND	ND	ND
Ethylbenzene	5	ug/L	ND	ND	ND	ND	ND	ND	1.8	ND	ND
Isopropylbenzene (Cumene)	5	ug/L	ND	ND	ND	ND	ND	ND	2.6	5.3	1.9 JH
Methyl-tert-butyl ether		ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methylcyclohexane		ug/L	ND	ND	ND	ND	1.2	ND	2.5	ND	ND
Tetrachloroethene	5	ug/L	ND	ND	ND	ND	ND	ND	ND	7.1	ND
Toluene	5	ug/L	ND	ND	ND	ND	1.5	ND	ND	ND	ND
Trichloroethene	5	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl chloride	2	ug/L	ND	ND	17.6	ND	ND	ND	40.3	ND	76.2
Xylene (Total)	5	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	5	ug/L	ND	ND	8.4	1.7	ND	ND	19.3	ND	17.1
trans-1,2-Dichloroethene	5	ug/L	ND	ND	8.7	1.1	ND	ND	1.3	ND	ND
SVOCs											
bis(2-Ethylhexyl)phthalate	5	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND
Metals											
Aluminum		ug/L	2,620.0 JH	263.0 JH	740.0 JH	808.0	10,500.0	6,380.0	985.0	ND	354.0 JH
Arsenic	25	ug/L	ND	ND	ND	ND	19.8	ND	ND	ND	ND
Barium	1,000	ug/L	294.0 JH	2,940.0	730.0 JH	1,360.0 JH	ND	ND	625.0	254.0 JH	391.0 JH
Beryllium	3	ug/L	ND	ND	ND	ND	7.0	ND	ND	ND	ND
Calcium		ug/L	261,000	169,000	277,000 JH	278,000 JH	329,000 JH	355,000 JH	243,000	134,000	210,000
Chromium	50	ug/L	ND	16 J	ND	28	27	55 JH	22	ND	ND
Copper	200	ug/L	ND	ND	ND	1,120	1,070	425	100 JH	ND	ND
Iron	300	ug/L	13,000 J	3,870	2,840 JH	2,850 JH	20,700 JH	13,600	2,140	7,700	2,290
Lead	25	ug/L	14.0	ND	ND	ND	12.8	27.0	ND	ND	ND
Magnesium	35000 G	ug/L	204,000	40,000	52,500 J	51,300	93,200	98,600 JH	59,700	28,300	49,900
Manganese	300	ug/L	1,380	104	435 JH	426 JH	854 JH	1,050 JH	167 JH	681	286
Nickel	100	ug/L	42.9 J	ND	ND	ND	ND	48.6 JH	ND	40.9	50.0
Potassium		ug/L	27,800 JH	13,800 JH	15,800	17,600 JH	ND	9,270 JH	15,300 JH	19,200 JH	25,000 JH
Sodium	20,000	ug/L	243,000 JH	38,800 JH	602,000 JH	247,000 JH	44,600 JH	93,400	178,000	106,000 JH	301,000 JH
Thallium	0.5 G	ug/L	14.5	ND	ND	ND	ND	ND	ND	10.3	10.3
Zinc	2000 G	ug/L	25.2 JH	ND	21.1 J	111.0 JH	291.0 JH	106.0 JH	33.1 JH	ND	ND
Mercury	0.7	ug/L	0.31	ND	ND	ND	ND	0.29 JH	ND	ND	ND

J = An estimated concentration above the adjusted

MDL and below the adjusted RL

JH = An estimated high concentration

NS = Not Sampled

NA = The sample was not analyzed for the corresponding parameter

ND = Parameter was not detected in the corresponding sample

G - TOGS 1.1.1 Guidance Value

Exceeds TOGS 1.1.1 Class GA Ambient Groundwater Standard

Table 8
Former Coyne Textile Facility
140 Cortland Avenue
Remedial Investigation
Groundwater Sample Data Summary Table (Detects Only)

Sampling Location			GW-104	GW-MW1	GW-DUP100	GW-MW2	GW-MW3	Temp-GW001	GW-EB100	
Sample Date	Sample Date	Sample Date	4/6/2018	4/5/2018	4/5/2018	4/5/2018	4/5/2018	4/5/2018	4/5/2018	
Headspace PID Reading (ppm)			0.3	2.2	2.2	62	95.3	NS	NS	
Well Screen (ft bgs)			8.0 - 18.0	6.0-11.0	6.0-11.0	4.0-14.0	4.0-14.0	3.0-13.0		
Parameter	TOGS 1.1.1 Ambient WQ Standard	Units	Down gradient Wells							
VOCs										
1,1-Dichloroethene	5	ug/L	ND	ND	ND	ND	ND	18.0	ND	
1,2-Dichlorobenzene	3	ug/L	ND	ND	ND	1.7	ND	ND	ND	
Acetone	50	ug/L	ND	ND	ND	ND	ND	ND	ND	
Benzene	1	ug/L	ND	ND	ND	7.3	8.1	ND	ND	
Carbon disulfide		ug/L	ND	ND	ND	ND	ND	1.1	ND	
Cyclohexane		ug/L	ND	ND	ND	21.0	ND	ND	ND	
Ethylbenzene	5	ug/L	ND	ND	ND	2.9	ND	4.3	J	
Isopropylbenzene (Cumene)	5	ug/L	ND	ND	ND	121.0	28.5	18.4	J	
Methyl-tert-butyl ether		ug/L	ND	1.4	1.6	ND	ND	ND	ND	
Methylcyclohexane		ug/L	ND	ND	ND	29.3	ND	ND	ND	
Tetrachloroethene	5	ug/L	ND	ND	ND	ND	ND	21,400	J	
Toluene	5	ug/L	ND	ND	ND	2.3	ND	5	J	
Trichloroethene	5	ug/L	ND	ND	ND	ND	ND	1,980	J	
Vinyl chloride	2	ug/L	ND	ND	ND	ND	ND	1,560	J	
Xylene (Total)	5	ug/L	ND	ND	ND	6.3	ND	6.2	J	
cis-1,2-Dichloroethene	5	ug/L	ND	ND	ND	1.0	ND	4,550	J	
trans-1,2-Dichloroethene	5	ug/L	ND	ND	ND	ND	ND	27.5	J	
SVOCs										
bis(2-Ethylhexyl)phthalate	5	ug/L	ND	ND	ND	ND	ND	11.0	ND	
Metals										
Aluminum		ug/L	3,940.0	JH	ND	ND	247.0	ND	NA	ND
Arsenic	25	ug/L	11.3	JH	ND	ND	ND	ND	NA	ND
Barium	1,000	ug/L	250.0	JH	366.0	JH	374.0	JH	391.0	JH
Beryllium	3	ug/L	ND	ND	ND	ND	ND	ND	NA	ND
Calcium		ug/L	228,000		172,000	JH	173,000	JH	90,600	JH
Chromium	50	ug/L	ND	ND	ND	ND	ND	ND	NA	ND
Copper	200	ug/L	ND	ND	ND	ND	ND	ND	NA	ND
Iron	300	ug/L	9,010	JH	5,620	JH	5,480	JH	841	JH
Lead	25	ug/L	11.5	JH	ND	ND	25.6	JH	ND	ND
Magnesium	35000 G	ug/L	60,700	JH	248,000	JH	248,000	JH	132,000	JH
Manganese	300	ug/L	1,090	JH	1,780	JH	1,860	JH	240	JH
Nickel	100	ug/L	45.5	JH	ND	ND	ND	ND	ND	ND
Potassium		ug/L	14,700	JH	26,000	JH	26,700	JH	8,020	JH
Sodium	20,000	ug/L	70,700	JH	486,000	JH	474,000	JH	706,000	JH
Thallium	0.5 G	ug/L	13.1	JH	ND	ND	ND	ND	ND	ND
Zinc	2000 G	ug/L	28.8	JH	ND	ND	ND	ND	ND	ND
Mercury	0.7	ug/L	ND	ND	ND	ND	0.58	JH	ND	ND

J = An estimated concentration above the adjusted

MDL and below the adjusted RL

JH = An estimated high concentration

NS = Not Sampled

NA = Ther sample was not analyzed for the corresponding parameter

ND = Parameter was not detected in the corresponding sample

G - TOGS 1.1.1 Guidance Value

Exceeds TOGS 1.1.1 Class GA Ambient Groundwater Standard

Table 9
Former Coyne Textile Facility
140 Cortland Avenue
Remedial Investigation
Groundwater Sample Results - PFAS and 1,4 Dioxane (Detects Only)

Sampling Location		GW-103D	GW-104	GW-105D
Sample Date		4/6/2018	4/6/2018	4/20/2018
Headspace PID Reading (ppm)		94.9	0.3	3.3
Well Screen (ft bgs)		16.0 - 26.0	8.0 - 18.0	20.0 - 30.0
Parameter	Units			
6:2FTS	ng/L	33.0	3.60 J	2.60 J
Perfluorobutanesulfonic acid (PFBS)	ng/L	14.0	0.62 J	1.70 J
Perfluorobutanoic acid (PFBA)	ng/L	330.0	2.60	4.50
Perfluorodecanoic acid (PFDA)	ng/L	2.1	ND	ND
Perfluoroheptanesulfonic Acid (PFHpS)	ng/L	24.0	ND	ND
Perfluoroheptanoic acid (PFHpA)	ng/L	160.0	ND	0.77 J
Perfluorohexanesulfonic acid (PFHxS)	ng/L	25.0 JH	ND	ND
Perfluorohexanoic acid (PFHxA)	ng/L	350.0	ND	ND
Perfluorononanoic acid (PFNA)	ng/L	75.0	ND	ND
Perfluorooctanesulfonic acid (PFOS)	ng/L	2,000.0	1.40 J	0.55 J
Perfluorooctanoic acid (PFOA)	ng/L	300.0 JH	ND	ND
Perfluoropentanoic acid (PFPeA)	ng/L	360.0	ND	1.60 J
1,4-Dioxane	µg/L	1.7 J	ND	ND

J - Result is less than the RL but greather than or equal to the MDL and the concentration is an approximate value

JH - Result is estimated high

ND - Not detected at the reporting limit

Table 10
Former Coyne Textile Facility
140 Cortland Avenue
Remedial Investigation
Hydraulic Conductivity Table

Well ID	Well Screened Interval (ft bgs)	Subsurface Geology	Test Type	K (ft/day)	K (cm/s)	Well Average K (ft/day)	Well Average K (cm/s)
GW-101S	10 - 20 ft	Alternating compact SILTY CLAY and SILT and SAND layers for approximately 3 feet. Compact SAND, then SAND and GRAVEL for the remainder of the screened interval.	Falling Head	1.08E+00	3.80E-04	1.26E+00	4.45E-04
			Rising Head	1.45E+00	5.10E-04		
GW-101I	35 - 45 ft	Alternating layers of loose SAND, then medium stiff SILTY CLAY.	Falling Head	6.50E-02	2.29E-05	4.41E-02	1.56E-05
			Rising Head	2.32E-02	8.19E-06		
GW-101D	62 - 72 ft	Alternating loose and compact SAND with trace Gravel.	Falling Head	NA*		NA*	NA *
			Rising Head	NA*			
GW-103S	6 - 16 ft	Compact SAND and GRAVEL, followed by compact SILT and SAND, then medium compact SAND and GRAVEL	Falling Head	4.33E-01	1.53E-04	3.36E-01	1.19E-04
			Rising Head	2.39E-01	8.42E-05		
GW-103D	16 - 26 ft	Screened above 4.1' SILTY CLAY, grey, moist, medium stiff encountered at ~26-30 ft bgs	Falling Head	1.31E+00	4.63E-04	1.48E+00	5.21E-04
			Rising Head	1.64E+00	5.78E-04		
GW-105S	8 - 18 ft	Loose SAND and GRAVEL followed by still SILTY CLAY and medium stiff SILT.	Falling Head	3.98E-01	1.40E-04	3.65E-01	1.29E-04
			Rising Head	3.32E-01	1.17E-04		
GW-105D	20 - 30 ft	Screened above 1.8' SILTY CLAY, light brown, wet, soft encountered at ~30 - 31.8 ft bgs	Falling Head	5.96E-01	2.10E-04	6.12E-01	2.16E-04
			Rising Head	6.28E-01	2.22E-04		

NA* = indicates the test was not analyzed

Table 11
Former Coyne Textile Facility
140 Cortland Avenue
Helium Detection Test

Vapor Sample Number	Helium (ppm)
SV-IA100	1,875
SV-IA101	75
SV-IA102	1,400
SV-IA103	1,350
SV-IA104	11,700
SV-IA105	7,300
SVP-100	3,150
SVP-101	9,300
SV-IAQ100	NA
SV-IAQ101	NA
SV-OA100	NA

Table 12
Former Coyne Textile Facility
140 Cortland Avenue
Remedial Investigation
Vapor Detections Summary Table

Sampling Location		SV-IA100	SV-IA101	SV-IA102	SV-IA103	SV-IA104
Helium Tracer Gas Test		1875	75	1400	1350	11700*
Start Pressure (in Hg)		-30	-30	-27	-29	-27
End Pressure (in Hg)		-5	-16	-5.5	-5	-5.5
Parameter	Units					
1,1,1-Trichloroethane	ug/m3	3.7	ND	ND	ND	2.7
1,2,4-Trimethylbenzene	ug/m3	10.3	12.5	9.9	10.1	9.7
1,3,5-Trimethylbenzene	ug/m3	ND	9	ND	5.2	ND
2-Butanone (MEK)	ug/m3	53.8	ND	11.2	8.1	297
2-Propanol	ug/m3	ND	8.6	ND	28.8	ND
4-Ethyltoluene	ug/m3	2.6	8	4.1	5.4	3.5
4-Methyl-2-pentanone (MIBK)	ug/m3	10.6	21.1	ND	ND	97
Acetone	ug/m3	600	168	60.5	215	514
Benzene	ug/m3	3	6.1	ND	3.7	3.6
Bromodichloromethane	ug/m3	3.6	ND	ND	ND	4
Carbon disulfide	ug/m3	4.5	ND	ND	ND	ND
Chloroform	ug/m3	33.9	ND	ND	17.1	32.1
Cyclohexane	ug/m3	ND	ND	ND	ND	ND
Dichlorodifluoromethane	ug/m3	133	ND	ND	2.4	ND
Ethanol	ug/m3	25.9 J	98.5	36.9	82.7	30
Ethylbenzene	ug/m3	83.6 J	88.4	5.3	12.4	10.8
Naphthalene	ug/m3	ND	ND	ND	ND	ND
Propylene	ug/m3	6.2	ND	ND	ND	ND
Tetrachloroethene	ug/m3	461	1090	139	855	626
Toluene	ug/m3	33.8	32.1	10.8	31.3	33.6
Trichloroethene	ug/m3	ND	106	1.2	41.3	22.2
Vinyl acetate	ug/m3	4.1	ND	ND	ND	ND
cis-1,2-Dichloroethene	ug/m3	ND	ND	ND	38.4	6.1
m&p-Xylene	ug/m3	216	252	22	41.6	37.4
n-Heptane	ug/m3	ND	13	ND	8.4	ND
n-Hexane	ug/m3	ND	12.9	ND	8.7	ND
o-Xylene	ug/m3	38.4	168	13.8	22.6	22
trans-1,2-Dichloroethene	ug/m3	ND	ND	ND	1.6	ND

ND - Not detected

Soil Vapor/Indoor Air Matrix Actions

Identify Source(s) and resample or Mitigate

Mitigate

Table 12
Former Coyne Textile Facility
140 Cortland Avenue
Remedial Investigation
Vapor Detections Summary Table

Sampling Location		SV-IA105	SV-IAQ100	SV-IAQ101	SV-OA100	SVP-100	SVP-101
Helium Tracer Gas Test		7300	NA	NA	NA	3150	9300
Start Pressure (in Hg)		-30	-28	-28	-27	-30	-29
End Pressure (in Hg)		-5.5	-6	-5	-6	-6	-6
Parameter	Units						
1,1,1-Trichloroethane	ug/m3	5.3	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	ug/m3	16	ND	1.7	ND	209	906
1,3,5-Trimethylbenzene	ug/m3	8	ND	ND	ND	58.1	1490
2-Butanone (MEK)	ug/m3	209	ND	ND	ND	37	ND
2-Propanol	ug/m3	ND	ND	ND	5.3	ND	ND
4-Ethyltoluene	ug/m3	5.2	ND	ND	ND	47.5	ND
4-Methyl-2-pentanone (MIBK)	ug/m3	116	ND	ND	ND	ND	ND
Acetone	ug/m3	545	ND	15	6.9	259	1060
Benzene	ug/m3	3.4	1.4	ND	ND	2.8	ND
Bromodichloromethane	ug/m3	ND	ND	ND	ND	ND	ND
Carbon disulfide	ug/m3	ND	ND	ND	ND	ND	ND
Chloroform	ug/m3	ND	ND	ND	ND	ND	ND
Cyclohexane	ug/m3	ND	1.5	ND	ND	ND	ND
Dichlorodifluoromethane	ug/m3	ND	ND	ND	ND	ND	ND
Ethanol	ug/m3	63.7	33.4	10.5	16.4	91.3	ND
Ethylbenzene	ug/m3	14.8	ND	ND	ND	12.2	ND
Naphthalene	ug/m3	ND	ND	ND	ND	29.8	ND
Propylene	ug/m3	ND	ND	ND	ND	ND	ND
Tetrachloroethene	ug/m3	229	34.1	50.9	ND	ND	ND
Toluene	ug/m3	28.9	5.7	2.9	ND	20.9	ND
Trichloroethene	ug/m3	ND	ND	1.1	ND	ND	ND
Vinyl acetate	ug/m3	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	ug/m3	ND	ND	ND	ND	ND	ND
m&p-Xylene	ug/m3	58	5.1	3.3	ND	108	613
n-Heptane	ug/m3	ND	ND	ND	ND	15.8	ND
n-Hexane	ug/m3	ND	3.9	ND	ND	21.1	ND
o-Xylene	ug/m3	40.1	ND	ND	ND	43.2	717
trans-1,2-Dichloroethene	ug/m3	ND	ND	ND	ND	ND	ND

ND - Not detected

Soil Vapor/Indoor Air Matrix Actions

Identify Source(s) and resample or Mitigate

Mitigate

Table 13
Former Coyne Textile Facility
140 Cortland Avenue
Remedial Investigation
Sub-slab Vapor Decision Matrix Results

Sample	Parameter	Sub-Slab Concentration (µg/m³)	Indoor Air Concentration (µg/m³)	Decision Matrix Outcome
SV-IA100	Tetrachloroethene	461	50.9	MITIGATE
	Trichloroethene	NA	1.1	IDENTIFY SOURCE(S) AND RESAMPLE, OR MITIGATE
SV-IA101	Tetrachloroethene	1090	50.9	MITIGATE
	Trichloroethene	106	1.1	MITIGATE
SV-IA102	Tetrachloroethene	139	50.9	MITIGATE
	Trichloroethene	1.2	1.1	IDENTIFY SOURCE(S) AND RESAMPLE, OR MITIGATE
SV-IA103	Tetrachloroethene	855	50.9	MITIGATE
	Trichloroethene	41.3	1.1	MITIGATE
SV-IA104	Tetrachloroethene	626	50.9	MITIGATE
	Trichloroethene	22.2	1.1	MITIGATE
SV-IA105	Tetrachloroethene	229	50.9	MITIGATE
	Trichloroethene	NA	1.1	IDENTIFY SOURCE(S) AND RESAMPLE, OR MITIGATE

Table 14
Former Coyne Textile Facility
140 Cortland Avenue
Remedial Investigation
Soil Waste Characterization Summary Table

Sampling Location		SOIL-WC100	SOIL-WC101
Sampling Date		4/19/2018	4/19/2018
Parameter	Units		
Percent Moisture	%	18.5	33.0
Benzene	mg/L	0.010	ND

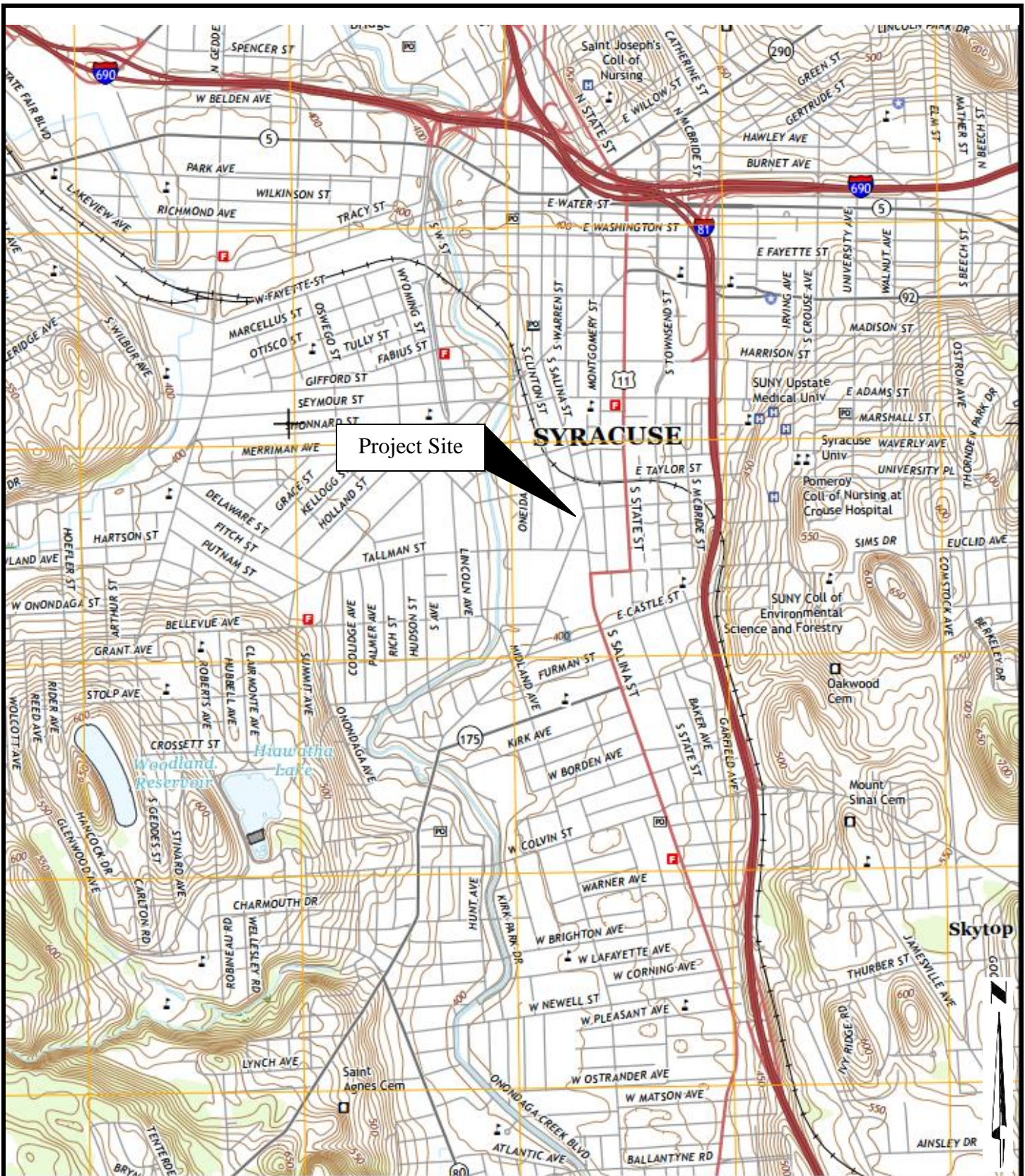
ND = Indicates the parameter was not detected in the corresponding sample

Table 15
Former Coyne Textile Facility
140 Cortland Avenue
Remedial Investigation
Groundwater Waste Characterization Summary Table

Sampling Location		GW-WC100	GW-WC101
Sampling Date		4/19/2018	4/19/2018
Parameter	Units		
Aluminum	µg/L	2830	337
Barium	µg/L	667	2150
Benzene	µg/L	15.9	60.4
Calcium	µg/L	179000	183000
Cyclohexane	µg/L	1.5	ND
Iron	µg/L	6570	3860
Isopropylbenzene (Cumene)	µg/L	11.9	ND
Lead	µg/L	31.7	ND
Magnesium	µg/L	114000	68900
Manganese	µg/L	810	418
Mercury	µg/L	0.25	ND
Methylcyclohexane	µg/L	2.4	ND
Nickel	µg/L	41.3	ND
Potassium	µg/L	20400	16400
Sodium	µg/L	347000	118000
Tetrachloroethene	µg/L	3.0	ND
Thallium	µg/L	17.2	10.4
Vinyl chloride	µg/L	3.9	ND
Zinc	µg/L	48.1	23.5
pH at 25 Degrees C	Std. Units	7.0	7.1

ND = Indicates the parameter was not detected in the corresponding sample

FIGURES



SOURCE: USGS MapViewer



300 South State Street, Suite 600, Syracuse, New York 13202
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NOT TO SCALE

DATE: October 2018

FIGURE 1
SITE LOCATION MAP
 140 CORTLAND AVE
 SYRACUSE,
 ONONDAGA COUNTY, NEW YORK



NOTE:
Site layout and characteristics generalized from previous investigations and historical data. All features are approximated and are NOT TO SCALE.

--- Site Boundary

[- -] Features

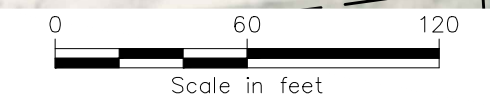
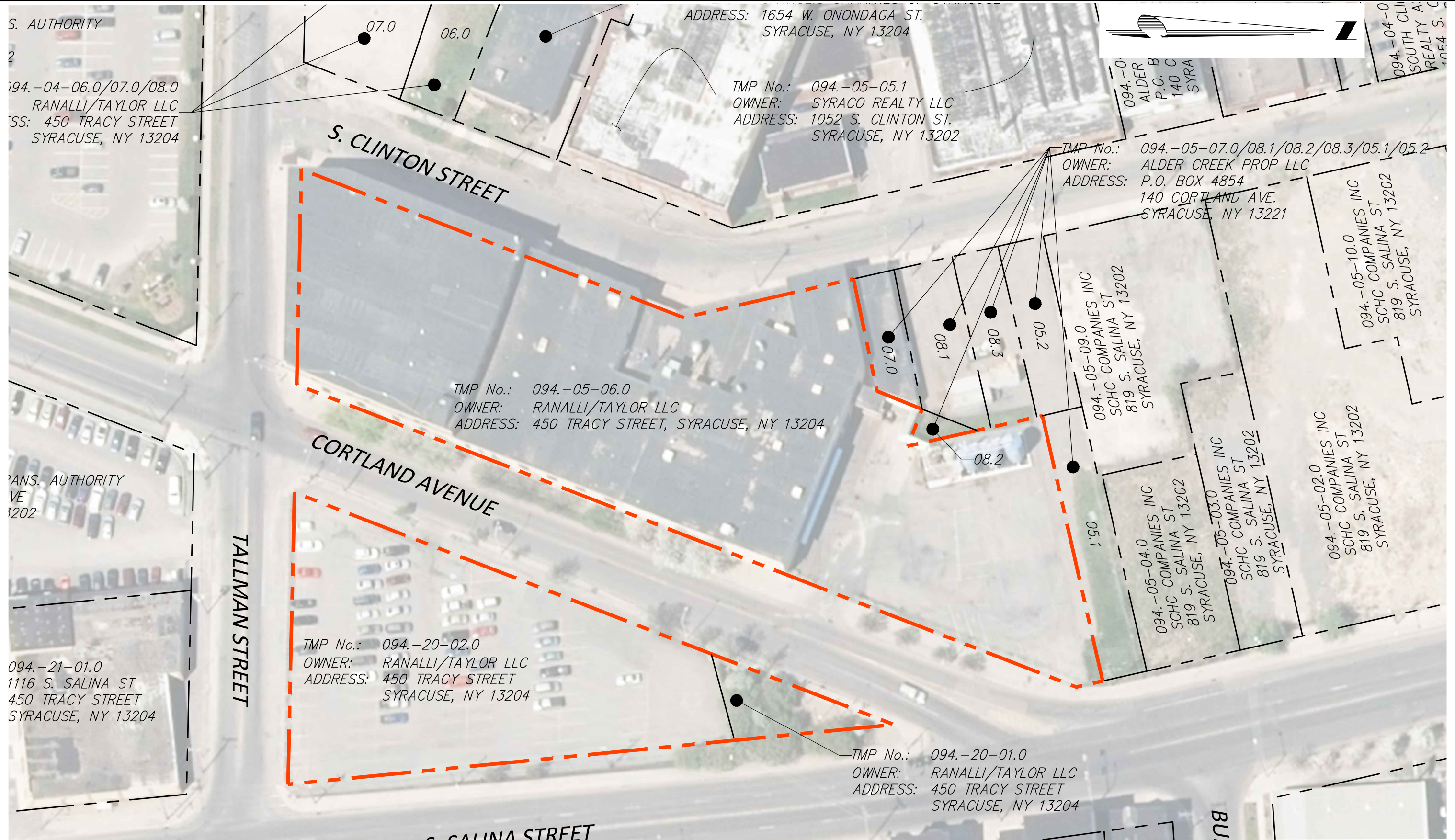


FIGURE 2
SITE LAYOUT
140 CORTLAND AVE
SYRACUSE
ONONDAGA COUNTY, NEW YORK

MAP NOT TO SCALE

DATE: October 2018

File: V:\PROJECTS\ANY\K4\33525\CADD\ACAD\ENVP\FIGURE 3 - TAX MAP.DWG Saved: 10/17/2018 12:36:25 PM Plotted: 10/17/2018 12:36:52 PM Current User: Miller, Samantha LastSavedBy: 4187

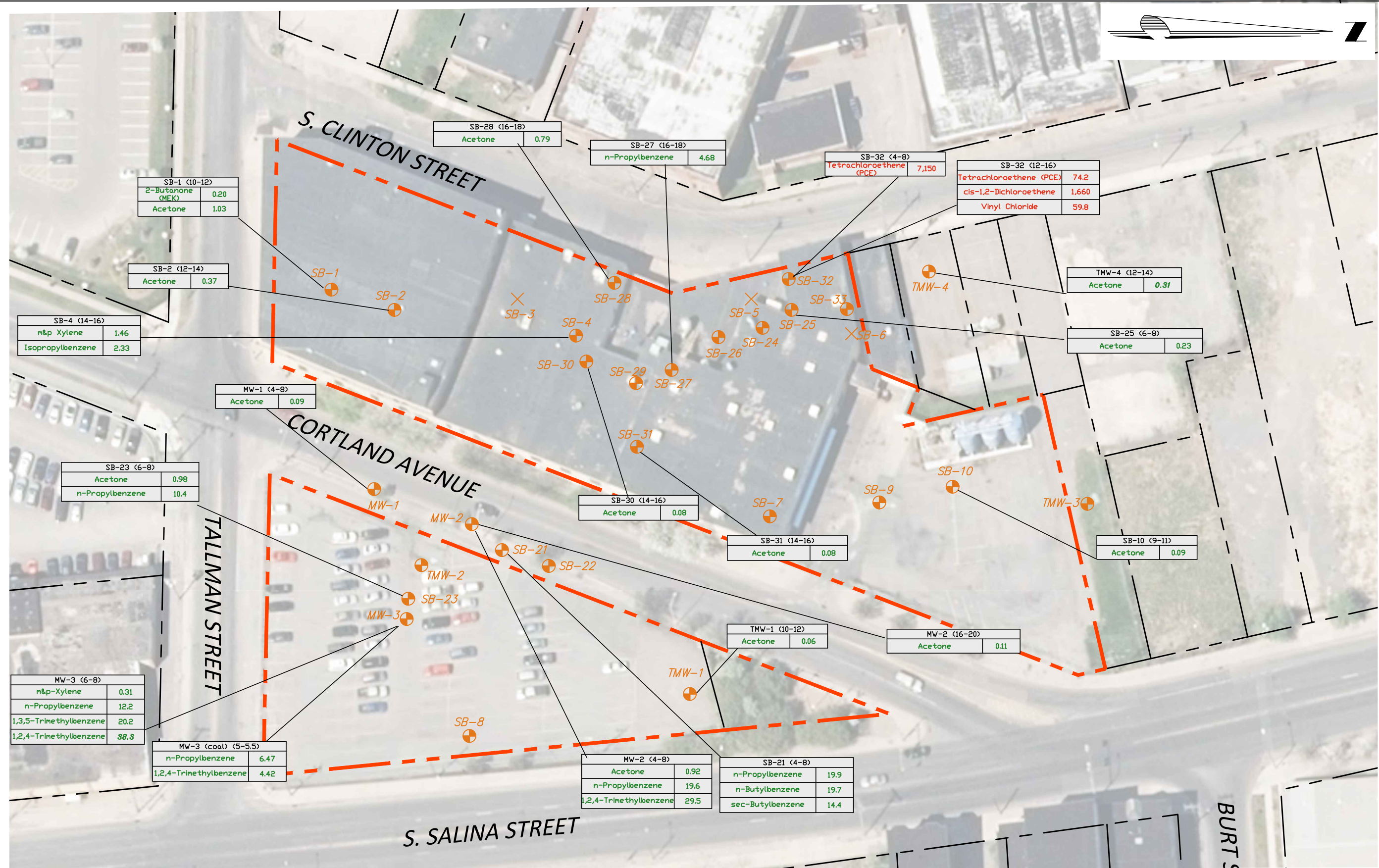


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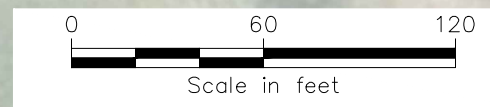
FORMER COYNE TEXTILE FACILITY
 140 CORTLAND AVE.
 SYRACUSE, NY 13202
 TAX MAP PARCELS

PROJECT NO. 33525
DATE: 10/2018
FIGURE 3



LEGEND:
 GZA 2014/2015 SOIL BORING LOCATIONS
 GZA 2014/2015 ATTEMPTED SOIL BORING
GREEN RESULTS EXCEED UNRESTRICTED SCDs
RED RESULTS EXCEED COMMERCIAL SCDs

SAMPLES COLLECTED BY GZA 2015-2016
 SAMPLE RESULTS LISTED IN mg/kg (PPM)
 ONLY SAMPLE RESULTS EXCEEDING NYSDEC PART 375 UNRESTRICTED AND COMMERCIAL SCDs ARE SHOWN

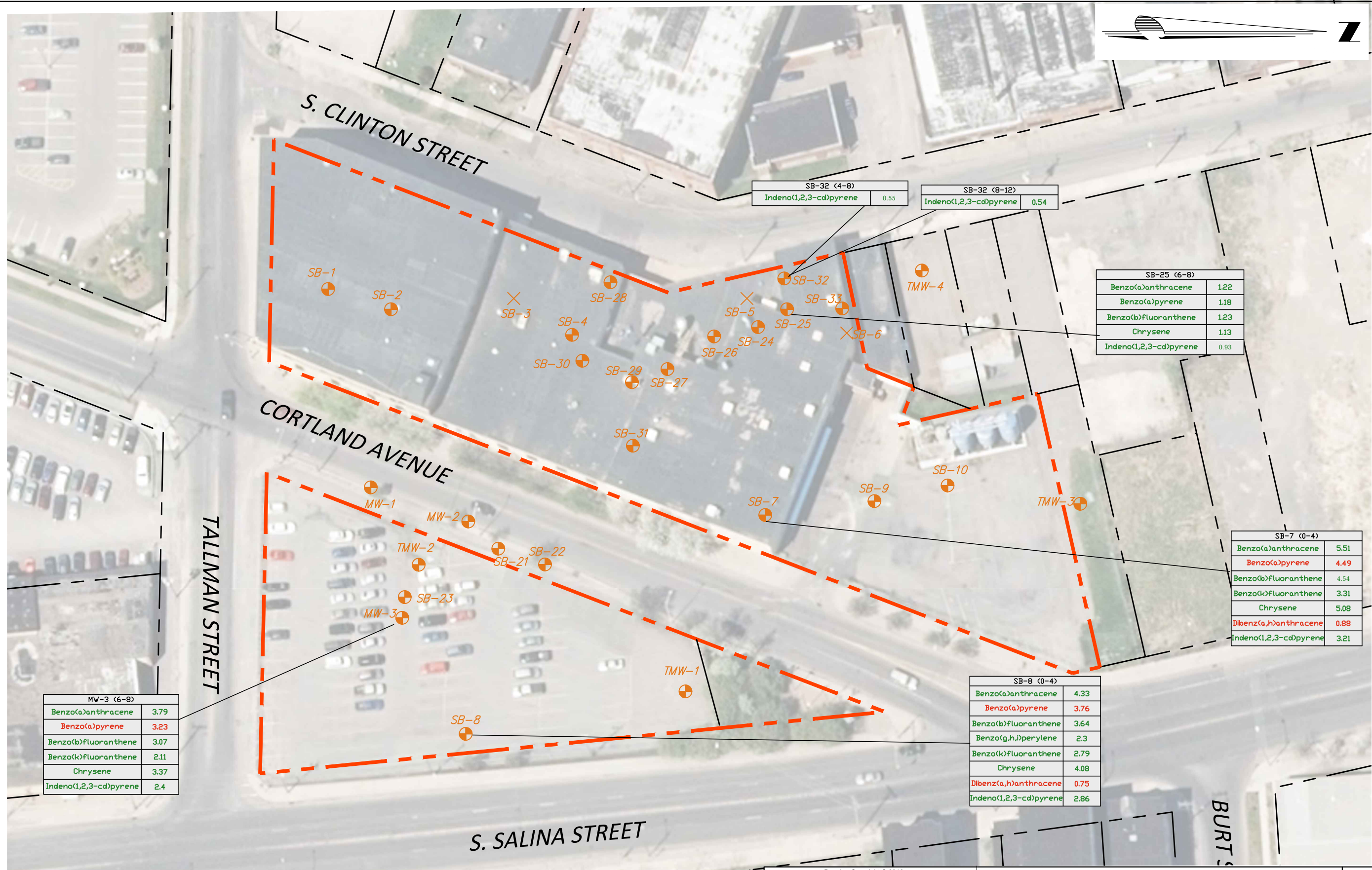


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FORMER COYNE TEXTILE FACILITY
 140 CORTLAND AVE.
 SYRACUSE, NY 13202
 HISTORIC SOIL ANALYTICAL RESULTS
 VOCs ONLY

PROJECT NO.
 33525
 DATE: 10/2018
 FIGURE 4



MW-3 (6-8)	
Benzo(a)anthracene	3.79
Benzo(a)pyrene	3.23
Benzo(b)fluoranthene	3.07
Benzo(k)fluoranthene	2.11
Chrysene	3.37
Indeno(1,2,3-cd)pyrene	2.4

SB-32 (4-8)	
Indeno(1,2,3-cd)pyrene	0.55

SB-32 (8-12)	
Indeno(1,2,3-cd)pyrene	0.54

SB-25 (6-8)	
Benzo(a)anthracene	1.22
Benzo(a)pyrene	1.18
Benzo(b)fluoranthene	1.23
Chrysene	1.13
Indeno(1,2,3-cd)pyrene	0.93

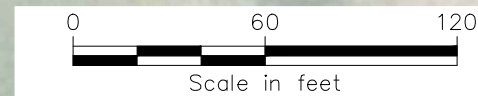
SB-7 (0-4)	
Benzo(a)anthracene	5.51
Benzo(a)pyrene	4.49
Benzo(b)fluoranthene	4.54
Benzo(k)fluoranthene	3.31
Chrysene	5.08
Dibenz(a,h)anthracene	0.88
Indeno(1,2,3-cd)pyrene	3.21

SB-8 (0-4)	
Benzo(a)anthracene	4.33
Benzo(a)pyrene	3.76
Benzo(b)fluoranthene	3.64
Benzo(g,h)perylene	2.3
Benzo(k)fluoranthene	2.79
Chrysene	4.08
Dibenz(a,h)anthracene	0.75
Indeno(1,2,3-cd)pyrene	2.86

LEGEND:

- ⊕ GZA 2014/2015 SOIL BORING LOCATIONS
- ✕ GZA 2014/2015 ATTEMPTED SOIL BORING
- GREEN RESULTS EXCEED UNRESTRICTED SCDs
- RED RESULTS EXCEED COMMERCIAL SCDs

SAMPLES COLLECTED BY GZA 2015-2016
 SAMPLE RESULTS LISTED IN mg/kg (PPM)
 ONLY SAMPLE RESULTS EXCEEDING NYSDEC
 PART 375 UNRESTRICTED AND COMMERCIAL
 SCDs ARE SHOWN

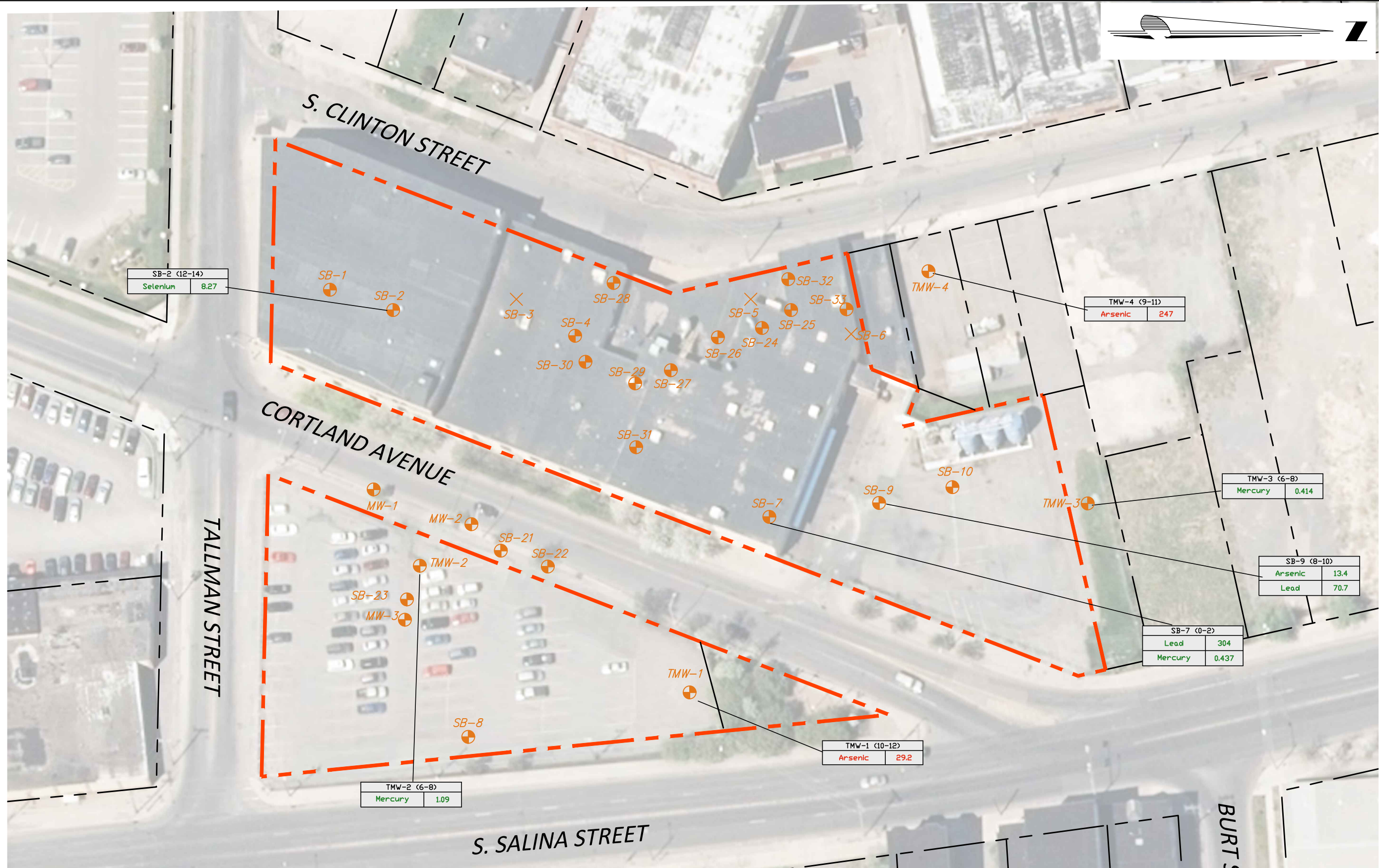


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 HISTORIC SOIL ANALYTICAL RESULTS
 SVOCs ONLY

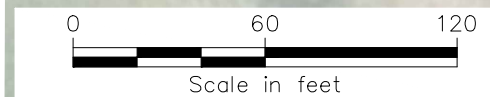
PROJECT NO.
 33525
 DATE: 10/2018
 FIGURE 5



LEGEND:

- ⊕ GZA 2014/2015 SOIL BORING LOCATIONS
- ✕ GZA 2014/2015 ATTEMPTED SOIL BORING
- GREEN RESULTS EXCEED UNRESTRICTED SCDs
- RED RESULTS EXCEED COMMERCIAL SCDs

SAMPLES COLLECTED BY GZA 2015-2016
 SAMPLE RESULTS LISTED IN mg/kg (PPM)
 ONLY SAMPLE RESULTS EXCEEDING NYSDEC
 PART 375 UNRESTRICTED AND COMMERCIAL
 SCDs ARE SHOWN

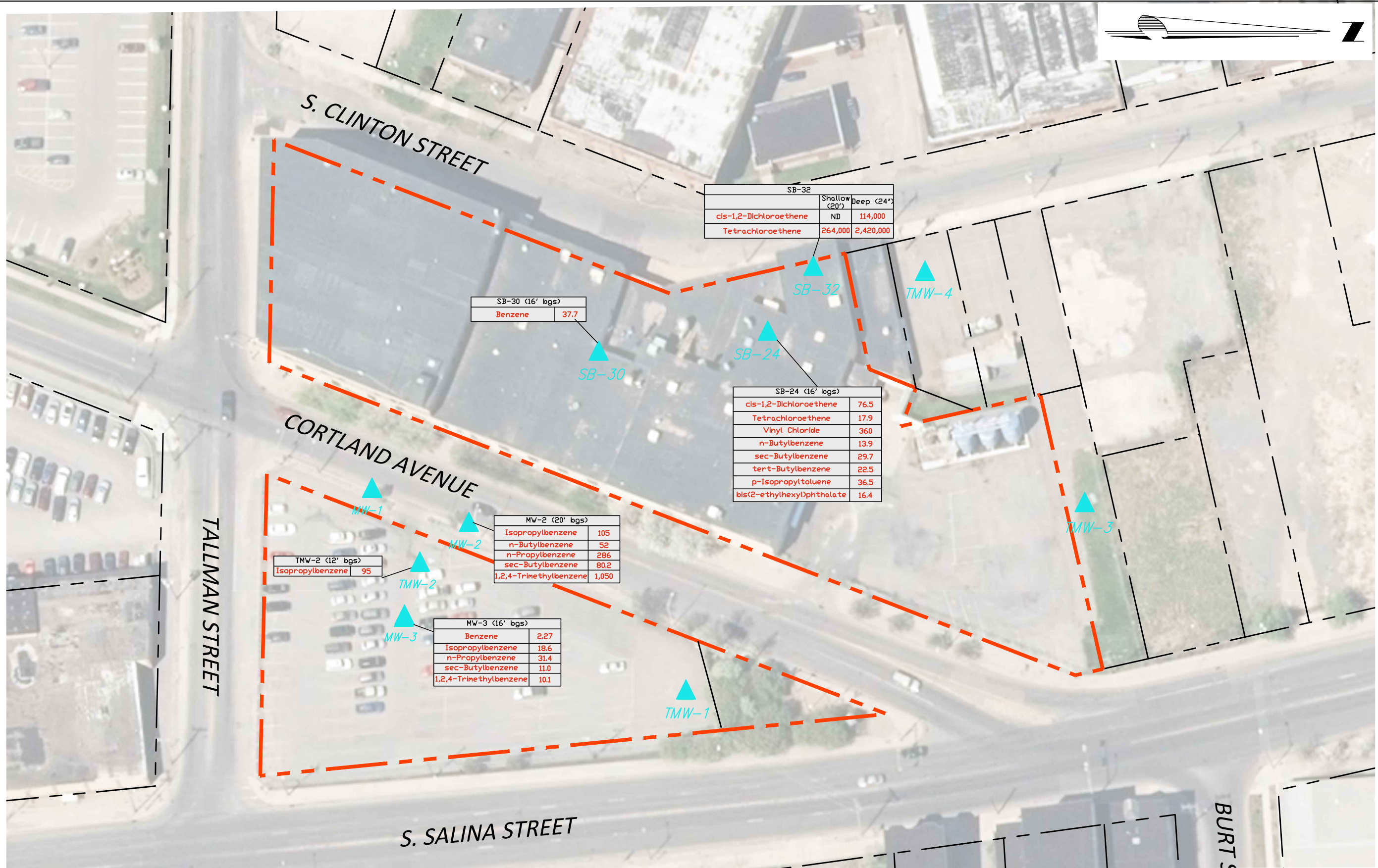


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 HISTORIC SOIL ANALYTICAL RESULTS
 METALS ONLY

PROJECT NO.
33525
 DATE: 10/2018
 FIGURE 6



	SB-32	
	Shallow (20')	Deep (24')
cis-1,2-Dichloroethene	ND	114,000
Tetrachloroethene	264,000	2,420,000

SB-30 (16' bgs)	
Benzene	37.7

SB-24 (16' bgs)	
cis-1,2-Dichloroethene	76.5
Tetrachloroethene	17.9
Vinyl Chloride	360
n-Butylbenzene	13.9
sec-Butylbenzene	29.7
tert-Butylbenzene	22.5
p-Isopropyltoluene	36.5
bis(2-ethylhexyl)phthalate	16.4

MW-2 (20' bgs)	
Isopropylbenzene	105
n-Butylbenzene	52
n-Propylbenzene	286
sec-Butylbenzene	80.2
1,2,4-Trimethylbenzene	1,050

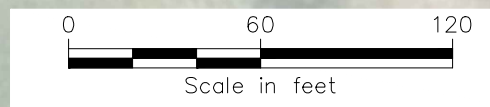
TMW-2 (12' bgs)	
Isopropylbenzene	95

MW-3 (16' bgs)	
Benzene	2.27
Isopropylbenzene	18.6
n-Propylbenzene	31.4
sec-Butylbenzene	11.0
1,2,4-Trimethylbenzene	10.1

LEGEND:

▲ GZA 2014/2015 GROUNDWATER WELL LOCATION
 SAMPLES COLLECTED BY GZA 2015-2016
 SAMPLE RESULTS ARE LISTED IN µg/m³ (ppb)

RED ITEMS EXCEED TOGS 1.1.1 CLASS GA LIMITATIONS
 ONLY RESULTS EXCEEDING TOGS 1.1.1 CLASS GA GROUNDWATER CRITERIA ARE SHOWN

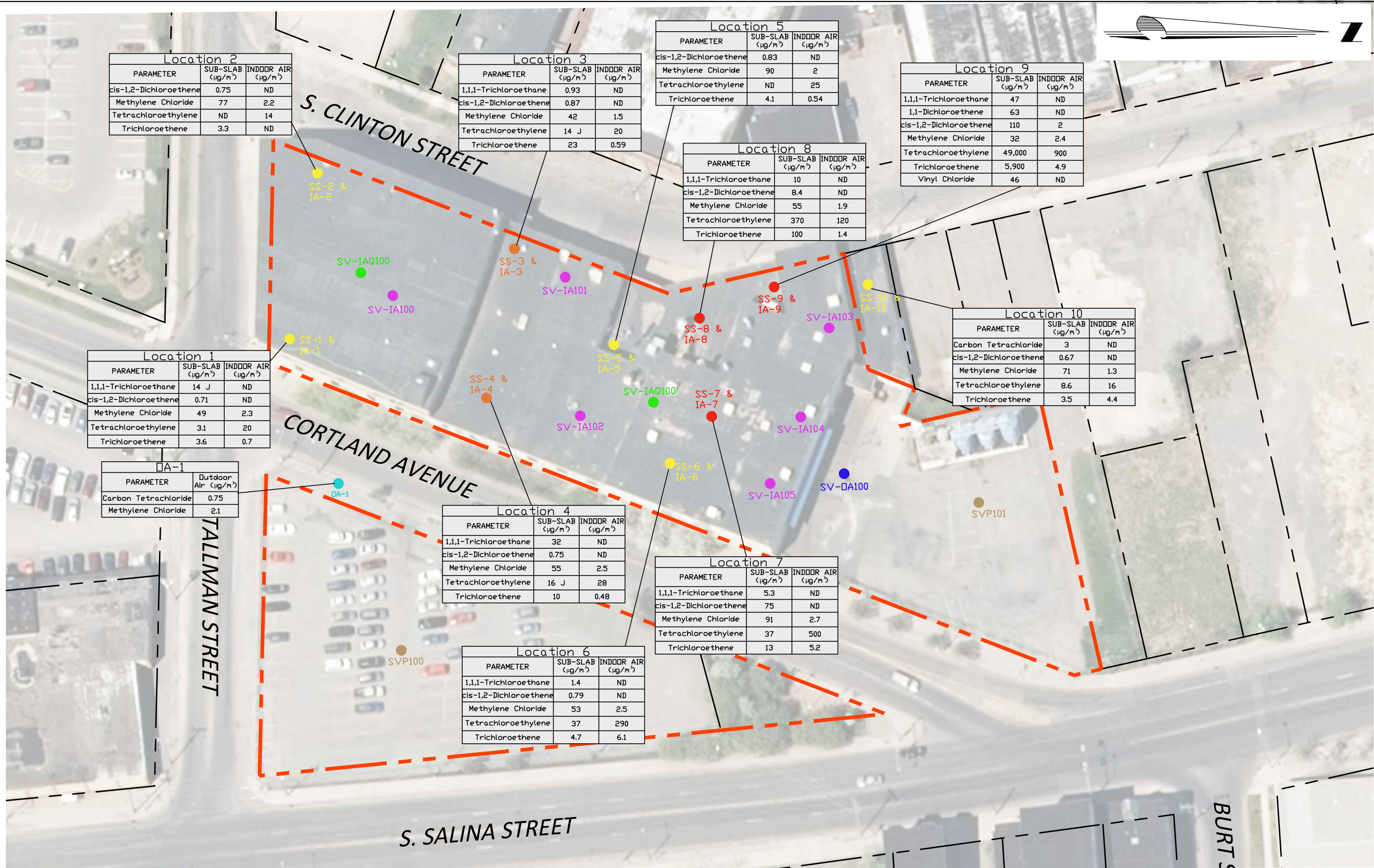


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 HISTORIC GROUNDWATER
 ANALYTICAL RESULTS

PROJECT NO.
 33525
 DATE: 10/2018
 FIGURE 7



Location 2

PARAMETER	SUB-SLAB (µg/m³)	INDOOR AIR (µg/m³)
cis-1,2-Dichloroethene	0.75	ND
Methylene Chloride	77	2.2
Tetrachloroethylene	ND	14
Trichloroethene	3.3	ND

Location 3

PARAMETER	SUB-SLAB (µg/m³)	INDOOR AIR (µg/m³)
1,1,1-Trichloroethane	0.93	ND
cis-1,2-Dichloroethene	0.87	ND
Methylene Chloride	42	1.5
Tetrachloroethylene	14 J	20
Trichloroethene	23	0.59

Location 5

PARAMETER	SUB-SLAB (µg/m³)	INDOOR AIR (µg/m³)
cis-1,2-Dichloroethene	0.83	ND
Methylene Chloride	90	2
Tetrachloroethylene	ND	25
Trichloroethene	4.1	0.54

Location 9

PARAMETER	SUB-SLAB (µg/m³)	INDOOR AIR (µg/m³)
1,1,1-Trichloroethane	47	ND
1,1-Dichloroethene	63	ND
cis-1,2-Dichloroethene	110	2
Methylene Chloride	32	2.4
Tetrachloroethylene	49,000	900
Trichloroethene	5,900	4.9
Vinyl Chloride	46	ND

Location 8

PARAMETER	SUB-SLAB (µg/m³)	INDOOR AIR (µg/m³)
1,1,1-Trichloroethane	10	ND
cis-1,2-Dichloroethene	8.4	ND
Methylene Chloride	55	1.9
Tetrachloroethylene	370	120
Trichloroethene	100	1.4

Location 10

PARAMETER	SUB-SLAB (µg/m³)	INDOOR AIR (µg/m³)
Carbon Tetrachloride	3	ND
cis-1,2-Dichloroethene	0.67	ND
Methylene Chloride	71	1.3
Tetrachloroethylene	8.6	16
Trichloroethene	3.5	4.4

Location 1

PARAMETER	SUB-SLAB (µg/m³)	INDOOR AIR (µg/m³)
1,1,1-Trichloroethane	14 J	ND
cis-1,2-Dichloroethene	0.71	ND
Methylene Chloride	49	2.3
Tetrachloroethylene	3.1	20
Trichloroethene	3.6	0.7

OA-1

PARAMETER	Outdoor Air (µg/m³)
Carbon Tetrachloride	0.75
Methylene Chloride	2.1

Location 4

PARAMETER	SUB-SLAB (µg/m³)	INDOOR AIR (µg/m³)
1,1,1-Trichloroethane	32	ND
cis-1,2-Dichloroethene	0.75	ND
Methylene Chloride	55	2.5
Tetrachloroethylene	16 J	28
Trichloroethene	10	0.48

Location 7

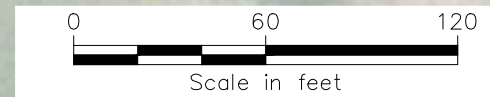
PARAMETER	SUB-SLAB (µg/m³)	INDOOR AIR (µg/m³)
1,1,1-Trichloroethane	5.3	ND
cis-1,2-Dichloroethene	75	ND
Methylene Chloride	91	2.7
Tetrachloroethylene	37	500
Trichloroethene	13	5.2

Location 6

PARAMETER	SUB-SLAB (µg/m³)	INDOOR AIR (µg/m³)
1,1,1-Trichloroethane	1.4	ND
cis-1,2-Dichloroethene	0.79	ND
Methylene Chloride	53	2.5
Tetrachloroethylene	37	290
Trichloroethene	4.7	6.1

LEGEND:

- GZA 2015 SUB-SLAB SOIL VAPOR (TPA)
 - GZA 2015 SUB-SLAB SOIL VAPOR (MONITOR)
 - GZA 2015 SUB-SLAB SOIL VAPOR (MITIGATE)
 - GZA 2015 OUTDOOR AIR
 - CHA RIWP SUB-SLAB INDOOR AIR
 - CHA RIWP SOIL VAPOR POINT
 - CHA RIWP OUTDOOR AIR
 - CHA RIWP Indoor Air Quality
- SAMPLES COLLECTED BY GZA 2015-2016



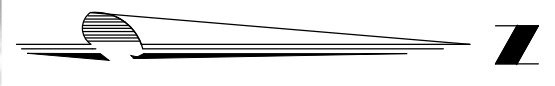
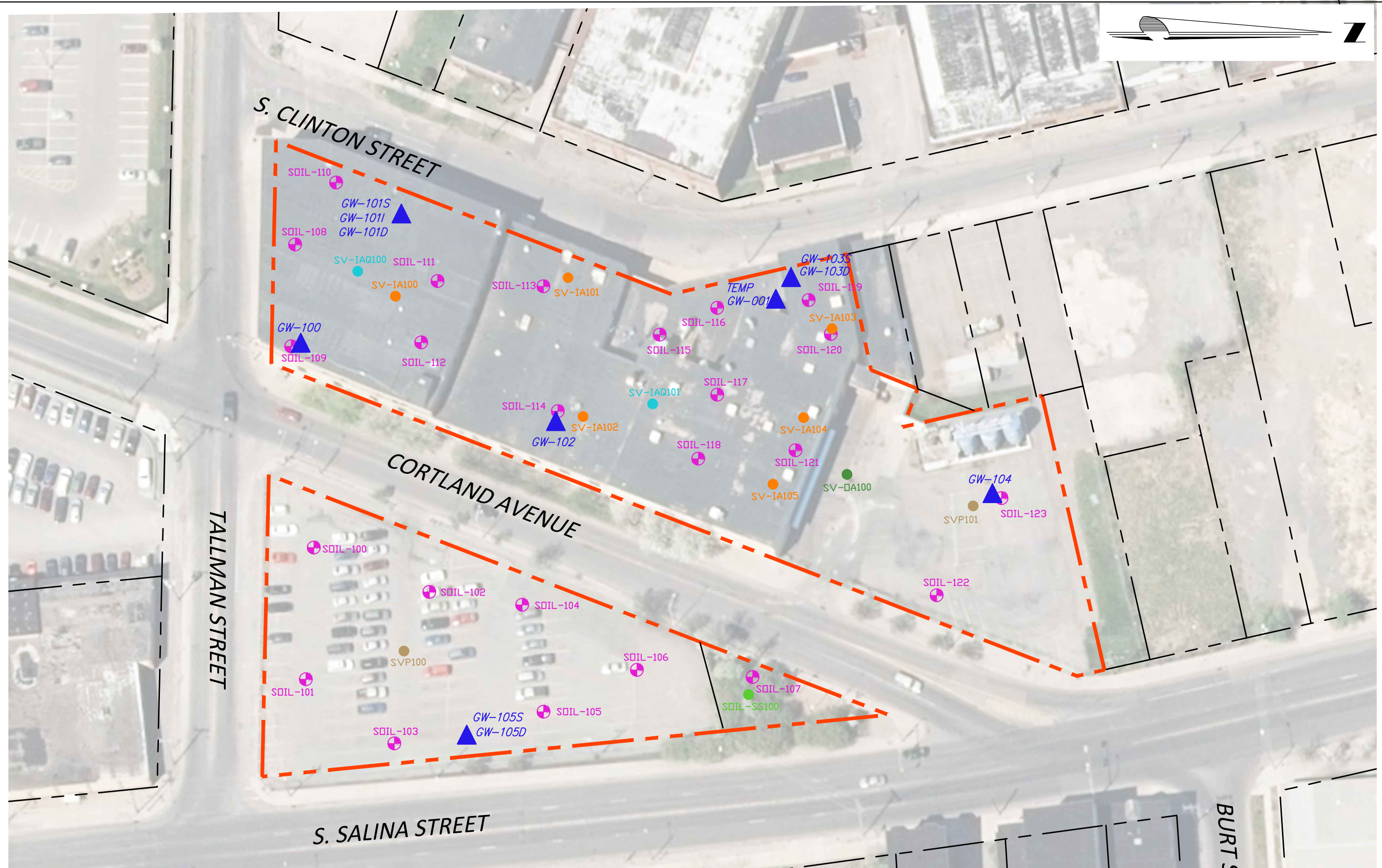
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 HISTORIC SOIL VAPOR
 ANALYTICAL RESULTS

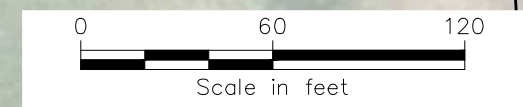
PROJECT NO.
 33525
 DATE: 10/2018
 FIGURE 8

File: V:\PROJECTS\ANY\K4\33525\CADD\ENVP\REMEDIATION\RI - SAMPLE LOCATION MAP.DWG
Saved: 9/20/2018 9:57:14 AM Plotted: 10/15/2018 3:24:28 PM Current User: Miller, Samantha LastSavedBy: 4187



LEGEND:

- CHA RI SURFACE SOIL SAMPLE
- CHA RI SOIL BORING LOCATIONS
- ▲ CHA RI MONITORING WELL LOCATIONS
- CHA RI SUB-SLAB INDOOR AIR
- CHA RI SOIL VAPOR POINT
- CHA RI OUTDOOR AIR
- CHA RI INDOOR AIR QUALITY



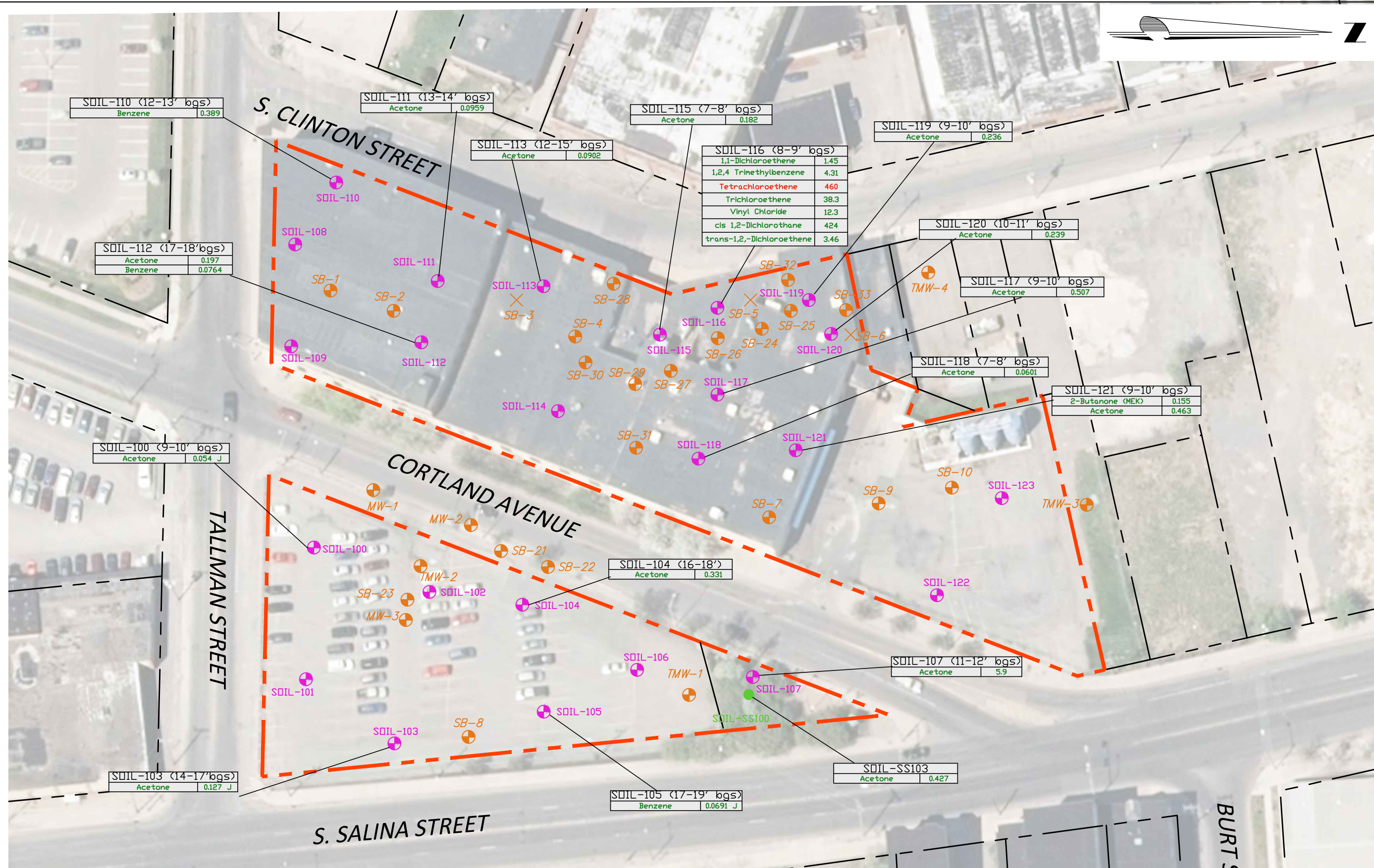
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REMEDIAL INVESTIGATION
SAMPLE LOCATION MAP

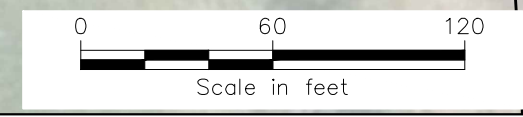
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33525
DATE: 10/2018
FIGURE 9

File: V:\PROJECTS\ANY\K4\33525\CADD\ENVP\REMEDIATION\SOIL - FORMER COYNE TEXTILE FACILITY_VOCs_RI.DWG
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LEGEND:
 ● GZA 2014/2015 SOIL BORING LOCATIONS
 ✕ GZA 2014/2015 ATTEMPTED SOIL BORING
 ● CHA RIWP SOIL BORING LOCATIONS
 ● CHA RIWP SURFACE SOIL SAMPLE
 J - ESTIMATED VALUE

SAMPLES COLLECTED BY CHA APRIL 2018
 SAMPLE RESULTS LISTED IN mg/kg (PPM)
 GREEN RESULTS EXCEED UNRESTRICTED SCDs
 RED RESULTS EXCEED COMMERCIAL SCDs
 ONLY SAMPLE RESULTS EXCEEDING NYSDEC
 PART 375 UNRESTRICTED AND COMMERCIAL
 SCDs ARE SHOWN



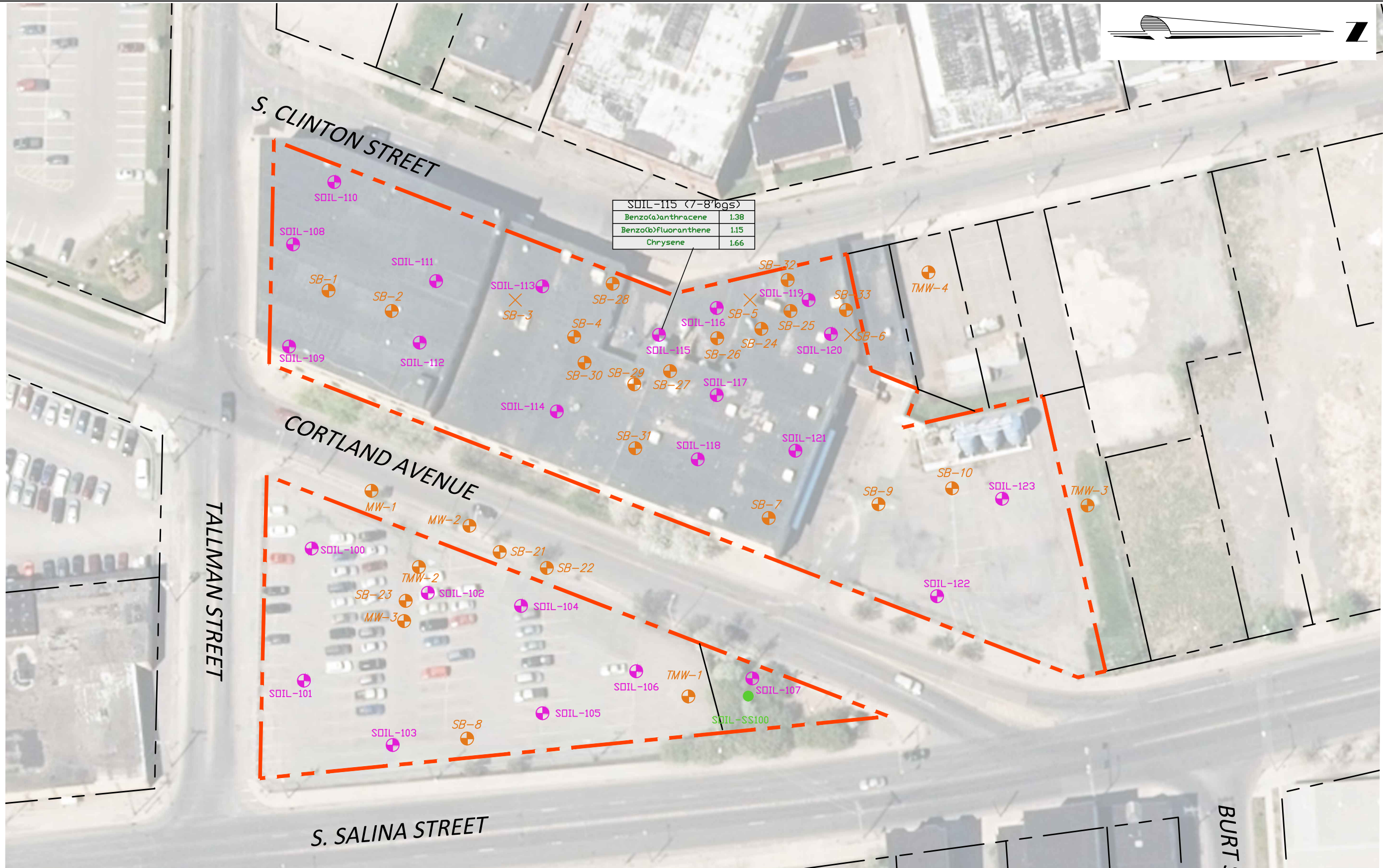
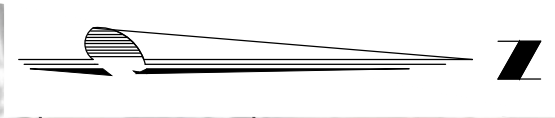
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 REMEDIAL INVESTIGATION SOIL
 ANALYTICAL RESULTS - VOCs ONLY

PROJECT NO.
 33525
 DATE: 10/2018
 FIGURE 10

File: V:\PROJECTS\ANY\K4\33525\CADD\ACAD\ENVP\REMEDIAL INVESTIGATION\SOIL - FORMER COYNE TEXTILE FACILITY_SVOCs_RI.DWG
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SOIL-115 (7-8' bgs)	
Benzo(a)anthracene	1.38
Benzo(b)fluoranthene	1.15
Chrysene	1.66

LEGEND:

- ⊕ GZA 2014/2015 SOIL BORING LOCATIONS
- ⊗ GZA 2014/2015 ATTEMPTED SOIL BORING
- ⊕ CHA RIWP SOIL BORING LOCATIONS
- ⊕ CHA RIWP SURFACE SOIL SAMPLE

SAMPLES COLLECTED BY CHA APRIL 2018
 SAMPLE RESULTS LISTED IN mg/kg (PPM)
GREEN RESULTS EXCEED UNRESTRICTED SCDs
RED RESULTS EXCEED COMMERCIAL SCDs
 ONLY SAMPLE RESULTS EXCEEDING NYSDEC
 PART 375 UNRESTRICTED AND COMMERCIAL
 SCDs ARE SHOWN



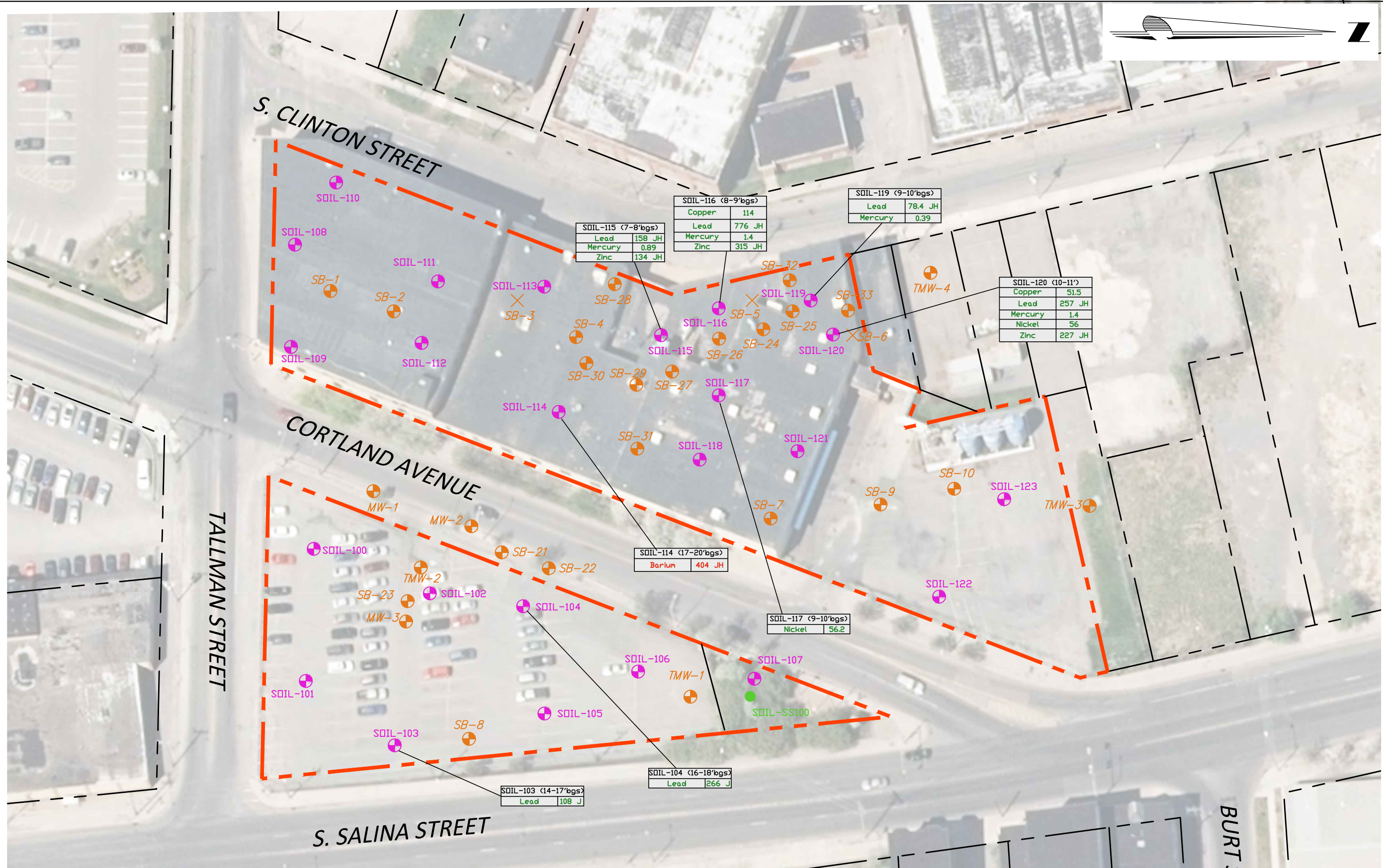
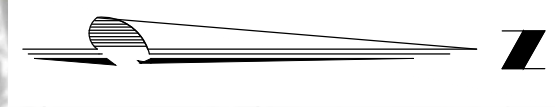
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 REMEDIAL INVESTIGATION SOIL
 ANALYTICAL RESULTS - SVOCs ONLY

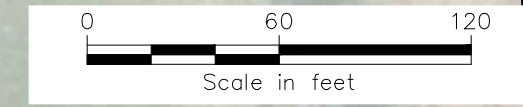
PROJECT NO.
 33525
 DATE: 10/2018
 FIGURE 11

File: V:\PROJECTS\ANY\K4\33525\CADD\ACAD\ENVP\REMEDIAL_INVESTIGATION\SOIL - FORMER COYNE TEXTILE FACILITY_METALS_R1.DWG
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LEGEND:
 ● GZA 2014/2015 SOIL BORING LOCATIONS
 ✕ GZA 2014/2015 ATTEMPTED SOIL BORING
 ● CHA RIWP SOIL BORING LOCATIONS
 ● CHA RIWP SURFACE SOIL SAMPLE
 J - ESTIMATED VALUE
 JH - ESTIMATED HIGH VALUE

SAMPLES COLLECTED BY CHA APRIL 2018
 SAMPLE RESULTS LISTED IN mg/kg (PPM)
 GREEN RESULTS EXCEED UNRESTRICTED SCDs
 RED RESULTS EXCEED COMMERCIAL SCDs
 ONLY SAMPLE RESULTS EXCEEDING NYSDEC
 PART 375 UNRESTRICTED AND COMMERCIAL
 SCDs ARE SHOWN



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 REMEDIAL INVESTIGATION SOIL
 ANALYTICAL RESULTS - METALS ONLY

PROJECT NO.
 33525
 DATE: 10/2018
 FIGURE 12

SOIL-115 (7-8' bgs)

Lead	158 JH
Mercury	0.89
Zinc	134 JH

SOIL-116 (8-9' bgs)

Copper	114
Lead	776 JH
Mercury	1.4
Zinc	315 JH

SOIL-119 (9-10' bgs)

Lead	78.4 JH
Mercury	0.39

SOIL-120 (10-11')

Copper	51.5
Lead	257 JH
Mercury	1.4
Nickel	56
Zinc	227 JH

SOIL-114 (17-20' bgs)

Barium	404 JH
--------	--------

SOIL-117 (9-10' bgs)

Nickel	56.2
--------	------

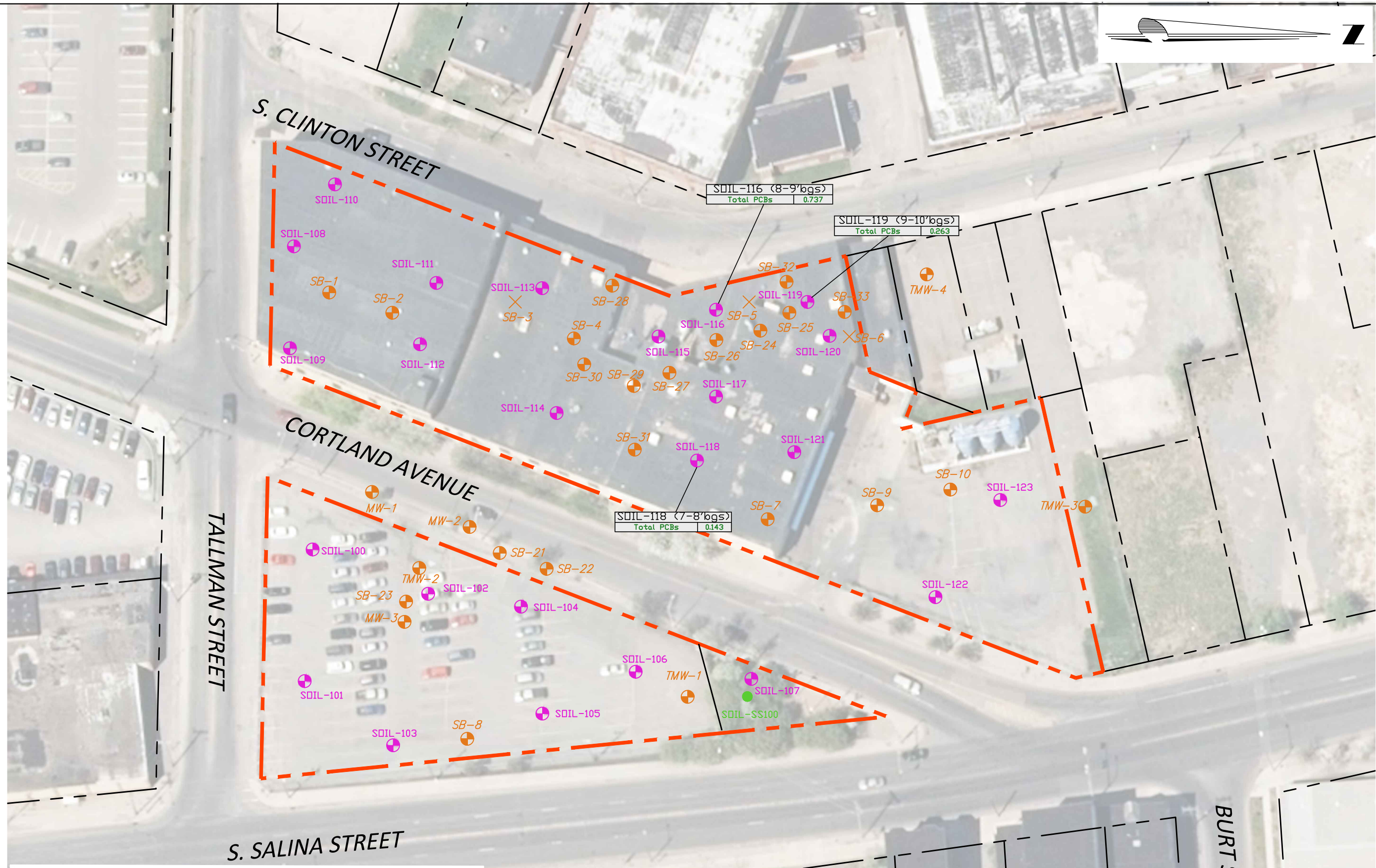
SOIL-104 (16-18' bgs)

Lead	266 J
------	-------

SOIL-103 (14-17' bgs)

Lead	108 J
------	-------

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LEGEND:

- ⊕ GZA 2014/2015 SOIL BORING LOCATIONS
- ✕ GZA 2014/2015 ATTEMPTED SOIL BORING
- ⊕ CHA RIWP SOIL BORING LOCATIONS
- CHA RIWP SURFACE SOIL SAMPLE

SAMPLES COLLECTED BY CHA APRIL 2018
 SAMPLE RESULTS LISTED IN mg/kg (PPM)
GREEN RESULTS EXCEED UNRESTRICTED SCDs
RED RESULTS EXCEED COMMERCIAL SCDs
 ONLY SAMPLE RESULTS EXCEEDING NYSDEC
 PART 375 UNRESTRICTED AND COMMERCIAL
 SCDs ARE SHOWN



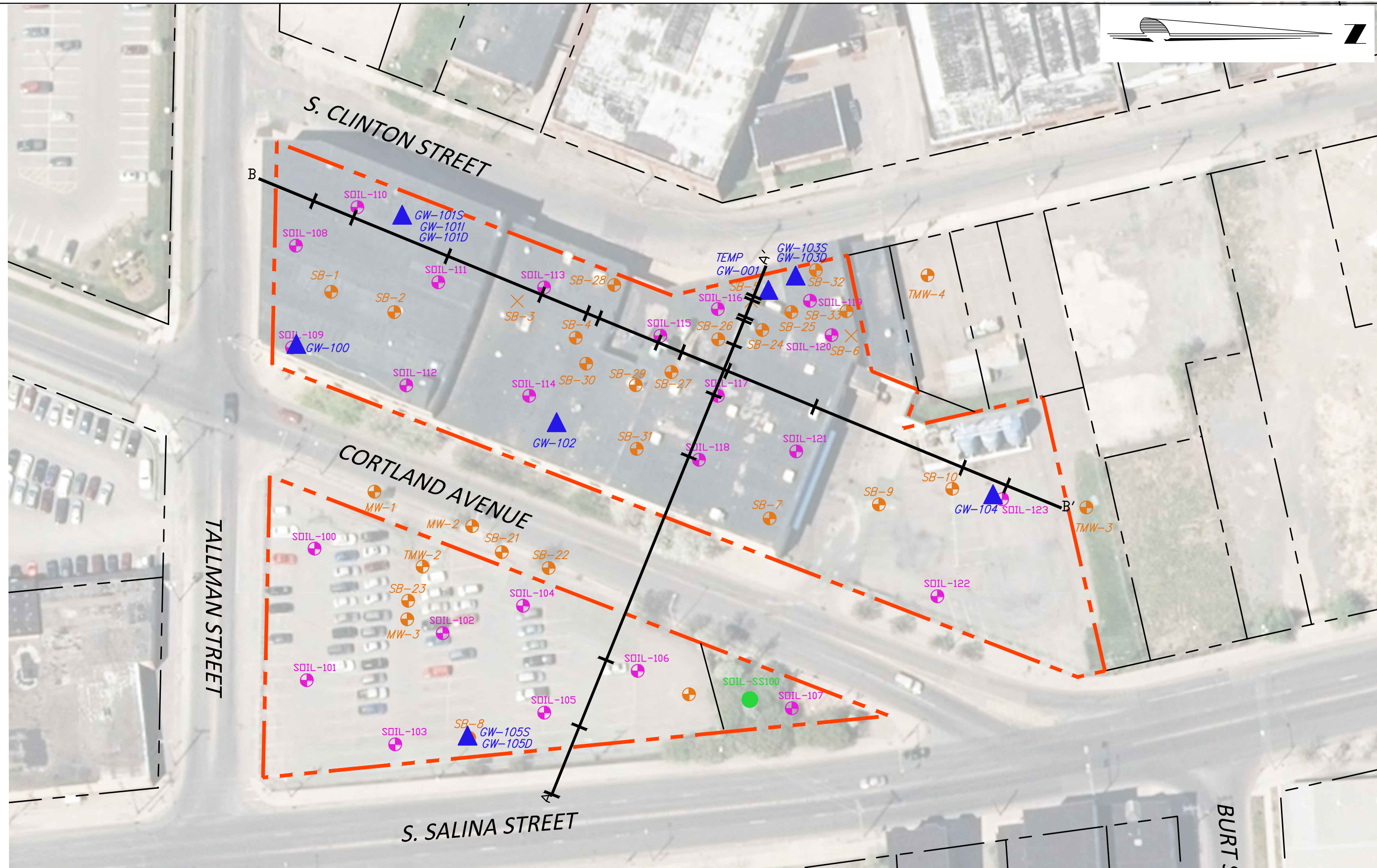
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 REMEDIAL INVESTIGATION SOIL
 ANALYTICAL RESULTS - PCBs ONLY

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 DATE: 10/2018
 FIGURE 13

File: V:\PROJECTS\ANY\K4\33525\CADD\FIGURE 1 - CROSS SECTION A-A.DWG Saved: 9/20/2018 11:28:28 AM Plotted: 10/16/2018 10:48:25 AM Current User: Miller, Samantha LastSavedBy: 4187



GZA 2014/2015 Soil Boring Locations

LEGEND:

- GZA 2014/2015 Soil Boring Locations
- CHA 2017 RI Soil Boring Locations
- ✕ GZA 2014/2015 Attempted Soil Boring
- CHA 2017 RI Surface Soil Sample Location



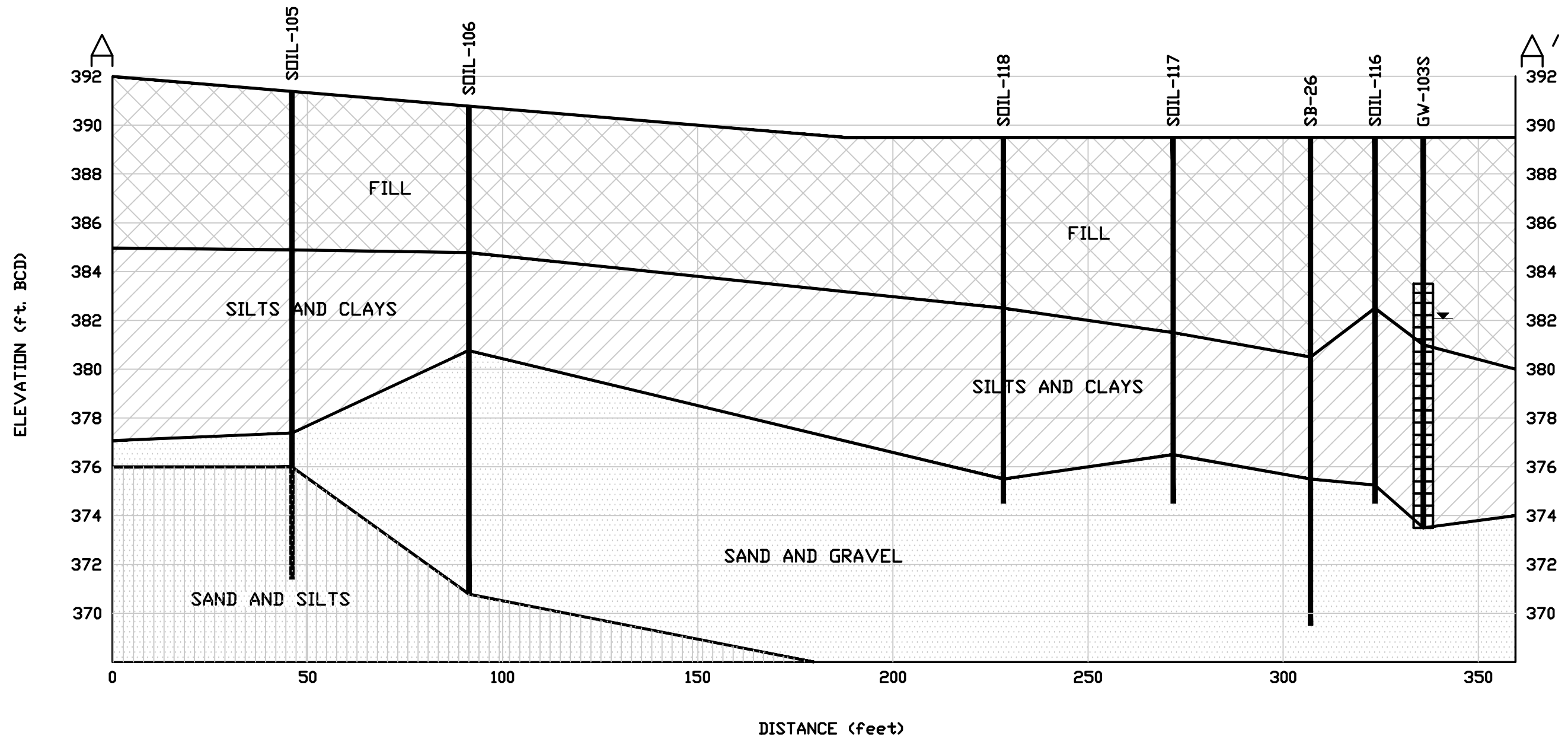
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REMEDIAL INVESTIGATION
CROSS SECTION REFERENCE MAP

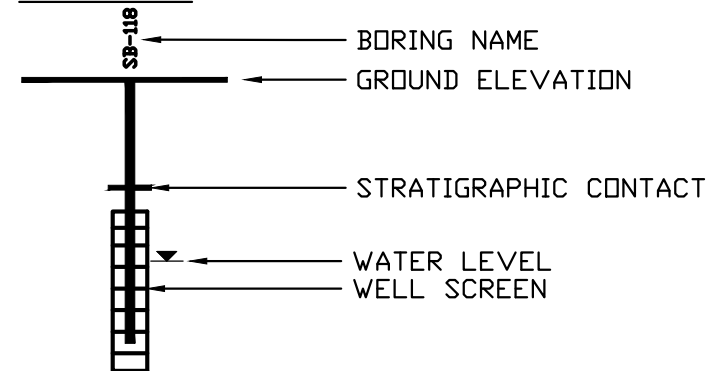
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DATE: 10/2018
FIGURE 14

File: V:\PROJECTS\ANY\4\3525\CADD\FIGURE 1 - CROSS SECTION A-A'.DWG Saved: 9/20/2018 11:28:28 AM Plotted: 10/16/2018 10:56:47 AM Current User: Miller, Samantha LastSavedBy: 4187



SECTION A-A'

LEGEND



NOTES:

1. ALL BORING LOCATIONS ARE APPROXIMATE
2. STRATIGRAPHIC CONTACTS DASHED WHERE APPROXIMATE
3. SURFACE ELEVATIONS ARE APPROXIMATE



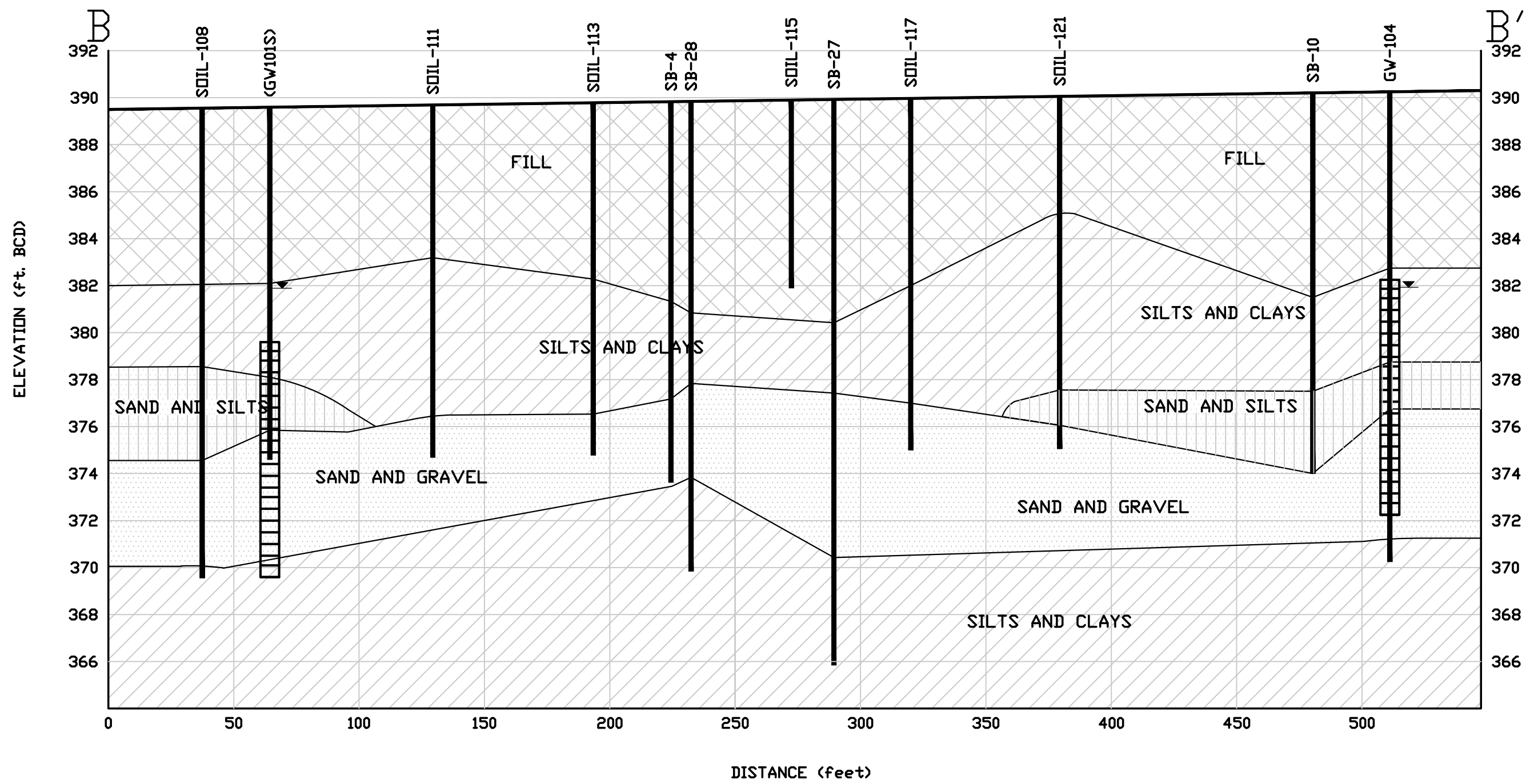
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REMEDIAL INVESTIGATION
CROSS SECTION A-A'

PROJECT NO.
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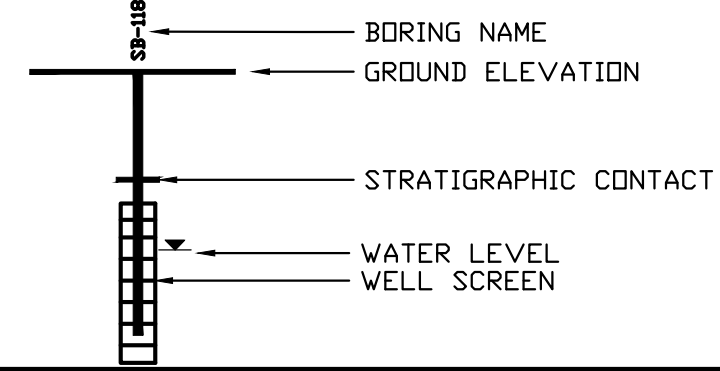
DATE: 10/2018

FIGURE 15

File: V:\PROJECTS\ANY\4\3525\CADD\FIGURE 1 - CROSS SECTION A-A.DWG Saved: 9/20/2018 11:28:28 AM Plotted: 10/16/2018 10:54:23 AM Current User: Miller, Samantha LastSavedBy: 4187



LEGEND



NOTES:

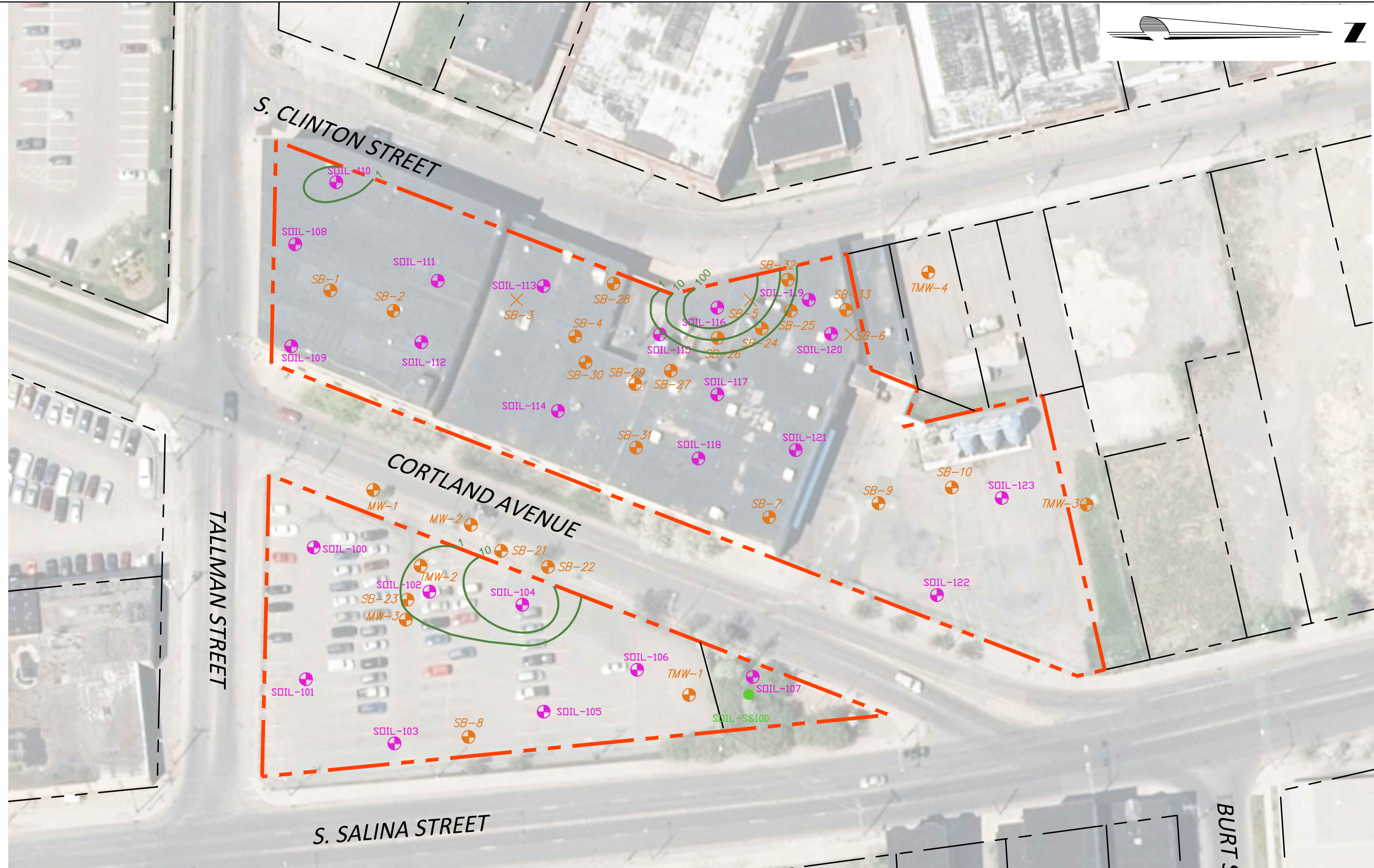
1. ALL BORING LOCATIONS ARE APPROXIMATE
2. STRATIGRAPHIC CONTACTS DASHED WHERE APPROXIMATE
3. SURFACE ELEVATIONS ARE APPROXIMATE



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CROSS SECTION B-B'

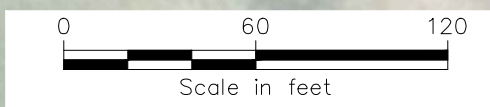
PROJECT NO. 33525
DATE: 10/2018
FIGURE 16

File: V:\PROJECTS\ANY\K4\33525\CADD\ENVP\REMEDIATION\SOIL - FORMER COYNE TEXTILE FACILITY_ISOPLETH_VOCS.DWG
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LEGEND:

- GZA 2014/2015 SOIL BORING LOCATIONS
- ✕ GZA 2014/2015 ATTEMPTED SOIL BORING
- CHA RIWP SOIL BORING LOCATIONS
- CHA RIWP SURFACE SOIL SAMPLE
- TOTAL VOC CONCENTRATIONS (PPM)



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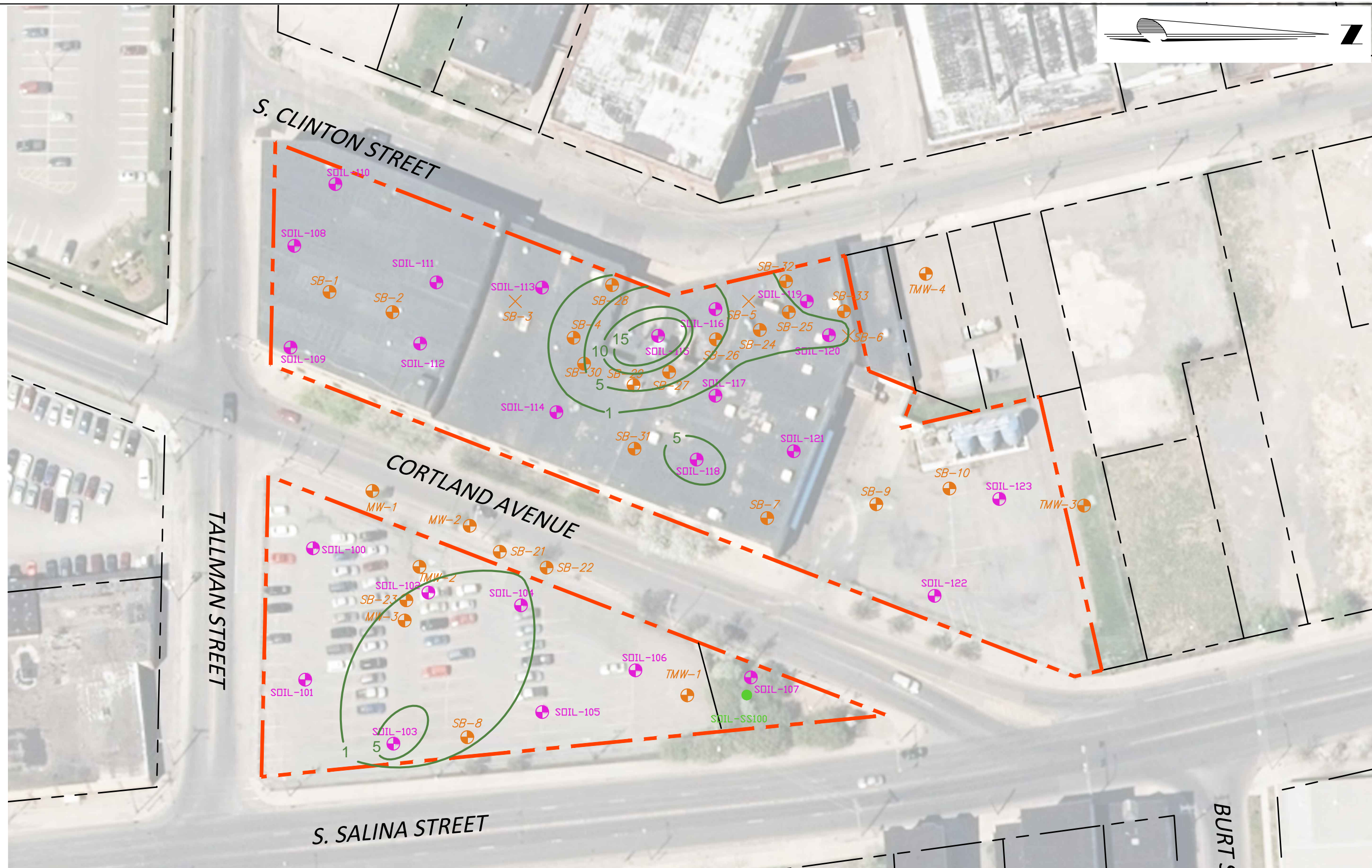
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 REMEDIATION INVESTIGATION
 ISOCONCENTRATION CONTOURS
 FOR TOTAL VOCs IN SOIL

PROJECT NO.
 33525

DATE: 10/2018

FIGURE 17

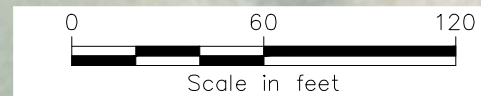
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LEGEND:

- GZA 2014/2015 SOIL BORING LOCATIONS
- ✕ GZA 2014/2015 ATTEMPTED SOIL BORING
- CHA RIWP SOIL BORING LOCATIONS
- CHA RIWP SURFACE SOIL SAMPLE

TOTAL VOC CONCENTRATIONS (PPM)



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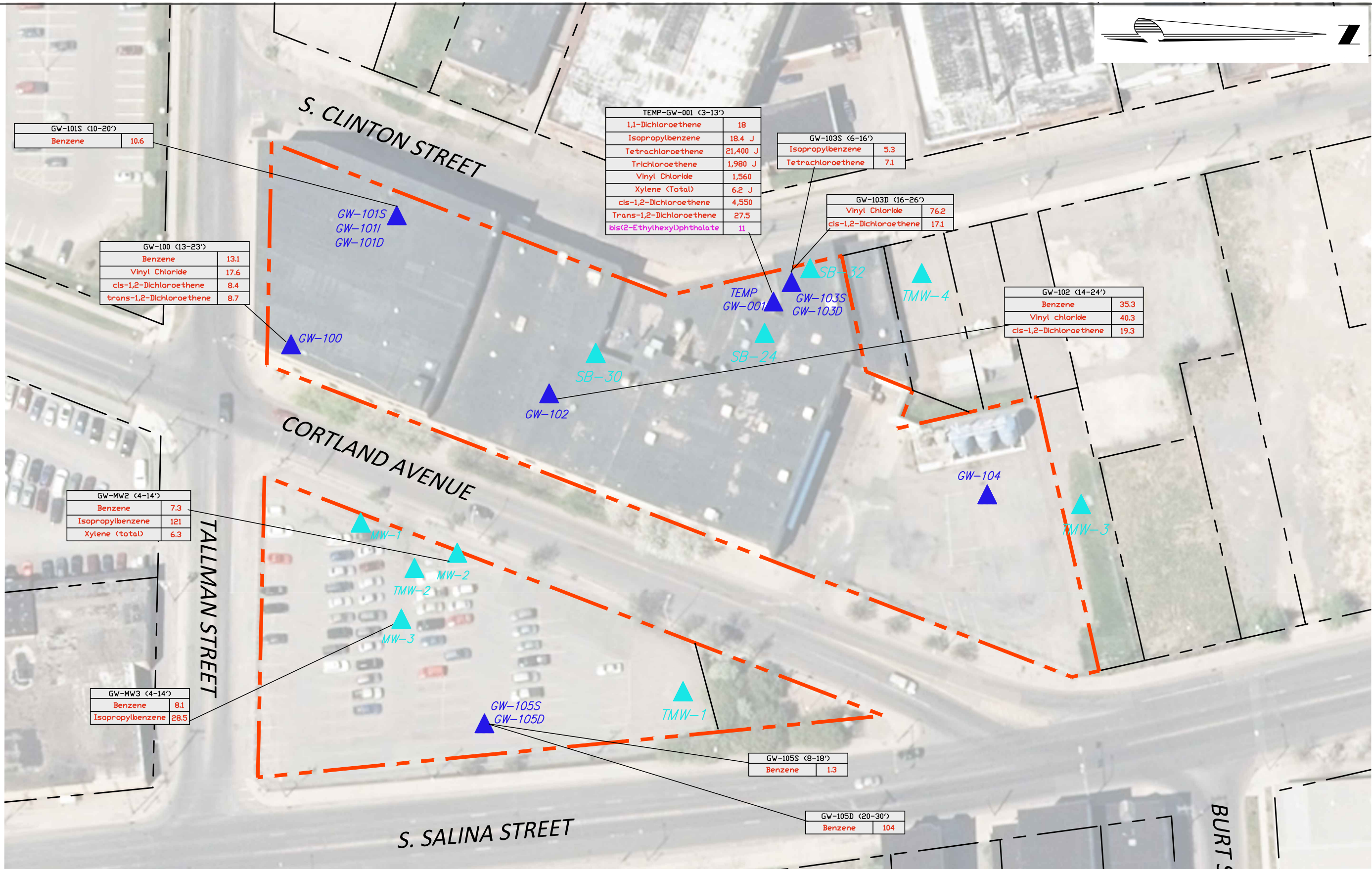


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REMEDIAL INVESTIGATION
ISOCONCENTRATION CONTOURS
FOR TOTAL SVOCs IN SOIL

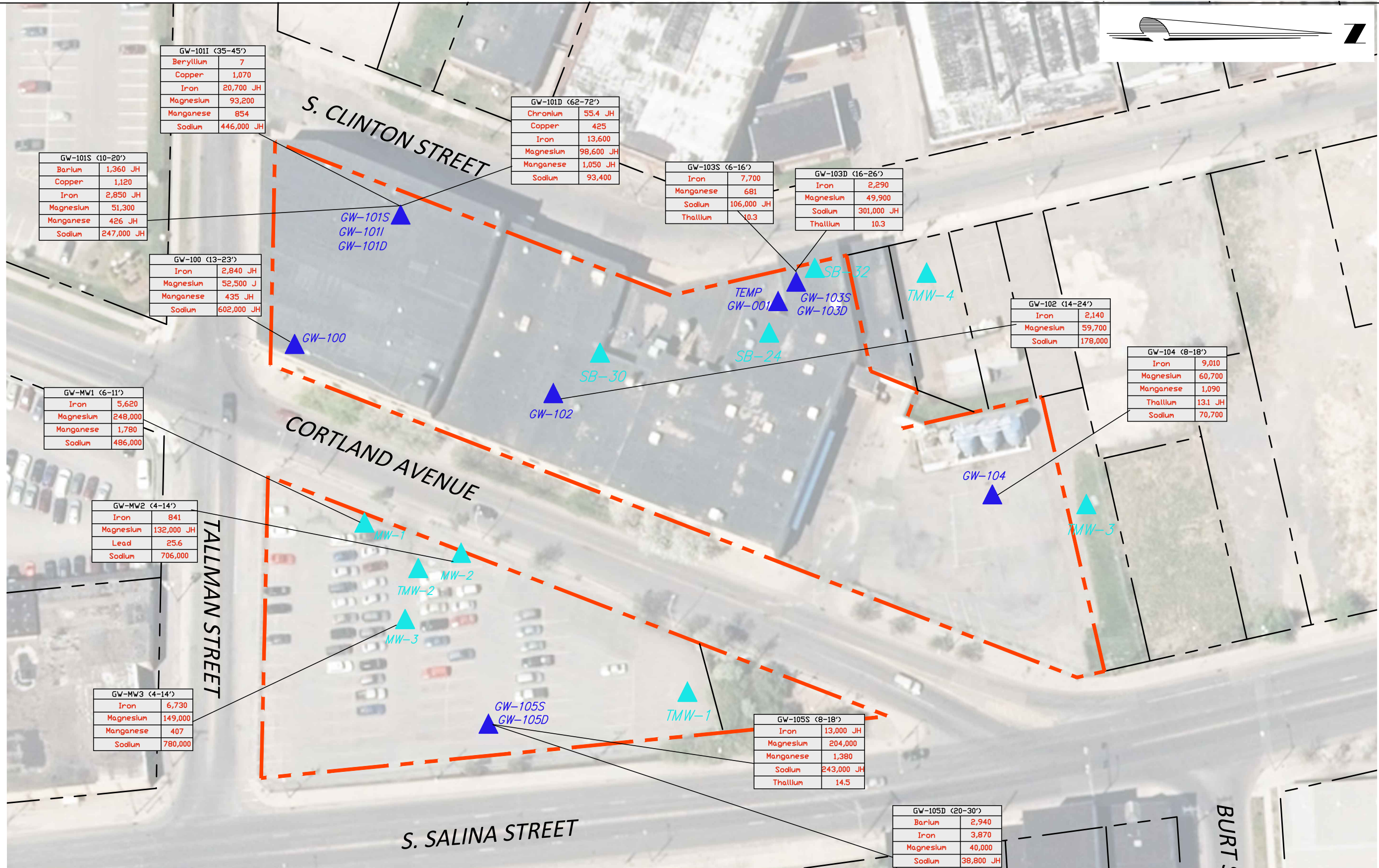
PROJECT NO.
33525

DATE: 10/2018

FIGURE 18



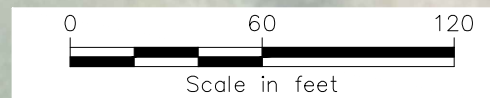
<p>LEGEND:</p> <p>▲ GZA 2014/2015 GROUNDWATER WELL LOCATION</p> <p>▲ CHA RIWP GROUNDWATER WELL LOCATION</p> <p>SAMPLES COLLECTED BY CHA APRIL 2018</p> <p>J - ESTIMATED VALUE</p>	<p>SAMPLE RESULTS ARE LISTED IN µg/m³ (ppb)</p> <p>RED ITEMS EXCEED TOGS 1.1.1 CLASS GA LIMITATIONS FOR VOCs</p> <p>PURPLE ITEMS EXCEED TOGS 1.1.1 CLASS GA LIMITATIONS FOR SVOCs</p> <p>ONLY SAMPLE RESULTS EXCEEDING TOGS 1.1.1 CLASS GA GROUNDWATER CRITERIA ARE SHOWN</p>	<p>0 60 120</p> <p>Scale in feet</p>	<p>Drawing Copyright © 2016</p> <p>300 South State Street - Suite 600 Syracuse, NY 13202 315.471.3920 • www.chacompanies.com</p>	<p>FORMER COYNE TEXTILE FACILITY 140 CORTLAND AVE. SYRACUSE, NY 13202 REMEDIAL INVESTIGATION GROUNDWATER ANALYTICAL RESULTS VOCs AND SVOCs ONLY</p>	<p>PROJECT NO. 33525</p> <hr/> <p>DATE: 2/2019</p> <hr/> <p>FIGURE 19</p>
--	--	--	--	---	---



LEGEND:

- ▲ GZA 2014/2015 GROUNDWATER WELL LOCATION
- ▲ CHA RIWP GROUNDWATER WELL LOCATION
- SAMPLES COLLECTED BY CHA MAY 2018
- J - ESTIMATED VALUE

JH - ESTIMATED HIGH VALUE
 SAMPLE RESULTS ARE LISTED IN $\mu\text{g}/\text{m}^3$ (ppb)
RED ITEMS EXCEED TOGS 1.1 AMBIENT WATER QUALITY CLASS GA STANDARDS AND GUIDANCE VALUES
 ONLY SAMPLE RESULTS EXCEEDING TOGS 1.1 CLASS GA GROUNDWATER CRITERIA ARE SHOWN



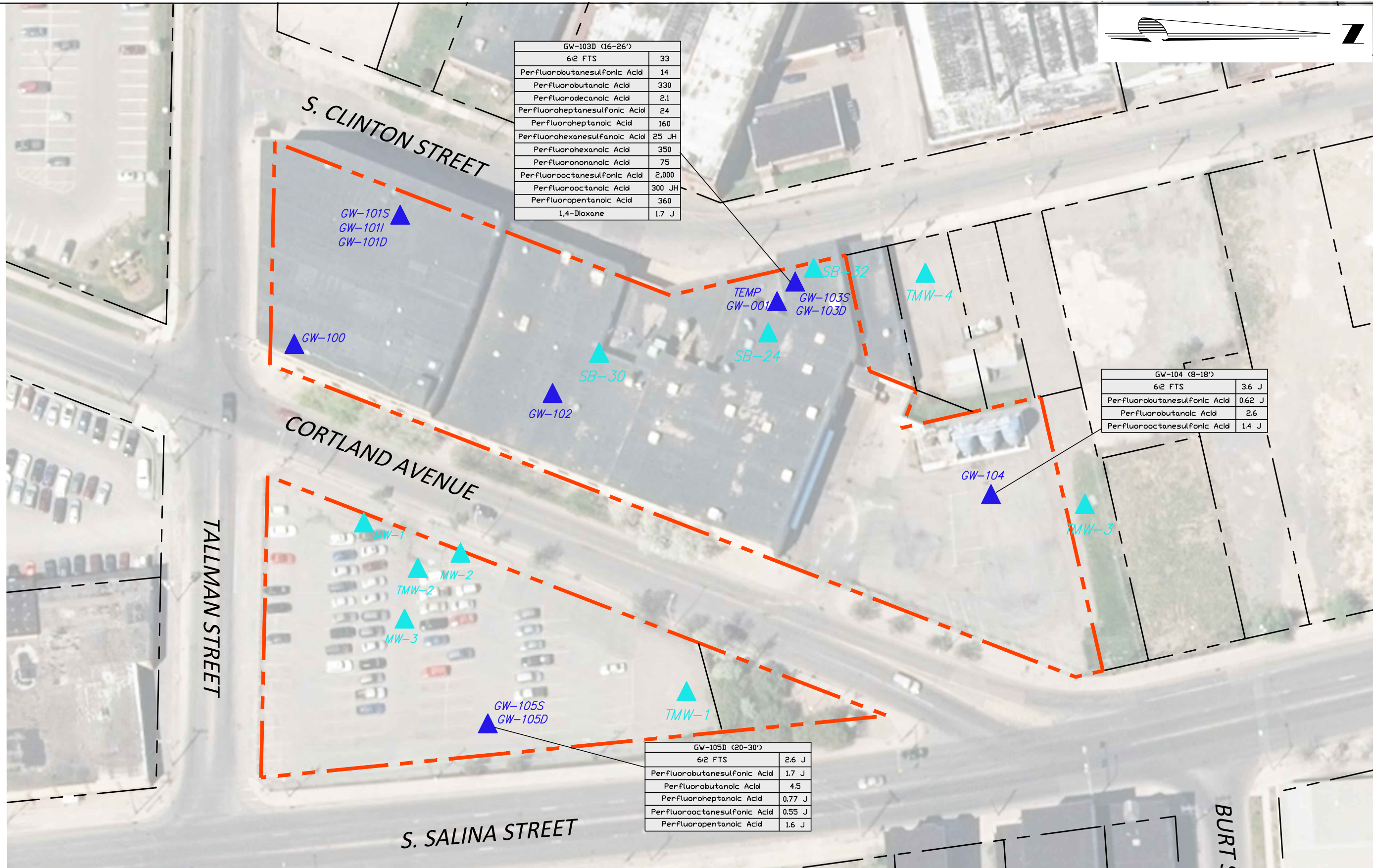
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FORMER COYNE TEXTILE FACILITY
 140 CORTLAND AVE.
 SYRACUSE, NY 13202
 REMEDIAL INVESTIGATION GROUNDWATER ANALYTICAL RESULTS
 METALS ONLY

PROJECT NO. 33525
 DATE: 10/2018
 FIGURE 20

File: V:\PROJECTS\NY\K4_33525\CADD\ENVP\REMEDIAL_INVESTIGATION\GW - FORMER COYNE TEXTILE FACILITY_PFAS.DWG Saved: 1/23/2019 2:03:11 PM Plotted: 1/28/2019 1:02:21 PM Current User: Miller, Samantha LastSavedBy: 4187



GW-103D (16-26')	
6:2 FTS	33
Perfluorobutanesulfonic Acid	14
Perfluorobutanoic Acid	330
Perfluorodecanoic Acid	2.1
Perfluoroheptanesulfonic Acid	24
Perfluoroheptanoic Acid	160
Perfluorohexanesulfonic Acid	25 JH
Perfluorohexanoic Acid	350
Perfluorononanoic Acid	75
Perfluorooctanesulfonic Acid	2,000
Perfluorooctanoic Acid	300 JH
Perfluoropentanoic Acid	360
1,4-Dioxane	1.7 J

GW-104 (8-18')	
6:2 FTS	3.6 J
Perfluorobutanesulfonic Acid	0.62 J
Perfluorobutanoic Acid	2.6
Perfluorooctanesulfonic Acid	1.4 J

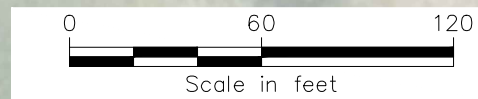
GW-105D (20-30')	
6:2 FTS	2.6 J
Perfluorobutanesulfonic Acid	1.7 J
Perfluorobutanoic Acid	4.5
Perfluoroheptanoic Acid	0.77 J
Perfluorooctanesulfonic Acid	0.55 J
Perfluoropentanoic Acid	1.6 J

LEGEND:

- ▲ GZA 2014/2015 GROUNDWATER WELL LOCATION
- ▲ CHA RIWP GROUNDWATER WELL LOCATION
- SAMPLES COLLECTED BY CHA APRIL 2018

SAMPLE RESULTS ARE LISTED IN ng/m³
(1,4-DIOXANE IN µg/L)

J - ESTIMATED VALUE
JH - ESTIMATED HIGH VALUE



Drawing Copyright © 2016

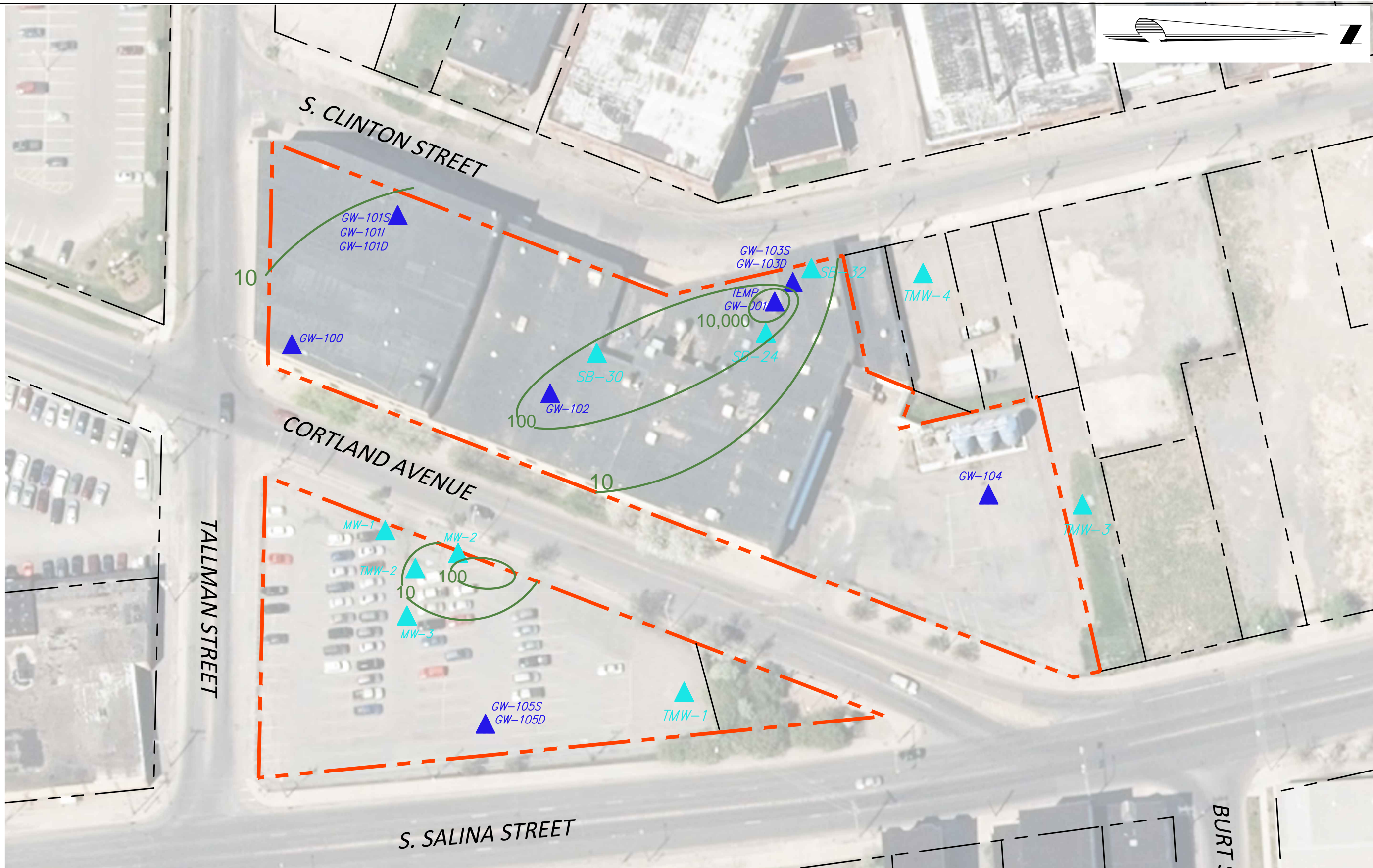


FORMER COYNE TEXTILE FACILITY
140 CORTLAND AVE.
SYRACUSE, NY 13202
REMEDIAL INVESTIGATION GROUNDWATER
ANALYTICAL RESULTS
PFAS AND 1,4-DIOXANE

PROJECT NO.
33525

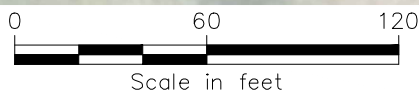
DATE: 2/2019

FIGURE 21



LEGEND:

- ▲ GZA 2014/2015 GROUNDWATER WELL LOCATION
- ▲ CHA RIWP GROUNDWATER WELL LOCATION
- TOTAL VOC CONCENTRATION (PPB)



Drawing Copyright © 2016

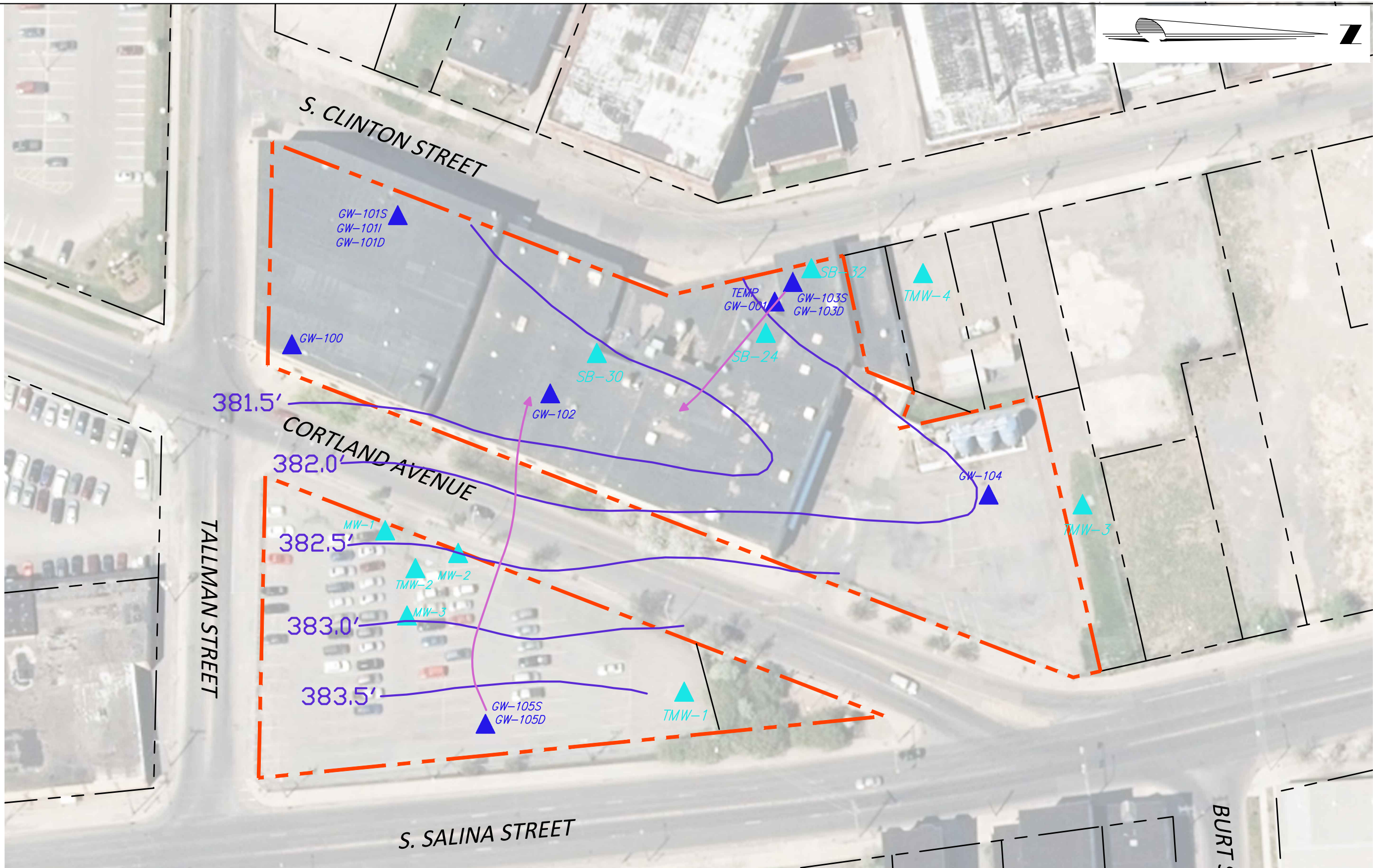


FORMER COYNE TEXTILE FACILITY
 140 CORTLAND AVE.
 SYRACUSE, NY 13202
 REMEDIAL INVESTIGATION
 ISOCONCENTRATION CONTOURS FOR TOTAL
 VOCs IN SHALLOW GROUNDWATER

PROJECT NO.
33525

DATE: 10/2018

FIGURE 22



LEGEND:

- ▲ GZA 2014/2015 GROUNDWATER WELL LOCATION
- ▲ CHA RIWP GROUNDWATER WELL LOCATION
- ← GROUNDWATER FLOW DIRECTION
- GROUNDWATER CONTOUR ELEVATION (FT. AMSL)

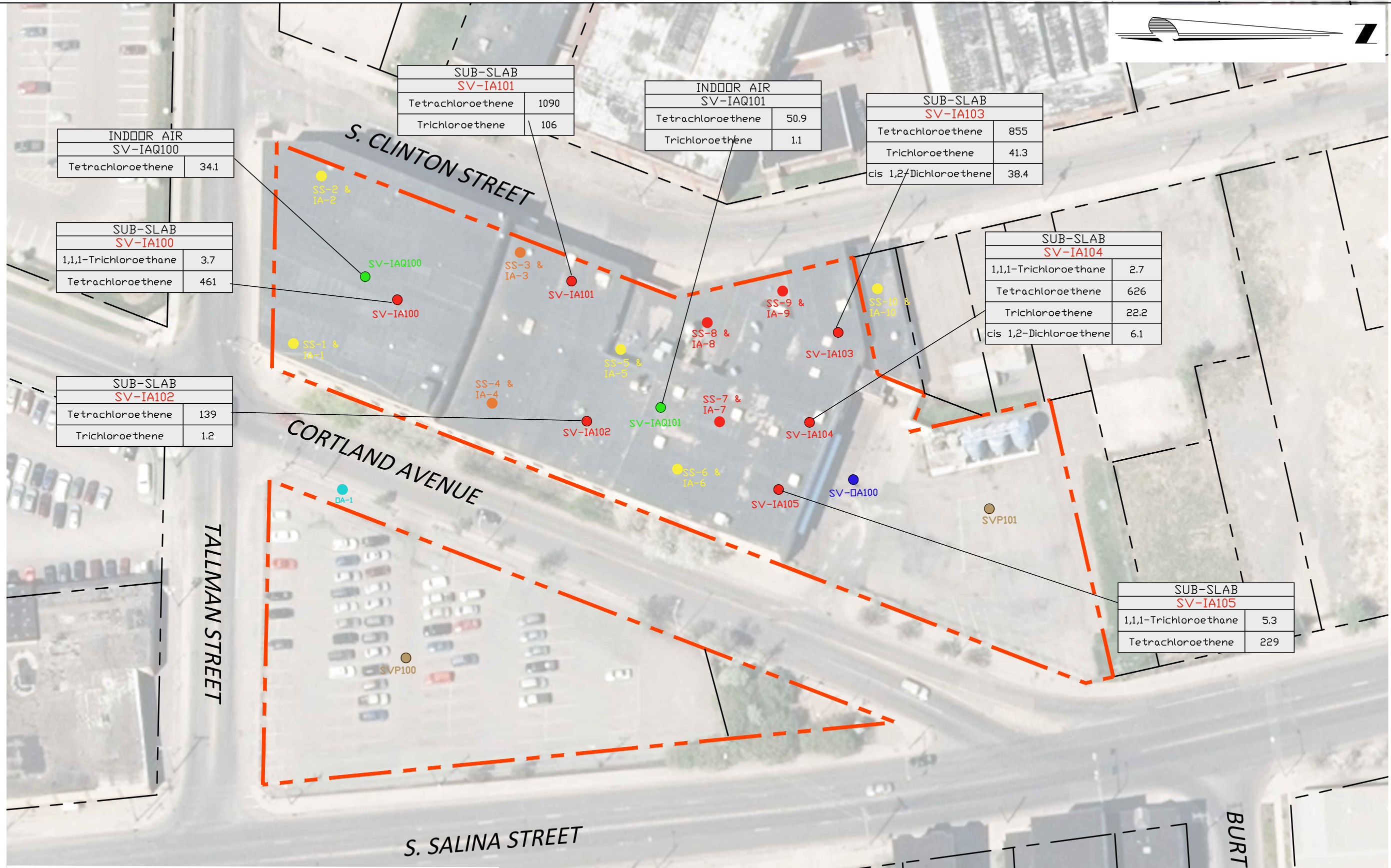


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FORMER COYNE TEXTILE FACILITY
 140 CORTLAND AVE.
 SYRACUSE, NY 13202
 REMEDIAL INVESTIGATION
 GROUNDWATER CONTOUR MAP, APRIL 2018

PROJECT NO.
 33525
 DATE: 10/2018
 FIGURE 23



INDOOR AIR SV-IAQ100	
Tetrachloroethene	34.1

SUB-SLAB SV-IA101	
Tetrachloroethene	1090
Trichloroethene	106

INDOOR AIR SV-IAQ101	
Tetrachloroethene	50.9
Trichloroethene	1.1

SUB-SLAB SV-IA103	
Tetrachloroethene	855
Trichloroethene	41.3
cis 1,2-Dichloroethene	38.4

SUB-SLAB SV-IA100	
1,1,1-Trichloroethane	3.7
Tetrachloroethene	461

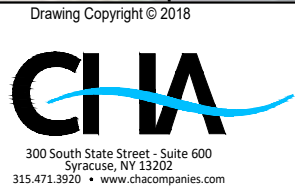
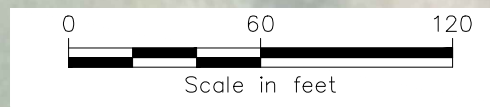
SUB-SLAB SV-IA104	
1,1,1-Trichloroethane	2.7
Tetrachloroethene	626
Trichloroethene	22.2
cis 1,2-Dichloroethene	6.1

SUB-SLAB SV-IA102	
Tetrachloroethene	139
Trichloroethene	1.2

SUB-SLAB SV-IA105	
1,1,1-Trichloroethane	5.3
Tetrachloroethene	229

LEGEND:

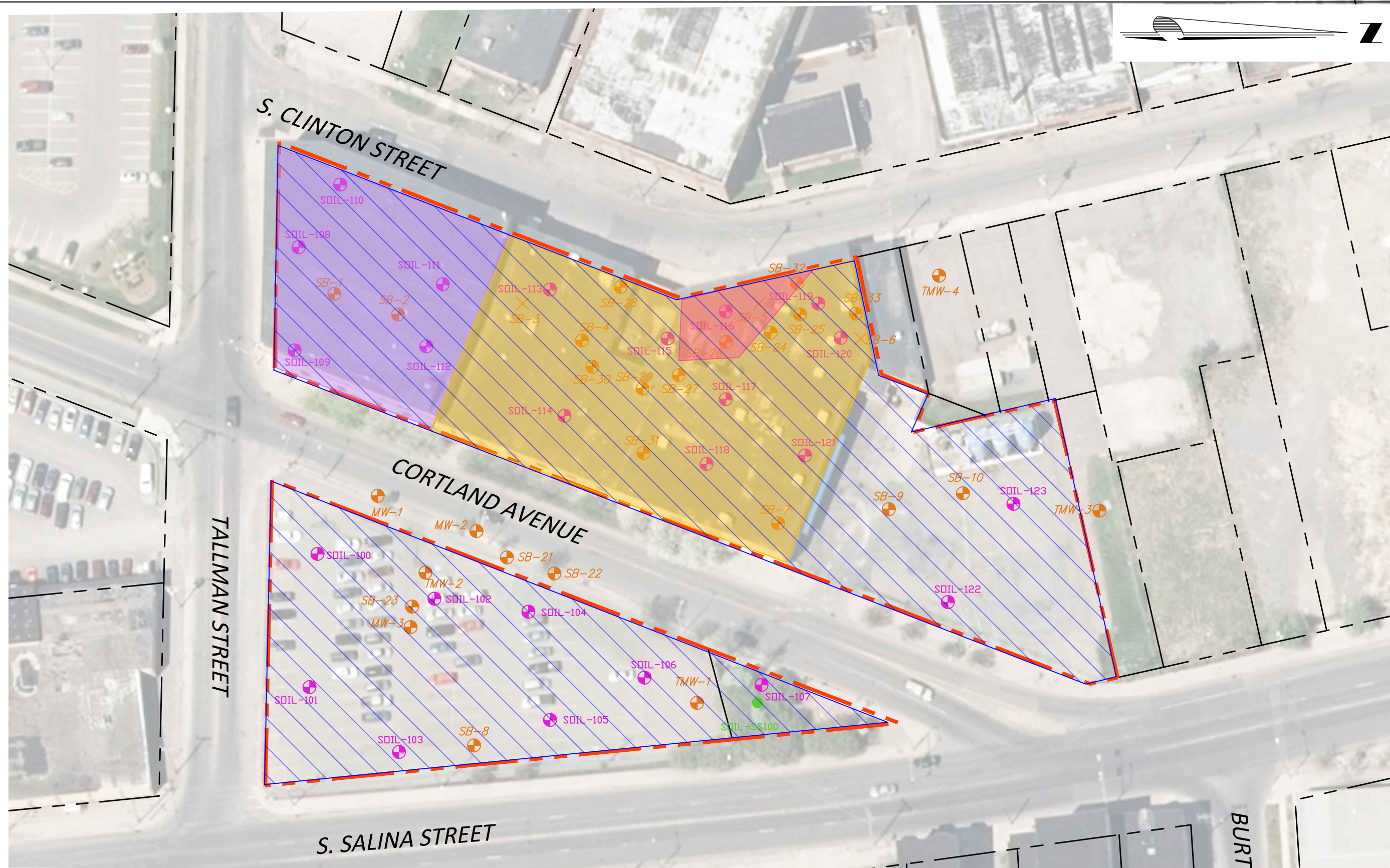
- GZA 2015 SUB-SLAB SOIL VAPOR (TPA*)
 - GZA 2015 SUB-SLAB SOIL VAPOR (MONITOR)
 - GZA 2015 SUB-SLAB SOIL VAPOR (MITIGATE)
 - GZA 2015 OUTDOOR AIR
 - CHA RIWP SUB-SLAB SAMPLE LOCATION
 - CHA RIWP SOIL VAPOR SAMPLE LOCATION
 - CHA RIWP OUTDOOR AIR SAMPLE LOCATION
 - CHA RIWP INDOOR AIR SAMPLE LOCATION
- *TPA - TAKE REASONABLE AND PRACTICAL ACTIONS TO IDENTIFY SOURCE(S) AND REDUCE EXPOSURES
- CONCENTRATIONS IN $\mu\text{g}/\text{m}^3$
 SAMPLES COLLECTED BY CHA APRIL 2018
 NYSDDH CRITERIA EXCEEDANCES SHOWN ONLY



FORMER COYNE TEXTILE FACILITY
 140 CORTLAND AVE.
 SYRACUSE, NY 13202
 REMEDIAL INVESTIGATION
 SOIL VAPOR ANALYTICAL RESULTS

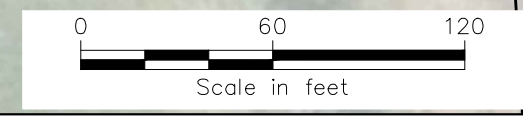
PROJECT NO.
33525
 DATE: 2/2019
 FIGURE 24

File: V:\PROJECTS\ANY\K4\33525\CADD\ENVP\REMEDIATION\RI - AOC.DWG
Saved: 1/28/2019 12:16:42 PM Plotted: 1/28/2019 12:18:13 PM Current User: Miller, Samantha LastSavedBy: 4187



LEGEND:

GZA 2014/2015 SOIL BORING LOCATIONS	FORMER UST AREA
GZA 2014/2015 ATTEMPTED SOIL BORING	SITE-WIDE GROUNDWATER
CHA RIWP SOIL BORING LOCATIONS	OFFICE VAPOR
CHA RIWP SURFACE SOIL SAMPLE	WAREHOUSE VAPOR



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FORMER COYNE TEXTILE FACILITY
140 CORTLAND AVE.
SYRACUSE, NY 13202
REMEDIAL INVESTIGATION SOIL
AREAS OF CONCERN

PROJECT NO. 33525
DATE: 02/2019
FIGURE 25

APPENDIX A

Laboratory Analytical Data

April 17, 2018

Samantha Miller
CHA Companies
300 South Stae Street
Syracuse, NY 13202

RE: Project: FORMER COYNE TEXTILE FACILITY
Pace Project No.: 7047475

Dear Samantha Miller:

Enclosed are the analytical results for sample(s) received by the laboratory on April 06, 2018. The results relate only to the samples included in this report. Results reported herein conform to the most current, applicable TNI/NELAC standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,



James Murphy
james.murphy@pacelabs.com
(518)346-4592
Project Manager

Enclosures

cc: Karyn Ehmann, CHA Companies



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: FORMER COYNE TEXTILE FACILITY

Pace Project No.: 7047475

Long Island Certification IDs

575 Broad Hollow Rd, Melville, NY 11747

New York Certification #: 10478 Primary Accrediting Body

New Jersey Certification #: NY158

Pennsylvania Certification #: 68-00350

Connecticut Certification #: PH-0435

Maryland Certification #: 208

Rhode Island Certification #: LAO00340

Massachusetts Certification #: M-NY026

New Hampshire Certification #: 2987

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: FORMER COYNE TEXTILE FACILITY

Pace Project No.: 7047475

Date: April 17, 2018

SOIL-119 (Lab ID: 7047475004)

- C0: Result confirmed by second analysis.

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: FORMER COYNE TEXTILE FACILITY

Pace Project No.: 7047475

Method: EPA 8082A

Description: 8082 GCS PCB

Client: CHA Companies

Date: April 17, 2018

General Information:

6 samples were analyzed for EPA 8082A. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:

The samples were prepared in accordance with EPA 3546 with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):

All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:

All criteria were within method requirements with any exceptions noted below.

Surrogates:

All surrogates were within QC limits with any exceptions noted below.

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Additional Comments:

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: FORMER COYNE TEXTILE FACILITY
Pace Project No.: 7047475

Method: EPA 6010C
Description: 6010 MET ICP
Client: CHA Companies
Date: April 17, 2018

General Information:

6 samples were analyzed for EPA 6010C. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:

The samples were prepared in accordance with EPA 3050B with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):

All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:

All criteria were within method requirements with any exceptions noted below.

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

QC Batch: 62553

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 7047482005

M1: Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

- MS (Lab ID: 287160)
 - Aluminum
 - Antimony
 - Calcium
 - Iron
 - Manganese

Duplicate Sample:

All duplicate sample results were within method acceptance criteria with any exceptions noted below.

QC Batch: 62553

D6: The precision between the sample and sample duplicate exceeded laboratory control limits.

- DUP (Lab ID: 287159)
 - Arsenic

Additional Comments:

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: FORMER COYNE TEXTILE FACILITY

Pace Project No.: 7047475

Method: EPA 7471B

Description: 7471 Mercury

Client: CHA Companies

Date: April 17, 2018

General Information:

6 samples were analyzed for EPA 7471B. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:

The samples were prepared in accordance with EPA 7471B with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):

All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:

All criteria were within method requirements with any exceptions noted below.

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Duplicate Sample:

All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: FORMER COYNE TEXTILE FACILITY

Pace Project No.: 7047475

Method: EPA 8270D

Description: 8270 MSSV

Client: CHA Companies

Date: April 17, 2018

General Information:

6 samples were analyzed for EPA 8270D. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:

The samples were prepared in accordance with EPA 3545A with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):

All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:

All criteria were within method requirements with any exceptions noted below.

QC Batch: 62654

CL: The continuing calibration for this compound is outside of Pace Analytical acceptance limits. The results may be biased low.

- BLANK (Lab ID: 287780)
 - Benzaldehyde
 - Hexachlorocyclopentadiene
- LCS (Lab ID: 287781)
 - Benzaldehyde
 - Hexachlorocyclopentadiene
- MS (Lab ID: 287782)
 - Benzaldehyde
 - Hexachlorocyclopentadiene
- MSD (Lab ID: 287783)
 - Benzaldehyde
 - Hexachlorocyclopentadiene
- SOIL-116 (Lab ID: 7047475001)
 - Benzaldehyde
 - Hexachlorocyclopentadiene
- SOIL-117 (Lab ID: 7047475002)
 - Benzaldehyde
 - Hexachlorocyclopentadiene
- SOIL-118 (Lab ID: 7047475003)
 - Benzaldehyde
 - Hexachlorocyclopentadiene
- SOIL-119 (Lab ID: 7047475004)
 - Benzaldehyde
 - Hexachlorocyclopentadiene
- SOIL-120 (Lab ID: 7047475005)
 - Benzaldehyde
 - Hexachlorocyclopentadiene

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: FORMER COYNE TEXTILE FACILITY

Pace Project No.: 7047475

Method: EPA 8270D

Description: 8270 MSSV

Client: CHA Companies

Date: April 17, 2018

QC Batch: 62654

CL: The continuing calibration for this compound is outside of Pace Analytical acceptance limits. The results may be biased low.

- SOIL-121 (Lab ID: 7047475006)
 - Benzaldehyde
 - Hexachlorocyclopentadiene

Internal Standards:

All internal standards were within QC limits with any exceptions noted below.

Surrogates:

All surrogates were within QC limits with any exceptions noted below.

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

QC Batch: 62654

L2: Analyte recovery in the laboratory control sample (LCS) was below QC limits. Results for this analyte in associated samples may be biased low.

- LCS (Lab ID: 287781)
 - 4-Nitroaniline
 - Benzaldehyde

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

QC Batch: 62654

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 7047482005

M1: Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

- MS (Lab ID: 287782)
 - 3,3'-Dichlorobenzidine
 - 4-Nitrophenol
 - Hexachlorocyclopentadiene
 - Pentachlorophenol
- MSD (Lab ID: 287783)
 - 4-Nitrophenol
 - Hexachlorocyclopentadiene
 - Pentachlorophenol

R1: RPD value was outside control limits.

- MSD (Lab ID: 287783)
 - 3,3'-Dichlorobenzidine

Additional Comments:

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: FORMER COYNE TEXTILE FACILITY

Pace Project No.: 7047475

Method: EPA 8260C

Description: 8260C MSV 5035A-L Low Level

Client: CHA Companies

Date: April 17, 2018

General Information:

2 samples were analyzed for EPA 8260C. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:

The samples were prepared in accordance with EPA 5035A-L with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):

All criteria were within method requirements with any exceptions noted below.

QC Batch: 63165

IH: This analyte exceeded secondary source verification criteria high for the initial calibration. The reported results should be considered an estimated value.

- DUP (Lab ID: 289996)
 - Acetone
- LCS (Lab ID: 289994)
 - Acetone
- MS (Lab ID: 289995)
 - Acetone
- SOIL-118 (Lab ID: 7047475003)
 - Acetone
- SOIL-120 (Lab ID: 7047475005)
 - Acetone

Continuing Calibration:

All criteria were within method requirements with any exceptions noted below.

QC Batch: 63165

CL: The continuing calibration for this compound is outside of Pace Analytical acceptance limits. The results may be biased low.

- BLANK (Lab ID: 289993)
 - 1,1,2-Trichlorotrifluoroethane
 - Dichlorodifluoromethane
 - Vinyl chloride
- DUP (Lab ID: 289996)
 - 1,1,2-Trichlorotrifluoroethane
 - Dichlorodifluoromethane
 - Vinyl chloride
- LCS (Lab ID: 289994)
 - 1,1,2-Trichlorotrifluoroethane
 - Dichlorodifluoromethane
 - Vinyl chloride
- MS (Lab ID: 289995)

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: FORMER COYNE TEXTILE FACILITY

Pace Project No.: 7047475

Method: EPA 8260C

Description: 8260C MSV 5035A-L Low Level

Client: CHA Companies

Date: April 17, 2018

QC Batch: 63165

CL: The continuing calibration for this compound is outside of Pace Analytical acceptance limits. The results may be biased low.

- 1,1,2-Trichlorotrifluoroethane
- Dichlorodifluoromethane
- Vinyl chloride
- SOIL-118 (Lab ID: 7047475003)
 - 1,1,2-Trichlorotrifluoroethane
 - Dichlorodifluoromethane
 - Vinyl chloride
- SOIL-120 (Lab ID: 7047475005)
 - 1,1,2-Trichlorotrifluoroethane
 - Dichlorodifluoromethane
 - Vinyl chloride

Internal Standards:

All internal standards were within QC limits with any exceptions noted below.

Surrogates:

All surrogates were within QC limits with any exceptions noted below.

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

QC Batch: 63165

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 7047329010

M1: Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

- MS (Lab ID: 289995)
 - Methyl-tert-butyl ether

Duplicate Sample:

All duplicate sample results were within method acceptance criteria with any exceptions noted below.

QC Batch: 63165

D6: The precision between the sample and sample duplicate exceeded laboratory control limits.

- DUP (Lab ID: 289996)
 - Acetone
 - Methylcyclohexane
 - Tetrachloroethene

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: FORMER COYNE TEXTILE FACILITY

Pace Project No.: 7047475

Method: EPA 8260C

Description: 8260C MSV 5035A-L Low Level

Client: CHA Companies

Date: April 17, 2018

Additional Comments:

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: FORMER COYNE TEXTILE FACILITY

Pace Project No.: 7047475

Method: EPA 8260C

Description: 8260 MSV 5035A-H Med Level

Client: CHA Companies

Date: April 17, 2018

General Information:

4 samples were analyzed for EPA 8260C. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:

The samples were prepared in accordance with EPA 5035A-H/5030C with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):

All criteria were within method requirements with any exceptions noted below.

QC Batch: 63412

IH: This analyte exceeded secondary source verification criteria high for the initial calibration. The reported results should be considered an estimated value.

- DUP (Lab ID: 291198)
 - 2-Butanone (MEK)
- LCS (Lab ID: 291196)
 - 2-Butanone (MEK)
- MS (Lab ID: 291197)
 - 2-Butanone (MEK)
- SOIL-117 (Lab ID: 7047475002)
 - 2-Butanone (MEK)
- SOIL-119 (Lab ID: 7047475004)
 - 2-Butanone (MEK)
- SOIL-121 (Lab ID: 7047475006)
 - 2-Butanone (MEK)

Continuing Calibration:

All criteria were within method requirements with any exceptions noted below.

QC Batch: 63412

CH: The continuing calibration for this compound is outside of Pace Analytical acceptance limits. The results may be biased high.

- DUP (Lab ID: 291198)
 - 2-Butanone (MEK)
 - Acetone
- LCS (Lab ID: 291196)
 - 2-Butanone (MEK)
 - 4-Methyl-2-pentanone (MIBK)
 - Acetone
 - Chloroethane
 - Chloromethane
 - cis-1,3-Dichloropropene
- MS (Lab ID: 291197)

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: FORMER COYNE TEXTILE FACILITY

Pace Project No.: 7047475

Method: EPA 8260C

Description: 8260 MSV 5035A-H Med Level

Client: CHA Companies

Date: April 17, 2018

QC Batch: 63412

CH: The continuing calibration for this compound is outside of Pace Analytical acceptance limits. The results may be biased high.

- 2-Butanone (MEK)
- 4-Methyl-2-pentanone (MIBK)
- Acetone
- Chloroethane
- Chloromethane
- cis-1,3-Dichloropropene
- SOIL-117 (Lab ID: 7047475002)
 - 2-Butanone (MEK)
 - Acetone
- SOIL-119 (Lab ID: 7047475004)
 - 2-Butanone (MEK)
 - Acetone
- SOIL-121 (Lab ID: 7047475006)
 - 2-Butanone (MEK)
 - Acetone

CL: The continuing calibration for this compound is outside of Pace Analytical acceptance limits. The results may be biased low.

- BLANK (Lab ID: 291195)
 - 1,2,3-Trichlorobenzene
 - Dichlorodifluoromethane
 - Hexachloro-1,3-butadiene
- DUP (Lab ID: 291198)
 - 1,2,3-Trichlorobenzene
 - Dichlorodifluoromethane
 - Hexachloro-1,3-butadiene
- LCS (Lab ID: 291196)
 - 1,2,3-Trichlorobenzene
 - Dichlorodifluoromethane
 - Hexachloro-1,3-butadiene
- MS (Lab ID: 291197)
 - 1,2,3-Trichlorobenzene
 - Dichlorodifluoromethane
 - Hexachloro-1,3-butadiene
- SOIL-116 (Lab ID: 7047475001)
 - 1,2,3-Trichlorobenzene
 - Dichlorodifluoromethane
 - Hexachloro-1,3-butadiene
- SOIL-117 (Lab ID: 7047475002)
 - 1,2,3-Trichlorobenzene
 - Dichlorodifluoromethane
 - Hexachloro-1,3-butadiene
- SOIL-119 (Lab ID: 7047475004)
 - 1,2,3-Trichlorobenzene
 - Dichlorodifluoromethane
 - Hexachloro-1,3-butadiene

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: FORMER COYNE TEXTILE FACILITY

Pace Project No.: 7047475

Method: EPA 8260C

Description: 8260 MSV 5035A-H Med Level

Client: CHA Companies

Date: April 17, 2018

QC Batch: 63412

CL: The continuing calibration for this compound is outside of Pace Analytical acceptance limits. The results may be biased low.

- SOIL-121 (Lab ID: 7047475006)
 - 1,2,3-Trichlorobenzene
 - Dichlorodifluoromethane
 - Hexachloro-1,3-butadiene

Internal Standards:

All internal standards were within QC limits with any exceptions noted below.

Surrogates:

All surrogates were within QC limits with any exceptions noted below.

QC Batch: 63412

S0: Surrogate recovery outside laboratory control limits.

- DUP (Lab ID: 291198)
 - 4-Bromofluorobenzene (S)
- SOIL-119 (Lab ID: 7047475004)
 - 4-Bromofluorobenzene (S)

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

QC Batch: 63412

L1: Analyte recovery in the laboratory control sample (LCS) was above QC limits. Results for this analyte in associated samples may be biased high.

- LCS (Lab ID: 291196)
 - 2-Butanone (MEK)

L2: Analyte recovery in the laboratory control sample (LCS) was below QC limits. Results for this analyte in associated samples may be biased low.

- LCS (Lab ID: 291196)
 - 1,1,2-Trichloroethane
 - Bromomethane
 - Chloroethane
 - Trichlorofluoromethane

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

QC Batch: 63412

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 7047475002

M0: Matrix spike recovery and/or matrix spike duplicate recovery was outside laboratory control limits.

- MS (Lab ID: 291197)

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: FORMER COYNE TEXTILE FACILITY

Pace Project No.: 7047475

Method: EPA 8260C

Description: 8260 MSV 5035A-H Med Level

Client: CHA Companies

Date: April 17, 2018

QC Batch: 63412

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 7047475002

M0: Matrix spike recovery and/or matrix spike duplicate recovery was outside laboratory control limits.

- 2-Butanone (MEK)
- Bromomethane
- Chloroethane

M1: Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

- MS (Lab ID: 291197)
- Dibromochloromethane

Duplicate Sample:

All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

Analyte Comments:

QC Batch: 63412

C0: Result confirmed by second analysis.

- SOIL-119 (Lab ID: 7047475004)
- 4-Bromofluorobenzene (S)

This data package has been reviewed for quality and completeness and is approved for release.

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: FORMER COYNE TEXTILE FACILITY

Pace Project No.: 7047475

Sample: SOIL-116 Lab ID: 7047475001 Collected: 04/04/18 12:35 Received: 04/06/18 09:40 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8082 GCS PCB Analytical Method: EPA 8082A Preparation Method: EPA 3546								
PCB-1016 (Aroclor 1016)	<48.5	ug/kg	48.5	1	04/10/18 20:18	04/14/18 21:00	12674-11-2	
PCB-1221 (Aroclor 1221)	<98.5	ug/kg	98.5	1	04/10/18 20:18	04/14/18 21:00	11104-28-2	
PCB-1232 (Aroclor 1232)	<48.5	ug/kg	48.5	1	04/10/18 20:18	04/14/18 21:00	11141-16-5	
PCB-1242 (Aroclor 1242)	737	ug/kg	48.5	1	04/10/18 20:18	04/14/18 21:00	53469-21-9	
PCB-1248 (Aroclor 1248)	<48.5	ug/kg	48.5	1	04/10/18 20:18	04/14/18 21:00	12672-29-6	
PCB-1254 (Aroclor 1254)	<48.5	ug/kg	48.5	1	04/10/18 20:18	04/14/18 21:00	11097-69-1	
PCB-1260 (Aroclor 1260)	<48.5	ug/kg	48.5	1	04/10/18 20:18	04/14/18 21:00	11096-82-5	
Surrogates								
Tetrachloro-m-xylene (S)	57	%	30-150	1	04/10/18 20:18	04/14/18 21:00	877-09-8	
Decachlorobiphenyl (S)	78	%	30-150	1	04/10/18 20:18	04/14/18 21:00	2051-24-3	
6010 MET ICP Analytical Method: EPA 6010C Preparation Method: EPA 3050B								
Aluminum	4720	mg/kg	15.2	1	04/09/18 11:14	04/11/18 03:24	7429-90-5	
Antimony	<4.6	mg/kg	4.6	1	04/09/18 11:14	04/11/18 03:24	7440-36-0	
Arsenic	10.7	mg/kg	0.76	1	04/09/18 11:14	04/11/18 03:24	7440-38-2	
Barium	124	mg/kg	15.2	1	04/09/18 11:14	04/11/18 03:24	7440-39-3	
Beryllium	<0.38	mg/kg	0.38	1	04/09/18 11:14	04/11/18 03:24	7440-41-7	
Cadmium	0.98	mg/kg	0.19	1	04/09/18 11:14	04/11/18 03:24	7440-43-9	
Calcium	94500	mg/kg	762	10	04/09/18 11:14	04/11/18 13:07	7440-70-2	
Chromium	17.9	mg/kg	0.76	1	04/09/18 11:14	04/11/18 03:24	7440-47-3	
Cobalt	5.1	mg/kg	3.8	1	04/09/18 11:14	04/11/18 03:24	7440-48-4	
Copper	114	mg/kg	1.9	1	04/09/18 11:14	04/11/18 03:24	7440-50-8	
Iron	26300	mg/kg	7.6	1	04/09/18 11:14	04/11/18 03:24	7439-89-6	
Lead	776	mg/kg	0.38	1	04/09/18 11:14	04/11/18 03:24	7439-92-1	
Magnesium	10400	mg/kg	76.2	1	04/09/18 11:14	04/11/18 03:24	7439-95-4	
Manganese	371	mg/kg	1.1	1	04/09/18 11:14	04/11/18 03:24	7439-96-5	
Nickel	10	mg/kg	3.0	1	04/09/18 11:14	04/11/18 03:24	7440-02-0	
Potassium	707	mg/kg	381	1	04/09/18 11:14	04/11/18 03:24	7440-09-7	
Selenium	1.4	mg/kg	0.76	1	04/09/18 11:14	04/11/18 03:24	7782-49-2	
Silver	<0.76	mg/kg	0.76	1	04/09/18 11:14	04/11/18 03:24	7440-22-4	
Sodium	<381	mg/kg	381	1	04/09/18 11:14	04/11/18 03:24	7440-23-5	
Thallium	<0.76	mg/kg	0.76	1	04/09/18 11:14	04/11/18 03:24	7440-28-0	
Vanadium	15.3	mg/kg	3.8	1	04/09/18 11:14	04/11/18 03:24	7440-62-2	
Zinc	315	mg/kg	1.5	1	04/09/18 11:14	04/11/18 03:24	7440-66-6	
7471 Mercury Analytical Method: EPA 7471B Preparation Method: EPA 7471B								
Mercury	1.4	mg/kg	0.049	1	04/09/18 13:02	04/10/18 13:27	7439-97-6	
8270 MSSV Analytical Method: EPA 8270D Preparation Method: EPA 3545A								
1,2,4-Trichlorobenzene	<98.3	ug/kg	98.3	1	04/09/18 18:23	04/12/18 22:56	120-82-1	
2,2'-Oxybis(1-chloropropane)	<98.3	ug/kg	98.3	1	04/09/18 18:23	04/12/18 22:56	108-60-1	
2,4,5-Trichlorophenol	<98.3	ug/kg	98.3	1	04/09/18 18:23	04/12/18 22:56	95-95-4	
2,4,6-Trichlorophenol	<98.3	ug/kg	98.3	1	04/09/18 18:23	04/12/18 22:56	88-06-2	
2,4-Dichlorophenol	<98.3	ug/kg	98.3	1	04/09/18 18:23	04/12/18 22:56	120-83-2	
2,4-Dimethylphenol	<98.3	ug/kg	98.3	1	04/09/18 18:23	04/12/18 22:56	105-67-9	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: FORMER COYNE TEXTILE FACILITY

Pace Project No.: 7047475

Sample: SOIL-116 **Lab ID: 7047475001** Collected: 04/04/18 12:35 Received: 04/06/18 09:40 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Analytical Method: EPA 8270D Preparation Method: EPA 3545A								
2,4-Dinitrophenol	<983	ug/kg	983	1	04/09/18 18:23	04/12/18 22:56	51-28-5	
2,4-Dinitrotoluene	<484	ug/kg	484	1	04/09/18 18:23	04/12/18 22:56	121-14-2	
2,6-Dinitrotoluene	<484	ug/kg	484	1	04/09/18 18:23	04/12/18 22:56	606-20-2	
2-Chloronaphthalene	<98.3	ug/kg	98.3	1	04/09/18 18:23	04/12/18 22:56	91-58-7	
2-Chlorophenol	<98.3	ug/kg	98.3	1	04/09/18 18:23	04/12/18 22:56	95-57-8	
2-Methylnaphthalene	<98.3	ug/kg	98.3	1	04/09/18 18:23	04/12/18 22:56	91-57-6	
2-Methylphenol(o-Cresol)	<98.3	ug/kg	98.3	1	04/09/18 18:23	04/12/18 22:56	95-48-7	
2-Nitroaniline	<484	ug/kg	484	1	04/09/18 18:23	04/12/18 22:56	88-74-4	
2-Nitrophenol	<484	ug/kg	484	1	04/09/18 18:23	04/12/18 22:56	88-75-5	
3&4-Methylphenol(m&p Cresol)	<98.3	ug/kg	98.3	1	04/09/18 18:23	04/12/18 22:56		
3,3'-Dichlorobenzidine	<484	ug/kg	484	1	04/09/18 18:23	04/12/18 22:56	91-94-1	
3-Nitroaniline	<484	ug/kg	484	1	04/09/18 18:23	04/12/18 22:56	99-09-2	
4,6-Dinitro-2-methylphenol	<983	ug/kg	983	1	04/09/18 18:23	04/12/18 22:56	534-52-1	
4-Bromophenylphenyl ether	<98.3	ug/kg	98.3	1	04/09/18 18:23	04/12/18 22:56	101-55-3	
4-Chloro-3-methylphenol	<98.3	ug/kg	98.3	1	04/09/18 18:23	04/12/18 22:56	59-50-7	
4-Chloroaniline	<484	ug/kg	484	1	04/09/18 18:23	04/12/18 22:56	106-47-8	
4-Chlorophenylphenyl ether	<98.3	ug/kg	98.3	1	04/09/18 18:23	04/12/18 22:56	7005-72-3	
4-Nitroaniline	<484	ug/kg	484	1	04/09/18 18:23	04/12/18 22:56	100-01-6	L2
4-Nitrophenol	<983	ug/kg	983	1	04/09/18 18:23	04/12/18 22:56	100-02-7	
Acenaphthene	<98.3	ug/kg	98.3	1	04/09/18 18:23	04/12/18 22:56	83-32-9	
Acenaphthylene	<98.3	ug/kg	98.3	1	04/09/18 18:23	04/12/18 22:56	208-96-8	
Acetophenone	<98.3	ug/kg	98.3	1	04/09/18 18:23	04/12/18 22:56	98-86-2	
Anthracene	233	ug/kg	98.3	1	04/09/18 18:23	04/12/18 22:56	120-12-7	
Atrazine	<98.3	ug/kg	98.3	1	04/09/18 18:23	04/12/18 22:56	1912-24-9	
Benzaldehyde	<98.3	ug/kg	98.3	1	04/09/18 18:23	04/12/18 22:56	100-52-7	CL,L2
Benzo(a)anthracene	598	ug/kg	98.3	1	04/09/18 18:23	04/12/18 22:56	56-55-3	
Benzo(a)pyrene	517	ug/kg	98.3	1	04/09/18 18:23	04/12/18 22:56	50-32-8	
Benzo(b)fluoranthene	837	ug/kg	98.3	1	04/09/18 18:23	04/12/18 22:56	205-99-2	
Benzo(g,h,i)perylene	243	ug/kg	98.3	1	04/09/18 18:23	04/12/18 22:56	191-24-2	
Benzo(k)fluoranthene	388	ug/kg	98.3	1	04/09/18 18:23	04/12/18 22:56	207-08-9	
Biphenyl (Diphenyl)	<98.3	ug/kg	98.3	1	04/09/18 18:23	04/12/18 22:56	92-52-4	
Butylbenzylphthalate	<98.3	ug/kg	98.3	1	04/09/18 18:23	04/12/18 22:56	85-68-7	
Caprolactam	<98.3	ug/kg	98.3	1	04/09/18 18:23	04/12/18 22:56	105-60-2	
Carbazole	<98.3	ug/kg	98.3	1	04/09/18 18:23	04/12/18 22:56	86-74-8	
Chrysene	647	ug/kg	98.3	1	04/09/18 18:23	04/12/18 22:56	218-01-9	
Di-n-butylphthalate	<98.3	ug/kg	98.3	1	04/09/18 18:23	04/12/18 22:56	84-74-2	
Di-n-octylphthalate	<98.3	ug/kg	98.3	1	04/09/18 18:23	04/12/18 22:56	117-84-0	
Dibenz(a,h)anthracene	<98.3	ug/kg	98.3	1	04/09/18 18:23	04/12/18 22:56	53-70-3	
Dibenzofuran	113	ug/kg	98.3	1	04/09/18 18:23	04/12/18 22:56	132-64-9	
Diethylphthalate	<98.3	ug/kg	98.3	1	04/09/18 18:23	04/12/18 22:56	84-66-2	
Dimethylphthalate	<98.3	ug/kg	98.3	1	04/09/18 18:23	04/12/18 22:56	131-11-3	
Fluoranthene	1090	ug/kg	98.3	1	04/09/18 18:23	04/12/18 22:56	206-44-0	
Fluorene	116	ug/kg	98.3	1	04/09/18 18:23	04/12/18 22:56	86-73-7	
Hexachloro-1,3-butadiene	<98.3	ug/kg	98.3	1	04/09/18 18:23	04/12/18 22:56	87-68-3	
Hexachlorobenzene	<98.3	ug/kg	98.3	1	04/09/18 18:23	04/12/18 22:56	118-74-1	
Hexachlorocyclopentadiene	<484	ug/kg	484	1	04/09/18 18:23	04/12/18 22:56	77-47-4	CL

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: FORMER COYNE TEXTILE FACILITY

Pace Project No.: 7047475

Sample: SOIL-116 Lab ID: 7047475001 Collected: 04/04/18 12:35 Received: 04/06/18 09:40 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Analytical Method: EPA 8270D Preparation Method: EPA 3545A								
Hexachloroethane	<98.3	ug/kg	98.3	1	04/09/18 18:23	04/12/18 22:56	67-72-1	
Indeno(1,2,3-cd)pyrene	259	ug/kg	98.3	1	04/09/18 18:23	04/12/18 22:56	193-39-5	
Isophorone	<98.3	ug/kg	98.3	1	04/09/18 18:23	04/12/18 22:56	78-59-1	
N-Nitroso-di-n-propylamine	<98.3	ug/kg	98.3	1	04/09/18 18:23	04/12/18 22:56	621-64-7	
N-Nitrosodiphenylamine	<98.3	ug/kg	98.3	1	04/09/18 18:23	04/12/18 22:56	86-30-6	
Naphthalene	262	ug/kg	98.3	1	04/09/18 18:23	04/12/18 22:56	91-20-3	
Nitrobenzene	<98.3	ug/kg	98.3	1	04/09/18 18:23	04/12/18 22:56	98-95-3	
Pentachlorophenol	<983	ug/kg	983	1	04/09/18 18:23	04/12/18 22:56	87-86-5	
Phenanthrene	863	ug/kg	98.3	1	04/09/18 18:23	04/12/18 22:56	85-01-8	
Phenol	<98.3	ug/kg	98.3	1	04/09/18 18:23	04/12/18 22:56	108-95-2	
Pyrene	913	ug/kg	98.3	1	04/09/18 18:23	04/12/18 22:56	129-00-0	
bis(2-Chloroethoxy)methane	<98.3	ug/kg	98.3	1	04/09/18 18:23	04/12/18 22:56	111-91-1	
bis(2-Chloroethyl) ether	<98.3	ug/kg	98.3	1	04/09/18 18:23	04/12/18 22:56	111-44-4	
bis(2-Ethylhexyl)phthalate	325	ug/kg	98.3	1	04/09/18 18:23	04/12/18 22:56	117-81-7	
Surrogates								
Nitrobenzene-d5 (S)	53	%	23-120	1	04/09/18 18:23	04/12/18 22:56	4165-60-0	
2-Fluorobiphenyl (S)	69	%	30-115	1	04/09/18 18:23	04/12/18 22:56	321-60-8	
p-Terphenyl-d14 (S)	72	%	18-137	1	04/09/18 18:23	04/12/18 22:56	1718-51-0	
Phenol-d5 (S)	44	%	24-113	1	04/09/18 18:23	04/12/18 22:56	4165-62-2	
2-Fluorophenol (S)	52	%	25-121	1	04/09/18 18:23	04/12/18 22:56	367-12-4	
2,4,6-Tribromophenol (S)	51	%	19-122	1	04/09/18 18:23	04/12/18 22:56	118-79-6	
2-Chlorophenol-d4 (S)	52	%	20-130	1	04/09/18 18:23	04/12/18 22:56	93951-73-6	
1,2-Dichlorobenzene-d4 (S)	51	%	20-130	1	04/09/18 18:23	04/12/18 22:56	2199-69-1	
8260 MSV 5035A-H Med Level Analytical Method: EPA 8260C Preparation Method: EPA 5035A-H/5030C								
Acetone	<1250	ug/kg	1250	9.1	04/12/18 06:51	04/12/18 11:19	67-64-1	
Benzene	<1250	ug/kg	1250	9.1	04/12/18 06:51	04/12/18 11:19	71-43-2	
Bromobenzene	<1250	ug/kg	1250	9.1	04/12/18 06:51	04/12/18 11:19	108-86-1	
Bromochloromethane	<1250	ug/kg	1250	9.1	04/12/18 06:51	04/12/18 11:19	74-97-5	
Bromodichloromethane	<1250	ug/kg	1250	9.1	04/12/18 06:51	04/12/18 11:19	75-27-4	
Bromoform	<1250	ug/kg	1250	9.1	04/12/18 06:51	04/12/18 11:19	75-25-2	
Bromomethane	<1250	ug/kg	1250	9.1	04/12/18 06:51	04/12/18 11:19	74-83-9	L2
2-Butanone (MEK)	<1250	ug/kg	1250	9.1	04/12/18 06:51	04/12/18 11:19	78-93-3	L1
n-Butylbenzene	<1250	ug/kg	1250	9.1	04/12/18 06:51	04/12/18 11:19	104-51-8	
sec-Butylbenzene	1820	ug/kg	1250	9.1	04/12/18 06:51	04/12/18 11:19	135-98-8	
tert-Butylbenzene	<1250	ug/kg	1250	9.1	04/12/18 06:51	04/12/18 11:19	98-06-6	
Carbon tetrachloride	<1250	ug/kg	1250	9.1	04/12/18 06:51	04/12/18 11:19	56-23-5	
Chlorobenzene	<1250	ug/kg	1250	9.1	04/12/18 06:51	04/12/18 11:19	108-90-7	
Chlorodifluoromethane	<1250	ug/kg	1250	9.1	04/12/18 06:51	04/12/18 11:19	75-45-6	N3
Chloroethane	<1250	ug/kg	1250	9.1	04/12/18 06:51	04/12/18 11:19	75-00-3	L2
Chloroform	<1250	ug/kg	1250	9.1	04/12/18 06:51	04/12/18 11:19	67-66-3	
Chloromethane	<1250	ug/kg	1250	9.1	04/12/18 06:51	04/12/18 11:19	74-87-3	
2-Chlorotoluene	<1250	ug/kg	1250	9.1	04/12/18 06:51	04/12/18 11:19	95-49-8	
4-Chlorotoluene	<1250	ug/kg	1250	9.1	04/12/18 06:51	04/12/18 11:19	106-43-4	
1,2-Dibromo-3-chloropropane	<1250	ug/kg	1250	9.1	04/12/18 06:51	04/12/18 11:19	96-12-8	
Dibromochloromethane	<1250	ug/kg	1250	9.1	04/12/18 06:51	04/12/18 11:19	124-48-1	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: FORMER COYNE TEXTILE FACILITY

Pace Project No.: 7047475

Sample: SOIL-116 Lab ID: 7047475001 Collected: 04/04/18 12:35 Received: 04/06/18 09:40 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035A-H Med Level		Analytical Method: EPA 8260C Preparation Method: EPA 5035A-H/5030C						
1,2-Dibromoethane (EDB)	<1250	ug/kg	1250	9.1	04/12/18 06:51	04/12/18 11:19	106-93-4	
Dibromomethane	<1250	ug/kg	1250	9.1	04/12/18 06:51	04/12/18 11:19	74-95-3	
1,2-Dichlorobenzene	<1250	ug/kg	1250	9.1	04/12/18 06:51	04/12/18 11:19	95-50-1	
1,3-Dichlorobenzene	<1250	ug/kg	1250	9.1	04/12/18 06:51	04/12/18 11:19	541-73-1	
1,4-Dichlorobenzene	<1250	ug/kg	1250	9.1	04/12/18 06:51	04/12/18 11:19	106-46-7	
Dichlorodifluoromethane	<1250	ug/kg	1250	9.1	04/12/18 06:51	04/12/18 11:19	75-71-8	CL
1,1-Dichloroethane	<1250	ug/kg	1250	9.1	04/12/18 06:51	04/12/18 11:19	75-34-3	
1,2-Dichloroethane	<1250	ug/kg	1250	9.1	04/12/18 06:51	04/12/18 11:19	107-06-2	
1,1-Dichloroethene	1450	ug/kg	1250	9.1	04/12/18 06:51	04/12/18 11:19	75-35-4	
cis-1,2-Dichloroethene	424000	ug/kg	12500	91	04/12/18 06:51	04/12/18 11:51	156-59-2	
trans-1,2-Dichloroethene	3460	ug/kg	1250	9.1	04/12/18 06:51	04/12/18 11:19	156-60-5	
1,2-Dichloropropane	<1250	ug/kg	1250	9.1	04/12/18 06:51	04/12/18 11:19	78-87-5	
1,3-Dichloropropane	<1250	ug/kg	1250	9.1	04/12/18 06:51	04/12/18 11:19	142-28-9	
2,2-Dichloropropane	<1250	ug/kg	1250	9.1	04/12/18 06:51	04/12/18 11:19	594-20-7	
1,1-Dichloropropene	<1250	ug/kg	1250	9.1	04/12/18 06:51	04/12/18 11:19	563-58-6	
cis-1,3-Dichloropropene	<1250	ug/kg	1250	9.1	04/12/18 06:51	04/12/18 11:19	10061-01-5	
trans-1,3-Dichloropropene	<1250	ug/kg	1250	9.1	04/12/18 06:51	04/12/18 11:19	10061-02-6	
1,4-Diethylbenzene	1280	ug/kg	1250	9.1	04/12/18 06:51	04/12/18 11:19	105-05-5	N3
Ethylbenzene	<1250	ug/kg	1250	9.1	04/12/18 06:51	04/12/18 11:19	100-41-4	
4-Ethyltoluene	2030	ug/kg	1250	9.1	04/12/18 06:51	04/12/18 11:19	622-96-8	N3
Hexachloro-1,3-butadiene	<1250	ug/kg	1250	9.1	04/12/18 06:51	04/12/18 11:19	87-68-3	CL
Isopropylbenzene (Cumene)	<1250	ug/kg	1250	9.1	04/12/18 06:51	04/12/18 11:19	98-82-8	
p-Isopropyltoluene	<1250	ug/kg	1250	9.1	04/12/18 06:51	04/12/18 11:19	99-87-6	
Methylene Chloride	<1250	ug/kg	1250	9.1	04/12/18 06:51	04/12/18 11:19	75-09-2	
4-Methyl-2-pentanone (MIBK)	<1250	ug/kg	1250	9.1	04/12/18 06:51	04/12/18 11:19	108-10-1	
Methyl-tert-butyl ether	<1250	ug/kg	1250	9.1	04/12/18 06:51	04/12/18 11:19	1634-04-4	
Naphthalene	<1250	ug/kg	1250	9.1	04/12/18 06:51	04/12/18 11:19	91-20-3	
n-Propylbenzene	2700	ug/kg	1250	9.1	04/12/18 06:51	04/12/18 11:19	103-65-1	
Styrene	<1250	ug/kg	1250	9.1	04/12/18 06:51	04/12/18 11:19	100-42-5	
1,1,1,2-Tetrachloroethane	<1250	ug/kg	1250	9.1	04/12/18 06:51	04/12/18 11:19	630-20-6	
1,1,2,2-Tetrachloroethane	<1250	ug/kg	1250	9.1	04/12/18 06:51	04/12/18 11:19	79-34-5	
Tetrachloroethene	460000	ug/kg	12500	91	04/12/18 06:51	04/12/18 11:51	127-18-4	
1,2,4,5-tetramethylbenzene	<1250	ug/kg	1250	9.1	04/12/18 06:51	04/12/18 11:19	95-93-2	N3
Toluene	<1250	ug/kg	1250	9.1	04/12/18 06:51	04/12/18 11:19	108-88-3	
1,2,3-Trichlorobenzene	<1250	ug/kg	1250	9.1	04/12/18 06:51	04/12/18 11:19	87-61-6	CL
1,2,4-Trichlorobenzene	<1250	ug/kg	1250	9.1	04/12/18 06:51	04/12/18 11:19	120-82-1	
1,1,1-Trichloroethane	<1250	ug/kg	1250	9.1	04/12/18 06:51	04/12/18 11:19	71-55-6	
1,1,2-Trichloroethane	<1250	ug/kg	1250	9.1	04/12/18 06:51	04/12/18 11:19	79-00-5	L2
Trichloroethene	38300	ug/kg	1250	9.1	04/12/18 06:51	04/12/18 11:19	79-01-6	
Trichlorofluoromethane	<1250	ug/kg	1250	9.1	04/12/18 06:51	04/12/18 11:19	75-69-4	L2
1,2,3-Trichloropropane	<1250	ug/kg	1250	9.1	04/12/18 06:51	04/12/18 11:19	96-18-4	
1,1,2-Trichlorotrifluoroethane	<1250	ug/kg	1250	9.1	04/12/18 06:51	04/12/18 11:19	76-13-1	
1,2,4-Trimethylbenzene	4310	ug/kg	1250	9.1	04/12/18 06:51	04/12/18 11:19	95-63-6	
1,3,5-Trimethylbenzene	2190	ug/kg	1250	9.1	04/12/18 06:51	04/12/18 11:19	108-67-8	
Vinyl chloride	12300	ug/kg	1250	9.1	04/12/18 06:51	04/12/18 11:19	75-01-4	
Xylene (Total)	<2500	ug/kg	2500	9.1	04/12/18 06:51	04/12/18 11:19	1330-20-7	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: FORMER COYNE TEXTILE FACILITY

Pace Project No.: 7047475

Sample: SOIL-116 **Lab ID: 7047475001** Collected: 04/04/18 12:35 Received: 04/06/18 09:40 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035A-H Med Level		Analytical Method: EPA 8260C Preparation Method: EPA 5035A-H/5030C						
m&p-Xylene	<2500	ug/kg	2500	9.1	04/12/18 06:51	04/12/18 11:19	179601-23-1	
o-Xylene	<1250	ug/kg	1250	9.1	04/12/18 06:51	04/12/18 11:19	95-47-6	
Surrogates								
Toluene-d8 (S)	93	%	43-157	9.1	04/12/18 06:51	04/12/18 11:19	2037-26-5	
4-Bromofluorobenzene (S)	118	%	34-145	9.1	04/12/18 06:51	04/12/18 11:19	460-00-4	
1,2-Dichloroethane-d4 (S)	113	%	33-150	9.1	04/12/18 06:51	04/12/18 11:19	17060-07-0	
Percent Moisture		Analytical Method: ASTM D2216-92M						
Percent Moisture	32.0	%	0.10	1		04/07/18 00:49		

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ANALYTICAL RESULTS

Project: FORMER COYNE TEXTILE FACILITY

Pace Project No.: 7047475

Sample: SOIL-117 Lab ID: 7047475002 Collected: 04/04/18 13:30 Received: 04/06/18 09:40 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8082 GCS PCB Analytical Method: EPA 8082A Preparation Method: EPA 3546								
PCB-1016 (Aroclor 1016)	<63.4	ug/kg	63.4	1	04/10/18 20:18	04/14/18 03:07	12674-11-2	
PCB-1221 (Aroclor 1221)	<129	ug/kg	129	1	04/10/18 20:18	04/14/18 03:07	11104-28-2	
PCB-1232 (Aroclor 1232)	<63.4	ug/kg	63.4	1	04/10/18 20:18	04/14/18 03:07	11141-16-5	
PCB-1242 (Aroclor 1242)	<63.4	ug/kg	63.4	1	04/10/18 20:18	04/14/18 03:07	53469-21-9	
PCB-1248 (Aroclor 1248)	<63.4	ug/kg	63.4	1	04/10/18 20:18	04/14/18 03:07	12672-29-6	
PCB-1254 (Aroclor 1254)	<63.4	ug/kg	63.4	1	04/10/18 20:18	04/14/18 03:07	11097-69-1	
PCB-1260 (Aroclor 1260)	<63.4	ug/kg	63.4	1	04/10/18 20:18	04/14/18 03:07	11096-82-5	
Surrogates								
Tetrachloro-m-xylene (S)	36	%	30-150	1	04/10/18 20:18	04/14/18 03:07	877-09-8	
Decachlorobiphenyl (S)	59	%	30-150	1	04/10/18 20:18	04/14/18 03:07	2051-24-3	
6010 MET ICP Analytical Method: EPA 6010C Preparation Method: EPA 3050B								
Aluminum	12400	mg/kg	19.2	1	04/09/18 11:14	04/11/18 03:30	7429-90-5	
Antimony	<5.8	mg/kg	5.8	1	04/09/18 11:14	04/11/18 03:30	7440-36-0	
Arsenic	3.4	mg/kg	0.96	1	04/09/18 11:14	04/11/18 03:30	7440-38-2	
Barium	85.9	mg/kg	19.2	1	04/09/18 11:14	04/11/18 03:30	7440-39-3	
Beryllium	0.66	mg/kg	0.48	1	04/09/18 11:14	04/11/18 03:30	7440-41-7	
Cadmium	0.65	mg/kg	0.24	1	04/09/18 11:14	04/11/18 03:30	7440-43-9	
Calcium	40200	mg/kg	95.8	1	04/09/18 11:14	04/11/18 03:30	7440-70-2	
Chromium	23.1	mg/kg	0.96	1	04/09/18 11:14	04/11/18 03:30	7440-47-3	
Cobalt	7.2	mg/kg	4.8	1	04/09/18 11:14	04/11/18 03:30	7440-48-4	
Copper	20.3	mg/kg	2.4	1	04/09/18 11:14	04/11/18 03:30	7440-50-8	
Iron	20300	mg/kg	9.6	1	04/09/18 11:14	04/11/18 03:30	7439-89-6	
Lead	28.9	mg/kg	0.48	1	04/09/18 11:14	04/11/18 03:30	7439-92-1	
Magnesium	8450	mg/kg	95.8	1	04/09/18 11:14	04/11/18 03:30	7439-95-4	
Manganese	232	mg/kg	1.4	1	04/09/18 11:14	04/11/18 03:30	7439-96-5	
Nickel	56.2	mg/kg	3.8	1	04/09/18 11:14	04/11/18 03:30	7440-02-0	
Potassium	1890	mg/kg	479	1	04/09/18 11:14	04/11/18 03:30	7440-09-7	
Selenium	2.5	mg/kg	0.96	1	04/09/18 11:14	04/11/18 03:30	7782-49-2	
Silver	<0.96	mg/kg	0.96	1	04/09/18 11:14	04/11/18 03:30	7440-22-4	
Sodium	495	mg/kg	479	1	04/09/18 11:14	04/11/18 03:30	7440-23-5	
Thallium	<0.96	mg/kg	0.96	1	04/09/18 11:14	04/11/18 03:30	7440-28-0	
Vanadium	17.1	mg/kg	4.8	1	04/09/18 11:14	04/11/18 03:30	7440-62-2	
Zinc	87.9	mg/kg	1.9	1	04/09/18 11:14	04/11/18 03:30	7440-66-6	
7471 Mercury Analytical Method: EPA 7471B Preparation Method: EPA 7471B								
Mercury	0.20	mg/kg	0.082	1	04/09/18 13:02	04/10/18 13:29	7439-97-6	
8270 MSSV Analytical Method: EPA 8270D Preparation Method: EPA 3545A								
1,2,4-Trichlorobenzene	<128	ug/kg	128	1	04/09/18 18:23	04/12/18 22:29	120-82-1	
2,2'-Oxybis(1-chloropropane)	<128	ug/kg	128	1	04/09/18 18:23	04/12/18 22:29	108-60-1	
2,4,5-Trichlorophenol	<128	ug/kg	128	1	04/09/18 18:23	04/12/18 22:29	95-95-4	
2,4,6-Trichlorophenol	<128	ug/kg	128	1	04/09/18 18:23	04/12/18 22:29	88-06-2	
2,4-Dichlorophenol	<128	ug/kg	128	1	04/09/18 18:23	04/12/18 22:29	120-83-2	
2,4-Dimethylphenol	<128	ug/kg	128	1	04/09/18 18:23	04/12/18 22:29	105-67-9	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: FORMER COYNE TEXTILE FACILITY

Pace Project No.: 7047475

Sample: SOIL-117 Lab ID: 7047475002 Collected: 04/04/18 13:30 Received: 04/06/18 09:40 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV								
Analytical Method: EPA 8270D Preparation Method: EPA 3545A								
2,4-Dinitrophenol	<1280	ug/kg	1280	1	04/09/18 18:23	04/12/18 22:29	51-28-5	
2,4-Dinitrotoluene	<630	ug/kg	630	1	04/09/18 18:23	04/12/18 22:29	121-14-2	
2,6-Dinitrotoluene	<630	ug/kg	630	1	04/09/18 18:23	04/12/18 22:29	606-20-2	
2-Chloronaphthalene	<128	ug/kg	128	1	04/09/18 18:23	04/12/18 22:29	91-58-7	
2-Chlorophenol	<128	ug/kg	128	1	04/09/18 18:23	04/12/18 22:29	95-57-8	
2-Methylnaphthalene	<128	ug/kg	128	1	04/09/18 18:23	04/12/18 22:29	91-57-6	
2-Methylphenol(o-Cresol)	<128	ug/kg	128	1	04/09/18 18:23	04/12/18 22:29	95-48-7	
2-Nitroaniline	<630	ug/kg	630	1	04/09/18 18:23	04/12/18 22:29	88-74-4	
2-Nitrophenol	<630	ug/kg	630	1	04/09/18 18:23	04/12/18 22:29	88-75-5	
3&4-Methylphenol(m&p Cresol)	<128	ug/kg	128	1	04/09/18 18:23	04/12/18 22:29		
3,3'-Dichlorobenzidine	<630	ug/kg	630	1	04/09/18 18:23	04/12/18 22:29	91-94-1	
3-Nitroaniline	<630	ug/kg	630	1	04/09/18 18:23	04/12/18 22:29	99-09-2	
4,6-Dinitro-2-methylphenol	<1280	ug/kg	1280	1	04/09/18 18:23	04/12/18 22:29	534-52-1	
4-Bromophenylphenyl ether	<128	ug/kg	128	1	04/09/18 18:23	04/12/18 22:29	101-55-3	
4-Chloro-3-methylphenol	<128	ug/kg	128	1	04/09/18 18:23	04/12/18 22:29	59-50-7	
4-Chloroaniline	<630	ug/kg	630	1	04/09/18 18:23	04/12/18 22:29	106-47-8	
4-Chlorophenylphenyl ether	<128	ug/kg	128	1	04/09/18 18:23	04/12/18 22:29	7005-72-3	
4-Nitroaniline	<630	ug/kg	630	1	04/09/18 18:23	04/12/18 22:29	100-01-6	L2
4-Nitrophenol	<1280	ug/kg	1280	1	04/09/18 18:23	04/12/18 22:29	100-02-7	
Acenaphthene	<128	ug/kg	128	1	04/09/18 18:23	04/12/18 22:29	83-32-9	
Acenaphthylene	<128	ug/kg	128	1	04/09/18 18:23	04/12/18 22:29	208-96-8	
Acetophenone	<128	ug/kg	128	1	04/09/18 18:23	04/12/18 22:29	98-86-2	
Anthracene	<128	ug/kg	128	1	04/09/18 18:23	04/12/18 22:29	120-12-7	
Atrazine	<128	ug/kg	128	1	04/09/18 18:23	04/12/18 22:29	1912-24-9	
Benzaldehyde	<128	ug/kg	128	1	04/09/18 18:23	04/12/18 22:29	100-52-7	CL,L2
Benzo(a)anthracene	128	ug/kg	128	1	04/09/18 18:23	04/12/18 22:29	56-55-3	
Benzo(a)pyrene	<128	ug/kg	128	1	04/09/18 18:23	04/12/18 22:29	50-32-8	
Benzo(b)fluoranthene	<128	ug/kg	128	1	04/09/18 18:23	04/12/18 22:29	205-99-2	
Benzo(g,h,i)perylene	<128	ug/kg	128	1	04/09/18 18:23	04/12/18 22:29	191-24-2	
Benzo(k)fluoranthene	<128	ug/kg	128	1	04/09/18 18:23	04/12/18 22:29	207-08-9	
Biphenyl (Diphenyl)	<128	ug/kg	128	1	04/09/18 18:23	04/12/18 22:29	92-52-4	
Butylbenzylphthalate	<128	ug/kg	128	1	04/09/18 18:23	04/12/18 22:29	85-68-7	
Caprolactam	<128	ug/kg	128	1	04/09/18 18:23	04/12/18 22:29	105-60-2	
Carbazole	<128	ug/kg	128	1	04/09/18 18:23	04/12/18 22:29	86-74-8	
Chrysene	<128	ug/kg	128	1	04/09/18 18:23	04/12/18 22:29	218-01-9	
Di-n-butylphthalate	<128	ug/kg	128	1	04/09/18 18:23	04/12/18 22:29	84-74-2	
Di-n-octylphthalate	<128	ug/kg	128	1	04/09/18 18:23	04/12/18 22:29	117-84-0	
Dibenz(a,h)anthracene	<128	ug/kg	128	1	04/09/18 18:23	04/12/18 22:29	53-70-3	
Dibenzofuran	<128	ug/kg	128	1	04/09/18 18:23	04/12/18 22:29	132-64-9	
Diethylphthalate	<128	ug/kg	128	1	04/09/18 18:23	04/12/18 22:29	84-66-2	
Dimethylphthalate	<128	ug/kg	128	1	04/09/18 18:23	04/12/18 22:29	131-11-3	
Fluoranthene	238	ug/kg	128	1	04/09/18 18:23	04/12/18 22:29	206-44-0	
Fluorene	<128	ug/kg	128	1	04/09/18 18:23	04/12/18 22:29	86-73-7	
Hexachloro-1,3-butadiene	<128	ug/kg	128	1	04/09/18 18:23	04/12/18 22:29	87-68-3	
Hexachlorobenzene	<128	ug/kg	128	1	04/09/18 18:23	04/12/18 22:29	118-74-1	
Hexachlorocyclopentadiene	<630	ug/kg	630	1	04/09/18 18:23	04/12/18 22:29	77-47-4	CL

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: FORMER COYNE TEXTILE FACILITY

Pace Project No.: 7047475

Sample: SOIL-117 **Lab ID: 7047475002** Collected: 04/04/18 13:30 Received: 04/06/18 09:40 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Analytical Method: EPA 8270D Preparation Method: EPA 3545A								
Hexachloroethane	<128	ug/kg	128	1	04/09/18 18:23	04/12/18 22:29	67-72-1	
Indeno(1,2,3-cd)pyrene	<128	ug/kg	128	1	04/09/18 18:23	04/12/18 22:29	193-39-5	
Isophorone	<128	ug/kg	128	1	04/09/18 18:23	04/12/18 22:29	78-59-1	
N-Nitroso-di-n-propylamine	<128	ug/kg	128	1	04/09/18 18:23	04/12/18 22:29	621-64-7	
N-Nitrosodiphenylamine	<128	ug/kg	128	1	04/09/18 18:23	04/12/18 22:29	86-30-6	
Naphthalene	<128	ug/kg	128	1	04/09/18 18:23	04/12/18 22:29	91-20-3	
Nitrobenzene	<128	ug/kg	128	1	04/09/18 18:23	04/12/18 22:29	98-95-3	
Pentachlorophenol	<1280	ug/kg	1280	1	04/09/18 18:23	04/12/18 22:29	87-86-5	
Phenanthrene	198	ug/kg	128	1	04/09/18 18:23	04/12/18 22:29	85-01-8	
Phenol	<128	ug/kg	128	1	04/09/18 18:23	04/12/18 22:29	108-95-2	
Pyrene	209	ug/kg	128	1	04/09/18 18:23	04/12/18 22:29	129-00-0	
bis(2-Chloroethoxy)methane	<128	ug/kg	128	1	04/09/18 18:23	04/12/18 22:29	111-91-1	
bis(2-Chloroethyl) ether	<128	ug/kg	128	1	04/09/18 18:23	04/12/18 22:29	111-44-4	
bis(2-Ethylhexyl)phthalate	<128	ug/kg	128	1	04/09/18 18:23	04/12/18 22:29	117-81-7	
Surrogates								
Nitrobenzene-d5 (S)	56	%	23-120	1	04/09/18 18:23	04/12/18 22:29	4165-60-0	
2-Fluorobiphenyl (S)	73	%	30-115	1	04/09/18 18:23	04/12/18 22:29	321-60-8	
p-Terphenyl-d14 (S)	81	%	18-137	1	04/09/18 18:23	04/12/18 22:29	1718-51-0	
Phenol-d5 (S)	60	%	24-113	1	04/09/18 18:23	04/12/18 22:29	4165-62-2	
2-Fluorophenol (S)	54	%	25-121	1	04/09/18 18:23	04/12/18 22:29	367-12-4	
2,4,6-Tribromophenol (S)	82	%	19-122	1	04/09/18 18:23	04/12/18 22:29	118-79-6	
2-Chlorophenol-d4 (S)	62	%	20-130	1	04/09/18 18:23	04/12/18 22:29	93951-73-6	
1,2-Dichlorobenzene-d4 (S)	55	%	20-130	1	04/09/18 18:23	04/12/18 22:29	2199-69-1	
8260 MSV 5035A-H Med Level Analytical Method: EPA 8260C Preparation Method: EPA 5035A-H/5030C								
Acetone	507	ug/kg	159	0.75	04/12/18 06:51	04/12/18 11:01	67-64-1	CH
Benzene	<159	ug/kg	159	0.75	04/12/18 06:51	04/12/18 11:01	71-43-2	
Bromobenzene	<159	ug/kg	159	0.75	04/12/18 06:51	04/12/18 11:01	108-86-1	
Bromochloromethane	<159	ug/kg	159	0.75	04/12/18 06:51	04/12/18 11:01	74-97-5	
Bromodichloromethane	<159	ug/kg	159	0.75	04/12/18 06:51	04/12/18 11:01	75-27-4	
Bromoform	<159	ug/kg	159	0.75	04/12/18 06:51	04/12/18 11:01	75-25-2	
Bromomethane	<159	ug/kg	159	0.75	04/12/18 06:51	04/12/18 11:01	74-83-9	L2,MO
2-Butanone (MEK)	<159	ug/kg	159	0.75	04/12/18 06:51	04/12/18 11:01	78-93-3	CH,IH, L1,MO
n-Butylbenzene	<159	ug/kg	159	0.75	04/12/18 06:51	04/12/18 11:01	104-51-8	
sec-Butylbenzene	<159	ug/kg	159	0.75	04/12/18 06:51	04/12/18 11:01	135-98-8	
tert-Butylbenzene	<159	ug/kg	159	0.75	04/12/18 06:51	04/12/18 11:01	98-06-6	
Carbon tetrachloride	<159	ug/kg	159	0.75	04/12/18 06:51	04/12/18 11:01	56-23-5	
Chlorobenzene	<159	ug/kg	159	0.75	04/12/18 06:51	04/12/18 11:01	108-90-7	
Chlorodifluoromethane	<159	ug/kg	159	0.75	04/12/18 06:51	04/12/18 11:01	75-45-6	N3
Chloroethane	<159	ug/kg	159	0.75	04/12/18 06:51	04/12/18 11:01	75-00-3	L2,MO
Chloroform	<159	ug/kg	159	0.75	04/12/18 06:51	04/12/18 11:01	67-66-3	
Chloromethane	<159	ug/kg	159	0.75	04/12/18 06:51	04/12/18 11:01	74-87-3	
2-Chlorotoluene	<159	ug/kg	159	0.75	04/12/18 06:51	04/12/18 11:01	95-49-8	
4-Chlorotoluene	<159	ug/kg	159	0.75	04/12/18 06:51	04/12/18 11:01	106-43-4	
1,2-Dibromo-3-chloropropane	<159	ug/kg	159	0.75	04/12/18 06:51	04/12/18 11:01	96-12-8	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: FORMER COYNE TEXTILE FACILITY

Pace Project No.: 7047475

Sample: SOIL-117 Lab ID: 7047475002 Collected: 04/04/18 13:30 Received: 04/06/18 09:40 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035A-H Med Level		Analytical Method: EPA 8260C Preparation Method: EPA 5035A-H/5030C						
Dibromochloromethane	<159	ug/kg	159	0.75	04/12/18 06:51	04/12/18 11:01	124-48-1	M1
1,2-Dibromoethane (EDB)	<159	ug/kg	159	0.75	04/12/18 06:51	04/12/18 11:01	106-93-4	
Dibromomethane	<159	ug/kg	159	0.75	04/12/18 06:51	04/12/18 11:01	74-95-3	
1,2-Dichlorobenzene	<159	ug/kg	159	0.75	04/12/18 06:51	04/12/18 11:01	95-50-1	
1,3-Dichlorobenzene	<159	ug/kg	159	0.75	04/12/18 06:51	04/12/18 11:01	541-73-1	
1,4-Dichlorobenzene	<159	ug/kg	159	0.75	04/12/18 06:51	04/12/18 11:01	106-46-7	
Dichlorodifluoromethane	<159	ug/kg	159	0.75	04/12/18 06:51	04/12/18 11:01	75-71-8	CL
1,1-Dichloroethane	<159	ug/kg	159	0.75	04/12/18 06:51	04/12/18 11:01	75-34-3	
1,2-Dichloroethane	<159	ug/kg	159	0.75	04/12/18 06:51	04/12/18 11:01	107-06-2	
1,1-Dichloroethene	<159	ug/kg	159	0.75	04/12/18 06:51	04/12/18 11:01	75-35-4	
cis-1,2-Dichloroethene	<159	ug/kg	159	0.75	04/12/18 06:51	04/12/18 11:01	156-59-2	
trans-1,2-Dichloroethene	<159	ug/kg	159	0.75	04/12/18 06:51	04/12/18 11:01	156-60-5	
1,2-Dichloropropane	<159	ug/kg	159	0.75	04/12/18 06:51	04/12/18 11:01	78-87-5	
1,3-Dichloropropane	<159	ug/kg	159	0.75	04/12/18 06:51	04/12/18 11:01	142-28-9	
2,2-Dichloropropane	<159	ug/kg	159	0.75	04/12/18 06:51	04/12/18 11:01	594-20-7	
1,1-Dichloropropene	<159	ug/kg	159	0.75	04/12/18 06:51	04/12/18 11:01	563-58-6	
cis-1,3-Dichloropropene	<159	ug/kg	159	0.75	04/12/18 06:51	04/12/18 11:01	10061-01-5	
trans-1,3-Dichloropropene	<159	ug/kg	159	0.75	04/12/18 06:51	04/12/18 11:01	10061-02-6	
1,4-Diethylbenzene	<159	ug/kg	159	0.75	04/12/18 06:51	04/12/18 11:01	105-05-5	N3
Ethylbenzene	<159	ug/kg	159	0.75	04/12/18 06:51	04/12/18 11:01	100-41-4	
4-Ethyltoluene	<159	ug/kg	159	0.75	04/12/18 06:51	04/12/18 11:01	622-96-8	N3
Hexachloro-1,3-butadiene	<159	ug/kg	159	0.75	04/12/18 06:51	04/12/18 11:01	87-68-3	CL
Isopropylbenzene (Cumene)	<159	ug/kg	159	0.75	04/12/18 06:51	04/12/18 11:01	98-82-8	
p-Isopropyltoluene	<159	ug/kg	159	0.75	04/12/18 06:51	04/12/18 11:01	99-87-6	
Methylene Chloride	<159	ug/kg	159	0.75	04/12/18 06:51	04/12/18 11:01	75-09-2	
4-Methyl-2-pentanone (MIBK)	<159	ug/kg	159	0.75	04/12/18 06:51	04/12/18 11:01	108-10-1	
Methyl-tert-butyl ether	<159	ug/kg	159	0.75	04/12/18 06:51	04/12/18 11:01	1634-04-4	
Naphthalene	<159	ug/kg	159	0.75	04/12/18 06:51	04/12/18 11:01	91-20-3	
n-Propylbenzene	<159	ug/kg	159	0.75	04/12/18 06:51	04/12/18 11:01	103-65-1	
Styrene	<159	ug/kg	159	0.75	04/12/18 06:51	04/12/18 11:01	100-42-5	
1,1,1,2-Tetrachloroethane	<159	ug/kg	159	0.75	04/12/18 06:51	04/12/18 11:01	630-20-6	
1,1,2,2-Tetrachloroethane	<159	ug/kg	159	0.75	04/12/18 06:51	04/12/18 11:01	79-34-5	
Tetrachloroethene	<159	ug/kg	159	0.75	04/12/18 06:51	04/12/18 11:01	127-18-4	
1,2,4,5-tetramethylbenzene	<159	ug/kg	159	0.75	04/12/18 06:51	04/12/18 11:01	95-93-2	N3
Toluene	<159	ug/kg	159	0.75	04/12/18 06:51	04/12/18 11:01	108-88-3	
1,2,3-Trichlorobenzene	<159	ug/kg	159	0.75	04/12/18 06:51	04/12/18 11:01	87-61-6	CL
1,2,4-Trichlorobenzene	<159	ug/kg	159	0.75	04/12/18 06:51	04/12/18 11:01	120-82-1	
1,1,1-Trichloroethane	<159	ug/kg	159	0.75	04/12/18 06:51	04/12/18 11:01	71-55-6	
1,1,2-Trichloroethane	<159	ug/kg	159	0.75	04/12/18 06:51	04/12/18 11:01	79-00-5	L2
Trichloroethene	<159	ug/kg	159	0.75	04/12/18 06:51	04/12/18 11:01	79-01-6	
Trichlorofluoromethane	<159	ug/kg	159	0.75	04/12/18 06:51	04/12/18 11:01	75-69-4	L2
1,2,3-Trichloropropane	<159	ug/kg	159	0.75	04/12/18 06:51	04/12/18 11:01	96-18-4	
1,1,2-Trichlorotrifluoroethane	<159	ug/kg	159	0.75	04/12/18 06:51	04/12/18 11:01	76-13-1	
1,2,4-Trimethylbenzene	<159	ug/kg	159	0.75	04/12/18 06:51	04/12/18 11:01	95-63-6	
1,3,5-Trimethylbenzene	<159	ug/kg	159	0.75	04/12/18 06:51	04/12/18 11:01	108-67-8	
Vinyl chloride	<159	ug/kg	159	0.75	04/12/18 06:51	04/12/18 11:01	75-01-4	

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ANALYTICAL RESULTS

Project: FORMER COYNE TEXTILE FACILITY

Pace Project No.: 7047475

Sample: SOIL-117 **Lab ID: 7047475002** Collected: 04/04/18 13:30 Received: 04/06/18 09:40 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035A-H Med Level		Analytical Method: EPA 8260C Preparation Method: EPA 5035A-H/5030C						
Xylene (Total)	<319	ug/kg	319	0.75	04/12/18 06:51	04/12/18 11:01	1330-20-7	
m&p-Xylene	<319	ug/kg	319	0.75	04/12/18 06:51	04/12/18 11:01	179601-23-1	
o-Xylene	<159	ug/kg	159	0.75	04/12/18 06:51	04/12/18 11:01	95-47-6	
Surrogates								
Toluene-d8 (S)	95	%	43-157	0.75	04/12/18 06:51	04/12/18 11:01	2037-26-5	
4-Bromofluorobenzene (S)	94	%	34-145	0.75	04/12/18 06:51	04/12/18 11:01	460-00-4	
1,2-Dichloroethane-d4 (S)	112	%	33-150	0.75	04/12/18 06:51	04/12/18 11:01	17060-07-0	
Percent Moisture		Analytical Method: ASTM D2216-92M						
Percent Moisture	47.9	%	0.10	1		04/07/18 00:49		

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ANALYTICAL RESULTS

Project: FORMER COYNE TEXTILE FACILITY
Pace Project No.: 7047475

Sample: SOIL-118 **Lab ID: 7047475003** Collected: 04/04/18 15:30 Received: 04/06/18 09:40 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8082 GCS PCB Analytical Method: EPA 8082A Preparation Method: EPA 3546								
PCB-1016 (Aroclor 1016)	<41.0	ug/kg	41.0	1	04/10/18 20:18	04/14/18 03:20	12674-11-2	
PCB-1221 (Aroclor 1221)	<83.2	ug/kg	83.2	1	04/10/18 20:18	04/14/18 03:20	11104-28-2	
PCB-1232 (Aroclor 1232)	<41.0	ug/kg	41.0	1	04/10/18 20:18	04/14/18 03:20	11141-16-5	
PCB-1242 (Aroclor 1242)	<41.0	ug/kg	41.0	1	04/10/18 20:18	04/14/18 03:20	53469-21-9	
PCB-1248 (Aroclor 1248)	<41.0	ug/kg	41.0	1	04/10/18 20:18	04/14/18 03:20	12672-29-6	
PCB-1254 (Aroclor 1254)	<41.0	ug/kg	41.0	1	04/10/18 20:18	04/14/18 03:20	11097-69-1	
PCB-1260 (Aroclor 1260)	143	ug/kg	41.0	1	04/10/18 20:18	04/14/18 03:20	11096-82-5	
Surrogates								
Tetrachloro-m-xylene (S)	39	%	30-150	1	04/10/18 20:18	04/14/18 03:20	877-09-8	
Decachlorobiphenyl (S)	67	%	30-150	1	04/10/18 20:18	04/14/18 03:20	2051-24-3	
6010 MET ICP Analytical Method: EPA 6010C Preparation Method: EPA 3050B								
Aluminum	8120	mg/kg	12.6	1	04/09/18 11:14	04/11/18 03:35	7429-90-5	
Antimony	<3.8	mg/kg	3.8	1	04/09/18 11:14	04/11/18 03:35	7440-36-0	
Arsenic	5.0	mg/kg	0.63	1	04/09/18 11:14	04/11/18 03:35	7440-38-2	
Barium	53.5	mg/kg	12.6	1	04/09/18 11:14	04/11/18 03:35	7440-39-3	
Beryllium	0.38	mg/kg	0.31	1	04/09/18 11:14	04/11/18 03:35	7440-41-7	
Cadmium	0.48	mg/kg	0.16	1	04/09/18 11:14	04/11/18 03:35	7440-43-9	
Calcium	31700	mg/kg	62.9	1	04/09/18 11:14	04/11/18 03:35	7440-70-2	
Chromium	14.6	mg/kg	0.63	1	04/09/18 11:14	04/11/18 03:35	7440-47-3	
Cobalt	6.5	mg/kg	3.1	1	04/09/18 11:14	04/11/18 03:35	7440-48-4	
Copper	16.2	mg/kg	1.6	1	04/09/18 11:14	04/11/18 03:35	7440-50-8	
Iron	15000	mg/kg	6.3	1	04/09/18 11:14	04/11/18 03:35	7439-89-6	
Lead	24.6	mg/kg	0.31	1	04/09/18 11:14	04/11/18 03:35	7439-92-1	
Magnesium	6560	mg/kg	62.9	1	04/09/18 11:14	04/11/18 03:35	7439-95-4	
Manganese	332	mg/kg	0.94	1	04/09/18 11:14	04/11/18 03:35	7439-96-5	
Nickel	24.6	mg/kg	2.5	1	04/09/18 11:14	04/11/18 03:35	7440-02-0	
Potassium	848	mg/kg	314	1	04/09/18 11:14	04/11/18 03:35	7440-09-7	
Selenium	1.1	mg/kg	0.63	1	04/09/18 11:14	04/11/18 03:35	7782-49-2	
Silver	<0.63	mg/kg	0.63	1	04/09/18 11:14	04/11/18 03:35	7440-22-4	
Sodium	<314	mg/kg	314	1	04/09/18 11:14	04/11/18 03:35	7440-23-5	
Thallium	<0.63	mg/kg	0.63	1	04/09/18 11:14	04/11/18 03:35	7440-28-0	
Vanadium	12.5	mg/kg	3.1	1	04/09/18 11:14	04/11/18 03:35	7440-62-2	
Zinc	56.1	mg/kg	1.3	1	04/09/18 11:14	04/11/18 03:35	7440-66-6	
7471 Mercury Analytical Method: EPA 7471B Preparation Method: EPA 7471B								
Mercury	0.13	mg/kg	0.050	1	04/09/18 13:02	04/10/18 13:32	7439-97-6	
8270 MSSV Analytical Method: EPA 8270D Preparation Method: EPA 3545A								
1,2,4-Trichlorobenzene	<82.8	ug/kg	82.8	1	04/09/18 18:23	04/12/18 23:51	120-82-1	
2,2'-Oxybis(1-chloropropane)	<82.8	ug/kg	82.8	1	04/09/18 18:23	04/12/18 23:51	108-60-1	
2,4,5-Trichlorophenol	<82.8	ug/kg	82.8	1	04/09/18 18:23	04/12/18 23:51	95-95-4	
2,4,6-Trichlorophenol	<82.8	ug/kg	82.8	1	04/09/18 18:23	04/12/18 23:51	88-06-2	
2,4-Dichlorophenol	<82.8	ug/kg	82.8	1	04/09/18 18:23	04/12/18 23:51	120-83-2	
2,4-Dimethylphenol	<82.8	ug/kg	82.8	1	04/09/18 18:23	04/12/18 23:51	105-67-9	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: FORMER COYNE TEXTILE FACILITY

Pace Project No.: 7047475

Sample: SOIL-118 Lab ID: 7047475003 Collected: 04/04/18 15:30 Received: 04/06/18 09:40 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Analytical Method: EPA 8270D Preparation Method: EPA 3545A								
2,4-Dinitrophenol	<828	ug/kg	828	1	04/09/18 18:23	04/12/18 23:51	51-28-5	
2,4-Dinitrotoluene	<408	ug/kg	408	1	04/09/18 18:23	04/12/18 23:51	121-14-2	
2,6-Dinitrotoluene	<408	ug/kg	408	1	04/09/18 18:23	04/12/18 23:51	606-20-2	
2-Chloronaphthalene	<82.8	ug/kg	82.8	1	04/09/18 18:23	04/12/18 23:51	91-58-7	
2-Chlorophenol	<82.8	ug/kg	82.8	1	04/09/18 18:23	04/12/18 23:51	95-57-8	
2-Methylnaphthalene	<82.8	ug/kg	82.8	1	04/09/18 18:23	04/12/18 23:51	91-57-6	
2-Methylphenol(o-Cresol)	<82.8	ug/kg	82.8	1	04/09/18 18:23	04/12/18 23:51	95-48-7	
2-Nitroaniline	<408	ug/kg	408	1	04/09/18 18:23	04/12/18 23:51	88-74-4	
2-Nitrophenol	<408	ug/kg	408	1	04/09/18 18:23	04/12/18 23:51	88-75-5	
3&4-Methylphenol(m&p Cresol)	<82.8	ug/kg	82.8	1	04/09/18 18:23	04/12/18 23:51		
3,3'-Dichlorobenzidine	<408	ug/kg	408	1	04/09/18 18:23	04/12/18 23:51	91-94-1	
3-Nitroaniline	<408	ug/kg	408	1	04/09/18 18:23	04/12/18 23:51	99-09-2	
4,6-Dinitro-2-methylphenol	<828	ug/kg	828	1	04/09/18 18:23	04/12/18 23:51	534-52-1	
4-Bromophenylphenyl ether	<82.8	ug/kg	82.8	1	04/09/18 18:23	04/12/18 23:51	101-55-3	
4-Chloro-3-methylphenol	<82.8	ug/kg	82.8	1	04/09/18 18:23	04/12/18 23:51	59-50-7	
4-Chloroaniline	<408	ug/kg	408	1	04/09/18 18:23	04/12/18 23:51	106-47-8	
4-Chlorophenylphenyl ether	<82.8	ug/kg	82.8	1	04/09/18 18:23	04/12/18 23:51	7005-72-3	
4-Nitroaniline	<408	ug/kg	408	1	04/09/18 18:23	04/12/18 23:51	100-01-6	L2
4-Nitrophenol	<828	ug/kg	828	1	04/09/18 18:23	04/12/18 23:51	100-02-7	
Acenaphthene	<82.8	ug/kg	82.8	1	04/09/18 18:23	04/12/18 23:51	83-32-9	
Acenaphthylene	113	ug/kg	82.8	1	04/09/18 18:23	04/12/18 23:51	208-96-8	
Acetophenone	<82.8	ug/kg	82.8	1	04/09/18 18:23	04/12/18 23:51	98-86-2	
Anthracene	368	ug/kg	82.8	1	04/09/18 18:23	04/12/18 23:51	120-12-7	
Atrazine	<82.8	ug/kg	82.8	1	04/09/18 18:23	04/12/18 23:51	1912-24-9	
Benzaldehyde	<82.8	ug/kg	82.8	1	04/09/18 18:23	04/12/18 23:51	100-52-7	CL,L2
Benzo(a)anthracene	941	ug/kg	82.8	1	04/09/18 18:23	04/12/18 23:51	56-55-3	
Benzo(a)pyrene	602	ug/kg	82.8	1	04/09/18 18:23	04/12/18 23:51	50-32-8	
Benzo(b)fluoranthene	714	ug/kg	82.8	1	04/09/18 18:23	04/12/18 23:51	205-99-2	
Benzo(g,h,i)perylene	158	ug/kg	82.8	1	04/09/18 18:23	04/12/18 23:51	191-24-2	
Benzo(k)fluoranthene	451	ug/kg	82.8	1	04/09/18 18:23	04/12/18 23:51	207-08-9	
Biphenyl (Diphenyl)	<82.8	ug/kg	82.8	1	04/09/18 18:23	04/12/18 23:51	92-52-4	
Butylbenzylphthalate	<82.8	ug/kg	82.8	1	04/09/18 18:23	04/12/18 23:51	85-68-7	
Caprolactam	<82.8	ug/kg	82.8	1	04/09/18 18:23	04/12/18 23:51	105-60-2	
Carbazole	<82.8	ug/kg	82.8	1	04/09/18 18:23	04/12/18 23:51	86-74-8	
Chrysene	794	ug/kg	82.8	1	04/09/18 18:23	04/12/18 23:51	218-01-9	
Di-n-butylphthalate	<82.8	ug/kg	82.8	1	04/09/18 18:23	04/12/18 23:51	84-74-2	
Di-n-octylphthalate	<82.8	ug/kg	82.8	1	04/09/18 18:23	04/12/18 23:51	117-84-0	
Dibenz(a,h)anthracene	<82.8	ug/kg	82.8	1	04/09/18 18:23	04/12/18 23:51	53-70-3	
Dibenzofuran	<82.8	ug/kg	82.8	1	04/09/18 18:23	04/12/18 23:51	132-64-9	
Diethylphthalate	<82.8	ug/kg	82.8	1	04/09/18 18:23	04/12/18 23:51	84-66-2	
Dimethylphthalate	<82.8	ug/kg	82.8	1	04/09/18 18:23	04/12/18 23:51	131-11-3	
Fluoranthene	1460	ug/kg	82.8	1	04/09/18 18:23	04/12/18 23:51	206-44-0	
Fluorene	136	ug/kg	82.8	1	04/09/18 18:23	04/12/18 23:51	86-73-7	
Hexachloro-1,3-butadiene	<82.8	ug/kg	82.8	1	04/09/18 18:23	04/12/18 23:51	87-68-3	
Hexachlorobenzene	<82.8	ug/kg	82.8	1	04/09/18 18:23	04/12/18 23:51	118-74-1	
Hexachlorocyclopentadiene	<408	ug/kg	408	1	04/09/18 18:23	04/12/18 23:51	77-47-4	CL

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: FORMER COYNE TEXTILE FACILITY

Pace Project No.: 7047475

Sample: SOIL-118 **Lab ID: 7047475003** Collected: 04/04/18 15:30 Received: 04/06/18 09:40 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Analytical Method: EPA 8270D Preparation Method: EPA 3545A								
Hexachloroethane	<82.8	ug/kg	82.8	1	04/09/18 18:23	04/12/18 23:51	67-72-1	
Indeno(1,2,3-cd)pyrene	191	ug/kg	82.8	1	04/09/18 18:23	04/12/18 23:51	193-39-5	
Isophorone	<82.8	ug/kg	82.8	1	04/09/18 18:23	04/12/18 23:51	78-59-1	
N-Nitroso-di-n-propylamine	<82.8	ug/kg	82.8	1	04/09/18 18:23	04/12/18 23:51	621-64-7	
N-Nitrosodiphenylamine	<82.8	ug/kg	82.8	1	04/09/18 18:23	04/12/18 23:51	86-30-6	
Naphthalene	<82.8	ug/kg	82.8	1	04/09/18 18:23	04/12/18 23:51	91-20-3	
Nitrobenzene	<82.8	ug/kg	82.8	1	04/09/18 18:23	04/12/18 23:51	98-95-3	
Pentachlorophenol	<828	ug/kg	828	1	04/09/18 18:23	04/12/18 23:51	87-86-5	
Phenanthrene	1050	ug/kg	82.8	1	04/09/18 18:23	04/12/18 23:51	85-01-8	
Phenol	<82.8	ug/kg	82.8	1	04/09/18 18:23	04/12/18 23:51	108-95-2	
Pyrene	1500	ug/kg	82.8	1	04/09/18 18:23	04/12/18 23:51	129-00-0	
bis(2-Chloroethoxy)methane	<82.8	ug/kg	82.8	1	04/09/18 18:23	04/12/18 23:51	111-91-1	
bis(2-Chloroethyl) ether	<82.8	ug/kg	82.8	1	04/09/18 18:23	04/12/18 23:51	111-44-4	
bis(2-Ethylhexyl)phthalate	<82.8	ug/kg	82.8	1	04/09/18 18:23	04/12/18 23:51	117-81-7	
Surrogates								
Nitrobenzene-d5 (S)	34	%	23-120	1	04/09/18 18:23	04/12/18 23:51	4165-60-0	
2-Fluorobiphenyl (S)	56	%	30-115	1	04/09/18 18:23	04/12/18 23:51	321-60-8	
p-Terphenyl-d14 (S)	80	%	18-137	1	04/09/18 18:23	04/12/18 23:51	1718-51-0	
Phenol-d5 (S)	45	%	24-113	1	04/09/18 18:23	04/12/18 23:51	4165-62-2	
2-Fluorophenol (S)	39	%	25-121	1	04/09/18 18:23	04/12/18 23:51	367-12-4	
2,4,6-Tribromophenol (S)	50	%	19-122	1	04/09/18 18:23	04/12/18 23:51	118-79-6	
2-Chlorophenol-d4 (S)	44	%	20-130	1	04/09/18 18:23	04/12/18 23:51	93951-73-6	
1,2-Dichlorobenzene-d4 (S)	43	%	20-130	1	04/09/18 18:23	04/12/18 23:51	2199-69-1	
8260C MSV 5035A-L Low Level Analytical Method: EPA 8260C Preparation Method: EPA 5035A-L								
1,1,1-Trichloroethane	<2.5	ug/kg	2.5	1	04/11/18 06:44	04/11/18 19:10	71-55-6	
1,1,2,2-Tetrachloroethane	<2.5	ug/kg	2.5	1	04/11/18 06:44	04/11/18 19:10	79-34-5	
1,1,2-Trichloroethane	<2.5	ug/kg	2.5	1	04/11/18 06:44	04/11/18 19:10	79-00-5	
1,1,2-Trichlorotrifluoroethane	<2.5	ug/kg	2.5	1	04/11/18 06:44	04/11/18 19:10	76-13-1	CL
1,1-Dichloroethane	<2.5	ug/kg	2.5	1	04/11/18 06:44	04/11/18 19:10	75-34-3	
1,1-Dichloroethene	<2.5	ug/kg	2.5	1	04/11/18 06:44	04/11/18 19:10	75-35-4	
1,2,4-Trichlorobenzene	<2.5	ug/kg	2.5	1	04/11/18 06:44	04/11/18 19:10	120-82-1	
1,2-Dibromo-3-chloropropane	<2.5	ug/kg	2.5	1	04/11/18 06:44	04/11/18 19:10	96-12-8	
1,2-Dibromoethane (EDB)	<2.5	ug/kg	2.5	1	04/11/18 06:44	04/11/18 19:10	106-93-4	
1,2-Dichlorobenzene	<2.5	ug/kg	2.5	1	04/11/18 06:44	04/11/18 19:10	95-50-1	
1,2-Dichloroethane	<2.5	ug/kg	2.5	1	04/11/18 06:44	04/11/18 19:10	107-06-2	
1,2-Dichloropropane	<2.5	ug/kg	2.5	1	04/11/18 06:44	04/11/18 19:10	78-87-5	
1,3-Dichlorobenzene	<2.5	ug/kg	2.5	1	04/11/18 06:44	04/11/18 19:10	541-73-1	
1,4-Dichlorobenzene	<2.5	ug/kg	2.5	1	04/11/18 06:44	04/11/18 19:10	106-46-7	
2-Butanone (MEK)	16.8	ug/kg	2.5	1	04/11/18 06:44	04/11/18 19:10	78-93-3	
2-Hexanone	<2.5	ug/kg	2.5	1	04/11/18 06:44	04/11/18 19:10	591-78-6	
4-Methyl-2-pentanone (MIBK)	<2.5	ug/kg	2.5	1	04/11/18 06:44	04/11/18 19:10	108-10-1	
Acetone	60.1	ug/kg	2.5	1	04/11/18 06:44	04/11/18 19:10	67-64-1	D6,IH
Benzene	<2.5	ug/kg	2.5	1	04/11/18 06:44	04/11/18 19:10	71-43-2	
Bromodichloromethane	<2.5	ug/kg	2.5	1	04/11/18 06:44	04/11/18 19:10	75-27-4	
Bromoform	<2.5	ug/kg	2.5	1	04/11/18 06:44	04/11/18 19:10	75-25-2	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: FORMER COYNE TEXTILE FACILITY

Pace Project No.: 7047475

Sample: SOIL-118 **Lab ID: 7047475003** Collected: 04/04/18 15:30 Received: 04/06/18 09:40 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260C MSV 5035A-L Low Level		Analytical Method: EPA 8260C Preparation Method: EPA 5035A-L						
Bromomethane	<2.5	ug/kg	2.5	1	04/11/18 06:44	04/11/18 19:10	74-83-9	
Carbon disulfide	<2.5	ug/kg	2.5	1	04/11/18 06:44	04/11/18 19:10	75-15-0	
Carbon tetrachloride	<2.5	ug/kg	2.5	1	04/11/18 06:44	04/11/18 19:10	56-23-5	
Chlorobenzene	<2.5	ug/kg	2.5	1	04/11/18 06:44	04/11/18 19:10	108-90-7	
Chloroethane	<2.5	ug/kg	2.5	1	04/11/18 06:44	04/11/18 19:10	75-00-3	
Chloroform	<2.5	ug/kg	2.5	1	04/11/18 06:44	04/11/18 19:10	67-66-3	
Chloromethane	<2.5	ug/kg	2.5	1	04/11/18 06:44	04/11/18 19:10	74-87-3	
Cyclohexane	<2.5	ug/kg	2.5	1	04/11/18 06:44	04/11/18 19:10	110-82-7	
Dibromochloromethane	<2.5	ug/kg	2.5	1	04/11/18 06:44	04/11/18 19:10	124-48-1	
Dichlorodifluoromethane	<2.5	ug/kg	2.5	1	04/11/18 06:44	04/11/18 19:10	75-71-8	CL
Ethylbenzene	<2.5	ug/kg	2.5	1	04/11/18 06:44	04/11/18 19:10	100-41-4	
Isopropylbenzene (Cumene)	<2.5	ug/kg	2.5	1	04/11/18 06:44	04/11/18 19:10	98-82-8	
Methyl acetate	<2.5	ug/kg	2.5	1	04/11/18 06:44	04/11/18 19:10	79-20-9	
Methyl-tert-butyl ether	<2.5	ug/kg	2.5	1	04/11/18 06:44	04/11/18 19:10	1634-04-4	
Methylcyclohexane	4.6	ug/kg	2.5	1	04/11/18 06:44	04/11/18 19:10	108-87-2	D6
Methylene Chloride	<2.5	ug/kg	2.5	1	04/11/18 06:44	04/11/18 19:10	75-09-2	
Styrene	<2.5	ug/kg	2.5	1	04/11/18 06:44	04/11/18 19:10	100-42-5	
Tetrachloroethene	3.1	ug/kg	2.5	1	04/11/18 06:44	04/11/18 19:10	127-18-4	D6
Toluene	<2.5	ug/kg	2.5	1	04/11/18 06:44	04/11/18 19:10	108-88-3	
Trichloroethene	<2.5	ug/kg	2.5	1	04/11/18 06:44	04/11/18 19:10	79-01-6	
Trichlorofluoromethane	<2.5	ug/kg	2.5	1	04/11/18 06:44	04/11/18 19:10	75-69-4	
Vinyl chloride	<2.5	ug/kg	2.5	1	04/11/18 06:44	04/11/18 19:10	75-01-4	CL
Xylene (Total)	<5.1	ug/kg	5.1	1	04/11/18 06:44	04/11/18 19:10	1330-20-7	
cis-1,2-Dichloroethene	<2.5	ug/kg	2.5	1	04/11/18 06:44	04/11/18 19:10	156-59-2	
cis-1,3-Dichloropropene	<2.5	ug/kg	2.5	1	04/11/18 06:44	04/11/18 19:10	10061-01-5	
trans-1,2-Dichloroethene	<2.5	ug/kg	2.5	1	04/11/18 06:44	04/11/18 19:10	156-60-5	
trans-1,3-Dichloropropene	<2.5	ug/kg	2.5	1	04/11/18 06:44	04/11/18 19:10	10061-02-6	
Surrogates								
Toluene-d8 (S)	90	%	43-157	1	04/11/18 06:44	04/11/18 19:10	2037-26-5	
4-Bromofluorobenzene (S)	100	%	34-145	1	04/11/18 06:44	04/11/18 19:10	460-00-4	
1,2-Dichloroethane-d4 (S)	116	%	33-150	1	04/11/18 06:44	04/11/18 19:10	17060-07-0	
Percent Moisture		Analytical Method: ASTM D2216-92M						
Percent Moisture	19.4	%	0.10	1		04/07/18 00:49		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: FORMER COYNE TEXTILE FACILITY

Pace Project No.: 7047475

Sample: SOIL-119 **Lab ID: 7047475004** Collected: 04/04/18 13:05 Received: 04/06/18 09:40 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8082 GCS PCB Analytical Method: EPA 8082A Preparation Method: EPA 3546								
PCB-1016 (Aroclor 1016)	<46.9	ug/kg	46.9	1	04/10/18 20:18	04/14/18 03:33	12674-11-2	
PCB-1221 (Aroclor 1221)	<95.1	ug/kg	95.1	1	04/10/18 20:18	04/14/18 03:33	11104-28-2	
PCB-1232 (Aroclor 1232)	<46.9	ug/kg	46.9	1	04/10/18 20:18	04/14/18 03:33	11141-16-5	
PCB-1242 (Aroclor 1242)	263	ug/kg	46.9	1	04/10/18 20:18	04/14/18 03:33	53469-21-9	
PCB-1248 (Aroclor 1248)	<46.9	ug/kg	46.9	1	04/10/18 20:18	04/14/18 03:33	12672-29-6	
PCB-1254 (Aroclor 1254)	<46.9	ug/kg	46.9	1	04/10/18 20:18	04/14/18 03:33	11097-69-1	
PCB-1260 (Aroclor 1260)	<46.9	ug/kg	46.9	1	04/10/18 20:18	04/14/18 03:33	11096-82-5	
Surrogates								
Tetrachloro-m-xylene (S)	31	%	30-150	1	04/10/18 20:18	04/14/18 03:33	877-09-8	
Decachlorobiphenyl (S)	48	%	30-150	1	04/10/18 20:18	04/14/18 03:33	2051-24-3	
6010 MET ICP Analytical Method: EPA 6010C Preparation Method: EPA 3050B								
Aluminum	3630	mg/kg	14.4	1	04/09/18 11:14	04/11/18 03:40	7429-90-5	
Antimony	<4.3	mg/kg	4.3	1	04/09/18 11:14	04/11/18 03:40	7440-36-0	
Arsenic	4.0	mg/kg	0.72	1	04/09/18 11:14	04/11/18 03:40	7440-38-2	
Barium	44.0	mg/kg	14.4	1	04/09/18 11:14	04/11/18 03:40	7440-39-3	
Beryllium	<0.36	mg/kg	0.36	1	04/09/18 11:14	04/11/18 03:40	7440-41-7	
Cadmium	0.25	mg/kg	0.18	1	04/09/18 11:14	04/11/18 03:40	7440-43-9	
Calcium	29700	mg/kg	71.9	1	04/09/18 11:14	04/11/18 03:40	7440-70-2	
Chromium	8.3	mg/kg	0.72	1	04/09/18 11:14	04/11/18 03:40	7440-47-3	
Cobalt	3.6	mg/kg	3.6	1	04/09/18 11:14	04/11/18 03:40	7440-48-4	
Copper	47.4	mg/kg	1.8	1	04/09/18 11:14	04/11/18 03:40	7440-50-8	
Iron	9170	mg/kg	7.2	1	04/09/18 11:14	04/11/18 03:40	7439-89-6	
Lead	78.4	mg/kg	0.36	1	04/09/18 11:14	04/11/18 03:40	7439-92-1	
Magnesium	4340	mg/kg	71.9	1	04/09/18 11:14	04/11/18 03:40	7439-95-4	
Manganese	112	mg/kg	1.1	1	04/09/18 11:14	04/11/18 03:40	7439-96-5	
Nickel	10.5	mg/kg	2.9	1	04/09/18 11:14	04/11/18 03:40	7440-02-0	
Potassium	658	mg/kg	360	1	04/09/18 11:14	04/11/18 03:40	7440-09-7	
Selenium	<0.72	mg/kg	0.72	1	04/09/18 11:14	04/11/18 03:40	7782-49-2	
Silver	<0.72	mg/kg	0.72	1	04/09/18 11:14	04/11/18 03:40	7440-22-4	
Sodium	<360	mg/kg	360	1	04/09/18 11:14	04/11/18 03:40	7440-23-5	
Thallium	<0.72	mg/kg	0.72	1	04/09/18 11:14	04/11/18 03:40	7440-28-0	
Vanadium	10.1	mg/kg	3.6	1	04/09/18 11:14	04/11/18 03:40	7440-62-2	
Zinc	66.4	mg/kg	1.4	1	04/09/18 11:14	04/11/18 03:40	7440-66-6	
7471 Mercury Analytical Method: EPA 7471B Preparation Method: EPA 7471B								
Mercury	0.39	mg/kg	0.050	1	04/09/18 13:02	04/10/18 13:37	7439-97-6	
8270 MSSV Analytical Method: EPA 8270D Preparation Method: EPA 3545A								
1,2,4-Trichlorobenzene	<94.9	ug/kg	94.9	1	04/09/18 18:23	04/12/18 15:37	120-82-1	
2,2'-Oxybis(1-chloropropane)	<94.9	ug/kg	94.9	1	04/09/18 18:23	04/12/18 15:37	108-60-1	
2,4,5-Trichlorophenol	<94.9	ug/kg	94.9	1	04/09/18 18:23	04/12/18 15:37	95-95-4	
2,4,6-Trichlorophenol	<94.9	ug/kg	94.9	1	04/09/18 18:23	04/12/18 15:37	88-06-2	
2,4-Dichlorophenol	<94.9	ug/kg	94.9	1	04/09/18 18:23	04/12/18 15:37	120-83-2	
2,4-Dimethylphenol	<94.9	ug/kg	94.9	1	04/09/18 18:23	04/12/18 15:37	105-67-9	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: FORMER COYNE TEXTILE FACILITY

Pace Project No.: 7047475

Sample: SOIL-119 Lab ID: 7047475004 Collected: 04/04/18 13:05 Received: 04/06/18 09:40 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV								
Analytical Method: EPA 8270D Preparation Method: EPA 3545A								
2,4-Dinitrophenol	<949	ug/kg	949	1	04/09/18 18:23	04/12/18 15:37	51-28-5	
2,4-Dinitrotoluene	<467	ug/kg	467	1	04/09/18 18:23	04/12/18 15:37	121-14-2	
2,6-Dinitrotoluene	<467	ug/kg	467	1	04/09/18 18:23	04/12/18 15:37	606-20-2	
2-Chloronaphthalene	<94.9	ug/kg	94.9	1	04/09/18 18:23	04/12/18 15:37	91-58-7	
2-Chlorophenol	<94.9	ug/kg	94.9	1	04/09/18 18:23	04/12/18 15:37	95-57-8	
2-Methylnaphthalene	<94.9	ug/kg	94.9	1	04/09/18 18:23	04/12/18 15:37	91-57-6	
2-Methylphenol(o-Cresol)	<94.9	ug/kg	94.9	1	04/09/18 18:23	04/12/18 15:37	95-48-7	
2-Nitroaniline	<467	ug/kg	467	1	04/09/18 18:23	04/12/18 15:37	88-74-4	
2-Nitrophenol	<467	ug/kg	467	1	04/09/18 18:23	04/12/18 15:37	88-75-5	
3&4-Methylphenol(m&p Cresol)	<94.9	ug/kg	94.9	1	04/09/18 18:23	04/12/18 15:37		
3,3'-Dichlorobenzidine	<467	ug/kg	467	1	04/09/18 18:23	04/12/18 15:37	91-94-1	
3-Nitroaniline	<467	ug/kg	467	1	04/09/18 18:23	04/12/18 15:37	99-09-2	
4,6-Dinitro-2-methylphenol	<949	ug/kg	949	1	04/09/18 18:23	04/12/18 15:37	534-52-1	
4-Bromophenylphenyl ether	<94.9	ug/kg	94.9	1	04/09/18 18:23	04/12/18 15:37	101-55-3	
4-Chloro-3-methylphenol	<94.9	ug/kg	94.9	1	04/09/18 18:23	04/12/18 15:37	59-50-7	
4-Chloroaniline	<467	ug/kg	467	1	04/09/18 18:23	04/12/18 15:37	106-47-8	
4-Chlorophenylphenyl ether	<94.9	ug/kg	94.9	1	04/09/18 18:23	04/12/18 15:37	7005-72-3	
4-Nitroaniline	<467	ug/kg	467	1	04/09/18 18:23	04/12/18 15:37	100-01-6	L2
4-Nitrophenol	<949	ug/kg	949	1	04/09/18 18:23	04/12/18 15:37	100-02-7	
Acenaphthene	<94.9	ug/kg	94.9	1	04/09/18 18:23	04/12/18 15:37	83-32-9	
Acenaphthylene	<94.9	ug/kg	94.9	1	04/09/18 18:23	04/12/18 15:37	208-96-8	
Acetophenone	<94.9	ug/kg	94.9	1	04/09/18 18:23	04/12/18 15:37	98-86-2	
Anthracene	<94.9	ug/kg	94.9	1	04/09/18 18:23	04/12/18 15:37	120-12-7	
Atrazine	<94.9	ug/kg	94.9	1	04/09/18 18:23	04/12/18 15:37	1912-24-9	
Benzaldehyde	<94.9	ug/kg	94.9	1	04/09/18 18:23	04/12/18 15:37	100-52-7	CL,L2
Benzo(a)anthracene	<94.9	ug/kg	94.9	1	04/09/18 18:23	04/12/18 15:37	56-55-3	
Benzo(a)pyrene	<94.9	ug/kg	94.9	1	04/09/18 18:23	04/12/18 15:37	50-32-8	
Benzo(b)fluoranthene	<94.9	ug/kg	94.9	1	04/09/18 18:23	04/12/18 15:37	205-99-2	
Benzo(g,h,i)perylene	<94.9	ug/kg	94.9	1	04/09/18 18:23	04/12/18 15:37	191-24-2	
Benzo(k)fluoranthene	<94.9	ug/kg	94.9	1	04/09/18 18:23	04/12/18 15:37	207-08-9	
Biphenyl (Diphenyl)	<94.9	ug/kg	94.9	1	04/09/18 18:23	04/12/18 15:37	92-52-4	
Butylbenzylphthalate	<94.9	ug/kg	94.9	1	04/09/18 18:23	04/12/18 15:37	85-68-7	
Caprolactam	<94.9	ug/kg	94.9	1	04/09/18 18:23	04/12/18 15:37	105-60-2	
Carbazole	<94.9	ug/kg	94.9	1	04/09/18 18:23	04/12/18 15:37	86-74-8	
Chrysene	<94.9	ug/kg	94.9	1	04/09/18 18:23	04/12/18 15:37	218-01-9	
Di-n-butylphthalate	<94.9	ug/kg	94.9	1	04/09/18 18:23	04/12/18 15:37	84-74-2	
Di-n-octylphthalate	<94.9	ug/kg	94.9	1	04/09/18 18:23	04/12/18 15:37	117-84-0	
Dibenz(a,h)anthracene	<94.9	ug/kg	94.9	1	04/09/18 18:23	04/12/18 15:37	53-70-3	
Dibenzofuran	<94.9	ug/kg	94.9	1	04/09/18 18:23	04/12/18 15:37	132-64-9	
Diethylphthalate	<94.9	ug/kg	94.9	1	04/09/18 18:23	04/12/18 15:37	84-66-2	
Dimethylphthalate	<94.9	ug/kg	94.9	1	04/09/18 18:23	04/12/18 15:37	131-11-3	
Fluoranthene	147	ug/kg	94.9	1	04/09/18 18:23	04/12/18 15:37	206-44-0	
Fluorene	<94.9	ug/kg	94.9	1	04/09/18 18:23	04/12/18 15:37	86-73-7	
Hexachloro-1,3-butadiene	<94.9	ug/kg	94.9	1	04/09/18 18:23	04/12/18 15:37	87-68-3	
Hexachlorobenzene	<94.9	ug/kg	94.9	1	04/09/18 18:23	04/12/18 15:37	118-74-1	
Hexachlorocyclopentadiene	<467	ug/kg	467	1	04/09/18 18:23	04/12/18 15:37	77-47-4	CL

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: FORMER COYNE TEXTILE FACILITY

Pace Project No.: 7047475

Sample: **SOIL-119** Lab ID: **7047475004** Collected: 04/04/18 13:05 Received: 04/06/18 09:40 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Analytical Method: EPA 8270D Preparation Method: EPA 3545A								
Hexachloroethane	<94.9	ug/kg	94.9	1	04/09/18 18:23	04/12/18 15:37	67-72-1	
Indeno(1,2,3-cd)pyrene	<94.9	ug/kg	94.9	1	04/09/18 18:23	04/12/18 15:37	193-39-5	
Isophorone	<94.9	ug/kg	94.9	1	04/09/18 18:23	04/12/18 15:37	78-59-1	
N-Nitroso-di-n-propylamine	<94.9	ug/kg	94.9	1	04/09/18 18:23	04/12/18 15:37	621-64-7	
N-Nitrosodiphenylamine	<94.9	ug/kg	94.9	1	04/09/18 18:23	04/12/18 15:37	86-30-6	
Naphthalene	<94.9	ug/kg	94.9	1	04/09/18 18:23	04/12/18 15:37	91-20-3	
Nitrobenzene	<94.9	ug/kg	94.9	1	04/09/18 18:23	04/12/18 15:37	98-95-3	
Pentachlorophenol	<94.9	ug/kg	94.9	1	04/09/18 18:23	04/12/18 15:37	87-86-5	
Phenanthrene	<94.9	ug/kg	94.9	1	04/09/18 18:23	04/12/18 15:37	85-01-8	
Phenol	<94.9	ug/kg	94.9	1	04/09/18 18:23	04/12/18 15:37	108-95-2	
Pyrene	137	ug/kg	94.9	1	04/09/18 18:23	04/12/18 15:37	129-00-0	
bis(2-Chloroethoxy)methane	<94.9	ug/kg	94.9	1	04/09/18 18:23	04/12/18 15:37	111-91-1	
bis(2-Chloroethyl) ether	<94.9	ug/kg	94.9	1	04/09/18 18:23	04/12/18 15:37	111-44-4	
bis(2-Ethylhexyl)phthalate	<94.9	ug/kg	94.9	1	04/09/18 18:23	04/12/18 15:37	117-81-7	
Surrogates								
Nitrobenzene-d5 (S)	48	%	23-120	1	04/09/18 18:23	04/12/18 15:37	4165-60-0	
2-Fluorobiphenyl (S)	70	%	30-115	1	04/09/18 18:23	04/12/18 15:37	321-60-8	
p-Terphenyl-d14 (S)	80	%	18-137	1	04/09/18 18:23	04/12/18 15:37	1718-51-0	
Phenol-d5 (S)	54	%	24-113	1	04/09/18 18:23	04/12/18 15:37	4165-62-2	
2-Fluorophenol (S)	54	%	25-121	1	04/09/18 18:23	04/12/18 15:37	367-12-4	
2,4,6-Tribromophenol (S)	77	%	19-122	1	04/09/18 18:23	04/12/18 15:37	118-79-6	
2-Chlorophenol-d4 (S)	56	%	20-130	1	04/09/18 18:23	04/12/18 15:37	93951-73-6	
1,2-Dichlorobenzene-d4 (S)	53	%	20-130	1	04/09/18 18:23	04/12/18 15:37	2199-69-1	
8260 MSV 5035A-H Med Level Analytical Method: EPA 8260C Preparation Method: EPA 5035A-H/5030C								
Acetone	236	ug/kg	126	0.92	04/12/18 06:51	04/12/18 12:08	67-64-1	CH
Benzene	<126	ug/kg	126	0.92	04/12/18 06:51	04/12/18 12:08	71-43-2	
Bromobenzene	<126	ug/kg	126	0.92	04/12/18 06:51	04/12/18 12:08	108-86-1	
Bromochloromethane	<126	ug/kg	126	0.92	04/12/18 06:51	04/12/18 12:08	74-97-5	
Bromodichloromethane	<126	ug/kg	126	0.92	04/12/18 06:51	04/12/18 12:08	75-27-4	
Bromoform	<126	ug/kg	126	0.92	04/12/18 06:51	04/12/18 12:08	75-25-2	
Bromomethane	<126	ug/kg	126	0.92	04/12/18 06:51	04/12/18 12:08	74-83-9	L2
2-Butanone (MEK)	<126	ug/kg	126	0.92	04/12/18 06:51	04/12/18 12:08	78-93-3	CH,IH,L1
n-Butylbenzene	<126	ug/kg	126	0.92	04/12/18 06:51	04/12/18 12:08	104-51-8	
sec-Butylbenzene	237	ug/kg	126	0.92	04/12/18 06:51	04/12/18 12:08	135-98-8	
tert-Butylbenzene	<126	ug/kg	126	0.92	04/12/18 06:51	04/12/18 12:08	98-06-6	
Carbon tetrachloride	<126	ug/kg	126	0.92	04/12/18 06:51	04/12/18 12:08	56-23-5	
Chlorobenzene	<126	ug/kg	126	0.92	04/12/18 06:51	04/12/18 12:08	108-90-7	
Chlorodifluoromethane	<126	ug/kg	126	0.92	04/12/18 06:51	04/12/18 12:08	75-45-6	N3
Chloroethane	<126	ug/kg	126	0.92	04/12/18 06:51	04/12/18 12:08	75-00-3	L2
Chloroform	<126	ug/kg	126	0.92	04/12/18 06:51	04/12/18 12:08	67-66-3	
Chloromethane	<126	ug/kg	126	0.92	04/12/18 06:51	04/12/18 12:08	74-87-3	
2-Chlorotoluene	<126	ug/kg	126	0.92	04/12/18 06:51	04/12/18 12:08	95-49-8	
4-Chlorotoluene	<126	ug/kg	126	0.92	04/12/18 06:51	04/12/18 12:08	106-43-4	
1,2-Dibromo-3-chloropropane	<126	ug/kg	126	0.92	04/12/18 06:51	04/12/18 12:08	96-12-8	
Dibromochloromethane	<126	ug/kg	126	0.92	04/12/18 06:51	04/12/18 12:08	124-48-1	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: FORMER COYNE TEXTILE FACILITY

Pace Project No.: 7047475

Sample: SOIL-119 Lab ID: 7047475004 Collected: 04/04/18 13:05 Received: 04/06/18 09:40 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035A-H Med Level		Analytical Method: EPA 8260C Preparation Method: EPA 5035A-H/5030C						
1,2-Dibromoethane (EDB)	<126	ug/kg	126	0.92	04/12/18 06:51	04/12/18 12:08	106-93-4	
Dibromomethane	<126	ug/kg	126	0.92	04/12/18 06:51	04/12/18 12:08	74-95-3	
1,2-Dichlorobenzene	<126	ug/kg	126	0.92	04/12/18 06:51	04/12/18 12:08	95-50-1	
1,3-Dichlorobenzene	<126	ug/kg	126	0.92	04/12/18 06:51	04/12/18 12:08	541-73-1	
1,4-Dichlorobenzene	<126	ug/kg	126	0.92	04/12/18 06:51	04/12/18 12:08	106-46-7	
Dichlorodifluoromethane	<126	ug/kg	126	0.92	04/12/18 06:51	04/12/18 12:08	75-71-8	CL
1,1-Dichloroethane	<126	ug/kg	126	0.92	04/12/18 06:51	04/12/18 12:08	75-34-3	
1,2-Dichloroethane	<126	ug/kg	126	0.92	04/12/18 06:51	04/12/18 12:08	107-06-2	
1,1-Dichloroethene	<126	ug/kg	126	0.92	04/12/18 06:51	04/12/18 12:08	75-35-4	
cis-1,2-Dichloroethene	<126	ug/kg	126	0.92	04/12/18 06:51	04/12/18 12:08	156-59-2	
trans-1,2-Dichloroethene	<126	ug/kg	126	0.92	04/12/18 06:51	04/12/18 12:08	156-60-5	
1,2-Dichloropropane	<126	ug/kg	126	0.92	04/12/18 06:51	04/12/18 12:08	78-87-5	
1,3-Dichloropropane	<126	ug/kg	126	0.92	04/12/18 06:51	04/12/18 12:08	142-28-9	
2,2-Dichloropropane	<126	ug/kg	126	0.92	04/12/18 06:51	04/12/18 12:08	594-20-7	
1,1-Dichloropropene	<126	ug/kg	126	0.92	04/12/18 06:51	04/12/18 12:08	563-58-6	
cis-1,3-Dichloropropene	<126	ug/kg	126	0.92	04/12/18 06:51	04/12/18 12:08	10061-01-5	
trans-1,3-Dichloropropene	<126	ug/kg	126	0.92	04/12/18 06:51	04/12/18 12:08	10061-02-6	
1,4-Diethylbenzene	<126	ug/kg	126	0.92	04/12/18 06:51	04/12/18 12:08	105-05-5	N3
Ethylbenzene	<126	ug/kg	126	0.92	04/12/18 06:51	04/12/18 12:08	100-41-4	
4-Ethyltoluene	<126	ug/kg	126	0.92	04/12/18 06:51	04/12/18 12:08	622-96-8	N3
Hexachloro-1,3-butadiene	<126	ug/kg	126	0.92	04/12/18 06:51	04/12/18 12:08	87-68-3	CL
Isopropylbenzene (Cumene)	141	ug/kg	126	0.92	04/12/18 06:51	04/12/18 12:08	98-82-8	
p-Isopropyltoluene	<126	ug/kg	126	0.92	04/12/18 06:51	04/12/18 12:08	99-87-6	
Methylene Chloride	<126	ug/kg	126	0.92	04/12/18 06:51	04/12/18 12:08	75-09-2	
4-Methyl-2-pentanone (MIBK)	<126	ug/kg	126	0.92	04/12/18 06:51	04/12/18 12:08	108-10-1	
Methyl-tert-butyl ether	<126	ug/kg	126	0.92	04/12/18 06:51	04/12/18 12:08	1634-04-4	
Naphthalene	<126	ug/kg	126	0.92	04/12/18 06:51	04/12/18 12:08	91-20-3	
n-Propylbenzene	<126	ug/kg	126	0.92	04/12/18 06:51	04/12/18 12:08	103-65-1	
Styrene	<126	ug/kg	126	0.92	04/12/18 06:51	04/12/18 12:08	100-42-5	
1,1,1,2-Tetrachloroethane	<126	ug/kg	126	0.92	04/12/18 06:51	04/12/18 12:08	630-20-6	
1,1,1,2,2-Tetrachloroethane	<126	ug/kg	126	0.92	04/12/18 06:51	04/12/18 12:08	79-34-5	
Tetrachloroethene	147	ug/kg	126	0.92	04/12/18 06:51	04/12/18 12:08	127-18-4	
1,2,4,5-tetramethylbenzene	<126	ug/kg	126	0.92	04/12/18 06:51	04/12/18 12:08	95-93-2	N3
Toluene	<126	ug/kg	126	0.92	04/12/18 06:51	04/12/18 12:08	108-88-3	
1,2,3-Trichlorobenzene	<126	ug/kg	126	0.92	04/12/18 06:51	04/12/18 12:08	87-61-6	CL
1,2,4-Trichlorobenzene	<126	ug/kg	126	0.92	04/12/18 06:51	04/12/18 12:08	120-82-1	
1,1,1-Trichloroethane	<126	ug/kg	126	0.92	04/12/18 06:51	04/12/18 12:08	71-55-6	
1,1,2-Trichloroethane	<126	ug/kg	126	0.92	04/12/18 06:51	04/12/18 12:08	79-00-5	L2
Trichloroethene	<126	ug/kg	126	0.92	04/12/18 06:51	04/12/18 12:08	79-01-6	
Trichlorofluoromethane	<126	ug/kg	126	0.92	04/12/18 06:51	04/12/18 12:08	75-69-4	L2
1,2,3-Trichloropropane	<126	ug/kg	126	0.92	04/12/18 06:51	04/12/18 12:08	96-18-4	
1,1,2-Trichlorotrifluoroethane	<126	ug/kg	126	0.92	04/12/18 06:51	04/12/18 12:08	76-13-1	
1,2,4-Trimethylbenzene	<126	ug/kg	126	0.92	04/12/18 06:51	04/12/18 12:08	95-63-6	
1,3,5-Trimethylbenzene	<126	ug/kg	126	0.92	04/12/18 06:51	04/12/18 12:08	108-67-8	
Vinyl chloride	<126	ug/kg	126	0.92	04/12/18 06:51	04/12/18 12:08	75-01-4	
Xylene (Total)	<251	ug/kg	251	0.92	04/12/18 06:51	04/12/18 12:08	1330-20-7	

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ANALYTICAL RESULTS

Project: FORMER COYNE TEXTILE FACILITY

Pace Project No.: 7047475

Sample: SOIL-119 **Lab ID: 7047475004** Collected: 04/04/18 13:05 Received: 04/06/18 09:40 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035A-H Med Level		Analytical Method: EPA 8260C Preparation Method: EPA 5035A-H/5030C						
m&p-Xylene	<251	ug/kg	251	0.92	04/12/18 06:51	04/12/18 12:08	179601-23-1	
o-Xylene	<126	ug/kg	126	0.92	04/12/18 06:51	04/12/18 12:08	95-47-6	
Surrogates								
Toluene-d8 (S)	93	%	43-157	0.92	04/12/18 06:51	04/12/18 12:08	2037-26-5	
4-Bromofluorobenzene (S)	155	%	34-145	0.92	04/12/18 06:51	04/12/18 12:08	460-00-4	C0,S0
1,2-Dichloroethane-d4 (S)	112	%	33-150	0.92	04/12/18 06:51	04/12/18 12:08	17060-07-0	
Percent Moisture		Analytical Method: ASTM D2216-92M						
Percent Moisture	29.6	%	0.10	1		04/07/18 00:49		

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ANALYTICAL RESULTS

Project: FORMER COYNE TEXTILE FACILITY

Pace Project No.: 7047475

Sample: SOIL-120 Lab ID: 7047475005 Collected: 04/04/18 14:40 Received: 04/06/18 09:40 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8082 GCS PCB								
Analytical Method: EPA 8082A Preparation Method: EPA 3546								
PCB-1016 (Aroclor 1016)	<63.1	ug/kg	63.1	1	04/10/18 20:18	04/14/18 03:46	12674-11-2	
PCB-1221 (Aroclor 1221)	<128	ug/kg	128	1	04/10/18 20:18	04/14/18 03:46	11104-28-2	
PCB-1232 (Aroclor 1232)	<63.1	ug/kg	63.1	1	04/10/18 20:18	04/14/18 03:46	11141-16-5	
PCB-1242 (Aroclor 1242)	<63.1	ug/kg	63.1	1	04/10/18 20:18	04/14/18 03:46	53469-21-9	
PCB-1248 (Aroclor 1248)	<63.1	ug/kg	63.1	1	04/10/18 20:18	04/14/18 03:46	12672-29-6	
PCB-1254 (Aroclor 1254)	<63.1	ug/kg	63.1	1	04/10/18 20:18	04/14/18 03:46	11097-69-1	
PCB-1260 (Aroclor 1260)	<63.1	ug/kg	63.1	1	04/10/18 20:18	04/14/18 03:46	11096-82-5	
Surrogates								
Tetrachloro-m-xylene (S)	54	%	30-150	1	04/10/18 20:18	04/14/18 03:46	877-09-8	
Decachlorobiphenyl (S)	61	%	30-150	1	04/10/18 20:18	04/14/18 03:46	2051-24-3	
6010 MET ICP								
Analytical Method: EPA 6010C Preparation Method: EPA 3050B								
Aluminum	12400	mg/kg	20.3	1	04/09/18 11:14	04/11/18 03:45	7429-90-5	
Antimony	<6.1	mg/kg	6.1	1	04/09/18 11:14	04/11/18 03:45	7440-36-0	
Arsenic	5.7	mg/kg	1.0	1	04/09/18 11:14	04/11/18 03:45	7440-38-2	
Barium	156	mg/kg	20.3	1	04/09/18 11:14	04/11/18 03:45	7440-39-3	
Beryllium	0.68	mg/kg	0.51	1	04/09/18 11:14	04/11/18 03:45	7440-41-7	
Cadmium	1.2	mg/kg	0.25	1	04/09/18 11:14	04/11/18 03:45	7440-43-9	
Calcium	26200	mg/kg	102	1	04/09/18 11:14	04/11/18 03:45	7440-70-2	
Chromium	26.4	mg/kg	1.0	1	04/09/18 11:14	04/11/18 03:45	7440-47-3	
Cobalt	9.0	mg/kg	5.1	1	04/09/18 11:14	04/11/18 03:45	7440-48-4	
Copper	51.5	mg/kg	2.5	1	04/09/18 11:14	04/11/18 03:45	7440-50-8	
Iron	20500	mg/kg	10.2	1	04/09/18 11:14	04/11/18 03:45	7439-89-6	
Lead	257	mg/kg	0.51	1	04/09/18 11:14	04/11/18 03:45	7439-92-1	
Magnesium	6270	mg/kg	102	1	04/09/18 11:14	04/11/18 03:45	7439-95-4	
Manganese	209	mg/kg	1.5	1	04/09/18 11:14	04/11/18 03:45	7439-96-5	
Nickel	56.0	mg/kg	4.1	1	04/09/18 11:14	04/11/18 03:45	7440-02-0	
Potassium	1500	mg/kg	508	1	04/09/18 11:14	04/11/18 03:45	7440-09-7	
Selenium	7.4	mg/kg	1.0	1	04/09/18 11:14	04/11/18 03:45	7782-49-2	
Silver	1.2	mg/kg	1.0	1	04/09/18 11:14	04/11/18 03:45	7440-22-4	
Sodium	<508	mg/kg	508	1	04/09/18 11:14	04/11/18 03:45	7440-23-5	
Thallium	<1.0	mg/kg	1.0	1	04/09/18 11:14	04/11/18 03:45	7440-28-0	
Vanadium	19.2	mg/kg	5.1	1	04/09/18 11:14	04/11/18 03:45	7440-62-2	
Zinc	227	mg/kg	2.0	1	04/09/18 11:14	04/11/18 03:45	7440-66-6	
7471 Mercury								
Analytical Method: EPA 7471B Preparation Method: EPA 7471B								
Mercury	1.4	mg/kg	0.083	1	04/09/18 13:02	04/10/18 13:39	7439-97-6	
8270 MSSV								
Analytical Method: EPA 8270D Preparation Method: EPA 3545A								
1,2,4-Trichlorobenzene	<128	ug/kg	128	1	04/09/18 18:23	04/12/18 23:24	120-82-1	
2,2'-Oxybis(1-chloropropane)	<128	ug/kg	128	1	04/09/18 18:23	04/12/18 23:24	108-60-1	
2,4,5-Trichlorophenol	<128	ug/kg	128	1	04/09/18 18:23	04/12/18 23:24	95-95-4	
2,4,6-Trichlorophenol	<128	ug/kg	128	1	04/09/18 18:23	04/12/18 23:24	88-06-2	
2,4-Dichlorophenol	<128	ug/kg	128	1	04/09/18 18:23	04/12/18 23:24	120-83-2	
2,4-Dimethylphenol	<128	ug/kg	128	1	04/09/18 18:23	04/12/18 23:24	105-67-9	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: FORMER COYNE TEXTILE FACILITY

Pace Project No.: 7047475

Sample: SOIL-120 Lab ID: 7047475005 Collected: 04/04/18 14:40 Received: 04/06/18 09:40 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV								
Analytical Method: EPA 8270D Preparation Method: EPA 3545A								
2,4-Dinitrophenol	<1280	ug/kg	1280	1	04/09/18 18:23	04/12/18 23:24	51-28-5	
2,4-Dinitrotoluene	<631	ug/kg	631	1	04/09/18 18:23	04/12/18 23:24	121-14-2	
2,6-Dinitrotoluene	<631	ug/kg	631	1	04/09/18 18:23	04/12/18 23:24	606-20-2	
2-Chloronaphthalene	<128	ug/kg	128	1	04/09/18 18:23	04/12/18 23:24	91-58-7	
2-Chlorophenol	<128	ug/kg	128	1	04/09/18 18:23	04/12/18 23:24	95-57-8	
2-Methylnaphthalene	<128	ug/kg	128	1	04/09/18 18:23	04/12/18 23:24	91-57-6	
2-Methylphenol(o-Cresol)	<128	ug/kg	128	1	04/09/18 18:23	04/12/18 23:24	95-48-7	
2-Nitroaniline	<631	ug/kg	631	1	04/09/18 18:23	04/12/18 23:24	88-74-4	
2-Nitrophenol	<631	ug/kg	631	1	04/09/18 18:23	04/12/18 23:24	88-75-5	
3&4-Methylphenol(m&p Cresol)	<128	ug/kg	128	1	04/09/18 18:23	04/12/18 23:24		
3,3'-Dichlorobenzidine	<631	ug/kg	631	1	04/09/18 18:23	04/12/18 23:24	91-94-1	
3-Nitroaniline	<631	ug/kg	631	1	04/09/18 18:23	04/12/18 23:24	99-09-2	
4,6-Dinitro-2-methylphenol	<1280	ug/kg	1280	1	04/09/18 18:23	04/12/18 23:24	534-52-1	
4-Bromophenylphenyl ether	<128	ug/kg	128	1	04/09/18 18:23	04/12/18 23:24	101-55-3	
4-Chloro-3-methylphenol	<128	ug/kg	128	1	04/09/18 18:23	04/12/18 23:24	59-50-7	
4-Chloroaniline	<631	ug/kg	631	1	04/09/18 18:23	04/12/18 23:24	106-47-8	
4-Chlorophenylphenyl ether	<128	ug/kg	128	1	04/09/18 18:23	04/12/18 23:24	7005-72-3	
4-Nitroaniline	<631	ug/kg	631	1	04/09/18 18:23	04/12/18 23:24	100-01-6	L2
4-Nitrophenol	<1280	ug/kg	1280	1	04/09/18 18:23	04/12/18 23:24	100-02-7	
Acenaphthene	<128	ug/kg	128	1	04/09/18 18:23	04/12/18 23:24	83-32-9	
Acenaphthylene	157	ug/kg	128	1	04/09/18 18:23	04/12/18 23:24	208-96-8	
Acetophenone	<128	ug/kg	128	1	04/09/18 18:23	04/12/18 23:24	98-86-2	
Anthracene	<128	ug/kg	128	1	04/09/18 18:23	04/12/18 23:24	120-12-7	
Atrazine	<128	ug/kg	128	1	04/09/18 18:23	04/12/18 23:24	1912-24-9	
Benzaldehyde	<128	ug/kg	128	1	04/09/18 18:23	04/12/18 23:24	100-52-7	CL,L2
Benzo(a)anthracene	167	ug/kg	128	1	04/09/18 18:23	04/12/18 23:24	56-55-3	
Benzo(a)pyrene	137	ug/kg	128	1	04/09/18 18:23	04/12/18 23:24	50-32-8	
Benzo(b)fluoranthene	170	ug/kg	128	1	04/09/18 18:23	04/12/18 23:24	205-99-2	
Benzo(g,h,i)perylene	<128	ug/kg	128	1	04/09/18 18:23	04/12/18 23:24	191-24-2	
Benzo(k)fluoranthene	<128	ug/kg	128	1	04/09/18 18:23	04/12/18 23:24	207-08-9	
Biphenyl (Diphenyl)	<128	ug/kg	128	1	04/09/18 18:23	04/12/18 23:24	92-52-4	
Butylbenzylphthalate	<128	ug/kg	128	1	04/09/18 18:23	04/12/18 23:24	85-68-7	
Caprolactam	<128	ug/kg	128	1	04/09/18 18:23	04/12/18 23:24	105-60-2	
Carbazole	<128	ug/kg	128	1	04/09/18 18:23	04/12/18 23:24	86-74-8	
Chrysene	168	ug/kg	128	1	04/09/18 18:23	04/12/18 23:24	218-01-9	
Di-n-butylphthalate	<128	ug/kg	128	1	04/09/18 18:23	04/12/18 23:24	84-74-2	
Di-n-octylphthalate	<128	ug/kg	128	1	04/09/18 18:23	04/12/18 23:24	117-84-0	
Dibenz(a,h)anthracene	<128	ug/kg	128	1	04/09/18 18:23	04/12/18 23:24	53-70-3	
Dibenzofuran	<128	ug/kg	128	1	04/09/18 18:23	04/12/18 23:24	132-64-9	
Diethylphthalate	<128	ug/kg	128	1	04/09/18 18:23	04/12/18 23:24	84-66-2	
Dimethylphthalate	<128	ug/kg	128	1	04/09/18 18:23	04/12/18 23:24	131-11-3	
Fluoranthene	223	ug/kg	128	1	04/09/18 18:23	04/12/18 23:24	206-44-0	
Fluorene	<128	ug/kg	128	1	04/09/18 18:23	04/12/18 23:24	86-73-7	
Hexachloro-1,3-butadiene	<128	ug/kg	128	1	04/09/18 18:23	04/12/18 23:24	87-68-3	
Hexachlorobenzene	<128	ug/kg	128	1	04/09/18 18:23	04/12/18 23:24	118-74-1	
Hexachlorocyclopentadiene	<631	ug/kg	631	1	04/09/18 18:23	04/12/18 23:24	77-47-4	CL

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: FORMER COYNE TEXTILE FACILITY

Pace Project No.: 7047475

Sample: SOIL-120 **Lab ID: 7047475005** Collected: 04/04/18 14:40 Received: 04/06/18 09:40 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Analytical Method: EPA 8270D Preparation Method: EPA 3545A								
Hexachloroethane	<128	ug/kg	128	1	04/09/18 18:23	04/12/18 23:24	67-72-1	
Indeno(1,2,3-cd)pyrene	<128	ug/kg	128	1	04/09/18 18:23	04/12/18 23:24	193-39-5	
Isophorone	<128	ug/kg	128	1	04/09/18 18:23	04/12/18 23:24	78-59-1	
N-Nitroso-di-n-propylamine	<128	ug/kg	128	1	04/09/18 18:23	04/12/18 23:24	621-64-7	
N-Nitrosodiphenylamine	<128	ug/kg	128	1	04/09/18 18:23	04/12/18 23:24	86-30-6	
Naphthalene	<128	ug/kg	128	1	04/09/18 18:23	04/12/18 23:24	91-20-3	
Nitrobenzene	<128	ug/kg	128	1	04/09/18 18:23	04/12/18 23:24	98-95-3	
Pentachlorophenol	<1280	ug/kg	1280	1	04/09/18 18:23	04/12/18 23:24	87-86-5	
Phenanthrene	193	ug/kg	128	1	04/09/18 18:23	04/12/18 23:24	85-01-8	
Phenol	<128	ug/kg	128	1	04/09/18 18:23	04/12/18 23:24	108-95-2	
Pyrene	323	ug/kg	128	1	04/09/18 18:23	04/12/18 23:24	129-00-0	
bis(2-Chloroethoxy)methane	<128	ug/kg	128	1	04/09/18 18:23	04/12/18 23:24	111-91-1	
bis(2-Chloroethyl) ether	<128	ug/kg	128	1	04/09/18 18:23	04/12/18 23:24	111-44-4	
bis(2-Ethylhexyl)phthalate	<128	ug/kg	128	1	04/09/18 18:23	04/12/18 23:24	117-81-7	
Surrogates								
Nitrobenzene-d5 (S)	60	%	23-120	1	04/09/18 18:23	04/12/18 23:24	4165-60-0	
2-Fluorobiphenyl (S)	81	%	30-115	1	04/09/18 18:23	04/12/18 23:24	321-60-8	
p-Terphenyl-d14 (S)	102	%	18-137	1	04/09/18 18:23	04/12/18 23:24	1718-51-0	
Phenol-d5 (S)	69	%	24-113	1	04/09/18 18:23	04/12/18 23:24	4165-62-2	
2-Fluorophenol (S)	59	%	25-121	1	04/09/18 18:23	04/12/18 23:24	367-12-4	
2,4,6-Tribromophenol (S)	83	%	19-122	1	04/09/18 18:23	04/12/18 23:24	118-79-6	
2-Chlorophenol-d4 (S)	70	%	20-130	1	04/09/18 18:23	04/12/18 23:24	93951-73-6	
1,2-Dichlorobenzene-d4 (S)	61	%	20-130	1	04/09/18 18:23	04/12/18 23:24	2199-69-1	
8260C MSV 5035A-L Low Level Analytical Method: EPA 8260C Preparation Method: EPA 5035A-L								
1,1,1-Trichloroethane	<3.8	ug/kg	3.8	1	04/11/18 06:44	04/11/18 16:32	71-55-6	
1,1,2,2-Tetrachloroethane	<3.8	ug/kg	3.8	1	04/11/18 06:44	04/11/18 16:32	79-34-5	
1,1,2-Trichloroethane	<3.8	ug/kg	3.8	1	04/11/18 06:44	04/11/18 16:32	79-00-5	
1,1,2-Trichlorotrifluoroethane	<3.8	ug/kg	3.8	1	04/11/18 06:44	04/11/18 16:32	76-13-1	CL
1,1-Dichloroethane	<3.8	ug/kg	3.8	1	04/11/18 06:44	04/11/18 16:32	75-34-3	
1,1-Dichloroethene	<3.8	ug/kg	3.8	1	04/11/18 06:44	04/11/18 16:32	75-35-4	
1,2,4-Trichlorobenzene	<3.8	ug/kg	3.8	1	04/11/18 06:44	04/11/18 16:32	120-82-1	
1,2-Dibromo-3-chloropropane	<3.8	ug/kg	3.8	1	04/11/18 06:44	04/11/18 16:32	96-12-8	
1,2-Dibromoethane (EDB)	<3.8	ug/kg	3.8	1	04/11/18 06:44	04/11/18 16:32	106-93-4	
1,2-Dichlorobenzene	<3.8	ug/kg	3.8	1	04/11/18 06:44	04/11/18 16:32	95-50-1	
1,2-Dichloroethane	<3.8	ug/kg	3.8	1	04/11/18 06:44	04/11/18 16:32	107-06-2	
1,2-Dichloropropane	<3.8	ug/kg	3.8	1	04/11/18 06:44	04/11/18 16:32	78-87-5	
1,3-Dichlorobenzene	<3.8	ug/kg	3.8	1	04/11/18 06:44	04/11/18 16:32	541-73-1	
1,4-Dichlorobenzene	<3.8	ug/kg	3.8	1	04/11/18 06:44	04/11/18 16:32	106-46-7	
2-Butanone (MEK)	47.3	ug/kg	3.8	1	04/11/18 06:44	04/11/18 16:32	78-93-3	
2-Hexanone	<3.8	ug/kg	3.8	1	04/11/18 06:44	04/11/18 16:32	591-78-6	
4-Methyl-2-pentanone (MIBK)	<3.8	ug/kg	3.8	1	04/11/18 06:44	04/11/18 16:32	108-10-1	
Acetone	239	ug/kg	3.8	1	04/11/18 06:44	04/11/18 16:32	67-64-1	IH
Benzene	<3.8	ug/kg	3.8	1	04/11/18 06:44	04/11/18 16:32	71-43-2	
Bromodichloromethane	<3.8	ug/kg	3.8	1	04/11/18 06:44	04/11/18 16:32	75-27-4	
Bromoform	<3.8	ug/kg	3.8	1	04/11/18 06:44	04/11/18 16:32	75-25-2	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: FORMER COYNE TEXTILE FACILITY

Pace Project No.: 7047475

Sample: SOIL-120 **Lab ID: 7047475005** Collected: 04/04/18 14:40 Received: 04/06/18 09:40 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260C MSV 5035A-L Low Level		Analytical Method: EPA 8260C Preparation Method: EPA 5035A-L						
Bromomethane	<3.8	ug/kg	3.8	1	04/11/18 06:44	04/11/18 16:32	74-83-9	
Carbon disulfide	21.1	ug/kg	3.8	1	04/11/18 06:44	04/11/18 16:32	75-15-0	
Carbon tetrachloride	<3.8	ug/kg	3.8	1	04/11/18 06:44	04/11/18 16:32	56-23-5	
Chlorobenzene	<3.8	ug/kg	3.8	1	04/11/18 06:44	04/11/18 16:32	108-90-7	
Chloroethane	<3.8	ug/kg	3.8	1	04/11/18 06:44	04/11/18 16:32	75-00-3	
Chloroform	<3.8	ug/kg	3.8	1	04/11/18 06:44	04/11/18 16:32	67-66-3	
Chloromethane	<3.8	ug/kg	3.8	1	04/11/18 06:44	04/11/18 16:32	74-87-3	
Cyclohexane	<3.8	ug/kg	3.8	1	04/11/18 06:44	04/11/18 16:32	110-82-7	
Dibromochloromethane	<3.8	ug/kg	3.8	1	04/11/18 06:44	04/11/18 16:32	124-48-1	
Dichlorodifluoromethane	<3.8	ug/kg	3.8	1	04/11/18 06:44	04/11/18 16:32	75-71-8	CL
Ethylbenzene	<3.8	ug/kg	3.8	1	04/11/18 06:44	04/11/18 16:32	100-41-4	
Isopropylbenzene (Cumene)	<3.8	ug/kg	3.8	1	04/11/18 06:44	04/11/18 16:32	98-82-8	
Methyl acetate	<3.8	ug/kg	3.8	1	04/11/18 06:44	04/11/18 16:32	79-20-9	
Methyl-tert-butyl ether	<3.8	ug/kg	3.8	1	04/11/18 06:44	04/11/18 16:32	1634-04-4	
Methylcyclohexane	<3.8	ug/kg	3.8	1	04/11/18 06:44	04/11/18 16:32	108-87-2	
Methylene Chloride	<3.8	ug/kg	3.8	1	04/11/18 06:44	04/11/18 16:32	75-09-2	
Styrene	<3.8	ug/kg	3.8	1	04/11/18 06:44	04/11/18 16:32	100-42-5	
Tetrachloroethene	37.3	ug/kg	3.8	1	04/11/18 06:44	04/11/18 16:32	127-18-4	
Toluene	4.3	ug/kg	3.8	1	04/11/18 06:44	04/11/18 16:32	108-88-3	
Trichloroethene	<3.8	ug/kg	3.8	1	04/11/18 06:44	04/11/18 16:32	79-01-6	
Trichlorofluoromethane	<3.8	ug/kg	3.8	1	04/11/18 06:44	04/11/18 16:32	75-69-4	
Vinyl chloride	<3.8	ug/kg	3.8	1	04/11/18 06:44	04/11/18 16:32	75-01-4	CL
Xylene (Total)	<7.6	ug/kg	7.6	1	04/11/18 06:44	04/11/18 16:32	1330-20-7	
cis-1,2-Dichloroethene	9.2	ug/kg	3.8	1	04/11/18 06:44	04/11/18 16:32	156-59-2	
cis-1,3-Dichloropropene	<3.8	ug/kg	3.8	1	04/11/18 06:44	04/11/18 16:32	10061-01-5	
trans-1,2-Dichloroethene	<3.8	ug/kg	3.8	1	04/11/18 06:44	04/11/18 16:32	156-60-5	
trans-1,3-Dichloropropene	<3.8	ug/kg	3.8	1	04/11/18 06:44	04/11/18 16:32	10061-02-6	
Surrogates								
Toluene-d8 (S)	101	%	43-157	1	04/11/18 06:44	04/11/18 16:32	2037-26-5	
4-Bromofluorobenzene (S)	92	%	34-145	1	04/11/18 06:44	04/11/18 16:32	460-00-4	
1,2-Dichloroethane-d4 (S)	121	%	33-150	1	04/11/18 06:44	04/11/18 16:32	17060-07-0	
Percent Moisture		Analytical Method: ASTM D2216-92M						
Percent Moisture	47.7	%	0.10	1		04/07/18 00:50		

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ANALYTICAL RESULTS

Project: FORMER COYNE TEXTILE FACILITY

Pace Project No.: 7047475

Sample: SOIL-121 Lab ID: 7047475006 Collected: 04/04/18 16:00 Received: 04/06/18 09:40 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8082 GCS PCB Analytical Method: EPA 8082A Preparation Method: EPA 3546								
PCB-1016 (Aroclor 1016)	<41.4	ug/kg	41.4	1	04/10/18 20:18	04/14/18 03:59	12674-11-2	
PCB-1221 (Aroclor 1221)	<84.0	ug/kg	84.0	1	04/10/18 20:18	04/14/18 03:59	11104-28-2	
PCB-1232 (Aroclor 1232)	<41.4	ug/kg	41.4	1	04/10/18 20:18	04/14/18 03:59	11141-16-5	
PCB-1242 (Aroclor 1242)	<41.4	ug/kg	41.4	1	04/10/18 20:18	04/14/18 03:59	53469-21-9	
PCB-1248 (Aroclor 1248)	<41.4	ug/kg	41.4	1	04/10/18 20:18	04/14/18 03:59	12672-29-6	
PCB-1254 (Aroclor 1254)	<41.4	ug/kg	41.4	1	04/10/18 20:18	04/14/18 03:59	11097-69-1	
PCB-1260 (Aroclor 1260)	<41.4	ug/kg	41.4	1	04/10/18 20:18	04/14/18 03:59	11096-82-5	
Surrogates								
Tetrachloro-m-xylene (S)	62	%	30-150	1	04/10/18 20:18	04/14/18 03:59	877-09-8	
Decachlorobiphenyl (S)	86	%	30-150	1	04/10/18 20:18	04/14/18 03:59	2051-24-3	
6010 MET ICP Analytical Method: EPA 6010C Preparation Method: EPA 3050B								
Aluminum	4540	mg/kg	13.2	1	04/09/18 11:14	04/11/18 03:51	7429-90-5	
Antimony	<4.0	mg/kg	4.0	1	04/09/18 11:14	04/11/18 03:51	7440-36-0	
Arsenic	3.8	mg/kg	0.66	1	04/09/18 11:14	04/11/18 03:51	7440-38-2	
Barium	42.9	mg/kg	13.2	1	04/09/18 11:14	04/11/18 03:51	7440-39-3	
Beryllium	<0.33	mg/kg	0.33	1	04/09/18 11:14	04/11/18 03:51	7440-41-7	
Cadmium	0.52	mg/kg	0.17	1	04/09/18 11:14	04/11/18 03:51	7440-43-9	
Calcium	33300	mg/kg	66.0	1	04/09/18 11:14	04/11/18 03:51	7440-70-2	
Chromium	10.6	mg/kg	0.66	1	04/09/18 11:14	04/11/18 03:51	7440-47-3	
Cobalt	4.2	mg/kg	3.3	1	04/09/18 11:14	04/11/18 03:51	7440-48-4	
Copper	17.0	mg/kg	1.7	1	04/09/18 11:14	04/11/18 03:51	7440-50-8	
Iron	13200	mg/kg	6.6	1	04/09/18 11:14	04/11/18 03:51	7439-89-6	
Lead	8.3	mg/kg	0.33	1	04/09/18 11:14	04/11/18 03:51	7439-92-1	
Magnesium	3690	mg/kg	66.0	1	04/09/18 11:14	04/11/18 03:51	7439-95-4	
Manganese	246	mg/kg	0.99	1	04/09/18 11:14	04/11/18 03:51	7439-96-5	
Nickel	29.5	mg/kg	2.6	1	04/09/18 11:14	04/11/18 03:51	7440-02-0	
Potassium	665	mg/kg	330	1	04/09/18 11:14	04/11/18 03:51	7440-09-7	
Selenium	2.1	mg/kg	0.66	1	04/09/18 11:14	04/11/18 03:51	7782-49-2	
Silver	<0.66	mg/kg	0.66	1	04/09/18 11:14	04/11/18 03:51	7440-22-4	
Sodium	358	mg/kg	330	1	04/09/18 11:14	04/11/18 03:51	7440-23-5	
Thallium	<0.66	mg/kg	0.66	1	04/09/18 11:14	04/11/18 03:51	7440-28-0	
Vanadium	8.7	mg/kg	3.3	1	04/09/18 11:14	04/11/18 03:51	7440-62-2	
Zinc	63.6	mg/kg	1.3	1	04/09/18 11:14	04/11/18 03:51	7440-66-6	
7471 Mercury Analytical Method: EPA 7471B Preparation Method: EPA 7471B								
Mercury	0.099	mg/kg	0.043	1	04/09/18 13:02	04/10/18 13:42	7439-97-6	
8270 MSSV Analytical Method: EPA 8270D Preparation Method: EPA 3545A								
1,2,4-Trichlorobenzene	<84.0	ug/kg	84.0	1	04/09/18 18:23	04/12/18 16:33	120-82-1	
2,2'-Oxybis(1-chloropropane)	<84.0	ug/kg	84.0	1	04/09/18 18:23	04/12/18 16:33	108-60-1	
2,4,5-Trichlorophenol	<84.0	ug/kg	84.0	1	04/09/18 18:23	04/12/18 16:33	95-95-4	
2,4,6-Trichlorophenol	<84.0	ug/kg	84.0	1	04/09/18 18:23	04/12/18 16:33	88-06-2	
2,4-Dichlorophenol	<84.0	ug/kg	84.0	1	04/09/18 18:23	04/12/18 16:33	120-83-2	
2,4-Dimethylphenol	<84.0	ug/kg	84.0	1	04/09/18 18:23	04/12/18 16:33	105-67-9	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: FORMER COYNE TEXTILE FACILITY

Pace Project No.: 7047475

Sample: SOIL-121 Lab ID: 7047475006 Collected: 04/04/18 16:00 Received: 04/06/18 09:40 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Analytical Method: EPA 8270D Preparation Method: EPA 3545A								
2,4-Dinitrophenol	<840	ug/kg	840	1	04/09/18 18:23	04/12/18 16:33	51-28-5	
2,4-Dinitrotoluene	<414	ug/kg	414	1	04/09/18 18:23	04/12/18 16:33	121-14-2	
2,6-Dinitrotoluene	<414	ug/kg	414	1	04/09/18 18:23	04/12/18 16:33	606-20-2	
2-Chloronaphthalene	<84.0	ug/kg	84.0	1	04/09/18 18:23	04/12/18 16:33	91-58-7	
2-Chlorophenol	<84.0	ug/kg	84.0	1	04/09/18 18:23	04/12/18 16:33	95-57-8	
2-Methylnaphthalene	<84.0	ug/kg	84.0	1	04/09/18 18:23	04/12/18 16:33	91-57-6	
2-Methylphenol(o-Cresol)	<84.0	ug/kg	84.0	1	04/09/18 18:23	04/12/18 16:33	95-48-7	
2-Nitroaniline	<414	ug/kg	414	1	04/09/18 18:23	04/12/18 16:33	88-74-4	
2-Nitrophenol	<414	ug/kg	414	1	04/09/18 18:23	04/12/18 16:33	88-75-5	
3&4-Methylphenol(m&p Cresol)	<84.0	ug/kg	84.0	1	04/09/18 18:23	04/12/18 16:33		
3,3'-Dichlorobenzidine	<414	ug/kg	414	1	04/09/18 18:23	04/12/18 16:33	91-94-1	
3-Nitroaniline	<414	ug/kg	414	1	04/09/18 18:23	04/12/18 16:33	99-09-2	
4,6-Dinitro-2-methylphenol	<840	ug/kg	840	1	04/09/18 18:23	04/12/18 16:33	534-52-1	
4-Bromophenylphenyl ether	<84.0	ug/kg	84.0	1	04/09/18 18:23	04/12/18 16:33	101-55-3	
4-Chloro-3-methylphenol	<84.0	ug/kg	84.0	1	04/09/18 18:23	04/12/18 16:33	59-50-7	
4-Chloroaniline	<414	ug/kg	414	1	04/09/18 18:23	04/12/18 16:33	106-47-8	
4-Chlorophenylphenyl ether	<84.0	ug/kg	84.0	1	04/09/18 18:23	04/12/18 16:33	7005-72-3	
4-Nitroaniline	<414	ug/kg	414	1	04/09/18 18:23	04/12/18 16:33	100-01-6	L2
4-Nitrophenol	<840	ug/kg	840	1	04/09/18 18:23	04/12/18 16:33	100-02-7	
Acenaphthene	<84.0	ug/kg	84.0	1	04/09/18 18:23	04/12/18 16:33	83-32-9	
Acenaphthylene	<84.0	ug/kg	84.0	1	04/09/18 18:23	04/12/18 16:33	208-96-8	
Acetophenone	<84.0	ug/kg	84.0	1	04/09/18 18:23	04/12/18 16:33	98-86-2	
Anthracene	<84.0	ug/kg	84.0	1	04/09/18 18:23	04/12/18 16:33	120-12-7	
Atrazine	<84.0	ug/kg	84.0	1	04/09/18 18:23	04/12/18 16:33	1912-24-9	
Benzaldehyde	<84.0	ug/kg	84.0	1	04/09/18 18:23	04/12/18 16:33	100-52-7	CL,L2
Benzo(a)anthracene	<84.0	ug/kg	84.0	1	04/09/18 18:23	04/12/18 16:33	56-55-3	
Benzo(a)pyrene	<84.0	ug/kg	84.0	1	04/09/18 18:23	04/12/18 16:33	50-32-8	
Benzo(b)fluoranthene	<84.0	ug/kg	84.0	1	04/09/18 18:23	04/12/18 16:33	205-99-2	
Benzo(g,h,i)perylene	<84.0	ug/kg	84.0	1	04/09/18 18:23	04/12/18 16:33	191-24-2	
Benzo(k)fluoranthene	<84.0	ug/kg	84.0	1	04/09/18 18:23	04/12/18 16:33	207-08-9	
Biphenyl (Diphenyl)	<84.0	ug/kg	84.0	1	04/09/18 18:23	04/12/18 16:33	92-52-4	
Butylbenzylphthalate	<84.0	ug/kg	84.0	1	04/09/18 18:23	04/12/18 16:33	85-68-7	
Caprolactam	<84.0	ug/kg	84.0	1	04/09/18 18:23	04/12/18 16:33	105-60-2	
Carbazole	<84.0	ug/kg	84.0	1	04/09/18 18:23	04/12/18 16:33	86-74-8	
Chrysene	<84.0	ug/kg	84.0	1	04/09/18 18:23	04/12/18 16:33	218-01-9	
Di-n-butylphthalate	<84.0	ug/kg	84.0	1	04/09/18 18:23	04/12/18 16:33	84-74-2	
Di-n-octylphthalate	<84.0	ug/kg	84.0	1	04/09/18 18:23	04/12/18 16:33	117-84-0	
Dibenz(a,h)anthracene	<84.0	ug/kg	84.0	1	04/09/18 18:23	04/12/18 16:33	53-70-3	
Dibenzofuran	<84.0	ug/kg	84.0	1	04/09/18 18:23	04/12/18 16:33	132-64-9	
Diethylphthalate	<84.0	ug/kg	84.0	1	04/09/18 18:23	04/12/18 16:33	84-66-2	
Dimethylphthalate	<84.0	ug/kg	84.0	1	04/09/18 18:23	04/12/18 16:33	131-11-3	
Fluoranthene	<84.0	ug/kg	84.0	1	04/09/18 18:23	04/12/18 16:33	206-44-0	
Fluorene	<84.0	ug/kg	84.0	1	04/09/18 18:23	04/12/18 16:33	86-73-7	
Hexachloro-1,3-butadiene	<84.0	ug/kg	84.0	1	04/09/18 18:23	04/12/18 16:33	87-68-3	
Hexachlorobenzene	<84.0	ug/kg	84.0	1	04/09/18 18:23	04/12/18 16:33	118-74-1	
Hexachlorocyclopentadiene	<414	ug/kg	414	1	04/09/18 18:23	04/12/18 16:33	77-47-4	CL

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ANALYTICAL RESULTS

Project: FORMER COYNE TEXTILE FACILITY

Pace Project No.: 7047475

Sample: SOIL-121 **Lab ID: 7047475006** Collected: 04/04/18 16:00 Received: 04/06/18 09:40 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Analytical Method: EPA 8270D Preparation Method: EPA 3545A								
Hexachloroethane	<84.0	ug/kg	84.0	1	04/09/18 18:23	04/12/18 16:33	67-72-1	
Indeno(1,2,3-cd)pyrene	<84.0	ug/kg	84.0	1	04/09/18 18:23	04/12/18 16:33	193-39-5	
Isophorone	<84.0	ug/kg	84.0	1	04/09/18 18:23	04/12/18 16:33	78-59-1	
N-Nitroso-di-n-propylamine	<84.0	ug/kg	84.0	1	04/09/18 18:23	04/12/18 16:33	621-64-7	
N-Nitrosodiphenylamine	<84.0	ug/kg	84.0	1	04/09/18 18:23	04/12/18 16:33	86-30-6	
Naphthalene	<84.0	ug/kg	84.0	1	04/09/18 18:23	04/12/18 16:33	91-20-3	
Nitrobenzene	<84.0	ug/kg	84.0	1	04/09/18 18:23	04/12/18 16:33	98-95-3	
Pentachlorophenol	<84.0	ug/kg	84.0	1	04/09/18 18:23	04/12/18 16:33	87-86-5	
Phenanthrene	<84.0	ug/kg	84.0	1	04/09/18 18:23	04/12/18 16:33	85-01-8	
Phenol	<84.0	ug/kg	84.0	1	04/09/18 18:23	04/12/18 16:33	108-95-2	
Pyrene	<84.0	ug/kg	84.0	1	04/09/18 18:23	04/12/18 16:33	129-00-0	
bis(2-Chloroethoxy)methane	<84.0	ug/kg	84.0	1	04/09/18 18:23	04/12/18 16:33	111-91-1	
bis(2-Chloroethyl) ether	<84.0	ug/kg	84.0	1	04/09/18 18:23	04/12/18 16:33	111-44-4	
bis(2-Ethylhexyl)phthalate	<84.0	ug/kg	84.0	1	04/09/18 18:23	04/12/18 16:33	117-81-7	
Surrogates								
Nitrobenzene-d5 (S)	72	%	23-120	1	04/09/18 18:23	04/12/18 16:33	4165-60-0	
2-Fluorobiphenyl (S)	79	%	30-115	1	04/09/18 18:23	04/12/18 16:33	321-60-8	
p-Terphenyl-d14 (S)	92	%	18-137	1	04/09/18 18:23	04/12/18 16:33	1718-51-0	
Phenol-d5 (S)	70	%	24-113	1	04/09/18 18:23	04/12/18 16:33	4165-62-2	
2-Fluorophenol (S)	59	%	25-121	1	04/09/18 18:23	04/12/18 16:33	367-12-4	
2,4,6-Tribromophenol (S)	78	%	19-122	1	04/09/18 18:23	04/12/18 16:33	118-79-6	
2-Chlorophenol-d4 (S)	73	%	20-130	1	04/09/18 18:23	04/12/18 16:33	93951-73-6	
1,2-Dichlorobenzene-d4 (S)	64	%	20-130	1	04/09/18 18:23	04/12/18 16:33	2199-69-1	
8260 MSV 5035A-H Med Level Analytical Method: EPA 8260C Preparation Method: EPA 5035A-H/5030C								
Acetone	463	ug/kg	140	0.93	04/12/18 06:51	04/12/18 16:23	67-64-1	CH
Benzene	<140	ug/kg	140	0.93	04/12/18 06:51	04/12/18 16:23	71-43-2	
Bromobenzene	<140	ug/kg	140	0.93	04/12/18 06:51	04/12/18 16:23	108-86-1	
Bromochloromethane	<140	ug/kg	140	0.93	04/12/18 06:51	04/12/18 16:23	74-97-5	
Bromodichloromethane	<140	ug/kg	140	0.93	04/12/18 06:51	04/12/18 16:23	75-27-4	
Bromoform	<140	ug/kg	140	0.93	04/12/18 06:51	04/12/18 16:23	75-25-2	
Bromomethane	<140	ug/kg	140	0.93	04/12/18 06:51	04/12/18 16:23	74-83-9	L2
2-Butanone (MEK)	155	ug/kg	140	0.93	04/12/18 06:51	04/12/18 16:23	78-93-3	CH,IH,L1
n-Butylbenzene	<140	ug/kg	140	0.93	04/12/18 06:51	04/12/18 16:23	104-51-8	
sec-Butylbenzene	<140	ug/kg	140	0.93	04/12/18 06:51	04/12/18 16:23	135-98-8	
tert-Butylbenzene	<140	ug/kg	140	0.93	04/12/18 06:51	04/12/18 16:23	98-06-6	
Carbon tetrachloride	<140	ug/kg	140	0.93	04/12/18 06:51	04/12/18 16:23	56-23-5	
Chlorobenzene	<140	ug/kg	140	0.93	04/12/18 06:51	04/12/18 16:23	108-90-7	
Chlorodifluoromethane	<140	ug/kg	140	0.93	04/12/18 06:51	04/12/18 16:23	75-45-6	N3
Chloroethane	<140	ug/kg	140	0.93	04/12/18 06:51	04/12/18 16:23	75-00-3	L2
Chloroform	<140	ug/kg	140	0.93	04/12/18 06:51	04/12/18 16:23	67-66-3	
Chloromethane	<140	ug/kg	140	0.93	04/12/18 06:51	04/12/18 16:23	74-87-3	
2-Chlorotoluene	<140	ug/kg	140	0.93	04/12/18 06:51	04/12/18 16:23	95-49-8	
4-Chlorotoluene	<140	ug/kg	140	0.93	04/12/18 06:51	04/12/18 16:23	106-43-4	
1,2-Dibromo-3-chloropropane	<140	ug/kg	140	0.93	04/12/18 06:51	04/12/18 16:23	96-12-8	
Dibromochloromethane	<140	ug/kg	140	0.93	04/12/18 06:51	04/12/18 16:23	124-48-1	

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ANALYTICAL RESULTS

Project: FORMER COYNE TEXTILE FACILITY

Pace Project No.: 7047475

Sample: SOIL-121 Lab ID: 7047475006 Collected: 04/04/18 16:00 Received: 04/06/18 09:40 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035A-H Med Level		Analytical Method: EPA 8260C Preparation Method: EPA 5035A-H/5030C						
1,2-Dibromoethane (EDB)	<140	ug/kg	140	0.93	04/12/18 06:51	04/12/18 16:23	106-93-4	
Dibromomethane	<140	ug/kg	140	0.93	04/12/18 06:51	04/12/18 16:23	74-95-3	
1,2-Dichlorobenzene	<140	ug/kg	140	0.93	04/12/18 06:51	04/12/18 16:23	95-50-1	
1,3-Dichlorobenzene	<140	ug/kg	140	0.93	04/12/18 06:51	04/12/18 16:23	541-73-1	
1,4-Dichlorobenzene	<140	ug/kg	140	0.93	04/12/18 06:51	04/12/18 16:23	106-46-7	
Dichlorodifluoromethane	<140	ug/kg	140	0.93	04/12/18 06:51	04/12/18 16:23	75-71-8	CL
1,1-Dichloroethane	<140	ug/kg	140	0.93	04/12/18 06:51	04/12/18 16:23	75-34-3	
1,2-Dichloroethane	<140	ug/kg	140	0.93	04/12/18 06:51	04/12/18 16:23	107-06-2	
1,1-Dichloroethene	<140	ug/kg	140	0.93	04/12/18 06:51	04/12/18 16:23	75-35-4	
cis-1,2-Dichloroethene	<140	ug/kg	140	0.93	04/12/18 06:51	04/12/18 16:23	156-59-2	
trans-1,2-Dichloroethene	<140	ug/kg	140	0.93	04/12/18 06:51	04/12/18 16:23	156-60-5	
1,2-Dichloropropane	<140	ug/kg	140	0.93	04/12/18 06:51	04/12/18 16:23	78-87-5	
1,3-Dichloropropane	<140	ug/kg	140	0.93	04/12/18 06:51	04/12/18 16:23	142-28-9	
2,2-Dichloropropane	<140	ug/kg	140	0.93	04/12/18 06:51	04/12/18 16:23	594-20-7	
1,1-Dichloropropene	<140	ug/kg	140	0.93	04/12/18 06:51	04/12/18 16:23	563-58-6	
cis-1,3-Dichloropropene	<140	ug/kg	140	0.93	04/12/18 06:51	04/12/18 16:23	10061-01-5	
trans-1,3-Dichloropropene	<140	ug/kg	140	0.93	04/12/18 06:51	04/12/18 16:23	10061-02-6	
1,4-Diethylbenzene	<140	ug/kg	140	0.93	04/12/18 06:51	04/12/18 16:23	105-05-5	N3
Ethylbenzene	<140	ug/kg	140	0.93	04/12/18 06:51	04/12/18 16:23	100-41-4	
4-Ethyltoluene	<140	ug/kg	140	0.93	04/12/18 06:51	04/12/18 16:23	622-96-8	N3
Hexachloro-1,3-butadiene	<140	ug/kg	140	0.93	04/12/18 06:51	04/12/18 16:23	87-68-3	CL
Isopropylbenzene (Cumene)	<140	ug/kg	140	0.93	04/12/18 06:51	04/12/18 16:23	98-82-8	
p-Isopropyltoluene	<140	ug/kg	140	0.93	04/12/18 06:51	04/12/18 16:23	99-87-6	
Methylene Chloride	<140	ug/kg	140	0.93	04/12/18 06:51	04/12/18 16:23	75-09-2	
4-Methyl-2-pentanone (MIBK)	<140	ug/kg	140	0.93	04/12/18 06:51	04/12/18 16:23	108-10-1	
Methyl-tert-butyl ether	<140	ug/kg	140	0.93	04/12/18 06:51	04/12/18 16:23	1634-04-4	
Naphthalene	<140	ug/kg	140	0.93	04/12/18 06:51	04/12/18 16:23	91-20-3	
n-Propylbenzene	<140	ug/kg	140	0.93	04/12/18 06:51	04/12/18 16:23	103-65-1	
Styrene	<140	ug/kg	140	0.93	04/12/18 06:51	04/12/18 16:23	100-42-5	
1,1,1,2-Tetrachloroethane	<140	ug/kg	140	0.93	04/12/18 06:51	04/12/18 16:23	630-20-6	
1,1,1,2,2-Tetrachloroethane	<140	ug/kg	140	0.93	04/12/18 06:51	04/12/18 16:23	79-34-5	
Tetrachloroethene	<140	ug/kg	140	0.93	04/12/18 06:51	04/12/18 16:23	127-18-4	
1,2,4,5-tetramethylbenzene	<140	ug/kg	140	0.93	04/12/18 06:51	04/12/18 16:23	95-93-2	N3
Toluene	<140	ug/kg	140	0.93	04/12/18 06:51	04/12/18 16:23	108-88-3	
1,2,3-Trichlorobenzene	<140	ug/kg	140	0.93	04/12/18 06:51	04/12/18 16:23	87-61-6	CL
1,2,4-Trichlorobenzene	<140	ug/kg	140	0.93	04/12/18 06:51	04/12/18 16:23	120-82-1	
1,1,1-Trichloroethane	<140	ug/kg	140	0.93	04/12/18 06:51	04/12/18 16:23	71-55-6	
1,1,2-Trichloroethane	<140	ug/kg	140	0.93	04/12/18 06:51	04/12/18 16:23	79-00-5	L2
Trichloroethene	<140	ug/kg	140	0.93	04/12/18 06:51	04/12/18 16:23	79-01-6	
Trichlorofluoromethane	<140	ug/kg	140	0.93	04/12/18 06:51	04/12/18 16:23	75-69-4	L2
1,2,3-Trichloropropane	<140	ug/kg	140	0.93	04/12/18 06:51	04/12/18 16:23	96-18-4	
1,1,2-Trichlorotrifluoroethane	<140	ug/kg	140	0.93	04/12/18 06:51	04/12/18 16:23	76-13-1	
1,2,4-Trimethylbenzene	156	ug/kg	140	0.93	04/12/18 06:51	04/12/18 16:23	95-63-6	
1,3,5-Trimethylbenzene	<140	ug/kg	140	0.93	04/12/18 06:51	04/12/18 16:23	108-67-8	
Vinyl chloride	<140	ug/kg	140	0.93	04/12/18 06:51	04/12/18 16:23	75-01-4	
Xylene (Total)	<280	ug/kg	280	0.93	04/12/18 06:51	04/12/18 16:23	1330-20-7	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: FORMER COYNE TEXTILE FACILITY

Pace Project No.: 7047475

Sample: SOIL-121 **Lab ID: 7047475006** Collected: 04/04/18 16:00 Received: 04/06/18 09:40 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035A-H Med Level		Analytical Method: EPA 8260C Preparation Method: EPA 5035A-H/5030C						
m&p-Xylene	<280	ug/kg	280	0.93	04/12/18 06:51	04/12/18 16:23	179601-23-1	
o-Xylene	<140	ug/kg	140	0.93	04/12/18 06:51	04/12/18 16:23	95-47-6	
Surrogates								
Toluene-d8 (S)	96	%	43-157	0.93	04/12/18 06:51	04/12/18 16:23	2037-26-5	
4-Bromofluorobenzene (S)	96	%	34-145	0.93	04/12/18 06:51	04/12/18 16:23	460-00-4	
1,2-Dichloroethane-d4 (S)	110	%	33-150	0.93	04/12/18 06:51	04/12/18 16:23	17060-07-0	
Percent Moisture		Analytical Method: ASTM D2216-92M						
Percent Moisture	20.2	%	0.10	1		04/07/18 00:50		

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: FORMER COYNE TEXTILE FACILITY

Pace Project No.: 7047475

QC Batch: 62581

Analysis Method: EPA 7471B

QC Batch Method: EPA 7471B

Analysis Description: 7471 Mercury

Associated Lab Samples: 7047475001, 7047475002, 7047475003, 7047475004, 7047475005, 7047475006

METHOD BLANK: 287315

Matrix: Solid

Associated Lab Samples: 7047475001, 7047475002, 7047475003, 7047475004, 7047475005, 7047475006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury	mg/kg	<0.033	0.033	04/10/18 13:24	

LABORATORY CONTROL SAMPLE: 287316

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	mg/kg	.17	0.16	94	80-120	

MATRIX SPIKE SAMPLE: 287317

Parameter	Units	7047482005 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Mercury	mg/kg	<0.046	.22	0.24	98	80-120	

SAMPLE DUPLICATE: 287318

Parameter	Units	7047482005 Result	Dup Result	RPD	Qualifiers
Mercury	mg/kg	<0.046	<0.052		

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QUALITY CONTROL DATA

Project: FORMER COYNE TEXTILE FACILITY

Pace Project No.: 7047475

QC Batch: 62553 Analysis Method: EPA 6010C
 QC Batch Method: EPA 3050B Analysis Description: 6010 MET
 Associated Lab Samples: 7047475001, 7047475002, 7047475003, 7047475004, 7047475005, 7047475006

METHOD BLANK: 287157 Matrix: Solid
 Associated Lab Samples: 7047475001, 7047475002, 7047475003, 7047475004, 7047475005, 7047475006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Aluminum	mg/kg	123	9.7	04/11/18 03:13	
Antimony	mg/kg	<2.9	2.9	04/11/18 03:13	
Arsenic	mg/kg	<0.48	0.48	04/11/18 03:13	
Barium	mg/kg	<9.7	9.7	04/11/18 03:13	
Beryllium	mg/kg	<0.24	0.24	04/11/18 03:13	
Cadmium	mg/kg	<0.12	0.12	04/11/18 03:13	
Calcium	mg/kg	<48.4	48.4	04/11/18 03:13	
Chromium	mg/kg	<0.48	0.48	04/11/18 03:13	
Cobalt	mg/kg	<2.4	2.4	04/11/18 03:13	
Copper	mg/kg	<1.2	1.2	04/11/18 03:13	
Iron	mg/kg	<4.8	4.8	04/11/18 03:13	
Lead	mg/kg	<0.24	0.24	04/11/18 03:13	
Magnesium	mg/kg	<48.4	48.4	04/11/18 03:13	
Manganese	mg/kg	<0.73	0.73	04/11/18 03:13	
Nickel	mg/kg	<1.9	1.9	04/11/18 03:13	
Potassium	mg/kg	<242	242	04/11/18 03:13	
Selenium	mg/kg	<0.48	0.48	04/11/18 03:13	
Silver	mg/kg	<0.48	0.48	04/11/18 03:13	
Sodium	mg/kg	<242	242	04/11/18 03:13	
Thallium	mg/kg	<0.48	0.48	04/11/18 03:13	
Vanadium	mg/kg	<2.4	2.4	04/11/18 03:13	
Zinc	mg/kg	<0.97	0.97	04/11/18 03:13	

LABORATORY CONTROL SAMPLE: 287158

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Aluminum	mg/kg	7990	6270	78	47-152	
Antimony	mg/kg	65	37.8	58	1-200	
Arsenic	mg/kg	147	139	95	80-120	
Barium	mg/kg	314	301	96	80-120	
Beryllium	mg/kg	53.3	54.6	102	80-120	
Cadmium	mg/kg	193	185	96	80-120	
Calcium	mg/kg	4580	4420	97	80-120	
Chromium	mg/kg	82.5	77.1	93	80-120	
Cobalt	mg/kg	81.2	81.6	100	80-120	
Copper	mg/kg	171	161	94	80-120	
Iron	mg/kg	14100	9740	69	60-140	
Lead	mg/kg	92.2	88.6	96	80-120	
Magnesium	mg/kg	2240	2020	90	80-120	
Manganese	mg/kg	222	216	97	80-120	

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QUALITY CONTROL DATA

Project: FORMER COYNE TEXTILE FACILITY

Pace Project No.: 7047475

LABORATORY CONTROL SAMPLE: 287158

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nickel	mg/kg	137	135	99	80-120	
Potassium	mg/kg	2000	1700	85	70-130	
Selenium	mg/kg	187	180	96	80-120	
Silver	mg/kg	40.7	42.9	106	80-120	
Sodium	mg/kg	216	<250	81	72-128	
Thallium	mg/kg	153	153	100	80-120	
Vanadium	mg/kg	86.5	77.2	89	80-120	
Zinc	mg/kg	189	180	96	80-120	

MATRIX SPIKE SAMPLE: 287160

Parameter	Units	7047482005 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Aluminum	mg/kg	6110	334	7830	514	75-125	M1
Antimony	mg/kg	<3.8	49.9	28.4	57	75-125	M1
Arsenic	mg/kg	6.5	33.4	40.5	102	75-125	
Barium	mg/kg	49.3	33.4	81.5	97	75-125	
Beryllium	mg/kg	<0.31	3.3	3.4	93	75-125	
Cadmium	mg/kg	0.36	3.3	3.3	90	75-125	
Calcium	mg/kg	53600	1670	53700	11	75-125	M1
Chromium	mg/kg	11.4	16.7	28.3	102	75-125	
Cobalt	mg/kg	6.0	33.4	36.6	92	75-125	
Copper	mg/kg	7.0	16.7	22.8	94	75-125	
Iron	mg/kg	13900	134	15000	808	75-125	M1
Lead	mg/kg	5.9	33.4	34.9	87	75-125	
Magnesium	mg/kg	9990	1670	11500	92	75-125	
Manganese	mg/kg	192	16.7	204	74	75-125	M1
Nickel	mg/kg	15.5	16.7	29.9	86	75-125	
Potassium	mg/kg	852	3340	4630	113	75-125	
Selenium	mg/kg	<0.63	49.9	46.4	93	75-125	
Silver	mg/kg	<0.63	16.7	14.4	86	75-125	
Sodium	mg/kg	<313	3340	3490	102	75-125	
Thallium	mg/kg	<0.63	49.9	44.9	90	75-125	
Vanadium	mg/kg	10.3	33.4	43.7	100	75-125	
Zinc	mg/kg	33.4	66.6	92.1	88	75-125	

SAMPLE DUPLICATE: 287159

Parameter	Units	7047482005 Result	Dup Result	RPD	Qualifiers
Aluminum	mg/kg	6110	5650	8	
Antimony	mg/kg	<3.8	<3.8		
Arsenic	mg/kg	6.5	11.9	58	D6
Barium	mg/kg	49.3	50.2	2	
Beryllium	mg/kg	<0.31	<0.31		
Cadmium	mg/kg	0.36	0.40	10	

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QUALITY CONTROL DATA

Project: FORMER COYNE TEXTILE FACILITY

Pace Project No.: 7047475

SAMPLE DUPLICATE: 287159

Parameter	Units	7047482005 Result	Dup Result	RPD	Qualifiers
Calcium	mg/kg	53600	52300	2	
Chromium	mg/kg	11.4	10.9	4	
Cobalt	mg/kg	6.0	6.9	13	
Copper	mg/kg	7.0	7.9	12	
Iron	mg/kg	13900	15700	12	
Lead	mg/kg	5.9	5.5	6	
Magnesium	mg/kg	9990	9760	2	
Manganese	mg/kg	192	186	3	
Nickel	mg/kg	15.5	16.5	6	
Potassium	mg/kg	852	837	2	
Selenium	mg/kg	<0.63	<0.63		
Silver	mg/kg	<0.63	<0.63		
Sodium	mg/kg	<313	<314		
Thallium	mg/kg	<0.63	<0.63		
Vanadium	mg/kg	10.3	10.4	1	
Zinc	mg/kg	33.4	31.3	7	

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QUALITY CONTROL DATA

Project: FORMER COYNE TEXTILE FACILITY

Pace Project No.: 7047475

QC Batch: 63165 Analysis Method: EPA 8260C
QC Batch Method: EPA 5035A-L Analysis Description: 8260 MSV 5035A-L Low Level
Associated Lab Samples: 7047475003, 7047475005

METHOD BLANK: 289993 Matrix: Solid

Associated Lab Samples: 7047475003, 7047475005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/kg	<2.0	2.0	04/11/18 09:03	
1,1,2,2-Tetrachloroethane	ug/kg	<2.0	2.0	04/11/18 09:03	
1,1,2-Trichloroethane	ug/kg	<2.0	2.0	04/11/18 09:03	
1,1,2-Trichlorotrifluoroethane	ug/kg	<2.0	2.0	04/11/18 09:03	CL
1,1-Dichloroethane	ug/kg	<2.0	2.0	04/11/18 09:03	
1,1-Dichloroethene	ug/kg	<2.0	2.0	04/11/18 09:03	
1,2,4-Trichlorobenzene	ug/kg	<2.0	2.0	04/11/18 09:03	
1,2-Dibromo-3-chloropropane	ug/kg	<2.0	2.0	04/11/18 09:03	
1,2-Dibromoethane (EDB)	ug/kg	<2.0	2.0	04/11/18 09:03	
1,2-Dichlorobenzene	ug/kg	<2.0	2.0	04/11/18 09:03	
1,2-Dichloroethane	ug/kg	<2.0	2.0	04/11/18 09:03	
1,2-Dichloropropane	ug/kg	<2.0	2.0	04/11/18 09:03	
1,3-Dichlorobenzene	ug/kg	<2.0	2.0	04/11/18 09:03	
1,4-Dichlorobenzene	ug/kg	<2.0	2.0	04/11/18 09:03	
2-Butanone (MEK)	ug/kg	<2.0	2.0	04/11/18 09:03	
2-Hexanone	ug/kg	<2.0	2.0	04/11/18 09:03	
4-Methyl-2-pentanone (MIBK)	ug/kg	<2.0	2.0	04/11/18 09:03	
Acetone	ug/kg	<2.0	2.0	04/11/18 09:03	
Benzene	ug/kg	<2.0	2.0	04/11/18 09:03	
Bromodichloromethane	ug/kg	<2.0	2.0	04/11/18 09:03	
Bromoform	ug/kg	<2.0	2.0	04/11/18 09:03	
Bromomethane	ug/kg	<2.0	2.0	04/11/18 09:03	
Carbon disulfide	ug/kg	<2.0	2.0	04/11/18 09:03	
Carbon tetrachloride	ug/kg	<2.0	2.0	04/11/18 09:03	
Chlorobenzene	ug/kg	<2.0	2.0	04/11/18 09:03	
Chloroethane	ug/kg	<2.0	2.0	04/11/18 09:03	
Chloroform	ug/kg	<2.0	2.0	04/11/18 09:03	
Chloromethane	ug/kg	<2.0	2.0	04/11/18 09:03	
cis-1,2-Dichloroethene	ug/kg	<2.0	2.0	04/11/18 09:03	
cis-1,3-Dichloropropene	ug/kg	<2.0	2.0	04/11/18 09:03	
Cyclohexane	ug/kg	<2.0	2.0	04/11/18 09:03	
Dibromochloromethane	ug/kg	<2.0	2.0	04/11/18 09:03	
Dichlorodifluoromethane	ug/kg	<2.0	2.0	04/11/18 09:03	CL
Ethylbenzene	ug/kg	<2.0	2.0	04/11/18 09:03	
Isopropylbenzene (Cumene)	ug/kg	<2.0	2.0	04/11/18 09:03	
Methyl acetate	ug/kg	<2.0	2.0	04/11/18 09:03	
Methyl-tert-butyl ether	ug/kg	<2.0	2.0	04/11/18 09:03	
Methylcyclohexane	ug/kg	<2.0	2.0	04/11/18 09:03	
Methylene Chloride	ug/kg	<2.0	2.0	04/11/18 09:03	
Styrene	ug/kg	<2.0	2.0	04/11/18 09:03	
Tetrachloroethene	ug/kg	<2.0	2.0	04/11/18 09:03	

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QUALITY CONTROL DATA

Project: FORMER COYNE TEXTILE FACILITY
Pace Project No.: 7047475

METHOD BLANK: 289993 Matrix: Solid
Associated Lab Samples: 7047475003, 7047475005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Toluene	ug/kg	<2.0	2.0	04/11/18 09:03	
trans-1,2-Dichloroethane	ug/kg	<2.0	2.0	04/11/18 09:03	
trans-1,3-Dichloropropene	ug/kg	<2.0	2.0	04/11/18 09:03	
Trichloroethene	ug/kg	<2.0	2.0	04/11/18 09:03	
Trichlorofluoromethane	ug/kg	<2.0	2.0	04/11/18 09:03	
Vinyl chloride	ug/kg	<2.0	2.0	04/11/18 09:03	CL
Xylene (Total)	ug/kg	<4.0	4.0	04/11/18 09:03	
1,2-Dichloroethane-d4 (S)	%	91	33-150	04/11/18 09:03	
4-Bromofluorobenzene (S)	%	103	34-145	04/11/18 09:03	
Toluene-d8 (S)	%	94	43-157	04/11/18 09:03	

LABORATORY CONTROL SAMPLE: 289994

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/kg	50.5	40.3	80	59-134	
1,1,2,2-Tetrachloroethane	ug/kg	50.5	41.1	81	69-132	
1,1,2-Trichloroethane	ug/kg	50.5	48.0	95	73-135	
1,1,2-Trichlorotrifluoroethane	ug/kg	50.5	34.2	68	45-156	CL
1,1-Dichloroethane	ug/kg	50.5	40.7	81	53-160	
1,1-Dichloroethene	ug/kg	50.5	43.6	86	47-152	
1,2,4-Trichlorobenzene	ug/kg	50.5	43.6	86	52-140	
1,2-Dibromo-3-chloropropane	ug/kg	50.5	39.1	77	57-140	
1,2-Dibromoethane (EDB)	ug/kg	50.5	50.4	100	76-138	
1,2-Dichlorobenzene	ug/kg	50.5	46.4	92	67-125	
1,2-Dichloroethane	ug/kg	50.5	37.2	74	65-143	
1,2-Dichloropropane	ug/kg	50.5	44.1	87	72-131	
1,3-Dichlorobenzene	ug/kg	50.5	47.0	93	64-124	
1,4-Dichlorobenzene	ug/kg	50.5	47.1	93	61-127	
2-Butanone (MEK)	ug/kg	50.5	36.3	72	52-164	
2-Hexanone	ug/kg	50.5	46.1	91	66-151	
4-Methyl-2-pentanone (MIBK)	ug/kg	50.5	49.3	98	63-154	
Acetone	ug/kg	50.5	41.4	82	23-196	IH
Benzene	ug/kg	50.5	48.4	96	65-129	
Bromodichloromethane	ug/kg	50.5	45.3	90	74-141	
Bromoform	ug/kg	50.5	48.3	96	59-136	
Bromomethane	ug/kg	50.5	58.8	116	32-182	
Carbon disulfide	ug/kg	50.5	45.3	90	26-160	
Carbon tetrachloride	ug/kg	50.5	41.8	83	57-135	
Chlorobenzene	ug/kg	50.5	49.8	99	62-136	
Chloroethane	ug/kg	50.5	47.2	93	50-159	
Chloroform	ug/kg	50.5	40.8	81	71-135	
Chloromethane	ug/kg	50.5	44.0	87	44-139	
cis-1,2-Dichloroethene	ug/kg	50.5	41.3	82	75-130	
cis-1,3-Dichloropropene	ug/kg	50.5	46.1	91	74-140	

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QUALITY CONTROL DATA

Project: FORMER COYNE TEXTILE FACILITY

Pace Project No.: 7047475

LABORATORY CONTROL SAMPLE: 289994

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Cyclohexane	ug/kg	50.5	39.3	78	21-139	
Dibromochloromethane	ug/kg	50.5	44.6	88	71-133	
Dichlorodifluoromethane	ug/kg	50.5	29.4	58	10-155	CL
Ethylbenzene	ug/kg	50.5	50.1	99	59-135	
Isopropylbenzene (Cumene)	ug/kg	50.5	47.4	94	56-129	
Methyl acetate	ug/kg	50.5	39.1	78	33-176	
Methyl-tert-butyl ether	ug/kg	50.5	39.7	79	25-171	
Methylcyclohexane	ug/kg	50.5	48.5	96	24-141	
Methylene Chloride	ug/kg	50.5	47.4	94	50-164	
Styrene	ug/kg	50.5	51.6	102	73-133	
Tetrachloroethene	ug/kg	50.5	51.0	101	10-176	
Toluene	ug/kg	50.5	53.6	106	66-131	
trans-1,2-Dichloroethene	ug/kg	50.5	38.5	76	53-157	
trans-1,3-Dichloropropene	ug/kg	50.5	48.2	95	66-144	
Trichloroethene	ug/kg	50.5	46.6	92	62-130	
Trichlorofluoromethane	ug/kg	50.5	43.2	86	38-166	
Vinyl chloride	ug/kg	50.5	37.4	74	45-137	CL
Xylene (Total)	ug/kg	152	153	101	62-135	
1,2-Dichloroethane-d4 (S)	%			87	33-150	
4-Bromofluorobenzene (S)	%			103	34-145	
Toluene-d8 (S)	%			96	43-157	

MATRIX SPIKE SAMPLE: 289995

Parameter	Units	7047329010 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/kg	<1.8	49	42.4	86	59-134	
1,1,2,2-Tetrachloroethane	ug/kg	<1.8	49	37.6	77	69-132	
1,1,2-Trichloroethane	ug/kg	<1.8	49	44.1	90	73-135	
1,1,2-Trichlorotrifluoroethane	ug/kg	<1.8	49	34.8	71	45-156	CL
1,1-Dichloroethane	ug/kg	<1.8	49	45.8	93	53-160	
1,1-Dichloroethene	ug/kg	<1.8	49	52.7	107	47-152	
1,2,4-Trichlorobenzene	ug/kg	<1.8	49	43.6	89	52-140	
1,2-Dibromo-3-chloropropane	ug/kg	<1.8	49	37.1	76	57-140	
1,2-Dibromoethane (EDB)	ug/kg	<1.8	49	51.5	105	76-138	
1,2-Dichlorobenzene	ug/kg	<1.8	49	48.6	99	67-125	
1,2-Dichloroethane	ug/kg	<1.8	49	36.9	75	65-143	
1,2-Dichloropropane	ug/kg	<1.8	49	43.6	89	72-131	
1,3-Dichlorobenzene	ug/kg	<1.8	49	49.7	101	64-124	
1,4-Dichlorobenzene	ug/kg	<1.8	49	49.0	100	61-127	
2-Butanone (MEK)	ug/kg	<1.8	49	29.6	60	52-164	
2-Hexanone	ug/kg	<1.8	49	36.2	74	66-151	
4-Methyl-2-pentanone (MIBK)	ug/kg	<1.8	49	39.4	80	63-154	
Acetone	ug/kg	<1.8	49	56.9	116	23-196	IH
Benzene	ug/kg	<1.8	49	49.6	101	65-129	
Bromodichloromethane	ug/kg	<1.8	49	45.6	93	74-141	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: FORMER COYNE TEXTILE FACILITY

Pace Project No.: 7047475

MATRIX SPIKE SAMPLE: 289995		7047329010	Spike	MS	MS	% Rec	
Parameter	Units	Result	Conc.	Result	% Rec	Limits	Qualifiers
Bromoform	ug/kg	<1.8	49	41.9	85	59-136	
Bromomethane	ug/kg	<1.8	49	24.2	49	32-182	
Carbon disulfide	ug/kg	<1.8	49	57.6	118	26-160	
Carbon tetrachloride	ug/kg	<1.8	49	41.8	85	57-135	
Chlorobenzene	ug/kg	<1.8	49	51.3	105	62-136	
Chloroethane	ug/kg	<1.8	49	55.9	114	50-159	
Chloroform	ug/kg	<1.8	49	44.9	92	71-135	
Chloromethane	ug/kg	<1.8	49	46.0	94	44-139	
cis-1,2-Dichloroethene	ug/kg	<1.8	49	47.0	96	75-130	
cis-1,3-Dichloropropene	ug/kg	<1.8	49	44.7	91	74-140	
Cyclohexane	ug/kg	<1.8	49	40.5	83	21-139	
Dibromochloromethane	ug/kg	<1.8	49	39.0	80	71-133	
Dichlorodifluoromethane	ug/kg	<1.8	49	34.4	70	10-155	CL
Ethylbenzene	ug/kg	<1.8	49	52.6	107	59-135	
Isopropylbenzene (Cumene)	ug/kg	<1.8	49	50.2	102	56-129	
Methyl acetate	ug/kg	<1.8	49	34.0	69	33-176	
Methyl-tert-butyl ether	ug/kg	<1.8	49	9.7	20	25-171	M1
Methylcyclohexane	ug/kg	<1.8	49	45.4	93	24-141	
Methylene Chloride	ug/kg	<1.8	49	57.8	118	50-164	
Styrene	ug/kg	<1.8	49	55.1	112	73-133	
Tetrachloroethene	ug/kg	<1.8	49	47.7	97	10-176	
Toluene	ug/kg	<1.8	49	60.3	123	66-131	
trans-1,2-Dichloroethene	ug/kg	<1.8	49	42.4	87	53-157	
trans-1,3-Dichloropropene	ug/kg	<1.8	49	45.6	93	66-144	
Trichloroethene	ug/kg	<1.8	49	47.1	96	62-130	
Trichlorofluoromethane	ug/kg	<1.8	49	50.7	103	38-166	
Vinyl chloride	ug/kg	<1.8	49	44.7	91	45-137	CL
Xylene (Total)	ug/kg	<3.6	147	165	113	62-135	
1,2-Dichloroethane-d4 (S)	%				83	33-150	
4-Bromofluorobenzene (S)	%				105	34-145	
Toluene-d8 (S)	%				94	43-157	

SAMPLE DUPLICATE: 289996

Parameter	Units	7047475003	Dup	RPD	Qualifiers
		Result	Result		
1,1,1-Trichloroethane	ug/kg	<2.5	<1.9		
1,1,2,2-Tetrachloroethane	ug/kg	<2.5	<1.9		
1,1,2-Trichloroethane	ug/kg	<2.5	<1.9		
1,1,2-Trichlorotrifluoroethane	ug/kg	<2.5	<1.9		CL
1,1-Dichloroethane	ug/kg	<2.5	<1.9		
1,1-Dichloroethene	ug/kg	<2.5	<1.9		
1,2,4-Trichlorobenzene	ug/kg	<2.5	<1.9		
1,2-Dibromo-3-chloropropane	ug/kg	<2.5	<1.9		
1,2-Dibromoethane (EDB)	ug/kg	<2.5	<1.9		
1,2-Dichlorobenzene	ug/kg	<2.5	<1.9		

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QUALITY CONTROL DATA

Project: FORMER COYNE TEXTILE FACILITY

Pace Project No.: 7047475

SAMPLE DUPLICATE: 289996

Parameter	Units	7047475003 Result	Dup Result	RPD	Qualifiers
1,2-Dichloroethane	ug/kg	<2.5	<1.9		
1,2-Dichloropropane	ug/kg	<2.5	<1.9		
1,3-Dichlorobenzene	ug/kg	<2.5	<1.9		
1,4-Dichlorobenzene	ug/kg	<2.5	<1.9		
2-Butanone (MEK)	ug/kg	16.8	18.6	10	
2-Hexanone	ug/kg	<2.5	<1.9		
4-Methyl-2-pentanone (MIBK)	ug/kg	<2.5	<1.9		
Acetone	ug/kg	60.1	75.7	23	D6,IH
Benzene	ug/kg	<2.5	<1.9		
Bromodichloromethane	ug/kg	<2.5	<1.9		
Bromoform	ug/kg	<2.5	<1.9		
Bromomethane	ug/kg	<2.5	<1.9		
Carbon disulfide	ug/kg	<2.5	<1.9		
Carbon tetrachloride	ug/kg	<2.5	<1.9		
Chlorobenzene	ug/kg	<2.5	<1.9		
Chloroethane	ug/kg	<2.5	<1.9		
Chloroform	ug/kg	<2.5	<1.9		
Chloromethane	ug/kg	<2.5	<1.9		
cis-1,2-Dichloroethene	ug/kg	<2.5	4.6		
cis-1,3-Dichloropropene	ug/kg	<2.5	<1.9		
Cyclohexane	ug/kg	<2.5	<1.9		
Dibromochloromethane	ug/kg	<2.5	<1.9		
Dichlorodifluoromethane	ug/kg	<2.5	<1.9		CL
Ethylbenzene	ug/kg	<2.5	<1.9		
Isopropylbenzene (Cumene)	ug/kg	<2.5	<1.9		
Methyl acetate	ug/kg	<2.5	<1.9		
Methyl-tert-butyl ether	ug/kg	<2.5	<1.9		
Methylcyclohexane	ug/kg	4.6	2.6	57	D6
Methylene Chloride	ug/kg	<2.5	<1.9		
Styrene	ug/kg	<2.5	<1.9		
Tetrachloroethene	ug/kg	3.1	13.7	126	D6
Toluene	ug/kg	<2.5	<1.9		
trans-1,2-Dichloroethene	ug/kg	<2.5	<1.9		
trans-1,3-Dichloropropene	ug/kg	<2.5	<1.9		
Trichloroethene	ug/kg	<2.5	<1.9		
Trichlorofluoromethane	ug/kg	<2.5	<1.9		
Vinyl chloride	ug/kg	<2.5	<1.9		CL
Xylene (Total)	ug/kg	<5.1	<3.7		
1,2-Dichloroethane-d4 (S)	%	116	113	34	
4-Bromofluorobenzene (S)	%	100	97	34	
Toluene-d8 (S)	%	90	94	26	

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QUALITY CONTROL DATA

Project: FORMER COYNE TEXTILE FACILITY

Pace Project No.: 7047475

QC Batch: 63412 Analysis Method: EPA 8260C
 QC Batch Method: EPA 5035A-H/5030C Analysis Description: 8260 MSV 5035A-H Med
 Associated Lab Samples: 7047475001, 7047475002, 7047475004, 7047475006

METHOD BLANK: 291195 Matrix: Solid
 Associated Lab Samples: 7047475001, 7047475002, 7047475004, 7047475006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	<99.0	99.0	04/12/18 09:18	
1,1,1-Trichloroethane	ug/kg	<99.0	99.0	04/12/18 09:18	
1,1,2,2-Tetrachloroethane	ug/kg	<99.0	99.0	04/12/18 09:18	
1,1,2-Trichloroethane	ug/kg	<99.0	99.0	04/12/18 09:18	
1,1,2-Trichlorotrifluoroethane	ug/kg	<99.0	99.0	04/12/18 09:18	
1,1-Dichloroethane	ug/kg	<99.0	99.0	04/12/18 09:18	
1,1-Dichloroethene	ug/kg	<99.0	99.0	04/12/18 09:18	
1,1-Dichloropropene	ug/kg	<99.0	99.0	04/12/18 09:18	
1,2,3-Trichlorobenzene	ug/kg	<99.0	99.0	04/12/18 09:18	CL
1,2,3-Trichloropropane	ug/kg	<99.0	99.0	04/12/18 09:18	
1,2,4,5-tetramethylbenzene	ug/kg	<99.0	99.0	04/12/18 09:18	N3
1,2,4-Trichlorobenzene	ug/kg	<99.0	99.0	04/12/18 09:18	
1,2,4-Trimethylbenzene	ug/kg	<99.0	99.0	04/12/18 09:18	
1,2-Dibromo-3-chloropropane	ug/kg	<99.0	99.0	04/12/18 09:18	
1,2-Dibromoethane (EDB)	ug/kg	<99.0	99.0	04/12/18 09:18	
1,2-Dichlorobenzene	ug/kg	<99.0	99.0	04/12/18 09:18	
1,2-Dichloroethane	ug/kg	<99.0	99.0	04/12/18 09:18	
1,2-Dichloropropane	ug/kg	<99.0	99.0	04/12/18 09:18	
1,3,5-Trimethylbenzene	ug/kg	<99.0	99.0	04/12/18 09:18	
1,3-Dichlorobenzene	ug/kg	<99.0	99.0	04/12/18 09:18	
1,3-Dichloropropane	ug/kg	<99.0	99.0	04/12/18 09:18	
1,4-Dichlorobenzene	ug/kg	<99.0	99.0	04/12/18 09:18	
1,4-Diethylbenzene	ug/kg	<99.0	99.0	04/12/18 09:18	N3
2,2-Dichloropropane	ug/kg	<99.0	99.0	04/12/18 09:18	
2-Butanone (MEK)	ug/kg	<99.0	99.0	04/12/18 09:18	
2-Chlorotoluene	ug/kg	<99.0	99.0	04/12/18 09:18	
4-Chlorotoluene	ug/kg	<99.0	99.0	04/12/18 09:18	
4-Ethyltoluene	ug/kg	<99.0	99.0	04/12/18 09:18	N3
4-Methyl-2-pentanone (MIBK)	ug/kg	<99.0	99.0	04/12/18 09:18	
Acetone	ug/kg	<99.0	99.0	04/12/18 09:18	
Benzene	ug/kg	<99.0	99.0	04/12/18 09:18	
Bromobenzene	ug/kg	<99.0	99.0	04/12/18 09:18	
Bromochloromethane	ug/kg	<99.0	99.0	04/12/18 09:18	
Bromodichloromethane	ug/kg	<99.0	99.0	04/12/18 09:18	
Bromoform	ug/kg	<99.0	99.0	04/12/18 09:18	
Bromomethane	ug/kg	<99.0	99.0	04/12/18 09:18	
Carbon tetrachloride	ug/kg	<99.0	99.0	04/12/18 09:18	
Chlorobenzene	ug/kg	<99.0	99.0	04/12/18 09:18	
Chlorodifluoromethane	ug/kg	<99.0	99.0	04/12/18 09:18	N3
Chloroethane	ug/kg	<99.0	99.0	04/12/18 09:18	
Chloroform	ug/kg	<99.0	99.0	04/12/18 09:18	

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QUALITY CONTROL DATA

Project: FORMER COYNE TEXTILE FACILITY

Pace Project No.: 7047475

METHOD BLANK: 291195

Matrix: Solid

Associated Lab Samples: 7047475001, 7047475002, 7047475004, 7047475006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Chloromethane	ug/kg	<99.0	99.0	04/12/18 09:18	
cis-1,2-Dichloroethene	ug/kg	<99.0	99.0	04/12/18 09:18	
cis-1,3-Dichloropropene	ug/kg	<99.0	99.0	04/12/18 09:18	
Dibromochloromethane	ug/kg	<99.0	99.0	04/12/18 09:18	
Dibromomethane	ug/kg	<99.0	99.0	04/12/18 09:18	
Dichlorodifluoromethane	ug/kg	<99.0	99.0	04/12/18 09:18	CL
Ethylbenzene	ug/kg	<99.0	99.0	04/12/18 09:18	
Hexachloro-1,3-butadiene	ug/kg	<99.0	99.0	04/12/18 09:18	CL
Isopropylbenzene (Cumene)	ug/kg	<99.0	99.0	04/12/18 09:18	
m&p-Xylene	ug/kg	<198	198	04/12/18 09:18	
Methyl-tert-butyl ether	ug/kg	<99.0	99.0	04/12/18 09:18	
Methylene Chloride	ug/kg	<99.0	99.0	04/12/18 09:18	
n-Butylbenzene	ug/kg	<99.0	99.0	04/12/18 09:18	
n-Propylbenzene	ug/kg	<99.0	99.0	04/12/18 09:18	
Naphthalene	ug/kg	<99.0	99.0	04/12/18 09:18	
o-Xylene	ug/kg	<99.0	99.0	04/12/18 09:18	
p-Isopropyltoluene	ug/kg	<99.0	99.0	04/12/18 09:18	
sec-Butylbenzene	ug/kg	<99.0	99.0	04/12/18 09:18	
Styrene	ug/kg	<99.0	99.0	04/12/18 09:18	
tert-Butylbenzene	ug/kg	<99.0	99.0	04/12/18 09:18	
Tetrachloroethene	ug/kg	<99.0	99.0	04/12/18 09:18	
Toluene	ug/kg	<99.0	99.0	04/12/18 09:18	
trans-1,2-Dichloroethene	ug/kg	<99.0	99.0	04/12/18 09:18	
trans-1,3-Dichloropropene	ug/kg	<99.0	99.0	04/12/18 09:18	
Trichloroethene	ug/kg	<99.0	99.0	04/12/18 09:18	
Trichlorofluoromethane	ug/kg	<99.0	99.0	04/12/18 09:18	
Vinyl chloride	ug/kg	<99.0	99.0	04/12/18 09:18	
Xylene (Total)	ug/kg	<198	198	04/12/18 09:18	
1,2-Dichloroethane-d4 (S)	%	109	33-150	04/12/18 09:18	
4-Bromofluorobenzene (S)	%	97	34-145	04/12/18 09:18	
Toluene-d8 (S)	%	95	43-157	04/12/18 09:18	

LABORATORY CONTROL SAMPLE: 291196

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	2530	1970	78	74-140	
1,1,1-Trichloroethane	ug/kg	2530	2190	87	59-134	
1,1,2,2-Tetrachloroethane	ug/kg	2530	2210	88	69-132	
1,1,2-Trichloroethane	ug/kg	2530	1370	54	73-135	L2
1,1,2-Trichlorotrifluoroethane	ug/kg	2530	2130	84	45-156	
1,1-Dichloroethane	ug/kg	2530	2680	106	53-160	
1,1-Dichloroethene	ug/kg	2530	2320	92	47-152	
1,1-Dichloropropene	ug/kg	2530	2540	101	56-130	
1,2,3-Trichlorobenzene	ug/kg	2530	1660	66	48-144	CL

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QUALITY CONTROL DATA

Project: FORMER COYNE TEXTILE FACILITY

Pace Project No.: 7047475

LABORATORY CONTROL SAMPLE: 291196

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2,3-Trichloropropane	ug/kg	2530	1970	78	67-129	
1,2,4,5-tetramethylbenzene	ug/kg	2530	2040	81	60-142	N3
1,2,4-Trichlorobenzene	ug/kg	2530	1980	79	52-140	
1,2,4-Trimethylbenzene	ug/kg	2530	2210	88	59-126	
1,2-Dibromo-3-chloropropane	ug/kg	2530	1850	73	57-140	
1,2-Dibromoethane (EDB)	ug/kg	2530	2220	88	76-138	
1,2-Dichlorobenzene	ug/kg	2530	2200	87	67-125	
1,2-Dichloroethane	ug/kg	2530	2400	95	65-143	
1,2-Dichloropropane	ug/kg	2530	2710	107	72-131	
1,3,5-Trimethylbenzene	ug/kg	2530	2200	87	49-134	
1,3-Dichlorobenzene	ug/kg	2530	2240	89	64-124	
1,3-Dichloropropane	ug/kg	2530	2210	88	73-130	
1,4-Dichlorobenzene	ug/kg	2530	2250	89	61-127	
1,4-Diethylbenzene	ug/kg	2530	2120	84	54-137	N3
2,2-Dichloropropane	ug/kg	2530	2330	92	55-140	
2-Butanone (MEK)	ug/kg	2530	4790	190	52-164	CH,IH,L1
2-Chlorotoluene	ug/kg	2530	2360	94	62-125	
4-Chlorotoluene	ug/kg	2530	2390	95	62-125	
4-Ethyltoluene	ug/kg	2530	2240	89	56-130	N3
4-Methyl-2-pentanone (MIBK)	ug/kg	2530	2710	107	63-154	CH
Acetone	ug/kg	2530	2570	102	23-196	CH
Benzene	ug/kg	2530	2500	99	65-129	
Bromobenzene	ug/kg	2530	2150	85	63-130	
Bromochloromethane	ug/kg	2530	2220	88	78-136	
Bromodichloromethane	ug/kg	2530	2220	88	74-141	
Bromoform	ug/kg	2530	1670	66	59-136	
Bromomethane	ug/kg	2530	355	14	32-182	L2
Carbon tetrachloride	ug/kg	2530	2090	83	57-135	
Chlorobenzene	ug/kg	2530	2050	81	62-136	
Chlorodifluoromethane	ug/kg	2530	2150	85	14-161	N3
Chloroethane	ug/kg	2530	314	12	50-159	CH,L2
Chloroform	ug/kg	2530	2180	86	71-135	
Chloromethane	ug/kg	2530	2750	109	44-139	CH
cis-1,2-Dichloroethene	ug/kg	2530	2400	95	75-130	
cis-1,3-Dichloropropene	ug/kg	2530	2690	107	74-140	CH
Dibromochloromethane	ug/kg	2530	1790	71	71-133	
Dibromomethane	ug/kg	2530	2200	87	75-136	
Dichlorodifluoromethane	ug/kg	2530	1320	52	10-155	CL
Ethylbenzene	ug/kg	2530	2040	81	59-135	
Hexachloro-1,3-butadiene	ug/kg	2530	1960	78	19-152	CL
Isopropylbenzene (Cumene)	ug/kg	2530	2230	88	56-129	
m&p-Xylene	ug/kg	5050	4110	81	69-133	
Methyl-tert-butyl ether	ug/kg	2530	2250	89	25-171	
Methylene Chloride	ug/kg	2530	2430	96	50-164	
n-Butylbenzene	ug/kg	2530	2260	89	54-121	
n-Propylbenzene	ug/kg	2530	2280	90	56-125	
Naphthalene	ug/kg	2530	1620	64	55-145	

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QUALITY CONTROL DATA

Project: FORMER COYNE TEXTILE FACILITY

Pace Project No.: 7047475

LABORATORY CONTROL SAMPLE: 291196

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
o-Xylene	ug/kg	2530	2070	82	71-135	
p-Isopropyltoluene	ug/kg	2530	2070	82	54-126	
sec-Butylbenzene	ug/kg	2530	2180	86	50-126	
Styrene	ug/kg	2530	2070	82	73-133	
tert-Butylbenzene	ug/kg	2530	2110	84	56-127	
Tetrachloroethene	ug/kg	2530	1980	78	10-176	
Toluene	ug/kg	2530	2340	92	66-131	
trans-1,2-Dichloroethene	ug/kg	2530	2420	96	53-157	
trans-1,3-Dichloropropene	ug/kg	2530	2670	106	66-144	
Trichloroethene	ug/kg	2530	2150	85	62-130	
Trichlorofluoromethane	ug/kg	2530	201	8	38-166 L2	
Vinyl chloride	ug/kg	2530	2400	95	45-137	
Xylene (Total)	ug/kg	7580	6180	82	62-135	
1,2-Dichloroethane-d4 (S)	%			119	33-150	
4-Bromofluorobenzene (S)	%			99	34-145	
Toluene-d8 (S)	%			94	43-157	

MATRIX SPIKE SAMPLE: 291197

Parameter	Units	7047475002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	<159	3980	2980	75	74-140	
1,1,1-Trichloroethane	ug/kg	<159	3980	3640	91	59-134	
1,1,2,2-Tetrachloroethane	ug/kg	<159	3980	3500	88	69-132	
1,1,2-Trichloroethane	ug/kg	<159	3980	3820	96	73-135	
1,1,2-Trichlorotrifluoroethane	ug/kg	<159	3980	3710	93	45-156	
1,1-Dichloroethane	ug/kg	<159	3980	4450	112	53-160	
1,1-Dichloroethene	ug/kg	<159	3980	3990	100	47-152	
1,1-Dichloropropene	ug/kg	<159	3980	4360	109	56-130	
1,2,3-Trichlorobenzene	ug/kg	<159	3980	2740	69	48-144 CL	
1,2,3-Trichloropropane	ug/kg	<159	3980	3280	82	67-129	
1,2,4,5-tetramethylbenzene	ug/kg	<159	3980	3190	80	60-142 N3	
1,2,4-Trichlorobenzene	ug/kg	<159	3980	3060	77	52-140	
1,2,4-Trimethylbenzene	ug/kg	<159	3980	3610	91	59-126	
1,2-Dibromo-3-chloropropane	ug/kg	<159	3980	2740	69	57-140	
1,2-Dibromoethane (EDB)	ug/kg	<159	3980	3430	86	76-138	
1,2-Dichlorobenzene	ug/kg	<159	3980	3500	88	67-125	
1,2-Dichloroethane	ug/kg	<159	3980	3730	94	65-143	
1,2-Dichloropropane	ug/kg	<159	3980	4300	108	72-131	
1,3,5-Trimethylbenzene	ug/kg	<159	3980	3560	89	49-134	
1,3-Dichlorobenzene	ug/kg	<159	3980	3560	89	64-124	
1,3-Dichloropropane	ug/kg	<159	3980	3570	90	73-130	
1,4-Dichlorobenzene	ug/kg	<159	3980	3540	89	61-127	
1,4-Diethylbenzene	ug/kg	<159	3980	3310	83	54-137 N3	
2,2-Dichloropropane	ug/kg	<159	3980	3770	95	55-140	
2-Butanone (MEK)	ug/kg	<159	3980	7800	192	52-164 CH,IH,M0	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: FORMER COYNE TEXTILE FACILITY

Pace Project No.: 7047475

MATRIX SPIKE SAMPLE: 291197

Parameter	Units	7047475002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
2-Chlorotoluene	ug/kg	<159	3980	3810	96	62-125	
4-Chlorotoluene	ug/kg	<159	3980	3910	98	62-125	
4-Ethyltoluene	ug/kg	<159	3980	3690	93	56-130	N3
4-Methyl-2-pentanone (MIBK)	ug/kg	<159	3980	4360	110	63-154	CH
Acetone	ug/kg	507	3980	6700	155	23-196	CH
Benzene	ug/kg	<159	3980	4150	104	65-129	
Bromobenzene	ug/kg	<159	3980	3530	89	63-130	
Bromochloromethane	ug/kg	<159	3980	3600	90	78-136	
Bromodichloromethane	ug/kg	<159	3980	3430	86	74-141	
Bromoform	ug/kg	<159	3980	2380	60	59-136	
Bromomethane	ug/kg	<159	3980	664	17	32-182	M0
Carbon tetrachloride	ug/kg	<159	3980	3410	86	57-135	
Chlorobenzene	ug/kg	<159	3980	3300	83	62-136	
Chlorodifluoromethane	ug/kg	<159	3980	3930	99	14-161	N3
Chloroethane	ug/kg	<159	3980	504	13	50-159	CH,M0
Chloroform	ug/kg	<159	3980	3740	94	71-135	
Chloromethane	ug/kg	<159	3980	4790	120	44-139	CH
cis-1,2-Dichloroethene	ug/kg	<159	3980	3920	98	75-130	
cis-1,3-Dichloropropene	ug/kg	<159	3980	4170	105	74-140	CH
Dibromochloromethane	ug/kg	<159	3980	2700	68	71-133	M1
Dibromomethane	ug/kg	<159	3980	3510	88	75-136	
Dichlorodifluoromethane	ug/kg	<159	3980	2250	57	10-155	CL
Ethylbenzene	ug/kg	<159	3980	3370	84	59-135	
Hexachloro-1,3-butadiene	ug/kg	<159	3980	2700	68	19-152	CL
Isopropylbenzene (Cumene)	ug/kg	<159	3980	3820	96	56-129	
m&p-Xylene	ug/kg	<319	7970	6740	85	69-133	
Methyl-tert-butyl ether	ug/kg	<159	3980	3590	90	25-171	
Methylene Chloride	ug/kg	<159	3980	3700	93	50-164	
n-Butylbenzene	ug/kg	<159	3980	3460	87	54-121	
n-Propylbenzene	ug/kg	<159	3980	3760	94	56-125	
Naphthalene	ug/kg	<159	3980	2890	73	55-145	
o-Xylene	ug/kg	<159	3980	3330	84	71-135	
p-Isopropyltoluene	ug/kg	<159	3980	3260	82	54-126	
sec-Butylbenzene	ug/kg	<159	3980	3460	87	50-126	
Styrene	ug/kg	<159	3980	3280	82	73-133	
tert-Butylbenzene	ug/kg	<159	3980	3440	86	56-127	
Tetrachloroethene	ug/kg	<159	3980	5420	136	10-176	
Toluene	ug/kg	<159	3980	3810	96	66-131	
trans-1,2-Dichloroethene	ug/kg	<159	3980	4050	102	53-157	
trans-1,3-Dichloropropene	ug/kg	<159	3980	4000	100	66-144	
Trichloroethene	ug/kg	<159	3980	3660	92	62-130	
Trichlorofluoromethane	ug/kg	<159	3980	3660	92	38-166	
Vinyl chloride	ug/kg	<159	3980	4170	105	45-137	
Xylene (Total)	ug/kg	<319	11900	10100	84	62-135	
1,2-Dichloroethane-d4 (S)	%				117	33-150	
4-Bromofluorobenzene (S)	%				98	34-145	
Toluene-d8 (S)	%				98	43-157	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: FORMER COYNE TEXTILE FACILITY

Pace Project No.: 7047475

SAMPLE DUPLICATE: 291198

Parameter	Units	7047475004 Result	Dup Result	RPD	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	<126	<126		
1,1,1-Trichloroethane	ug/kg	<126	<126		
1,1,2,2-Tetrachloroethane	ug/kg	<126	<126		
1,1,2-Trichloroethane	ug/kg	<126	<126		
1,1,2-Trichlorotrifluoroethane	ug/kg	<126	<126		
1,1-Dichloroethane	ug/kg	<126	<126		
1,1-Dichloroethene	ug/kg	<126	<126		
1,1-Dichloropropene	ug/kg	<126	<126		
1,2,3-Trichlorobenzene	ug/kg	<126	<126		CL
1,2,3-Trichloropropane	ug/kg	<126	<126		
1,2,4,5-tetramethylbenzene	ug/kg	<126	<126		N3
1,2,4-Trichlorobenzene	ug/kg	<126	<126		
1,2,4-Trimethylbenzene	ug/kg	<126	<126		
1,2-Dibromo-3-chloropropane	ug/kg	<126	<126		
1,2-Dibromoethane (EDB)	ug/kg	<126	<126		
1,2-Dichlorobenzene	ug/kg	<126	<126		
1,2-Dichloroethane	ug/kg	<126	<126		
1,2-Dichloropropane	ug/kg	<126	<126		
1,3,5-Trimethylbenzene	ug/kg	<126	<126		
1,3-Dichlorobenzene	ug/kg	<126	<126		
1,3-Dichloropropane	ug/kg	<126	<126		
1,4-Dichlorobenzene	ug/kg	<126	<126		
1,4-Diethylbenzene	ug/kg	<126	<126		N3
2,2-Dichloropropane	ug/kg	<126	<126		
2-Butanone (MEK)	ug/kg	<126	131		CH,IH
2-Chlorotoluene	ug/kg	<126	<126		
4-Chlorotoluene	ug/kg	<126	<126		
4-Ethyltoluene	ug/kg	<126	<126		N3
4-Methyl-2-pentanone (MIBK)	ug/kg	<126	<126		
Acetone	ug/kg	236	250		6 CH
Benzene	ug/kg	<126	<126		
Bromobenzene	ug/kg	<126	<126		
Bromochloromethane	ug/kg	<126	<126		
Bromodichloromethane	ug/kg	<126	<126		
Bromoform	ug/kg	<126	<126		
Bromomethane	ug/kg	<126	<126		
Carbon tetrachloride	ug/kg	<126	<126		
Chlorobenzene	ug/kg	<126	<126		
Chlorodifluoromethane	ug/kg	<126	<126		N3
Chloroethane	ug/kg	<126	<126		
Chloroform	ug/kg	<126	<126		
Chloromethane	ug/kg	<126	<126		
cis-1,2-Dichloroethene	ug/kg	<126	<126		
cis-1,3-Dichloropropene	ug/kg	<126	<126		
Dibromochloromethane	ug/kg	<126	<126		
Dibromomethane	ug/kg	<126	<126		
Dichlorodifluoromethane	ug/kg	<126	<126		CL

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QUALITY CONTROL DATA

Project: FORMER COYNE TEXTILE FACILITY

Pace Project No.: 7047475

SAMPLE DUPLICATE: 291198

Parameter	Units	7047475004 Result	Dup Result	RPD	Qualifiers
Ethylbenzene	ug/kg	<126	<126		
Hexachloro-1,3-butadiene	ug/kg	<126	<126		CL
Isopropylbenzene (Cumene)	ug/kg	141	156	9	
m&p-Xylene	ug/kg	<251	<251		
Methyl-tert-butyl ether	ug/kg	<126	<126		
Methylene Chloride	ug/kg	<126	<126		
n-Butylbenzene	ug/kg	<126	<126		
n-Propylbenzene	ug/kg	<126	<126		
Naphthalene	ug/kg	<126	<126		
o-Xylene	ug/kg	<126	<126		
p-Isopropyltoluene	ug/kg	<126	<126		
sec-Butylbenzene	ug/kg	237	266	12	
Styrene	ug/kg	<126	<126		
tert-Butylbenzene	ug/kg	<126	136		
Tetrachloroethene	ug/kg	147	146	1	
Toluene	ug/kg	<126	<126		
trans-1,2-Dichloroethene	ug/kg	<126	<126		
trans-1,3-Dichloropropene	ug/kg	<126	<126		
Trichloroethene	ug/kg	<126	<126		
Trichlorofluoromethane	ug/kg	<126	<126		
Vinyl chloride	ug/kg	<126	<126		
Xylene (Total)	ug/kg	<251	<251		
1,2-Dichloroethane-d4 (S)	%	112	110	1	
4-Bromofluorobenzene (S)	%	155	167	7	SO
Toluene-d8 (S)	%	93	91	1	

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QUALITY CONTROL DATA

Project: FORMER COYNE TEXTILE FACILITY

Pace Project No.: 7047475

QC Batch: 63169

Analysis Method: EPA 8082A

QC Batch Method: EPA 3546

Analysis Description: 8082 GCS PCB

Associated Lab Samples: 7047475001, 7047475002, 7047475003, 7047475004, 7047475005, 7047475006

METHOD BLANK: 290002

Matrix: Solid

Associated Lab Samples: 7047475001, 7047475002, 7047475003, 7047475004, 7047475005, 7047475006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
PCB-1016 (Aroclor 1016)	ug/kg	<33.0	33.0	04/14/18 02:29	
PCB-1221 (Aroclor 1221)	ug/kg	<67.0	67.0	04/14/18 02:29	
PCB-1232 (Aroclor 1232)	ug/kg	<33.0	33.0	04/14/18 02:29	
PCB-1242 (Aroclor 1242)	ug/kg	<33.0	33.0	04/14/18 02:29	
PCB-1248 (Aroclor 1248)	ug/kg	<33.0	33.0	04/14/18 02:29	
PCB-1254 (Aroclor 1254)	ug/kg	<33.0	33.0	04/14/18 02:29	
PCB-1260 (Aroclor 1260)	ug/kg	<33.0	33.0	04/14/18 02:29	
Decachlorobiphenyl (S)	%	91	30-150	04/14/18 02:29	
Tetrachloro-m-xylene (S)	%	71	30-150	04/14/18 02:29	

LABORATORY CONTROL SAMPLE: 290003

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
PCB-1016 (Aroclor 1016)	ug/kg	167	149	90	50-136	
PCB-1260 (Aroclor 1260)	ug/kg	167	191	115	45-154	
Decachlorobiphenyl (S)	%			89	30-150	
Tetrachloro-m-xylene (S)	%			62	30-150	

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QUALITY CONTROL DATA

Project: FORMER COYNE TEXTILE FACILITY

Pace Project No.: 7047475

QC Batch: 62654 Analysis Method: EPA 8270D
 QC Batch Method: EPA 3545A Analysis Description: 8270 Solid MSSV
 Associated Lab Samples: 7047475001, 7047475002, 7047475003, 7047475004, 7047475005, 7047475006

METHOD BLANK: 287780 Matrix: Solid
 Associated Lab Samples: 7047475001, 7047475002, 7047475003, 7047475004, 7047475005, 7047475006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,2,4-Trichlorobenzene	ug/kg	<67.0	67.0	04/12/18 16:05	
2,2'-Oxybis(1-chloropropane)	ug/kg	<67.0	67.0	04/12/18 16:05	
2,4,5-Trichlorophenol	ug/kg	<67.0	67.0	04/12/18 16:05	
2,4,6-Trichlorophenol	ug/kg	<67.0	67.0	04/12/18 16:05	
2,4-Dichlorophenol	ug/kg	<67.0	67.0	04/12/18 16:05	
2,4-Dimethylphenol	ug/kg	<67.0	67.0	04/12/18 16:05	
2,4-Dinitrophenol	ug/kg	<67.0	670	04/12/18 16:05	
2,4-Dinitrotoluene	ug/kg	<330	330	04/12/18 16:05	
2,6-Dinitrotoluene	ug/kg	<330	330	04/12/18 16:05	
2-Chloronaphthalene	ug/kg	<67.0	67.0	04/12/18 16:05	
2-Chlorophenol	ug/kg	<67.0	67.0	04/12/18 16:05	
2-Methylnaphthalene	ug/kg	<67.0	67.0	04/12/18 16:05	
2-Methylphenol(o-Cresol)	ug/kg	<67.0	67.0	04/12/18 16:05	
2-Nitroaniline	ug/kg	<330	330	04/12/18 16:05	
2-Nitrophenol	ug/kg	<330	330	04/12/18 16:05	
3&4-Methylphenol(m&p Cresol)	ug/kg	<67.0	67.0	04/12/18 16:05	
3,3'-Dichlorobenzidine	ug/kg	<330	330	04/12/18 16:05	
3-Nitroaniline	ug/kg	<330	330	04/12/18 16:05	
4,6-Dinitro-2-methylphenol	ug/kg	<67.0	670	04/12/18 16:05	
4-Bromophenylphenyl ether	ug/kg	<67.0	67.0	04/12/18 16:05	
4-Chloro-3-methylphenol	ug/kg	<67.0	67.0	04/12/18 16:05	
4-Chloroaniline	ug/kg	<330	330	04/12/18 16:05	
4-Chlorophenylphenyl ether	ug/kg	<67.0	67.0	04/12/18 16:05	
4-Nitroaniline	ug/kg	<330	330	04/12/18 16:05	
4-Nitrophenol	ug/kg	<67.0	670	04/12/18 16:05	
Acenaphthene	ug/kg	<67.0	67.0	04/12/18 16:05	
Acenaphthylene	ug/kg	<67.0	67.0	04/12/18 16:05	
Acetophenone	ug/kg	<67.0	67.0	04/12/18 16:05	
Anthracene	ug/kg	<67.0	67.0	04/12/18 16:05	
Atrazine	ug/kg	<67.0	67.0	04/12/18 16:05	
Benzaldehyde	ug/kg	<67.0	67.0	04/12/18 16:05	CL
Benzo(a)anthracene	ug/kg	<67.0	67.0	04/12/18 16:05	
Benzo(a)pyrene	ug/kg	<67.0	67.0	04/12/18 16:05	
Benzo(b)fluoranthene	ug/kg	<67.0	67.0	04/12/18 16:05	
Benzo(g,h,i)perylene	ug/kg	<67.0	67.0	04/12/18 16:05	
Benzo(k)fluoranthene	ug/kg	<67.0	67.0	04/12/18 16:05	
Biphenyl (Diphenyl)	ug/kg	<67.0	67.0	04/12/18 16:05	
bis(2-Chloroethoxy)methane	ug/kg	<67.0	67.0	04/12/18 16:05	
bis(2-Chloroethyl) ether	ug/kg	<67.0	67.0	04/12/18 16:05	
bis(2-Ethylhexyl)phthalate	ug/kg	<67.0	67.0	04/12/18 16:05	
Butylbenzylphthalate	ug/kg	<67.0	67.0	04/12/18 16:05	

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QUALITY CONTROL DATA

Project: FORMER COYNE TEXTILE FACILITY

Pace Project No.: 7047475

METHOD BLANK: 287780

Matrix: Solid

Associated Lab Samples: 7047475001, 7047475002, 7047475003, 7047475004, 7047475005, 7047475006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Caprolactam	ug/kg	<67.0	67.0	04/12/18 16:05	
Carbazole	ug/kg	<67.0	67.0	04/12/18 16:05	
Chrysene	ug/kg	<67.0	67.0	04/12/18 16:05	
Di-n-butylphthalate	ug/kg	<67.0	67.0	04/12/18 16:05	
Di-n-octylphthalate	ug/kg	<67.0	67.0	04/12/18 16:05	
Dibenz(a,h)anthracene	ug/kg	<67.0	67.0	04/12/18 16:05	
Dibenzofuran	ug/kg	<67.0	67.0	04/12/18 16:05	
Diethylphthalate	ug/kg	<67.0	67.0	04/12/18 16:05	
Dimethylphthalate	ug/kg	<67.0	67.0	04/12/18 16:05	
Fluoranthene	ug/kg	<67.0	67.0	04/12/18 16:05	
Fluorene	ug/kg	<67.0	67.0	04/12/18 16:05	
Hexachloro-1,3-butadiene	ug/kg	<67.0	67.0	04/12/18 16:05	
Hexachlorobenzene	ug/kg	<67.0	67.0	04/12/18 16:05	
Hexachlorocyclopentadiene	ug/kg	<330	330	04/12/18 16:05	CL
Hexachloroethane	ug/kg	<67.0	67.0	04/12/18 16:05	
Indeno(1,2,3-cd)pyrene	ug/kg	<67.0	67.0	04/12/18 16:05	
Isophorone	ug/kg	<67.0	67.0	04/12/18 16:05	
N-Nitroso-di-n-propylamine	ug/kg	<67.0	67.0	04/12/18 16:05	
N-Nitrosodiphenylamine	ug/kg	<67.0	67.0	04/12/18 16:05	
Naphthalene	ug/kg	<67.0	67.0	04/12/18 16:05	
Nitrobenzene	ug/kg	<67.0	67.0	04/12/18 16:05	
Pentachlorophenol	ug/kg	<670	670	04/12/18 16:05	
Phenanthrene	ug/kg	<67.0	67.0	04/12/18 16:05	
Phenol	ug/kg	<67.0	67.0	04/12/18 16:05	
Pyrene	ug/kg	<67.0	67.0	04/12/18 16:05	
1,2-Dichlorobenzene-d4 (S)	%	66	20-130	04/12/18 16:05	
2,4,6-Tribromophenol (S)	%	81	19-122	04/12/18 16:05	
2-Chlorophenol-d4 (S)	%	74	20-130	04/12/18 16:05	
2-Fluorobiphenyl (S)	%	86	30-115	04/12/18 16:05	
2-Fluorophenol (S)	%	62	25-121	04/12/18 16:05	
Nitrobenzene-d5 (S)	%	72	23-120	04/12/18 16:05	
p-Terphenyl-d14 (S)	%	81	18-137	04/12/18 16:05	
Phenol-d5 (S)	%	71	24-113	04/12/18 16:05	

LABORATORY CONTROL SAMPLE: 287781

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2,4-Trichlorobenzene	ug/kg	1670	961	58	35-110	
2,2'-Oxybis(1-chloropropane)	ug/kg	1670	699	42	33-116	
2,4,5-Trichlorophenol	ug/kg	1670	1070	64	45-111	
2,4,6-Trichlorophenol	ug/kg	1670	955	57	45-110	
2,4-Dichlorophenol	ug/kg	1670	1040	62	41-117	
2,4-Dimethylphenol	ug/kg	1670	633	38	24-96	
2,4-Dinitrophenol	ug/kg	1670	<670	27	10-80	

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QUALITY CONTROL DATA

Project: FORMER COYNE TEXTILE FACILITY

Pace Project No.: 7047475

LABORATORY CONTROL SAMPLE: 287781

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
2,4-Dinitrotoluene	ug/kg	1670	1020	61	49-112	
2,6-Dinitrotoluene	ug/kg	1670	967	58	50-109	
2-Chloronaphthalene	ug/kg	1670	928	56	35-107	
2-Chlorophenol	ug/kg	1670	864	52	36-109	
2-Methylnaphthalene	ug/kg	1670	963	58	31-135	
2-Methylphenol(o-Cresol)	ug/kg	1670	935	56	36-104	
2-Nitroaniline	ug/kg	1670	819	49	42-118	
2-Nitrophenol	ug/kg	1670	923	55	36-117	
3&4-Methylphenol(m&p Cresol)	ug/kg	1670	926	56	37-137	
3,3'-Dichlorobenzidine	ug/kg	1670	834	50	41-116	
3-Nitroaniline	ug/kg	1670	670	40	40-95	
4,6-Dinitro-2-methylphenol	ug/kg	1670	<670	38	16-104	
4-Bromophenylphenyl ether	ug/kg	1670	968	58	50-116	
4-Chloro-3-methylphenol	ug/kg	1670	1090	65	45-118	
4-Chloroaniline	ug/kg	1670	596	36	29-88	
4-Chlorophenylphenyl ether	ug/kg	1670	1010	61	48-111	
4-Nitroaniline	ug/kg	1670	671	40	46-110	L2
4-Nitrophenol	ug/kg	1670	847	51	26-118	
Acenaphthene	ug/kg	1670	957	57	45-109	
Acenaphthylene	ug/kg	1670	964	58	43-107	
Acetophenone	ug/kg	1670	915	55	10-132	
Anthracene	ug/kg	1670	1030	62	50-117	
Atrazine	ug/kg	1670	1230	74	40-120	
Benzaldehyde	ug/kg	1670	120	7	40-140	CL,L2
Benzo(a)anthracene	ug/kg	1670	1010	61	52-116	
Benzo(a)pyrene	ug/kg	1670	988	59	56-119	
Benzo(b)fluoranthene	ug/kg	1670	1000	60	45-122	
Benzo(g,h,i)perylene	ug/kg	1670	986	59	30-107	
Benzo(k)fluoranthene	ug/kg	1670	952	57	54-124	
Biphenyl (Diphenyl)	ug/kg	1670	953	57	40-120	
bis(2-Chloroethoxy)methane	ug/kg	1670	842	50	29-112	
bis(2-Chloroethyl) ether	ug/kg	1670	719	43	32-116	
bis(2-Ethylhexyl)phthalate	ug/kg	1670	1030	62	60-127	
Butylbenzylphthalate	ug/kg	1670	959	58	54-130	
Caprolactam	ug/kg	1670	993	60	40-120	
Carbazole	ug/kg	1670	1010	61	40-120	
Chrysene	ug/kg	1670	956	57	48-121	
Di-n-butylphthalate	ug/kg	1670	985	59	53-124	
Di-n-octylphthalate	ug/kg	1670	1050	63	46-141	
Dibenz(a,h)anthracene	ug/kg	1670	891	53	52-109	
Dibenzofuran	ug/kg	1670	976	59	48-112	
Diethylphthalate	ug/kg	1670	1030	62	51-114	
Dimethylphthalate	ug/kg	1670	959	58	49-112	
Fluoranthene	ug/kg	1670	1050	63	45-126	
Fluorene	ug/kg	1670	987	59	47-108	
Hexachloro-1,3-butadiene	ug/kg	1670	979	59	36-118	
Hexachlorobenzene	ug/kg	1670	1060	64	51-110	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: FORMER COYNE TEXTILE FACILITY

Pace Project No.: 7047475

LABORATORY CONTROL SAMPLE: 287781

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Hexachlorocyclopentadiene	ug/kg	1670	766	46	10-97	CL
Hexachloroethane	ug/kg	1670	879	53	34-105	
Indeno(1,2,3-cd)pyrene	ug/kg	1670	850	51	50-108	
Isophorone	ug/kg	1670	909	55	14-129	
N-Nitroso-di-n-propylamine	ug/kg	1670	833	50	33-109	
N-Nitrosodiphenylamine	ug/kg	1670	967	58	39-90	
Naphthalene	ug/kg	1670	960	58	18-142	
Nitrobenzene	ug/kg	1670	841	50	36-119	
Pentachlorophenol	ug/kg	1670	918	55	22-115	
Phenanthrene	ug/kg	1670	1030	62	47-124	
Phenol	ug/kg	1670	914	55	38-104	
Pyrene	ug/kg	1670	977	59	49-132	
1,2-Dichlorobenzene-d4 (S)	%			52	20-130	
2,4,6-Tribromophenol (S)	%			64	19-122	
2-Chlorophenol-d4 (S)	%			54	20-130	
2-Fluorobiphenyl (S)	%			57	30-115	
2-Fluorophenol (S)	%			50	25-121	
Nitrobenzene-d5 (S)	%			50	23-120	
p-Terphenyl-d14 (S)	%			59	18-137	
Phenol-d5 (S)	%			52	24-113	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 287782 287783

Parameter	7047482005		MS	MSD	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Qual
	Units	Result	Spike Conc.	Spike Conc.							
1,2,4-Trichlorobenzene	ug/kg	<85.6	2130	2140	1650	1520	77	71	35-110	8	
2,2'-Oxybis(1-chloropropane)	ug/kg	<85.6	2130	2140	1080	1090	51	51	33-116	1	
2,4,5-Trichlorophenol	ug/kg	<85.6	2130	2140	1440	1480	68	69	45-111	3	
2,4,6-Trichlorophenol	ug/kg	<85.6	2130	2140	1070	1170	50	55	45-110	9	
2,4-Dichlorophenol	ug/kg	<85.6	2130	2140	1360	1390	64	65	41-117	2	
2,4-Dimethylphenol	ug/kg	<85.6	2130	2140	1420	1530	67	72	24-96	8	
2,4-Dinitrophenol	ug/kg	<856	2130	2140	<856	<860	37	39	10-80		
2,4-Dinitrotoluene	ug/kg	<421	2130	2140	1540	1550	72	72	49-112	1	
2,6-Dinitrotoluene	ug/kg	<421	2130	2140	1490	1460	70	68	50-109	3	
2-Chloronaphthalene	ug/kg	<85.6	2130	2140	1500	1510	71	71	35-107	0	
2-Chlorophenol	ug/kg	<85.6	2130	2140	1120	1250	53	58	36-109	10	
2-Methylnaphthalene	ug/kg	<85.6	2130	2140	1770	1620	83	76	31-135	9	
2-Methylphenol(o-Cresol)	ug/kg	<85.6	2130	2140	1060	1190	50	56	36-104	12	
2-Nitroaniline	ug/kg	<421	2130	2140	1480	1620	69	76	42-118	9	
2-Nitrophenol	ug/kg	<421	2130	2140	1080	1050	51	49	36-117	3	
3&4-Methylphenol(m&p Cresol)	ug/kg	<85.6	2130	2140	1250	1400	59	66	37-137	12	
3,3'-Dichlorobenzidine	ug/kg	<421	2130	2140	673	1080	32	50	41-116	46	M1,R1
3-Nitroaniline	ug/kg	<421	2130	2140	988	1100	46	51	40-95	11	
4,6-Dinitro-2-methylphenol	ug/kg	<856	2130	2140	<856	935	39	44	16-104		

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: FORMER COYNE TEXTILE FACILITY

Pace Project No.: 7047475

Parameter	MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 287782		287783								
	Units	7047482005 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Qual
4-Bromophenylphenyl ether	ug/kg	<85.6	2130	2140	1730	1730	81	81	50-116	0	
4-Chloro-3-methylphenol	ug/kg	<85.6	2130	2140	1510	1400	71	66	45-118	7	
4-Chloroaniline	ug/kg	<421	2130	2140	700	685	33	32	29-88	2	
4-Chlorophenylphenyl ether	ug/kg	<85.6	2130	2140	1730	1730	81	81	48-111	0	
4-Nitroaniline	ug/kg	<421	2130	2140	1060	1300	50	61	46-110	21	
4-Nitrophenol	ug/kg	<856	2130	2140	<856	<860	12	12	26-118		M1
Acenaphthene	ug/kg	<85.6	2130	2140	1690	1660	79	78	45-109	2	
Acenaphthylene	ug/kg	<85.6	2130	2140	1580	1520	74	71	43-107	4	
Acetophenone	ug/kg	<85.6	2130	2140	1310	1310	61	61	10-132	0	
Anthracene	ug/kg	<85.6	2130	2140	1780	1820	84	85	50-117	2	
Atrazine	ug/kg	<85.6	2130	2140	1730	1850	81	87	40-120	7	
Benzaldehyde	ug/kg	<85.6	2130	2140	882	1070	41	50	40-140	20	CL
Benzo(a)anthracene	ug/kg	<85.6	2130	2140	1910	1950	90	91	52-116	2	
Benzo(a)pyrene	ug/kg	<85.6	2130	2140	1890	1910	89	89	56-119	1	
Benzo(b)fluoranthene	ug/kg	<85.6	2130	2140	1830	1870	86	88	45-122	2	
Benzo(g,h,i)perylene	ug/kg	<85.6	2130	2140	1700	1740	80	81	30-107	2	
Benzo(k)fluoranthene	ug/kg	<85.6	2130	2140	1940	2080	91	97	54-124	7	
Biphenyl (Diphenyl)	ug/kg	<85.6	2130	2140	1680	1640	79	76	40-120	3	
bis(2-Chloroethoxy)methane	ug/kg	<85.6	2130	2140	1280	1300	60	61	29-112	2	
bis(2-Chloroethyl) ether	ug/kg	<85.6	2130	2140	983	1050	46	49	32-116	6	
bis(2-Ethylhexyl)phthalate	ug/kg	<85.6	2130	2140	1990	2010	93	94	60-127	1	
Butylbenzylphthalate	ug/kg	<85.6	2130	2140	1820	1880	86	88	54-130	3	
Caprolactam	ug/kg	<85.6	2130	2140	1350	1410	63	66	40-120	4	
Carbazole	ug/kg	<85.6	2130	2140	1590	1580	75	74	40-120	1	
Chrysene	ug/kg	<85.6	2130	2140	1860	1900	87	89	48-121	2	
Di-n-butylphthalate	ug/kg	<85.6	2130	2140	2000	1960	94	91	53-124	2	
Di-n-octylphthalate	ug/kg	<85.6	2130	2140	2030	2190	95	102	46-141	8	
Dibenz(a,h)anthracene	ug/kg	<85.6	2130	2140	1680	1700	79	79	52-109	1	
Dibenzofuran	ug/kg	<85.6	2130	2140	1680	1670	79	78	48-112	0	
Diethylphthalate	ug/kg	<85.6	2130	2140	1730	1650	81	77	51-114	5	
Dimethylphthalate	ug/kg	<85.6	2130	2140	1540	1480	72	69	49-112	4	
Fluoranthene	ug/kg	<85.6	2130	2140	1990	1950	93	91	45-126	2	
Fluorene	ug/kg	<85.6	2130	2140	1730	1710	81	80	47-108	1	
Hexachloro-1,3-butadiene	ug/kg	<85.6	2130	2140	1730	1560	81	73	36-118	10	
Hexachlorobenzene	ug/kg	<85.6	2130	2140	1880	1850	88	86	51-110	2	
Hexachlorocyclopentadiene	ug/kg	<421	2130	2140	<422	<423	6	0	10-97		CL,M1
Hexachloroethane	ug/kg	<85.6	2130	2140	1300	1200	61	56	34-105	7	
Indeno(1,2,3-cd)pyrene	ug/kg	<85.6	2130	2140	1600	1950	75	91	50-108	20	
Isophorone	ug/kg	<85.6	2130	2140	1320	1310	62	61	14-129	1	
N-Nitroso-di-n-propylamine	ug/kg	<85.6	2130	2140	1220	1240	57	58	33-109	2	
N-Nitrosodiphenylamine	ug/kg	<85.6	2130	2140	1630	1650	77	77	39-90	1	
Naphthalene	ug/kg	<85.6	2130	2140	1590	1520	74	71	18-142	4	
Nitrobenzene	ug/kg	<85.6	2130	2140	1280	1300	60	61	36-119	2	
Pentachlorophenol	ug/kg	<856	2130	2140	<856	<860	14	14	22-115		M1
Phenanthrene	ug/kg	<85.6	2130	2140	1790	1850	84	86	47-124	3	
Phenol	ug/kg	<85.6	2130	2140	1090	1280	51	60	38-104	16	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: FORMER COYNE TEXTILE FACILITY

Pace Project No.: 7047475

Parameter	Units	287782		287783		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Qual
		7047482005 Result	MS Spike Conc.	MSD Spike Conc.	MS Result							
Pyrene	ug/kg	<85.6	2130	2140	1840	1910	86	90	49-132	4		
1,2-Dichlorobenzene-d4 (S)	%						51	50	20-130			
2,4,6-Tribromophenol (S)	%						43	50	19-122			
2-Chlorophenol-d4 (S)	%						52	55	20-130			
2-Fluorobiphenyl (S)	%						74	70	30-115			
2-Fluorophenol (S)	%						51	54	25-121			
Nitrobenzene-d5 (S)	%						58	56	23-120			
p-Terphenyl-d14 (S)	%						85	85	18-137			
Phenol-d5 (S)	%						48	52	24-113			

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QUALITY CONTROL DATA

Project: FORMER COYNE TEXTILE FACILITY

Pace Project No.: 7047475

QC Batch: 62460

Analysis Method: ASTM D2216-92M

QC Batch Method: ASTM D2216-92M

Analysis Description: Dry Weight/Percent Moisture

Associated Lab Samples: 7047475001, 7047475002, 7047475003, 7047475004, 7047475005, 7047475006

SAMPLE DUPLICATE: 286838

Parameter	Units	7047482005 Result	Dup Result	RPD	Qualifiers
Percent Moisture	%	22.1	23.3	5	

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QUALIFIERS

Project: FORMER COYNE TEXTILE FACILITY

Pace Project No.: 7047475

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

SAMPLE QUALIFIERS

Sample: 7047475004

[1] Result confirmed by second analysis.

ANALYTE QUALIFIERS

C0 Result confirmed by second analysis.

CH The continuing calibration for this compound is outside of Pace Analytical acceptance limits. The results may be biased high.

CL The continuing calibration for this compound is outside of Pace Analytical acceptance limits. The results may be biased low.

D6 The precision between the sample and sample duplicate exceeded laboratory control limits.

IH This analyte exceeded secondary source verification criteria high for the initial calibration. The reported results should be considered an estimated value.

L1 Analyte recovery in the laboratory control sample (LCS) was above QC limits. Results for this analyte in associated samples may be biased high.

L2 Analyte recovery in the laboratory control sample (LCS) was below QC limits. Results for this analyte in associated samples may be biased low.

M0 Matrix spike recovery and/or matrix spike duplicate recovery was outside laboratory control limits.

M1 Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

N3 Accreditation is not offered by the relevant laboratory accrediting body for this parameter.

R1 RPD value was outside control limits.

S0 Surrogate recovery outside laboratory control limits.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: FORMER COYNE TEXTILE FACILITY
Pace Project No.: 7047475

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
7047475001	SOIL-116	EPA 3546	63169	EPA 8082A	63179
7047475002	SOIL-117	EPA 3546	63169	EPA 8082A	63179
7047475003	SOIL-118	EPA 3546	63169	EPA 8082A	63179
7047475004	SOIL-119	EPA 3546	63169	EPA 8082A	63179
7047475005	SOIL-120	EPA 3546	63169	EPA 8082A	63179
7047475006	SOIL-121	EPA 3546	63169	EPA 8082A	63179
7047475001	SOIL-116	EPA 3050B	62553	EPA 6010C	62611
7047475002	SOIL-117	EPA 3050B	62553	EPA 6010C	62611
7047475003	SOIL-118	EPA 3050B	62553	EPA 6010C	62611
7047475004	SOIL-119	EPA 3050B	62553	EPA 6010C	62611
7047475005	SOIL-120	EPA 3050B	62553	EPA 6010C	62611
7047475006	SOIL-121	EPA 3050B	62553	EPA 6010C	62611
7047475001	SOIL-116	EPA 7471B	62581	EPA 7471B	62613
7047475002	SOIL-117	EPA 7471B	62581	EPA 7471B	62613
7047475003	SOIL-118	EPA 7471B	62581	EPA 7471B	62613
7047475004	SOIL-119	EPA 7471B	62581	EPA 7471B	62613
7047475005	SOIL-120	EPA 7471B	62581	EPA 7471B	62613
7047475006	SOIL-121	EPA 7471B	62581	EPA 7471B	62613
7047475001	SOIL-116	EPA 3545A	62654	EPA 8270D	63081
7047475002	SOIL-117	EPA 3545A	62654	EPA 8270D	63081
7047475003	SOIL-118	EPA 3545A	62654	EPA 8270D	63081
7047475004	SOIL-119	EPA 3545A	62654	EPA 8270D	63081
7047475005	SOIL-120	EPA 3545A	62654	EPA 8270D	63081
7047475006	SOIL-121	EPA 3545A	62654	EPA 8270D	63081
7047475003	SOIL-118	EPA 5035A-L	63165	EPA 8260C	63190
7047475005	SOIL-120	EPA 5035A-L	63165	EPA 8260C	63190
7047475001	SOIL-116	EPA 5035A-H/5030C	63412	EPA 8260C	63435
7047475002	SOIL-117	EPA 5035A-H/5030C	63412	EPA 8260C	63435
7047475004	SOIL-119	EPA 5035A-H/5030C	63412	EPA 8260C	63435
7047475006	SOIL-121	EPA 5035A-H/5030C	63412	EPA 8260C	63435
7047475001	SOIL-116	ASTM D2216-92M	62460		
7047475002	SOIL-117	ASTM D2216-92M	62460		
7047475003	SOIL-118	ASTM D2216-92M	62460		
7047475004	SOIL-119	ASTM D2216-92M	62460		
7047475005	SOIL-120	ASTM D2216-92M	62460		
7047475006	SOIL-121	ASTM D2216-92M	62460		

REPORT OF LABORATORY ANALYSIS

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Sample Condition Upon Receipt

Client Name: CHA

Project: 9.40M

WO#: 7047475

PM: JSA Due Date: 04/13/18

CLIENT: CHA

Courier: Fed Ex UPS USPS Client Commercial Pace Other

Tracking #: 4099 9471 1562

Custody Seal on Cooler/Box Present: Yes No Seals intact: Yes No

Temperature Blank Present: Yes No

Packing Material: Bubble Wrap Bubble Bags Ziploc None Other

Type of Ice: Wet Blue None

Thermometer Used: TH091 5.6 Correction Factor: 0.0

Samples on ice, cooling process has begun

Cooler Temperature (°C): 5.6 Cooler Temperature Corrected (°C): 5.6

Date/Time 5035A kits placed in freezer _____

Temp should be above freezing to 6.0°C

USDA Regulated Soil (N/A, water sample)

Date and Initials of person examining contents: _____

Did samples originate in a quarantine zone within the United States: AL, AR, CA, FL, GA, ID, LA, MS, NC, NM, NY, OK, OR, SC, TN, TX, or VA (check map)? YES NO

Did samples originate from a foreign source (internationally, including Hawaii and Puerto Rico)? Yes No

If Yes to either question, fill out a Regulated Soil Checklist (F-LI-C-010) and include with SCUR/COC paperwork.

			COMMENTS:
Chain of Custody Present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		1.
Chain of Custody Filled Out:	<input type="checkbox"/> Yes <input type="checkbox"/> No		2.
Chain of Custody Relinquished:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		3.
Sampler Name & Signature on COC:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A		4.
Samples Arrived within Hold Time:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		5.
Short Hold Time Analysis (<72hr):	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		6.
Rush Turn Around Time Requested:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		7.
Sufficient Volume: (Triple volume provided for MS/MSD)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		8.
Correct Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		9.
-Pace Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		
Containers Intact:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		10.
Filtered volume received for Dissolved tests	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A		11. Note if sediment is visible in the dissolved container.
Sample Labels match COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		12.
-Includes date/time/ID/Analysis Matrix SL WT OIL			
All containers needing preservation have been checked	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A		13. <input type="checkbox"/> HNO ₃ <input type="checkbox"/> H ₂ SO ₄ <input type="checkbox"/> NaOH <input type="checkbox"/> HCl
pH paper Lot #			Sample #
All containers needing preservation are found to be in compliance with EPA recommendation? (HNO ₃ , H ₂ SO ₄ , HCl, NaOH >9 Sulfide, NaOH >12 Cyanide)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A		Initial when completed: _____ Lot # of added preservative: _____ Date/Time preservative added: _____
Exceptions: VOA, Coliform, TOC/DOC, Oil and Grease, DRO/8015 (water). Per Method, VOA pH is checked after analysis			
Samples checked for dechlorination:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A		14. Positive for Res. Chlorine? Y N
KI starch test strips Lot #			
Residual chlorine strips Lot #			
Headspace in VOA Vials (>6mm):	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A		15.
Trip Blank Present:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A		16.
Trip Blank Custody Seals Present	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A		
Pace Trip Blank Lot # (if applicable):			

Field Data Required? Y / N

Client Notification/ Resolution: _____

Person Contacted: _____

Date/Time: _____

Comments/ Resolution: _____

April 19, 2018

Samantha Miller
CHA Companies
300 South Stae Street
Syracuse, NY 13202

RE: Project: COYNE TEXTILE FACILITY 4/5
Pace Project No.: 7047482

Dear Samantha Miller:

Enclosed are the analytical results for sample(s) received by the laboratory on April 06, 2018. The results relate only to the samples included in this report. Results reported herein conform to the most current, applicable TNI/NELAC standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,



James Murphy
james.murphy@pacelabs.com
(518)346-4592
Project Manager

Enclosures

cc: Karyn Ehmann, CHA Companies



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: COYNE TEXTILE FACILITY 4/5

Pace Project No.: 7047482

Long Island Certification IDs

575 Broad Hollow Rd, Melville, NY 11747

New York Certification #: 10478 Primary Accrediting Body

New Jersey Certification #: NY158

Pennsylvania Certification #: 68-00350

Connecticut Certification #: PH-0435

Maryland Certification #: 208

Rhode Island Certification #: LAO00340

Massachusetts Certification #: M-NY026

New Hampshire Certification #: 2987

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: COYNE TEXTILE FACILITY 4/5

Pace Project No.: 7047482

Date: April 19, 2018

SOIL-112 (Lab ID: 7047482008)

- Method (8082A): Surrogate recovery below acceptance limits. Re-extraction confirms low recovery.

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: COYNE TEXTILE FACILITY 4/5

Pace Project No.: 7047482

Method: EPA 8081B

Description: 8081 GCS Pesticides

Client: CHA Companies

Date: April 19, 2018

General Information:

1 sample was analyzed for EPA 8081B. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:

The samples were prepared in accordance with EPA 3546 with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):

All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:

All criteria were within method requirements with any exceptions noted below.

Surrogates:

All surrogates were within QC limits with any exceptions noted below.

QC Batch: 62432

S0: Surrogate recovery outside laboratory control limits.

- MS (Lab ID: 286665)
 - Decachlorobiphenyl (S)
- MSD (Lab ID: 286666)
 - Decachlorobiphenyl (S)
- SOIL-112 (Lab ID: 7047482008)
 - Decachlorobiphenyl (S)
 - Tetrachloro-m-xylene (S)

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

QC Batch: 62432

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 7046901002

M1: Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

- MS (Lab ID: 286665)
 - 4,4'-DDD
 - Endosulfan I

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: COYNE TEXTILE FACILITY 4/5

Pace Project No.: 7047482

Method: EPA 8081B

Description: 8081 GCS Pesticides

Client: CHA Companies

Date: April 19, 2018

QC Batch: 62432

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 7046901002

M1: Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

- Endosulfan sulfate
- Endrin
- Endrin aldehyde
- Methoxychlor
- alpha-BHC
- beta-BHC
- gamma-BHC (Lindane)
- MSD (Lab ID: 286666)
 - 4,4'-DDD
 - Dieldrin
 - Endosulfan I
 - Endosulfan sulfate
 - Endrin
 - Endrin aldehyde
 - Heptachlor epoxide
 - Methoxychlor
 - alpha-BHC
 - beta-BHC
 - delta-BHC
 - gamma-BHC (Lindane)

R1: RPD value was outside control limits.

- MSD (Lab ID: 286666)
 - Endosulfan I
 - Endrin
 - Endrin aldehyde
 - Heptachlor
 - Methoxychlor
 - beta-BHC

Additional Comments:

Analyte Comments:

QC Batch: 62432

3j: Surrogate recovery high due to unresolved interferences.

- MS (Lab ID: 286665)
 - Decachlorobiphenyl (S)
- MSD (Lab ID: 286666)
 - Decachlorobiphenyl (S)

E: Analyte concentration exceeded the calibration range. The reported result is estimated.

- MS (Lab ID: 286665)
 - 4,4'-DDE
 - 4,4'-DDT

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PROJECT NARRATIVE

Project: COYNE TEXTILE FACILITY 4/5

Pace Project No.: 7047482

Method: EPA 8081B

Description: 8081 GCS Pesticides

Client: CHA Companies

Date: April 19, 2018

Analyte Comments:

QC Batch: 62432

E: Analyte concentration exceeded the calibration range. The reported result is estimated.

- MS (Lab ID: 286665)
 - Decachlorobiphenyl (S)
 - gamma-Chlordane
 - Endosulfan II
 - Endrin aldehyde
 - Endrin
 - Endosulfan sulfate
 - Heptachlor epoxide
 - Methoxychlor
- MSD (Lab ID: 286666)
 - 4,4'-DDE
 - 4,4'-DDT
 - Decachlorobiphenyl (S)
 - beta-BHC
 - delta-BHC
 - gamma-BHC (Lindane)
 - gamma-Chlordane
 - Endosulfan II
 - Endrin aldehyde
 - Endrin
 - Endosulfan sulfate
 - Heptachlor epoxide

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: COYNE TEXTILE FACILITY 4/5

Pace Project No.: 7047482

Method: EPA 8082A

Description: 8082 GCS PCB

Client: CHA Companies

Date: April 19, 2018

General Information:

11 samples were analyzed for EPA 8082A. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:

The samples were prepared in accordance with EPA 3546 with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):

All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:

All criteria were within method requirements with any exceptions noted below.

Surrogates:

All surrogates were within QC limits with any exceptions noted below.

QC Batch: 63169

S0: Surrogate recovery outside laboratory control limits.

- MS (Lab ID: 290004)
 - Decachlorobiphenyl (S)
 - Tetrachloro-m-xylene (S)

QC Batch: 63683

S0: Surrogate recovery outside laboratory control limits.

- SOIL-112 (Lab ID: 7047482008)
 - Decachlorobiphenyl (S)

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Additional Comments:

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PROJECT NARRATIVE

Project: COYNE TEXTILE FACILITY 4/5

Pace Project No.: 7047482

Method: EPA 8082A

Description: 8082 GCS PCB

Client: CHA Companies

Date: April 19, 2018

Analyte Comments:

QC Batch: 63683

2j: Re-extract/re-analysis confirms low surrogate recovery.

- SOIL-112 (Lab ID: 7047482008)
 - Decachlorobiphenyl (S)

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: COYNE TEXTILE FACILITY 4/5

Pace Project No.: 7047482

Method: EPA 6010C

Description: 6010 MET ICP

Client: CHA Companies

Date: April 19, 2018

General Information:

10 samples were analyzed for EPA 6010C. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:

The samples were prepared in accordance with EPA 3050B with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):

All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:

All criteria were within method requirements with any exceptions noted below.

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

QC Batch: 62553

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 7047482005

M1: Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

- MS (Lab ID: 287160)
 - Aluminum
 - Antimony
 - Calcium
 - Iron
 - Manganese

Duplicate Sample:

All duplicate sample results were within method acceptance criteria with any exceptions noted below.

QC Batch: 62553

D6: The precision between the sample and sample duplicate exceeded laboratory control limits.

- DUP (Lab ID: 287159)
 - Arsenic

Additional Comments:

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PROJECT NARRATIVE

Project: COYNE TEXTILE FACILITY 4/5

Pace Project No.: 7047482

Method: EPA 6010C

Description: 6010 MET ICP

Client: CHA Companies

Date: April 19, 2018

Analyte Comments:

QC Batch: 62553

1j: Analyte detected in method blank. Concentration in all samples greater than 10x detected amount.

- SOIL-100 (Lab ID: 7047482005)
 - Aluminum

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PROJECT NARRATIVE

Project: COYNE TEXTILE FACILITY 4/5

Pace Project No.: 7047482

Method: EPA 7471B

Description: 7471 Mercury

Client: CHA Companies

Date: April 19, 2018

General Information:

10 samples were analyzed for EPA 7471B. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:

The samples were prepared in accordance with EPA 7471B with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):

All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:

All criteria were within method requirements with any exceptions noted below.

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Duplicate Sample:

All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

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PROJECT NARRATIVE

Project: COYNE TEXTILE FACILITY 4/5

Pace Project No.: 7047482

Method: EPA 8270D

Description: 8270 MSSV

Client: CHA Companies

Date: April 19, 2018

General Information:

11 samples were analyzed for EPA 8270D. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:

The samples were prepared in accordance with EPA 3545A with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):

All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:

All criteria were within method requirements with any exceptions noted below.

QC Batch: 62654

CL: The continuing calibration for this compound is outside of Pace Analytical acceptance limits. The results may be biased low.

- BLANK (Lab ID: 287780)
 - Benzaldehyde
 - Hexachlorocyclopentadiene
- LCS (Lab ID: 287781)
 - Benzaldehyde
 - Hexachlorocyclopentadiene
- MS (Lab ID: 287782)
 - Benzaldehyde
 - Hexachlorocyclopentadiene
- MSD (Lab ID: 287783)
 - Benzaldehyde
 - Hexachlorocyclopentadiene
- SOIL-100 (Lab ID: 7047482005)
 - Benzaldehyde
 - Hexachlorocyclopentadiene
- SOIL-108 (Lab ID: 7047482002)
 - Benzaldehyde
 - Hexachlorocyclopentadiene
- SOIL-109 (Lab ID: 7047482006)
 - Benzaldehyde
 - Hexachlorocyclopentadiene
- SOIL-110 (Lab ID: 7047482003)
 - Benzaldehyde
 - Hexachlorocyclopentadiene
- SOIL-111 (Lab ID: 7047482007)
 - Benzaldehyde
 - Hexachlorocyclopentadiene

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PROJECT NARRATIVE

Project: COYNE TEXTILE FACILITY 4/5

Pace Project No.: 7047482

Method: EPA 8270D

Description: 8270 MSSV

Client: CHA Companies

Date: April 19, 2018

QC Batch: 62654

CL: The continuing calibration for this compound is outside of Pace Analytical acceptance limits. The results may be biased low.

- SOIL-112 (Lab ID: 7047482008)
 - Benzaldehyde
 - Hexachlorocyclopentadiene
- SOIL-113 (Lab ID: 7047482004)
 - Benzaldehyde
 - Hexachlorocyclopentadiene
- SOIL-114 (Lab ID: 7047482010)
 - Benzaldehyde
 - Hexachlorocyclopentadiene
- SOIL-115 (Lab ID: 7047482009)
 - Benzaldehyde
 - Hexachlorocyclopentadiene
- SOIL-DUP 101 (Lab ID: 7047482001)
 - Benzaldehyde
 - Hexachlorocyclopentadiene
- SOIL-DUP100 (Lab ID: 7047482011)
 - Benzaldehyde
 - Hexachlorocyclopentadiene

Internal Standards:

All internal standards were within QC limits with any exceptions noted below.

Surrogates:

All surrogates were within QC limits with any exceptions noted below.

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

QC Batch: 62654

L2: Analyte recovery in the laboratory control sample (LCS) was below QC limits. Results for this analyte in associated samples may be biased low.

- LCS (Lab ID: 287781)
 - 4-Nitroaniline
 - Benzaldehyde

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: COYNE TEXTILE FACILITY 4/5

Pace Project No.: 7047482

Method: EPA 8270D

Description: 8270 MSSV

Client: CHA Companies

Date: April 19, 2018

QC Batch: 62654

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 7047482005

M1: Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

- MS (Lab ID: 287782)
 - 3,3'-Dichlorobenzidine
 - 4-Nitrophenol
 - Hexachlorocyclopentadiene
 - Pentachlorophenol
- MSD (Lab ID: 287783)
 - 4-Nitrophenol
 - Hexachlorocyclopentadiene
 - Pentachlorophenol

R1: RPD value was outside control limits.

- MSD (Lab ID: 287783)
 - 3,3'-Dichlorobenzidine

Additional Comments:

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: COYNE TEXTILE FACILITY 4/5

Pace Project No.: 7047482

Method: EPA 8260C

Description: 8260C MSV 5035A-L Low Level

Client: CHA Companies

Date: April 19, 2018

General Information:

9 samples were analyzed for EPA 8260C. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:

The samples were prepared in accordance with EPA 5035A-L with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):

All criteria were within method requirements with any exceptions noted below.

QC Batch: 63495

IH: This analyte exceeded secondary source verification criteria high for the initial calibration. The reported results should be considered an estimated value.

- LCS (Lab ID: 291632)
 - Acetone
- MS (Lab ID: 291840)
 - Acetone
- MSD (Lab ID: 291841)
 - Acetone
- SOIL-100 (Lab ID: 7047482005)
 - Acetone

QC Batch: 63550

IH: This analyte exceeded secondary source verification criteria high for the initial calibration. The reported results should be considered an estimated value.

- DUP (Lab ID: 291952)
 - Acetone
- LCS (Lab ID: 291843)
 - Acetone
- SOIL-108 (Lab ID: 7047482002)
 - Acetone
- SOIL-109 (Lab ID: 7047482006)
 - Acetone
- SOIL-111 (Lab ID: 7047482007)
 - Acetone
- SOIL-112 (Lab ID: 7047482008)
 - Acetone
- SOIL-113 (Lab ID: 7047482004)
 - Acetone
- SOIL-114 (Lab ID: 7047482010)
 - Acetone
- SOIL-DUP 101 (Lab ID: 7047482001)
 - Acetone

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PROJECT NARRATIVE

Project: COYNE TEXTILE FACILITY 4/5

Pace Project No.: 7047482

Method: EPA 8260C

Description: 8260C MSV 5035A-L Low Level

Client: CHA Companies

Date: April 19, 2018

QC Batch: 63550

IH: This analyte exceeded secondary source verification criteria high for the initial calibration. The reported results should be considered an estimated value.

- SOIL-DUP100 (Lab ID: 7047482011)
 - Acetone

Continuing Calibration:

All criteria were within method requirements with any exceptions noted below.

QC Batch: 63495

CL: The continuing calibration for this compound is outside of Pace Analytical acceptance limits. The results may be biased low.

- BLANK (Lab ID: 291631)
 - 1,1,2-Trichlorotrifluoroethane
 - Chloromethane
 - Dichlorodifluoromethane
 - Vinyl chloride
- LCS (Lab ID: 291632)
 - 1,1,2-Trichlorotrifluoroethane
 - Chloromethane
 - Dichlorodifluoromethane
 - Vinyl chloride
- MS (Lab ID: 291840)
 - 1,1,2-Trichlorotrifluoroethane
 - Chloromethane
 - Dichlorodifluoromethane
 - Vinyl chloride
- MSD (Lab ID: 291841)
 - 1,1,2-Trichlorotrifluoroethane
 - Chloromethane
 - Dichlorodifluoromethane
 - Vinyl chloride
- SOIL-100 (Lab ID: 7047482005)
 - 1,1,2-Trichlorotrifluoroethane
 - Chloromethane
 - Dichlorodifluoromethane
 - Vinyl chloride

QC Batch: 63550

CH: The continuing calibration for this compound is outside of Pace Analytical acceptance limits. The results may be biased high.

- LCS (Lab ID: 291843)
 - 1,2-Dibromoethane (EDB)
 - 4-Methyl-2-pentanone (MIBK)
 - Bromomethane
 - Toluene
- SOIL-111 (Lab ID: 7047482007)
 - Toluene

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: COYNE TEXTILE FACILITY 4/5

Pace Project No.: 7047482

Method: EPA 8260C

Description: 8260C MSV 5035A-L Low Level

Client: CHA Companies

Date: April 19, 2018

QC Batch: 63550

CH: The continuing calibration for this compound is outside of Pace Analytical acceptance limits. The results may be biased high.

- SOIL-112 (Lab ID: 7047482008)
 - Toluene

CL: The continuing calibration for this compound is outside of Pace Analytical acceptance limits. The results may be biased low.

- BLANK (Lab ID: 291842)
 - Dichlorodifluoromethane
 - trans-1,2-Dichloroethene
- DUP (Lab ID: 291952)
 - Dichlorodifluoromethane
 - trans-1,2-Dichloroethene
- LCS (Lab ID: 291843)
 - Dichlorodifluoromethane
 - trans-1,2-Dichloroethene
- SOIL-108 (Lab ID: 7047482002)
 - Dichlorodifluoromethane
 - trans-1,2-Dichloroethene
- SOIL-109 (Lab ID: 7047482006)
 - Dichlorodifluoromethane
 - trans-1,2-Dichloroethene
- SOIL-111 (Lab ID: 7047482007)
 - Dichlorodifluoromethane
 - trans-1,2-Dichloroethene
- SOIL-112 (Lab ID: 7047482008)
 - Dichlorodifluoromethane
 - trans-1,2-Dichloroethene
- SOIL-113 (Lab ID: 7047482004)
 - Dichlorodifluoromethane
 - trans-1,2-Dichloroethene
- SOIL-114 (Lab ID: 7047482010)
 - Dichlorodifluoromethane
 - trans-1,2-Dichloroethene
- SOIL-DUP 101 (Lab ID: 7047482001)
 - Dichlorodifluoromethane
 - trans-1,2-Dichloroethene
- SOIL-DUP100 (Lab ID: 7047482011)
 - Dichlorodifluoromethane
 - trans-1,2-Dichloroethene

Internal Standards:

All internal standards were within QC limits with any exceptions noted below.

Surrogates:

All surrogates were within QC limits with any exceptions noted below.

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: COYNE TEXTILE FACILITY 4/5

Pace Project No.: 7047482

Method: EPA 8260C

Description: 8260C MSV 5035A-L Low Level

Client: CHA Companies

Date: April 19, 2018

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

QC Batch: 63550

L1: Analyte recovery in the laboratory control sample (LCS) was above QC limits. Results for this analyte in associated samples may be biased high.

- LCS (Lab ID: 291843)
 - 1,1,2-Trichloroethane
 - 1,2-Dibromoethane (EDB)
 - 4-Methyl-2-pentanone (MIBK)
 - Toluene
 - trans-1,3-Dichloropropene

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

QC Batch: 63495

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 7047482005

M1: Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

- MS (Lab ID: 291840)
 - 1,2,4-Trichlorobenzene
 - Acetone
 - Benzene
- MSD (Lab ID: 291841)
 - Acetone
 - Benzene

R1: RPD value was outside control limits.

- MSD (Lab ID: 291841)
 - 1,2,4-Trichlorobenzene

Duplicate Sample:

All duplicate sample results were within method acceptance criteria with any exceptions noted below.

QC Batch: 63550

D6: The precision between the sample and sample duplicate exceeded laboratory control limits.

- DUP (Lab ID: 291952)
 - Acetone

Additional Comments:

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: COYNE TEXTILE FACILITY 4/5

Pace Project No.: 7047482

Method: EPA 8260C

Description: 8260 MSV 5035A-H Med Level

Client: CHA Companies

Date: April 19, 2018

General Information:

2 samples were analyzed for EPA 8260C. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:

The samples were prepared in accordance with EPA 5035A-H/5030C with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):

All criteria were within method requirements with any exceptions noted below.

QC Batch: 63412

IH: This analyte exceeded secondary source verification criteria high for the initial calibration. The reported results should be considered an estimated value.

- DUP (Lab ID: 291198)
 - 2-Butanone (MEK)
- LCS (Lab ID: 291196)
 - 2-Butanone (MEK)
- MS (Lab ID: 291197)
 - 2-Butanone (MEK)

Continuing Calibration:

All criteria were within method requirements with any exceptions noted below.

QC Batch: 63412

CH: The continuing calibration for this compound is outside of Pace Analytical acceptance limits. The results may be biased high.

- DUP (Lab ID: 291198)
 - 2-Butanone (MEK)
 - Acetone
- LCS (Lab ID: 291196)
 - 2-Butanone (MEK)
 - 4-Methyl-2-pentanone (MIBK)
 - Acetone
 - Chloroethane
 - Chloromethane
 - cis-1,3-Dichloropropene
- MS (Lab ID: 291197)
 - 2-Butanone (MEK)
 - 4-Methyl-2-pentanone (MIBK)
 - Acetone
 - Chloroethane
 - Chloromethane
 - cis-1,3-Dichloropropene

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: COYNE TEXTILE FACILITY 4/5

Pace Project No.: 7047482

Method: EPA 8260C

Description: 8260 MSV 5035A-H Med Level

Client: CHA Companies

Date: April 19, 2018

QC Batch: 63412

CH: The continuing calibration for this compound is outside of Pace Analytical acceptance limits. The results may be biased high.

- SOIL-115 (Lab ID: 7047482009)
 - Acetone

CL: The continuing calibration for this compound is outside of Pace Analytical acceptance limits. The results may be biased low.

- BLANK (Lab ID: 291195)
 - 1,2,3-Trichlorobenzene
 - Dichlorodifluoromethane
 - Hexachloro-1,3-butadiene
- DUP (Lab ID: 291198)
 - 1,2,3-Trichlorobenzene
 - Dichlorodifluoromethane
 - Hexachloro-1,3-butadiene
- LCS (Lab ID: 291196)
 - 1,2,3-Trichlorobenzene
 - Dichlorodifluoromethane
 - Hexachloro-1,3-butadiene
- MS (Lab ID: 291197)
 - 1,2,3-Trichlorobenzene
 - Dichlorodifluoromethane
 - Hexachloro-1,3-butadiene
- SOIL-110 (Lab ID: 7047482003)
 - 1,2,3-Trichlorobenzene
 - Dichlorodifluoromethane
 - Hexachloro-1,3-butadiene
- SOIL-115 (Lab ID: 7047482009)
 - 1,2,3-Trichlorobenzene
 - Dichlorodifluoromethane
 - Hexachloro-1,3-butadiene

Internal Standards:

All internal standards were within QC limits with any exceptions noted below.

Surrogates:

All surrogates were within QC limits with any exceptions noted below.

QC Batch: 63412

S0: Surrogate recovery outside laboratory control limits.

- DUP (Lab ID: 291198)
 - 4-Bromofluorobenzene (S)

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: COYNE TEXTILE FACILITY 4/5

Pace Project No.: 7047482

Method: EPA 8260C

Description: 8260 MSV 5035A-H Med Level

Client: CHA Companies

Date: April 19, 2018

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

QC Batch: 63412

L1: Analyte recovery in the laboratory control sample (LCS) was above QC limits. Results for this analyte in associated samples may be biased high.

- LCS (Lab ID: 291196)
 - 2-Butanone (MEK)

L2: Analyte recovery in the laboratory control sample (LCS) was below QC limits. Results for this analyte in associated samples may be biased low.

- LCS (Lab ID: 291196)
 - 1,1,2-Trichloroethane
 - Bromomethane
 - Chloroethane
 - Trichlorofluoromethane

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

QC Batch: 63412

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 7047475002

M0: Matrix spike recovery and/or matrix spike duplicate recovery was outside laboratory control limits.

- MS (Lab ID: 291197)
 - 2-Butanone (MEK)
 - Bromomethane
 - Chloroethane

M1: Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

- MS (Lab ID: 291197)
 - Dibromochloromethane

Duplicate Sample:

All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

This data package has been reviewed for quality and completeness and is approved for release.

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: COYNE TEXTILE FACILITY 4/5

Pace Project No.: 7047482

Sample: SOIL-DUP 101 **Lab ID: 7047482001** Collected: 04/05/18 14:30 Received: 04/06/18 09:40 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8082 GCS PCB Analytical Method: EPA 8082A Preparation Method: EPA 3546								
PCB-1016 (Aroclor 1016)	<39.6	ug/kg	39.6	1	04/10/18 20:18	04/14/18 20:21	12674-11-2	
PCB-1221 (Aroclor 1221)	<80.5	ug/kg	80.5	1	04/10/18 20:18	04/14/18 20:21	11104-28-2	
PCB-1232 (Aroclor 1232)	<39.6	ug/kg	39.6	1	04/10/18 20:18	04/14/18 20:21	11141-16-5	
PCB-1242 (Aroclor 1242)	<39.6	ug/kg	39.6	1	04/10/18 20:18	04/14/18 20:21	53469-21-9	
PCB-1248 (Aroclor 1248)	<39.6	ug/kg	39.6	1	04/10/18 20:18	04/14/18 20:21	12672-29-6	
PCB-1254 (Aroclor 1254)	<39.6	ug/kg	39.6	1	04/10/18 20:18	04/14/18 20:21	11097-69-1	
PCB-1260 (Aroclor 1260)	<39.6	ug/kg	39.6	1	04/10/18 20:18	04/14/18 20:21	11096-82-5	
Surrogates								
Tetrachloro-m-xylene (S)	33	%	30-150	1	04/10/18 20:18	04/14/18 20:21	877-09-8	
Decachlorobiphenyl (S)	75	%	30-150	1	04/10/18 20:18	04/14/18 20:21	2051-24-3	
6010 MET ICP Analytical Method: EPA 6010C Preparation Method: EPA 3050B								
Aluminum	3080	mg/kg	12.3	1	04/09/18 11:14	04/11/18 03:56	7429-90-5	
Antimony	<3.7	mg/kg	3.7	1	04/09/18 11:14	04/11/18 03:56	7440-36-0	
Arsenic	1.5	mg/kg	0.61	1	04/09/18 11:14	04/11/18 03:56	7440-38-2	
Barium	21.3	mg/kg	12.3	1	04/09/18 11:14	04/11/18 03:56	7440-39-3	
Beryllium	<0.31	mg/kg	0.31	1	04/09/18 11:14	04/11/18 03:56	7440-41-7	
Cadmium	<0.15	mg/kg	0.15	1	04/09/18 11:14	04/11/18 03:56	7440-43-9	
Calcium	60300	mg/kg	61.3	1	04/09/18 11:14	04/11/18 03:56	7440-70-2	
Chromium	5.9	mg/kg	0.61	1	04/09/18 11:14	04/11/18 03:56	7440-47-3	
Cobalt	3.5	mg/kg	3.1	1	04/09/18 11:14	04/11/18 03:56	7440-48-4	
Copper	6.4	mg/kg	1.5	1	04/09/18 11:14	04/11/18 03:56	7440-50-8	
Iron	6180	mg/kg	6.1	1	04/09/18 11:14	04/11/18 03:56	7439-89-6	
Lead	3.4	mg/kg	0.31	1	04/09/18 11:14	04/11/18 03:56	7439-92-1	
Magnesium	12600	mg/kg	61.3	1	04/09/18 11:14	04/11/18 03:56	7439-95-4	
Manganese	183	mg/kg	0.92	1	04/09/18 11:14	04/11/18 03:56	7439-96-5	
Nickel	8.2	mg/kg	2.5	1	04/09/18 11:14	04/11/18 03:56	7440-02-0	
Potassium	568	mg/kg	307	1	04/09/18 11:14	04/11/18 03:56	7440-09-7	
Selenium	<0.61	mg/kg	0.61	1	04/09/18 11:14	04/11/18 03:56	7782-49-2	
Silver	<0.61	mg/kg	0.61	1	04/09/18 11:14	04/11/18 03:56	7440-22-4	
Sodium	<307	mg/kg	307	1	04/09/18 11:14	04/11/18 03:56	7440-23-5	
Thallium	<0.61	mg/kg	0.61	1	04/09/18 11:14	04/11/18 03:56	7440-28-0	
Vanadium	6.4	mg/kg	3.1	1	04/09/18 11:14	04/11/18 03:56	7440-62-2	
Zinc	19.2	mg/kg	1.2	1	04/09/18 11:14	04/11/18 03:56	7440-66-6	
7471 Mercury Analytical Method: EPA 7471B Preparation Method: EPA 7471B								
Mercury	<0.047	mg/kg	0.047	1	04/09/18 13:02	04/10/18 13:45	7439-97-6	
8270 MSSV Analytical Method: EPA 8270D Preparation Method: EPA 3545A								
1,2,4-Trichlorobenzene	<80.3	ug/kg	80.3	1	04/09/18 18:23	04/12/18 17:00	120-82-1	
2,2'-Oxybis(1-chloropropane)	<80.3	ug/kg	80.3	1	04/09/18 18:23	04/12/18 17:00	108-60-1	
2,4,5-Trichlorophenol	<80.3	ug/kg	80.3	1	04/09/18 18:23	04/12/18 17:00	95-95-4	
2,4,6-Trichlorophenol	<80.3	ug/kg	80.3	1	04/09/18 18:23	04/12/18 17:00	88-06-2	
2,4-Dichlorophenol	<80.3	ug/kg	80.3	1	04/09/18 18:23	04/12/18 17:00	120-83-2	
2,4-Dimethylphenol	<80.3	ug/kg	80.3	1	04/09/18 18:23	04/12/18 17:00	105-67-9	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: COYNE TEXTILE FACILITY 4/5

Pace Project No.: 7047482

Sample: **SOIL-DUP 101** Lab ID: **7047482001** Collected: 04/05/18 14:30 Received: 04/06/18 09:40 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV								
Analytical Method: EPA 8270D Preparation Method: EPA 3545A								
2,4-Dinitrophenol	<803	ug/kg	803	1	04/09/18 18:23	04/12/18 17:00	51-28-5	
2,4-Dinitrotoluene	<396	ug/kg	396	1	04/09/18 18:23	04/12/18 17:00	121-14-2	
2,6-Dinitrotoluene	<396	ug/kg	396	1	04/09/18 18:23	04/12/18 17:00	606-20-2	
2-Chloronaphthalene	<80.3	ug/kg	80.3	1	04/09/18 18:23	04/12/18 17:00	91-58-7	
2-Chlorophenol	<80.3	ug/kg	80.3	1	04/09/18 18:23	04/12/18 17:00	95-57-8	
2-Methylnaphthalene	<80.3	ug/kg	80.3	1	04/09/18 18:23	04/12/18 17:00	91-57-6	
2-Methylphenol(o-Cresol)	<80.3	ug/kg	80.3	1	04/09/18 18:23	04/12/18 17:00	95-48-7	
2-Nitroaniline	<396	ug/kg	396	1	04/09/18 18:23	04/12/18 17:00	88-74-4	
2-Nitrophenol	<396	ug/kg	396	1	04/09/18 18:23	04/12/18 17:00	88-75-5	
3&4-Methylphenol(m&p Cresol)	<80.3	ug/kg	80.3	1	04/09/18 18:23	04/12/18 17:00		
3,3'-Dichlorobenzidine	<396	ug/kg	396	1	04/09/18 18:23	04/12/18 17:00	91-94-1	
3-Nitroaniline	<396	ug/kg	396	1	04/09/18 18:23	04/12/18 17:00	99-09-2	
4,6-Dinitro-2-methylphenol	<803	ug/kg	803	1	04/09/18 18:23	04/12/18 17:00	534-52-1	
4-Bromophenylphenyl ether	<80.3	ug/kg	80.3	1	04/09/18 18:23	04/12/18 17:00	101-55-3	
4-Chloro-3-methylphenol	<80.3	ug/kg	80.3	1	04/09/18 18:23	04/12/18 17:00	59-50-7	
4-Chloroaniline	<396	ug/kg	396	1	04/09/18 18:23	04/12/18 17:00	106-47-8	
4-Chlorophenylphenyl ether	<80.3	ug/kg	80.3	1	04/09/18 18:23	04/12/18 17:00	7005-72-3	
4-Nitroaniline	<396	ug/kg	396	1	04/09/18 18:23	04/12/18 17:00	100-01-6	L2
4-Nitrophenol	<803	ug/kg	803	1	04/09/18 18:23	04/12/18 17:00	100-02-7	
Acenaphthene	<80.3	ug/kg	80.3	1	04/09/18 18:23	04/12/18 17:00	83-32-9	
Acenaphthylene	<80.3	ug/kg	80.3	1	04/09/18 18:23	04/12/18 17:00	208-96-8	
Acetophenone	<80.3	ug/kg	80.3	1	04/09/18 18:23	04/12/18 17:00	98-86-2	
Anthracene	<80.3	ug/kg	80.3	1	04/09/18 18:23	04/12/18 17:00	120-12-7	
Atrazine	<80.3	ug/kg	80.3	1	04/09/18 18:23	04/12/18 17:00	1912-24-9	
Benzaldehyde	<80.3	ug/kg	80.3	1	04/09/18 18:23	04/12/18 17:00	100-52-7	CL,L2
Benzo(a)anthracene	<80.3	ug/kg	80.3	1	04/09/18 18:23	04/12/18 17:00	56-55-3	
Benzo(a)pyrene	<80.3	ug/kg	80.3	1	04/09/18 18:23	04/12/18 17:00	50-32-8	
Benzo(b)fluoranthene	<80.3	ug/kg	80.3	1	04/09/18 18:23	04/12/18 17:00	205-99-2	
Benzo(g,h,i)perylene	<80.3	ug/kg	80.3	1	04/09/18 18:23	04/12/18 17:00	191-24-2	
Benzo(k)fluoranthene	<80.3	ug/kg	80.3	1	04/09/18 18:23	04/12/18 17:00	207-08-9	
Biphenyl (Diphenyl)	<80.3	ug/kg	80.3	1	04/09/18 18:23	04/12/18 17:00	92-52-4	
Butylbenzylphthalate	<80.3	ug/kg	80.3	1	04/09/18 18:23	04/12/18 17:00	85-68-7	
Caprolactam	<80.3	ug/kg	80.3	1	04/09/18 18:23	04/12/18 17:00	105-60-2	
Carbazole	<80.3	ug/kg	80.3	1	04/09/18 18:23	04/12/18 17:00	86-74-8	
Chrysene	<80.3	ug/kg	80.3	1	04/09/18 18:23	04/12/18 17:00	218-01-9	
Di-n-butylphthalate	<80.3	ug/kg	80.3	1	04/09/18 18:23	04/12/18 17:00	84-74-2	
Di-n-octylphthalate	<80.3	ug/kg	80.3	1	04/09/18 18:23	04/12/18 17:00	117-84-0	
Dibenz(a,h)anthracene	<80.3	ug/kg	80.3	1	04/09/18 18:23	04/12/18 17:00	53-70-3	
Dibenzofuran	<80.3	ug/kg	80.3	1	04/09/18 18:23	04/12/18 17:00	132-64-9	
Diethylphthalate	<80.3	ug/kg	80.3	1	04/09/18 18:23	04/12/18 17:00	84-66-2	
Dimethylphthalate	<80.3	ug/kg	80.3	1	04/09/18 18:23	04/12/18 17:00	131-11-3	
Fluoranthene	<80.3	ug/kg	80.3	1	04/09/18 18:23	04/12/18 17:00	206-44-0	
Fluorene	<80.3	ug/kg	80.3	1	04/09/18 18:23	04/12/18 17:00	86-73-7	
Hexachloro-1,3-butadiene	<80.3	ug/kg	80.3	1	04/09/18 18:23	04/12/18 17:00	87-68-3	
Hexachlorobenzene	<80.3	ug/kg	80.3	1	04/09/18 18:23	04/12/18 17:00	118-74-1	
Hexachlorocyclopentadiene	<396	ug/kg	396	1	04/09/18 18:23	04/12/18 17:00	77-47-4	CL

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: COYNE TEXTILE FACILITY 4/5

Pace Project No.: 7047482

Sample: SOIL-DUP 101 **Lab ID: 7047482001** Collected: 04/05/18 14:30 Received: 04/06/18 09:40 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Analytical Method: EPA 8270D Preparation Method: EPA 3545A								
Hexachloroethane	<80.3	ug/kg	80.3	1	04/09/18 18:23	04/12/18 17:00	67-72-1	
Indeno(1,2,3-cd)pyrene	<80.3	ug/kg	80.3	1	04/09/18 18:23	04/12/18 17:00	193-39-5	
Isophorone	<80.3	ug/kg	80.3	1	04/09/18 18:23	04/12/18 17:00	78-59-1	
N-Nitroso-di-n-propylamine	<80.3	ug/kg	80.3	1	04/09/18 18:23	04/12/18 17:00	621-64-7	
N-Nitrosodiphenylamine	<80.3	ug/kg	80.3	1	04/09/18 18:23	04/12/18 17:00	86-30-6	
Naphthalene	<80.3	ug/kg	80.3	1	04/09/18 18:23	04/12/18 17:00	91-20-3	
Nitrobenzene	<80.3	ug/kg	80.3	1	04/09/18 18:23	04/12/18 17:00	98-95-3	
Pentachlorophenol	<80.3	ug/kg	80.3	1	04/09/18 18:23	04/12/18 17:00	87-86-5	
Phenanthrene	<80.3	ug/kg	80.3	1	04/09/18 18:23	04/12/18 17:00	85-01-8	
Phenol	<80.3	ug/kg	80.3	1	04/09/18 18:23	04/12/18 17:00	108-95-2	
Pyrene	<80.3	ug/kg	80.3	1	04/09/18 18:23	04/12/18 17:00	129-00-0	
bis(2-Chloroethoxy)methane	<80.3	ug/kg	80.3	1	04/09/18 18:23	04/12/18 17:00	111-91-1	
bis(2-Chloroethyl) ether	<80.3	ug/kg	80.3	1	04/09/18 18:23	04/12/18 17:00	111-44-4	
bis(2-Ethylhexyl)phthalate	<80.3	ug/kg	80.3	1	04/09/18 18:23	04/12/18 17:00	117-81-7	
Surrogates								
Nitrobenzene-d5 (S)	71	%	23-120	1	04/09/18 18:23	04/12/18 17:00	4165-60-0	
2-Fluorobiphenyl (S)	79	%	30-115	1	04/09/18 18:23	04/12/18 17:00	321-60-8	
p-Terphenyl-d14 (S)	88	%	18-137	1	04/09/18 18:23	04/12/18 17:00	1718-51-0	
Phenol-d5 (S)	72	%	24-113	1	04/09/18 18:23	04/12/18 17:00	4165-62-2	
2-Fluorophenol (S)	67	%	25-121	1	04/09/18 18:23	04/12/18 17:00	367-12-4	
2,4,6-Tribromophenol (S)	77	%	19-122	1	04/09/18 18:23	04/12/18 17:00	118-79-6	
2-Chlorophenol-d4 (S)	71	%	20-130	1	04/09/18 18:23	04/12/18 17:00	93951-73-6	
1,2-Dichlorobenzene-d4 (S)	66	%	20-130	1	04/09/18 18:23	04/12/18 17:00	2199-69-1	
8260C MSV 5035A-L Low Level Analytical Method: EPA 8260C Preparation Method: EPA 5035A-L								
1,1,1-Trichloroethane	<1.9	ug/kg	1.9	1	04/14/18 10:55	04/14/18 18:34	71-55-6	
1,1,2,2-Tetrachloroethane	<1.9	ug/kg	1.9	1	04/14/18 10:55	04/14/18 18:34	79-34-5	
1,1,2-Trichloroethane	<1.9	ug/kg	1.9	1	04/14/18 10:55	04/14/18 18:34	79-00-5	L1
1,1,2-Trichlorotrifluoroethane	<1.9	ug/kg	1.9	1	04/14/18 10:55	04/14/18 18:34	76-13-1	
1,1-Dichloroethane	<1.9	ug/kg	1.9	1	04/14/18 10:55	04/14/18 18:34	75-34-3	
1,1-Dichloroethene	<1.9	ug/kg	1.9	1	04/14/18 10:55	04/14/18 18:34	75-35-4	
1,2,4-Trichlorobenzene	<1.9	ug/kg	1.9	1	04/14/18 10:55	04/14/18 18:34	120-82-1	
1,2-Dibromo-3-chloropropane	<1.9	ug/kg	1.9	1	04/14/18 10:55	04/14/18 18:34	96-12-8	
1,2-Dibromoethane (EDB)	<1.9	ug/kg	1.9	1	04/14/18 10:55	04/14/18 18:34	106-93-4	L1
1,2-Dichlorobenzene	<1.9	ug/kg	1.9	1	04/14/18 10:55	04/14/18 18:34	95-50-1	
1,2-Dichloroethane	<1.9	ug/kg	1.9	1	04/14/18 10:55	04/14/18 18:34	107-06-2	
1,2-Dichloropropane	<1.9	ug/kg	1.9	1	04/14/18 10:55	04/14/18 18:34	78-87-5	
1,3-Dichlorobenzene	<1.9	ug/kg	1.9	1	04/14/18 10:55	04/14/18 18:34	541-73-1	
1,4-Dichlorobenzene	<1.9	ug/kg	1.9	1	04/14/18 10:55	04/14/18 18:34	106-46-7	
2-Butanone (MEK)	<1.9	ug/kg	1.9	1	04/14/18 10:55	04/14/18 18:34	78-93-3	
2-Hexanone	<1.9	ug/kg	1.9	1	04/14/18 10:55	04/14/18 18:34	591-78-6	
4-Methyl-2-pentanone (MIBK)	<1.9	ug/kg	1.9	1	04/14/18 10:55	04/14/18 18:34	108-10-1	L1
Acetone	28.7	ug/kg	1.9	1	04/14/18 10:55	04/14/18 18:34	67-64-1	IH
Benzene	2.6	ug/kg	1.9	1	04/14/18 10:55	04/14/18 18:34	71-43-2	
Bromodichloromethane	<1.9	ug/kg	1.9	1	04/14/18 10:55	04/14/18 18:34	75-27-4	
Bromoform	<1.9	ug/kg	1.9	1	04/14/18 10:55	04/14/18 18:34	75-25-2	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: COYNE TEXTILE FACILITY 4/5

Pace Project No.: 7047482

Sample: **SOIL-DUP 101** Lab ID: **7047482001** Collected: 04/05/18 14:30 Received: 04/06/18 09:40 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260C MSV 5035A-L Low Level		Analytical Method: EPA 8260C Preparation Method: EPA 5035A-L						
Bromomethane	<1.9	ug/kg	1.9	1	04/14/18 10:55	04/14/18 18:34	74-83-9	
Carbon disulfide	<1.9	ug/kg	1.9	1	04/14/18 10:55	04/14/18 18:34	75-15-0	
Carbon tetrachloride	<1.9	ug/kg	1.9	1	04/14/18 10:55	04/14/18 18:34	56-23-5	
Chlorobenzene	<1.9	ug/kg	1.9	1	04/14/18 10:55	04/14/18 18:34	108-90-7	
Chloroethane	<1.9	ug/kg	1.9	1	04/14/18 10:55	04/14/18 18:34	75-00-3	
Chloroform	<1.9	ug/kg	1.9	1	04/14/18 10:55	04/14/18 18:34	67-66-3	
Chloromethane	<1.9	ug/kg	1.9	1	04/14/18 10:55	04/14/18 18:34	74-87-3	
Cyclohexane	<1.9	ug/kg	1.9	1	04/14/18 10:55	04/14/18 18:34	110-82-7	
Dibromochloromethane	<1.9	ug/kg	1.9	1	04/14/18 10:55	04/14/18 18:34	124-48-1	
Dichlorodifluoromethane	<1.9	ug/kg	1.9	1	04/14/18 10:55	04/14/18 18:34	75-71-8	CL
Ethylbenzene	<1.9	ug/kg	1.9	1	04/14/18 10:55	04/14/18 18:34	100-41-4	
Isopropylbenzene (Cumene)	<1.9	ug/kg	1.9	1	04/14/18 10:55	04/14/18 18:34	98-82-8	
Methyl acetate	<1.9	ug/kg	1.9	1	04/14/18 10:55	04/14/18 18:34	79-20-9	
Methyl-tert-butyl ether	<1.9	ug/kg	1.9	1	04/14/18 10:55	04/14/18 18:34	1634-04-4	
Methylcyclohexane	<1.9	ug/kg	1.9	1	04/14/18 10:55	04/14/18 18:34	108-87-2	
Methylene Chloride	<1.9	ug/kg	1.9	1	04/14/18 10:55	04/14/18 18:34	75-09-2	
Styrene	<1.9	ug/kg	1.9	1	04/14/18 10:55	04/14/18 18:34	100-42-5	
Tetrachloroethene	<1.9	ug/kg	1.9	1	04/14/18 10:55	04/14/18 18:34	127-18-4	
Toluene	<1.9	ug/kg	1.9	1	04/14/18 10:55	04/14/18 18:34	108-88-3	L1
Trichloroethene	<1.9	ug/kg	1.9	1	04/14/18 10:55	04/14/18 18:34	79-01-6	
Trichlorofluoromethane	<1.9	ug/kg	1.9	1	04/14/18 10:55	04/14/18 18:34	75-69-4	
Vinyl chloride	<1.9	ug/kg	1.9	1	04/14/18 10:55	04/14/18 18:34	75-01-4	
Xylene (Total)	<3.8	ug/kg	3.8	1	04/14/18 10:55	04/14/18 18:34	1330-20-7	
cis-1,2-Dichloroethene	<1.9	ug/kg	1.9	1	04/14/18 10:55	04/14/18 18:34	156-59-2	
cis-1,3-Dichloropropene	<1.9	ug/kg	1.9	1	04/14/18 10:55	04/14/18 18:34	10061-01-5	
trans-1,2-Dichloroethene	5.4	ug/kg	1.9	1	04/14/18 10:55	04/14/18 18:34	156-60-5	CL
trans-1,3-Dichloropropene	<1.9	ug/kg	1.9	1	04/14/18 10:55	04/14/18 18:34	10061-02-6	L1
Surrogates								
Toluene-d8 (S)	93	%	43-157	1	04/14/18 10:55	04/14/18 18:34	2037-26-5	
4-Bromofluorobenzene (S)	83	%	34-145	1	04/14/18 10:55	04/14/18 18:34	460-00-4	
1,2-Dichloroethane-d4 (S)	104	%	33-150	1	04/14/18 10:55	04/14/18 18:34	17060-07-0	
Percent Moisture		Analytical Method: ASTM D2216-92M						
Percent Moisture	16.7	%	0.10	1		04/07/18 00:50		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: COYNE TEXTILE FACILITY 4/5

Pace Project No.: 7047482

Sample: **SOIL-108** Lab ID: **7047482002** Collected: 04/05/18 14:20 Received: 04/06/18 09:40 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8082 GCS PCB Analytical Method: EPA 8082A Preparation Method: EPA 3546								
PCB-1016 (Aroclor 1016)	<42.4	ug/kg	42.4	1	04/10/18 20:18	04/14/18 04:37	12674-11-2	
PCB-1221 (Aroclor 1221)	<86.1	ug/kg	86.1	1	04/10/18 20:18	04/14/18 04:37	11104-28-2	
PCB-1232 (Aroclor 1232)	<42.4	ug/kg	42.4	1	04/10/18 20:18	04/14/18 04:37	11141-16-5	
PCB-1242 (Aroclor 1242)	<42.4	ug/kg	42.4	1	04/10/18 20:18	04/14/18 04:37	53469-21-9	
PCB-1248 (Aroclor 1248)	<42.4	ug/kg	42.4	1	04/10/18 20:18	04/14/18 04:37	12672-29-6	
PCB-1254 (Aroclor 1254)	<42.4	ug/kg	42.4	1	04/10/18 20:18	04/14/18 04:37	11097-69-1	
PCB-1260 (Aroclor 1260)	<42.4	ug/kg	42.4	1	04/10/18 20:18	04/14/18 04:37	11096-82-5	
Surrogates								
Tetrachloro-m-xylene (S)	33	%	30-150	1	04/10/18 20:18	04/14/18 04:37	877-09-8	
Decachlorobiphenyl (S)	56	%	30-150	1	04/10/18 20:18	04/14/18 04:37	2051-24-3	
6010 MET ICP Analytical Method: EPA 6010C Preparation Method: EPA 3050B								
Aluminum	3850	mg/kg	12.7	1	04/09/18 11:14	04/11/18 04:01	7429-90-5	
Antimony	<3.8	mg/kg	3.8	1	04/09/18 11:14	04/11/18 04:01	7440-36-0	
Arsenic	3.6	mg/kg	0.63	1	04/09/18 11:14	04/11/18 04:01	7440-38-2	
Barium	32.2	mg/kg	12.7	1	04/09/18 11:14	04/11/18 04:01	7440-39-3	
Beryllium	<0.32	mg/kg	0.32	1	04/09/18 11:14	04/11/18 04:01	7440-41-7	
Cadmium	<0.16	mg/kg	0.16	1	04/09/18 11:14	04/11/18 04:01	7440-43-9	
Calcium	82400	mg/kg	634	10	04/09/18 11:14	04/11/18 13:08	7440-70-2	
Chromium	7.5	mg/kg	0.63	1	04/09/18 11:14	04/11/18 04:01	7440-47-3	
Cobalt	5.5	mg/kg	3.2	1	04/09/18 11:14	04/11/18 04:01	7440-48-4	
Copper	7.7	mg/kg	1.6	1	04/09/18 11:14	04/11/18 04:01	7440-50-8	
Iron	8370	mg/kg	6.3	1	04/09/18 11:14	04/11/18 04:01	7439-89-6	
Lead	4.0	mg/kg	0.32	1	04/09/18 11:14	04/11/18 04:01	7439-92-1	
Magnesium	16900	mg/kg	63.4	1	04/09/18 11:14	04/11/18 04:01	7439-95-4	
Manganese	250	mg/kg	0.95	1	04/09/18 11:14	04/11/18 04:01	7439-96-5	
Nickel	11.6	mg/kg	2.5	1	04/09/18 11:14	04/11/18 04:01	7440-02-0	
Potassium	704	mg/kg	317	1	04/09/18 11:14	04/11/18 04:01	7440-09-7	
Selenium	<0.63	mg/kg	0.63	1	04/09/18 11:14	04/11/18 04:01	7782-49-2	
Silver	<0.63	mg/kg	0.63	1	04/09/18 11:14	04/11/18 04:01	7440-22-4	
Sodium	<317	mg/kg	317	1	04/09/18 11:14	04/11/18 04:01	7440-23-5	
Thallium	<0.63	mg/kg	0.63	1	04/09/18 11:14	04/11/18 04:01	7440-28-0	
Vanadium	8.5	mg/kg	3.2	1	04/09/18 11:14	04/11/18 04:01	7440-62-2	
Zinc	23.1	mg/kg	1.3	1	04/09/18 11:14	04/11/18 04:01	7440-66-6	
7471 Mercury Analytical Method: EPA 7471B Preparation Method: EPA 7471B								
Mercury	<0.044	mg/kg	0.044	1	04/09/18 13:02	04/10/18 13:47	7439-97-6	
8270 MSSV Analytical Method: EPA 8270D Preparation Method: EPA 3545A								
1,2,4-Trichlorobenzene	<85.6	ug/kg	85.6	1	04/09/18 18:23	04/12/18 17:28	120-82-1	
2,2'-Oxybis(1-chloropropane)	<85.6	ug/kg	85.6	1	04/09/18 18:23	04/12/18 17:28	108-60-1	
2,4,5-Trichlorophenol	<85.6	ug/kg	85.6	1	04/09/18 18:23	04/12/18 17:28	95-95-4	
2,4,6-Trichlorophenol	<85.6	ug/kg	85.6	1	04/09/18 18:23	04/12/18 17:28	88-06-2	
2,4-Dichlorophenol	<85.6	ug/kg	85.6	1	04/09/18 18:23	04/12/18 17:28	120-83-2	
2,4-Dimethylphenol	<85.6	ug/kg	85.6	1	04/09/18 18:23	04/12/18 17:28	105-67-9	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: COYNE TEXTILE FACILITY 4/5

Pace Project No.: 7047482

Sample: **SOIL-108** Lab ID: **7047482002** Collected: 04/05/18 14:20 Received: 04/06/18 09:40 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV								
Analytical Method: EPA 8270D Preparation Method: EPA 3545A								
2,4-Dinitrophenol	<856	ug/kg	856	1	04/09/18 18:23	04/12/18 17:28	51-28-5	
2,4-Dinitrotoluene	<421	ug/kg	421	1	04/09/18 18:23	04/12/18 17:28	121-14-2	
2,6-Dinitrotoluene	<421	ug/kg	421	1	04/09/18 18:23	04/12/18 17:28	606-20-2	
2-Chloronaphthalene	<85.6	ug/kg	85.6	1	04/09/18 18:23	04/12/18 17:28	91-58-7	
2-Chlorophenol	<85.6	ug/kg	85.6	1	04/09/18 18:23	04/12/18 17:28	95-57-8	
2-Methylnaphthalene	<85.6	ug/kg	85.6	1	04/09/18 18:23	04/12/18 17:28	91-57-6	
2-Methylphenol(o-Cresol)	<85.6	ug/kg	85.6	1	04/09/18 18:23	04/12/18 17:28	95-48-7	
2-Nitroaniline	<421	ug/kg	421	1	04/09/18 18:23	04/12/18 17:28	88-74-4	
2-Nitrophenol	<421	ug/kg	421	1	04/09/18 18:23	04/12/18 17:28	88-75-5	
3&4-Methylphenol(m&p Cresol)	<85.6	ug/kg	85.6	1	04/09/18 18:23	04/12/18 17:28		
3,3'-Dichlorobenzidine	<421	ug/kg	421	1	04/09/18 18:23	04/12/18 17:28	91-94-1	
3-Nitroaniline	<421	ug/kg	421	1	04/09/18 18:23	04/12/18 17:28	99-09-2	
4,6-Dinitro-2-methylphenol	<856	ug/kg	856	1	04/09/18 18:23	04/12/18 17:28	534-52-1	
4-Bromophenylphenyl ether	<85.6	ug/kg	85.6	1	04/09/18 18:23	04/12/18 17:28	101-55-3	
4-Chloro-3-methylphenol	<85.6	ug/kg	85.6	1	04/09/18 18:23	04/12/18 17:28	59-50-7	
4-Chloroaniline	<421	ug/kg	421	1	04/09/18 18:23	04/12/18 17:28	106-47-8	
4-Chlorophenylphenyl ether	<85.6	ug/kg	85.6	1	04/09/18 18:23	04/12/18 17:28	7005-72-3	
4-Nitroaniline	<421	ug/kg	421	1	04/09/18 18:23	04/12/18 17:28	100-01-6	L2
4-Nitrophenol	<856	ug/kg	856	1	04/09/18 18:23	04/12/18 17:28	100-02-7	
Acenaphthene	<85.6	ug/kg	85.6	1	04/09/18 18:23	04/12/18 17:28	83-32-9	
Acenaphthylene	<85.6	ug/kg	85.6	1	04/09/18 18:23	04/12/18 17:28	208-96-8	
Acetophenone	<85.6	ug/kg	85.6	1	04/09/18 18:23	04/12/18 17:28	98-86-2	
Anthracene	<85.6	ug/kg	85.6	1	04/09/18 18:23	04/12/18 17:28	120-12-7	
Atrazine	<85.6	ug/kg	85.6	1	04/09/18 18:23	04/12/18 17:28	1912-24-9	
Benzaldehyde	<85.6	ug/kg	85.6	1	04/09/18 18:23	04/12/18 17:28	100-52-7	CL,L2
Benzo(a)anthracene	<85.6	ug/kg	85.6	1	04/09/18 18:23	04/12/18 17:28	56-55-3	
Benzo(a)pyrene	<85.6	ug/kg	85.6	1	04/09/18 18:23	04/12/18 17:28	50-32-8	
Benzo(b)fluoranthene	<85.6	ug/kg	85.6	1	04/09/18 18:23	04/12/18 17:28	205-99-2	
Benzo(g,h,i)perylene	<85.6	ug/kg	85.6	1	04/09/18 18:23	04/12/18 17:28	191-24-2	
Benzo(k)fluoranthene	<85.6	ug/kg	85.6	1	04/09/18 18:23	04/12/18 17:28	207-08-9	
Biphenyl (Diphenyl)	<85.6	ug/kg	85.6	1	04/09/18 18:23	04/12/18 17:28	92-52-4	
Butylbenzylphthalate	<85.6	ug/kg	85.6	1	04/09/18 18:23	04/12/18 17:28	85-68-7	
Caprolactam	<85.6	ug/kg	85.6	1	04/09/18 18:23	04/12/18 17:28	105-60-2	
Carbazole	<85.6	ug/kg	85.6	1	04/09/18 18:23	04/12/18 17:28	86-74-8	
Chrysene	<85.6	ug/kg	85.6	1	04/09/18 18:23	04/12/18 17:28	218-01-9	
Di-n-butylphthalate	<85.6	ug/kg	85.6	1	04/09/18 18:23	04/12/18 17:28	84-74-2	
Di-n-octylphthalate	<85.6	ug/kg	85.6	1	04/09/18 18:23	04/12/18 17:28	117-84-0	
Dibenz(a,h)anthracene	<85.6	ug/kg	85.6	1	04/09/18 18:23	04/12/18 17:28	53-70-3	
Dibenzofuran	<85.6	ug/kg	85.6	1	04/09/18 18:23	04/12/18 17:28	132-64-9	
Diethylphthalate	<85.6	ug/kg	85.6	1	04/09/18 18:23	04/12/18 17:28	84-66-2	
Dimethylphthalate	<85.6	ug/kg	85.6	1	04/09/18 18:23	04/12/18 17:28	131-11-3	
Fluoranthene	<85.6	ug/kg	85.6	1	04/09/18 18:23	04/12/18 17:28	206-44-0	
Fluorene	<85.6	ug/kg	85.6	1	04/09/18 18:23	04/12/18 17:28	86-73-7	
Hexachloro-1,3-butadiene	<85.6	ug/kg	85.6	1	04/09/18 18:23	04/12/18 17:28	87-68-3	
Hexachlorobenzene	<85.6	ug/kg	85.6	1	04/09/18 18:23	04/12/18 17:28	118-74-1	
Hexachlorocyclopentadiene	<421	ug/kg	421	1	04/09/18 18:23	04/12/18 17:28	77-47-4	CL

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: COYNE TEXTILE FACILITY 4/5

Pace Project No.: 7047482

Sample: SOIL-108 **Lab ID: 7047482002** Collected: 04/05/18 14:20 Received: 04/06/18 09:40 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Analytical Method: EPA 8270D Preparation Method: EPA 3545A								
Hexachloroethane	<85.6	ug/kg	85.6	1	04/09/18 18:23	04/12/18 17:28	67-72-1	
Indeno(1,2,3-cd)pyrene	<85.6	ug/kg	85.6	1	04/09/18 18:23	04/12/18 17:28	193-39-5	
Isophorone	<85.6	ug/kg	85.6	1	04/09/18 18:23	04/12/18 17:28	78-59-1	
N-Nitroso-di-n-propylamine	<85.6	ug/kg	85.6	1	04/09/18 18:23	04/12/18 17:28	621-64-7	
N-Nitrosodiphenylamine	<85.6	ug/kg	85.6	1	04/09/18 18:23	04/12/18 17:28	86-30-6	
Naphthalene	<85.6	ug/kg	85.6	1	04/09/18 18:23	04/12/18 17:28	91-20-3	
Nitrobenzene	<85.6	ug/kg	85.6	1	04/09/18 18:23	04/12/18 17:28	98-95-3	
Pentachlorophenol	<85.6	ug/kg	85.6	1	04/09/18 18:23	04/12/18 17:28	87-86-5	
Phenanthrene	<85.6	ug/kg	85.6	1	04/09/18 18:23	04/12/18 17:28	85-01-8	
Phenol	<85.6	ug/kg	85.6	1	04/09/18 18:23	04/12/18 17:28	108-95-2	
Pyrene	<85.6	ug/kg	85.6	1	04/09/18 18:23	04/12/18 17:28	129-00-0	
bis(2-Chloroethoxy)methane	<85.6	ug/kg	85.6	1	04/09/18 18:23	04/12/18 17:28	111-91-1	
bis(2-Chloroethyl) ether	<85.6	ug/kg	85.6	1	04/09/18 18:23	04/12/18 17:28	111-44-4	
bis(2-Ethylhexyl)phthalate	<85.6	ug/kg	85.6	1	04/09/18 18:23	04/12/18 17:28	117-81-7	
Surrogates								
Nitrobenzene-d5 (S)	52	%	23-120	1	04/09/18 18:23	04/12/18 17:28	4165-60-0	
2-Fluorobiphenyl (S)	69	%	30-115	1	04/09/18 18:23	04/12/18 17:28	321-60-8	
p-Terphenyl-d14 (S)	83	%	18-137	1	04/09/18 18:23	04/12/18 17:28	1718-51-0	
Phenol-d5 (S)	58	%	24-113	1	04/09/18 18:23	04/12/18 17:28	4165-62-2	
2-Fluorophenol (S)	52	%	25-121	1	04/09/18 18:23	04/12/18 17:28	367-12-4	
2,4,6-Tribromophenol (S)	65	%	19-122	1	04/09/18 18:23	04/12/18 17:28	118-79-6	
2-Chlorophenol-d4 (S)	59	%	20-130	1	04/09/18 18:23	04/12/18 17:28	93951-73-6	
1,2-Dichlorobenzene-d4 (S)	53	%	20-130	1	04/09/18 18:23	04/12/18 17:28	2199-69-1	
8260C MSV 5035A-L Low Level Analytical Method: EPA 8260C Preparation Method: EPA 5035A-L								
1,1,1-Trichloroethane	<2.1	ug/kg	2.1	1	04/14/18 10:55	04/14/18 18:59	71-55-6	
1,1,2,2-Tetrachloroethane	<2.1	ug/kg	2.1	1	04/14/18 10:55	04/14/18 18:59	79-34-5	
1,1,2-Trichloroethane	<2.1	ug/kg	2.1	1	04/14/18 10:55	04/14/18 18:59	79-00-5	L1
1,1,2-Trichlorotrifluoroethane	<2.1	ug/kg	2.1	1	04/14/18 10:55	04/14/18 18:59	76-13-1	
1,1-Dichloroethane	<2.1	ug/kg	2.1	1	04/14/18 10:55	04/14/18 18:59	75-34-3	
1,1-Dichloroethene	<2.1	ug/kg	2.1	1	04/14/18 10:55	04/14/18 18:59	75-35-4	
1,2,4-Trichlorobenzene	<2.1	ug/kg	2.1	1	04/14/18 10:55	04/14/18 18:59	120-82-1	
1,2-Dibromo-3-chloropropane	<2.1	ug/kg	2.1	1	04/14/18 10:55	04/14/18 18:59	96-12-8	
1,2-Dibromoethane (EDB)	<2.1	ug/kg	2.1	1	04/14/18 10:55	04/14/18 18:59	106-93-4	L1
1,2-Dichlorobenzene	<2.1	ug/kg	2.1	1	04/14/18 10:55	04/14/18 18:59	95-50-1	
1,2-Dichloroethane	<2.1	ug/kg	2.1	1	04/14/18 10:55	04/14/18 18:59	107-06-2	
1,2-Dichloropropane	<2.1	ug/kg	2.1	1	04/14/18 10:55	04/14/18 18:59	78-87-5	
1,3-Dichlorobenzene	<2.1	ug/kg	2.1	1	04/14/18 10:55	04/14/18 18:59	541-73-1	
1,4-Dichlorobenzene	<2.1	ug/kg	2.1	1	04/14/18 10:55	04/14/18 18:59	106-46-7	
2-Butanone (MEK)	<2.1	ug/kg	2.1	1	04/14/18 10:55	04/14/18 18:59	78-93-3	
2-Hexanone	<2.1	ug/kg	2.1	1	04/14/18 10:55	04/14/18 18:59	591-78-6	
4-Methyl-2-pentanone (MIBK)	<2.1	ug/kg	2.1	1	04/14/18 10:55	04/14/18 18:59	108-10-1	L1
Acetone	9.2	ug/kg	2.1	1	04/14/18 10:55	04/14/18 18:59	67-64-1	IH
Benzene	2.7	ug/kg	2.1	1	04/14/18 10:55	04/14/18 18:59	71-43-2	
Bromodichloromethane	<2.1	ug/kg	2.1	1	04/14/18 10:55	04/14/18 18:59	75-27-4	
Bromoform	<2.1	ug/kg	2.1	1	04/14/18 10:55	04/14/18 18:59	75-25-2	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: COYNE TEXTILE FACILITY 4/5

Pace Project No.: 7047482

Sample: **SOIL-108** Lab ID: **7047482002** Collected: 04/05/18 14:20 Received: 04/06/18 09:40 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260C MSV 5035A-L Low Level		Analytical Method: EPA 8260C Preparation Method: EPA 5035A-L						
Bromomethane	<2.1	ug/kg	2.1	1	04/14/18 10:55	04/14/18 18:59	74-83-9	
Carbon disulfide	<2.1	ug/kg	2.1	1	04/14/18 10:55	04/14/18 18:59	75-15-0	
Carbon tetrachloride	<2.1	ug/kg	2.1	1	04/14/18 10:55	04/14/18 18:59	56-23-5	
Chlorobenzene	<2.1	ug/kg	2.1	1	04/14/18 10:55	04/14/18 18:59	108-90-7	
Chloroethane	<2.1	ug/kg	2.1	1	04/14/18 10:55	04/14/18 18:59	75-00-3	
Chloroform	<2.1	ug/kg	2.1	1	04/14/18 10:55	04/14/18 18:59	67-66-3	
Chloromethane	<2.1	ug/kg	2.1	1	04/14/18 10:55	04/14/18 18:59	74-87-3	
Cyclohexane	<2.1	ug/kg	2.1	1	04/14/18 10:55	04/14/18 18:59	110-82-7	
Dibromochloromethane	<2.1	ug/kg	2.1	1	04/14/18 10:55	04/14/18 18:59	124-48-1	
Dichlorodifluoromethane	<2.1	ug/kg	2.1	1	04/14/18 10:55	04/14/18 18:59	75-71-8	CL
Ethylbenzene	<2.1	ug/kg	2.1	1	04/14/18 10:55	04/14/18 18:59	100-41-4	
Isopropylbenzene (Cumene)	<2.1	ug/kg	2.1	1	04/14/18 10:55	04/14/18 18:59	98-82-8	
Methyl acetate	<2.1	ug/kg	2.1	1	04/14/18 10:55	04/14/18 18:59	79-20-9	
Methyl-tert-butyl ether	<2.1	ug/kg	2.1	1	04/14/18 10:55	04/14/18 18:59	1634-04-4	
Methylcyclohexane	<2.1	ug/kg	2.1	1	04/14/18 10:55	04/14/18 18:59	108-87-2	
Methylene Chloride	<2.1	ug/kg	2.1	1	04/14/18 10:55	04/14/18 18:59	75-09-2	
Styrene	<2.1	ug/kg	2.1	1	04/14/18 10:55	04/14/18 18:59	100-42-5	
Tetrachloroethene	<2.1	ug/kg	2.1	1	04/14/18 10:55	04/14/18 18:59	127-18-4	
Toluene	<2.1	ug/kg	2.1	1	04/14/18 10:55	04/14/18 18:59	108-88-3	L1
Trichloroethene	<2.1	ug/kg	2.1	1	04/14/18 10:55	04/14/18 18:59	79-01-6	
Trichlorofluoromethane	<2.1	ug/kg	2.1	1	04/14/18 10:55	04/14/18 18:59	75-69-4	
Vinyl chloride	<2.1	ug/kg	2.1	1	04/14/18 10:55	04/14/18 18:59	75-01-4	
Xylene (Total)	<4.2	ug/kg	4.2	1	04/14/18 10:55	04/14/18 18:59	1330-20-7	
cis-1,2-Dichloroethene	<2.1	ug/kg	2.1	1	04/14/18 10:55	04/14/18 18:59	156-59-2	
cis-1,3-Dichloropropene	<2.1	ug/kg	2.1	1	04/14/18 10:55	04/14/18 18:59	10061-01-5	
trans-1,2-Dichloroethene	4.5	ug/kg	2.1	1	04/14/18 10:55	04/14/18 18:59	156-60-5	CL
trans-1,3-Dichloropropene	<2.1	ug/kg	2.1	1	04/14/18 10:55	04/14/18 18:59	10061-02-6	L1
Surrogates								
Toluene-d8 (S)	93	%	43-157	1	04/14/18 10:55	04/14/18 18:59	2037-26-5	
4-Bromofluorobenzene (S)	89	%	34-145	1	04/14/18 10:55	04/14/18 18:59	460-00-4	
1,2-Dichloroethane-d4 (S)	111	%	33-150	1	04/14/18 10:55	04/14/18 18:59	17060-07-0	
Percent Moisture		Analytical Method: ASTM D2216-92M						
Percent Moisture	22.2	%	0.10	1		04/07/18 00:50		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: COYNE TEXTILE FACILITY 4/5

Sample Project No.: 7047482

Sample: SOIL-110 Lab ID: 7047482003 Collected: 04/05/18 15:30 Received: 04/06/18 09:40 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8082 GCS PCB Analytical Method: EPA 8082A Preparation Method: EPA 3546								
PCB-1016 (Aroclor 1016)	<43.1	ug/kg	43.1	1	04/10/18 20:18	04/14/18 04:50	12674-11-2	
PCB-1221 (Aroclor 1221)	<87.4	ug/kg	87.4	1	04/10/18 20:18	04/14/18 04:50	11104-28-2	
PCB-1232 (Aroclor 1232)	<43.1	ug/kg	43.1	1	04/10/18 20:18	04/14/18 04:50	11141-16-5	
PCB-1242 (Aroclor 1242)	<43.1	ug/kg	43.1	1	04/10/18 20:18	04/14/18 04:50	53469-21-9	
PCB-1248 (Aroclor 1248)	<43.1	ug/kg	43.1	1	04/10/18 20:18	04/14/18 04:50	12672-29-6	
PCB-1254 (Aroclor 1254)	<43.1	ug/kg	43.1	1	04/10/18 20:18	04/14/18 04:50	11097-69-1	
PCB-1260 (Aroclor 1260)	<43.1	ug/kg	43.1	1	04/10/18 20:18	04/14/18 04:50	11096-82-5	
Surrogates								
Tetrachloro-m-xylene (S)	43	%	30-150	1	04/10/18 20:18	04/14/18 04:50	877-09-8	
Decachlorobiphenyl (S)	37	%	30-150	1	04/10/18 20:18	04/14/18 04:50	2051-24-3	
6010 MET ICP Analytical Method: EPA 6010C Preparation Method: EPA 3050B								
Aluminum	4790	mg/kg	13.8	1	04/09/18 11:14	04/11/18 04:17	7429-90-5	
Antimony	<4.1	mg/kg	4.1	1	04/09/18 11:14	04/11/18 04:17	7440-36-0	
Arsenic	3.2	mg/kg	0.69	1	04/09/18 11:14	04/11/18 04:17	7440-38-2	
Barium	47.4	mg/kg	13.8	1	04/09/18 11:14	04/11/18 04:17	7440-39-3	
Beryllium	<0.34	mg/kg	0.34	1	04/09/18 11:14	04/11/18 04:17	7440-41-7	
Cadmium	0.31	mg/kg	0.17	1	04/09/18 11:14	04/11/18 04:17	7440-43-9	
Calcium	55600	mg/kg	68.8	1	04/09/18 11:14	04/11/18 04:17	7440-70-2	
Chromium	9.5	mg/kg	0.69	1	04/09/18 11:14	04/11/18 04:17	7440-47-3	
Cobalt	4.7	mg/kg	3.4	1	04/09/18 11:14	04/11/18 04:17	7440-48-4	
Copper	5.6	mg/kg	1.7	1	04/09/18 11:14	04/11/18 04:17	7440-50-8	
Iron	12600	mg/kg	6.9	1	04/09/18 11:14	04/11/18 04:17	7439-89-6	
Lead	4.7	mg/kg	0.34	1	04/09/18 11:14	04/11/18 04:17	7439-92-1	
Magnesium	9500	mg/kg	68.8	1	04/09/18 11:14	04/11/18 04:17	7439-95-4	
Manganese	279	mg/kg	1.0	1	04/09/18 11:14	04/11/18 04:17	7439-96-5	
Nickel	11.3	mg/kg	2.8	1	04/09/18 11:14	04/11/18 04:17	7440-02-0	
Potassium	822	mg/kg	344	1	04/09/18 11:14	04/11/18 04:17	7440-09-7	
Selenium	<0.69	mg/kg	0.69	1	04/09/18 11:14	04/11/18 04:17	7782-49-2	
Silver	<0.69	mg/kg	0.69	1	04/09/18 11:14	04/11/18 04:17	7440-22-4	
Sodium	<344	mg/kg	344	1	04/09/18 11:14	04/11/18 04:17	7440-23-5	
Thallium	<0.69	mg/kg	0.69	1	04/09/18 11:14	04/11/18 04:17	7440-28-0	
Vanadium	9.4	mg/kg	3.4	1	04/09/18 11:14	04/11/18 04:17	7440-62-2	
Zinc	27.0	mg/kg	1.4	1	04/09/18 11:14	04/11/18 04:17	7440-66-6	
7471 Mercury Analytical Method: EPA 7471B Preparation Method: EPA 7471B								
Mercury	<0.061	mg/kg	0.061	1	04/09/18 13:02	04/10/18 13:54	7439-97-6	
8270 MSSV Analytical Method: EPA 8270D Preparation Method: EPA 3545A								
1,2,4-Trichlorobenzene	<86.9	ug/kg	86.9	1	04/09/18 18:23	04/12/18 17:55	120-82-1	
2,2'-Oxybis(1-chloropropane)	<86.9	ug/kg	86.9	1	04/09/18 18:23	04/12/18 17:55	108-60-1	
2,4,5-Trichlorophenol	<86.9	ug/kg	86.9	1	04/09/18 18:23	04/12/18 17:55	95-95-4	
2,4,6-Trichlorophenol	<86.9	ug/kg	86.9	1	04/09/18 18:23	04/12/18 17:55	88-06-2	
2,4-Dichlorophenol	<86.9	ug/kg	86.9	1	04/09/18 18:23	04/12/18 17:55	120-83-2	
2,4-Dimethylphenol	<86.9	ug/kg	86.9	1	04/09/18 18:23	04/12/18 17:55	105-67-9	

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ANALYTICAL RESULTS

Project: COYNE TEXTILE FACILITY 4/5

Pace Project No.: 7047482

Sample: **SOIL-110** Lab ID: **7047482003** Collected: 04/05/18 15:30 Received: 04/06/18 09:40 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV								
Analytical Method: EPA 8270D Preparation Method: EPA 3545A								
2,4-Dinitrophenol	<86.9	ug/kg	86.9	1	04/09/18 18:23	04/12/18 17:55	51-28-5	
2,4-Dinitrotoluene	<428	ug/kg	428	1	04/09/18 18:23	04/12/18 17:55	121-14-2	
2,6-Dinitrotoluene	<428	ug/kg	428	1	04/09/18 18:23	04/12/18 17:55	606-20-2	
2-Chloronaphthalene	<86.9	ug/kg	86.9	1	04/09/18 18:23	04/12/18 17:55	91-58-7	
2-Chlorophenol	<86.9	ug/kg	86.9	1	04/09/18 18:23	04/12/18 17:55	95-57-8	
2-Methylnaphthalene	<86.9	ug/kg	86.9	1	04/09/18 18:23	04/12/18 17:55	91-57-6	
2-Methylphenol(o-Cresol)	<86.9	ug/kg	86.9	1	04/09/18 18:23	04/12/18 17:55	95-48-7	
2-Nitroaniline	<428	ug/kg	428	1	04/09/18 18:23	04/12/18 17:55	88-74-4	
2-Nitrophenol	<428	ug/kg	428	1	04/09/18 18:23	04/12/18 17:55	88-75-5	
3&4-Methylphenol(m&p Cresol)	<86.9	ug/kg	86.9	1	04/09/18 18:23	04/12/18 17:55		
3,3'-Dichlorobenzidine	<428	ug/kg	428	1	04/09/18 18:23	04/12/18 17:55	91-94-1	
3-Nitroaniline	<428	ug/kg	428	1	04/09/18 18:23	04/12/18 17:55	99-09-2	
4,6-Dinitro-2-methylphenol	<86.9	ug/kg	86.9	1	04/09/18 18:23	04/12/18 17:55	534-52-1	
4-Bromophenylphenyl ether	<86.9	ug/kg	86.9	1	04/09/18 18:23	04/12/18 17:55	101-55-3	
4-Chloro-3-methylphenol	<86.9	ug/kg	86.9	1	04/09/18 18:23	04/12/18 17:55	59-50-7	
4-Chloroaniline	<428	ug/kg	428	1	04/09/18 18:23	04/12/18 17:55	106-47-8	
4-Chlorophenylphenyl ether	<86.9	ug/kg	86.9	1	04/09/18 18:23	04/12/18 17:55	7005-72-3	
4-Nitroaniline	<428	ug/kg	428	1	04/09/18 18:23	04/12/18 17:55	100-01-6	L2
4-Nitrophenol	<86.9	ug/kg	86.9	1	04/09/18 18:23	04/12/18 17:55	100-02-7	
Acenaphthene	<86.9	ug/kg	86.9	1	04/09/18 18:23	04/12/18 17:55	83-32-9	
Acenaphthylene	<86.9	ug/kg	86.9	1	04/09/18 18:23	04/12/18 17:55	208-96-8	
Acetophenone	<86.9	ug/kg	86.9	1	04/09/18 18:23	04/12/18 17:55	98-86-2	
Anthracene	<86.9	ug/kg	86.9	1	04/09/18 18:23	04/12/18 17:55	120-12-7	
Atrazine	<86.9	ug/kg	86.9	1	04/09/18 18:23	04/12/18 17:55	1912-24-9	
Benzaldehyde	<86.9	ug/kg	86.9	1	04/09/18 18:23	04/12/18 17:55	100-52-7	CL,L2
Benzo(a)anthracene	<86.9	ug/kg	86.9	1	04/09/18 18:23	04/12/18 17:55	56-55-3	
Benzo(a)pyrene	<86.9	ug/kg	86.9	1	04/09/18 18:23	04/12/18 17:55	50-32-8	
Benzo(b)fluoranthene	<86.9	ug/kg	86.9	1	04/09/18 18:23	04/12/18 17:55	205-99-2	
Benzo(g,h,i)perylene	<86.9	ug/kg	86.9	1	04/09/18 18:23	04/12/18 17:55	191-24-2	
Benzo(k)fluoranthene	<86.9	ug/kg	86.9	1	04/09/18 18:23	04/12/18 17:55	207-08-9	
Biphenyl (Diphenyl)	<86.9	ug/kg	86.9	1	04/09/18 18:23	04/12/18 17:55	92-52-4	
Butylbenzylphthalate	<86.9	ug/kg	86.9	1	04/09/18 18:23	04/12/18 17:55	85-68-7	
Caprolactam	<86.9	ug/kg	86.9	1	04/09/18 18:23	04/12/18 17:55	105-60-2	
Carbazole	<86.9	ug/kg	86.9	1	04/09/18 18:23	04/12/18 17:55	86-74-8	
Chrysene	<86.9	ug/kg	86.9	1	04/09/18 18:23	04/12/18 17:55	218-01-9	
Di-n-butylphthalate	<86.9	ug/kg	86.9	1	04/09/18 18:23	04/12/18 17:55	84-74-2	
Di-n-octylphthalate	<86.9	ug/kg	86.9	1	04/09/18 18:23	04/12/18 17:55	117-84-0	
Dibenz(a,h)anthracene	<86.9	ug/kg	86.9	1	04/09/18 18:23	04/12/18 17:55	53-70-3	
Dibenzofuran	<86.9	ug/kg	86.9	1	04/09/18 18:23	04/12/18 17:55	132-64-9	
Diethylphthalate	<86.9	ug/kg	86.9	1	04/09/18 18:23	04/12/18 17:55	84-66-2	
Dimethylphthalate	<86.9	ug/kg	86.9	1	04/09/18 18:23	04/12/18 17:55	131-11-3	
Fluoranthene	<86.9	ug/kg	86.9	1	04/09/18 18:23	04/12/18 17:55	206-44-0	
Fluorene	<86.9	ug/kg	86.9	1	04/09/18 18:23	04/12/18 17:55	86-73-7	
Hexachloro-1,3-butadiene	<86.9	ug/kg	86.9	1	04/09/18 18:23	04/12/18 17:55	87-68-3	
Hexachlorobenzene	<86.9	ug/kg	86.9	1	04/09/18 18:23	04/12/18 17:55	118-74-1	
Hexachlorocyclopentadiene	<428	ug/kg	428	1	04/09/18 18:23	04/12/18 17:55	77-47-4	CL

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: COYNE TEXTILE FACILITY 4/5

Pace Project No.: 7047482

Sample: SOIL-110 **Lab ID: 7047482003** Collected: 04/05/18 15:30 Received: 04/06/18 09:40 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Analytical Method: EPA 8270D Preparation Method: EPA 3545A								
Hexachloroethane	<86.9	ug/kg	86.9	1	04/09/18 18:23	04/12/18 17:55	67-72-1	
Indeno(1,2,3-cd)pyrene	<86.9	ug/kg	86.9	1	04/09/18 18:23	04/12/18 17:55	193-39-5	
Isophorone	<86.9	ug/kg	86.9	1	04/09/18 18:23	04/12/18 17:55	78-59-1	
N-Nitroso-di-n-propylamine	<86.9	ug/kg	86.9	1	04/09/18 18:23	04/12/18 17:55	621-64-7	
N-Nitrosodiphenylamine	<86.9	ug/kg	86.9	1	04/09/18 18:23	04/12/18 17:55	86-30-6	
Naphthalene	107	ug/kg	86.9	1	04/09/18 18:23	04/12/18 17:55	91-20-3	
Nitrobenzene	<86.9	ug/kg	86.9	1	04/09/18 18:23	04/12/18 17:55	98-95-3	
Pentachlorophenol	<86.9	ug/kg	86.9	1	04/09/18 18:23	04/12/18 17:55	87-86-5	
Phenanthrene	<86.9	ug/kg	86.9	1	04/09/18 18:23	04/12/18 17:55	85-01-8	
Phenol	<86.9	ug/kg	86.9	1	04/09/18 18:23	04/12/18 17:55	108-95-2	
Pyrene	<86.9	ug/kg	86.9	1	04/09/18 18:23	04/12/18 17:55	129-00-0	
bis(2-Chloroethoxy)methane	<86.9	ug/kg	86.9	1	04/09/18 18:23	04/12/18 17:55	111-91-1	
bis(2-Chloroethyl) ether	<86.9	ug/kg	86.9	1	04/09/18 18:23	04/12/18 17:55	111-44-4	
bis(2-Ethylhexyl)phthalate	<86.9	ug/kg	86.9	1	04/09/18 18:23	04/12/18 17:55	117-81-7	
Surrogates								
Nitrobenzene-d5 (S)	52	%	23-120	1	04/09/18 18:23	04/12/18 17:55	4165-60-0	
2-Fluorobiphenyl (S)	75	%	30-115	1	04/09/18 18:23	04/12/18 17:55	321-60-8	
p-Terphenyl-d14 (S)	88	%	18-137	1	04/09/18 18:23	04/12/18 17:55	1718-51-0	
Phenol-d5 (S)	61	%	24-113	1	04/09/18 18:23	04/12/18 17:55	4165-62-2	
2-Fluorophenol (S)	57	%	25-121	1	04/09/18 18:23	04/12/18 17:55	367-12-4	
2,4,6-Tribromophenol (S)	58	%	19-122	1	04/09/18 18:23	04/12/18 17:55	118-79-6	
2-Chlorophenol-d4 (S)	60	%	20-130	1	04/09/18 18:23	04/12/18 17:55	93951-73-6	
1,2-Dichlorobenzene-d4 (S)	55	%	20-130	1	04/09/18 18:23	04/12/18 17:55	2199-69-1	
8260 MSV 5035A-H Med Level Analytical Method: EPA 8260C Preparation Method: EPA 5035A-H/5030C								
Acetone	<99.7	ug/kg	99.7	1	04/12/18 06:51	04/12/18 13:09	67-64-1	
Benzene	389	ug/kg	99.7	1	04/12/18 06:51	04/12/18 13:09	71-43-2	
Bromobenzene	<99.7	ug/kg	99.7	1	04/12/18 06:51	04/12/18 13:09	108-86-1	
Bromochloromethane	<99.7	ug/kg	99.7	1	04/12/18 06:51	04/12/18 13:09	74-97-5	
Bromodichloromethane	<99.7	ug/kg	99.7	1	04/12/18 06:51	04/12/18 13:09	75-27-4	
Bromoform	<99.7	ug/kg	99.7	1	04/12/18 06:51	04/12/18 13:09	75-25-2	
Bromomethane	<99.7	ug/kg	99.7	1	04/12/18 06:51	04/12/18 13:09	74-83-9	L2
2-Butanone (MEK)	<99.7	ug/kg	99.7	1	04/12/18 06:51	04/12/18 13:09	78-93-3	L1
n-Butylbenzene	<99.7	ug/kg	99.7	1	04/12/18 06:51	04/12/18 13:09	104-51-8	
sec-Butylbenzene	<99.7	ug/kg	99.7	1	04/12/18 06:51	04/12/18 13:09	135-98-8	
tert-Butylbenzene	<99.7	ug/kg	99.7	1	04/12/18 06:51	04/12/18 13:09	98-06-6	
Carbon tetrachloride	<99.7	ug/kg	99.7	1	04/12/18 06:51	04/12/18 13:09	56-23-5	
Chlorobenzene	<99.7	ug/kg	99.7	1	04/12/18 06:51	04/12/18 13:09	108-90-7	
Chlorodifluoromethane	<99.7	ug/kg	99.7	1	04/12/18 06:51	04/12/18 13:09	75-45-6	N3
Chloroethane	<99.7	ug/kg	99.7	1	04/12/18 06:51	04/12/18 13:09	75-00-3	L2
Chloroform	<99.7	ug/kg	99.7	1	04/12/18 06:51	04/12/18 13:09	67-66-3	
Chloromethane	<99.7	ug/kg	99.7	1	04/12/18 06:51	04/12/18 13:09	74-87-3	
2-Chlorotoluene	<99.7	ug/kg	99.7	1	04/12/18 06:51	04/12/18 13:09	95-49-8	
4-Chlorotoluene	<99.7	ug/kg	99.7	1	04/12/18 06:51	04/12/18 13:09	106-43-4	
1,2-Dibromo-3-chloropropane	<99.7	ug/kg	99.7	1	04/12/18 06:51	04/12/18 13:09	96-12-8	
Dibromochloromethane	<99.7	ug/kg	99.7	1	04/12/18 06:51	04/12/18 13:09	124-48-1	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: COYNE TEXTILE FACILITY 4/5

Pace Project No.: 7047482

Sample: **SOIL-110** Lab ID: **7047482003** Collected: 04/05/18 15:30 Received: 04/06/18 09:40 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035A-H Med Level		Analytical Method: EPA 8260C Preparation Method: EPA 5035A-H/5030C						
1,2-Dibromoethane (EDB)	<99.7	ug/kg	99.7	1	04/12/18 06:51	04/12/18 13:09	106-93-4	
Dibromomethane	<99.7	ug/kg	99.7	1	04/12/18 06:51	04/12/18 13:09	74-95-3	
1,2-Dichlorobenzene	<99.7	ug/kg	99.7	1	04/12/18 06:51	04/12/18 13:09	95-50-1	
1,3-Dichlorobenzene	<99.7	ug/kg	99.7	1	04/12/18 06:51	04/12/18 13:09	541-73-1	
1,4-Dichlorobenzene	<99.7	ug/kg	99.7	1	04/12/18 06:51	04/12/18 13:09	106-46-7	
Dichlorodifluoromethane	<99.7	ug/kg	99.7	1	04/12/18 06:51	04/12/18 13:09	75-71-8	CL
1,1-Dichloroethane	<99.7	ug/kg	99.7	1	04/12/18 06:51	04/12/18 13:09	75-34-3	
1,2-Dichloroethane	<99.7	ug/kg	99.7	1	04/12/18 06:51	04/12/18 13:09	107-06-2	
1,1-Dichloroethene	<99.7	ug/kg	99.7	1	04/12/18 06:51	04/12/18 13:09	75-35-4	
cis-1,2-Dichloroethene	<99.7	ug/kg	99.7	1	04/12/18 06:51	04/12/18 13:09	156-59-2	
trans-1,2-Dichloroethene	<99.7	ug/kg	99.7	1	04/12/18 06:51	04/12/18 13:09	156-60-5	
1,2-Dichloropropane	<99.7	ug/kg	99.7	1	04/12/18 06:51	04/12/18 13:09	78-87-5	
1,3-Dichloropropane	<99.7	ug/kg	99.7	1	04/12/18 06:51	04/12/18 13:09	142-28-9	
2,2-Dichloropropane	<99.7	ug/kg	99.7	1	04/12/18 06:51	04/12/18 13:09	594-20-7	
1,1-Dichloropropene	<99.7	ug/kg	99.7	1	04/12/18 06:51	04/12/18 13:09	563-58-6	
cis-1,3-Dichloropropene	<99.7	ug/kg	99.7	1	04/12/18 06:51	04/12/18 13:09	10061-01-5	
trans-1,3-Dichloropropene	<99.7	ug/kg	99.7	1	04/12/18 06:51	04/12/18 13:09	10061-02-6	
1,4-Diethylbenzene	147	ug/kg	99.7	1	04/12/18 06:51	04/12/18 13:09	105-05-5	N3
Ethylbenzene	<99.7	ug/kg	99.7	1	04/12/18 06:51	04/12/18 13:09	100-41-4	
4-Ethyltoluene	<99.7	ug/kg	99.7	1	04/12/18 06:51	04/12/18 13:09	622-96-8	N3
Hexachloro-1,3-butadiene	<99.7	ug/kg	99.7	1	04/12/18 06:51	04/12/18 13:09	87-68-3	CL
Isopropylbenzene (Cumene)	139	ug/kg	99.7	1	04/12/18 06:51	04/12/18 13:09	98-82-8	
p-Isopropyltoluene	<99.7	ug/kg	99.7	1	04/12/18 06:51	04/12/18 13:09	99-87-6	
Methylene Chloride	<99.7	ug/kg	99.7	1	04/12/18 06:51	04/12/18 13:09	75-09-2	
4-Methyl-2-pentanone (MIBK)	<99.7	ug/kg	99.7	1	04/12/18 06:51	04/12/18 13:09	108-10-1	
Methyl-tert-butyl ether	<99.7	ug/kg	99.7	1	04/12/18 06:51	04/12/18 13:09	1634-04-4	
Naphthalene	155	ug/kg	99.7	1	04/12/18 06:51	04/12/18 13:09	91-20-3	
n-Propylbenzene	278	ug/kg	99.7	1	04/12/18 06:51	04/12/18 13:09	103-65-1	
Styrene	<99.7	ug/kg	99.7	1	04/12/18 06:51	04/12/18 13:09	100-42-5	
1,1,1,2-Tetrachloroethane	<99.7	ug/kg	99.7	1	04/12/18 06:51	04/12/18 13:09	630-20-6	
1,1,2,2-Tetrachloroethane	<99.7	ug/kg	99.7	1	04/12/18 06:51	04/12/18 13:09	79-34-5	
Tetrachloroethene	<99.7	ug/kg	99.7	1	04/12/18 06:51	04/12/18 13:09	127-18-4	
1,2,4,5-tetramethylbenzene	107	ug/kg	99.7	1	04/12/18 06:51	04/12/18 13:09	95-93-2	N3
Toluene	<99.7	ug/kg	99.7	1	04/12/18 06:51	04/12/18 13:09	108-88-3	
1,2,3-Trichlorobenzene	<99.7	ug/kg	99.7	1	04/12/18 06:51	04/12/18 13:09	87-61-6	CL
1,2,4-Trichlorobenzene	<99.7	ug/kg	99.7	1	04/12/18 06:51	04/12/18 13:09	120-82-1	
1,1,1-Trichloroethane	<99.7	ug/kg	99.7	1	04/12/18 06:51	04/12/18 13:09	71-55-6	
1,1,2-Trichloroethane	<99.7	ug/kg	99.7	1	04/12/18 06:51	04/12/18 13:09	79-00-5	L2
Trichloroethene	<99.7	ug/kg	99.7	1	04/12/18 06:51	04/12/18 13:09	79-01-6	
Trichlorofluoromethane	<99.7	ug/kg	99.7	1	04/12/18 06:51	04/12/18 13:09	75-69-4	L2
1,2,3-Trichloropropane	<99.7	ug/kg	99.7	1	04/12/18 06:51	04/12/18 13:09	96-18-4	
1,1,2-Trichlorotrifluoroethane	<99.7	ug/kg	99.7	1	04/12/18 06:51	04/12/18 13:09	76-13-1	
1,2,4-Trimethylbenzene	112	ug/kg	99.7	1	04/12/18 06:51	04/12/18 13:09	95-63-6	
1,3,5-Trimethylbenzene	141	ug/kg	99.7	1	04/12/18 06:51	04/12/18 13:09	108-67-8	
Vinyl chloride	<99.7	ug/kg	99.7	1	04/12/18 06:51	04/12/18 13:09	75-01-4	
Xylene (Total)	<199	ug/kg	199	1	04/12/18 06:51	04/12/18 13:09	1330-20-7	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: COYNE TEXTILE FACILITY 4/5

Pace Project No.: 7047482

Sample: SOIL-110 **Lab ID: 7047482003** Collected: 04/05/18 15:30 Received: 04/06/18 09:40 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035A-H Med Level		Analytical Method: EPA 8260C Preparation Method: EPA 5035A-H/5030C						
m&p-Xylene	<199	ug/kg	199	1	04/12/18 06:51	04/12/18 13:09	179601-23-1	
o-Xylene	<99.7	ug/kg	99.7	1	04/12/18 06:51	04/12/18 13:09	95-47-6	
Surrogates								
Toluene-d8 (S)	91	%	43-157	1	04/12/18 06:51	04/12/18 13:09	2037-26-5	
4-Bromofluorobenzene (S)	92	%	34-145	1	04/12/18 06:51	04/12/18 13:09	460-00-4	
1,2-Dichloroethane-d4 (S)	114	%	33-150	1	04/12/18 06:51	04/12/18 13:09	17060-07-0	
Percent Moisture		Analytical Method: ASTM D2216-92M						
Percent Moisture	23.3	%	0.10	1		04/07/18 00:50		

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ANALYTICAL RESULTS

Project: COYNE TEXTILE FACILITY 4/5

Pace Project No.: 7047482

Sample: **SOIL-113** Lab ID: **7047482004** Collected: 04/05/18 11:40 Received: 04/06/18 09:40 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8082 GCS PCB Analytical Method: EPA 8082A Preparation Method: EPA 3546								
PCB-1016 (Aroclor 1016)	<39.4	ug/kg	39.4	1	04/16/18 17:43	04/18/18 00:48	12674-11-2	
PCB-1221 (Aroclor 1221)	<80.0	ug/kg	80.0	1	04/16/18 17:43	04/18/18 00:48	11104-28-2	
PCB-1232 (Aroclor 1232)	<39.4	ug/kg	39.4	1	04/16/18 17:43	04/18/18 00:48	11141-16-5	
PCB-1242 (Aroclor 1242)	<39.4	ug/kg	39.4	1	04/16/18 17:43	04/18/18 00:48	53469-21-9	
PCB-1248 (Aroclor 1248)	<39.4	ug/kg	39.4	1	04/16/18 17:43	04/18/18 00:48	12672-29-6	
PCB-1254 (Aroclor 1254)	<39.4	ug/kg	39.4	1	04/16/18 17:43	04/18/18 00:48	11097-69-1	
PCB-1260 (Aroclor 1260)	<39.4	ug/kg	39.4	1	04/16/18 17:43	04/18/18 00:48	11096-82-5	
Surrogates								
Tetrachloro-m-xylene (S)	46	%	30-150	1	04/16/18 17:43	04/18/18 00:48	877-09-8	
Decachlorobiphenyl (S)	49	%	30-150	1	04/16/18 17:43	04/18/18 00:48	2051-24-3	
6010 MET ICP Analytical Method: EPA 6010C Preparation Method: EPA 3050B								
Aluminum	3080	mg/kg	12.2	1	04/09/18 11:14	04/11/18 04:23	7429-90-5	
Antimony	<3.7	mg/kg	3.7	1	04/09/18 11:14	04/11/18 04:23	7440-36-0	
Arsenic	1.9	mg/kg	0.61	1	04/09/18 11:14	04/11/18 04:23	7440-38-2	
Barium	34.9	mg/kg	12.2	1	04/09/18 11:14	04/11/18 04:23	7440-39-3	
Beryllium	<0.31	mg/kg	0.31	1	04/09/18 11:14	04/11/18 04:23	7440-41-7	
Cadmium	0.26	mg/kg	0.15	1	04/09/18 11:14	04/11/18 04:23	7440-43-9	
Calcium	101000	mg/kg	610	10	04/09/18 11:14	04/11/18 13:10	7440-70-2	
Chromium	6.4	mg/kg	0.61	1	04/09/18 11:14	04/11/18 04:23	7440-47-3	
Cobalt	<3.1	mg/kg	3.1	1	04/09/18 11:14	04/11/18 04:23	7440-48-4	
Copper	3.3	mg/kg	1.5	1	04/09/18 11:14	04/11/18 04:23	7440-50-8	
Iron	10400	mg/kg	6.1	1	04/09/18 11:14	04/11/18 04:23	7439-89-6	
Lead	3.0	mg/kg	0.31	1	04/09/18 11:14	04/11/18 04:23	7439-92-1	
Magnesium	14500	mg/kg	61.0	1	04/09/18 11:14	04/11/18 04:23	7439-95-4	
Manganese	263	mg/kg	0.92	1	04/09/18 11:14	04/11/18 04:23	7439-96-5	
Nickel	6.8	mg/kg	2.4	1	04/09/18 11:14	04/11/18 04:23	7440-02-0	
Potassium	607	mg/kg	305	1	04/09/18 11:14	04/11/18 04:23	7440-09-7	
Selenium	<0.61	mg/kg	0.61	1	04/09/18 11:14	04/11/18 04:23	7782-49-2	
Silver	<0.61	mg/kg	0.61	1	04/09/18 11:14	04/11/18 04:23	7440-22-4	
Sodium	<305	mg/kg	305	1	04/09/18 11:14	04/11/18 04:23	7440-23-5	
Thallium	<0.61	mg/kg	0.61	1	04/09/18 11:14	04/11/18 04:23	7440-28-0	
Vanadium	5.9	mg/kg	3.1	1	04/09/18 11:14	04/11/18 04:23	7440-62-2	
Zinc	17.5	mg/kg	1.2	1	04/09/18 11:14	04/11/18 04:23	7440-66-6	
7471 Mercury Analytical Method: EPA 7471B Preparation Method: EPA 7471B								
Mercury	<0.047	mg/kg	0.047	1	04/09/18 13:02	04/10/18 13:56	7439-97-6	
8270 MSSV Analytical Method: EPA 8270D Preparation Method: EPA 3545A								
1,2,4-Trichlorobenzene	<80.5	ug/kg	80.5	1	04/09/18 18:23	04/12/18 18:23	120-82-1	
2,2'-Oxybis(1-chloropropane)	<80.5	ug/kg	80.5	1	04/09/18 18:23	04/12/18 18:23	108-60-1	
2,4,5-Trichlorophenol	<80.5	ug/kg	80.5	1	04/09/18 18:23	04/12/18 18:23	95-95-4	
2,4,6-Trichlorophenol	<80.5	ug/kg	80.5	1	04/09/18 18:23	04/12/18 18:23	88-06-2	
2,4-Dichlorophenol	<80.5	ug/kg	80.5	1	04/09/18 18:23	04/12/18 18:23	120-83-2	
2,4-Dimethylphenol	<80.5	ug/kg	80.5	1	04/09/18 18:23	04/12/18 18:23	105-67-9	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: COYNE TEXTILE FACILITY 4/5

Pace Project No.: 7047482

Sample: **SOIL-113** Lab ID: **7047482004** Collected: 04/05/18 11:40 Received: 04/06/18 09:40 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV								
Analytical Method: EPA 8270D Preparation Method: EPA 3545A								
2,4-Dinitrophenol	<805	ug/kg	805	1	04/09/18 18:23	04/12/18 18:23	51-28-5	
2,4-Dinitrotoluene	<397	ug/kg	397	1	04/09/18 18:23	04/12/18 18:23	121-14-2	
2,6-Dinitrotoluene	<397	ug/kg	397	1	04/09/18 18:23	04/12/18 18:23	606-20-2	
2-Chloronaphthalene	<80.5	ug/kg	80.5	1	04/09/18 18:23	04/12/18 18:23	91-58-7	
2-Chlorophenol	<80.5	ug/kg	80.5	1	04/09/18 18:23	04/12/18 18:23	95-57-8	
2-Methylnaphthalene	<80.5	ug/kg	80.5	1	04/09/18 18:23	04/12/18 18:23	91-57-6	
2-Methylphenol(o-Cresol)	<80.5	ug/kg	80.5	1	04/09/18 18:23	04/12/18 18:23	95-48-7	
2-Nitroaniline	<397	ug/kg	397	1	04/09/18 18:23	04/12/18 18:23	88-74-4	
2-Nitrophenol	<397	ug/kg	397	1	04/09/18 18:23	04/12/18 18:23	88-75-5	
3&4-Methylphenol(m&p Cresol)	<80.5	ug/kg	80.5	1	04/09/18 18:23	04/12/18 18:23		
3,3'-Dichlorobenzidine	<397	ug/kg	397	1	04/09/18 18:23	04/12/18 18:23	91-94-1	
3-Nitroaniline	<397	ug/kg	397	1	04/09/18 18:23	04/12/18 18:23	99-09-2	
4,6-Dinitro-2-methylphenol	<805	ug/kg	805	1	04/09/18 18:23	04/12/18 18:23	534-52-1	
4-Bromophenylphenyl ether	<80.5	ug/kg	80.5	1	04/09/18 18:23	04/12/18 18:23	101-55-3	
4-Chloro-3-methylphenol	<80.5	ug/kg	80.5	1	04/09/18 18:23	04/12/18 18:23	59-50-7	
4-Chloroaniline	<397	ug/kg	397	1	04/09/18 18:23	04/12/18 18:23	106-47-8	
4-Chlorophenylphenyl ether	<80.5	ug/kg	80.5	1	04/09/18 18:23	04/12/18 18:23	7005-72-3	
4-Nitroaniline	<397	ug/kg	397	1	04/09/18 18:23	04/12/18 18:23	100-01-6	L2
4-Nitrophenol	<805	ug/kg	805	1	04/09/18 18:23	04/12/18 18:23	100-02-7	
Acenaphthene	<80.5	ug/kg	80.5	1	04/09/18 18:23	04/12/18 18:23	83-32-9	
Acenaphthylene	<80.5	ug/kg	80.5	1	04/09/18 18:23	04/12/18 18:23	208-96-8	
Acetophenone	<80.5	ug/kg	80.5	1	04/09/18 18:23	04/12/18 18:23	98-86-2	
Anthracene	<80.5	ug/kg	80.5	1	04/09/18 18:23	04/12/18 18:23	120-12-7	
Atrazine	<80.5	ug/kg	80.5	1	04/09/18 18:23	04/12/18 18:23	1912-24-9	
Benzaldehyde	<80.5	ug/kg	80.5	1	04/09/18 18:23	04/12/18 18:23	100-52-7	CL,L2
Benzo(a)anthracene	<80.5	ug/kg	80.5	1	04/09/18 18:23	04/12/18 18:23	56-55-3	
Benzo(a)pyrene	<80.5	ug/kg	80.5	1	04/09/18 18:23	04/12/18 18:23	50-32-8	
Benzo(b)fluoranthene	<80.5	ug/kg	80.5	1	04/09/18 18:23	04/12/18 18:23	205-99-2	
Benzo(g,h,i)perylene	<80.5	ug/kg	80.5	1	04/09/18 18:23	04/12/18 18:23	191-24-2	
Benzo(k)fluoranthene	<80.5	ug/kg	80.5	1	04/09/18 18:23	04/12/18 18:23	207-08-9	
Biphenyl (Diphenyl)	<80.5	ug/kg	80.5	1	04/09/18 18:23	04/12/18 18:23	92-52-4	
Butylbenzylphthalate	<80.5	ug/kg	80.5	1	04/09/18 18:23	04/12/18 18:23	85-68-7	
Caprolactam	<80.5	ug/kg	80.5	1	04/09/18 18:23	04/12/18 18:23	105-60-2	
Carbazole	<80.5	ug/kg	80.5	1	04/09/18 18:23	04/12/18 18:23	86-74-8	
Chrysene	<80.5	ug/kg	80.5	1	04/09/18 18:23	04/12/18 18:23	218-01-9	
Di-n-butylphthalate	<80.5	ug/kg	80.5	1	04/09/18 18:23	04/12/18 18:23	84-74-2	
Di-n-octylphthalate	<80.5	ug/kg	80.5	1	04/09/18 18:23	04/12/18 18:23	117-84-0	
Dibenz(a,h)anthracene	<80.5	ug/kg	80.5	1	04/09/18 18:23	04/12/18 18:23	53-70-3	
Dibenzofuran	<80.5	ug/kg	80.5	1	04/09/18 18:23	04/12/18 18:23	132-64-9	
Diethylphthalate	<80.5	ug/kg	80.5	1	04/09/18 18:23	04/12/18 18:23	84-66-2	
Dimethylphthalate	<80.5	ug/kg	80.5	1	04/09/18 18:23	04/12/18 18:23	131-11-3	
Fluoranthene	<80.5	ug/kg	80.5	1	04/09/18 18:23	04/12/18 18:23	206-44-0	
Fluorene	<80.5	ug/kg	80.5	1	04/09/18 18:23	04/12/18 18:23	86-73-7	
Hexachloro-1,3-butadiene	<80.5	ug/kg	80.5	1	04/09/18 18:23	04/12/18 18:23	87-68-3	
Hexachlorobenzene	<80.5	ug/kg	80.5	1	04/09/18 18:23	04/12/18 18:23	118-74-1	
Hexachlorocyclopentadiene	<397	ug/kg	397	1	04/09/18 18:23	04/12/18 18:23	77-47-4	CL

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: COYNE TEXTILE FACILITY 4/5

Pace Project No.: 7047482

Sample: SOIL-113 **Lab ID: 7047482004** Collected: 04/05/18 11:40 Received: 04/06/18 09:40 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Analytical Method: EPA 8270D Preparation Method: EPA 3545A								
Hexachloroethane	<80.5	ug/kg	80.5	1	04/09/18 18:23	04/12/18 18:23	67-72-1	
Indeno(1,2,3-cd)pyrene	<80.5	ug/kg	80.5	1	04/09/18 18:23	04/12/18 18:23	193-39-5	
Isophorone	<80.5	ug/kg	80.5	1	04/09/18 18:23	04/12/18 18:23	78-59-1	
N-Nitroso-di-n-propylamine	<80.5	ug/kg	80.5	1	04/09/18 18:23	04/12/18 18:23	621-64-7	
N-Nitrosodiphenylamine	<80.5	ug/kg	80.5	1	04/09/18 18:23	04/12/18 18:23	86-30-6	
Naphthalene	<80.5	ug/kg	80.5	1	04/09/18 18:23	04/12/18 18:23	91-20-3	
Nitrobenzene	<80.5	ug/kg	80.5	1	04/09/18 18:23	04/12/18 18:23	98-95-3	
Pentachlorophenol	<805	ug/kg	805	1	04/09/18 18:23	04/12/18 18:23	87-86-5	
Phenanthrene	<80.5	ug/kg	80.5	1	04/09/18 18:23	04/12/18 18:23	85-01-8	
Phenol	<80.5	ug/kg	80.5	1	04/09/18 18:23	04/12/18 18:23	108-95-2	
Pyrene	<80.5	ug/kg	80.5	1	04/09/18 18:23	04/12/18 18:23	129-00-0	
bis(2-Chloroethoxy)methane	<80.5	ug/kg	80.5	1	04/09/18 18:23	04/12/18 18:23	111-91-1	
bis(2-Chloroethyl) ether	<80.5	ug/kg	80.5	1	04/09/18 18:23	04/12/18 18:23	111-44-4	
bis(2-Ethylhexyl)phthalate	<80.5	ug/kg	80.5	1	04/09/18 18:23	04/12/18 18:23	117-81-7	
Surrogates								
Nitrobenzene-d5 (S)	57	%	23-120	1	04/09/18 18:23	04/12/18 18:23	4165-60-0	
2-Fluorobiphenyl (S)	73	%	30-115	1	04/09/18 18:23	04/12/18 18:23	321-60-8	
p-Terphenyl-d14 (S)	98	%	18-137	1	04/09/18 18:23	04/12/18 18:23	1718-51-0	
Phenol-d5 (S)	60	%	24-113	1	04/09/18 18:23	04/12/18 18:23	4165-62-2	
2-Fluorophenol (S)	53	%	25-121	1	04/09/18 18:23	04/12/18 18:23	367-12-4	
2,4,6-Tribromophenol (S)	69	%	19-122	1	04/09/18 18:23	04/12/18 18:23	118-79-6	
2-Chlorophenol-d4 (S)	61	%	20-130	1	04/09/18 18:23	04/12/18 18:23	93951-73-6	
1,2-Dichlorobenzene-d4 (S)	54	%	20-130	1	04/09/18 18:23	04/12/18 18:23	2199-69-1	
8260C MSV 5035A-L Low Level Analytical Method: EPA 8260C Preparation Method: EPA 5035A-L								
1,1,1-Trichloroethane	<1.8	ug/kg	1.8	1	04/14/18 10:55	04/14/18 19:25	71-55-6	
1,1,2,2-Tetrachloroethane	<1.8	ug/kg	1.8	1	04/14/18 10:55	04/14/18 19:25	79-34-5	
1,1,2-Trichloroethane	<1.8	ug/kg	1.8	1	04/14/18 10:55	04/14/18 19:25	79-00-5	L1
1,1,2-Trichlorotrifluoroethane	<1.8	ug/kg	1.8	1	04/14/18 10:55	04/14/18 19:25	76-13-1	
1,1-Dichloroethane	<1.8	ug/kg	1.8	1	04/14/18 10:55	04/14/18 19:25	75-34-3	
1,1-Dichloroethene	<1.8	ug/kg	1.8	1	04/14/18 10:55	04/14/18 19:25	75-35-4	
1,2,4-Trichlorobenzene	<1.8	ug/kg	1.8	1	04/14/18 10:55	04/14/18 19:25	120-82-1	
1,2-Dibromo-3-chloropropane	<1.8	ug/kg	1.8	1	04/14/18 10:55	04/14/18 19:25	96-12-8	
1,2-Dibromoethane (EDB)	<1.8	ug/kg	1.8	1	04/14/18 10:55	04/14/18 19:25	106-93-4	L1
1,2-Dichlorobenzene	<1.8	ug/kg	1.8	1	04/14/18 10:55	04/14/18 19:25	95-50-1	
1,2-Dichloroethane	<1.8	ug/kg	1.8	1	04/14/18 10:55	04/14/18 19:25	107-06-2	
1,2-Dichloropropane	<1.8	ug/kg	1.8	1	04/14/18 10:55	04/14/18 19:25	78-87-5	
1,3-Dichlorobenzene	<1.8	ug/kg	1.8	1	04/14/18 10:55	04/14/18 19:25	541-73-1	
1,4-Dichlorobenzene	<1.8	ug/kg	1.8	1	04/14/18 10:55	04/14/18 19:25	106-46-7	
2-Butanone (MEK)	25.1	ug/kg	1.8	1	04/14/18 10:55	04/14/18 19:25	78-93-3	
2-Hexanone	<1.8	ug/kg	1.8	1	04/14/18 10:55	04/14/18 19:25	591-78-6	
4-Methyl-2-pentanone (MIBK)	<1.8	ug/kg	1.8	1	04/14/18 10:55	04/14/18 19:25	108-10-1	L1
Acetone	90.2	ug/kg	1.8	1	04/14/18 10:55	04/14/18 19:25	67-64-1	IH
Benzene	<1.8	ug/kg	1.8	1	04/14/18 10:55	04/14/18 19:25	71-43-2	
Bromodichloromethane	<1.8	ug/kg	1.8	1	04/14/18 10:55	04/14/18 19:25	75-27-4	
Bromoform	<1.8	ug/kg	1.8	1	04/14/18 10:55	04/14/18 19:25	75-25-2	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: COYNE TEXTILE FACILITY 4/5

Pace Project No.: 7047482

Sample: SOIL-113 **Lab ID: 7047482004** Collected: 04/05/18 11:40 Received: 04/06/18 09:40 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260C MSV 5035A-L Low Level		Analytical Method: EPA 8260C Preparation Method: EPA 5035A-L						
Bromomethane	<1.8	ug/kg	1.8	1	04/14/18 10:55	04/14/18 19:25	74-83-9	
Carbon disulfide	1.9	ug/kg	1.8	1	04/14/18 10:55	04/14/18 19:25	75-15-0	
Carbon tetrachloride	<1.8	ug/kg	1.8	1	04/14/18 10:55	04/14/18 19:25	56-23-5	
Chlorobenzene	<1.8	ug/kg	1.8	1	04/14/18 10:55	04/14/18 19:25	108-90-7	
Chloroethane	<1.8	ug/kg	1.8	1	04/14/18 10:55	04/14/18 19:25	75-00-3	
Chloroform	<1.8	ug/kg	1.8	1	04/14/18 10:55	04/14/18 19:25	67-66-3	
Chloromethane	<1.8	ug/kg	1.8	1	04/14/18 10:55	04/14/18 19:25	74-87-3	
Cyclohexane	<1.8	ug/kg	1.8	1	04/14/18 10:55	04/14/18 19:25	110-82-7	
Dibromochloromethane	<1.8	ug/kg	1.8	1	04/14/18 10:55	04/14/18 19:25	124-48-1	
Dichlorodifluoromethane	<1.8	ug/kg	1.8	1	04/14/18 10:55	04/14/18 19:25	75-71-8	CL
Ethylbenzene	<1.8	ug/kg	1.8	1	04/14/18 10:55	04/14/18 19:25	100-41-4	
Isopropylbenzene (Cumene)	<1.8	ug/kg	1.8	1	04/14/18 10:55	04/14/18 19:25	98-82-8	
Methyl acetate	<1.8	ug/kg	1.8	1	04/14/18 10:55	04/14/18 19:25	79-20-9	
Methyl-tert-butyl ether	<1.8	ug/kg	1.8	1	04/14/18 10:55	04/14/18 19:25	1634-04-4	
Methylcyclohexane	<1.8	ug/kg	1.8	1	04/14/18 10:55	04/14/18 19:25	108-87-2	
Methylene Chloride	<1.8	ug/kg	1.8	1	04/14/18 10:55	04/14/18 19:25	75-09-2	
Styrene	<1.8	ug/kg	1.8	1	04/14/18 10:55	04/14/18 19:25	100-42-5	
Tetrachloroethene	<1.8	ug/kg	1.8	1	04/14/18 10:55	04/14/18 19:25	127-18-4	
Toluene	<1.8	ug/kg	1.8	1	04/14/18 10:55	04/14/18 19:25	108-88-3	L1
Trichloroethene	<1.8	ug/kg	1.8	1	04/14/18 10:55	04/14/18 19:25	79-01-6	
Trichlorofluoromethane	<1.8	ug/kg	1.8	1	04/14/18 10:55	04/14/18 19:25	75-69-4	
Vinyl chloride	<1.8	ug/kg	1.8	1	04/14/18 10:55	04/14/18 19:25	75-01-4	
Xylene (Total)	<3.7	ug/kg	3.7	1	04/14/18 10:55	04/14/18 19:25	1330-20-7	
cis-1,2-Dichloroethene	<1.8	ug/kg	1.8	1	04/14/18 10:55	04/14/18 19:25	156-59-2	
cis-1,3-Dichloropropene	<1.8	ug/kg	1.8	1	04/14/18 10:55	04/14/18 19:25	10061-01-5	
trans-1,2-Dichloroethene	<1.8	ug/kg	1.8	1	04/14/18 10:55	04/14/18 19:25	156-60-5	CL
trans-1,3-Dichloropropene	<1.8	ug/kg	1.8	1	04/14/18 10:55	04/14/18 19:25	10061-02-6	L1
Surrogates								
Toluene-d8 (S)	92	%	43-157	1	04/14/18 10:55	04/14/18 19:25	2037-26-5	
4-Bromofluorobenzene (S)	88	%	34-145	1	04/14/18 10:55	04/14/18 19:25	460-00-4	
1,2-Dichloroethane-d4 (S)	104	%	33-150	1	04/14/18 10:55	04/14/18 19:25	17060-07-0	

Percent Moisture

Analytical Method: ASTM D2216-92M

Percent Moisture	16.8	%	0.10	1		04/07/18 00:50		
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REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: COYNE TEXTILE FACILITY 4/5

Pace Project No.: 7047482

Sample: **SOIL-100** Lab ID: **7047482005** Collected: 04/05/18 12:00 Received: 04/06/18 09:40 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8082 GCS PCB Analytical Method: EPA 8082A Preparation Method: EPA 3546								
PCB-1016 (Aroclor 1016)	<42.1	ug/kg	42.1	1	04/18/18 11:30	04/18/18 17:09	12674-11-2	
PCB-1221 (Aroclor 1221)	<85.5	ug/kg	85.5	1	04/18/18 11:30	04/18/18 17:09	11104-28-2	
PCB-1232 (Aroclor 1232)	<42.1	ug/kg	42.1	1	04/18/18 11:30	04/18/18 17:09	11141-16-5	
PCB-1242 (Aroclor 1242)	<42.1	ug/kg	42.1	1	04/18/18 11:30	04/18/18 17:09	53469-21-9	
PCB-1248 (Aroclor 1248)	<42.1	ug/kg	42.1	1	04/18/18 11:30	04/18/18 17:09	12672-29-6	
PCB-1254 (Aroclor 1254)	<42.1	ug/kg	42.1	1	04/18/18 11:30	04/18/18 17:09	11097-69-1	
PCB-1260 (Aroclor 1260)	<42.1	ug/kg	42.1	1	04/18/18 11:30	04/18/18 17:09	11096-82-5	
Surrogates								
Tetrachloro-m-xylene (S)	60	%	30-150	1	04/18/18 11:30	04/18/18 17:09	877-09-8	
Decachlorobiphenyl (S)	75	%	30-150	1	04/18/18 11:30	04/18/18 17:09	2051-24-3	
6010 MET ICP Analytical Method: EPA 6010C Preparation Method: EPA 3050B								
Aluminum	6110	mg/kg	12.5	1	04/09/18 11:14	04/11/18 04:28	7429-90-5	1j,M1
Antimony	<3.8	mg/kg	3.8	1	04/09/18 11:14	04/11/18 04:28	7440-36-0	M1
Arsenic	6.5	mg/kg	0.63	1	04/09/18 11:14	04/11/18 04:28	7440-38-2	
Barium	49.3	mg/kg	12.5	1	04/09/18 11:14	04/11/18 04:28	7440-39-3	
Beryllium	<0.31	mg/kg	0.31	1	04/09/18 11:14	04/11/18 04:28	7440-41-7	
Cadmium	0.36	mg/kg	0.16	1	04/09/18 11:14	04/11/18 04:28	7440-43-9	
Calcium	53600	mg/kg	62.6	1	04/09/18 11:14	04/11/18 04:28	7440-70-2	M1
Chromium	11.4	mg/kg	0.63	1	04/09/18 11:14	04/11/18 04:28	7440-47-3	
Cobalt	6.0	mg/kg	3.1	1	04/09/18 11:14	04/11/18 04:28	7440-48-4	
Copper	7.0	mg/kg	1.6	1	04/09/18 11:14	04/11/18 04:28	7440-50-8	
Iron	13900	mg/kg	6.3	1	04/09/18 11:14	04/11/18 04:28	7439-89-6	M1
Lead	5.9	mg/kg	0.31	1	04/09/18 11:14	04/11/18 04:28	7439-92-1	
Magnesium	9990	mg/kg	62.6	1	04/09/18 11:14	04/11/18 04:28	7439-95-4	
Manganese	192	mg/kg	0.94	1	04/09/18 11:14	04/11/18 04:28	7439-96-5	M1
Nickel	15.5	mg/kg	2.5	1	04/09/18 11:14	04/11/18 04:28	7440-02-0	
Potassium	852	mg/kg	313	1	04/09/18 11:14	04/11/18 04:28	7440-09-7	
Selenium	<0.63	mg/kg	0.63	1	04/09/18 11:14	04/11/18 04:28	7782-49-2	
Silver	<0.63	mg/kg	0.63	1	04/09/18 11:14	04/11/18 04:28	7440-22-4	
Sodium	<313	mg/kg	313	1	04/09/18 11:14	04/11/18 04:28	7440-23-5	
Thallium	<0.63	mg/kg	0.63	1	04/09/18 11:14	04/11/18 04:28	7440-28-0	
Vanadium	10.3	mg/kg	3.1	1	04/09/18 11:14	04/11/18 04:28	7440-62-2	
Zinc	33.4	mg/kg	1.3	1	04/09/18 11:14	04/11/18 04:28	7440-66-6	
7471 Mercury Analytical Method: EPA 7471B Preparation Method: EPA 7471B								
Mercury	<0.046	mg/kg	0.046	1	04/09/18 13:02	04/10/18 14:00	7439-97-6	
8270 MSSV Analytical Method: EPA 8270D Preparation Method: EPA 3545A								
1,2,4-Trichlorobenzene	<85.6	ug/kg	85.6	1	04/09/18 18:23	04/12/18 18:50	120-82-1	
2,2'-Oxybis(1-chloropropane)	<85.6	ug/kg	85.6	1	04/09/18 18:23	04/12/18 18:50	108-60-1	
2,4,5-Trichlorophenol	<85.6	ug/kg	85.6	1	04/09/18 18:23	04/12/18 18:50	95-95-4	
2,4,6-Trichlorophenol	<85.6	ug/kg	85.6	1	04/09/18 18:23	04/12/18 18:50	88-06-2	
2,4-Dichlorophenol	<85.6	ug/kg	85.6	1	04/09/18 18:23	04/12/18 18:50	120-83-2	
2,4-Dimethylphenol	<85.6	ug/kg	85.6	1	04/09/18 18:23	04/12/18 18:50	105-67-9	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: COYNE TEXTILE FACILITY 4/5

Pace Project No.: 7047482

Sample: **SOIL-100** Lab ID: **7047482005** Collected: 04/05/18 12:00 Received: 04/06/18 09:40 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV								
Analytical Method: EPA 8270D Preparation Method: EPA 3545A								
2,4-Dinitrophenol	<856	ug/kg	856	1	04/09/18 18:23	04/12/18 18:50	51-28-5	
2,4-Dinitrotoluene	<421	ug/kg	421	1	04/09/18 18:23	04/12/18 18:50	121-14-2	
2,6-Dinitrotoluene	<421	ug/kg	421	1	04/09/18 18:23	04/12/18 18:50	606-20-2	
2-Chloronaphthalene	<85.6	ug/kg	85.6	1	04/09/18 18:23	04/12/18 18:50	91-58-7	
2-Chlorophenol	<85.6	ug/kg	85.6	1	04/09/18 18:23	04/12/18 18:50	95-57-8	
2-Methylnaphthalene	<85.6	ug/kg	85.6	1	04/09/18 18:23	04/12/18 18:50	91-57-6	
2-Methylphenol(o-Cresol)	<85.6	ug/kg	85.6	1	04/09/18 18:23	04/12/18 18:50	95-48-7	
2-Nitroaniline	<421	ug/kg	421	1	04/09/18 18:23	04/12/18 18:50	88-74-4	
2-Nitrophenol	<421	ug/kg	421	1	04/09/18 18:23	04/12/18 18:50	88-75-5	
3&4-Methylphenol(m&p Cresol)	<85.6	ug/kg	85.6	1	04/09/18 18:23	04/12/18 18:50		
3,3'-Dichlorobenzidine	<421	ug/kg	421	1	04/09/18 18:23	04/12/18 18:50	91-94-1	M1,R1
3-Nitroaniline	<421	ug/kg	421	1	04/09/18 18:23	04/12/18 18:50	99-09-2	
4,6-Dinitro-2-methylphenol	<856	ug/kg	856	1	04/09/18 18:23	04/12/18 18:50	534-52-1	
4-Bromophenylphenyl ether	<85.6	ug/kg	85.6	1	04/09/18 18:23	04/12/18 18:50	101-55-3	
4-Chloro-3-methylphenol	<85.6	ug/kg	85.6	1	04/09/18 18:23	04/12/18 18:50	59-50-7	
4-Chloroaniline	<421	ug/kg	421	1	04/09/18 18:23	04/12/18 18:50	106-47-8	
4-Chlorophenylphenyl ether	<85.6	ug/kg	85.6	1	04/09/18 18:23	04/12/18 18:50	7005-72-3	
4-Nitroaniline	<421	ug/kg	421	1	04/09/18 18:23	04/12/18 18:50	100-01-6	L2
4-Nitrophenol	<856	ug/kg	856	1	04/09/18 18:23	04/12/18 18:50	100-02-7	M1
Acenaphthene	<85.6	ug/kg	85.6	1	04/09/18 18:23	04/12/18 18:50	83-32-9	
Acenaphthylene	<85.6	ug/kg	85.6	1	04/09/18 18:23	04/12/18 18:50	208-96-8	
Acetophenone	<85.6	ug/kg	85.6	1	04/09/18 18:23	04/12/18 18:50	98-86-2	
Anthracene	<85.6	ug/kg	85.6	1	04/09/18 18:23	04/12/18 18:50	120-12-7	
Atrazine	<85.6	ug/kg	85.6	1	04/09/18 18:23	04/12/18 18:50	1912-24-9	
Benzaldehyde	<85.6	ug/kg	85.6	1	04/09/18 18:23	04/12/18 18:50	100-52-7	CL,L2
Benzo(a)anthracene	<85.6	ug/kg	85.6	1	04/09/18 18:23	04/12/18 18:50	56-55-3	
Benzo(a)pyrene	<85.6	ug/kg	85.6	1	04/09/18 18:23	04/12/18 18:50	50-32-8	
Benzo(b)fluoranthene	<85.6	ug/kg	85.6	1	04/09/18 18:23	04/12/18 18:50	205-99-2	
Benzo(g,h,i)perylene	<85.6	ug/kg	85.6	1	04/09/18 18:23	04/12/18 18:50	191-24-2	
Benzo(k)fluoranthene	<85.6	ug/kg	85.6	1	04/09/18 18:23	04/12/18 18:50	207-08-9	
Biphenyl (Diphenyl)	<85.6	ug/kg	85.6	1	04/09/18 18:23	04/12/18 18:50	92-52-4	
Butylbenzylphthalate	<85.6	ug/kg	85.6	1	04/09/18 18:23	04/12/18 18:50	85-68-7	
Caprolactam	<85.6	ug/kg	85.6	1	04/09/18 18:23	04/12/18 18:50	105-60-2	
Carbazole	<85.6	ug/kg	85.6	1	04/09/18 18:23	04/12/18 18:50	86-74-8	
Chrysene	<85.6	ug/kg	85.6	1	04/09/18 18:23	04/12/18 18:50	218-01-9	
Di-n-butylphthalate	<85.6	ug/kg	85.6	1	04/09/18 18:23	04/12/18 18:50	84-74-2	
Di-n-octylphthalate	<85.6	ug/kg	85.6	1	04/09/18 18:23	04/12/18 18:50	117-84-0	
Dibenz(a,h)anthracene	<85.6	ug/kg	85.6	1	04/09/18 18:23	04/12/18 18:50	53-70-3	
Dibenzofuran	<85.6	ug/kg	85.6	1	04/09/18 18:23	04/12/18 18:50	132-64-9	
Diethylphthalate	<85.6	ug/kg	85.6	1	04/09/18 18:23	04/12/18 18:50	84-66-2	
Dimethylphthalate	<85.6	ug/kg	85.6	1	04/09/18 18:23	04/12/18 18:50	131-11-3	
Fluoranthene	<85.6	ug/kg	85.6	1	04/09/18 18:23	04/12/18 18:50	206-44-0	
Fluorene	<85.6	ug/kg	85.6	1	04/09/18 18:23	04/12/18 18:50	86-73-7	
Hexachloro-1,3-butadiene	<85.6	ug/kg	85.6	1	04/09/18 18:23	04/12/18 18:50	87-68-3	
Hexachlorobenzene	<85.6	ug/kg	85.6	1	04/09/18 18:23	04/12/18 18:50	118-74-1	
Hexachlorocyclopentadiene	<421	ug/kg	421	1	04/09/18 18:23	04/12/18 18:50	77-47-4	CL,M1

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: COYNE TEXTILE FACILITY 4/5

Pace Project No.: 7047482

Sample: SOIL-100 **Lab ID: 7047482005** Collected: 04/05/18 12:00 Received: 04/06/18 09:40 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Analytical Method: EPA 8270D Preparation Method: EPA 3545A								
Hexachloroethane	<85.6	ug/kg	85.6	1	04/09/18 18:23	04/12/18 18:50	67-72-1	
Indeno(1,2,3-cd)pyrene	<85.6	ug/kg	85.6	1	04/09/18 18:23	04/12/18 18:50	193-39-5	
Isophorone	<85.6	ug/kg	85.6	1	04/09/18 18:23	04/12/18 18:50	78-59-1	
N-Nitroso-di-n-propylamine	<85.6	ug/kg	85.6	1	04/09/18 18:23	04/12/18 18:50	621-64-7	
N-Nitrosodiphenylamine	<85.6	ug/kg	85.6	1	04/09/18 18:23	04/12/18 18:50	86-30-6	
Naphthalene	<85.6	ug/kg	85.6	1	04/09/18 18:23	04/12/18 18:50	91-20-3	
Nitrobenzene	<85.6	ug/kg	85.6	1	04/09/18 18:23	04/12/18 18:50	98-95-3	
Pentachlorophenol	<85.6	ug/kg	85.6	1	04/09/18 18:23	04/12/18 18:50	87-86-5	M1
Phenanthrene	<85.6	ug/kg	85.6	1	04/09/18 18:23	04/12/18 18:50	85-01-8	
Phenol	<85.6	ug/kg	85.6	1	04/09/18 18:23	04/12/18 18:50	108-95-2	
Pyrene	<85.6	ug/kg	85.6	1	04/09/18 18:23	04/12/18 18:50	129-00-0	
bis(2-Chloroethoxy)methane	<85.6	ug/kg	85.6	1	04/09/18 18:23	04/12/18 18:50	111-91-1	
bis(2-Chloroethyl) ether	<85.6	ug/kg	85.6	1	04/09/18 18:23	04/12/18 18:50	111-44-4	
bis(2-Ethylhexyl)phthalate	<85.6	ug/kg	85.6	1	04/09/18 18:23	04/12/18 18:50	117-81-7	
Surrogates								
Nitrobenzene-d5 (S)	36	%	23-120	1	04/09/18 18:23	04/12/18 18:50	4165-60-0	
2-Fluorobiphenyl (S)	54	%	30-115	1	04/09/18 18:23	04/12/18 18:50	321-60-8	
p-Terphenyl-d14 (S)	83	%	18-137	1	04/09/18 18:23	04/12/18 18:50	1718-51-0	
Phenol-d5 (S)	43	%	24-113	1	04/09/18 18:23	04/12/18 18:50	4165-62-2	
2-Fluorophenol (S)	40	%	25-121	1	04/09/18 18:23	04/12/18 18:50	367-12-4	
2,4,6-Tribromophenol (S)	48	%	19-122	1	04/09/18 18:23	04/12/18 18:50	118-79-6	
2-Chlorophenol-d4 (S)	41	%	20-130	1	04/09/18 18:23	04/12/18 18:50	93951-73-6	
1,2-Dichlorobenzene-d4 (S)	45	%	20-130	1	04/09/18 18:23	04/12/18 18:50	2199-69-1	
8260C MSV 5035A-L Low Level Analytical Method: EPA 8260C Preparation Method: EPA 5035A-L								
1,1,1-Trichloroethane	<1.7	ug/kg	1.7	1	04/13/18 08:11	04/13/18 12:17	71-55-6	
1,1,2,2-Tetrachloroethane	<1.7	ug/kg	1.7	1	04/13/18 08:11	04/13/18 12:17	79-34-5	
1,1,2-Trichloroethane	<1.7	ug/kg	1.7	1	04/13/18 08:11	04/13/18 12:17	79-00-5	
1,1,2-Trichlorotrifluoroethane	<1.7	ug/kg	1.7	1	04/13/18 08:11	04/13/18 12:17	76-13-1	CL
1,1-Dichloroethane	<1.7	ug/kg	1.7	1	04/13/18 08:11	04/13/18 12:17	75-34-3	
1,1-Dichloroethene	<1.7	ug/kg	1.7	1	04/13/18 08:11	04/13/18 12:17	75-35-4	
1,2,4-Trichlorobenzene	<1.7	ug/kg	1.7	1	04/13/18 08:11	04/13/18 12:17	120-82-1	M1,R1
1,2-Dibromo-3-chloropropane	<1.7	ug/kg	1.7	1	04/13/18 08:11	04/13/18 12:17	96-12-8	
1,2-Dibromoethane (EDB)	<1.7	ug/kg	1.7	1	04/13/18 08:11	04/13/18 12:17	106-93-4	
1,2-Dichlorobenzene	<1.7	ug/kg	1.7	1	04/13/18 08:11	04/13/18 12:17	95-50-1	
1,2-Dichloroethane	<1.7	ug/kg	1.7	1	04/13/18 08:11	04/13/18 12:17	107-06-2	
1,2-Dichloropropane	<1.7	ug/kg	1.7	1	04/13/18 08:11	04/13/18 12:17	78-87-5	
1,3-Dichlorobenzene	<1.7	ug/kg	1.7	1	04/13/18 08:11	04/13/18 12:17	541-73-1	
1,4-Dichlorobenzene	<1.7	ug/kg	1.7	1	04/13/18 08:11	04/13/18 12:17	106-46-7	
2-Butanone (MEK)	<1.7	ug/kg	1.7	1	04/13/18 08:11	04/13/18 12:17	78-93-3	
2-Hexanone	<1.7	ug/kg	1.7	1	04/13/18 08:11	04/13/18 12:17	591-78-6	
4-Methyl-2-pentanone (MIBK)	<1.7	ug/kg	1.7	1	04/13/18 08:11	04/13/18 12:17	108-10-1	
Acetone	18.8	ug/kg	1.7	1	04/13/18 08:11	04/13/18 12:17	67-64-1	IH,M1
Benzene	30.4	ug/kg	1.7	1	04/13/18 08:11	04/13/18 12:17	71-43-2	M1
Bromodichloromethane	<1.7	ug/kg	1.7	1	04/13/18 08:11	04/13/18 12:17	75-27-4	
Bromoform	<1.7	ug/kg	1.7	1	04/13/18 08:11	04/13/18 12:17	75-25-2	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: COYNE TEXTILE FACILITY 4/5
Pace Project No.: 7047482

Sample: SOIL-100 **Lab ID: 7047482005** Collected: 04/05/18 12:00 Received: 04/06/18 09:40 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260C MSV 5035A-L Low Level		Analytical Method: EPA 8260C Preparation Method: EPA 5035A-L						
Bromomethane	<1.7	ug/kg	1.7	1	04/13/18 08:11	04/13/18 12:17	74-83-9	
Carbon disulfide	<1.7	ug/kg	1.7	1	04/13/18 08:11	04/13/18 12:17	75-15-0	
Carbon tetrachloride	<1.7	ug/kg	1.7	1	04/13/18 08:11	04/13/18 12:17	56-23-5	
Chlorobenzene	<1.7	ug/kg	1.7	1	04/13/18 08:11	04/13/18 12:17	108-90-7	
Chloroethane	<1.7	ug/kg	1.7	1	04/13/18 08:11	04/13/18 12:17	75-00-3	
Chloroform	<1.7	ug/kg	1.7	1	04/13/18 08:11	04/13/18 12:17	67-66-3	
Chloromethane	<1.7	ug/kg	1.7	1	04/13/18 08:11	04/13/18 12:17	74-87-3	CL
Cyclohexane	1.8	ug/kg	1.7	1	04/13/18 08:11	04/13/18 12:17	110-82-7	
Dibromochloromethane	<1.7	ug/kg	1.7	1	04/13/18 08:11	04/13/18 12:17	124-48-1	
Dichlorodifluoromethane	<1.7	ug/kg	1.7	1	04/13/18 08:11	04/13/18 12:17	75-71-8	CL
Ethylbenzene	<1.7	ug/kg	1.7	1	04/13/18 08:11	04/13/18 12:17	100-41-4	
Isopropylbenzene (Cumene)	<1.7	ug/kg	1.7	1	04/13/18 08:11	04/13/18 12:17	98-82-8	
Methyl acetate	<1.7	ug/kg	1.7	1	04/13/18 08:11	04/13/18 12:17	79-20-9	
Methyl-tert-butyl ether	<1.7	ug/kg	1.7	1	04/13/18 08:11	04/13/18 12:17	1634-04-4	
Methylcyclohexane	2.1	ug/kg	1.7	1	04/13/18 08:11	04/13/18 12:17	108-87-2	
Methylene Chloride	<1.7	ug/kg	1.7	1	04/13/18 08:11	04/13/18 12:17	75-09-2	
Styrene	<1.7	ug/kg	1.7	1	04/13/18 08:11	04/13/18 12:17	100-42-5	
Tetrachloroethene	<1.7	ug/kg	1.7	1	04/13/18 08:11	04/13/18 12:17	127-18-4	
Toluene	<1.7	ug/kg	1.7	1	04/13/18 08:11	04/13/18 12:17	108-88-3	
Trichloroethene	<1.7	ug/kg	1.7	1	04/13/18 08:11	04/13/18 12:17	79-01-6	
Trichlorofluoromethane	<1.7	ug/kg	1.7	1	04/13/18 08:11	04/13/18 12:17	75-69-4	
Vinyl chloride	<1.7	ug/kg	1.7	1	04/13/18 08:11	04/13/18 12:17	75-01-4	CL
Xylene (Total)	<3.5	ug/kg	3.5	1	04/13/18 08:11	04/13/18 12:17	1330-20-7	
cis-1,2-Dichloroethene	<1.7	ug/kg	1.7	1	04/13/18 08:11	04/13/18 12:17	156-59-2	
cis-1,3-Dichloropropene	<1.7	ug/kg	1.7	1	04/13/18 08:11	04/13/18 12:17	10061-01-5	
trans-1,2-Dichloroethene	<1.7	ug/kg	1.7	1	04/13/18 08:11	04/13/18 12:17	156-60-5	
trans-1,3-Dichloropropene	<1.7	ug/kg	1.7	1	04/13/18 08:11	04/13/18 12:17	10061-02-6	
Surrogates								
Toluene-d8 (S)	91	%	43-157	1	04/13/18 08:11	04/13/18 12:17	2037-26-5	
4-Bromofluorobenzene (S)	98	%	34-145	1	04/13/18 08:11	04/13/18 12:17	460-00-4	
1,2-Dichloroethane-d4 (S)	114	%	33-150	1	04/13/18 08:11	04/13/18 12:17	17060-07-0	

Percent Moisture Analytical Method: ASTM D2216-92M

Percent Moisture	22.1	%	0.10	1		04/07/18 00:51		
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REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: COYNE TEXTILE FACILITY 4/5

Project No.: 7047482

Sample: SOIL-109 **Lab ID: 7047482006** Collected: 04/05/18 14:10 Received: 04/06/18 09:40 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8082 GCS PCB Analytical Method: EPA 8082A Preparation Method: EPA 3546								
PCB-1016 (Aroclor 1016)	<39.1	ug/kg	39.1	1	04/10/18 20:18	04/14/18 06:46	12674-11-2	
PCB-1221 (Aroclor 1221)	<79.4	ug/kg	79.4	1	04/10/18 20:18	04/14/18 06:46	11104-28-2	
PCB-1232 (Aroclor 1232)	<39.1	ug/kg	39.1	1	04/10/18 20:18	04/14/18 06:46	11141-16-5	
PCB-1242 (Aroclor 1242)	<39.1	ug/kg	39.1	1	04/10/18 20:18	04/14/18 06:46	53469-21-9	
PCB-1248 (Aroclor 1248)	<39.1	ug/kg	39.1	1	04/10/18 20:18	04/14/18 06:46	12672-29-6	
PCB-1254 (Aroclor 1254)	<39.1	ug/kg	39.1	1	04/10/18 20:18	04/14/18 06:46	11097-69-1	
PCB-1260 (Aroclor 1260)	<39.1	ug/kg	39.1	1	04/10/18 20:18	04/14/18 06:46	11096-82-5	
Surrogates								
Tetrachloro-m-xylene (S)	71	%	30-150	1	04/10/18 20:18	04/14/18 06:46	877-09-8	
Decachlorobiphenyl (S)	87	%	30-150	1	04/10/18 20:18	04/14/18 06:46	2051-24-3	
6010 MET ICP Analytical Method: EPA 6010C Preparation Method: EPA 3050B								
Aluminum	6250	mg/kg	12.8	1	04/09/18 11:14	04/11/18 04:56	7429-90-5	
Antimony	<3.8	mg/kg	3.8	1	04/09/18 11:14	04/11/18 04:56	7440-36-0	
Arsenic	2.3	mg/kg	0.64	1	04/09/18 11:14	04/11/18 04:56	7440-38-2	
Barium	14.0	mg/kg	12.8	1	04/09/18 11:14	04/11/18 04:56	7440-39-3	
Beryllium	<0.32	mg/kg	0.32	1	04/09/18 11:14	04/11/18 04:56	7440-41-7	
Cadmium	<0.16	mg/kg	0.16	1	04/09/18 11:14	04/11/18 04:56	7440-43-9	
Calcium	1480	mg/kg	64.0	1	04/09/18 11:14	04/11/18 04:56	7440-70-2	
Chromium	11.9	mg/kg	0.64	1	04/09/18 11:14	04/11/18 04:56	7440-47-3	
Cobalt	7.3	mg/kg	3.2	1	04/09/18 11:14	04/11/18 04:56	7440-48-4	
Copper	4.1	mg/kg	1.6	1	04/09/18 11:14	04/11/18 04:56	7440-50-8	
Iron	13500	mg/kg	6.4	1	04/09/18 11:14	04/11/18 04:56	7439-89-6	
Lead	7.7	mg/kg	0.32	1	04/09/18 11:14	04/11/18 04:56	7439-92-1	
Magnesium	2820	mg/kg	64.0	1	04/09/18 11:14	04/11/18 04:56	7439-95-4	
Manganese	86.2	mg/kg	0.96	1	04/09/18 11:14	04/11/18 04:56	7439-96-5	
Nickel	18.1	mg/kg	2.6	1	04/09/18 11:14	04/11/18 04:56	7440-02-0	
Potassium	784	mg/kg	320	1	04/09/18 11:14	04/11/18 04:56	7440-09-7	
Selenium	<0.64	mg/kg	0.64	1	04/09/18 11:14	04/11/18 04:56	7782-49-2	
Silver	<0.64	mg/kg	0.64	1	04/09/18 11:14	04/11/18 04:56	7440-22-4	
Sodium	<320	mg/kg	320	1	04/09/18 11:14	04/11/18 04:56	7440-23-5	
Thallium	<0.64	mg/kg	0.64	1	04/09/18 11:14	04/11/18 04:56	7440-28-0	
Vanadium	10	mg/kg	3.2	1	04/09/18 11:14	04/11/18 04:56	7440-62-2	
Zinc	39.4	mg/kg	1.3	1	04/09/18 11:14	04/11/18 04:56	7440-66-6	
7471 Mercury Analytical Method: EPA 7471B Preparation Method: EPA 7471B								
Mercury	<0.049	mg/kg	0.049	1	04/09/18 13:02	04/10/18 14:05	7439-97-6	
8270 MSSV Analytical Method: EPA 8270D Preparation Method: EPA 3545A								
1,2,4-Trichlorobenzene	<79.4	ug/kg	79.4	1	04/09/18 18:23	04/12/18 21:07	120-82-1	
2,2'-Oxybis(1-chloropropane)	<79.4	ug/kg	79.4	1	04/09/18 18:23	04/12/18 21:07	108-60-1	
2,4,5-Trichlorophenol	<79.4	ug/kg	79.4	1	04/09/18 18:23	04/12/18 21:07	95-95-4	
2,4,6-Trichlorophenol	<79.4	ug/kg	79.4	1	04/09/18 18:23	04/12/18 21:07	88-06-2	
2,4-Dichlorophenol	<79.4	ug/kg	79.4	1	04/09/18 18:23	04/12/18 21:07	120-83-2	
2,4-Dimethylphenol	<79.4	ug/kg	79.4	1	04/09/18 18:23	04/12/18 21:07	105-67-9	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: COYNE TEXTILE FACILITY 4/5

Pace Project No.: 7047482

Sample: **SOIL-109** Lab ID: **7047482006** Collected: 04/05/18 14:10 Received: 04/06/18 09:40 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Analytical Method: EPA 8270D Preparation Method: EPA 3545A								
2,4-Dinitrophenol	<794	ug/kg	794	1	04/09/18 18:23	04/12/18 21:07	51-28-5	
2,4-Dinitrotoluene	<391	ug/kg	391	1	04/09/18 18:23	04/12/18 21:07	121-14-2	
2,6-Dinitrotoluene	<391	ug/kg	391	1	04/09/18 18:23	04/12/18 21:07	606-20-2	
2-Chloronaphthalene	<79.4	ug/kg	79.4	1	04/09/18 18:23	04/12/18 21:07	91-58-7	
2-Chlorophenol	<79.4	ug/kg	79.4	1	04/09/18 18:23	04/12/18 21:07	95-57-8	
2-Methylnaphthalene	<79.4	ug/kg	79.4	1	04/09/18 18:23	04/12/18 21:07	91-57-6	
2-Methylphenol(o-Cresol)	<79.4	ug/kg	79.4	1	04/09/18 18:23	04/12/18 21:07	95-48-7	
2-Nitroaniline	<391	ug/kg	391	1	04/09/18 18:23	04/12/18 21:07	88-74-4	
2-Nitrophenol	<391	ug/kg	391	1	04/09/18 18:23	04/12/18 21:07	88-75-5	
3&4-Methylphenol(m&p Cresol)	<79.4	ug/kg	79.4	1	04/09/18 18:23	04/12/18 21:07		
3,3'-Dichlorobenzidine	<391	ug/kg	391	1	04/09/18 18:23	04/12/18 21:07	91-94-1	
3-Nitroaniline	<391	ug/kg	391	1	04/09/18 18:23	04/12/18 21:07	99-09-2	
4,6-Dinitro-2-methylphenol	<794	ug/kg	794	1	04/09/18 18:23	04/12/18 21:07	534-52-1	
4-Bromophenylphenyl ether	<79.4	ug/kg	79.4	1	04/09/18 18:23	04/12/18 21:07	101-55-3	
4-Chloro-3-methylphenol	<79.4	ug/kg	79.4	1	04/09/18 18:23	04/12/18 21:07	59-50-7	
4-Chloroaniline	<391	ug/kg	391	1	04/09/18 18:23	04/12/18 21:07	106-47-8	
4-Chlorophenylphenyl ether	<79.4	ug/kg	79.4	1	04/09/18 18:23	04/12/18 21:07	7005-72-3	
4-Nitroaniline	<391	ug/kg	391	1	04/09/18 18:23	04/12/18 21:07	100-01-6	L2
4-Nitrophenol	<794	ug/kg	794	1	04/09/18 18:23	04/12/18 21:07	100-02-7	
Acenaphthene	<79.4	ug/kg	79.4	1	04/09/18 18:23	04/12/18 21:07	83-32-9	
Acenaphthylene	<79.4	ug/kg	79.4	1	04/09/18 18:23	04/12/18 21:07	208-96-8	
Acetophenone	<79.4	ug/kg	79.4	1	04/09/18 18:23	04/12/18 21:07	98-86-2	
Anthracene	<79.4	ug/kg	79.4	1	04/09/18 18:23	04/12/18 21:07	120-12-7	
Atrazine	<79.4	ug/kg	79.4	1	04/09/18 18:23	04/12/18 21:07	1912-24-9	
Benzaldehyde	<79.4	ug/kg	79.4	1	04/09/18 18:23	04/12/18 21:07	100-52-7	CL,L2
Benzo(a)anthracene	<79.4	ug/kg	79.4	1	04/09/18 18:23	04/12/18 21:07	56-55-3	
Benzo(a)pyrene	<79.4	ug/kg	79.4	1	04/09/18 18:23	04/12/18 21:07	50-32-8	
Benzo(b)fluoranthene	<79.4	ug/kg	79.4	1	04/09/18 18:23	04/12/18 21:07	205-99-2	
Benzo(g,h,i)perylene	<79.4	ug/kg	79.4	1	04/09/18 18:23	04/12/18 21:07	191-24-2	
Benzo(k)fluoranthene	<79.4	ug/kg	79.4	1	04/09/18 18:23	04/12/18 21:07	207-08-9	
Biphenyl (Diphenyl)	<79.4	ug/kg	79.4	1	04/09/18 18:23	04/12/18 21:07	92-52-4	
Butylbenzylphthalate	<79.4	ug/kg	79.4	1	04/09/18 18:23	04/12/18 21:07	85-68-7	
Caprolactam	<79.4	ug/kg	79.4	1	04/09/18 18:23	04/12/18 21:07	105-60-2	
Carbazole	<79.4	ug/kg	79.4	1	04/09/18 18:23	04/12/18 21:07	86-74-8	
Chrysene	<79.4	ug/kg	79.4	1	04/09/18 18:23	04/12/18 21:07	218-01-9	
Di-n-butylphthalate	<79.4	ug/kg	79.4	1	04/09/18 18:23	04/12/18 21:07	84-74-2	
Di-n-octylphthalate	<79.4	ug/kg	79.4	1	04/09/18 18:23	04/12/18 21:07	117-84-0	
Dibenz(a,h)anthracene	<79.4	ug/kg	79.4	1	04/09/18 18:23	04/12/18 21:07	53-70-3	
Dibenzofuran	<79.4	ug/kg	79.4	1	04/09/18 18:23	04/12/18 21:07	132-64-9	
Diethylphthalate	<79.4	ug/kg	79.4	1	04/09/18 18:23	04/12/18 21:07	84-66-2	
Dimethylphthalate	<79.4	ug/kg	79.4	1	04/09/18 18:23	04/12/18 21:07	131-11-3	
Fluoranthene	<79.4	ug/kg	79.4	1	04/09/18 18:23	04/12/18 21:07	206-44-0	
Fluorene	<79.4	ug/kg	79.4	1	04/09/18 18:23	04/12/18 21:07	86-73-7	
Hexachloro-1,3-butadiene	<79.4	ug/kg	79.4	1	04/09/18 18:23	04/12/18 21:07	87-68-3	
Hexachlorobenzene	<79.4	ug/kg	79.4	1	04/09/18 18:23	04/12/18 21:07	118-74-1	
Hexachlorocyclopentadiene	<391	ug/kg	391	1	04/09/18 18:23	04/12/18 21:07	77-47-4	CL

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: COYNE TEXTILE FACILITY 4/5

Sample Project No.: 7047482

Sample: SOIL-109 **Lab ID: 7047482006** Collected: 04/05/18 14:10 Received: 04/06/18 09:40 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Analytical Method: EPA 8270D Preparation Method: EPA 3545A								
Hexachloroethane	<79.4	ug/kg	79.4	1	04/09/18 18:23	04/12/18 21:07	67-72-1	
Indeno(1,2,3-cd)pyrene	<79.4	ug/kg	79.4	1	04/09/18 18:23	04/12/18 21:07	193-39-5	
Isophorone	<79.4	ug/kg	79.4	1	04/09/18 18:23	04/12/18 21:07	78-59-1	
N-Nitroso-di-n-propylamine	<79.4	ug/kg	79.4	1	04/09/18 18:23	04/12/18 21:07	621-64-7	
N-Nitrosodiphenylamine	<79.4	ug/kg	79.4	1	04/09/18 18:23	04/12/18 21:07	86-30-6	
Naphthalene	<79.4	ug/kg	79.4	1	04/09/18 18:23	04/12/18 21:07	91-20-3	
Nitrobenzene	<79.4	ug/kg	79.4	1	04/09/18 18:23	04/12/18 21:07	98-95-3	
Pentachlorophenol	<79.4	ug/kg	79.4	1	04/09/18 18:23	04/12/18 21:07	87-86-5	
Phenanthrene	<79.4	ug/kg	79.4	1	04/09/18 18:23	04/12/18 21:07	85-01-8	
Phenol	<79.4	ug/kg	79.4	1	04/09/18 18:23	04/12/18 21:07	108-95-2	
Pyrene	<79.4	ug/kg	79.4	1	04/09/18 18:23	04/12/18 21:07	129-00-0	
bis(2-Chloroethoxy)methane	<79.4	ug/kg	79.4	1	04/09/18 18:23	04/12/18 21:07	111-91-1	
bis(2-Chloroethyl) ether	<79.4	ug/kg	79.4	1	04/09/18 18:23	04/12/18 21:07	111-44-4	
bis(2-Ethylhexyl)phthalate	<79.4	ug/kg	79.4	1	04/09/18 18:23	04/12/18 21:07	117-81-7	
Surrogates								
Nitrobenzene-d5 (S)	37	%	23-120	1	04/09/18 18:23	04/12/18 21:07	4165-60-0	
2-Fluorobiphenyl (S)	55	%	30-115	1	04/09/18 18:23	04/12/18 21:07	321-60-8	
p-Terphenyl-d14 (S)	71	%	18-137	1	04/09/18 18:23	04/12/18 21:07	1718-51-0	
Phenol-d5 (S)	41	%	24-113	1	04/09/18 18:23	04/12/18 21:07	4165-62-2	
2-Fluorophenol (S)	38	%	25-121	1	04/09/18 18:23	04/12/18 21:07	367-12-4	
2,4,6-Tribromophenol (S)	35	%	19-122	1	04/09/18 18:23	04/12/18 21:07	118-79-6	
2-Chlorophenol-d4 (S)	40	%	20-130	1	04/09/18 18:23	04/12/18 21:07	93951-73-6	
1,2-Dichlorobenzene-d4 (S)	50	%	20-130	1	04/09/18 18:23	04/12/18 21:07	2199-69-1	
8260C MSV 5035A-L Low Level Analytical Method: EPA 8260C Preparation Method: EPA 5035A-L								
1,1,1-Trichloroethane	<1.5	ug/kg	1.5	1	04/14/18 10:55	04/14/18 19:50	71-55-6	
1,1,2,2-Tetrachloroethane	<1.5	ug/kg	1.5	1	04/14/18 10:55	04/14/18 19:50	79-34-5	
1,1,2-Trichloroethane	<1.5	ug/kg	1.5	1	04/14/18 10:55	04/14/18 19:50	79-00-5	L1
1,1,2-Trichlorotrifluoroethane	<1.5	ug/kg	1.5	1	04/14/18 10:55	04/14/18 19:50	76-13-1	
1,1-Dichloroethane	<1.5	ug/kg	1.5	1	04/14/18 10:55	04/14/18 19:50	75-34-3	
1,1-Dichloroethene	<1.5	ug/kg	1.5	1	04/14/18 10:55	04/14/18 19:50	75-35-4	
1,2,4-Trichlorobenzene	<1.5	ug/kg	1.5	1	04/14/18 10:55	04/14/18 19:50	120-82-1	
1,2-Dibromo-3-chloropropane	<1.5	ug/kg	1.5	1	04/14/18 10:55	04/14/18 19:50	96-12-8	
1,2-Dibromoethane (EDB)	<1.5	ug/kg	1.5	1	04/14/18 10:55	04/14/18 19:50	106-93-4	L1
1,2-Dichlorobenzene	<1.5	ug/kg	1.5	1	04/14/18 10:55	04/14/18 19:50	95-50-1	
1,2-Dichloroethane	<1.5	ug/kg	1.5	1	04/14/18 10:55	04/14/18 19:50	107-06-2	
1,2-Dichloropropane	<1.5	ug/kg	1.5	1	04/14/18 10:55	04/14/18 19:50	78-87-5	
1,3-Dichlorobenzene	<1.5	ug/kg	1.5	1	04/14/18 10:55	04/14/18 19:50	541-73-1	
1,4-Dichlorobenzene	<1.5	ug/kg	1.5	1	04/14/18 10:55	04/14/18 19:50	106-46-7	
2-Butanone (MEK)	<1.5	ug/kg	1.5	1	04/14/18 10:55	04/14/18 19:50	78-93-3	
2-Hexanone	<1.5	ug/kg	1.5	1	04/14/18 10:55	04/14/18 19:50	591-78-6	
4-Methyl-2-pentanone (MIBK)	<1.5	ug/kg	1.5	1	04/14/18 10:55	04/14/18 19:50	108-10-1	L1
Acetone	9.9	ug/kg	1.5	1	04/14/18 10:55	04/14/18 19:50	67-64-1	IH
Benzene	<1.5	ug/kg	1.5	1	04/14/18 10:55	04/14/18 19:50	71-43-2	
Bromodichloromethane	<1.5	ug/kg	1.5	1	04/14/18 10:55	04/14/18 19:50	75-27-4	
Bromoform	<1.5	ug/kg	1.5	1	04/14/18 10:55	04/14/18 19:50	75-25-2	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: COYNE TEXTILE FACILITY 4/5

Pace Project No.: 7047482

Sample: SOIL-109 **Lab ID: 7047482006** Collected: 04/05/18 14:10 Received: 04/06/18 09:40 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260C MSV 5035A-L Low Level		Analytical Method: EPA 8260C Preparation Method: EPA 5035A-L						
Bromomethane	<1.5	ug/kg	1.5	1	04/14/18 10:55	04/14/18 19:50	74-83-9	
Carbon disulfide	<1.5	ug/kg	1.5	1	04/14/18 10:55	04/14/18 19:50	75-15-0	
Carbon tetrachloride	<1.5	ug/kg	1.5	1	04/14/18 10:55	04/14/18 19:50	56-23-5	
Chlorobenzene	<1.5	ug/kg	1.5	1	04/14/18 10:55	04/14/18 19:50	108-90-7	
Chloroethane	<1.5	ug/kg	1.5	1	04/14/18 10:55	04/14/18 19:50	75-00-3	
Chloroform	<1.5	ug/kg	1.5	1	04/14/18 10:55	04/14/18 19:50	67-66-3	
Chloromethane	<1.5	ug/kg	1.5	1	04/14/18 10:55	04/14/18 19:50	74-87-3	
Cyclohexane	<1.5	ug/kg	1.5	1	04/14/18 10:55	04/14/18 19:50	110-82-7	
Dibromochloromethane	<1.5	ug/kg	1.5	1	04/14/18 10:55	04/14/18 19:50	124-48-1	
Dichlorodifluoromethane	<1.5	ug/kg	1.5	1	04/14/18 10:55	04/14/18 19:50	75-71-8	CL
Ethylbenzene	<1.5	ug/kg	1.5	1	04/14/18 10:55	04/14/18 19:50	100-41-4	
Isopropylbenzene (Cumene)	<1.5	ug/kg	1.5	1	04/14/18 10:55	04/14/18 19:50	98-82-8	
Methyl acetate	<1.5	ug/kg	1.5	1	04/14/18 10:55	04/14/18 19:50	79-20-9	
Methyl-tert-butyl ether	<1.5	ug/kg	1.5	1	04/14/18 10:55	04/14/18 19:50	1634-04-4	
Methylcyclohexane	<1.5	ug/kg	1.5	1	04/14/18 10:55	04/14/18 19:50	108-87-2	
Methylene Chloride	<1.5	ug/kg	1.5	1	04/14/18 10:55	04/14/18 19:50	75-09-2	
Styrene	<1.5	ug/kg	1.5	1	04/14/18 10:55	04/14/18 19:50	100-42-5	
Tetrachloroethene	<1.5	ug/kg	1.5	1	04/14/18 10:55	04/14/18 19:50	127-18-4	
Toluene	<1.5	ug/kg	1.5	1	04/14/18 10:55	04/14/18 19:50	108-88-3	L1
Trichloroethene	<1.5	ug/kg	1.5	1	04/14/18 10:55	04/14/18 19:50	79-01-6	
Trichlorofluoromethane	<1.5	ug/kg	1.5	1	04/14/18 10:55	04/14/18 19:50	75-69-4	
Vinyl chloride	<1.5	ug/kg	1.5	1	04/14/18 10:55	04/14/18 19:50	75-01-4	
Xylene (Total)	<3.1	ug/kg	3.1	1	04/14/18 10:55	04/14/18 19:50	1330-20-7	
cis-1,2-Dichloroethene	<1.5	ug/kg	1.5	1	04/14/18 10:55	04/14/18 19:50	156-59-2	
cis-1,3-Dichloropropene	<1.5	ug/kg	1.5	1	04/14/18 10:55	04/14/18 19:50	10061-01-5	
trans-1,2-Dichloroethene	<1.5	ug/kg	1.5	1	04/14/18 10:55	04/14/18 19:50	156-60-5	CL
trans-1,3-Dichloropropene	<1.5	ug/kg	1.5	1	04/14/18 10:55	04/14/18 19:50	10061-02-6	L1
Surrogates								
Toluene-d8 (S)	87	%	43-157	1	04/14/18 10:55	04/14/18 19:50	2037-26-5	
4-Bromofluorobenzene (S)	95	%	34-145	1	04/14/18 10:55	04/14/18 19:50	460-00-4	
1,2-Dichloroethane-d4 (S)	104	%	33-150	1	04/14/18 10:55	04/14/18 19:50	17060-07-0	
Percent Moisture		Analytical Method: ASTM D2216-92M						
Percent Moisture	15.6	%	0.10	1		04/09/18 17:30		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: COYNE TEXTILE FACILITY 4/5

Pace Project No.: 7047482

Sample: SOIL-111 Lab ID: 7047482007 Collected: 04/05/18 12:50 Received: 04/06/18 09:40 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8082 GCS PCB								
Analytical Method: EPA 8082A Preparation Method: EPA 3546								
PCB-1016 (Aroclor 1016)	<41.2	ug/kg	41.2	1	04/10/18 20:18	04/14/18 06:59	12674-11-2	
PCB-1221 (Aroclor 1221)	<83.7	ug/kg	83.7	1	04/10/18 20:18	04/14/18 06:59	11104-28-2	
PCB-1232 (Aroclor 1232)	<41.2	ug/kg	41.2	1	04/10/18 20:18	04/14/18 06:59	11141-16-5	
PCB-1242 (Aroclor 1242)	<41.2	ug/kg	41.2	1	04/10/18 20:18	04/14/18 06:59	53469-21-9	
PCB-1248 (Aroclor 1248)	<41.2	ug/kg	41.2	1	04/10/18 20:18	04/14/18 06:59	12672-29-6	
PCB-1254 (Aroclor 1254)	<41.2	ug/kg	41.2	1	04/10/18 20:18	04/14/18 06:59	11097-69-1	
PCB-1260 (Aroclor 1260)	<41.2	ug/kg	41.2	1	04/10/18 20:18	04/14/18 06:59	11096-82-5	
Surrogates								
Tetrachloro-m-xylene (S)	61	%	30-150	1	04/10/18 20:18	04/14/18 06:59	877-09-8	
Decachlorobiphenyl (S)	73	%	30-150	1	04/10/18 20:18	04/14/18 06:59	2051-24-3	
6010 MET ICP								
Analytical Method: EPA 6010C Preparation Method: EPA 3050B								
Aluminum	2140	mg/kg	13.6	1	04/09/18 11:14	04/11/18 05:01	7429-90-5	
Antimony	<4.1	mg/kg	4.1	1	04/09/18 11:14	04/11/18 05:01	7440-36-0	
Arsenic	3.3	mg/kg	0.68	1	04/09/18 11:14	04/11/18 05:01	7440-38-2	
Barium	20.1	mg/kg	13.6	1	04/09/18 11:14	04/11/18 05:01	7440-39-3	
Beryllium	<0.34	mg/kg	0.34	1	04/09/18 11:14	04/11/18 05:01	7440-41-7	
Cadmium	0.27	mg/kg	0.17	1	04/09/18 11:14	04/11/18 05:01	7440-43-9	
Calcium	49200	mg/kg	67.8	1	04/09/18 11:14	04/11/18 05:01	7440-70-2	
Chromium	5.0	mg/kg	0.68	1	04/09/18 11:14	04/11/18 05:01	7440-47-3	
Cobalt	<3.4	mg/kg	3.4	1	04/09/18 11:14	04/11/18 05:01	7440-48-4	
Copper	<1.7	mg/kg	1.7	1	04/09/18 11:14	04/11/18 05:01	7440-50-8	
Iron	12700	mg/kg	6.8	1	04/09/18 11:14	04/11/18 05:01	7439-89-6	
Lead	2.2	mg/kg	0.34	1	04/09/18 11:14	04/11/18 05:01	7439-92-1	
Magnesium	8870	mg/kg	67.8	1	04/09/18 11:14	04/11/18 05:01	7439-95-4	
Manganese	213	mg/kg	1.0	1	04/09/18 11:14	04/11/18 05:01	7439-96-5	
Nickel	5.5	mg/kg	2.7	1	04/09/18 11:14	04/11/18 05:01	7440-02-0	
Potassium	502	mg/kg	339	1	04/09/18 11:14	04/11/18 05:01	7440-09-7	
Selenium	<0.68	mg/kg	0.68	1	04/09/18 11:14	04/11/18 05:01	7782-49-2	
Silver	<0.68	mg/kg	0.68	1	04/09/18 11:14	04/11/18 05:01	7440-22-4	
Sodium	<339	mg/kg	339	1	04/09/18 11:14	04/11/18 05:01	7440-23-5	
Thallium	<0.68	mg/kg	0.68	1	04/09/18 11:14	04/11/18 05:01	7440-28-0	
Vanadium	4.2	mg/kg	3.4	1	04/09/18 11:14	04/11/18 05:01	7440-62-2	
Zinc	12.0	mg/kg	1.4	1	04/09/18 11:14	04/11/18 05:01	7440-66-6	
7471 Mercury								
Analytical Method: EPA 7471B Preparation Method: EPA 7471B								
Mercury	<0.042	mg/kg	0.042	1	04/09/18 13:02	04/10/18 14:07	7439-97-6	
8270 MSSV								
Analytical Method: EPA 8270D Preparation Method: EPA 3545A								
1,2,4-Trichlorobenzene	<83.7	ug/kg	83.7	1	04/09/18 18:23	04/12/18 20:40	120-82-1	
2,2'-Oxybis(1-chloropropane)	<83.7	ug/kg	83.7	1	04/09/18 18:23	04/12/18 20:40	108-60-1	
2,4,5-Trichlorophenol	<83.7	ug/kg	83.7	1	04/09/18 18:23	04/12/18 20:40	95-95-4	
2,4,6-Trichlorophenol	<83.7	ug/kg	83.7	1	04/09/18 18:23	04/12/18 20:40	88-06-2	
2,4-Dichlorophenol	<83.7	ug/kg	83.7	1	04/09/18 18:23	04/12/18 20:40	120-83-2	
2,4-Dimethylphenol	<83.7	ug/kg	83.7	1	04/09/18 18:23	04/12/18 20:40	105-67-9	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: COYNE TEXTILE FACILITY 4/5

Pace Project No.: 7047482

Sample: SOIL-111 **Lab ID: 7047482007** Collected: 04/05/18 12:50 Received: 04/06/18 09:40 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Analytical Method: EPA 8270D Preparation Method: EPA 3545A								
2,4-Dinitrophenol	<837	ug/kg	837	1	04/09/18 18:23	04/12/18 20:40	51-28-5	
2,4-Dinitrotoluene	<412	ug/kg	412	1	04/09/18 18:23	04/12/18 20:40	121-14-2	
2,6-Dinitrotoluene	<412	ug/kg	412	1	04/09/18 18:23	04/12/18 20:40	606-20-2	
2-Chloronaphthalene	<83.7	ug/kg	83.7	1	04/09/18 18:23	04/12/18 20:40	91-58-7	
2-Chlorophenol	<83.7	ug/kg	83.7	1	04/09/18 18:23	04/12/18 20:40	95-57-8	
2-Methylnaphthalene	<83.7	ug/kg	83.7	1	04/09/18 18:23	04/12/18 20:40	91-57-6	
2-Methylphenol(o-Cresol)	<83.7	ug/kg	83.7	1	04/09/18 18:23	04/12/18 20:40	95-48-7	
2-Nitroaniline	<412	ug/kg	412	1	04/09/18 18:23	04/12/18 20:40	88-74-4	
2-Nitrophenol	<412	ug/kg	412	1	04/09/18 18:23	04/12/18 20:40	88-75-5	
3&4-Methylphenol(m&p Cresol)	<83.7	ug/kg	83.7	1	04/09/18 18:23	04/12/18 20:40		
3,3'-Dichlorobenzidine	<412	ug/kg	412	1	04/09/18 18:23	04/12/18 20:40	91-94-1	
3-Nitroaniline	<412	ug/kg	412	1	04/09/18 18:23	04/12/18 20:40	99-09-2	
4,6-Dinitro-2-methylphenol	<837	ug/kg	837	1	04/09/18 18:23	04/12/18 20:40	534-52-1	
4-Bromophenylphenyl ether	<83.7	ug/kg	83.7	1	04/09/18 18:23	04/12/18 20:40	101-55-3	
4-Chloro-3-methylphenol	<83.7	ug/kg	83.7	1	04/09/18 18:23	04/12/18 20:40	59-50-7	
4-Chloroaniline	<412	ug/kg	412	1	04/09/18 18:23	04/12/18 20:40	106-47-8	
4-Chlorophenylphenyl ether	<83.7	ug/kg	83.7	1	04/09/18 18:23	04/12/18 20:40	7005-72-3	
4-Nitroaniline	<412	ug/kg	412	1	04/09/18 18:23	04/12/18 20:40	100-01-6	L2
4-Nitrophenol	<837	ug/kg	837	1	04/09/18 18:23	04/12/18 20:40	100-02-7	
Acenaphthene	<83.7	ug/kg	83.7	1	04/09/18 18:23	04/12/18 20:40	83-32-9	
Acenaphthylene	<83.7	ug/kg	83.7	1	04/09/18 18:23	04/12/18 20:40	208-96-8	
Acetophenone	<83.7	ug/kg	83.7	1	04/09/18 18:23	04/12/18 20:40	98-86-2	
Anthracene	<83.7	ug/kg	83.7	1	04/09/18 18:23	04/12/18 20:40	120-12-7	
Atrazine	<83.7	ug/kg	83.7	1	04/09/18 18:23	04/12/18 20:40	1912-24-9	
Benzaldehyde	<83.7	ug/kg	83.7	1	04/09/18 18:23	04/12/18 20:40	100-52-7	CL,L2
Benzo(a)anthracene	<83.7	ug/kg	83.7	1	04/09/18 18:23	04/12/18 20:40	56-55-3	
Benzo(a)pyrene	<83.7	ug/kg	83.7	1	04/09/18 18:23	04/12/18 20:40	50-32-8	
Benzo(b)fluoranthene	<83.7	ug/kg	83.7	1	04/09/18 18:23	04/12/18 20:40	205-99-2	
Benzo(g,h,i)perylene	<83.7	ug/kg	83.7	1	04/09/18 18:23	04/12/18 20:40	191-24-2	
Benzo(k)fluoranthene	<83.7	ug/kg	83.7	1	04/09/18 18:23	04/12/18 20:40	207-08-9	
Biphenyl (Diphenyl)	<83.7	ug/kg	83.7	1	04/09/18 18:23	04/12/18 20:40	92-52-4	
Butylbenzylphthalate	<83.7	ug/kg	83.7	1	04/09/18 18:23	04/12/18 20:40	85-68-7	
Caprolactam	<83.7	ug/kg	83.7	1	04/09/18 18:23	04/12/18 20:40	105-60-2	
Carbazole	<83.7	ug/kg	83.7	1	04/09/18 18:23	04/12/18 20:40	86-74-8	
Chrysene	<83.7	ug/kg	83.7	1	04/09/18 18:23	04/12/18 20:40	218-01-9	
Di-n-butylphthalate	<83.7	ug/kg	83.7	1	04/09/18 18:23	04/12/18 20:40	84-74-2	
Di-n-octylphthalate	<83.7	ug/kg	83.7	1	04/09/18 18:23	04/12/18 20:40	117-84-0	
Dibenz(a,h)anthracene	<83.7	ug/kg	83.7	1	04/09/18 18:23	04/12/18 20:40	53-70-3	
Dibenzofuran	<83.7	ug/kg	83.7	1	04/09/18 18:23	04/12/18 20:40	132-64-9	
Diethylphthalate	<83.7	ug/kg	83.7	1	04/09/18 18:23	04/12/18 20:40	84-66-2	
Dimethylphthalate	<83.7	ug/kg	83.7	1	04/09/18 18:23	04/12/18 20:40	131-11-3	
Fluoranthene	<83.7	ug/kg	83.7	1	04/09/18 18:23	04/12/18 20:40	206-44-0	
Fluorene	<83.7	ug/kg	83.7	1	04/09/18 18:23	04/12/18 20:40	86-73-7	
Hexachloro-1,3-butadiene	<83.7	ug/kg	83.7	1	04/09/18 18:23	04/12/18 20:40	87-68-3	
Hexachlorobenzene	<83.7	ug/kg	83.7	1	04/09/18 18:23	04/12/18 20:40	118-74-1	
Hexachlorocyclopentadiene	<412	ug/kg	412	1	04/09/18 18:23	04/12/18 20:40	77-47-4	CL

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: COYNE TEXTILE FACILITY 4/5

Pace Project No.: 7047482

Sample: SOIL-111 Lab ID: 7047482007 Collected: 04/05/18 12:50 Received: 04/06/18 09:40 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV								
Analytical Method: EPA 8270D Preparation Method: EPA 3545A								
Hexachloroethane	<83.7	ug/kg	83.7	1	04/09/18 18:23	04/12/18 20:40	67-72-1	
Indeno(1,2,3-cd)pyrene	<83.7	ug/kg	83.7	1	04/09/18 18:23	04/12/18 20:40	193-39-5	
Isophorone	<83.7	ug/kg	83.7	1	04/09/18 18:23	04/12/18 20:40	78-59-1	
N-Nitroso-di-n-propylamine	<83.7	ug/kg	83.7	1	04/09/18 18:23	04/12/18 20:40	621-64-7	
N-Nitrosodiphenylamine	<83.7	ug/kg	83.7	1	04/09/18 18:23	04/12/18 20:40	86-30-6	
Naphthalene	<83.7	ug/kg	83.7	1	04/09/18 18:23	04/12/18 20:40	91-20-3	
Nitrobenzene	<83.7	ug/kg	83.7	1	04/09/18 18:23	04/12/18 20:40	98-95-3	
Pentachlorophenol	<83.7	ug/kg	83.7	1	04/09/18 18:23	04/12/18 20:40	87-86-5	
Phenanthrene	<83.7	ug/kg	83.7	1	04/09/18 18:23	04/12/18 20:40	85-01-8	
Phenol	<83.7	ug/kg	83.7	1	04/09/18 18:23	04/12/18 20:40	108-95-2	
Pyrene	<83.7	ug/kg	83.7	1	04/09/18 18:23	04/12/18 20:40	129-00-0	
bis(2-Chloroethoxy)methane	<83.7	ug/kg	83.7	1	04/09/18 18:23	04/12/18 20:40	111-91-1	
bis(2-Chloroethyl) ether	<83.7	ug/kg	83.7	1	04/09/18 18:23	04/12/18 20:40	111-44-4	
bis(2-Ethylhexyl)phthalate	<83.7	ug/kg	83.7	1	04/09/18 18:23	04/12/18 20:40	117-81-7	
Surrogates								
Nitrobenzene-d5 (S)	60	%	23-120	1	04/09/18 18:23	04/12/18 20:40	4165-60-0	
2-Fluorobiphenyl (S)	66	%	30-115	1	04/09/18 18:23	04/12/18 20:40	321-60-8	
p-Terphenyl-d14 (S)	92	%	18-137	1	04/09/18 18:23	04/12/18 20:40	1718-51-0	
Phenol-d5 (S)	58	%	24-113	1	04/09/18 18:23	04/12/18 20:40	4165-62-2	
2-Fluorophenol (S)	53	%	25-121	1	04/09/18 18:23	04/12/18 20:40	367-12-4	
2,4,6-Tribromophenol (S)	53	%	19-122	1	04/09/18 18:23	04/12/18 20:40	118-79-6	
2-Chlorophenol-d4 (S)	58	%	20-130	1	04/09/18 18:23	04/12/18 20:40	93951-73-6	
1,2-Dichlorobenzene-d4 (S)	53	%	20-130	1	04/09/18 18:23	04/12/18 20:40	2199-69-1	
8260C MSV 5035A-L Low Level								
Analytical Method: EPA 8260C Preparation Method: EPA 5035A-L								
1,1,1-Trichloroethane	<2.5	ug/kg	2.5	1	04/14/18 10:55	04/14/18 20:16	71-55-6	
1,1,2,2-Tetrachloroethane	<2.5	ug/kg	2.5	1	04/14/18 10:55	04/14/18 20:16	79-34-5	
1,1,2-Trichloroethane	<2.5	ug/kg	2.5	1	04/14/18 10:55	04/14/18 20:16	79-00-5	L1
1,1,2-Trichlorotrifluoroethane	<2.5	ug/kg	2.5	1	04/14/18 10:55	04/14/18 20:16	76-13-1	
1,1-Dichloroethane	<2.5	ug/kg	2.5	1	04/14/18 10:55	04/14/18 20:16	75-34-3	
1,1-Dichloroethene	<2.5	ug/kg	2.5	1	04/14/18 10:55	04/14/18 20:16	75-35-4	
1,2,4-Trichlorobenzene	<2.5	ug/kg	2.5	1	04/14/18 10:55	04/14/18 20:16	120-82-1	
1,2-Dibromo-3-chloropropane	<2.5	ug/kg	2.5	1	04/14/18 10:55	04/14/18 20:16	96-12-8	
1,2-Dibromoethane (EDB)	<2.5	ug/kg	2.5	1	04/14/18 10:55	04/14/18 20:16	106-93-4	L1
1,2-Dichlorobenzene	<2.5	ug/kg	2.5	1	04/14/18 10:55	04/14/18 20:16	95-50-1	
1,2-Dichloroethane	<2.5	ug/kg	2.5	1	04/14/18 10:55	04/14/18 20:16	107-06-2	
1,2-Dichloropropane	<2.5	ug/kg	2.5	1	04/14/18 10:55	04/14/18 20:16	78-87-5	
1,3-Dichlorobenzene	<2.5	ug/kg	2.5	1	04/14/18 10:55	04/14/18 20:16	541-73-1	
1,4-Dichlorobenzene	<2.5	ug/kg	2.5	1	04/14/18 10:55	04/14/18 20:16	106-46-7	
2-Butanone (MEK)	27.8	ug/kg	2.5	1	04/14/18 10:55	04/14/18 20:16	78-93-3	
2-Hexanone	<2.5	ug/kg	2.5	1	04/14/18 10:55	04/14/18 20:16	591-78-6	
4-Methyl-2-pentanone (MIBK)	<2.5	ug/kg	2.5	1	04/14/18 10:55	04/14/18 20:16	108-10-1	L1
Acetone	95.9	ug/kg	2.5	1	04/14/18 10:55	04/14/18 20:16	67-64-1	IH
Benzene	22.4	ug/kg	2.5	1	04/14/18 10:55	04/14/18 20:16	71-43-2	
Bromodichloromethane	<2.5	ug/kg	2.5	1	04/14/18 10:55	04/14/18 20:16	75-27-4	
Bromoform	<2.5	ug/kg	2.5	1	04/14/18 10:55	04/14/18 20:16	75-25-2	

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ANALYTICAL RESULTS

Project: COYNE TEXTILE FACILITY 4/5

Pace Project No.: 7047482

Sample: SOIL-111 Lab ID: 7047482007 Collected: 04/05/18 12:50 Received: 04/06/18 09:40 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260C MSV 5035A-L Low Level		Analytical Method: EPA 8260C Preparation Method: EPA 5035A-L						
Bromomethane	<2.5	ug/kg	2.5	1	04/14/18 10:55	04/14/18 20:16	74-83-9	
Carbon disulfide	4.0	ug/kg	2.5	1	04/14/18 10:55	04/14/18 20:16	75-15-0	
Carbon tetrachloride	<2.5	ug/kg	2.5	1	04/14/18 10:55	04/14/18 20:16	56-23-5	
Chlorobenzene	<2.5	ug/kg	2.5	1	04/14/18 10:55	04/14/18 20:16	108-90-7	
Chloroethane	<2.5	ug/kg	2.5	1	04/14/18 10:55	04/14/18 20:16	75-00-3	
Chloroform	<2.5	ug/kg	2.5	1	04/14/18 10:55	04/14/18 20:16	67-66-3	
Chloromethane	<2.5	ug/kg	2.5	1	04/14/18 10:55	04/14/18 20:16	74-87-3	
Cyclohexane	<2.5	ug/kg	2.5	1	04/14/18 10:55	04/14/18 20:16	110-82-7	
Dibromochloromethane	<2.5	ug/kg	2.5	1	04/14/18 10:55	04/14/18 20:16	124-48-1	
Dichlorodifluoromethane	<2.5	ug/kg	2.5	1	04/14/18 10:55	04/14/18 20:16	75-71-8	CL
Ethylbenzene	<2.5	ug/kg	2.5	1	04/14/18 10:55	04/14/18 20:16	100-41-4	
Isopropylbenzene (Cumene)	<2.5	ug/kg	2.5	1	04/14/18 10:55	04/14/18 20:16	98-82-8	
Methyl acetate	4.6	ug/kg	2.5	1	04/14/18 10:55	04/14/18 20:16	79-20-9	
Methyl-tert-butyl ether	<2.5	ug/kg	2.5	1	04/14/18 10:55	04/14/18 20:16	1634-04-4	
Methylcyclohexane	<2.5	ug/kg	2.5	1	04/14/18 10:55	04/14/18 20:16	108-87-2	
Methylene Chloride	<2.5	ug/kg	2.5	1	04/14/18 10:55	04/14/18 20:16	75-09-2	
Styrene	<2.5	ug/kg	2.5	1	04/14/18 10:55	04/14/18 20:16	100-42-5	
Tetrachloroethene	<2.5	ug/kg	2.5	1	04/14/18 10:55	04/14/18 20:16	127-18-4	
Toluene	<2.5	ug/kg	2.5	1	04/14/18 10:55	04/14/18 20:16	108-88-3	CH,L1
Trichloroethene	<2.5	ug/kg	2.5	1	04/14/18 10:55	04/14/18 20:16	79-01-6	
Trichlorofluoromethane	<2.5	ug/kg	2.5	1	04/14/18 10:55	04/14/18 20:16	75-69-4	
Vinyl chloride	<2.5	ug/kg	2.5	1	04/14/18 10:55	04/14/18 20:16	75-01-4	
Xylene (Total)	<4.9	ug/kg	4.9	1	04/14/18 10:55	04/14/18 20:16	1330-20-7	
cis-1,2-Dichloroethene	<2.5	ug/kg	2.5	1	04/14/18 10:55	04/14/18 20:16	156-59-2	
cis-1,3-Dichloropropene	<2.5	ug/kg	2.5	1	04/14/18 10:55	04/14/18 20:16	10061-01-5	
trans-1,2-Dichloroethene	<2.5	ug/kg	2.5	1	04/14/18 10:55	04/14/18 20:16	156-60-5	CL
trans-1,3-Dichloropropene	<2.5	ug/kg	2.5	1	04/14/18 10:55	04/14/18 20:16	10061-02-6	L1
Surrogates								
Toluene-d8 (S)	94	%	43-157	1	04/14/18 10:55	04/14/18 20:16	2037-26-5	
4-Bromofluorobenzene (S)	87	%	34-145	1	04/14/18 10:55	04/14/18 20:16	460-00-4	
1,2-Dichloroethane-d4 (S)	105	%	33-150	1	04/14/18 10:55	04/14/18 20:16	17060-07-0	
Percent Moisture		Analytical Method: ASTM D2216-92M						
Percent Moisture	20.0	%	0.10	1		04/09/18 17:30		

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ANALYTICAL RESULTS

Project: COYNE TEXTILE FACILITY 4/5

Pace Project No.: 7047482

Sample: SOIL-112 Lab ID: 7047482008 Collected: 04/05/18 13:40 Received: 04/06/18 09:40 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8081 GCS Pesticides								
Analytical Method: EPA 8081B Preparation Method: EPA 3546								
Aldrin	<2.3	ug/kg	2.3	1	04/06/18 19:08	04/14/18 18:24	309-00-2	
alpha-BHC	<2.3	ug/kg	2.3	1	04/06/18 19:08	04/14/18 18:24	319-84-6	
beta-BHC	<2.3	ug/kg	2.3	1	04/06/18 19:08	04/14/18 18:24	319-85-7	
delta-BHC	<2.3	ug/kg	2.3	1	04/06/18 19:08	04/14/18 18:24	319-86-8	
gamma-BHC (Lindane)	<2.3	ug/kg	2.3	1	04/06/18 19:08	04/14/18 18:24	58-89-9	
alpha-Chlordane	<2.3	ug/kg	2.3	1	04/06/18 19:08	04/14/18 18:24	5103-71-9	
gamma-Chlordane	<2.3	ug/kg	2.3	1	04/06/18 19:08	04/14/18 18:24	5103-74-2	
4,4'-DDD	<4.5	ug/kg	4.5	1	04/06/18 19:08	04/14/18 18:24	72-54-8	
4,4'-DDE	<4.5	ug/kg	4.5	1	04/06/18 19:08	04/14/18 18:24	72-55-9	
4,4'-DDT	<4.5	ug/kg	4.5	1	04/06/18 19:08	04/14/18 18:24	50-29-3	
Dieldrin	<4.5	ug/kg	4.5	1	04/06/18 19:08	04/14/18 18:24	60-57-1	
Endosulfan I	<2.3	ug/kg	2.3	1	04/06/18 19:08	04/14/18 18:24	959-98-8	
Endosulfan II	<4.5	ug/kg	4.5	1	04/06/18 19:08	04/14/18 18:24	33213-65-9	
Endosulfan sulfate	<4.5	ug/kg	4.5	1	04/06/18 19:08	04/14/18 18:24	1031-07-8	
Endrin	<4.5	ug/kg	4.5	1	04/06/18 19:08	04/14/18 18:24	72-20-8	
Endrin aldehyde	<4.5	ug/kg	4.5	1	04/06/18 19:08	04/14/18 18:24	7421-93-4	
Endrin ketone	<4.5	ug/kg	4.5	1	04/06/18 19:08	04/14/18 18:24	53494-70-5	
Heptachlor	<2.3	ug/kg	2.3	1	04/06/18 19:08	04/14/18 18:24	76-44-8	
Heptachlor epoxide	<2.3	ug/kg	2.3	1	04/06/18 19:08	04/14/18 18:24	1024-57-3	
Methoxychlor	<23.1	ug/kg	23.1	1	04/06/18 19:08	04/14/18 18:24	72-43-5	
Toxaphene	<231	ug/kg	231	1	04/06/18 19:08	04/14/18 18:24	8001-35-2	
Surrogates								
Tetrachloro-m-xylene (S)	26	%	30-150	1	04/06/18 19:08	04/14/18 18:24	877-09-8	S0
Decachlorobiphenyl (S)	21	%	30-150	1	04/06/18 19:08	04/14/18 18:24	2051-24-3	S0
8082 GCS PCB								
Analytical Method: EPA 8082A Preparation Method: EPA 3546								
PCB-1016 (Aroclor 1016)	<44.6	ug/kg	44.6	1	04/16/18 17:43	04/18/18 00:36	12674-11-2	
PCB-1221 (Aroclor 1221)	<90.5	ug/kg	90.5	1	04/16/18 17:43	04/18/18 00:36	11104-28-2	
PCB-1232 (Aroclor 1232)	<44.6	ug/kg	44.6	1	04/16/18 17:43	04/18/18 00:36	11141-16-5	
PCB-1242 (Aroclor 1242)	<44.6	ug/kg	44.6	1	04/16/18 17:43	04/18/18 00:36	53469-21-9	
PCB-1248 (Aroclor 1248)	<44.6	ug/kg	44.6	1	04/16/18 17:43	04/18/18 00:36	12672-29-6	
PCB-1254 (Aroclor 1254)	<44.6	ug/kg	44.6	1	04/16/18 17:43	04/18/18 00:36	11097-69-1	
PCB-1260 (Aroclor 1260)	<44.6	ug/kg	44.6	1	04/16/18 17:43	04/18/18 00:36	11096-82-5	
Surrogates								
Tetrachloro-m-xylene (S)	59	%	30-150	1	04/16/18 17:43	04/18/18 00:36	877-09-8	
Decachlorobiphenyl (S)	27	%	30-150	1	04/16/18 17:43	04/18/18 00:36	2051-24-3	2j, S0
8270 MSSV								
Analytical Method: EPA 8270D Preparation Method: EPA 3545A								
1,2,4-Trichlorobenzene	<91.0	ug/kg	91.0	1	04/09/18 18:23	04/12/18 20:13	120-82-1	
2,2'-Oxybis(1-chloropropane)	<91.0	ug/kg	91.0	1	04/09/18 18:23	04/12/18 20:13	108-60-1	
2,4,5-Trichlorophenol	<91.0	ug/kg	91.0	1	04/09/18 18:23	04/12/18 20:13	95-95-4	
2,4,6-Trichlorophenol	<91.0	ug/kg	91.0	1	04/09/18 18:23	04/12/18 20:13	88-06-2	
2,4-Dichlorophenol	<91.0	ug/kg	91.0	1	04/09/18 18:23	04/12/18 20:13	120-83-2	
2,4-Dimethylphenol	<91.0	ug/kg	91.0	1	04/09/18 18:23	04/12/18 20:13	105-67-9	
2,4-Dinitrophenol	<91.0	ug/kg	91.0	1	04/09/18 18:23	04/12/18 20:13	51-28-5	
2,4-Dinitrotoluene	<448	ug/kg	448	1	04/09/18 18:23	04/12/18 20:13	121-14-2	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: COYNE TEXTILE FACILITY 4/5

Pace Project No.: 7047482

Sample: SOIL-112 Lab ID: 7047482008 Collected: 04/05/18 13:40 Received: 04/06/18 09:40 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV		Analytical Method: EPA 8270D Preparation Method: EPA 3545A						
2,6-Dinitrotoluene	<448	ug/kg	448	1	04/09/18 18:23	04/12/18 20:13	606-20-2	
2-Chloronaphthalene	<91.0	ug/kg	91.0	1	04/09/18 18:23	04/12/18 20:13	91-58-7	
2-Chlorophenol	<91.0	ug/kg	91.0	1	04/09/18 18:23	04/12/18 20:13	95-57-8	
2-Methylnaphthalene	<91.0	ug/kg	91.0	1	04/09/18 18:23	04/12/18 20:13	91-57-6	
2-Methylphenol(o-Cresol)	<91.0	ug/kg	91.0	1	04/09/18 18:23	04/12/18 20:13	95-48-7	
2-Nitroaniline	<448	ug/kg	448	1	04/09/18 18:23	04/12/18 20:13	88-74-4	
2-Nitrophenol	<448	ug/kg	448	1	04/09/18 18:23	04/12/18 20:13	88-75-5	
3&4-Methylphenol(m&p Cresol)	<91.0	ug/kg	91.0	1	04/09/18 18:23	04/12/18 20:13		
3,3'-Dichlorobenzidine	<448	ug/kg	448	1	04/09/18 18:23	04/12/18 20:13	91-94-1	
3-Nitroaniline	<448	ug/kg	448	1	04/09/18 18:23	04/12/18 20:13	99-09-2	
4,6-Dinitro-2-methylphenol	<910	ug/kg	910	1	04/09/18 18:23	04/12/18 20:13	534-52-1	
4-Bromophenylphenyl ether	<91.0	ug/kg	91.0	1	04/09/18 18:23	04/12/18 20:13	101-55-3	
4-Chloro-3-methylphenol	<91.0	ug/kg	91.0	1	04/09/18 18:23	04/12/18 20:13	59-50-7	
4-Chloroaniline	<448	ug/kg	448	1	04/09/18 18:23	04/12/18 20:13	106-47-8	
4-Chlorophenylphenyl ether	<91.0	ug/kg	91.0	1	04/09/18 18:23	04/12/18 20:13	7005-72-3	
4-Nitroaniline	<448	ug/kg	448	1	04/09/18 18:23	04/12/18 20:13	100-01-6	L2
4-Nitrophenol	<910	ug/kg	910	1	04/09/18 18:23	04/12/18 20:13	100-02-7	
Acenaphthene	<91.0	ug/kg	91.0	1	04/09/18 18:23	04/12/18 20:13	83-32-9	
Acenaphthylene	<91.0	ug/kg	91.0	1	04/09/18 18:23	04/12/18 20:13	208-96-8	
Acetophenone	<91.0	ug/kg	91.0	1	04/09/18 18:23	04/12/18 20:13	98-86-2	
Anthracene	<91.0	ug/kg	91.0	1	04/09/18 18:23	04/12/18 20:13	120-12-7	
Atrazine	<91.0	ug/kg	91.0	1	04/09/18 18:23	04/12/18 20:13	1912-24-9	
Benzaldehyde	<91.0	ug/kg	91.0	1	04/09/18 18:23	04/12/18 20:13	100-52-7	CL,L2
Benzo(a)anthracene	<91.0	ug/kg	91.0	1	04/09/18 18:23	04/12/18 20:13	56-55-3	
Benzo(a)pyrene	<91.0	ug/kg	91.0	1	04/09/18 18:23	04/12/18 20:13	50-32-8	
Benzo(b)fluoranthene	<91.0	ug/kg	91.0	1	04/09/18 18:23	04/12/18 20:13	205-99-2	
Benzo(g,h,i)perylene	<91.0	ug/kg	91.0	1	04/09/18 18:23	04/12/18 20:13	191-24-2	
Benzo(k)fluoranthene	<91.0	ug/kg	91.0	1	04/09/18 18:23	04/12/18 20:13	207-08-9	
Biphenyl (Diphenyl)	<91.0	ug/kg	91.0	1	04/09/18 18:23	04/12/18 20:13	92-52-4	
Butylbenzylphthalate	<91.0	ug/kg	91.0	1	04/09/18 18:23	04/12/18 20:13	85-68-7	
Caprolactam	<91.0	ug/kg	91.0	1	04/09/18 18:23	04/12/18 20:13	105-60-2	
Carbazole	<91.0	ug/kg	91.0	1	04/09/18 18:23	04/12/18 20:13	86-74-8	
Chrysene	<91.0	ug/kg	91.0	1	04/09/18 18:23	04/12/18 20:13	218-01-9	
Di-n-butylphthalate	<91.0	ug/kg	91.0	1	04/09/18 18:23	04/12/18 20:13	84-74-2	
Di-n-octylphthalate	<91.0	ug/kg	91.0	1	04/09/18 18:23	04/12/18 20:13	117-84-0	
Dibenz(a,h)anthracene	<91.0	ug/kg	91.0	1	04/09/18 18:23	04/12/18 20:13	53-70-3	
Dibenzofuran	<91.0	ug/kg	91.0	1	04/09/18 18:23	04/12/18 20:13	132-64-9	
Diethylphthalate	<91.0	ug/kg	91.0	1	04/09/18 18:23	04/12/18 20:13	84-66-2	
Dimethylphthalate	<91.0	ug/kg	91.0	1	04/09/18 18:23	04/12/18 20:13	131-11-3	
Fluoranthene	<91.0	ug/kg	91.0	1	04/09/18 18:23	04/12/18 20:13	206-44-0	
Fluorene	<91.0	ug/kg	91.0	1	04/09/18 18:23	04/12/18 20:13	86-73-7	
Hexachloro-1,3-butadiene	<91.0	ug/kg	91.0	1	04/09/18 18:23	04/12/18 20:13	87-68-3	
Hexachlorobenzene	<91.0	ug/kg	91.0	1	04/09/18 18:23	04/12/18 20:13	118-74-1	
Hexachlorocyclopentadiene	<448	ug/kg	448	1	04/09/18 18:23	04/12/18 20:13	77-47-4	CL
Hexachloroethane	<91.0	ug/kg	91.0	1	04/09/18 18:23	04/12/18 20:13	67-72-1	
Indeno(1,2,3-cd)pyrene	<91.0	ug/kg	91.0	1	04/09/18 18:23	04/12/18 20:13	193-39-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: COYNE TEXTILE FACILITY 4/5

Pace Project No.: 7047482

Sample: SOIL-112 Lab ID: 7047482008 Collected: 04/05/18 13:40 Received: 04/06/18 09:40 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV								
Analytical Method: EPA 8270D Preparation Method: EPA 3545A								
Isophorone	<91.0	ug/kg	91.0	1	04/09/18 18:23	04/12/18 20:13	78-59-1	
N-Nitroso-di-n-propylamine	<91.0	ug/kg	91.0	1	04/09/18 18:23	04/12/18 20:13	621-64-7	
N-Nitrosodiphenylamine	<91.0	ug/kg	91.0	1	04/09/18 18:23	04/12/18 20:13	86-30-6	
Naphthalene	<91.0	ug/kg	91.0	1	04/09/18 18:23	04/12/18 20:13	91-20-3	
Nitrobenzene	<91.0	ug/kg	91.0	1	04/09/18 18:23	04/12/18 20:13	98-95-3	
Pentachlorophenol	<91.0	ug/kg	91.0	1	04/09/18 18:23	04/12/18 20:13	87-86-5	
Phenanthrene	<91.0	ug/kg	91.0	1	04/09/18 18:23	04/12/18 20:13	85-01-8	
Phenol	<91.0	ug/kg	91.0	1	04/09/18 18:23	04/12/18 20:13	108-95-2	
Pyrene	<91.0	ug/kg	91.0	1	04/09/18 18:23	04/12/18 20:13	129-00-0	
bis(2-Chloroethoxy)methane	<91.0	ug/kg	91.0	1	04/09/18 18:23	04/12/18 20:13	111-91-1	
bis(2-Chloroethyl) ether	<91.0	ug/kg	91.0	1	04/09/18 18:23	04/12/18 20:13	111-44-4	
bis(2-Ethylhexyl)phthalate	<91.0	ug/kg	91.0	1	04/09/18 18:23	04/12/18 20:13	117-81-7	
Surrogates								
Nitrobenzene-d5 (S)	72	%	23-120	1	04/09/18 18:23	04/12/18 20:13	4165-60-0	
2-Fluorobiphenyl (S)	77	%	30-115	1	04/09/18 18:23	04/12/18 20:13	321-60-8	
p-Terphenyl-d14 (S)	87	%	18-137	1	04/09/18 18:23	04/12/18 20:13	1718-51-0	
Phenol-d5 (S)	61	%	24-113	1	04/09/18 18:23	04/12/18 20:13	4165-62-2	
2-Fluorophenol (S)	58	%	25-121	1	04/09/18 18:23	04/12/18 20:13	367-12-4	
2,4,6-Tribromophenol (S)	70	%	19-122	1	04/09/18 18:23	04/12/18 20:13	118-79-6	
2-Chlorophenol-d4 (S)	64	%	20-130	1	04/09/18 18:23	04/12/18 20:13	93951-73-6	
1,2-Dichlorobenzene-d4 (S)	57	%	20-130	1	04/09/18 18:23	04/12/18 20:13	2199-69-1	
8260C MSV 5035A-L Low Level								
Analytical Method: EPA 8260C Preparation Method: EPA 5035A-L								
1,1,1-Trichloroethane	<2.5	ug/kg	2.5	1	04/14/18 10:55	04/14/18 20:42	71-55-6	
1,1,2,2-Tetrachloroethane	<2.5	ug/kg	2.5	1	04/14/18 10:55	04/14/18 20:42	79-34-5	
1,1,2-Trichloroethane	<2.5	ug/kg	2.5	1	04/14/18 10:55	04/14/18 20:42	79-00-5	L1
1,1,2-Trichlorotrifluoroethane	<2.5	ug/kg	2.5	1	04/14/18 10:55	04/14/18 20:42	76-13-1	
1,1-Dichloroethane	<2.5	ug/kg	2.5	1	04/14/18 10:55	04/14/18 20:42	75-34-3	
1,1-Dichloroethene	<2.5	ug/kg	2.5	1	04/14/18 10:55	04/14/18 20:42	75-35-4	
1,2,4-Trichlorobenzene	<2.5	ug/kg	2.5	1	04/14/18 10:55	04/14/18 20:42	120-82-1	
1,2-Dibromo-3-chloropropane	<2.5	ug/kg	2.5	1	04/14/18 10:55	04/14/18 20:42	96-12-8	
1,2-Dibromoethane (EDB)	<2.5	ug/kg	2.5	1	04/14/18 10:55	04/14/18 20:42	106-93-4	L1
1,2-Dichlorobenzene	<2.5	ug/kg	2.5	1	04/14/18 10:55	04/14/18 20:42	95-50-1	
1,2-Dichloroethane	<2.5	ug/kg	2.5	1	04/14/18 10:55	04/14/18 20:42	107-06-2	
1,2-Dichloropropane	<2.5	ug/kg	2.5	1	04/14/18 10:55	04/14/18 20:42	78-87-5	
1,3-Dichlorobenzene	<2.5	ug/kg	2.5	1	04/14/18 10:55	04/14/18 20:42	541-73-1	
1,4-Dichlorobenzene	<2.5	ug/kg	2.5	1	04/14/18 10:55	04/14/18 20:42	106-46-7	
2-Butanone (MEK)	58.8	ug/kg	2.5	1	04/14/18 10:55	04/14/18 20:42	78-93-3	
2-Hexanone	<2.5	ug/kg	2.5	1	04/14/18 10:55	04/14/18 20:42	591-78-6	
4-Methyl-2-pentanone (MIBK)	<2.5	ug/kg	2.5	1	04/14/18 10:55	04/14/18 20:42	108-10-1	L1
Acetone	197	ug/kg	2.5	1	04/14/18 10:55	04/14/18 20:42	67-64-1	IH
Benzene	76.4	ug/kg	2.5	1	04/14/18 10:55	04/14/18 20:42	71-43-2	
Bromodichloromethane	<2.5	ug/kg	2.5	1	04/14/18 10:55	04/14/18 20:42	75-27-4	
Bromoform	<2.5	ug/kg	2.5	1	04/14/18 10:55	04/14/18 20:42	75-25-2	
Bromomethane	<2.5	ug/kg	2.5	1	04/14/18 10:55	04/14/18 20:42	74-83-9	
Carbon disulfide	4.8	ug/kg	2.5	1	04/14/18 10:55	04/14/18 20:42	75-15-0	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: COYNE TEXTILE FACILITY 4/5

Pace Project No.: 7047482

Sample: SOIL-112 Lab ID: 7047482008 Collected: 04/05/18 13:40 Received: 04/06/18 09:40 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260C MSV 5035A-L Low Level		Analytical Method: EPA 8260C Preparation Method: EPA 5035A-L						
Carbon tetrachloride	<2.5	ug/kg	2.5	1	04/14/18 10:55	04/14/18 20:42	56-23-5	
Chlorobenzene	<2.5	ug/kg	2.5	1	04/14/18 10:55	04/14/18 20:42	108-90-7	
Chloroethane	<2.5	ug/kg	2.5	1	04/14/18 10:55	04/14/18 20:42	75-00-3	
Chloroform	<2.5	ug/kg	2.5	1	04/14/18 10:55	04/14/18 20:42	67-66-3	
Chloromethane	<2.5	ug/kg	2.5	1	04/14/18 10:55	04/14/18 20:42	74-87-3	
Cyclohexane	<2.5	ug/kg	2.5	1	04/14/18 10:55	04/14/18 20:42	110-82-7	
Dibromochloromethane	<2.5	ug/kg	2.5	1	04/14/18 10:55	04/14/18 20:42	124-48-1	
Dichlorodifluoromethane	<2.5	ug/kg	2.5	1	04/14/18 10:55	04/14/18 20:42	75-71-8	CL
Ethylbenzene	<2.5	ug/kg	2.5	1	04/14/18 10:55	04/14/18 20:42	100-41-4	
Isopropylbenzene (Cumene)	<2.5	ug/kg	2.5	1	04/14/18 10:55	04/14/18 20:42	98-82-8	
Methyl acetate	<2.5	ug/kg	2.5	1	04/14/18 10:55	04/14/18 20:42	79-20-9	
Methyl-tert-butyl ether	<2.5	ug/kg	2.5	1	04/14/18 10:55	04/14/18 20:42	1634-04-4	
Methylcyclohexane	<2.5	ug/kg	2.5	1	04/14/18 10:55	04/14/18 20:42	108-87-2	
Methylene Chloride	<2.5	ug/kg	2.5	1	04/14/18 10:55	04/14/18 20:42	75-09-2	
Styrene	<2.5	ug/kg	2.5	1	04/14/18 10:55	04/14/18 20:42	100-42-5	
Tetrachloroethene	<2.5	ug/kg	2.5	1	04/14/18 10:55	04/14/18 20:42	127-18-4	
Toluene	<2.5	ug/kg	2.5	1	04/14/18 10:55	04/14/18 20:42	108-88-3	CH,L1
Trichloroethene	<2.5	ug/kg	2.5	1	04/14/18 10:55	04/14/18 20:42	79-01-6	
Trichlorofluoromethane	<2.5	ug/kg	2.5	1	04/14/18 10:55	04/14/18 20:42	75-69-4	
Vinyl chloride	<2.5	ug/kg	2.5	1	04/14/18 10:55	04/14/18 20:42	75-01-4	
Xylene (Total)	<5.0	ug/kg	5.0	1	04/14/18 10:55	04/14/18 20:42	1330-20-7	
cis-1,2-Dichloroethene	<2.5	ug/kg	2.5	1	04/14/18 10:55	04/14/18 20:42	156-59-2	
cis-1,3-Dichloropropene	<2.5	ug/kg	2.5	1	04/14/18 10:55	04/14/18 20:42	10061-01-5	
trans-1,2-Dichloroethene	<2.5	ug/kg	2.5	1	04/14/18 10:55	04/14/18 20:42	156-60-5	CL
trans-1,3-Dichloropropene	<2.5	ug/kg	2.5	1	04/14/18 10:55	04/14/18 20:42	10061-02-6	L1
Surrogates								
Toluene-d8 (S)	96	%	43-157	1	04/14/18 10:55	04/14/18 20:42	2037-26-5	
4-Bromofluorobenzene (S)	85	%	34-145	1	04/14/18 10:55	04/14/18 20:42	460-00-4	
1,2-Dichloroethane-d4 (S)	106	%	33-150	1	04/14/18 10:55	04/14/18 20:42	17060-07-0	
Percent Moisture		Analytical Method: ASTM D2216-92M						
Percent Moisture	26.4	%	0.10	1		04/09/18 17:31		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: COYNE TEXTILE FACILITY 4/5

Pace Project No.: 7047482

Sample: SOIL-115 **Lab ID: 7047482009** Collected: 04/05/18 09:45 Received: 04/06/18 09:40 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8082 GCS PCB Analytical Method: EPA 8082A Preparation Method: EPA 3546								
PCB-1016 (Aroclor 1016)	<44.6	ug/kg	44.6	1	04/10/18 20:18	04/14/18 21:13	12674-11-2	
PCB-1221 (Aroclor 1221)	<90.5	ug/kg	90.5	1	04/10/18 20:18	04/14/18 21:13	11104-28-2	
PCB-1232 (Aroclor 1232)	<44.6	ug/kg	44.6	1	04/10/18 20:18	04/14/18 21:13	11141-16-5	
PCB-1242 (Aroclor 1242)	<44.6	ug/kg	44.6	1	04/10/18 20:18	04/14/18 21:13	53469-21-9	
PCB-1248 (Aroclor 1248)	<44.6	ug/kg	44.6	1	04/10/18 20:18	04/14/18 21:13	12672-29-6	
PCB-1254 (Aroclor 1254)	<44.6	ug/kg	44.6	1	04/10/18 20:18	04/14/18 21:13	11097-69-1	
PCB-1260 (Aroclor 1260)	<44.6	ug/kg	44.6	1	04/10/18 20:18	04/14/18 21:13	11096-82-5	
Surrogates								
Tetrachloro-m-xylene (S)	48	%	30-150	1	04/10/18 20:18	04/14/18 21:13	877-09-8	
Decachlorobiphenyl (S)	47	%	30-150	1	04/10/18 20:18	04/14/18 21:13	2051-24-3	
6010 MET ICP Analytical Method: EPA 6010C Preparation Method: EPA 3050B								
Aluminum	5870	mg/kg	12.4	1	04/09/18 11:14	04/11/18 05:07	7429-90-5	
Antimony	<3.7	mg/kg	3.7	1	04/09/18 11:14	04/11/18 05:07	7440-36-0	
Arsenic	3.4	mg/kg	0.62	1	04/09/18 11:14	04/11/18 05:07	7440-38-2	
Barium	79.4	mg/kg	12.4	1	04/09/18 11:14	04/11/18 05:07	7440-39-3	
Beryllium	0.34	mg/kg	0.31	1	04/09/18 11:14	04/11/18 05:07	7440-41-7	
Cadmium	0.81	mg/kg	0.16	1	04/09/18 11:14	04/11/18 05:07	7440-43-9	
Calcium	29800	mg/kg	62.2	1	04/09/18 11:14	04/11/18 05:07	7440-70-2	
Chromium	18.7	mg/kg	0.62	1	04/09/18 11:14	04/11/18 05:07	7440-47-3	
Cobalt	5.4	mg/kg	3.1	1	04/09/18 11:14	04/11/18 05:07	7440-48-4	
Copper	47.1	mg/kg	1.6	1	04/09/18 11:14	04/11/18 05:07	7440-50-8	
Iron	17600	mg/kg	6.2	1	04/09/18 11:14	04/11/18 05:07	7439-89-6	
Lead	158	mg/kg	0.31	1	04/09/18 11:14	04/11/18 05:07	7439-92-1	
Magnesium	8740	mg/kg	62.2	1	04/09/18 11:14	04/11/18 05:07	7439-95-4	
Manganese	219	mg/kg	0.93	1	04/09/18 11:14	04/11/18 05:07	7439-96-5	
Nickel	14.0	mg/kg	2.5	1	04/09/18 11:14	04/11/18 05:07	7440-02-0	
Potassium	897	mg/kg	311	1	04/09/18 11:14	04/11/18 05:07	7440-09-7	
Selenium	1.3	mg/kg	0.62	1	04/09/18 11:14	04/11/18 05:07	7782-49-2	
Silver	<0.62	mg/kg	0.62	1	04/09/18 11:14	04/11/18 05:07	7440-22-4	
Sodium	<311	mg/kg	311	1	04/09/18 11:14	04/11/18 05:07	7440-23-5	
Thallium	<0.62	mg/kg	0.62	1	04/09/18 11:14	04/11/18 05:07	7440-28-0	
Vanadium	23.9	mg/kg	3.1	1	04/09/18 11:14	04/11/18 05:07	7440-62-2	
Zinc	134	mg/kg	1.2	1	04/09/18 11:14	04/11/18 05:07	7440-66-6	
7471 Mercury Analytical Method: EPA 7471B Preparation Method: EPA 7471B								
Mercury	0.89	mg/kg	0.057	1	04/09/18 13:02	04/10/18 14:08	7439-97-6	
8270 MSSV Analytical Method: EPA 8270D Preparation Method: EPA 3545A								
1,2,4-Trichlorobenzene	<451	ug/kg	451	5	04/09/18 18:23	04/13/18 14:26	120-82-1	
2,2'-Oxybis(1-chloropropane)	<451	ug/kg	451	5	04/09/18 18:23	04/13/18 14:26	108-60-1	
2,4,5-Trichlorophenol	<451	ug/kg	451	5	04/09/18 18:23	04/13/18 14:26	95-95-4	
2,4,6-Trichlorophenol	<451	ug/kg	451	5	04/09/18 18:23	04/13/18 14:26	88-06-2	
2,4-Dichlorophenol	<451	ug/kg	451	5	04/09/18 18:23	04/13/18 14:26	120-83-2	
2,4-Dimethylphenol	<451	ug/kg	451	5	04/09/18 18:23	04/13/18 14:26	105-67-9	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: COYNE TEXTILE FACILITY 4/5

Pace Project No.: 7047482

Sample: SOIL-115 Lab ID: 7047482009 Collected: 04/05/18 09:45 Received: 04/06/18 09:40 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV								
Analytical Method: EPA 8270D Preparation Method: EPA 3545A								
2,4-Dinitrophenol	<4510	ug/kg	4510	5	04/09/18 18:23	04/13/18 14:26	51-28-5	
2,4-Dinitrotoluene	<2220	ug/kg	2220	5	04/09/18 18:23	04/13/18 14:26	121-14-2	
2,6-Dinitrotoluene	<2220	ug/kg	2220	5	04/09/18 18:23	04/13/18 14:26	606-20-2	
2-Chloronaphthalene	<451	ug/kg	451	5	04/09/18 18:23	04/13/18 14:26	91-58-7	
2-Chlorophenol	<451	ug/kg	451	5	04/09/18 18:23	04/13/18 14:26	95-57-8	
2-Methylnaphthalene	1040	ug/kg	451	5	04/09/18 18:23	04/13/18 14:26	91-57-6	
2-Methylphenol(o-Cresol)	<451	ug/kg	451	5	04/09/18 18:23	04/13/18 14:26	95-48-7	
2-Nitroaniline	<2220	ug/kg	2220	5	04/09/18 18:23	04/13/18 14:26	88-74-4	
2-Nitrophenol	<2220	ug/kg	2220	5	04/09/18 18:23	04/13/18 14:26	88-75-5	
3&4-Methylphenol(m&p Cresol)	<451	ug/kg	451	5	04/09/18 18:23	04/13/18 14:26		
3,3'-Dichlorobenzidine	<2220	ug/kg	2220	5	04/09/18 18:23	04/13/18 14:26	91-94-1	
3-Nitroaniline	<2220	ug/kg	2220	5	04/09/18 18:23	04/13/18 14:26	99-09-2	
4,6-Dinitro-2-methylphenol	<4510	ug/kg	4510	5	04/09/18 18:23	04/13/18 14:26	534-52-1	
4-Bromophenylphenyl ether	<451	ug/kg	451	5	04/09/18 18:23	04/13/18 14:26	101-55-3	
4-Chloro-3-methylphenol	<451	ug/kg	451	5	04/09/18 18:23	04/13/18 14:26	59-50-7	
4-Chloroaniline	<2220	ug/kg	2220	5	04/09/18 18:23	04/13/18 14:26	106-47-8	
4-Chlorophenylphenyl ether	<451	ug/kg	451	5	04/09/18 18:23	04/13/18 14:26	7005-72-3	
4-Nitroaniline	<2220	ug/kg	2220	5	04/09/18 18:23	04/13/18 14:26	100-01-6	L2
4-Nitrophenol	<4510	ug/kg	4510	5	04/09/18 18:23	04/13/18 14:26	100-02-7	
Acenaphthene	622	ug/kg	451	5	04/09/18 18:23	04/13/18 14:26	83-32-9	
Acenaphthylene	<451	ug/kg	451	5	04/09/18 18:23	04/13/18 14:26	208-96-8	
Acetophenone	<451	ug/kg	451	5	04/09/18 18:23	04/13/18 14:26	98-86-2	
Anthracene	631	ug/kg	451	5	04/09/18 18:23	04/13/18 14:26	120-12-7	
Atrazine	<451	ug/kg	451	5	04/09/18 18:23	04/13/18 14:26	1912-24-9	
Benzaldehyde	<451	ug/kg	451	5	04/09/18 18:23	04/13/18 14:26	100-52-7	CL,L2
Benzo(a)anthracene	1380	ug/kg	451	5	04/09/18 18:23	04/13/18 14:26	56-55-3	
Benzo(a)pyrene	999	ug/kg	451	5	04/09/18 18:23	04/13/18 14:26	50-32-8	
Benzo(b)fluoranthene	1150	ug/kg	451	5	04/09/18 18:23	04/13/18 14:26	205-99-2	
Benzo(g,h,i)perylene	<451	ug/kg	451	5	04/09/18 18:23	04/13/18 14:26	191-24-2	
Benzo(k)fluoranthene	571	ug/kg	451	5	04/09/18 18:23	04/13/18 14:26	207-08-9	
Biphenyl (Diphenyl)	<451	ug/kg	451	5	04/09/18 18:23	04/13/18 14:26	92-52-4	
Butylbenzylphthalate	<451	ug/kg	451	5	04/09/18 18:23	04/13/18 14:26	85-68-7	
Caprolactam	<451	ug/kg	451	5	04/09/18 18:23	04/13/18 14:26	105-60-2	
Carbazole	<451	ug/kg	451	5	04/09/18 18:23	04/13/18 14:26	86-74-8	
Chrysene	1660	ug/kg	451	5	04/09/18 18:23	04/13/18 14:26	218-01-9	
Di-n-butylphthalate	<451	ug/kg	451	5	04/09/18 18:23	04/13/18 14:26	84-74-2	
Di-n-octylphthalate	<451	ug/kg	451	5	04/09/18 18:23	04/13/18 14:26	117-84-0	
Dibenz(a,h)anthracene	<451	ug/kg	451	5	04/09/18 18:23	04/13/18 14:26	53-70-3	
Dibenzofuran	<451	ug/kg	451	5	04/09/18 18:23	04/13/18 14:26	132-64-9	
Diethylphthalate	<451	ug/kg	451	5	04/09/18 18:23	04/13/18 14:26	84-66-2	
Dimethylphthalate	<451	ug/kg	451	5	04/09/18 18:23	04/13/18 14:26	131-11-3	
Fluoranthene	2040	ug/kg	451	5	04/09/18 18:23	04/13/18 14:26	206-44-0	
Fluorene	758	ug/kg	451	5	04/09/18 18:23	04/13/18 14:26	86-73-7	
Hexachloro-1,3-butadiene	<451	ug/kg	451	5	04/09/18 18:23	04/13/18 14:26	87-68-3	
Hexachlorobenzene	<451	ug/kg	451	5	04/09/18 18:23	04/13/18 14:26	118-74-1	
Hexachlorocyclopentadiene	<2220	ug/kg	2220	5	04/09/18 18:23	04/13/18 14:26	77-47-4	CL

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: COYNE TEXTILE FACILITY 4/5

Pace Project No.: 7047482

Sample: **SOIL-115** Lab ID: **7047482009** Collected: 04/05/18 09:45 Received: 04/06/18 09:40 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Analytical Method: EPA 8270D Preparation Method: EPA 3545A								
Hexachloroethane	<451	ug/kg	451	5	04/09/18 18:23	04/13/18 14:26	67-72-1	
Indeno(1,2,3-cd)pyrene	<451	ug/kg	451	5	04/09/18 18:23	04/13/18 14:26	193-39-5	
Isophorone	<451	ug/kg	451	5	04/09/18 18:23	04/13/18 14:26	78-59-1	
N-Nitroso-di-n-propylamine	<451	ug/kg	451	5	04/09/18 18:23	04/13/18 14:26	621-64-7	
N-Nitrosodiphenylamine	<451	ug/kg	451	5	04/09/18 18:23	04/13/18 14:26	86-30-6	
Naphthalene	680	ug/kg	451	5	04/09/18 18:23	04/13/18 14:26	91-20-3	
Nitrobenzene	<451	ug/kg	451	5	04/09/18 18:23	04/13/18 14:26	98-95-3	
Pentachlorophenol	<4510	ug/kg	4510	5	04/09/18 18:23	04/13/18 14:26	87-86-5	
Phenanthrene	2700	ug/kg	451	5	04/09/18 18:23	04/13/18 14:26	85-01-8	
Phenol	<451	ug/kg	451	5	04/09/18 18:23	04/13/18 14:26	108-95-2	
Pyrene	2310	ug/kg	451	5	04/09/18 18:23	04/13/18 14:26	129-00-0	
bis(2-Chloroethoxy)methane	<451	ug/kg	451	5	04/09/18 18:23	04/13/18 14:26	111-91-1	
bis(2-Chloroethyl) ether	<451	ug/kg	451	5	04/09/18 18:23	04/13/18 14:26	111-44-4	
bis(2-Ethylhexyl)phthalate	<451	ug/kg	451	5	04/09/18 18:23	04/13/18 14:26	117-81-7	
Surrogates								
Nitrobenzene-d5 (S)	47	%	23-120	5	04/09/18 18:23	04/13/18 14:26	4165-60-0	
2-Fluorobiphenyl (S)	81	%	30-115	5	04/09/18 18:23	04/13/18 14:26	321-60-8	
p-Terphenyl-d14 (S)	97	%	18-137	5	04/09/18 18:23	04/13/18 14:26	1718-51-0	
Phenol-d5 (S)	66	%	24-113	5	04/09/18 18:23	04/13/18 14:26	4165-62-2	
2-Fluorophenol (S)	60	%	25-121	5	04/09/18 18:23	04/13/18 14:26	367-12-4	
2,4,6-Tribromophenol (S)	69	%	19-122	5	04/09/18 18:23	04/13/18 14:26	118-79-6	
2-Chlorophenol-d4 (S)	66	%	20-130	5	04/09/18 18:23	04/13/18 14:26	93951-73-6	
1,2-Dichlorobenzene-d4 (S)	62	%	20-130	5	04/09/18 18:23	04/13/18 14:26	2199-69-1	
8260 MSV 5035A-H Med Level Analytical Method: EPA 8260C Preparation Method: EPA 5035A-H/5030C								
Acetone	182	ug/kg	106	0.98	04/12/18 06:51	04/12/18 13:27	67-64-1	CH
Benzene	<106	ug/kg	106	0.98	04/12/18 06:51	04/12/18 13:27	71-43-2	
Bromobenzene	<106	ug/kg	106	0.98	04/12/18 06:51	04/12/18 13:27	108-86-1	
Bromochloromethane	<106	ug/kg	106	0.98	04/12/18 06:51	04/12/18 13:27	74-97-5	
Bromodichloromethane	<106	ug/kg	106	0.98	04/12/18 06:51	04/12/18 13:27	75-27-4	
Bromoform	<106	ug/kg	106	0.98	04/12/18 06:51	04/12/18 13:27	75-25-2	
Bromomethane	<106	ug/kg	106	0.98	04/12/18 06:51	04/12/18 13:27	74-83-9	L2
2-Butanone (MEK)	<106	ug/kg	106	0.98	04/12/18 06:51	04/12/18 13:27	78-93-3	L1
n-Butylbenzene	<106	ug/kg	106	0.98	04/12/18 06:51	04/12/18 13:27	104-51-8	
sec-Butylbenzene	<106	ug/kg	106	0.98	04/12/18 06:51	04/12/18 13:27	135-98-8	
tert-Butylbenzene	<106	ug/kg	106	0.98	04/12/18 06:51	04/12/18 13:27	98-06-6	
Carbon tetrachloride	<106	ug/kg	106	0.98	04/12/18 06:51	04/12/18 13:27	56-23-5	
Chlorobenzene	<106	ug/kg	106	0.98	04/12/18 06:51	04/12/18 13:27	108-90-7	
Chlorodifluoromethane	<106	ug/kg	106	0.98	04/12/18 06:51	04/12/18 13:27	75-45-6	N3
Chloroethane	<106	ug/kg	106	0.98	04/12/18 06:51	04/12/18 13:27	75-00-3	L2
Chloroform	<106	ug/kg	106	0.98	04/12/18 06:51	04/12/18 13:27	67-66-3	
Chloromethane	<106	ug/kg	106	0.98	04/12/18 06:51	04/12/18 13:27	74-87-3	
2-Chlorotoluene	<106	ug/kg	106	0.98	04/12/18 06:51	04/12/18 13:27	95-49-8	
4-Chlorotoluene	<106	ug/kg	106	0.98	04/12/18 06:51	04/12/18 13:27	106-43-4	
1,2-Dibromo-3-chloropropane	<106	ug/kg	106	0.98	04/12/18 06:51	04/12/18 13:27	96-12-8	
Dibromochloromethane	<106	ug/kg	106	0.98	04/12/18 06:51	04/12/18 13:27	124-48-1	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: COYNE TEXTILE FACILITY 4/5

Pace Project No.: 7047482

Sample: SOIL-115 Lab ID: 7047482009 Collected: 04/05/18 09:45 Received: 04/06/18 09:40 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035A-H Med Level		Analytical Method: EPA 8260C Preparation Method: EPA 5035A-H/5030C						
1,2-Dibromoethane (EDB)	<106	ug/kg	106	0.98	04/12/18 06:51	04/12/18 13:27	106-93-4	
Dibromomethane	<106	ug/kg	106	0.98	04/12/18 06:51	04/12/18 13:27	74-95-3	
1,2-Dichlorobenzene	<106	ug/kg	106	0.98	04/12/18 06:51	04/12/18 13:27	95-50-1	
1,3-Dichlorobenzene	<106	ug/kg	106	0.98	04/12/18 06:51	04/12/18 13:27	541-73-1	
1,4-Dichlorobenzene	<106	ug/kg	106	0.98	04/12/18 06:51	04/12/18 13:27	106-46-7	
Dichlorodifluoromethane	<106	ug/kg	106	0.98	04/12/18 06:51	04/12/18 13:27	75-71-8	CL
1,1-Dichloroethane	<106	ug/kg	106	0.98	04/12/18 06:51	04/12/18 13:27	75-34-3	
1,2-Dichloroethane	<106	ug/kg	106	0.98	04/12/18 06:51	04/12/18 13:27	107-06-2	
1,1-Dichloroethene	<106	ug/kg	106	0.98	04/12/18 06:51	04/12/18 13:27	75-35-4	
cis-1,2-Dichloroethene	<106	ug/kg	106	0.98	04/12/18 06:51	04/12/18 13:27	156-59-2	
trans-1,2-Dichloroethene	<106	ug/kg	106	0.98	04/12/18 06:51	04/12/18 13:27	156-60-5	
1,2-Dichloropropane	<106	ug/kg	106	0.98	04/12/18 06:51	04/12/18 13:27	78-87-5	
1,3-Dichloropropane	<106	ug/kg	106	0.98	04/12/18 06:51	04/12/18 13:27	142-28-9	
2,2-Dichloropropane	<106	ug/kg	106	0.98	04/12/18 06:51	04/12/18 13:27	594-20-7	
1,1-Dichloropropene	<106	ug/kg	106	0.98	04/12/18 06:51	04/12/18 13:27	563-58-6	
cis-1,3-Dichloropropene	<106	ug/kg	106	0.98	04/12/18 06:51	04/12/18 13:27	10061-01-5	
trans-1,3-Dichloropropene	<106	ug/kg	106	0.98	04/12/18 06:51	04/12/18 13:27	10061-02-6	
1,4-Diethylbenzene	122	ug/kg	106	0.98	04/12/18 06:51	04/12/18 13:27	105-05-5	N3
Ethylbenzene	<106	ug/kg	106	0.98	04/12/18 06:51	04/12/18 13:27	100-41-4	
4-Ethyltoluene	<106	ug/kg	106	0.98	04/12/18 06:51	04/12/18 13:27	622-96-8	N3
Hexachloro-1,3-butadiene	<106	ug/kg	106	0.98	04/12/18 06:51	04/12/18 13:27	87-68-3	CL
Isopropylbenzene (Cumene)	<106	ug/kg	106	0.98	04/12/18 06:51	04/12/18 13:27	98-82-8	
p-Isopropyltoluene	<106	ug/kg	106	0.98	04/12/18 06:51	04/12/18 13:27	99-87-6	
Methylene Chloride	<106	ug/kg	106	0.98	04/12/18 06:51	04/12/18 13:27	75-09-2	
4-Methyl-2-pentanone (MIBK)	<106	ug/kg	106	0.98	04/12/18 06:51	04/12/18 13:27	108-10-1	
Methyl-tert-butyl ether	<106	ug/kg	106	0.98	04/12/18 06:51	04/12/18 13:27	1634-04-4	
Naphthalene	<106	ug/kg	106	0.98	04/12/18 06:51	04/12/18 13:27	91-20-3	
n-Propylbenzene	<106	ug/kg	106	0.98	04/12/18 06:51	04/12/18 13:27	103-65-1	
Styrene	<106	ug/kg	106	0.98	04/12/18 06:51	04/12/18 13:27	100-42-5	
1,1,1,2-Tetrachloroethane	<106	ug/kg	106	0.98	04/12/18 06:51	04/12/18 13:27	630-20-6	
1,1,2,2-Tetrachloroethane	<106	ug/kg	106	0.98	04/12/18 06:51	04/12/18 13:27	79-34-5	
Tetrachloroethene	<106	ug/kg	106	0.98	04/12/18 06:51	04/12/18 13:27	127-18-4	
1,2,4,5-tetramethylbenzene	213	ug/kg	106	0.98	04/12/18 06:51	04/12/18 13:27	95-93-2	N3
Toluene	<106	ug/kg	106	0.98	04/12/18 06:51	04/12/18 13:27	108-88-3	
1,2,3-Trichlorobenzene	<106	ug/kg	106	0.98	04/12/18 06:51	04/12/18 13:27	87-61-6	CL
1,2,4-Trichlorobenzene	<106	ug/kg	106	0.98	04/12/18 06:51	04/12/18 13:27	120-82-1	
1,1,1-Trichloroethane	<106	ug/kg	106	0.98	04/12/18 06:51	04/12/18 13:27	71-55-6	
1,1,2-Trichloroethane	<106	ug/kg	106	0.98	04/12/18 06:51	04/12/18 13:27	79-00-5	L2
Trichloroethene	<106	ug/kg	106	0.98	04/12/18 06:51	04/12/18 13:27	79-01-6	
Trichlorofluoromethane	<106	ug/kg	106	0.98	04/12/18 06:51	04/12/18 13:27	75-69-4	L2
1,2,3-Trichloropropane	<106	ug/kg	106	0.98	04/12/18 06:51	04/12/18 13:27	96-18-4	
1,1,2-Trichlorotrifluoroethane	<106	ug/kg	106	0.98	04/12/18 06:51	04/12/18 13:27	76-13-1	
1,2,4-Trimethylbenzene	209	ug/kg	106	0.98	04/12/18 06:51	04/12/18 13:27	95-63-6	
1,3,5-Trimethylbenzene	<106	ug/kg	106	0.98	04/12/18 06:51	04/12/18 13:27	108-67-8	
Vinyl chloride	<106	ug/kg	106	0.98	04/12/18 06:51	04/12/18 13:27	75-01-4	
Xylene (Total)	<212	ug/kg	212	0.98	04/12/18 06:51	04/12/18 13:27	1330-20-7	

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ANALYTICAL RESULTS

Project: COYNE TEXTILE FACILITY 4/5

Pace Project No.: 7047482

Sample: SOIL-115 **Lab ID: 7047482009** Collected: 04/05/18 09:45 Received: 04/06/18 09:40 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035A-H Med Level		Analytical Method: EPA 8260C Preparation Method: EPA 5035A-H/5030C						
m&p-Xylene	<212	ug/kg	212	0.98	04/12/18 06:51	04/12/18 13:27	179601-23-1	
o-Xylene	<106	ug/kg	106	0.98	04/12/18 06:51	04/12/18 13:27	95-47-6	
Surrogates								
Toluene-d8 (S)	95	%	43-157	0.98	04/12/18 06:51	04/12/18 13:27	2037-26-5	
4-Bromofluorobenzene (S)	97	%	34-145	0.98	04/12/18 06:51	04/12/18 13:27	460-00-4	
1,2-Dichloroethane-d4 (S)	110	%	33-150	0.98	04/12/18 06:51	04/12/18 13:27	17060-07-0	
Percent Moisture		Analytical Method: ASTM D2216-92M						
Percent Moisture	26.0	%	0.10	1		04/09/18 17:34		

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ANALYTICAL RESULTS

Project: COYNE TEXTILE FACILITY 4/5

Pace Project No.: 7047482

Sample: SOIL-114 **Lab ID: 7047482010** Collected: 04/05/18 11:00 Received: 04/06/18 09:40 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8082 GCS PCB Analytical Method: EPA 8082A Preparation Method: EPA 3546								
PCB-1016 (Aroclor 1016)	<36.5	ug/kg	36.5	1	04/10/18 20:18	04/14/18 07:37	12674-11-2	
PCB-1221 (Aroclor 1221)	<74.0	ug/kg	74.0	1	04/10/18 20:18	04/14/18 07:37	11104-28-2	
PCB-1232 (Aroclor 1232)	<36.5	ug/kg	36.5	1	04/10/18 20:18	04/14/18 07:37	11141-16-5	
PCB-1242 (Aroclor 1242)	<36.5	ug/kg	36.5	1	04/10/18 20:18	04/14/18 07:37	53469-21-9	
PCB-1248 (Aroclor 1248)	<36.5	ug/kg	36.5	1	04/10/18 20:18	04/14/18 07:37	12672-29-6	
PCB-1254 (Aroclor 1254)	<36.5	ug/kg	36.5	1	04/10/18 20:18	04/14/18 07:37	11097-69-1	
PCB-1260 (Aroclor 1260)	<36.5	ug/kg	36.5	1	04/10/18 20:18	04/14/18 07:37	11096-82-5	
Surrogates								
Tetrachloro-m-xylene (S)	39	%	30-150	1	04/10/18 20:18	04/14/18 07:37	877-09-8	
Decachlorobiphenyl (S)	74	%	30-150	1	04/10/18 20:18	04/14/18 07:37	2051-24-3	
6010 MET ICP Analytical Method: EPA 6010C Preparation Method: EPA 3050B								
Aluminum	4310	mg/kg	11.4	1	04/09/18 11:14	04/11/18 05:23	7429-90-5	
Antimony	<3.4	mg/kg	3.4	1	04/09/18 11:14	04/11/18 05:23	7440-36-0	
Arsenic	4.8	mg/kg	0.57	1	04/09/18 11:14	04/11/18 05:23	7440-38-2	
Barium	404	mg/kg	11.4	1	04/09/18 11:14	04/11/18 05:23	7440-39-3	
Beryllium	<0.29	mg/kg	0.29	1	04/09/18 11:14	04/11/18 05:23	7440-41-7	
Cadmium	0.45	mg/kg	0.14	1	04/09/18 11:14	04/11/18 05:23	7440-43-9	
Calcium	110000	mg/kg	570	10	04/09/18 11:14	04/11/18 13:11	7440-70-2	
Chromium	8.8	mg/kg	0.57	1	04/09/18 11:14	04/11/18 05:23	7440-47-3	
Cobalt	4.4	mg/kg	2.9	1	04/09/18 11:14	04/11/18 05:23	7440-48-4	
Copper	6.9	mg/kg	1.4	1	04/09/18 11:14	04/11/18 05:23	7440-50-8	
Iron	13900	mg/kg	5.7	1	04/09/18 11:14	04/11/18 05:23	7439-89-6	
Lead	4.3	mg/kg	0.29	1	04/09/18 11:14	04/11/18 05:23	7439-92-1	
Magnesium	21700	mg/kg	57.0	1	04/09/18 11:14	04/11/18 05:23	7439-95-4	
Manganese	322	mg/kg	0.86	1	04/09/18 11:14	04/11/18 05:23	7439-96-5	
Nickel	11.5	mg/kg	2.3	1	04/09/18 11:14	04/11/18 05:23	7440-02-0	
Potassium	766	mg/kg	285	1	04/09/18 11:14	04/11/18 05:23	7440-09-7	
Selenium	<0.57	mg/kg	0.57	1	04/09/18 11:14	04/11/18 05:23	7782-49-2	
Silver	<0.57	mg/kg	0.57	1	04/09/18 11:14	04/11/18 05:23	7440-22-4	
Sodium	<285	mg/kg	285	1	04/09/18 11:14	04/11/18 05:23	7440-23-5	
Thallium	<0.57	mg/kg	0.57	1	04/09/18 11:14	04/11/18 05:23	7440-28-0	
Vanadium	8.1	mg/kg	2.9	1	04/09/18 11:14	04/11/18 05:23	7440-62-2	
Zinc	23.4	mg/kg	1.1	1	04/09/18 11:14	04/11/18 05:23	7440-66-6	
7471 Mercury Analytical Method: EPA 7471B Preparation Method: EPA 7471B								
Mercury	<0.037	mg/kg	0.037	1	04/09/18 13:02	04/10/18 14:10	7439-97-6	
8270 MSSV Analytical Method: EPA 8270D Preparation Method: EPA 3545A								
1,2,4-Trichlorobenzene	<73.6	ug/kg	73.6	1	04/09/18 18:23	04/12/18 19:45	120-82-1	
2,2'-Oxybis(1-chloropropane)	<73.6	ug/kg	73.6	1	04/09/18 18:23	04/12/18 19:45	108-60-1	
2,4,5-Trichlorophenol	<73.6	ug/kg	73.6	1	04/09/18 18:23	04/12/18 19:45	95-95-4	
2,4,6-Trichlorophenol	<73.6	ug/kg	73.6	1	04/09/18 18:23	04/12/18 19:45	88-06-2	
2,4-Dichlorophenol	<73.6	ug/kg	73.6	1	04/09/18 18:23	04/12/18 19:45	120-83-2	
2,4-Dimethylphenol	<73.6	ug/kg	73.6	1	04/09/18 18:23	04/12/18 19:45	105-67-9	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: COYNE TEXTILE FACILITY 4/5

Pace Project No.: 7047482

Sample: SOIL-114 Lab ID: 7047482010 Collected: 04/05/18 11:00 Received: 04/06/18 09:40 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV								
Analytical Method: EPA 8270D Preparation Method: EPA 3545A								
2,4-Dinitrophenol	<736	ug/kg	736	1	04/09/18 18:23	04/12/18 19:45	51-28-5	
2,4-Dinitrotoluene	<362	ug/kg	362	1	04/09/18 18:23	04/12/18 19:45	121-14-2	
2,6-Dinitrotoluene	<362	ug/kg	362	1	04/09/18 18:23	04/12/18 19:45	606-20-2	
2-Chloronaphthalene	<73.6	ug/kg	73.6	1	04/09/18 18:23	04/12/18 19:45	91-58-7	
2-Chlorophenol	<73.6	ug/kg	73.6	1	04/09/18 18:23	04/12/18 19:45	95-57-8	
2-Methylnaphthalene	<73.6	ug/kg	73.6	1	04/09/18 18:23	04/12/18 19:45	91-57-6	
2-Methylphenol(o-Cresol)	<73.6	ug/kg	73.6	1	04/09/18 18:23	04/12/18 19:45	95-48-7	
2-Nitroaniline	<362	ug/kg	362	1	04/09/18 18:23	04/12/18 19:45	88-74-4	
2-Nitrophenol	<362	ug/kg	362	1	04/09/18 18:23	04/12/18 19:45	88-75-5	
3&4-Methylphenol(m&p Cresol)	<73.6	ug/kg	73.6	1	04/09/18 18:23	04/12/18 19:45		
3,3'-Dichlorobenzidine	<362	ug/kg	362	1	04/09/18 18:23	04/12/18 19:45	91-94-1	
3-Nitroaniline	<362	ug/kg	362	1	04/09/18 18:23	04/12/18 19:45	99-09-2	
4,6-Dinitro-2-methylphenol	<736	ug/kg	736	1	04/09/18 18:23	04/12/18 19:45	534-52-1	
4-Bromophenylphenyl ether	<73.6	ug/kg	73.6	1	04/09/18 18:23	04/12/18 19:45	101-55-3	
4-Chloro-3-methylphenol	<73.6	ug/kg	73.6	1	04/09/18 18:23	04/12/18 19:45	59-50-7	
4-Chloroaniline	<362	ug/kg	362	1	04/09/18 18:23	04/12/18 19:45	106-47-8	
4-Chlorophenylphenyl ether	<73.6	ug/kg	73.6	1	04/09/18 18:23	04/12/18 19:45	7005-72-3	
4-Nitroaniline	<362	ug/kg	362	1	04/09/18 18:23	04/12/18 19:45	100-01-6	L2
4-Nitrophenol	<736	ug/kg	736	1	04/09/18 18:23	04/12/18 19:45	100-02-7	
Acenaphthene	<73.6	ug/kg	73.6	1	04/09/18 18:23	04/12/18 19:45	83-32-9	
Acenaphthylene	<73.6	ug/kg	73.6	1	04/09/18 18:23	04/12/18 19:45	208-96-8	
Acetophenone	<73.6	ug/kg	73.6	1	04/09/18 18:23	04/12/18 19:45	98-86-2	
Anthracene	<73.6	ug/kg	73.6	1	04/09/18 18:23	04/12/18 19:45	120-12-7	
Atrazine	<73.6	ug/kg	73.6	1	04/09/18 18:23	04/12/18 19:45	1912-24-9	
Benzaldehyde	<73.6	ug/kg	73.6	1	04/09/18 18:23	04/12/18 19:45	100-52-7	CL,L2
Benzo(a)anthracene	<73.6	ug/kg	73.6	1	04/09/18 18:23	04/12/18 19:45	56-55-3	
Benzo(a)pyrene	<73.6	ug/kg	73.6	1	04/09/18 18:23	04/12/18 19:45	50-32-8	
Benzo(b)fluoranthene	<73.6	ug/kg	73.6	1	04/09/18 18:23	04/12/18 19:45	205-99-2	
Benzo(g,h,i)perylene	<73.6	ug/kg	73.6	1	04/09/18 18:23	04/12/18 19:45	191-24-2	
Benzo(k)fluoranthene	<73.6	ug/kg	73.6	1	04/09/18 18:23	04/12/18 19:45	207-08-9	
Biphenyl (Diphenyl)	<73.6	ug/kg	73.6	1	04/09/18 18:23	04/12/18 19:45	92-52-4	
Butylbenzylphthalate	<73.6	ug/kg	73.6	1	04/09/18 18:23	04/12/18 19:45	85-68-7	
Caprolactam	<73.6	ug/kg	73.6	1	04/09/18 18:23	04/12/18 19:45	105-60-2	
Carbazole	<73.6	ug/kg	73.6	1	04/09/18 18:23	04/12/18 19:45	86-74-8	
Chrysene	<73.6	ug/kg	73.6	1	04/09/18 18:23	04/12/18 19:45	218-01-9	
Di-n-butylphthalate	<73.6	ug/kg	73.6	1	04/09/18 18:23	04/12/18 19:45	84-74-2	
Di-n-octylphthalate	<73.6	ug/kg	73.6	1	04/09/18 18:23	04/12/18 19:45	117-84-0	
Dibenz(a,h)anthracene	<73.6	ug/kg	73.6	1	04/09/18 18:23	04/12/18 19:45	53-70-3	
Dibenzofuran	<73.6	ug/kg	73.6	1	04/09/18 18:23	04/12/18 19:45	132-64-9	
Diethylphthalate	<73.6	ug/kg	73.6	1	04/09/18 18:23	04/12/18 19:45	84-66-2	
Dimethylphthalate	<73.6	ug/kg	73.6	1	04/09/18 18:23	04/12/18 19:45	131-11-3	
Fluoranthene	<73.6	ug/kg	73.6	1	04/09/18 18:23	04/12/18 19:45	206-44-0	
Fluorene	<73.6	ug/kg	73.6	1	04/09/18 18:23	04/12/18 19:45	86-73-7	
Hexachloro-1,3-butadiene	<73.6	ug/kg	73.6	1	04/09/18 18:23	04/12/18 19:45	87-68-3	
Hexachlorobenzene	<73.6	ug/kg	73.6	1	04/09/18 18:23	04/12/18 19:45	118-74-1	
Hexachlorocyclopentadiene	<362	ug/kg	362	1	04/09/18 18:23	04/12/18 19:45	77-47-4	CL

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: COYNE TEXTILE FACILITY 4/5

Pace Project No.: 7047482

Sample: SOIL-114 **Lab ID: 7047482010** Collected: 04/05/18 11:00 Received: 04/06/18 09:40 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Analytical Method: EPA 8270D Preparation Method: EPA 3545A								
Hexachloroethane	<73.6	ug/kg	73.6	1	04/09/18 18:23	04/12/18 19:45	67-72-1	
Indeno(1,2,3-cd)pyrene	<73.6	ug/kg	73.6	1	04/09/18 18:23	04/12/18 19:45	193-39-5	
Isophorone	<73.6	ug/kg	73.6	1	04/09/18 18:23	04/12/18 19:45	78-59-1	
N-Nitroso-di-n-propylamine	<73.6	ug/kg	73.6	1	04/09/18 18:23	04/12/18 19:45	621-64-7	
N-Nitrosodiphenylamine	<73.6	ug/kg	73.6	1	04/09/18 18:23	04/12/18 19:45	86-30-6	
Naphthalene	<73.6	ug/kg	73.6	1	04/09/18 18:23	04/12/18 19:45	91-20-3	
Nitrobenzene	<73.6	ug/kg	73.6	1	04/09/18 18:23	04/12/18 19:45	98-95-3	
Pentachlorophenol	<73.6	ug/kg	73.6	1	04/09/18 18:23	04/12/18 19:45	87-86-5	
Phenanthrene	<73.6	ug/kg	73.6	1	04/09/18 18:23	04/12/18 19:45	85-01-8	
Phenol	<73.6	ug/kg	73.6	1	04/09/18 18:23	04/12/18 19:45	108-95-2	
Pyrene	<73.6	ug/kg	73.6	1	04/09/18 18:23	04/12/18 19:45	129-00-0	
bis(2-Chloroethoxy)methane	<73.6	ug/kg	73.6	1	04/09/18 18:23	04/12/18 19:45	111-91-1	
bis(2-Chloroethyl) ether	<73.6	ug/kg	73.6	1	04/09/18 18:23	04/12/18 19:45	111-44-4	
bis(2-Ethylhexyl)phthalate	<73.6	ug/kg	73.6	1	04/09/18 18:23	04/12/18 19:45	117-81-7	
Surrogates								
Nitrobenzene-d5 (S)	57	%	23-120	1	04/09/18 18:23	04/12/18 19:45	4165-60-0	
2-Fluorobiphenyl (S)	64	%	30-115	1	04/09/18 18:23	04/12/18 19:45	321-60-8	
p-Terphenyl-d14 (S)	88	%	18-137	1	04/09/18 18:23	04/12/18 19:45	1718-51-0	
Phenol-d5 (S)	53	%	24-113	1	04/09/18 18:23	04/12/18 19:45	4165-62-2	
2-Fluorophenol (S)	50	%	25-121	1	04/09/18 18:23	04/12/18 19:45	367-12-4	
2,4,6-Tribromophenol (S)	51	%	19-122	1	04/09/18 18:23	04/12/18 19:45	118-79-6	
2-Chlorophenol-d4 (S)	54	%	20-130	1	04/09/18 18:23	04/12/18 19:45	93951-73-6	
1,2-Dichlorobenzene-d4 (S)	52	%	20-130	1	04/09/18 18:23	04/12/18 19:45	2199-69-1	
8260C MSV 5035A-L Low Level Analytical Method: EPA 8260C Preparation Method: EPA 5035A-L								
1,1,1-Trichloroethane	<1.4	ug/kg	1.4	1	04/14/18 10:55	04/14/18 21:07	71-55-6	
1,1,2,2-Tetrachloroethane	<1.4	ug/kg	1.4	1	04/14/18 10:55	04/14/18 21:07	79-34-5	
1,1,2-Trichloroethane	<1.4	ug/kg	1.4	1	04/14/18 10:55	04/14/18 21:07	79-00-5	L1
1,1,2-Trichlorotrifluoroethane	<1.4	ug/kg	1.4	1	04/14/18 10:55	04/14/18 21:07	76-13-1	
1,1-Dichloroethane	<1.4	ug/kg	1.4	1	04/14/18 10:55	04/14/18 21:07	75-34-3	
1,1-Dichloroethene	<1.4	ug/kg	1.4	1	04/14/18 10:55	04/14/18 21:07	75-35-4	
1,2,4-Trichlorobenzene	<1.4	ug/kg	1.4	1	04/14/18 10:55	04/14/18 21:07	120-82-1	
1,2-Dibromo-3-chloropropane	<1.4	ug/kg	1.4	1	04/14/18 10:55	04/14/18 21:07	96-12-8	
1,2-Dibromoethane (EDB)	<1.4	ug/kg	1.4	1	04/14/18 10:55	04/14/18 21:07	106-93-4	L1
1,2-Dichlorobenzene	<1.4	ug/kg	1.4	1	04/14/18 10:55	04/14/18 21:07	95-50-1	
1,2-Dichloroethane	<1.4	ug/kg	1.4	1	04/14/18 10:55	04/14/18 21:07	107-06-2	
1,2-Dichloropropane	<1.4	ug/kg	1.4	1	04/14/18 10:55	04/14/18 21:07	78-87-5	
1,3-Dichlorobenzene	<1.4	ug/kg	1.4	1	04/14/18 10:55	04/14/18 21:07	541-73-1	
1,4-Dichlorobenzene	<1.4	ug/kg	1.4	1	04/14/18 10:55	04/14/18 21:07	106-46-7	
2-Butanone (MEK)	<1.4	ug/kg	1.4	1	04/14/18 10:55	04/14/18 21:07	78-93-3	
2-Hexanone	<1.4	ug/kg	1.4	1	04/14/18 10:55	04/14/18 21:07	591-78-6	
4-Methyl-2-pentanone (MIBK)	<1.4	ug/kg	1.4	1	04/14/18 10:55	04/14/18 21:07	108-10-1	L1
Acetone	10.7	ug/kg	1.4	1	04/14/18 10:55	04/14/18 21:07	67-64-1	IH
Benzene	19.0	ug/kg	1.4	1	04/14/18 10:55	04/14/18 21:07	71-43-2	
Bromodichloromethane	<1.4	ug/kg	1.4	1	04/14/18 10:55	04/14/18 21:07	75-27-4	
Bromoform	<1.4	ug/kg	1.4	1	04/14/18 10:55	04/14/18 21:07	75-25-2	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: COYNE TEXTILE FACILITY 4/5

Pace Project No.: 7047482

Sample: SOIL-114 **Lab ID: 7047482010** Collected: 04/05/18 11:00 Received: 04/06/18 09:40 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260C MSV 5035A-L Low Level		Analytical Method: EPA 8260C Preparation Method: EPA 5035A-L						
Bromomethane	<1.4	ug/kg	1.4	1	04/14/18 10:55	04/14/18 21:07	74-83-9	
Carbon disulfide	2.3	ug/kg	1.4	1	04/14/18 10:55	04/14/18 21:07	75-15-0	
Carbon tetrachloride	<1.4	ug/kg	1.4	1	04/14/18 10:55	04/14/18 21:07	56-23-5	
Chlorobenzene	<1.4	ug/kg	1.4	1	04/14/18 10:55	04/14/18 21:07	108-90-7	
Chloroethane	<1.4	ug/kg	1.4	1	04/14/18 10:55	04/14/18 21:07	75-00-3	
Chloroform	<1.4	ug/kg	1.4	1	04/14/18 10:55	04/14/18 21:07	67-66-3	
Chloromethane	<1.4	ug/kg	1.4	1	04/14/18 10:55	04/14/18 21:07	74-87-3	
Cyclohexane	<1.4	ug/kg	1.4	1	04/14/18 10:55	04/14/18 21:07	110-82-7	
Dibromochloromethane	<1.4	ug/kg	1.4	1	04/14/18 10:55	04/14/18 21:07	124-48-1	
Dichlorodifluoromethane	<1.4	ug/kg	1.4	1	04/14/18 10:55	04/14/18 21:07	75-71-8	CL
Ethylbenzene	<1.4	ug/kg	1.4	1	04/14/18 10:55	04/14/18 21:07	100-41-4	
Isopropylbenzene (Cumene)	<1.4	ug/kg	1.4	1	04/14/18 10:55	04/14/18 21:07	98-82-8	
Methyl acetate	<1.4	ug/kg	1.4	1	04/14/18 10:55	04/14/18 21:07	79-20-9	
Methyl-tert-butyl ether	<1.4	ug/kg	1.4	1	04/14/18 10:55	04/14/18 21:07	1634-04-4	
Methylcyclohexane	<1.4	ug/kg	1.4	1	04/14/18 10:55	04/14/18 21:07	108-87-2	
Methylene Chloride	<1.4	ug/kg	1.4	1	04/14/18 10:55	04/14/18 21:07	75-09-2	
Styrene	<1.4	ug/kg	1.4	1	04/14/18 10:55	04/14/18 21:07	100-42-5	
Tetrachloroethene	<1.4	ug/kg	1.4	1	04/14/18 10:55	04/14/18 21:07	127-18-4	
Toluene	<1.4	ug/kg	1.4	1	04/14/18 10:55	04/14/18 21:07	108-88-3	L1
Trichloroethene	<1.4	ug/kg	1.4	1	04/14/18 10:55	04/14/18 21:07	79-01-6	
Trichlorofluoromethane	<1.4	ug/kg	1.4	1	04/14/18 10:55	04/14/18 21:07	75-69-4	
Vinyl chloride	<1.4	ug/kg	1.4	1	04/14/18 10:55	04/14/18 21:07	75-01-4	
Xylene (Total)	<2.8	ug/kg	2.8	1	04/14/18 10:55	04/14/18 21:07	1330-20-7	
cis-1,2-Dichloroethene	<1.4	ug/kg	1.4	1	04/14/18 10:55	04/14/18 21:07	156-59-2	
cis-1,3-Dichloropropene	<1.4	ug/kg	1.4	1	04/14/18 10:55	04/14/18 21:07	10061-01-5	
trans-1,2-Dichloroethene	<1.4	ug/kg	1.4	1	04/14/18 10:55	04/14/18 21:07	156-60-5	CL
trans-1,3-Dichloropropene	<1.4	ug/kg	1.4	1	04/14/18 10:55	04/14/18 21:07	10061-02-6	L1
Surrogates								
Toluene-d8 (S)	88	%	43-157	1	04/14/18 10:55	04/14/18 21:07	2037-26-5	
4-Bromofluorobenzene (S)	92	%	34-145	1	04/14/18 10:55	04/14/18 21:07	460-00-4	
1,2-Dichloroethane-d4 (S)	111	%	33-150	1	04/14/18 10:55	04/14/18 21:07	17060-07-0	
Percent Moisture		Analytical Method: ASTM D2216-92M						
Percent Moisture	9.5	%	0.10	1		04/09/18 17:34		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: COYNE TEXTILE FACILITY 4/5

Pace Project No.: 7047482

Sample: **SOIL-DUP100** Lab ID: **7047482011** Collected: 04/05/18 11:10 Received: 04/06/18 09:40 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8082 GCS PCB Analytical Method: EPA 8082A Preparation Method: EPA 3546								
PCB-1016 (Aroclor 1016)	<35.6	ug/kg	35.6	1	04/10/18 20:18	04/14/18 07:50	12674-11-2	
PCB-1221 (Aroclor 1221)	<72.3	ug/kg	72.3	1	04/10/18 20:18	04/14/18 07:50	11104-28-2	
PCB-1232 (Aroclor 1232)	<35.6	ug/kg	35.6	1	04/10/18 20:18	04/14/18 07:50	11141-16-5	
PCB-1242 (Aroclor 1242)	<35.6	ug/kg	35.6	1	04/10/18 20:18	04/14/18 07:50	53469-21-9	
PCB-1248 (Aroclor 1248)	<35.6	ug/kg	35.6	1	04/10/18 20:18	04/14/18 07:50	12672-29-6	
PCB-1254 (Aroclor 1254)	<35.6	ug/kg	35.6	1	04/10/18 20:18	04/14/18 07:50	11097-69-1	
PCB-1260 (Aroclor 1260)	<35.6	ug/kg	35.6	1	04/10/18 20:18	04/14/18 07:50	11096-82-5	
Surrogates								
Tetrachloro-m-xylene (S)	47	%	30-150	1	04/10/18 20:18	04/14/18 07:50	877-09-8	
Decachlorobiphenyl (S)	76	%	30-150	1	04/10/18 20:18	04/14/18 07:50	2051-24-3	
6010 MET ICP Analytical Method: EPA 6010C Preparation Method: EPA 3050B								
Aluminum	3470	mg/kg	10.8	1	04/09/18 11:14	04/11/18 05:28	7429-90-5	
Antimony	<3.2	mg/kg	3.2	1	04/09/18 11:14	04/11/18 05:28	7440-36-0	
Arsenic	2.9	mg/kg	0.54	1	04/09/18 11:14	04/11/18 05:28	7440-38-2	
Barium	33.8	mg/kg	10.8	1	04/09/18 11:14	04/11/18 05:28	7440-39-3	
Beryllium	<0.27	mg/kg	0.27	1	04/09/18 11:14	04/11/18 05:28	7440-41-7	
Cadmium	0.28	mg/kg	0.14	1	04/09/18 11:14	04/11/18 05:28	7440-43-9	
Calcium	70200	mg/kg	540	10	04/09/18 11:14	04/11/18 13:14	7440-70-2	
Chromium	6.9	mg/kg	0.54	1	04/09/18 11:14	04/11/18 05:28	7440-47-3	
Cobalt	3.0	mg/kg	2.7	1	04/09/18 11:14	04/11/18 05:28	7440-48-4	
Copper	5.1	mg/kg	1.4	1	04/09/18 11:14	04/11/18 05:28	7440-50-8	
Iron	10400	mg/kg	5.4	1	04/09/18 11:14	04/11/18 05:28	7439-89-6	
Lead	2.8	mg/kg	0.27	1	04/09/18 11:14	04/11/18 05:28	7439-92-1	
Magnesium	16800	mg/kg	54.0	1	04/09/18 11:14	04/11/18 05:28	7439-95-4	
Manganese	275	mg/kg	0.81	1	04/09/18 11:14	04/11/18 05:28	7439-96-5	
Nickel	8.0	mg/kg	2.2	1	04/09/18 11:14	04/11/18 05:28	7440-02-0	
Potassium	636	mg/kg	270	1	04/09/18 11:14	04/11/18 05:28	7440-09-7	
Selenium	<0.54	mg/kg	0.54	1	04/09/18 11:14	04/11/18 05:28	7782-49-2	
Silver	<0.54	mg/kg	0.54	1	04/09/18 11:14	04/11/18 05:28	7440-22-4	
Sodium	<270	mg/kg	270	1	04/09/18 11:14	04/11/18 05:28	7440-23-5	
Thallium	<0.54	mg/kg	0.54	1	04/09/18 11:14	04/11/18 05:28	7440-28-0	
Vanadium	6.1	mg/kg	2.7	1	04/09/18 11:14	04/11/18 05:28	7440-62-2	
Zinc	19.1	mg/kg	1.1	1	04/09/18 11:14	04/11/18 05:28	7440-66-6	
7471 Mercury Analytical Method: EPA 7471B Preparation Method: EPA 7471B								
Mercury	<0.037	mg/kg	0.037	1	04/09/18 13:02	04/10/18 14:13	7439-97-6	
8270 MSSV Analytical Method: EPA 8270D Preparation Method: EPA 3545A								
1,2,4-Trichlorobenzene	<72.2	ug/kg	72.2	1	04/09/18 18:23	04/12/18 19:18	120-82-1	
2,2'-Oxybis(1-chloropropane)	<72.2	ug/kg	72.2	1	04/09/18 18:23	04/12/18 19:18	108-60-1	
2,4,5-Trichlorophenol	<72.2	ug/kg	72.2	1	04/09/18 18:23	04/12/18 19:18	95-95-4	
2,4,6-Trichlorophenol	<72.2	ug/kg	72.2	1	04/09/18 18:23	04/12/18 19:18	88-06-2	
2,4-Dichlorophenol	<72.2	ug/kg	72.2	1	04/09/18 18:23	04/12/18 19:18	120-83-2	
2,4-Dimethylphenol	<72.2	ug/kg	72.2	1	04/09/18 18:23	04/12/18 19:18	105-67-9	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: COYNE TEXTILE FACILITY 4/5

Pace Project No.: 7047482

Sample: **SOIL-DUP100** Lab ID: **7047482011** Collected: 04/05/18 11:10 Received: 04/06/18 09:40 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV								
Analytical Method: EPA 8270D Preparation Method: EPA 3545A								
2,4-Dinitrophenol	<722	ug/kg	722	1	04/09/18 18:23	04/12/18 19:18	51-28-5	
2,4-Dinitrotoluene	<356	ug/kg	356	1	04/09/18 18:23	04/12/18 19:18	121-14-2	
2,6-Dinitrotoluene	<356	ug/kg	356	1	04/09/18 18:23	04/12/18 19:18	606-20-2	
2-Chloronaphthalene	<72.2	ug/kg	72.2	1	04/09/18 18:23	04/12/18 19:18	91-58-7	
2-Chlorophenol	<72.2	ug/kg	72.2	1	04/09/18 18:23	04/12/18 19:18	95-57-8	
2-Methylnaphthalene	<72.2	ug/kg	72.2	1	04/09/18 18:23	04/12/18 19:18	91-57-6	
2-Methylphenol(o-Cresol)	<72.2	ug/kg	72.2	1	04/09/18 18:23	04/12/18 19:18	95-48-7	
2-Nitroaniline	<356	ug/kg	356	1	04/09/18 18:23	04/12/18 19:18	88-74-4	
2-Nitrophenol	<356	ug/kg	356	1	04/09/18 18:23	04/12/18 19:18	88-75-5	
3&4-Methylphenol(m&p Cresol)	<72.2	ug/kg	72.2	1	04/09/18 18:23	04/12/18 19:18		
3,3'-Dichlorobenzidine	<356	ug/kg	356	1	04/09/18 18:23	04/12/18 19:18	91-94-1	
3-Nitroaniline	<356	ug/kg	356	1	04/09/18 18:23	04/12/18 19:18	99-09-2	
4,6-Dinitro-2-methylphenol	<722	ug/kg	722	1	04/09/18 18:23	04/12/18 19:18	534-52-1	
4-Bromophenylphenyl ether	<72.2	ug/kg	72.2	1	04/09/18 18:23	04/12/18 19:18	101-55-3	
4-Chloro-3-methylphenol	<72.2	ug/kg	72.2	1	04/09/18 18:23	04/12/18 19:18	59-50-7	
4-Chloroaniline	<356	ug/kg	356	1	04/09/18 18:23	04/12/18 19:18	106-47-8	
4-Chlorophenylphenyl ether	<72.2	ug/kg	72.2	1	04/09/18 18:23	04/12/18 19:18	7005-72-3	
4-Nitroaniline	<356	ug/kg	356	1	04/09/18 18:23	04/12/18 19:18	100-01-6	L2
4-Nitrophenol	<722	ug/kg	722	1	04/09/18 18:23	04/12/18 19:18	100-02-7	
Acenaphthene	<72.2	ug/kg	72.2	1	04/09/18 18:23	04/12/18 19:18	83-32-9	
Acenaphthylene	<72.2	ug/kg	72.2	1	04/09/18 18:23	04/12/18 19:18	208-96-8	
Acetophenone	<72.2	ug/kg	72.2	1	04/09/18 18:23	04/12/18 19:18	98-86-2	
Anthracene	<72.2	ug/kg	72.2	1	04/09/18 18:23	04/12/18 19:18	120-12-7	
Atrazine	<72.2	ug/kg	72.2	1	04/09/18 18:23	04/12/18 19:18	1912-24-9	
Benzaldehyde	<72.2	ug/kg	72.2	1	04/09/18 18:23	04/12/18 19:18	100-52-7	CL,L2
Benzo(a)anthracene	<72.2	ug/kg	72.2	1	04/09/18 18:23	04/12/18 19:18	56-55-3	
Benzo(a)pyrene	<72.2	ug/kg	72.2	1	04/09/18 18:23	04/12/18 19:18	50-32-8	
Benzo(b)fluoranthene	<72.2	ug/kg	72.2	1	04/09/18 18:23	04/12/18 19:18	205-99-2	
Benzo(g,h,i)perylene	<72.2	ug/kg	72.2	1	04/09/18 18:23	04/12/18 19:18	191-24-2	
Benzo(k)fluoranthene	<72.2	ug/kg	72.2	1	04/09/18 18:23	04/12/18 19:18	207-08-9	
Biphenyl (Diphenyl)	<72.2	ug/kg	72.2	1	04/09/18 18:23	04/12/18 19:18	92-52-4	
Butylbenzylphthalate	<72.2	ug/kg	72.2	1	04/09/18 18:23	04/12/18 19:18	85-68-7	
Caprolactam	<72.2	ug/kg	72.2	1	04/09/18 18:23	04/12/18 19:18	105-60-2	
Carbazole	<72.2	ug/kg	72.2	1	04/09/18 18:23	04/12/18 19:18	86-74-8	
Chrysene	<72.2	ug/kg	72.2	1	04/09/18 18:23	04/12/18 19:18	218-01-9	
Di-n-butylphthalate	<72.2	ug/kg	72.2	1	04/09/18 18:23	04/12/18 19:18	84-74-2	
Di-n-octylphthalate	<72.2	ug/kg	72.2	1	04/09/18 18:23	04/12/18 19:18	117-84-0	
Dibenz(a,h)anthracene	<72.2	ug/kg	72.2	1	04/09/18 18:23	04/12/18 19:18	53-70-3	
Dibenzofuran	<72.2	ug/kg	72.2	1	04/09/18 18:23	04/12/18 19:18	132-64-9	
Diethylphthalate	<72.2	ug/kg	72.2	1	04/09/18 18:23	04/12/18 19:18	84-66-2	
Dimethylphthalate	<72.2	ug/kg	72.2	1	04/09/18 18:23	04/12/18 19:18	131-11-3	
Fluoranthene	<72.2	ug/kg	72.2	1	04/09/18 18:23	04/12/18 19:18	206-44-0	
Fluorene	<72.2	ug/kg	72.2	1	04/09/18 18:23	04/12/18 19:18	86-73-7	
Hexachloro-1,3-butadiene	<72.2	ug/kg	72.2	1	04/09/18 18:23	04/12/18 19:18	87-68-3	
Hexachlorobenzene	<72.2	ug/kg	72.2	1	04/09/18 18:23	04/12/18 19:18	118-74-1	
Hexachlorocyclopentadiene	<356	ug/kg	356	1	04/09/18 18:23	04/12/18 19:18	77-47-4	CL

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: COYNE TEXTILE FACILITY 4/5

Sample Project No.: 7047482

Sample: **SOIL-DUP100** Lab ID: **7047482011** Collected: 04/05/18 11:10 Received: 04/06/18 09:40 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Analytical Method: EPA 8270D Preparation Method: EPA 3545A								
Hexachloroethane	<72.2	ug/kg	72.2	1	04/09/18 18:23	04/12/18 19:18	67-72-1	
Indeno(1,2,3-cd)pyrene	<72.2	ug/kg	72.2	1	04/09/18 18:23	04/12/18 19:18	193-39-5	
Isophorone	<72.2	ug/kg	72.2	1	04/09/18 18:23	04/12/18 19:18	78-59-1	
N-Nitroso-di-n-propylamine	<72.2	ug/kg	72.2	1	04/09/18 18:23	04/12/18 19:18	621-64-7	
N-Nitrosodiphenylamine	<72.2	ug/kg	72.2	1	04/09/18 18:23	04/12/18 19:18	86-30-6	
Naphthalene	<72.2	ug/kg	72.2	1	04/09/18 18:23	04/12/18 19:18	91-20-3	
Nitrobenzene	<72.2	ug/kg	72.2	1	04/09/18 18:23	04/12/18 19:18	98-95-3	
Pentachlorophenol	<72.2	ug/kg	72.2	1	04/09/18 18:23	04/12/18 19:18	87-86-5	
Phenanthrene	<72.2	ug/kg	72.2	1	04/09/18 18:23	04/12/18 19:18	85-01-8	
Phenol	<72.2	ug/kg	72.2	1	04/09/18 18:23	04/12/18 19:18	108-95-2	
Pyrene	<72.2	ug/kg	72.2	1	04/09/18 18:23	04/12/18 19:18	129-00-0	
bis(2-Chloroethoxy)methane	<72.2	ug/kg	72.2	1	04/09/18 18:23	04/12/18 19:18	111-91-1	
bis(2-Chloroethyl) ether	<72.2	ug/kg	72.2	1	04/09/18 18:23	04/12/18 19:18	111-44-4	
bis(2-Ethylhexyl)phthalate	<72.2	ug/kg	72.2	1	04/09/18 18:23	04/12/18 19:18	117-81-7	
Surrogates								
Nitrobenzene-d5 (S)	63	%	23-120	1	04/09/18 18:23	04/12/18 19:18	4165-60-0	
2-Fluorobiphenyl (S)	69	%	30-115	1	04/09/18 18:23	04/12/18 19:18	321-60-8	
p-Terphenyl-d14 (S)	78	%	18-137	1	04/09/18 18:23	04/12/18 19:18	1718-51-0	
Phenol-d5 (S)	51	%	24-113	1	04/09/18 18:23	04/12/18 19:18	4165-62-2	
2-Fluorophenol (S)	50	%	25-121	1	04/09/18 18:23	04/12/18 19:18	367-12-4	
2,4,6-Tribromophenol (S)	68	%	19-122	1	04/09/18 18:23	04/12/18 19:18	118-79-6	
2-Chlorophenol-d4 (S)	59	%	20-130	1	04/09/18 18:23	04/12/18 19:18	93951-73-6	
1,2-Dichlorobenzene-d4 (S)	57	%	20-130	1	04/09/18 18:23	04/12/18 19:18	2199-69-1	
8260C MSV 5035A-L Low Level Analytical Method: EPA 8260C Preparation Method: EPA 5035A-L								
1,1,1-Trichloroethane	<1.8	ug/kg	1.8	1	04/14/18 10:55	04/14/18 21:33	71-55-6	
1,1,2,2-Tetrachloroethane	<1.8	ug/kg	1.8	1	04/14/18 10:55	04/14/18 21:33	79-34-5	
1,1,2-Trichloroethane	<1.8	ug/kg	1.8	1	04/14/18 10:55	04/14/18 21:33	79-00-5	L1
1,1,2-Trichlorotrifluoroethane	<1.8	ug/kg	1.8	1	04/14/18 10:55	04/14/18 21:33	76-13-1	
1,1-Dichloroethane	<1.8	ug/kg	1.8	1	04/14/18 10:55	04/14/18 21:33	75-34-3	
1,1-Dichloroethene	<1.8	ug/kg	1.8	1	04/14/18 10:55	04/14/18 21:33	75-35-4	
1,2,4-Trichlorobenzene	<1.8	ug/kg	1.8	1	04/14/18 10:55	04/14/18 21:33	120-82-1	
1,2-Dibromo-3-chloropropane	<1.8	ug/kg	1.8	1	04/14/18 10:55	04/14/18 21:33	96-12-8	
1,2-Dibromoethane (EDB)	<1.8	ug/kg	1.8	1	04/14/18 10:55	04/14/18 21:33	106-93-4	L1
1,2-Dichlorobenzene	<1.8	ug/kg	1.8	1	04/14/18 10:55	04/14/18 21:33	95-50-1	
1,2-Dichloroethane	<1.8	ug/kg	1.8	1	04/14/18 10:55	04/14/18 21:33	107-06-2	
1,2-Dichloropropane	<1.8	ug/kg	1.8	1	04/14/18 10:55	04/14/18 21:33	78-87-5	
1,3-Dichlorobenzene	<1.8	ug/kg	1.8	1	04/14/18 10:55	04/14/18 21:33	541-73-1	
1,4-Dichlorobenzene	<1.8	ug/kg	1.8	1	04/14/18 10:55	04/14/18 21:33	106-46-7	
2-Butanone (MEK)	36.5	ug/kg	1.8	1	04/14/18 10:55	04/14/18 21:33	78-93-3	
2-Hexanone	<1.8	ug/kg	1.8	1	04/14/18 10:55	04/14/18 21:33	591-78-6	
4-Methyl-2-pentanone (MIBK)	<1.8	ug/kg	1.8	1	04/14/18 10:55	04/14/18 21:33	108-10-1	L1
Acetone	131	ug/kg	1.8	1	04/14/18 10:55	04/14/18 21:33	67-64-1	IH
Benzene	<1.8	ug/kg	1.8	1	04/14/18 10:55	04/14/18 21:33	71-43-2	
Bromodichloromethane	<1.8	ug/kg	1.8	1	04/14/18 10:55	04/14/18 21:33	75-27-4	
Bromoform	<1.8	ug/kg	1.8	1	04/14/18 10:55	04/14/18 21:33	75-25-2	

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ANALYTICAL RESULTS

Project: COYNE TEXTILE FACILITY 4/5

Pace Project No.: 7047482

Sample: SOIL-DUP100 **Lab ID: 7047482011** Collected: 04/05/18 11:10 Received: 04/06/18 09:40 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260C MSV 5035A-L Low Level		Analytical Method: EPA 8260C Preparation Method: EPA 5035A-L						
Bromomethane	<1.8	ug/kg	1.8	1	04/14/18 10:55	04/14/18 21:33	74-83-9	
Carbon disulfide	<1.8	ug/kg	1.8	1	04/14/18 10:55	04/14/18 21:33	75-15-0	
Carbon tetrachloride	<1.8	ug/kg	1.8	1	04/14/18 10:55	04/14/18 21:33	56-23-5	
Chlorobenzene	<1.8	ug/kg	1.8	1	04/14/18 10:55	04/14/18 21:33	108-90-7	
Chloroethane	<1.8	ug/kg	1.8	1	04/14/18 10:55	04/14/18 21:33	75-00-3	
Chloroform	<1.8	ug/kg	1.8	1	04/14/18 10:55	04/14/18 21:33	67-66-3	
Chloromethane	<1.8	ug/kg	1.8	1	04/14/18 10:55	04/14/18 21:33	74-87-3	
Cyclohexane	<1.8	ug/kg	1.8	1	04/14/18 10:55	04/14/18 21:33	110-82-7	
Dibromochloromethane	<1.8	ug/kg	1.8	1	04/14/18 10:55	04/14/18 21:33	124-48-1	
Dichlorodifluoromethane	<1.8	ug/kg	1.8	1	04/14/18 10:55	04/14/18 21:33	75-71-8	CL
Ethylbenzene	<1.8	ug/kg	1.8	1	04/14/18 10:55	04/14/18 21:33	100-41-4	
Isopropylbenzene (Cumene)	<1.8	ug/kg	1.8	1	04/14/18 10:55	04/14/18 21:33	98-82-8	
Methyl acetate	<1.8	ug/kg	1.8	1	04/14/18 10:55	04/14/18 21:33	79-20-9	
Methyl-tert-butyl ether	<1.8	ug/kg	1.8	1	04/14/18 10:55	04/14/18 21:33	1634-04-4	
Methylcyclohexane	<1.8	ug/kg	1.8	1	04/14/18 10:55	04/14/18 21:33	108-87-2	
Methylene Chloride	<1.8	ug/kg	1.8	1	04/14/18 10:55	04/14/18 21:33	75-09-2	
Styrene	<1.8	ug/kg	1.8	1	04/14/18 10:55	04/14/18 21:33	100-42-5	
Tetrachloroethene	<1.8	ug/kg	1.8	1	04/14/18 10:55	04/14/18 21:33	127-18-4	
Toluene	<1.8	ug/kg	1.8	1	04/14/18 10:55	04/14/18 21:33	108-88-3	L1
Trichloroethene	<1.8	ug/kg	1.8	1	04/14/18 10:55	04/14/18 21:33	79-01-6	
Trichlorofluoromethane	<1.8	ug/kg	1.8	1	04/14/18 10:55	04/14/18 21:33	75-69-4	
Vinyl chloride	<1.8	ug/kg	1.8	1	04/14/18 10:55	04/14/18 21:33	75-01-4	
Xylene (Total)	<3.5	ug/kg	3.5	1	04/14/18 10:55	04/14/18 21:33	1330-20-7	
cis-1,2-Dichloroethene	<1.8	ug/kg	1.8	1	04/14/18 10:55	04/14/18 21:33	156-59-2	
cis-1,3-Dichloropropene	<1.8	ug/kg	1.8	1	04/14/18 10:55	04/14/18 21:33	10061-01-5	
trans-1,2-Dichloroethene	<1.8	ug/kg	1.8	1	04/14/18 10:55	04/14/18 21:33	156-60-5	CL
trans-1,3-Dichloropropene	<1.8	ug/kg	1.8	1	04/14/18 10:55	04/14/18 21:33	10061-02-6	L1
Surrogates								
Toluene-d8 (S)	94	%	43-157	1	04/14/18 10:55	04/14/18 21:33	2037-26-5	
4-Bromofluorobenzene (S)	88	%	34-145	1	04/14/18 10:55	04/14/18 21:33	460-00-4	
1,2-Dichloroethane-d4 (S)	104	%	33-150	1	04/14/18 10:55	04/14/18 21:33	17060-07-0	
Percent Moisture		Analytical Method: ASTM D2216-92M						
Percent Moisture	7.4	%	0.10	1		04/09/18 17:34		

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: COYNE TEXTILE FACILITY 4/5

Pace Project No.: 7047482

QC Batch: 62581

Analysis Method: EPA 7471B

QC Batch Method: EPA 7471B

Analysis Description: 7471 Mercury

Associated Lab Samples: 7047482001, 7047482002, 7047482003, 7047482004, 7047482005, 7047482006, 7047482007, 7047482009, 7047482010, 7047482011

METHOD BLANK: 287315

Matrix: Solid

Associated Lab Samples: 7047482001, 7047482002, 7047482003, 7047482004, 7047482005, 7047482006, 7047482007, 7047482009, 7047482010, 7047482011

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury	mg/kg	<0.033	0.033	04/10/18 13:24	

LABORATORY CONTROL SAMPLE: 287316

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	mg/kg	.17	0.16	94	80-120	

MATRIX SPIKE SAMPLE: 287317

Parameter	Units	7047482005 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Mercury	mg/kg	<0.046	.22	0.24	98	80-120	

SAMPLE DUPLICATE: 287318

Parameter	Units	7047482005 Result	Dup Result	RPD	Qualifiers
Mercury	mg/kg	<0.046	<0.052		

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QUALITY CONTROL DATA

Project: COYNE TEXTILE FACILITY 4/5
Pace Project No.: 7047482

QC Batch: 62553 Analysis Method: EPA 6010C
QC Batch Method: EPA 3050B Analysis Description: 6010 MET
Associated Lab Samples: 7047482001, 7047482002, 7047482003, 7047482004, 7047482005, 7047482006, 7047482007, 7047482009, 7047482010, 7047482011

METHOD BLANK: 287157 Matrix: Solid
Associated Lab Samples: 7047482001, 7047482002, 7047482003, 7047482004, 7047482005, 7047482006, 7047482007, 7047482009, 7047482010, 7047482011

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Aluminum	mg/kg	123	9.7	04/11/18 03:13	
Antimony	mg/kg	<2.9	2.9	04/11/18 03:13	
Arsenic	mg/kg	<0.48	0.48	04/11/18 03:13	
Barium	mg/kg	<9.7	9.7	04/11/18 03:13	
Beryllium	mg/kg	<0.24	0.24	04/11/18 03:13	
Cadmium	mg/kg	<0.12	0.12	04/11/18 03:13	
Calcium	mg/kg	<48.4	48.4	04/11/18 03:13	
Chromium	mg/kg	<0.48	0.48	04/11/18 03:13	
Cobalt	mg/kg	<2.4	2.4	04/11/18 03:13	
Copper	mg/kg	<1.2	1.2	04/11/18 03:13	
Iron	mg/kg	<4.8	4.8	04/11/18 03:13	
Lead	mg/kg	<0.24	0.24	04/11/18 03:13	
Magnesium	mg/kg	<48.4	48.4	04/11/18 03:13	
Manganese	mg/kg	<0.73	0.73	04/11/18 03:13	
Nickel	mg/kg	<1.9	1.9	04/11/18 03:13	
Potassium	mg/kg	<242	242	04/11/18 03:13	
Selenium	mg/kg	<0.48	0.48	04/11/18 03:13	
Silver	mg/kg	<0.48	0.48	04/11/18 03:13	
Sodium	mg/kg	<242	242	04/11/18 03:13	
Thallium	mg/kg	<0.48	0.48	04/11/18 03:13	
Vanadium	mg/kg	<2.4	2.4	04/11/18 03:13	
Zinc	mg/kg	<0.97	0.97	04/11/18 03:13	

LABORATORY CONTROL SAMPLE: 287158

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Aluminum	mg/kg	7990	6270	78	47-152	
Antimony	mg/kg	65	37.8	58	1-200	
Arsenic	mg/kg	147	139	95	80-120	
Barium	mg/kg	314	301	96	80-120	
Beryllium	mg/kg	53.3	54.6	102	80-120	
Cadmium	mg/kg	193	185	96	80-120	
Calcium	mg/kg	4580	4420	97	80-120	
Chromium	mg/kg	82.5	77.1	93	80-120	
Cobalt	mg/kg	81.2	81.6	100	80-120	
Copper	mg/kg	171	161	94	80-120	
Iron	mg/kg	14100	9740	69	60-140	
Lead	mg/kg	92.2	88.6	96	80-120	

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QUALITY CONTROL DATA

Project: COYNE TEXTILE FACILITY 4/5

Pace Project No.: 7047482

LABORATORY CONTROL SAMPLE: 287158

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Magnesium	mg/kg	2240	2020	90	80-120	
Manganese	mg/kg	222	216	97	80-120	
Nickel	mg/kg	137	135	99	80-120	
Potassium	mg/kg	2000	1700	85	70-130	
Selenium	mg/kg	187	180	96	80-120	
Silver	mg/kg	40.7	42.9	106	80-120	
Sodium	mg/kg	216	<250	81	72-128	
Thallium	mg/kg	153	153	100	80-120	
Vanadium	mg/kg	86.5	77.2	89	80-120	
Zinc	mg/kg	189	180	96	80-120	

MATRIX SPIKE SAMPLE: 287160

Parameter	Units	7047482005 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Aluminum	mg/kg	6110	334	7830	514	75-125	M1
Antimony	mg/kg	<3.8	49.9	28.4	57	75-125	M1
Arsenic	mg/kg	6.5	33.4	40.5	102	75-125	
Barium	mg/kg	49.3	33.4	81.5	97	75-125	
Beryllium	mg/kg	<0.31	3.3	3.4	93	75-125	
Cadmium	mg/kg	0.36	3.3	3.3	90	75-125	
Calcium	mg/kg	53600	1670	53700	11	75-125	M1
Chromium	mg/kg	11.4	16.7	28.3	102	75-125	
Cobalt	mg/kg	6.0	33.4	36.6	92	75-125	
Copper	mg/kg	7.0	16.7	22.8	94	75-125	
Iron	mg/kg	13900	134	15000	808	75-125	M1
Lead	mg/kg	5.9	33.4	34.9	87	75-125	
Magnesium	mg/kg	9990	1670	11500	92	75-125	
Manganese	mg/kg	192	16.7	204	74	75-125	M1
Nickel	mg/kg	15.5	16.7	29.9	86	75-125	
Potassium	mg/kg	852	3340	4630	113	75-125	
Selenium	mg/kg	<0.63	49.9	46.4	93	75-125	
Silver	mg/kg	<0.63	16.7	14.4	86	75-125	
Sodium	mg/kg	<313	3340	3490	102	75-125	
Thallium	mg/kg	<0.63	49.9	44.9	90	75-125	
Vanadium	mg/kg	10.3	33.4	43.7	100	75-125	
Zinc	mg/kg	33.4	66.6	92.1	88	75-125	

SAMPLE DUPLICATE: 287159

Parameter	Units	7047482005 Result	Dup Result	RPD	Qualifiers
Aluminum	mg/kg	6110	5650	8	
Antimony	mg/kg	<3.8	<3.8		
Arsenic	mg/kg	6.5	11.9	58	D6
Barium	mg/kg	49.3	50.2	2	

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QUALITY CONTROL DATA

Project: COYNE TEXTILE FACILITY 4/5

Pace Project No.: 7047482

SAMPLE DUPLICATE: 287159

Parameter	Units	7047482005 Result	Dup Result	RPD	Qualifiers
Beryllium	mg/kg	<0.31	<0.31		
Cadmium	mg/kg	0.36	0.40	10	
Calcium	mg/kg	53600	52300	2	
Chromium	mg/kg	11.4	10.9	4	
Cobalt	mg/kg	6.0	6.9	13	
Copper	mg/kg	7.0	7.9	12	
Iron	mg/kg	13900	15700	12	
Lead	mg/kg	5.9	5.5	6	
Magnesium	mg/kg	9990	9760	2	
Manganese	mg/kg	192	186	3	
Nickel	mg/kg	15.5	16.5	6	
Potassium	mg/kg	852	837	2	
Selenium	mg/kg	<0.63	<0.63		
Silver	mg/kg	<0.63	<0.63		
Sodium	mg/kg	<313	<314		
Thallium	mg/kg	<0.63	<0.63		
Vanadium	mg/kg	10.3	10.4	1	
Zinc	mg/kg	33.4	31.3	7	

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QUALITY CONTROL DATA

Project: COYNE TEXTILE FACILITY 4/5
Pace Project No.: 7047482

QC Batch: 63495 Analysis Method: EPA 8260C
QC Batch Method: EPA 5035A-L Analysis Description: 8260 MSV 5035A-L Low Level
Associated Lab Samples: 7047482005

METHOD BLANK: 291631 Matrix: Solid
Associated Lab Samples: 7047482005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/kg	<2.0	2.0	04/13/18 10:55	
1,1,2,2-Tetrachloroethane	ug/kg	<2.0	2.0	04/13/18 10:55	
1,1,2-Trichloroethane	ug/kg	<2.0	2.0	04/13/18 10:55	
1,1,2-Trichlorotrifluoroethane	ug/kg	<2.0	2.0	04/13/18 10:55	CL
1,1-Dichloroethane	ug/kg	<2.0	2.0	04/13/18 10:55	
1,1-Dichloroethene	ug/kg	<2.0	2.0	04/13/18 10:55	
1,2,4-Trichlorobenzene	ug/kg	<2.0	2.0	04/13/18 10:55	
1,2-Dibromo-3-chloropropane	ug/kg	<2.0	2.0	04/13/18 10:55	
1,2-Dibromoethane (EDB)	ug/kg	<2.0	2.0	04/13/18 10:55	
1,2-Dichlorobenzene	ug/kg	<2.0	2.0	04/13/18 10:55	
1,2-Dichloroethane	ug/kg	<2.0	2.0	04/13/18 10:55	
1,2-Dichloropropane	ug/kg	<2.0	2.0	04/13/18 10:55	
1,3-Dichlorobenzene	ug/kg	<2.0	2.0	04/13/18 10:55	
1,4-Dichlorobenzene	ug/kg	<2.0	2.0	04/13/18 10:55	
2-Butanone (MEK)	ug/kg	<2.0	2.0	04/13/18 10:55	
2-Hexanone	ug/kg	<2.0	2.0	04/13/18 10:55	
4-Methyl-2-pentanone (MIBK)	ug/kg	<2.0	2.0	04/13/18 10:55	
Acetone	ug/kg	<2.0	2.0	04/13/18 10:55	
Benzene	ug/kg	<2.0	2.0	04/13/18 10:55	
Bromodichloromethane	ug/kg	<2.0	2.0	04/13/18 10:55	
Bromoform	ug/kg	<2.0	2.0	04/13/18 10:55	
Bromomethane	ug/kg	<2.0	2.0	04/13/18 10:55	
Carbon disulfide	ug/kg	<2.0	2.0	04/13/18 10:55	
Carbon tetrachloride	ug/kg	<2.0	2.0	04/13/18 10:55	
Chlorobenzene	ug/kg	<2.0	2.0	04/13/18 10:55	
Chloroethane	ug/kg	<2.0	2.0	04/13/18 10:55	
Chloroform	ug/kg	<2.0	2.0	04/13/18 10:55	
Chloromethane	ug/kg	<2.0	2.0	04/13/18 10:55	CL
cis-1,2-Dichloroethene	ug/kg	<2.0	2.0	04/13/18 10:55	
cis-1,3-Dichloropropene	ug/kg	<2.0	2.0	04/13/18 10:55	
Cyclohexane	ug/kg	<2.0	2.0	04/13/18 10:55	
Dibromochloromethane	ug/kg	<2.0	2.0	04/13/18 10:55	
Dichlorodifluoromethane	ug/kg	<2.0	2.0	04/13/18 10:55	CL
Ethylbenzene	ug/kg	<2.0	2.0	04/13/18 10:55	
Isopropylbenzene (Cumene)	ug/kg	<2.0	2.0	04/13/18 10:55	
Methyl acetate	ug/kg	<2.0	2.0	04/13/18 10:55	
Methyl-tert-butyl ether	ug/kg	<2.0	2.0	04/13/18 10:55	
Methylcyclohexane	ug/kg	<2.0	2.0	04/13/18 10:55	
Methylene Chloride	ug/kg	<2.0	2.0	04/13/18 10:55	
Styrene	ug/kg	<2.0	2.0	04/13/18 10:55	
Tetrachloroethene	ug/kg	<2.0	2.0	04/13/18 10:55	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: COYNE TEXTILE FACILITY 4/5

Project No.: 7047482

METHOD BLANK: 291631

Matrix: Solid

Associated Lab Samples: 7047482005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Toluene	ug/kg	<2.0	2.0	04/13/18 10:55	
trans-1,2-Dichloroethane	ug/kg	<2.0	2.0	04/13/18 10:55	
trans-1,3-Dichloropropene	ug/kg	<2.0	2.0	04/13/18 10:55	
Trichloroethene	ug/kg	<2.0	2.0	04/13/18 10:55	
Trichlorofluoromethane	ug/kg	<2.0	2.0	04/13/18 10:55	
Vinyl chloride	ug/kg	<2.0	2.0	04/13/18 10:55	CL
Xylene (Total)	ug/kg	<4.0	4.0	04/13/18 10:55	
1,2-Dichloroethane-d4 (S)	%	98	33-150	04/13/18 10:55	
4-Bromofluorobenzene (S)	%	105	34-145	04/13/18 10:55	
Toluene-d8 (S)	%	90	43-157	04/13/18 10:55	

LABORATORY CONTROL SAMPLE: 291632

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/kg	50.4	42.6	85	59-134	
1,1,2,2-Tetrachloroethane	ug/kg	50.4	43.8	87	69-132	
1,1,2-Trichloroethane	ug/kg	50.4	53.5	106	73-135	
1,1,2-Trichlorotrifluoroethane	ug/kg	50.4	32.1	64	45-156	CL
1,1-Dichloroethane	ug/kg	50.4	45.5	90	53-160	
1,1-Dichloroethene	ug/kg	50.4	46.0	91	47-152	
1,2,4-Trichlorobenzene	ug/kg	50.4	51.2	102	52-140	
1,2-Dibromo-3-chloropropane	ug/kg	50.4	44.8	89	57-140	
1,2-Dibromoethane (EDB)	ug/kg	50.4	61.3	122	76-138	
1,2-Dichlorobenzene	ug/kg	50.4	50.5	100	67-125	
1,2-Dichloroethane	ug/kg	50.4	41.7	83	65-143	
1,2-Dichloropropane	ug/kg	50.4	46.9	93	72-131	
1,3-Dichlorobenzene	ug/kg	50.4	49.9	99	64-124	
1,4-Dichlorobenzene	ug/kg	50.4	49.4	98	61-127	
2-Butanone (MEK)	ug/kg	50.4	37.6	75	52-164	
2-Hexanone	ug/kg	50.4	46.0	91	66-151	
4-Methyl-2-pentanone (MIBK)	ug/kg	50.4	52.1	103	63-154	
Acetone	ug/kg	50.4	45.7	91	23-196	IH
Benzene	ug/kg	50.4	50.0	99	65-129	
Bromodichloromethane	ug/kg	50.4	50.5	100	74-141	
Bromoform	ug/kg	50.4	50.9	101	59-136	
Bromomethane	ug/kg	50.4	51.0	101	32-182	
Carbon disulfide	ug/kg	50.4	49.8	99	26-160	
Carbon tetrachloride	ug/kg	50.4	40.7	81	57-135	
Chlorobenzene	ug/kg	50.4	51.1	101	62-136	
Chloroethane	ug/kg	50.4	53.3	106	50-159	
Chloroform	ug/kg	50.4	43.9	87	71-135	
Chloromethane	ug/kg	50.4	40.6	81	44-139	CL
cis-1,2-Dichloroethene	ug/kg	50.4	48.2	96	75-130	
cis-1,3-Dichloropropene	ug/kg	50.4	50.5	100	74-140	

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QUALITY CONTROL DATA

Project: COYNE TEXTILE FACILITY 4/5

Pace Project No.: 7047482

LABORATORY CONTROL SAMPLE: 291632

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Cyclohexane	ug/kg	50.4	37.3	74	21-139	
Dibromochloromethane	ug/kg	50.4	43.9	87	71-133	
Dichlorodifluoromethane	ug/kg	50.4	21.6	43	10-155	CL
Ethylbenzene	ug/kg	50.4	51.5	102	59-135	
Isopropylbenzene (Cumene)	ug/kg	50.4	47.3	94	56-129	
Methyl acetate	ug/kg	50.4	47.5	94	33-176	
Methyl-tert-butyl ether	ug/kg	50.4	43.4	86	25-171	
Methylcyclohexane	ug/kg	50.4	46.4	92	24-141	
Methylene Chloride	ug/kg	50.4	59.3	118	50-164	
Styrene	ug/kg	50.4	55.3	110	73-133	
Tetrachloroethene	ug/kg	50.4	43.2	86	10-176	
Toluene	ug/kg	50.4	60.7	120	66-131	
trans-1,2-Dichloroethene	ug/kg	50.4	39.7	79	53-157	
trans-1,3-Dichloropropene	ug/kg	50.4	53.3	106	66-144	
Trichloroethene	ug/kg	50.4	48.2	96	62-130	
Trichlorofluoromethane	ug/kg	50.4	46.5	92	38-166	
Vinyl chloride	ug/kg	50.4	37.6	75	45-137	CL
Xylene (Total)	ug/kg	151	161	107	62-135	
1,2-Dichloroethane-d4 (S)	%			93	33-150	
4-Bromofluorobenzene (S)	%			107	34-145	
Toluene-d8 (S)	%			93	43-157	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 291840 291841

Parameter	Units	7047482005		MS	MSD	MS	MSD	MS	MSD	% Rec	RPD	Qual
		Result	Conc.	Spike Conc.	Spike Conc.							
1,1,1-Trichloroethane	ug/kg	<1.7	52.4	51.2	42.0	42.1	80	82	59-134	0		
1,1,2,2-Tetrachloroethane	ug/kg	<1.7	52.4	51.2	48.5	48.8	93	95	69-132	1		
1,1,2-Trichloroethane	ug/kg	<1.7	52.4	51.2	44.4	47.2	85	92	73-135	6		
1,1,2-Trichlorotrifluoroethane	ug/kg	<1.7	52.4	51.2	35.4	34.5	68	67	45-156	2	CL	
1,1-Dichloroethane	ug/kg	<1.7	52.4	51.2	45.7	44.3	87	86	53-160	3		
1,1-Dichloroethene	ug/kg	<1.7	52.4	51.2	49.5	45.9	94	90	47-152	7		
1,2,4-Trichlorobenzene	ug/kg	<1.7	52.4	51.2	22.0	28.5	39	52	52-140	26	M1,R1	
1,2-Dibromo-3-chloropropane	ug/kg	<1.7	52.4	51.2	40.8	44.9	78	88	57-140	10		
1,2-Dibromoethane (EDB)	ug/kg	<1.7	52.4	51.2	47.0	49.9	90	97	76-138	6		
1,2-Dichlorobenzene	ug/kg	<1.7	52.4	51.2	41.4	47.0	79	92	67-125	13		
1,2-Dichloroethane	ug/kg	<1.7	52.4	51.2	39.9	39.8	76	78	65-143	0		
1,2-Dichloropropane	ug/kg	<1.7	52.4	51.2	43.8	43.6	84	85	72-131	1		
1,3-Dichlorobenzene	ug/kg	<1.7	52.4	51.2	44.4	48.7	85	95	64-124	9		
1,4-Dichlorobenzene	ug/kg	<1.7	52.4	51.2	43.0	47.5	82	93	61-127	10		
2-Butanone (MEK)	ug/kg	<1.7	52.4	51.2	51.3	55.9	98	109	52-164	8		
2-Hexanone	ug/kg	<1.7	52.4	51.2	45.5	42.9	87	84	66-151	6		
4-Methyl-2-pentanone (MIBK)	ug/kg	<1.7	52.4	51.2	47.6	49.7	91	97	63-154	4		
Acetone	ug/kg	18.8	52.4	51.2	149	159	249	274	23-196	7	IH,M1	
Benzene	ug/kg	30.4	52.4	51.2	48.4	47.7	34	34	65-129	2	M1	

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QUALITY CONTROL DATA

Project: COYNE TEXTILE FACILITY 4/5

Pace Project No.: 7047482

Parameter	Units	7047482005		291840		291841		% Rec	% Rec	Limits	RPD	Qual
		Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec					
Bromodichloromethane	ug/kg	<1.7	52.4	51.2	44.3	46.0	85	90	74-141	4		
Bromoform	ug/kg	<1.7	52.4	51.2	38.4	41.0	73	80	59-136	7		
Bromomethane	ug/kg	<1.7	52.4	51.2	51.2	47.0	98	92	32-182	8		
Carbon disulfide	ug/kg	<1.7	52.4	51.2	54.8	49.1	102	93	26-160	11		
Carbon tetrachloride	ug/kg	<1.7	52.4	51.2	36.7	41.1	70	80	57-135	11		
Chlorobenzene	ug/kg	<1.7	52.4	51.2	49.6	48.8	95	95	62-136	2		
Chloroethane	ug/kg	<1.7	52.4	51.2	53.0	49.9	101	97	50-159	6		
Chloroform	ug/kg	<1.7	52.4	51.2	43.3	42.9	83	84	71-135	1		
Chloromethane	ug/kg	<1.7	52.4	51.2	40.4	36.6	77	71	44-139	10	CL	
cis-1,2-Dichloroethene	ug/kg	<1.7	52.4	51.2	44.8	46.3	86	90	75-130	3		
cis-1,3-Dichloropropene	ug/kg	<1.7	52.4	51.2	39.2	43.1	75	84	74-140	10		
Cyclohexane	ug/kg	1.8	52.4	51.2	37.0	39.3	67	73	21-139	6		
Dibromochloromethane	ug/kg	<1.7	52.4	51.2	40.1	41.4	77	81	71-133	3		
Dichlorodifluoromethane	ug/kg	<1.7	52.4	51.2	21.8	19.3	42	38	10-155	12	CL	
Ethylbenzene	ug/kg	<1.7	52.4	51.2	52.3	50.7	100	99	59-135	3		
Isopropylbenzene (Cumene)	ug/kg	<1.7	52.4	51.2	62.3	60.6	119	118	56-129	3		
Methyl acetate	ug/kg	<1.7	52.4	51.2	40.9	37.1	76	71	33-176	10		
Methyl-tert-butyl ether	ug/kg	<1.7	52.4	51.2	19.4	22.6	37	44	25-171	15		
Methylcyclohexane	ug/kg	2.1	52.4	51.2	38.7	44.1	70	82	24-141	13		
Methylene Chloride	ug/kg	<1.7	52.4	51.2	57.6	53.2	110	104	50-164	8		
Styrene	ug/kg	<1.7	52.4	51.2	45.6	45.7	87	89	73-133	0		
Tetrachloroethene	ug/kg	<1.7	52.4	51.2	44.2	44.8	84	87	10-176	1		
Toluene	ug/kg	<1.7	52.4	51.2	58.7	57.9	109	110	66-131	1		
trans-1,2-Dichloroethene	ug/kg	<1.7	52.4	51.2	40.8	39.5	78	77	53-157	3		
trans-1,3-Dichloropropene	ug/kg	<1.7	52.4	51.2	39.3	44.0	75	86	66-144	11		
Trichloroethene	ug/kg	<1.7	52.4	51.2	44.3	43.9	85	86	62-130	1		
Trichlorofluoromethane	ug/kg	<1.7	52.4	51.2	49.2	44.7	94	87	38-166	10		
Vinyl chloride	ug/kg	<1.7	52.4	51.2	39.1	34.2	75	67	45-137	13	CL	
Xylene (Total)	ug/kg	<3.5	157	154	159	156	101	101	62-135	2		
1,2-Dichloroethane-d4 (S)	%						87	83	33-150			
4-Bromofluorobenzene (S)	%						94	95	34-145			
Toluene-d8 (S)	%						102	97	43-157			

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QUALITY CONTROL DATA

Project: COYNE TEXTILE FACILITY 4/5

Pace Project No.: 7047482

QC Batch: 63550 Analysis Method: EPA 8260C
 QC Batch Method: EPA 5035A-L Analysis Description: 8260 MSV 5035A-L Low Level
 Associated Lab Samples: 7047482001, 7047482002, 7047482004, 7047482006, 7047482007, 7047482008, 7047482010, 7047482011

METHOD BLANK: 291842 Matrix: Solid
 Associated Lab Samples: 7047482001, 7047482002, 7047482004, 7047482006, 7047482007, 7047482008, 7047482010, 7047482011

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/kg	<2.0	2.0	04/14/18 15:06	
1,1,2,2-Tetrachloroethane	ug/kg	<2.0	2.0	04/14/18 15:06	
1,1,2-Trichloroethane	ug/kg	<2.0	2.0	04/14/18 15:06	
1,1,2-Trichlorotrifluoroethane	ug/kg	<2.0	2.0	04/14/18 15:06	
1,1-Dichloroethane	ug/kg	<2.0	2.0	04/14/18 15:06	
1,1-Dichloroethene	ug/kg	<2.0	2.0	04/14/18 15:06	
1,2,4-Trichlorobenzene	ug/kg	<2.0	2.0	04/14/18 15:06	
1,2-Dibromo-3-chloropropane	ug/kg	<2.0	2.0	04/14/18 15:06	
1,2-Dibromoethane (EDB)	ug/kg	<2.0	2.0	04/14/18 15:06	
1,2-Dichlorobenzene	ug/kg	<2.0	2.0	04/14/18 15:06	
1,2-Dichloroethane	ug/kg	<2.0	2.0	04/14/18 15:06	
1,2-Dichloropropane	ug/kg	<2.0	2.0	04/14/18 15:06	
1,3-Dichlorobenzene	ug/kg	<2.0	2.0	04/14/18 15:06	
1,4-Dichlorobenzene	ug/kg	<2.0	2.0	04/14/18 15:06	
2-Butanone (MEK)	ug/kg	<2.0	2.0	04/14/18 15:06	
2-Hexanone	ug/kg	<2.0	2.0	04/14/18 15:06	
4-Methyl-2-pentanone (MIBK)	ug/kg	<2.0	2.0	04/14/18 15:06	
Acetone	ug/kg	<2.0	2.0	04/14/18 15:06	
Benzene	ug/kg	<2.0	2.0	04/14/18 15:06	
Bromodichloromethane	ug/kg	<2.0	2.0	04/14/18 15:06	
Bromoform	ug/kg	<2.0	2.0	04/14/18 15:06	
Bromomethane	ug/kg	<2.0	2.0	04/14/18 15:06	
Carbon disulfide	ug/kg	<2.0	2.0	04/14/18 15:06	
Carbon tetrachloride	ug/kg	<2.0	2.0	04/14/18 15:06	
Chlorobenzene	ug/kg	<2.0	2.0	04/14/18 15:06	
Chloroethane	ug/kg	<2.0	2.0	04/14/18 15:06	
Chloroform	ug/kg	<2.0	2.0	04/14/18 15:06	
Chloromethane	ug/kg	<2.0	2.0	04/14/18 15:06	
cis-1,2-Dichloroethene	ug/kg	<2.0	2.0	04/14/18 15:06	
cis-1,3-Dichloropropene	ug/kg	<2.0	2.0	04/14/18 15:06	
Cyclohexane	ug/kg	<2.0	2.0	04/14/18 15:06	
Dibromochloromethane	ug/kg	<2.0	2.0	04/14/18 15:06	
Dichlorodifluoromethane	ug/kg	<2.0	2.0	04/14/18 15:06	CL
Ethylbenzene	ug/kg	<2.0	2.0	04/14/18 15:06	
Isopropylbenzene (Cumene)	ug/kg	<2.0	2.0	04/14/18 15:06	
Methyl acetate	ug/kg	<2.0	2.0	04/14/18 15:06	
Methyl-tert-butyl ether	ug/kg	<2.0	2.0	04/14/18 15:06	
Methylcyclohexane	ug/kg	<2.0	2.0	04/14/18 15:06	
Methylene Chloride	ug/kg	<2.0	2.0	04/14/18 15:06	
Styrene	ug/kg	<2.0	2.0	04/14/18 15:06	
Tetrachloroethene	ug/kg	<2.0	2.0	04/14/18 15:06	

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QUALITY CONTROL DATA

Project: COYNE TEXTILE FACILITY 4/5
Project No.: 7047482

METHOD BLANK: 291842 Matrix: Solid
Associated Lab Samples: 7047482001, 7047482002, 7047482004, 7047482006, 7047482007, 7047482008, 7047482010, 7047482011

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Toluene	ug/kg	<2.0	2.0	04/14/18 15:06	
trans-1,2-Dichloroethene	ug/kg	<2.0	2.0	04/14/18 15:06	CL
trans-1,3-Dichloropropene	ug/kg	<2.0	2.0	04/14/18 15:06	
Trichloroethene	ug/kg	<2.0	2.0	04/14/18 15:06	
Trichlorofluoromethane	ug/kg	<2.0	2.0	04/14/18 15:06	
Vinyl chloride	ug/kg	<2.0	2.0	04/14/18 15:06	
Xylene (Total)	ug/kg	<3.9	3.9	04/14/18 15:06	
1,2-Dichloroethane-d4 (S)	%	91	33-150	04/14/18 15:06	
4-Bromofluorobenzene (S)	%	97	34-145	04/14/18 15:06	
Toluene-d8 (S)	%	91	43-157	04/14/18 15:06	

LABORATORY CONTROL SAMPLE: 291843

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/kg	50.5	35.6	71	59-134	
1,1,2,2-Tetrachloroethane	ug/kg	50.5	48.0	95	69-132	
1,1,2-Trichloroethane	ug/kg	50.5	74.3	147	73-135	L1
1,1,2-Trichlorotrifluoroethane	ug/kg	50.5	32.2	64	45-156	
1,1-Dichloroethane	ug/kg	50.5	42.1	83	53-160	
1,1-Dichloroethene	ug/kg	50.5	41.0	81	47-152	
1,2,4-Trichlorobenzene	ug/kg	50.5	39.7	79	52-140	
1,2-Dibromo-3-chloropropane	ug/kg	50.5	38.5	76	57-140	
1,2-Dibromoethane (EDB)	ug/kg	50.5	86.3	171	76-138	CH,L1
1,2-Dichlorobenzene	ug/kg	50.5	49.5	98	67-125	
1,2-Dichloroethane	ug/kg	50.5	47.3	94	65-143	
1,2-Dichloropropane	ug/kg	50.5	49.6	98	72-131	
1,3-Dichlorobenzene	ug/kg	50.5	51.6	102	64-124	
1,4-Dichlorobenzene	ug/kg	50.5	51.7	102	61-127	
2-Butanone (MEK)	ug/kg	50.5	54.6	108	52-164	
2-Hexanone	ug/kg	50.5	58.7	116	66-151	
4-Methyl-2-pentanone (MIBK)	ug/kg	50.5	85.6	170	63-154	CH,L1
Acetone	ug/kg	50.5	66.9	133	23-196	IH
Benzene	ug/kg	50.5	46.9	93	65-129	
Bromodichloromethane	ug/kg	50.5	57.7	114	74-141	
Bromoform	ug/kg	50.5	58.2	115	59-136	
Bromomethane	ug/kg	50.5	70.4	139	32-182	CH
Carbon disulfide	ug/kg	50.5	56.7	112	26-160	
Carbon tetrachloride	ug/kg	50.5	33.4	66	57-135	
Chlorobenzene	ug/kg	50.5	54.9	109	62-136	
Chloroethane	ug/kg	50.5	58.7	116	50-159	
Chloroform	ug/kg	50.5	41.9	83	71-135	
Chloromethane	ug/kg	50.5	57.1	113	44-139	
cis-1,2-Dichloroethene	ug/kg	50.5	45.3	90	75-130	
cis-1,3-Dichloropropene	ug/kg	50.5	62.5	124	74-140	

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QUALITY CONTROL DATA

Project: COYNE TEXTILE FACILITY 4/5

Pace Project No.: 7047482

LABORATORY CONTROL SAMPLE: 291843

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Cyclohexane	ug/kg	50.5	32.4	64	21-139	
Dibromochloromethane	ug/kg	50.5	53.1	105	71-133	
Dichlorodifluoromethane	ug/kg	50.5	36.6	72	10-155	CL
Ethylbenzene	ug/kg	50.5	52.0	103	59-135	
Isopropylbenzene (Cumene)	ug/kg	50.5	51.3	102	56-129	
Methyl acetate	ug/kg	50.5	57.7	114	33-176	
Methyl-tert-butyl ether	ug/kg	50.5	52.6	104	25-171	
Methylcyclohexane	ug/kg	50.5	41.0	81	24-141	
Methylene Chloride	ug/kg	50.5	76.3	151	50-164	
Styrene	ug/kg	50.5	58.0	115	73-133	
Tetrachloroethane	ug/kg	50.5	42.9	85	10-176	
Toluene	ug/kg	50.5	68.8	136	66-131	CH,L1
trans-1,2-Dichloroethene	ug/kg	50.5	39.5	78	53-157	CL
trans-1,3-Dichloropropene	ug/kg	50.5	73.7	146	66-144	L1
Trichloroethene	ug/kg	50.5	47.5	94	62-130	
Trichlorofluoromethane	ug/kg	50.5	41.3	82	38-166	
Vinyl chloride	ug/kg	50.5	45.2	90	45-137	
Xylene (Total)	ug/kg	152	165	109	62-135	
1,2-Dichloroethane-d4 (S)	%			94	33-150	
4-Bromofluorobenzene (S)	%			103	34-145	
Toluene-d8 (S)	%			80	43-157	

SAMPLE DUPLICATE: 291952

Parameter	Units	7047771003 Result	Dup Result	RPD	Qualifiers
1,1,1-Trichloroethane	ug/kg	<2.0	<2.1		
1,1,2,2-Tetrachloroethane	ug/kg	<2.0	<2.1		
1,1,2-Trichloroethane	ug/kg	<2.0	<2.1		
1,1,2-Trichlorotrifluoroethane	ug/kg	<2.0	<2.1		
1,1-Dichloroethane	ug/kg	<2.0	<2.1		
1,1-Dichloroethene	ug/kg	<2.0	<2.1		
1,2,4-Trichlorobenzene	ug/kg	3.7	4.4	17	
1,2-Dibromo-3-chloropropane	ug/kg	<2.0	<2.1		
1,2-Dibromoethane (EDB)	ug/kg	<2.0	<2.1		
1,2-Dichlorobenzene	ug/kg	<2.0	<2.1		
1,2-Dichloroethane	ug/kg	<2.0	<2.1		
1,2-Dichloropropane	ug/kg	<2.0	<2.1		
1,3-Dichlorobenzene	ug/kg	<2.0	<2.1		
1,4-Dichlorobenzene	ug/kg	<2.0	<2.1		
2-Butanone (MEK)	ug/kg	<2.0	<2.1		
2-Hexanone	ug/kg	<2.0	<2.1		
4-Methyl-2-pentanone (MIBK)	ug/kg	<2.0	<2.1		
Acetone	ug/kg	29.2	7.6	117	D6,IH
Benzene	ug/kg	<2.0	<2.1		
Bromodichloromethane	ug/kg	<2.0	<2.1		

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QUALITY CONTROL DATA

Project: COYNE TEXTILE FACILITY 4/5

Pace Project No.: 7047482

SAMPLE DUPLICATE: 291952

Parameter	Units	7047771003 Result	Dup Result	RPD	Qualifiers
Bromoform	ug/kg	<2.0	<2.1		
Bromomethane	ug/kg	<2.0	<2.1		
Carbon disulfide	ug/kg	<2.0	<2.1		
Carbon tetrachloride	ug/kg	<2.0	<2.1		
Chlorobenzene	ug/kg	<2.0	<2.1		
Chloroethane	ug/kg	<2.0	<2.1		
Chloroform	ug/kg	<2.0	<2.1		
Chloromethane	ug/kg	<2.0	<2.1		
cis-1,2-Dichloroethene	ug/kg	<2.0	<2.1		
cis-1,3-Dichloropropene	ug/kg	<2.0	<2.1		
Cyclohexane	ug/kg	<2.0	<2.1		
Dibromochloromethane	ug/kg	<2.0	<2.1		
Dichlorodifluoromethane	ug/kg	<2.0	<2.1		CL
Ethylbenzene	ug/kg	<2.0	<2.1		
Isopropylbenzene (Cumene)	ug/kg	<2.0	<2.1		
Methyl acetate	ug/kg	<2.0	<2.1		
Methyl-tert-butyl ether	ug/kg	<2.0	<2.1		
Methylcyclohexane	ug/kg	<2.0	<2.1		
Methylene Chloride	ug/kg	<2.0	<2.1		
Styrene	ug/kg	<2.0	<2.1		
Tetrachloroethene	ug/kg	<2.0	<2.1		
Toluene	ug/kg	<2.0	<2.1		
trans-1,2-Dichloroethene	ug/kg	<2.0	<2.1		CL
trans-1,3-Dichloropropene	ug/kg	<2.0	<2.1		
Trichloroethene	ug/kg	<2.0	<2.1		
Trichlorofluoromethane	ug/kg	<2.0	<2.1		
Vinyl chloride	ug/kg	<2.0	<2.1		
Xylene (Total)	ug/kg	<4.0	<4.2		
1,2-Dichloroethane-d4 (S)	%	104	106	5	
4-Bromofluorobenzene (S)	%	58	60	6	
Toluene-d8 (S)	%	126	115	6	

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QUALITY CONTROL DATA

Project: COYNE TEXTILE FACILITY 4/5

Pace Project No.: 7047482

QC Batch: 63412 Analysis Method: EPA 8260C
 QC Batch Method: EPA 5035A-H/5030C Analysis Description: 8260 MSV 5035A-H Med
 Associated Lab Samples: 7047482003, 7047482009

METHOD BLANK: 291195 Matrix: Solid

Associated Lab Samples: 7047482003, 7047482009

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	<99.0	99.0	04/12/18 09:18	
1,1,1-Trichloroethane	ug/kg	<99.0	99.0	04/12/18 09:18	
1,1,2,2-Tetrachloroethane	ug/kg	<99.0	99.0	04/12/18 09:18	
1,1,2-Trichloroethane	ug/kg	<99.0	99.0	04/12/18 09:18	
1,1,2-Trichlorotrifluoroethane	ug/kg	<99.0	99.0	04/12/18 09:18	
1,1-Dichloroethane	ug/kg	<99.0	99.0	04/12/18 09:18	
1,1-Dichloroethene	ug/kg	<99.0	99.0	04/12/18 09:18	
1,1-Dichloropropene	ug/kg	<99.0	99.0	04/12/18 09:18	
1,2,3-Trichlorobenzene	ug/kg	<99.0	99.0	04/12/18 09:18	CL
1,2,3-Trichloropropane	ug/kg	<99.0	99.0	04/12/18 09:18	
1,2,4,5-tetramethylbenzene	ug/kg	<99.0	99.0	04/12/18 09:18	N3
1,2,4-Trichlorobenzene	ug/kg	<99.0	99.0	04/12/18 09:18	
1,2,4-Trimethylbenzene	ug/kg	<99.0	99.0	04/12/18 09:18	
1,2-Dibromo-3-chloropropane	ug/kg	<99.0	99.0	04/12/18 09:18	
1,2-Dibromoethane (EDB)	ug/kg	<99.0	99.0	04/12/18 09:18	
1,2-Dichlorobenzene	ug/kg	<99.0	99.0	04/12/18 09:18	
1,2-Dichloroethane	ug/kg	<99.0	99.0	04/12/18 09:18	
1,2-Dichloropropane	ug/kg	<99.0	99.0	04/12/18 09:18	
1,3,5-Trimethylbenzene	ug/kg	<99.0	99.0	04/12/18 09:18	
1,3-Dichlorobenzene	ug/kg	<99.0	99.0	04/12/18 09:18	
1,3-Dichloropropane	ug/kg	<99.0	99.0	04/12/18 09:18	
1,4-Dichlorobenzene	ug/kg	<99.0	99.0	04/12/18 09:18	
1,4-Diethylbenzene	ug/kg	<99.0	99.0	04/12/18 09:18	N3
2,2-Dichloropropane	ug/kg	<99.0	99.0	04/12/18 09:18	
2-Butanone (MEK)	ug/kg	<99.0	99.0	04/12/18 09:18	
2-Chlorotoluene	ug/kg	<99.0	99.0	04/12/18 09:18	
4-Chlorotoluene	ug/kg	<99.0	99.0	04/12/18 09:18	
4-Ethyltoluene	ug/kg	<99.0	99.0	04/12/18 09:18	N3
4-Methyl-2-pentanone (MIBK)	ug/kg	<99.0	99.0	04/12/18 09:18	
Acetone	ug/kg	<99.0	99.0	04/12/18 09:18	
Benzene	ug/kg	<99.0	99.0	04/12/18 09:18	
Bromobenzene	ug/kg	<99.0	99.0	04/12/18 09:18	
Bromochloromethane	ug/kg	<99.0	99.0	04/12/18 09:18	
Bromodichloromethane	ug/kg	<99.0	99.0	04/12/18 09:18	
Bromoform	ug/kg	<99.0	99.0	04/12/18 09:18	
Bromomethane	ug/kg	<99.0	99.0	04/12/18 09:18	
Carbon tetrachloride	ug/kg	<99.0	99.0	04/12/18 09:18	
Chlorobenzene	ug/kg	<99.0	99.0	04/12/18 09:18	
Chlorodifluoromethane	ug/kg	<99.0	99.0	04/12/18 09:18	N3
Chloroethane	ug/kg	<99.0	99.0	04/12/18 09:18	
Chloroform	ug/kg	<99.0	99.0	04/12/18 09:18	

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QUALITY CONTROL DATA

Project: COYNE TEXTILE FACILITY 4/5

Pace Project No.: 7047482

METHOD BLANK: 291195

Matrix: Solid

Associated Lab Samples: 7047482003, 7047482009

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Chloromethane	ug/kg	<99.0	99.0	04/12/18 09:18	
cis-1,2-Dichloroethene	ug/kg	<99.0	99.0	04/12/18 09:18	
cis-1,3-Dichloropropene	ug/kg	<99.0	99.0	04/12/18 09:18	
Dibromochloromethane	ug/kg	<99.0	99.0	04/12/18 09:18	
Dibromomethane	ug/kg	<99.0	99.0	04/12/18 09:18	
Dichlorodifluoromethane	ug/kg	<99.0	99.0	04/12/18 09:18	CL
Ethylbenzene	ug/kg	<99.0	99.0	04/12/18 09:18	
Hexachloro-1,3-butadiene	ug/kg	<99.0	99.0	04/12/18 09:18	CL
Isopropylbenzene (Cumene)	ug/kg	<99.0	99.0	04/12/18 09:18	
m&p-Xylene	ug/kg	<198	198	04/12/18 09:18	
Methyl-tert-butyl ether	ug/kg	<99.0	99.0	04/12/18 09:18	
Methylene Chloride	ug/kg	<99.0	99.0	04/12/18 09:18	
n-Butylbenzene	ug/kg	<99.0	99.0	04/12/18 09:18	
n-Propylbenzene	ug/kg	<99.0	99.0	04/12/18 09:18	
Naphthalene	ug/kg	<99.0	99.0	04/12/18 09:18	
o-Xylene	ug/kg	<99.0	99.0	04/12/18 09:18	
p-Isopropyltoluene	ug/kg	<99.0	99.0	04/12/18 09:18	
sec-Butylbenzene	ug/kg	<99.0	99.0	04/12/18 09:18	
Styrene	ug/kg	<99.0	99.0	04/12/18 09:18	
tert-Butylbenzene	ug/kg	<99.0	99.0	04/12/18 09:18	
Tetrachloroethene	ug/kg	<99.0	99.0	04/12/18 09:18	
Toluene	ug/kg	<99.0	99.0	04/12/18 09:18	
trans-1,2-Dichloroethene	ug/kg	<99.0	99.0	04/12/18 09:18	
trans-1,3-Dichloropropene	ug/kg	<99.0	99.0	04/12/18 09:18	
Trichloroethene	ug/kg	<99.0	99.0	04/12/18 09:18	
Trichlorofluoromethane	ug/kg	<99.0	99.0	04/12/18 09:18	
Vinyl chloride	ug/kg	<99.0	99.0	04/12/18 09:18	
Xylene (Total)	ug/kg	<198	198	04/12/18 09:18	
1,2-Dichloroethane-d4 (S)	%	109	33-150	04/12/18 09:18	
4-Bromofluorobenzene (S)	%	97	34-145	04/12/18 09:18	
Toluene-d8 (S)	%	95	43-157	04/12/18 09:18	

LABORATORY CONTROL SAMPLE: 291196

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	2530	1970	78	74-140	
1,1,1-Trichloroethane	ug/kg	2530	2190	87	59-134	
1,1,2,2-Tetrachloroethane	ug/kg	2530	2210	88	69-132	
1,1,2-Trichloroethane	ug/kg	2530	1370	54	73-135	L2
1,1,2-Trichlorotrifluoroethane	ug/kg	2530	2130	84	45-156	
1,1-Dichloroethane	ug/kg	2530	2680	106	53-160	
1,1-Dichloroethene	ug/kg	2530	2320	92	47-152	
1,1-Dichloropropene	ug/kg	2530	2540	101	56-130	
1,2,3-Trichlorobenzene	ug/kg	2530	1660	66	48-144	CL

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QUALITY CONTROL DATA

Project: COYNE TEXTILE FACILITY 4/5

Pace Project No.: 7047482

LABORATORY CONTROL SAMPLE: 291196

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2,3-Trichloropropane	ug/kg	2530	1970	78	67-129	
1,2,4,5-tetramethylbenzene	ug/kg	2530	2040	81	60-142	N3
1,2,4-Trichlorobenzene	ug/kg	2530	1980	79	52-140	
1,2,4-Trimethylbenzene	ug/kg	2530	2210	88	59-126	
1,2-Dibromo-3-chloropropane	ug/kg	2530	1850	73	57-140	
1,2-Dibromoethane (EDB)	ug/kg	2530	2220	88	76-138	
1,2-Dichlorobenzene	ug/kg	2530	2200	87	67-125	
1,2-Dichloroethane	ug/kg	2530	2400	95	65-143	
1,2-Dichloropropane	ug/kg	2530	2710	107	72-131	
1,3,5-Trimethylbenzene	ug/kg	2530	2200	87	49-134	
1,3-Dichlorobenzene	ug/kg	2530	2240	89	64-124	
1,3-Dichloropropane	ug/kg	2530	2210	88	73-130	
1,4-Dichlorobenzene	ug/kg	2530	2250	89	61-127	
1,4-Diethylbenzene	ug/kg	2530	2120	84	54-137	N3
2,2-Dichloropropane	ug/kg	2530	2330	92	55-140	
2-Butanone (MEK)	ug/kg	2530	4790	190	52-164	CH,IH,L1
2-Chlorotoluene	ug/kg	2530	2360	94	62-125	
4-Chlorotoluene	ug/kg	2530	2390	95	62-125	
4-Ethyltoluene	ug/kg	2530	2240	89	56-130	N3
4-Methyl-2-pentanone (MIBK)	ug/kg	2530	2710	107	63-154	CH
Acetone	ug/kg	2530	2570	102	23-196	CH
Benzene	ug/kg	2530	2500	99	65-129	
Bromobenzene	ug/kg	2530	2150	85	63-130	
Bromochloromethane	ug/kg	2530	2220	88	78-136	
Bromodichloromethane	ug/kg	2530	2220	88	74-141	
Bromoform	ug/kg	2530	1670	66	59-136	
Bromomethane	ug/kg	2530	355	14	32-182	L2
Carbon tetrachloride	ug/kg	2530	2090	83	57-135	
Chlorobenzene	ug/kg	2530	2050	81	62-136	
Chlorodifluoromethane	ug/kg	2530	2150	85	14-161	N3
Chloroethane	ug/kg	2530	314	12	50-159	CH,L2
Chloroform	ug/kg	2530	2180	86	71-135	
Chloromethane	ug/kg	2530	2750	109	44-139	CH
cis-1,2-Dichloroethene	ug/kg	2530	2400	95	75-130	
cis-1,3-Dichloropropene	ug/kg	2530	2690	107	74-140	CH
Dibromochloromethane	ug/kg	2530	1790	71	71-133	
Dibromomethane	ug/kg	2530	2200	87	75-136	
Dichlorodifluoromethane	ug/kg	2530	1320	52	10-155	CL
Ethylbenzene	ug/kg	2530	2040	81	59-135	
Hexachloro-1,3-butadiene	ug/kg	2530	1960	78	19-152	CL
Isopropylbenzene (Cumene)	ug/kg	2530	2230	88	56-129	
m&p-Xylene	ug/kg	5050	4110	81	69-133	
Methyl-tert-butyl ether	ug/kg	2530	2250	89	25-171	
Methylene Chloride	ug/kg	2530	2430	96	50-164	
n-Butylbenzene	ug/kg	2530	2260	89	54-121	
n-Propylbenzene	ug/kg	2530	2280	90	56-125	
Naphthalene	ug/kg	2530	1620	64	55-145	

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QUALITY CONTROL DATA

Project: COYNE TEXTILE FACILITY 4/5

Pace Project No.: 7047482

LABORATORY CONTROL SAMPLE: 291196

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
o-Xylene	ug/kg	2530	2070	82	71-135	
p-Isopropyltoluene	ug/kg	2530	2070	82	54-126	
sec-Butylbenzene	ug/kg	2530	2180	86	50-126	
Styrene	ug/kg	2530	2070	82	73-133	
tert-Butylbenzene	ug/kg	2530	2110	84	56-127	
Tetrachloroethene	ug/kg	2530	1980	78	10-176	
Toluene	ug/kg	2530	2340	92	66-131	
trans-1,2-Dichloroethene	ug/kg	2530	2420	96	53-157	
trans-1,3-Dichloropropene	ug/kg	2530	2670	106	66-144	
Trichloroethene	ug/kg	2530	2150	85	62-130	
Trichlorofluoromethane	ug/kg	2530	201	8	38-166 L2	
Vinyl chloride	ug/kg	2530	2400	95	45-137	
Xylene (Total)	ug/kg	7580	6180	82	62-135	
1,2-Dichloroethane-d4 (S)	%			119	33-150	
4-Bromofluorobenzene (S)	%			99	34-145	
Toluene-d8 (S)	%			94	43-157	

MATRIX SPIKE SAMPLE: 291197

Parameter	Units	7047475002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	<159	3980	2980	75	74-140	
1,1,1-Trichloroethane	ug/kg	<159	3980	3640	91	59-134	
1,1,2,2-Tetrachloroethane	ug/kg	<159	3980	3500	88	69-132	
1,1,2-Trichloroethane	ug/kg	<159	3980	3820	96	73-135	
1,1,2-Trichlorotrifluoroethane	ug/kg	<159	3980	3710	93	45-156	
1,1-Dichloroethane	ug/kg	<159	3980	4450	112	53-160	
1,1-Dichloroethene	ug/kg	<159	3980	3990	100	47-152	
1,1-Dichloropropene	ug/kg	<159	3980	4360	109	56-130	
1,2,3-Trichlorobenzene	ug/kg	<159	3980	2740	69	48-144 CL	
1,2,3-Trichloropropane	ug/kg	<159	3980	3280	82	67-129	
1,2,4,5-tetramethylbenzene	ug/kg	<159	3980	3190	80	60-142 N3	
1,2,4-Trichlorobenzene	ug/kg	<159	3980	3060	77	52-140	
1,2,4-Trimethylbenzene	ug/kg	<159	3980	3610	91	59-126	
1,2-Dibromo-3-chloropropane	ug/kg	<159	3980	2740	69	57-140	
1,2-Dibromoethane (EDB)	ug/kg	<159	3980	3430	86	76-138	
1,2-Dichlorobenzene	ug/kg	<159	3980	3500	88	67-125	
1,2-Dichloroethane	ug/kg	<159	3980	3730	94	65-143	
1,2-Dichloropropane	ug/kg	<159	3980	4300	108	72-131	
1,3,5-Trimethylbenzene	ug/kg	<159	3980	3560	89	49-134	
1,3-Dichlorobenzene	ug/kg	<159	3980	3560	89	64-124	
1,3-Dichloropropane	ug/kg	<159	3980	3570	90	73-130	
1,4-Dichlorobenzene	ug/kg	<159	3980	3540	89	61-127	
1,4-Diethylbenzene	ug/kg	<159	3980	3310	83	54-137 N3	
2,2-Dichloropropane	ug/kg	<159	3980	3770	95	55-140	
2-Butanone (MEK)	ug/kg	<159	3980	7800	192	52-164 CH,IH,M0	

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QUALITY CONTROL DATA

Project: COYNE TEXTILE FACILITY 4/5

Pace Project No.: 7047482

MATRIX SPIKE SAMPLE: 291197		7047475002	Spike	MS	MS	% Rec	
Parameter	Units	Result	Conc.	Result	% Rec	Limits	Qualifiers
2-Chlorotoluene	ug/kg	<159	3980	3810	96	62-125	
4-Chlorotoluene	ug/kg	<159	3980	3910	98	62-125	
4-Ethyltoluene	ug/kg	<159	3980	3690	93	56-130	N3
4-Methyl-2-pentanone (MIBK)	ug/kg	<159	3980	4360	110	63-154	CH
Acetone	ug/kg	507	3980	6700	155	23-196	CH
Benzene	ug/kg	<159	3980	4150	104	65-129	
Bromobenzene	ug/kg	<159	3980	3530	89	63-130	
Bromochloromethane	ug/kg	<159	3980	3600	90	78-136	
Bromodichloromethane	ug/kg	<159	3980	3430	86	74-141	
Bromoform	ug/kg	<159	3980	2380	60	59-136	
Bromomethane	ug/kg	<159	3980	664	17	32-182	M0
Carbon tetrachloride	ug/kg	<159	3980	3410	86	57-135	
Chlorobenzene	ug/kg	<159	3980	3300	83	62-136	
Chlorodifluoromethane	ug/kg	<159	3980	3930	99	14-161	N3
Chloroethane	ug/kg	<159	3980	504	13	50-159	CH,M0
Chloroform	ug/kg	<159	3980	3740	94	71-135	
Chloromethane	ug/kg	<159	3980	4790	120	44-139	CH
cis-1,2-Dichloroethene	ug/kg	<159	3980	3920	98	75-130	
cis-1,3-Dichloropropene	ug/kg	<159	3980	4170	105	74-140	CH
Dibromochloromethane	ug/kg	<159	3980	2700	68	71-133	M1
Dibromomethane	ug/kg	<159	3980	3510	88	75-136	
Dichlorodifluoromethane	ug/kg	<159	3980	2250	57	10-155	CL
Ethylbenzene	ug/kg	<159	3980	3370	84	59-135	
Hexachloro-1,3-butadiene	ug/kg	<159	3980	2700	68	19-152	CL
Isopropylbenzene (Cumene)	ug/kg	<159	3980	3820	96	56-129	
m&p-Xylene	ug/kg	<319	7970	6740	85	69-133	
Methyl-tert-butyl ether	ug/kg	<159	3980	3590	90	25-171	
Methylene Chloride	ug/kg	<159	3980	3700	93	50-164	
n-Butylbenzene	ug/kg	<159	3980	3460	87	54-121	
n-Propylbenzene	ug/kg	<159	3980	3760	94	56-125	
Naphthalene	ug/kg	<159	3980	2890	73	55-145	
o-Xylene	ug/kg	<159	3980	3330	84	71-135	
p-Isopropyltoluene	ug/kg	<159	3980	3260	82	54-126	
sec-Butylbenzene	ug/kg	<159	3980	3460	87	50-126	
Styrene	ug/kg	<159	3980	3280	82	73-133	
tert-Butylbenzene	ug/kg	<159	3980	3440	86	56-127	
Tetrachloroethene	ug/kg	<159	3980	5420	136	10-176	
Toluene	ug/kg	<159	3980	3810	96	66-131	
trans-1,2-Dichloroethene	ug/kg	<159	3980	4050	102	53-157	
trans-1,3-Dichloropropene	ug/kg	<159	3980	4000	100	66-144	
Trichloroethene	ug/kg	<159	3980	3660	92	62-130	
Trichlorofluoromethane	ug/kg	<159	3980	3660	92	38-166	
Vinyl chloride	ug/kg	<159	3980	4170	105	45-137	
Xylene (Total)	ug/kg	<319	11900	10100	84	62-135	
1,2-Dichloroethane-d4 (S)	%				117	33-150	
4-Bromofluorobenzene (S)	%				98	34-145	
Toluene-d8 (S)	%				98	43-157	

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QUALITY CONTROL DATA

Project: COYNE TEXTILE FACILITY 4/5

Pace Project No.: 7047482

SAMPLE DUPLICATE: 291198

Parameter	Units	7047475004 Result	Dup Result	RPD	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	<126	<126		
1,1,1-Trichloroethane	ug/kg	<126	<126		
1,1,2,2-Tetrachloroethane	ug/kg	<126	<126		
1,1,2-Trichloroethane	ug/kg	<126	<126		
1,1,2-Trichlorotrifluoroethane	ug/kg	<126	<126		
1,1-Dichloroethane	ug/kg	<126	<126		
1,1-Dichloroethene	ug/kg	<126	<126		
1,1-Dichloropropene	ug/kg	<126	<126		
1,2,3-Trichlorobenzene	ug/kg	<126	<126		CL
1,2,3-Trichloropropane	ug/kg	<126	<126		
1,2,4,5-tetramethylbenzene	ug/kg	<126	<126		N3
1,2,4-Trichlorobenzene	ug/kg	<126	<126		
1,2,4-Trimethylbenzene	ug/kg	<126	<126		
1,2-Dibromo-3-chloropropane	ug/kg	<126	<126		
1,2-Dibromoethane (EDB)	ug/kg	<126	<126		
1,2-Dichlorobenzene	ug/kg	<126	<126		
1,2-Dichloroethane	ug/kg	<126	<126		
1,2-Dichloropropane	ug/kg	<126	<126		
1,3,5-Trimethylbenzene	ug/kg	<126	<126		
1,3-Dichlorobenzene	ug/kg	<126	<126		
1,3-Dichloropropane	ug/kg	<126	<126		
1,4-Dichlorobenzene	ug/kg	<126	<126		
1,4-Diethylbenzene	ug/kg	<126	<126		N3
2,2-Dichloropropane	ug/kg	<126	<126		
2-Butanone (MEK)	ug/kg	<126	131		CH,IH
2-Chlorotoluene	ug/kg	<126	<126		
4-Chlorotoluene	ug/kg	<126	<126		
4-Ethyltoluene	ug/kg	<126	<126		N3
4-Methyl-2-pentanone (MIBK)	ug/kg	<126	<126		
Acetone	ug/kg	236	250		6 CH
Benzene	ug/kg	<126	<126		
Bromobenzene	ug/kg	<126	<126		
Bromochloromethane	ug/kg	<126	<126		
Bromodichloromethane	ug/kg	<126	<126		
Bromoform	ug/kg	<126	<126		
Bromomethane	ug/kg	<126	<126		
Carbon tetrachloride	ug/kg	<126	<126		
Chlorobenzene	ug/kg	<126	<126		
Chlorodifluoromethane	ug/kg	<126	<126		N3
Chloroethane	ug/kg	<126	<126		
Chloroform	ug/kg	<126	<126		
Chloromethane	ug/kg	<126	<126		
cis-1,2-Dichloroethene	ug/kg	<126	<126		
cis-1,3-Dichloropropene	ug/kg	<126	<126		
Dibromochloromethane	ug/kg	<126	<126		
Dibromomethane	ug/kg	<126	<126		
Dichlorodifluoromethane	ug/kg	<126	<126		CL

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QUALITY CONTROL DATA

Project: COYNE TEXTILE FACILITY 4/5

Pace Project No.: 7047482

SAMPLE DUPLICATE: 291198

Parameter	Units	7047475004 Result	Dup Result	RPD	Qualifiers
Ethylbenzene	ug/kg	<126	<126		
Hexachloro-1,3-butadiene	ug/kg	<126	<126		CL
Isopropylbenzene (Cumene)	ug/kg	141	156	9	
m&p-Xylene	ug/kg	<251	<251		
Methyl-tert-butyl ether	ug/kg	<126	<126		
Methylene Chloride	ug/kg	<126	<126		
n-Butylbenzene	ug/kg	<126	<126		
n-Propylbenzene	ug/kg	<126	<126		
Naphthalene	ug/kg	<126	<126		
o-Xylene	ug/kg	<126	<126		
p-Isopropyltoluene	ug/kg	<126	<126		
sec-Butylbenzene	ug/kg	237	266	12	
Styrene	ug/kg	<126	<126		
tert-Butylbenzene	ug/kg	<126	136		
Tetrachloroethene	ug/kg	147	146	1	
Toluene	ug/kg	<126	<126		
trans-1,2-Dichloroethene	ug/kg	<126	<126		
trans-1,3-Dichloropropene	ug/kg	<126	<126		
Trichloroethene	ug/kg	<126	<126		
Trichlorofluoromethane	ug/kg	<126	<126		
Vinyl chloride	ug/kg	<126	<126		
Xylene (Total)	ug/kg	<251	<251		
1,2-Dichloroethane-d4 (S)	%	112	110	1	
4-Bromofluorobenzene (S)	%	155	167	7	SO
Toluene-d8 (S)	%	93	91	1	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: COYNE TEXTILE FACILITY 4/5
Pace Project No.: 7047482

QC Batch: 62432 Analysis Method: EPA 8081B
QC Batch Method: EPA 3546 Analysis Description: 8081 GCS Pesticides
Associated Lab Samples: 7047482008

METHOD BLANK: 286634 Matrix: Solid
Associated Lab Samples: 7047482008

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
4,4'-DDD	ug/kg	<3.3	3.3	04/14/18 17:40	
4,4'-DDE	ug/kg	<3.3	3.3	04/14/18 17:40	
4,4'-DDT	ug/kg	<3.3	3.3	04/14/18 17:40	
Aldrin	ug/kg	<1.7	1.7	04/14/18 17:40	
alpha-BHC	ug/kg	<1.7	1.7	04/14/18 17:40	
alpha-Chlordane	ug/kg	<1.7	1.7	04/14/18 17:40	
beta-BHC	ug/kg	<1.7	1.7	04/14/18 17:40	
delta-BHC	ug/kg	<1.7	1.7	04/14/18 17:40	
Dieldrin	ug/kg	<3.3	3.3	04/14/18 17:40	
Endosulfan I	ug/kg	<1.7	1.7	04/14/18 17:40	
Endosulfan II	ug/kg	<3.3	3.3	04/14/18 17:40	
Endosulfan sulfate	ug/kg	<3.3	3.3	04/14/18 17:40	
Endrin	ug/kg	<3.3	3.3	04/14/18 17:40	
Endrin aldehyde	ug/kg	<3.3	3.3	04/14/18 17:40	
Endrin ketone	ug/kg	<3.3	3.3	04/14/18 17:40	
gamma-BHC (Lindane)	ug/kg	<1.7	1.7	04/14/18 17:40	
gamma-Chlordane	ug/kg	<1.7	1.7	04/14/18 17:40	
Heptachlor	ug/kg	<1.7	1.7	04/14/18 17:40	
Heptachlor epoxide	ug/kg	<1.7	1.7	04/14/18 17:40	
Methoxychlor	ug/kg	<17.0	17.0	04/14/18 17:40	
Toxaphene	ug/kg	<170	170	04/14/18 17:40	
Decachlorobiphenyl (S)	%	103	30-150	04/14/18 17:40	
Tetrachloro-m-xylene (S)	%	93	30-150	04/14/18 17:40	

LABORATORY CONTROL SAMPLE: 286635

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
4,4'-DDD	ug/kg	13.3	13.7	103	57-156	
4,4'-DDE	ug/kg	13.3	13.1	98	52-135	
4,4'-DDT	ug/kg	13.3	13.7	103	64-127	
Aldrin	ug/kg	13.3	7.7	58	35-147	
alpha-BHC	ug/kg	13.3	13.5	101	41-135	
alpha-Chlordane	ug/kg	13.3	12.6	94	43-128	
beta-BHC	ug/kg	13.3	12.6	95	42-158	
delta-BHC	ug/kg	13.3	13.8	103	48-142	
Dieldrin	ug/kg	13.3	13.2	99	47-134	
Endosulfan I	ug/kg	13.3	10.4	78	54-145	
Endosulfan II	ug/kg	13.3	12.0	90	61-137	
Endosulfan sulfate	ug/kg	13.3	14.6	109	51-154	
Endrin	ug/kg	13.3	13.5	101	37-146	

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QUALITY CONTROL DATA

Project: COYNE TEXTILE FACILITY 4/5
Pace Project No.: 7047482

LABORATORY CONTROL SAMPLE: 286635

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Endrin aldehyde	ug/kg	13.3	12.7	95	31-159	
Endrin ketone	ug/kg	13.3	15.0	112	43-171	
gamma-BHC (Lindane)	ug/kg	13.3	12.6	95	44-139	
gamma-Chlordane	ug/kg	13.3	12.8	96	43-134	
Heptachlor	ug/kg	13.3	13.0	98	57-148	
Heptachlor epoxide	ug/kg	13.3	13.1	98	49-128	
Methoxychlor	ug/kg	13.3	<17.0	121	41-188	
Decachlorobiphenyl (S)	%			100	30-150	
Tetrachloro-m-xylene (S)	%			105	30-150	

LABORATORY CONTROL SAMPLE: 286636

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Toxaphene	ug/kg	667	457	69	45-146	
Decachlorobiphenyl (S)	%			109	30-150	
Tetrachloro-m-xylene (S)	%			91	30-150	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 286665 286666

Parameter	Units	7046901002		MS		MSD		MS		MSD		% Rec Limits	RPD	Qual
		Result	Conc.	Spike Conc.	Spike Conc.	Result	Result	% Rec	% Rec					
4,4'-DDD	ug/kg	<3.6	14.6	14.6	14.6	4.7	4.9	33	34	57-156	3	M1		
4,4'-DDE	ug/kg	264	14.6	14.6	14.6	134	106	-892	-1090	52-135	24	E		
4,4'-DDT	ug/kg	227	14.6	14.6	14.6	103	133	-852	-648	64-127	25	E		
Aldrin	ug/kg	<1.9	14.6	14.6	14.6	8.7	6.9	59	47	35-147	23			
alpha-BHC	ug/kg	11.2	14.6	14.6	14.6	14.7	14.2	24	21	41-135	3	M1		
alpha-Chlordane	ug/kg	<1.9	14.6	14.6	14.6	14.9	13.1	102	90	43-128	13			
beta-BHC	ug/kg	<1.9	14.6	14.6	14.6	4.5	31.3	31	215	42-158	149	E,M1,R1		
delta-BHC	ug/kg	7.3	14.6	14.6	14.6	15.0	14.1	53	47	48-142	6	E,M1		
Dieldrin	ug/kg	<3.6	14.6	14.6	14.6	7.2	<3.6	49	0	47-134		M1		
Endosulfan I	ug/kg	6.4	14.6	14.6	14.6	11.1	7.9	32	10	54-145	34	M1,R1		
Endosulfan II	ug/kg	217	14.6	14.6	14.6	89.3	70.4	-877	-1010	61-137	24	E		
Endosulfan sulfate	ug/kg	<3.6	14.6	14.6	14.6	<3.6	45.3	12	310	51-154		E,M1		
Endrin	ug/kg	<3.6	14.6	14.6	14.6	44.8	22.7	307	156	37-146	66	E,M1,R1		
Endrin aldehyde	ug/kg	25.1	14.6	14.6	14.6	23.6	87.5	-10	428	31-159	115	E,M1,R1		
Endrin ketone	ug/kg	<3.6	14.6	14.6	14.6	9.2	8.0	63	55	43-171	14			
gamma-BHC (Lindane)	ug/kg	4.6	14.6	14.6	14.6	26.5	33.7	150	199	44-139	24	E,M1		
gamma-Chlordane	ug/kg	<1.9	14.6	14.6	14.6	16.9	14.3	116	98	43-134	17	E		
Heptachlor	ug/kg	<1.9	14.6	14.6	14.6	10	12.3	68	84	57-148	21	R1		
Heptachlor epoxide	ug/kg	7.1	14.6	14.6	14.6	17.9	14.1	74	48	49-128	24	E,M1		
Methoxychlor	ug/kg	36.1	14.6	14.6	14.6	98.0	30.5	424	-39	41-188	105	E,M1,R1		
Toxaphene	ug/kg	<186				<186	<186							
Decachlorobiphenyl (S)	%							409	304	30-150		3j,E,S0		
Tetrachloro-m-xylene (S)	%							47	37	30-150				

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QUALITY CONTROL DATA

Project: COYNE TEXTILE FACILITY 4/5
Pace Project No.: 7047482

QC Batch: 63169 Analysis Method: EPA 8082A
QC Batch Method: EPA 3546 Analysis Description: 8082 GCS PCB
Associated Lab Samples: 7047482001, 7047482002, 7047482003, 7047482006, 7047482007, 7047482009, 7047482010, 7047482011

METHOD BLANK: 290002 Matrix: Solid
Associated Lab Samples: 7047482001, 7047482002, 7047482003, 7047482006, 7047482007, 7047482009, 7047482010, 7047482011

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
PCB-1016 (Aroclor 1016)	ug/kg	<33.0	33.0	04/14/18 02:29	
PCB-1221 (Aroclor 1221)	ug/kg	<67.0	67.0	04/14/18 02:29	
PCB-1232 (Aroclor 1232)	ug/kg	<33.0	33.0	04/14/18 02:29	
PCB-1242 (Aroclor 1242)	ug/kg	<33.0	33.0	04/14/18 02:29	
PCB-1248 (Aroclor 1248)	ug/kg	<33.0	33.0	04/14/18 02:29	
PCB-1254 (Aroclor 1254)	ug/kg	<33.0	33.0	04/14/18 02:29	
PCB-1260 (Aroclor 1260)	ug/kg	<33.0	33.0	04/14/18 02:29	
Decachlorobiphenyl (S)	%	91	30-150	04/14/18 02:29	
Tetrachloro-m-xylene (S)	%	71	30-150	04/14/18 02:29	

LABORATORY CONTROL SAMPLE: 290003

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
PCB-1016 (Aroclor 1016)	ug/kg	167	149	90	50-136	
PCB-1260 (Aroclor 1260)	ug/kg	167	191	115	45-154	
Decachlorobiphenyl (S)	%			89	30-150	
Tetrachloro-m-xylene (S)	%			62	30-150	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 290004 290005

Parameter	Units	7047482005		290005		MS % Rec	MSD % Rec	% Rec Limits	RPD	Qual
		MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result					
PCB-1016 (Aroclor 1016)	ug/kg	<42.1		<42.4	201					
PCB-1221 (Aroclor 1221)	ug/kg	<85.5		<86.0	<86.0					
PCB-1232 (Aroclor 1232)	ug/kg	<42.1		<42.4	<42.4					
PCB-1242 (Aroclor 1242)	ug/kg	<42.1		<42.4	240					
PCB-1248 (Aroclor 1248)	ug/kg	<42.1		<42.4	<42.4					
PCB-1254 (Aroclor 1254)	ug/kg	<42.1		<42.4	<42.4					
PCB-1260 (Aroclor 1260)	ug/kg	<42.1		<42.4	232					
Decachlorobiphenyl (S)	%					10	78	30-150		S0
Tetrachloro-m-xylene (S)	%					7	63	30-150		S0

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QUALITY CONTROL DATA

Project: COYNE TEXTILE FACILITY 4/5

QC Project No.: 7047482

QC Batch: 63683

Analysis Method: EPA 8082A

QC Batch Method: EPA 3546

Analysis Description: 8082 GCS PCB

Associated Lab Samples: 7047482004, 7047482008

METHOD BLANK: 292419

Matrix: Solid

Associated Lab Samples: 7047482004, 7047482008

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
PCB-1016 (Aroclor 1016)	ug/kg	<33.0	33.0	04/17/18 23:19	
PCB-1221 (Aroclor 1221)	ug/kg	<67.0	67.0	04/17/18 23:19	
PCB-1232 (Aroclor 1232)	ug/kg	<33.0	33.0	04/17/18 23:19	
PCB-1242 (Aroclor 1242)	ug/kg	<33.0	33.0	04/17/18 23:19	
PCB-1248 (Aroclor 1248)	ug/kg	<33.0	33.0	04/17/18 23:19	
PCB-1254 (Aroclor 1254)	ug/kg	<33.0	33.0	04/17/18 23:19	
PCB-1260 (Aroclor 1260)	ug/kg	<33.0	33.0	04/17/18 23:19	
Decachlorobiphenyl (S)	%	55	30-150	04/17/18 23:19	
Tetrachloro-m-xylene (S)	%	83	30-150	04/17/18 23:19	

LABORATORY CONTROL SAMPLE: 292420

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
PCB-1016 (Aroclor 1016)	ug/kg	167	195	117	50-136	
PCB-1260 (Aroclor 1260)	ug/kg	167	169	101	45-154	
Decachlorobiphenyl (S)	%			56	30-150	
Tetrachloro-m-xylene (S)	%			82	30-150	

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QUALITY CONTROL DATA

Project: COYNE TEXTILE FACILITY 4/5
Pace Project No.: 7047482

QC Batch: 63960 Analysis Method: EPA 8082A
QC Batch Method: EPA 3546 Analysis Description: 8082 GCS PCB
Associated Lab Samples: 7047482005

METHOD BLANK: 293671 Matrix: Solid
Associated Lab Samples: 7047482005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
PCB-1016 (Aroclor 1016)	ug/kg	<33.0	33.0	04/18/18 16:43	
PCB-1221 (Aroclor 1221)	ug/kg	<67.0	67.0	04/18/18 16:43	
PCB-1232 (Aroclor 1232)	ug/kg	<33.0	33.0	04/18/18 16:43	
PCB-1242 (Aroclor 1242)	ug/kg	<33.0	33.0	04/18/18 16:43	
PCB-1248 (Aroclor 1248)	ug/kg	<33.0	33.0	04/18/18 16:43	
PCB-1254 (Aroclor 1254)	ug/kg	<33.0	33.0	04/18/18 16:43	
PCB-1260 (Aroclor 1260)	ug/kg	<33.0	33.0	04/18/18 16:43	
Decachlorobiphenyl (S)	%	81	30-150	04/18/18 16:43	
Tetrachloro-m-xylene (S)	%	68	30-150	04/18/18 16:43	

LABORATORY CONTROL SAMPLE: 293672

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
PCB-1016 (Aroclor 1016)	ug/kg	167	149	89	50-136	
PCB-1260 (Aroclor 1260)	ug/kg	167	187	112	45-154	
Decachlorobiphenyl (S)	%			80	30-150	
Tetrachloro-m-xylene (S)	%			63	30-150	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 293699 293700

Parameter	Units	7048569004		293700		MS % Rec	MSD % Rec	% Rec Limits	RPD	Qual
		MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result					
PCB-1016 (Aroclor 1016)	ug/kg	<34.4	175	175	119	141	68	80	28-173	17
PCB-1221 (Aroclor 1221)	ug/kg	<69.8			<70.3	<70.4				
PCB-1232 (Aroclor 1232)	ug/kg	<34.4			<34.6	<34.7				
PCB-1242 (Aroclor 1242)	ug/kg	<34.4			<34.6	<34.7				
PCB-1248 (Aroclor 1248)	ug/kg	<34.4			<34.6	<34.7				
PCB-1254 (Aroclor 1254)	ug/kg	<34.4			<34.6	<34.7				
PCB-1260 (Aroclor 1260)	ug/kg	<34.4	175	175	143	169	82	97	43-138	17
Decachlorobiphenyl (S)	%						59	63	30-150	
Tetrachloro-m-xylene (S)	%						46	53	30-150	

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QUALITY CONTROL DATA

Project: COYNE TEXTILE FACILITY 4/5
Pace Project No.: 7047482

QC Batch: 62654 Analysis Method: EPA 8270D
QC Batch Method: EPA 3545A Analysis Description: 8270 Solid MSSV
Associated Lab Samples: 7047482001, 7047482002, 7047482003, 7047482004, 7047482005, 7047482006, 7047482007, 7047482008, 7047482009, 7047482010, 7047482011

METHOD BLANK: 287780 Matrix: Solid
Associated Lab Samples: 7047482001, 7047482002, 7047482003, 7047482004, 7047482005, 7047482006, 7047482007, 7047482008, 7047482009, 7047482010, 7047482011

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,2,4-Trichlorobenzene	ug/kg	<67.0	67.0	04/12/18 16:05	
2,2'-Oxybis(1-chloropropane)	ug/kg	<67.0	67.0	04/12/18 16:05	
2,4,5-Trichlorophenol	ug/kg	<67.0	67.0	04/12/18 16:05	
2,4,6-Trichlorophenol	ug/kg	<67.0	67.0	04/12/18 16:05	
2,4-Dichlorophenol	ug/kg	<67.0	67.0	04/12/18 16:05	
2,4-Dimethylphenol	ug/kg	<67.0	67.0	04/12/18 16:05	
2,4-Dinitrophenol	ug/kg	<67.0	67.0	04/12/18 16:05	
2,4-Dinitrotoluene	ug/kg	<330	330	04/12/18 16:05	
2,6-Dinitrotoluene	ug/kg	<330	330	04/12/18 16:05	
2-Chloronaphthalene	ug/kg	<67.0	67.0	04/12/18 16:05	
2-Chlorophenol	ug/kg	<67.0	67.0	04/12/18 16:05	
2-Methylnaphthalene	ug/kg	<67.0	67.0	04/12/18 16:05	
2-Methylphenol(o-Cresol)	ug/kg	<67.0	67.0	04/12/18 16:05	
2-Nitroaniline	ug/kg	<330	330	04/12/18 16:05	
2-Nitrophenol	ug/kg	<330	330	04/12/18 16:05	
3&4-Methylphenol(m&p Cresol)	ug/kg	<67.0	67.0	04/12/18 16:05	
3,3'-Dichlorobenzidine	ug/kg	<330	330	04/12/18 16:05	
3-Nitroaniline	ug/kg	<330	330	04/12/18 16:05	
4,6-Dinitro-2-methylphenol	ug/kg	<67.0	67.0	04/12/18 16:05	
4-Bromophenylphenyl ether	ug/kg	<67.0	67.0	04/12/18 16:05	
4-Chloro-3-methylphenol	ug/kg	<67.0	67.0	04/12/18 16:05	
4-Chloroaniline	ug/kg	<330	330	04/12/18 16:05	
4-Chlorophenylphenyl ether	ug/kg	<67.0	67.0	04/12/18 16:05	
4-Nitroaniline	ug/kg	<330	330	04/12/18 16:05	
4-Nitrophenol	ug/kg	<67.0	67.0	04/12/18 16:05	
Acenaphthene	ug/kg	<67.0	67.0	04/12/18 16:05	
Acenaphthylene	ug/kg	<67.0	67.0	04/12/18 16:05	
Acetophenone	ug/kg	<67.0	67.0	04/12/18 16:05	
Anthracene	ug/kg	<67.0	67.0	04/12/18 16:05	
Atrazine	ug/kg	<67.0	67.0	04/12/18 16:05	
Benzaldehyde	ug/kg	<67.0	67.0	04/12/18 16:05	CL
Benzo(a)anthracene	ug/kg	<67.0	67.0	04/12/18 16:05	
Benzo(a)pyrene	ug/kg	<67.0	67.0	04/12/18 16:05	
Benzo(b)fluoranthene	ug/kg	<67.0	67.0	04/12/18 16:05	
Benzo(g,h,i)perylene	ug/kg	<67.0	67.0	04/12/18 16:05	
Benzo(k)fluoranthene	ug/kg	<67.0	67.0	04/12/18 16:05	
Biphenyl (Diphenyl)	ug/kg	<67.0	67.0	04/12/18 16:05	
bis(2-Chloroethoxy)methane	ug/kg	<67.0	67.0	04/12/18 16:05	
bis(2-Chloroethyl) ether	ug/kg	<67.0	67.0	04/12/18 16:05	
bis(2-Ethylhexyl)phthalate	ug/kg	<67.0	67.0	04/12/18 16:05	

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QUALITY CONTROL DATA

Project: COYNE TEXTILE FACILITY 4/5
Pace Project No.: 7047482

METHOD BLANK: 287780

Matrix: Solid

Associated Lab Samples: 7047482001, 7047482002, 7047482003, 7047482004, 7047482005, 7047482006, 7047482007, 7047482008, 7047482009, 7047482010, 7047482011

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Butylbenzylphthalate	ug/kg	<67.0	67.0	04/12/18 16:05	
Caprolactam	ug/kg	<67.0	67.0	04/12/18 16:05	
Carbazole	ug/kg	<67.0	67.0	04/12/18 16:05	
Chrysene	ug/kg	<67.0	67.0	04/12/18 16:05	
Di-n-butylphthalate	ug/kg	<67.0	67.0	04/12/18 16:05	
Di-n-octylphthalate	ug/kg	<67.0	67.0	04/12/18 16:05	
Dibenz(a,h)anthracene	ug/kg	<67.0	67.0	04/12/18 16:05	
Dibenzofuran	ug/kg	<67.0	67.0	04/12/18 16:05	
Diethylphthalate	ug/kg	<67.0	67.0	04/12/18 16:05	
Dimethylphthalate	ug/kg	<67.0	67.0	04/12/18 16:05	
Fluoranthene	ug/kg	<67.0	67.0	04/12/18 16:05	
Fluorene	ug/kg	<67.0	67.0	04/12/18 16:05	
Hexachloro-1,3-butadiene	ug/kg	<67.0	67.0	04/12/18 16:05	
Hexachlorobenzene	ug/kg	<67.0	67.0	04/12/18 16:05	
Hexachlorocyclopentadiene	ug/kg	<330	330	04/12/18 16:05	CL
Hexachloroethane	ug/kg	<67.0	67.0	04/12/18 16:05	
Indeno(1,2,3-cd)pyrene	ug/kg	<67.0	67.0	04/12/18 16:05	
Isophorone	ug/kg	<67.0	67.0	04/12/18 16:05	
N-Nitroso-di-n-propylamine	ug/kg	<67.0	67.0	04/12/18 16:05	
N-Nitrosodiphenylamine	ug/kg	<67.0	67.0	04/12/18 16:05	
Naphthalene	ug/kg	<67.0	67.0	04/12/18 16:05	
Nitrobenzene	ug/kg	<67.0	67.0	04/12/18 16:05	
Pentachlorophenol	ug/kg	<670	670	04/12/18 16:05	
Phenanthrene	ug/kg	<67.0	67.0	04/12/18 16:05	
Phenol	ug/kg	<67.0	67.0	04/12/18 16:05	
Pyrene	ug/kg	<67.0	67.0	04/12/18 16:05	
1,2-Dichlorobenzene-d4 (S)	%	66	20-130	04/12/18 16:05	
2,4,6-Tribromophenol (S)	%	81	19-122	04/12/18 16:05	
2-Chlorophenol-d4 (S)	%	74	20-130	04/12/18 16:05	
2-Fluorobiphenyl (S)	%	86	30-115	04/12/18 16:05	
2-Fluorophenol (S)	%	62	25-121	04/12/18 16:05	
Nitrobenzene-d5 (S)	%	72	23-120	04/12/18 16:05	
p-Terphenyl-d14 (S)	%	81	18-137	04/12/18 16:05	
Phenol-d5 (S)	%	71	24-113	04/12/18 16:05	

LABORATORY CONTROL SAMPLE: 287781

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2,4-Trichlorobenzene	ug/kg	1670	961	58	35-110	
2,2'-Oxybis(1-chloropropane)	ug/kg	1670	699	42	33-116	
2,4,5-Trichlorophenol	ug/kg	1670	1070	64	45-111	
2,4,6-Trichlorophenol	ug/kg	1670	955	57	45-110	
2,4-Dichlorophenol	ug/kg	1670	1040	62	41-117	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: COYNE TEXTILE FACILITY 4/5

Pace Project No.: 7047482

LABORATORY CONTROL SAMPLE: 287781

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
2,4-Dimethylphenol	ug/kg	1670	633	38	24-96	
2,4-Dinitrophenol	ug/kg	1670	<670	27	10-80	
2,4-Dinitrotoluene	ug/kg	1670	1020	61	49-112	
2,6-Dinitrotoluene	ug/kg	1670	967	58	50-109	
2-Chloronaphthalene	ug/kg	1670	928	56	35-107	
2-Chlorophenol	ug/kg	1670	864	52	36-109	
2-Methylnaphthalene	ug/kg	1670	963	58	31-135	
2-Methylphenol(o-Cresol)	ug/kg	1670	935	56	36-104	
2-Nitroaniline	ug/kg	1670	819	49	42-118	
2-Nitrophenol	ug/kg	1670	923	55	36-117	
3&4-Methylphenol(m&p Cresol)	ug/kg	1670	926	56	37-137	
3,3'-Dichlorobenzidine	ug/kg	1670	834	50	41-116	
3-Nitroaniline	ug/kg	1670	670	40	40-95	
4,6-Dinitro-2-methylphenol	ug/kg	1670	<670	38	16-104	
4-Bromophenylphenyl ether	ug/kg	1670	968	58	50-116	
4-Chloro-3-methylphenol	ug/kg	1670	1090	65	45-118	
4-Chloroaniline	ug/kg	1670	596	36	29-88	
4-Chlorophenylphenyl ether	ug/kg	1670	1010	61	48-111	
4-Nitroaniline	ug/kg	1670	671	40	46-110	L2
4-Nitrophenol	ug/kg	1670	847	51	26-118	
Acenaphthene	ug/kg	1670	957	57	45-109	
Acenaphthylene	ug/kg	1670	964	58	43-107	
Acetophenone	ug/kg	1670	915	55	10-132	
Anthracene	ug/kg	1670	1030	62	50-117	
Atrazine	ug/kg	1670	1230	74	40-120	
Benzaldehyde	ug/kg	1670	120	7	40-140	CL,L2
Benzo(a)anthracene	ug/kg	1670	1010	61	52-116	
Benzo(a)pyrene	ug/kg	1670	988	59	56-119	
Benzo(b)fluoranthene	ug/kg	1670	1000	60	45-122	
Benzo(g,h,i)perylene	ug/kg	1670	986	59	30-107	
Benzo(k)fluoranthene	ug/kg	1670	952	57	54-124	
Biphenyl (Diphenyl)	ug/kg	1670	953	57	40-120	
bis(2-Chloroethoxy)methane	ug/kg	1670	842	50	29-112	
bis(2-Chloroethyl) ether	ug/kg	1670	719	43	32-116	
bis(2-Ethylhexyl)phthalate	ug/kg	1670	1030	62	60-127	
Butylbenzylphthalate	ug/kg	1670	959	58	54-130	
Caprolactam	ug/kg	1670	993	60	40-120	
Carbazole	ug/kg	1670	1010	61	40-120	
Chrysene	ug/kg	1670	956	57	48-121	
Di-n-butylphthalate	ug/kg	1670	985	59	53-124	
Di-n-octylphthalate	ug/kg	1670	1050	63	46-141	
Dibenz(a,h)anthracene	ug/kg	1670	891	53	52-109	
Dibenzofuran	ug/kg	1670	976	59	48-112	
Diethylphthalate	ug/kg	1670	1030	62	51-114	
Dimethylphthalate	ug/kg	1670	959	58	49-112	
Fluoranthene	ug/kg	1670	1050	63	45-126	
Fluorene	ug/kg	1670	987	59	47-108	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: COYNE TEXTILE FACILITY 4/5
Pace Project No.: 7047482

LABORATORY CONTROL SAMPLE: 287781

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Hexachloro-1,3-butadiene	ug/kg	1670	979	59	36-118	
Hexachlorobenzene	ug/kg	1670	1060	64	51-110	
Hexachlorocyclopentadiene	ug/kg	1670	766	46	10-97	CL
Hexachloroethane	ug/kg	1670	879	53	34-105	
Indeno(1,2,3-cd)pyrene	ug/kg	1670	850	51	50-108	
Isophorone	ug/kg	1670	909	55	14-129	
N-Nitroso-di-n-propylamine	ug/kg	1670	833	50	33-109	
N-Nitrosodiphenylamine	ug/kg	1670	967	58	39-90	
Naphthalene	ug/kg	1670	960	58	18-142	
Nitrobenzene	ug/kg	1670	841	50	36-119	
Pentachlorophenol	ug/kg	1670	918	55	22-115	
Phenanthrene	ug/kg	1670	1030	62	47-124	
Phenol	ug/kg	1670	914	55	38-104	
Pyrene	ug/kg	1670	977	59	49-132	
1,2-Dichlorobenzene-d4 (S)	%			52	20-130	
2,4,6-Tribromophenol (S)	%			64	19-122	
2-Chlorophenol-d4 (S)	%			54	20-130	
2-Fluorobiphenyl (S)	%			57	30-115	
2-Fluorophenol (S)	%			50	25-121	
Nitrobenzene-d5 (S)	%			50	23-120	
p-Terphenyl-d14 (S)	%			59	18-137	
Phenol-d5 (S)	%			52	24-113	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 287782 287783

Parameter	Units	7047482005		MS	MSD	MS		MSD		% Rec Limits	RPD	Qual
		Result	Spike Conc.	Spike Conc.	Result	Result	% Rec	% Rec				
1,2,4-Trichlorobenzene	ug/kg	<85.6	2130	2140	1650	1520	77	71	35-110	8		
2,2'-Oxybis(1-chloropropane)	ug/kg	<85.6	2130	2140	1080	1090	51	51	33-116	1		
2,4,5-Trichlorophenol	ug/kg	<85.6	2130	2140	1440	1480	68	69	45-111	3		
2,4,6-Trichlorophenol	ug/kg	<85.6	2130	2140	1070	1170	50	55	45-110	9		
2,4-Dichlorophenol	ug/kg	<85.6	2130	2140	1360	1390	64	65	41-117	2		
2,4-Dimethylphenol	ug/kg	<85.6	2130	2140	1420	1530	67	72	24-96	8		
2,4-Dinitrophenol	ug/kg	<856	2130	2140	<856	<860	37	39	10-80			
2,4-Dinitrotoluene	ug/kg	<421	2130	2140	1540	1550	72	72	49-112	1		
2,6-Dinitrotoluene	ug/kg	<421	2130	2140	1490	1460	70	68	50-109	3		
2-Chloronaphthalene	ug/kg	<85.6	2130	2140	1500	1510	71	71	35-107	0		
2-Chlorophenol	ug/kg	<85.6	2130	2140	1120	1250	53	58	36-109	10		
2-Methylnaphthalene	ug/kg	<85.6	2130	2140	1770	1620	83	76	31-135	9		
2-Methylphenol(o-Cresol)	ug/kg	<85.6	2130	2140	1060	1190	50	56	36-104	12		
2-Nitroaniline	ug/kg	<421	2130	2140	1480	1620	69	76	42-118	9		
2-Nitrophenol	ug/kg	<421	2130	2140	1080	1050	51	49	36-117	3		
3&4-Methylphenol(m&p Cresol)	ug/kg	<85.6	2130	2140	1250	1400	59	66	37-137	12		
3,3'-Dichlorobenzidine	ug/kg	<421	2130	2140	673	1080	32	50	41-116	46	M1,R1	

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QUALITY CONTROL DATA

Project: COYNE TEXTILE FACILITY 4/5

Pace Project No.: 7047482

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 287782			287783									
Parameter	Units	7047482005 Result	MS	MSD	MS	MSD	MS	MSD	% Rec	Limits	RPD	Qual
			Spike Conc.	Spike Conc.	Result	Result	% Rec	% Rec				
3-Nitroaniline	ug/kg	<421	2130	2140	988	1100	46	51	40-95	11		
4,6-Dinitro-2-methylphenol	ug/kg	<856	2130	2140	<856	935	39	44	16-104			
4-Bromophenylphenyl ether	ug/kg	<85.6	2130	2140	1730	1730	81	81	50-116	0		
4-Chloro-3-methylphenol	ug/kg	<85.6	2130	2140	1510	1400	71	66	45-118	7		
4-Chloroaniline	ug/kg	<421	2130	2140	700	685	33	32	29-88	2		
4-Chlorophenylphenyl ether	ug/kg	<85.6	2130	2140	1730	1730	81	81	48-111	0		
4-Nitroaniline	ug/kg	<421	2130	2140	1060	1300	50	61	46-110	21		
4-Nitrophenol	ug/kg	<856	2130	2140	<856	<860	12	12	26-118		M1	
Acenaphthene	ug/kg	<85.6	2130	2140	1690	1660	79	78	45-109	2		
Acenaphthylene	ug/kg	<85.6	2130	2140	1580	1520	74	71	43-107	4		
Acetophenone	ug/kg	<85.6	2130	2140	1310	1310	61	61	10-132	0		
Anthracene	ug/kg	<85.6	2130	2140	1780	1820	84	85	50-117	2		
Atrazine	ug/kg	<85.6	2130	2140	1730	1850	81	87	40-120	7		
Benzaldehyde	ug/kg	<85.6	2130	2140	882	1070	41	50	40-140		20 CL	
Benzo(a)anthracene	ug/kg	<85.6	2130	2140	1910	1950	90	91	52-116	2		
Benzo(a)pyrene	ug/kg	<85.6	2130	2140	1890	1910	89	89	56-119	1		
Benzo(b)fluoranthene	ug/kg	<85.6	2130	2140	1830	1870	86	88	45-122	2		
Benzo(g,h,i)perylene	ug/kg	<85.6	2130	2140	1700	1740	80	81	30-107	2		
Benzo(k)fluoranthene	ug/kg	<85.6	2130	2140	1940	2080	91	97	54-124	7		
Biphenyl (Diphenyl)	ug/kg	<85.6	2130	2140	1680	1640	79	76	40-120	3		
bis(2-Chloroethoxy)methane	ug/kg	<85.6	2130	2140	1280	1300	60	61	29-112	2		
bis(2-Chloroethyl) ether	ug/kg	<85.6	2130	2140	983	1050	46	49	32-116	6		
bis(2-Ethylhexyl)phthalate	ug/kg	<85.6	2130	2140	1990	2010	93	94	60-127	1		
Butylbenzylphthalate	ug/kg	<85.6	2130	2140	1820	1880	86	88	54-130	3		
Caprolactam	ug/kg	<85.6	2130	2140	1350	1410	63	66	40-120	4		
Carbazole	ug/kg	<85.6	2130	2140	1590	1580	75	74	40-120	1		
Chrysene	ug/kg	<85.6	2130	2140	1860	1900	87	89	48-121	2		
Di-n-butylphthalate	ug/kg	<85.6	2130	2140	2000	1960	94	91	53-124	2		
Di-n-octylphthalate	ug/kg	<85.6	2130	2140	2030	2190	95	102	46-141	8		
Dibenz(a,h)anthracene	ug/kg	<85.6	2130	2140	1680	1700	79	79	52-109	1		
Dibenzofuran	ug/kg	<85.6	2130	2140	1680	1670	79	78	48-112	0		
Diethylphthalate	ug/kg	<85.6	2130	2140	1730	1650	81	77	51-114	5		
Dimethylphthalate	ug/kg	<85.6	2130	2140	1540	1480	72	69	49-112	4		
Fluoranthene	ug/kg	<85.6	2130	2140	1990	1950	93	91	45-126	2		
Fluorene	ug/kg	<85.6	2130	2140	1730	1710	81	80	47-108	1		
Hexachloro-1,3-butadiene	ug/kg	<85.6	2130	2140	1730	1560	81	73	36-118	10		
Hexachlorobenzene	ug/kg	<85.6	2130	2140	1880	1850	88	86	51-110	2		
Hexachlorocyclopentadiene	ug/kg	<421	2130	2140	<422	<423	6	0	10-97		CL,M1	
Hexachloroethane	ug/kg	<85.6	2130	2140	1300	1200	61	56	34-105	7		
Indeno(1,2,3-cd)pyrene	ug/kg	<85.6	2130	2140	1600	1950	75	91	50-108	20		
Isophorone	ug/kg	<85.6	2130	2140	1320	1310	62	61	14-129	1		
N-Nitroso-di-n-propylamine	ug/kg	<85.6	2130	2140	1220	1240	57	58	33-109	2		
N-Nitrosodiphenylamine	ug/kg	<85.6	2130	2140	1630	1650	77	77	39-90	1		
Naphthalene	ug/kg	<85.6	2130	2140	1590	1520	74	71	18-142	4		
Nitrobenzene	ug/kg	<85.6	2130	2140	1280	1300	60	61	36-119	2		
Pentachlorophenol	ug/kg	<856	2130	2140	<856	<860	14	14	22-115		M1	

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QUALITY CONTROL DATA

Project: COYNE TEXTILE FACILITY 4/5

Pace Project No.: 7047482

Parameter	Units	7047482005		287782		287783		% Rec	% Rec	Limits	RPD	Qual
		Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result						
Phenanthrene	ug/kg	<85.6	2130	2140	1790	1850	84	86	47-124	3		
Phenol	ug/kg	<85.6	2130	2140	1090	1280	51	60	38-104	16		
Pyrene	ug/kg	<85.6	2130	2140	1840	1910	86	90	49-132	4		
1,2-Dichlorobenzene-d4 (S)	%						51	50	20-130			
2,4,6-Tribromophenol (S)	%						43	50	19-122			
2-Chlorophenol-d4 (S)	%						52	55	20-130			
2-Fluorobiphenyl (S)	%						74	70	30-115			
2-Fluorophenol (S)	%						51	54	25-121			
Nitrobenzene-d5 (S)	%						58	56	23-120			
p-Terphenyl-d14 (S)	%						85	85	18-137			
Phenol-d5 (S)	%						48	52	24-113			

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QUALITY CONTROL DATA

Project: COYNE TEXTILE FACILITY 4/5

Pace Project No.: 7047482

QC Batch: 62460 Analysis Method: ASTM D2216-92M
QC Batch Method: ASTM D2216-92M Analysis Description: Dry Weight/Percent Moisture
Associated Lab Samples: 7047482001, 7047482002, 7047482003, 7047482004, 7047482005

SAMPLE DUPLICATE: 286838

Parameter	Units	7047482005 Result	Dup Result	RPD	Qualifiers
Percent Moisture	%	22.1	23.3	5	

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QUALITY CONTROL DATA

Project: COYNE TEXTILE FACILITY 4/5

Pace Project No.: 7047482

QC Batch:	62634	Analysis Method:	ASTM D2216-92M
QC Batch Method:	ASTM D2216-92M	Analysis Description:	Dry Weight/Percent Moisture
Associated Lab Samples:	7047482006, 7047482007, 7047482008, 7047482009, 7047482010, 7047482011		

SAMPLE DUPLICATE: 287636

Parameter	Units	7047482006 Result	Dup Result	RPD	Qualifiers
Percent Moisture	%	15.6	15.4	1	

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QUALIFIERS

Project: COYNE TEXTILE FACILITY 4/5

Pace Project No.: 7047482

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

SAMPLE QUALIFIERS

Sample: 7047482008

[1] Method (8082A): Surrogate recovery below acceptance limits. Re-extraction confirms low recovery.

ANALYTE QUALIFIERS

1j Analyte detected in method blank. Concentration in all samples greater than 10x detected amount.

2j Re-extract/re-analysis confirms low surrogate recovery.

3j Surrogate recovery high due to unresolved interferences.

CH The continuing calibration for this compound is outside of Pace Analytical acceptance limits. The results may be biased high.

CL The continuing calibration for this compound is outside of Pace Analytical acceptance limits. The results may be biased low.

D6 The precision between the sample and sample duplicate exceeded laboratory control limits.

E Analyte concentration exceeded the calibration range. The reported result is estimated.

IH This analyte exceeded secondary source verification criteria high for the initial calibration. The reported results should be considered an estimated value.

L1 Analyte recovery in the laboratory control sample (LCS) was above QC limits. Results for this analyte in associated samples may be biased high.

L2 Analyte recovery in the laboratory control sample (LCS) was below QC limits. Results for this analyte in associated samples may be biased low.

M0 Matrix spike recovery and/or matrix spike duplicate recovery was outside laboratory control limits.

M1 Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

N3 Accreditation is not offered by the relevant laboratory accrediting body for this parameter.

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QUALIFIERS

Project: COYNE TEXTILE FACILITY 4/5
Pace Project No.: 7047482

ANALYTE QUALIFIERS

R1 RPD value was outside control limits.
S0 Surrogate recovery outside laboratory control limits.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: COYNE TEXTILE FACILITY 4/5
Pace Project No.: 7047482

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
7047482008	SOIL-112	EPA 3546	62432	EPA 8081B	62948
7047482001	SOIL-DUP 101	EPA 3546	63169	EPA 8082A	63179
7047482002	SOIL-108	EPA 3546	63169	EPA 8082A	63179
7047482003	SOIL-110	EPA 3546	63169	EPA 8082A	63179
7047482004	SOIL-113	EPA 3546	63683	EPA 8082A	63849
7047482005	SOIL-100	EPA 3546	63960	EPA 8082A	64060
7047482006	SOIL-109	EPA 3546	63169	EPA 8082A	63179
7047482007	SOIL-111	EPA 3546	63169	EPA 8082A	63179
7047482008	SOIL-112	EPA 3546	63683	EPA 8082A	63849
7047482009	SOIL-115	EPA 3546	63169	EPA 8082A	63179
7047482010	SOIL-114	EPA 3546	63169	EPA 8082A	63179
7047482011	SOIL-DUP100	EPA 3546	63169	EPA 8082A	63179
7047482001	SOIL-DUP 101	EPA 3050B	62553	EPA 6010C	62611
7047482002	SOIL-108	EPA 3050B	62553	EPA 6010C	62611
7047482003	SOIL-110	EPA 3050B	62553	EPA 6010C	62611
7047482004	SOIL-113	EPA 3050B	62553	EPA 6010C	62611
7047482005	SOIL-100	EPA 3050B	62553	EPA 6010C	62611
7047482006	SOIL-109	EPA 3050B	62553	EPA 6010C	62611
7047482007	SOIL-111	EPA 3050B	62553	EPA 6010C	62611
7047482009	SOIL-115	EPA 3050B	62553	EPA 6010C	62611
7047482010	SOIL-114	EPA 3050B	62553	EPA 6010C	62611
7047482011	SOIL-DUP100	EPA 3050B	62553	EPA 6010C	62611
7047482001	SOIL-DUP 101	EPA 7471B	62581	EPA 7471B	62613
7047482002	SOIL-108	EPA 7471B	62581	EPA 7471B	62613
7047482003	SOIL-110	EPA 7471B	62581	EPA 7471B	62613
7047482004	SOIL-113	EPA 7471B	62581	EPA 7471B	62613
7047482005	SOIL-100	EPA 7471B	62581	EPA 7471B	62613
7047482006	SOIL-109	EPA 7471B	62581	EPA 7471B	62613
7047482007	SOIL-111	EPA 7471B	62581	EPA 7471B	62613
7047482009	SOIL-115	EPA 7471B	62581	EPA 7471B	62613
7047482010	SOIL-114	EPA 7471B	62581	EPA 7471B	62613
7047482011	SOIL-DUP100	EPA 7471B	62581	EPA 7471B	62613
7047482001	SOIL-DUP 101	EPA 3545A	62654	EPA 8270D	63081
7047482002	SOIL-108	EPA 3545A	62654	EPA 8270D	63081
7047482003	SOIL-110	EPA 3545A	62654	EPA 8270D	63081
7047482004	SOIL-113	EPA 3545A	62654	EPA 8270D	63081
7047482005	SOIL-100	EPA 3545A	62654	EPA 8270D	63081
7047482006	SOIL-109	EPA 3545A	62654	EPA 8270D	63081
7047482007	SOIL-111	EPA 3545A	62654	EPA 8270D	63081
7047482008	SOIL-112	EPA 3545A	62654	EPA 8270D	63081
7047482009	SOIL-115	EPA 3545A	62654	EPA 8270D	63081
7047482010	SOIL-114	EPA 3545A	62654	EPA 8270D	63081
7047482011	SOIL-DUP100	EPA 3545A	62654	EPA 8270D	63081
7047482001	SOIL-DUP 101	EPA 5035A-L	63550	EPA 8260C	63604

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: COYNE TEXTILE FACILITY 4/5

Pace Project No.: 7047482

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
7047482002	SOIL-108	EPA 5035A-L	63550	EPA 8260C	63604
7047482004	SOIL-113	EPA 5035A-L	63550	EPA 8260C	63604
7047482005	SOIL-100	EPA 5035A-L	63495	EPA 8260C	63549
7047482006	SOIL-109	EPA 5035A-L	63550	EPA 8260C	63604
7047482007	SOIL-111	EPA 5035A-L	63550	EPA 8260C	63604
7047482008	SOIL-112	EPA 5035A-L	63550	EPA 8260C	63604
7047482010	SOIL-114	EPA 5035A-L	63550	EPA 8260C	63604
7047482011	SOIL-DUP100	EPA 5035A-L	63550	EPA 8260C	63604
7047482003	SOIL-110	EPA 5035A-H/5030C	63412	EPA 8260C	63435
7047482009	SOIL-115	EPA 5035A-H/5030C	63412	EPA 8260C	63435
7047482001	SOIL-DUP 101	ASTM D2216-92M	62460		
7047482002	SOIL-108	ASTM D2216-92M	62460		
7047482003	SOIL-110	ASTM D2216-92M	62460		
7047482004	SOIL-113	ASTM D2216-92M	62460		
7047482005	SOIL-100	ASTM D2216-92M	62460		
7047482006	SOIL-109	ASTM D2216-92M	62634		
7047482007	SOIL-111	ASTM D2216-92M	62634		
7047482008	SOIL-112	ASTM D2216-92M	62634		
7047482009	SOIL-115	ASTM D2216-92M	62634		
7047482010	SOIL-114	ASTM D2216-92M	62634		
7047482011	SOIL-DUP100	ASTM D2216-92M	62634		

REPORT OF LABORATORY ANALYSIS

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WO# : 7047482



7047482

CHAIN-OF-CUSTODY / Analytical Request Document
 The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Section C
 Invoice Information:

Company: **CHA** Report To: _____
 Address: **300 S. STATE STREET SUIT 600** Copy To: _____
 Syracuse NY Purchase Order No.: _____
 Email To: **kehmann@cha.com** Project Name: **Coyle Textile Facility**
 Phone: **(315) 257-7254** Project Reference: _____
 Requested Due Date/TAT: **5 day** Project Profile #: **7173**

REGULATORY AGENCY: _____
 NPDES GROUND WATER DRINKING WATER
 UST RCRA OTHER

Site Location: _____ STATE: **NY**

Page: _____ of _____
2203564

ITEM #	Section D Required Client Information	Matrix Codes MATRIX / CODE	COLLECTED		SAMPLE TYPE (G=GRAB C=COMP)	MATRIX CODE (see valid codes to left)	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
			COMPOSITE START	COMPOSITE END/GRAB									
1	SOIL - DUP 101	SL		4/15/18 1430	8 2	SL	_____	4/15/18	1600	_____	4/15/18	1600	Y
2	SOIL - 108	SL		1420	8 2	SL	_____	4/15/18	1700	_____	4/16/18	9:40	Y
3	SOIL - 110	SL		1530	8 2	SL	_____	4/15/18	1700	_____	4/16/18	9:40	Y
4	SOIL - 113	SL		1140	8 2	SL	_____	4/15/18	1700	_____	4/16/18	9:40	Y
5	SOIL - MS100	SL		1150	8 2	SL	_____	4/15/18	1700	_____	4/16/18	9:40	Y
6	SOIL - MSP 100	SL		1200	8 2	SL	_____	4/15/18	1700	_____	4/16/18	9:40	Y
7	SOIL - 109	SL		1410	8 2	SL	_____	4/15/18	1700	_____	4/16/18	9:40	Y
8	SOIL - 111	SL		1250	8 2	SL	_____	4/15/18	1700	_____	4/16/18	9:40	Y
9	SOIL - 112	SL		1340	8 2	SL	_____	4/15/18	1700	_____	4/16/18	9:40	Y
10	SOIL - 115	SL		945	8 2	SL	_____	4/15/18	1700	_____	4/16/18	9:40	Y
11	SOIL - 114	SL		1100	8 2	SL	_____	4/15/18	1700	_____	4/16/18	9:40	Y
12	SOIL - DUP 100	SL		1110	8 2	SL	_____	4/15/18	1700	_____	4/16/18	9:40	Y

Requested Analysis Filtered (Y/N)

Analysis Test ↑ ↓ Residual Chlorine (Y/N)

Preservatives: H₂SO₄, HNO₃, HCl, NaOH, Na₂S₂O₃, Methanol, Other

Temp in °C Received on Sealed Custody Samples Intact

DATE SIGNED (MM/DD/YY): _____

PRINT NAME OF SAMPLER: **Karyn Emman**

SIGNATURE OF SAMPLER: _____

ORIGINAL

*Important Note: By signing this form you are accepting Pace's NET 30 day payment terms and agreeing to late charges of 1.5% per month for any invoices not paid within 30 days.

Sample Condition Upon Receipt

Pace Analytical
LEAD ANALYSIS

Project W0#: 7047482

Client Name: CHA

PM: JSA Due Date: 04/13/18

CLIENT: CHA

Courier: Fed Ex UPS USPS Client Commercial Pace Other

Tracking #: 4099 9471 1562

Custody Seal on Cooler/Box Present: Yes No

Temperature Blank Present: Yes No
Type of Ice: Wet Blue None

Packing Material: Bubble Wrap Bubble Bags Ziploc None Other

Thermometer Used: TH091 Correction Factor: 0.0
Cooler Temperature (C): 5.6 Cooler Temperature Corrected (C): 5.6

Temp should be above freezing to 6.0°C

USDA Regulated Soil (N/A, water sample)

Did samples originate in a quarantine zone within the United States: AL, AR, CA, FL, GA, ID, LA, MS, NC, NM, NY, OK, OR, SC, TN, TX, or VA (check map)? YES NO

Did samples originate from a foreign source (internationally, including Hawaii and Puerto Rico)? Yes No

If Yes to either question, fill out a Regulated Soil Checklist (F-LI-C-010) and include with SCUR/COC paperwork.

Date and Initials of person examining contents: KB 4/6/18

1.	Chain of Custody Present:	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
2.	Chain of Custody Filled Out:	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
3.	Chain of Custody Relinquished:	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
4.	Sampler Name & Signature on COC:	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No <input type="checkbox"/> N/A
5.	Samples Arrived within Hold Time:	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
6.	Short Hold Time Analysis (<72hr):	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
7.	Rush Turn Around Time Requested:	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
8.	Sufficient Volume: (Triple volume provided for MS/MSD)	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
9.	Correct Containers Used:	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
10.	Containers Intact:	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
11.	Filtered volume received for Dissolved tests:	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No <input type="checkbox"/> N/A
12.	Sample Labels match COC:	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
13.	All containers needing preservation have been checked	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No <input type="checkbox"/> N/A
13.	Initial when completed:	<input type="checkbox"/> HNO ₃ <input type="checkbox"/> H ₂ SO ₄ <input type="checkbox"/> NaOH <input type="checkbox"/> HCl	Sample #
14.	Samples checked for dechlorination:	<input type="checkbox"/> Yes	<input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
14.	Residual chlorine strips Lot #		Positive for Res. Chlorine? Y N
15.	Headspace in VOA Vials (>6mm):	<input type="checkbox"/> Yes	<input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
16.	Trip Blank Present:	<input type="checkbox"/> Yes	<input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
	Trip Blank Custody Seals Present	<input type="checkbox"/> Yes	<input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
	Pace Trip Blank Lot # (if applicable):		

Comments/ Resolution:

Person Contacted:

Client Notification/ Resolution:

Field Data Required? Y / N

Date/Time:

April 23, 2018

Samantha Miller
CHA Companies
300 South Stae Street
Syracuse, NY 13202

RE: Project: COYNE TEXTILE FACILITY
Pace Project No.: 7047606

Dear Samantha Miller:

Enclosed are the analytical results for sample(s) received by the laboratory on April 07, 2018. The results relate only to the samples included in this report. Results reported herein conform to the most current, applicable TNI/NELAC standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,



James Murphy
james.murphy@pacelabs.com
(518)346-4592
Project Manager

Enclosures

cc: Karyn Ehmann, CHA Companies



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: COYNE TEXTILE FACILITY

Pace Project No.: 7047606

Long Island Certification IDs

575 Broad Hollow Rd, Melville, NY 11747

New York Certification #: 10478 Primary Accrediting Body

New Jersey Certification #: NY158

Pennsylvania Certification #: 68-00350

Connecticut Certification #: PH-0435

Maryland Certification #: 208

Rhode Island Certification #: LAO00340

Massachusetts Certification #: M-NY026

New Hampshire Certification #: 2987

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: COYNE TEXTILE FACILITY

Pace Project No.: 7047606

Date: April 23, 2018

SOIL - 123 (Lab ID: 7047606001)

- Method (8081B): The breakdown for DDT exceeded acceptance limits following run due to sample matrix.

SOIL - 100 (Lab ID: 7047606006)

- Method (8081B): The breakdown for DDT exceeded acceptance limits following run due to sample matrix.

SOIL - 104 (Lab ID: 7047606010)

- Method 8270D: The internal standard response exceeded the lower acceptance limits and confirmed by reanalysis. Results may be biased high.

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: COYNE TEXTILE FACILITY

Pace Project No.: 7047606

Method: EPA 8081B

Description: 8081 GCS Pesticides

Client: CHA Companies

Date: April 23, 2018

General Information:

3 samples were analyzed for EPA 8081B. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:

The samples were prepared in accordance with EPA 3546 with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):

All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:

All criteria were within method requirements with any exceptions noted below.

QC Batch: 63238

CL: The continuing calibration for this compound is outside of Pace Analytical acceptance limits. The results may be biased low.

- LCS (Lab ID: 290335)
 - 4,4'-DDT
 - Methoxychlor
- MSD (Lab ID: 290567)
 - 4,4'-DDT
 - Methoxychlor

QC Batch: 63682

CH: The continuing calibration for this compound is outside of Pace Analytical acceptance limits. The results may be biased high.

- BLANK (Lab ID: 292416)
 - Decachlorobiphenyl (S)
- LCS (Lab ID: 292417)
 - 4,4'-DDD
 - Decachlorobiphenyl (S)
- LCS (Lab ID: 292418)
 - Decachlorobiphenyl (S)
- SOIL - 106 (Lab ID: 7047606009)
 - Decachlorobiphenyl (S)

Surrogates:

All surrogates were within QC limits with any exceptions noted below.

QC Batch: 63238

S0: Surrogate recovery outside laboratory control limits.

- MSD (Lab ID: 290567)
 - Tetrachloro-m-xylene (S)

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: COYNE TEXTILE FACILITY

Pace Project No.: 7047606

Method: EPA 8081B

Description: 8081 GCS Pesticides

Client: CHA Companies

Date: April 23, 2018

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

QC Batch: 63238

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 7047847002

M1: Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

- MSD (Lab ID: 290567)
 - 4,4'-DDE
 - 4,4'-DDT
 - Aldrin
 - Dieldrin
 - Endosulfan I
 - Endosulfan II
 - Endosulfan sulfate
 - Endrin aldehyde
 - Endrin ketone
 - Heptachlor
 - Heptachlor epoxide
 - Methoxychlor
 - alpha-BHC
 - alpha-Chlordane
 - delta-BHC
 - gamma-BHC (Lindane)
 - gamma-Chlordane

Additional Comments:

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: COYNE TEXTILE FACILITY

Pace Project No.: 7047606

Method: EPA 8082A

Description: 8082 GCS PCB

Client: CHA Companies

Date: April 23, 2018

General Information:

10 samples were analyzed for EPA 8082A. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:

The samples were prepared in accordance with EPA 3546 with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):

All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:

All criteria were within method requirements with any exceptions noted below.

Surrogates:

All surrogates were within QC limits with any exceptions noted below.

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Additional Comments:

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: COYNE TEXTILE FACILITY

Pace Project No.: 7047606

Method: EPA 6010C

Description: 6010 MET ICP

Client: CHA Companies

Date: April 23, 2018

General Information:

7 samples were analyzed for EPA 6010C. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:

The samples were prepared in accordance with EPA 3050B with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):

All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:

All criteria were within method requirements with any exceptions noted below.

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

QC Batch: 62706

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 7047606003

M1: Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

- MS (Lab ID: 287924)
 - Aluminum
 - Copper
 - Iron
 - Magnesium
 - Manganese

Duplicate Sample:

All duplicate sample results were within method acceptance criteria with any exceptions noted below.

QC Batch: 62706

D6: The precision between the sample and sample duplicate exceeded laboratory control limits.

- DUP (Lab ID: 287923)
 - Copper

Additional Comments:

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PROJECT NARRATIVE

Project: COYNE TEXTILE FACILITY

Pace Project No.: 7047606

Method: EPA 8270D

Description: 8270 MSSV

Client: CHA Companies

Date: April 23, 2018

General Information:

10 samples were analyzed for EPA 8270D. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:

The samples were prepared in accordance with EPA 3545A with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):

All criteria were within method requirements with any exceptions noted below.

QC Batch: 63093

IC: The initial calibration for this compound was outside of method control limits. The result is estimated.

- BLANK (Lab ID: 289880)
 - Benzaldehyde
- LCS (Lab ID: 289881)
 - Benzaldehyde
- MS (Lab ID: 289882)
 - Benzaldehyde
- MSD (Lab ID: 289883)
 - Benzaldehyde
- SOIL - 100 (Lab ID: 7047606006)
 - Benzaldehyde
- SOIL - 102 (Lab ID: 7047606007)
 - Benzaldehyde
- SOIL - 103 (Lab ID: 7047606003)
 - Benzaldehyde
- SOIL - 105 (Lab ID: 7047606004)
 - Benzaldehyde
- SOIL - 122 (Lab ID: 7047606002)
 - Benzaldehyde
- SOIL - 123 (Lab ID: 7047606001)
 - Benzaldehyde

IL: This analyte exceeded secondary source verification criteria low for the initial calibration. The reported results should be considered an estimated value.

- BLANK (Lab ID: 289880)
 - Benzaldehyde
- LCS (Lab ID: 289881)
 - Benzaldehyde
- MS (Lab ID: 289882)
 - Benzaldehyde
- MSD (Lab ID: 289883)
 - Benzaldehyde

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: COYNE TEXTILE FACILITY

Pace Project No.: 7047606

Method: EPA 8270D

Description: 8270 MSSV

Client: CHA Companies

Date: April 23, 2018

QC Batch: 63093

IL: This analyte exceeded secondary source verification criteria low for the initial calibration. The reported results should be considered an estimated value.

- SOIL - 100 (Lab ID: 7047606006)
 - Benzaldehyde
- SOIL - 102 (Lab ID: 7047606007)
 - Benzaldehyde
- SOIL - 103 (Lab ID: 7047606003)
 - Benzaldehyde
- SOIL - 105 (Lab ID: 7047606004)
 - Benzaldehyde
- SOIL - 122 (Lab ID: 7047606002)
 - Benzaldehyde
- SOIL - 123 (Lab ID: 7047606001)
 - Benzaldehyde

QC Batch: 63265

IC: The initial calibration for this compound was outside of method control limits. The result is estimated.

- BLANK (Lab ID: 290538)
 - Benzaldehyde
- LCS (Lab ID: 290539)
 - Benzaldehyde
- MS (Lab ID: 290591)
 - Benzaldehyde
- MSD (Lab ID: 290592)
 - Benzaldehyde
- SOIL - 106 (Lab ID: 7047606009)
 - Benzaldehyde

IL: This analyte exceeded secondary source verification criteria low for the initial calibration. The reported results should be considered an estimated value.

- BLANK (Lab ID: 290538)
 - Benzaldehyde
- LCS (Lab ID: 290539)
 - Benzaldehyde
- MS (Lab ID: 290591)
 - Benzaldehyde
- MSD (Lab ID: 290592)
 - Benzaldehyde
- SOIL - 106 (Lab ID: 7047606009)
 - Benzaldehyde

Continuing Calibration:

All criteria were within method requirements with any exceptions noted below.

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: COYNE TEXTILE FACILITY

Pace Project No.: 7047606

Method: EPA 8270D

Description: 8270 MSSV

Client: CHA Companies

Date: April 23, 2018

QC Batch: 63093

CL: The continuing calibration for this compound is outside of Pace Analytical acceptance limits. The results may be biased low.

- BLANK (Lab ID: 289880)
 - 4-Nitrophenol
 - Hexachlorocyclopentadiene
 - Pentachlorophenol
- LCS (Lab ID: 289881)
 - 4-Nitrophenol
 - Hexachlorocyclopentadiene
 - Pentachlorophenol
- MS (Lab ID: 289882)
 - 4-Nitrophenol
 - Hexachlorocyclopentadiene
 - Pentachlorophenol
- MSD (Lab ID: 289883)
 - 4-Nitrophenol
 - Hexachlorocyclopentadiene
 - Pentachlorophenol
- SOIL - 100 (Lab ID: 7047606006)
 - 4-Nitrophenol
 - Hexachlorocyclopentadiene
 - Pentachlorophenol
- SOIL - 102 (Lab ID: 7047606007)
 - 4-Nitrophenol
 - Hexachlorocyclopentadiene
 - Pentachlorophenol
- SOIL - 103 (Lab ID: 7047606003)
 - 4-Nitrophenol
 - Hexachlorocyclopentadiene
 - Pentachlorophenol
- SOIL - 105 (Lab ID: 7047606004)
 - 4-Nitrophenol
 - Hexachlorocyclopentadiene
 - Pentachlorophenol
- SOIL - 122 (Lab ID: 7047606002)
 - 4-Nitrophenol
 - Hexachlorocyclopentadiene
 - Pentachlorophenol
- SOIL - 123 (Lab ID: 7047606001)
 - 4-Nitrophenol
 - Hexachlorocyclopentadiene
 - Pentachlorophenol
- SOIL - MS 101 (Lab ID: 7047606008)
 - 2,2'-Oxybis(1-chloropropane)
 - Hexachlorocyclopentadiene
 - bis(2-Chloroethyl) ether

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: COYNE TEXTILE FACILITY

Pace Project No.: 7047606

Method: EPA 8270D

Description: 8270 MSSV

Client: CHA Companies

Date: April 23, 2018

QC Batch: 63265

CL: The continuing calibration for this compound is outside of Pace Analytical acceptance limits. The results may be biased low.

- BLANK (Lab ID: 290538)
 - Benzaldehyde
 - Hexachlorocyclopentadiene
- LCS (Lab ID: 290539)
 - Benzaldehyde
 - Hexachlorocyclopentadiene
- MS (Lab ID: 290591)
 - Benzaldehyde
 - Hexachlorocyclopentadiene
- MSD (Lab ID: 290592)
 - Benzaldehyde
 - Hexachlorocyclopentadiene
- SOIL - 104 (Lab ID: 7047606010)
 - Benzaldehyde
 - Hexachlorocyclopentadiene
- SOIL - 106 (Lab ID: 7047606009)
 - Benzaldehyde
 - Hexachlorocyclopentadiene

QC Batch: 63858

CL: The continuing calibration for this compound is outside of Pace Analytical acceptance limits. The results may be biased low.

- BLANK (Lab ID: 293136)
 - 2,2'-Oxybis(1-chloropropane)
 - 2-Nitroaniline
 - 4-Nitrophenol
 - Benzaldehyde
 - Hexachlorocyclopentadiene
 - N-Nitroso-di-n-propylamine
 - bis(2-Chloroethyl) ether
- LCS (Lab ID: 293137)
 - 2,2'-Oxybis(1-chloropropane)
 - 2-Nitroaniline
 - 4-Nitrophenol
 - Benzaldehyde
 - Hexachlorocyclopentadiene
 - N-Nitroso-di-n-propylamine
 - bis(2-Chloroethyl) ether
- MS (Lab ID: 293149)
 - 2,2'-Oxybis(1-chloropropane)
 - 2-Nitroaniline
 - 4-Nitrophenol
 - Benzaldehyde
 - Hexachlorocyclopentadiene
 - N-Nitroso-di-n-propylamine

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: COYNE TEXTILE FACILITY

Pace Project No.: 7047606

Method: EPA 8270D

Description: 8270 MSSV

Client: CHA Companies

Date: April 23, 2018

QC Batch: 63858

CL: The continuing calibration for this compound is outside of Pace Analytical acceptance limits. The results may be biased low.

- bis(2-Chloroethyl) ether
- MSD (Lab ID: 293150)
 - 2,2'-Oxybis(1-chloropropane)
 - 2-Nitroaniline
 - 4-Nitrophenol
 - Benzaldehyde
 - Hexachlorocyclopentadiene
 - N-Nitroso-di-n-propylamine
- bis(2-Chloroethyl) ether
- SOIL - MSD - 101 (Lab ID: 7047606005)
 - 2,2'-Oxybis(1-chloropropane)
 - 2-Nitroaniline
 - 4-Nitrophenol
 - Benzaldehyde
 - Hexachlorocyclopentadiene
 - N-Nitroso-di-n-propylamine
- bis(2-Chloroethyl) ether

Internal Standards:

All internal standards were within QC limits with any exceptions noted below.

Surrogates:

All surrogates were within QC limits with any exceptions noted below.

QC Batch: 63093

S0: Surrogate recovery outside laboratory control limits.

- SOIL - 100 (Lab ID: 7047606006)
 - Nitrobenzene-d5 (S)
- SOIL - MS 101 (Lab ID: 7047606008)
 - Nitrobenzene-d5 (S)

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

QC Batch: 63265

L2: Analyte recovery in the laboratory control sample (LCS) was below QC limits. Results for this analyte in associated samples may be biased low.

- LCS (Lab ID: 290539)
 - Benzaldehyde

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: COYNE TEXTILE FACILITY

Pace Project No.: 7047606

Method: EPA 8270D

Description: 8270 MSSV

Client: CHA Companies

Date: April 23, 2018

QC Batch: 63858

L1: Analyte recovery in the laboratory control sample (LCS) was above QC limits. Results for this analyte in associated samples may be biased high.

- LCS (Lab ID: 293137)
 - Atrazine

L2: Analyte recovery in the laboratory control sample (LCS) was below QC limits. Results for this analyte in associated samples may be biased low.

- LCS (Lab ID: 293137)
 - Benzaldehyde

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

QC Batch: 63093

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 7047279001

M1: Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

- MS (Lab ID: 289882)
 - 3,3'-Dichlorobenzidine
 - Benzo(a)anthracene
 - Benzo(a)pyrene
 - Benzo(b)fluoranthene
 - Benzo(g,h,i)perylene
 - Chrysene
 - Fluoranthene
 - Indeno(1,2,3-cd)pyrene
 - Pentachlorophenol
 - Phenanthrene
 - Pyrene
- MSD (Lab ID: 289883)
 - 3,3'-Dichlorobenzidine
 - Benzo(g,h,i)perylene
 - Indeno(1,2,3-cd)pyrene
 - Pentachlorophenol

R1: RPD value was outside control limits.

- MSD (Lab ID: 289883)
 - 4-Nitrophenol
 - Benzo(b)fluoranthene
 - Chrysene
 - Fluoranthene
 - Phenol
 - Pyrene

QC Batch: 63265

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 7047466001

M1: Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

- MS (Lab ID: 290591)

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PROJECT NARRATIVE

Project: COYNE TEXTILE FACILITY

Pace Project No.: 7047606

Method: EPA 8270D

Description: 8270 MSSV

Client: CHA Companies

Date: April 23, 2018

QC Batch: 63265

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 7047466001

M1: Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

- 2,4-Dimethylphenol
- 3&4-Methylphenol(m&p Cresol)
- 3,3'-Dichlorobenzidine
- Benzo(g,h,i)perylene
- MSD (Lab ID: 290592)
 - 2,4-Dimethylphenol
 - 2-Methylphenol(o-Cresol)
 - 3,3'-Dichlorobenzidine
 - Benzo(g,h,i)perylene
 - Indeno(1,2,3-cd)pyrene

R1: RPD value was outside control limits.

- MSD (Lab ID: 290592)
 - 4-Nitrophenol

Additional Comments:

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PROJECT NARRATIVE

Project: COYNE TEXTILE FACILITY

Pace Project No.: 7047606

Method: EPA 8260C

Description: 8260C MSV 5035A-L Low Level

Client: CHA Companies

Date: April 23, 2018

General Information:

8 samples were analyzed for EPA 8260C. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:

The samples were prepared in accordance with EPA 5035A-L with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):

All criteria were within method requirements with any exceptions noted below.

QC Batch: 63750

IH: This analyte exceeded secondary source verification criteria high for the initial calibration. The reported results should be considered an estimated value.

- DUP (Lab ID: 293101)
 - Acetone
- LCS (Lab ID: 292616)
 - Acetone
- MS (Lab ID: 293100)
 - Acetone
- SOIL - 100 (Lab ID: 7047606006)
 - Acetone
- SOIL - 103 (Lab ID: 7047606003)
 - Acetone
- SOIL - 106 (Lab ID: 7047606009)
 - Acetone
- SOIL - 122 (Lab ID: 7047606002)
 - Acetone
- SOIL - 123 (Lab ID: 7047606001)
 - Acetone
- SOIL - MS 101 (Lab ID: 7047606008)
 - Acetone
- SOIL - MSD - 101 (Lab ID: 7047606005)
 - Acetone

Continuing Calibration:

All criteria were within method requirements with any exceptions noted below.

QC Batch: 63750

CH: The continuing calibration for this compound is outside of Pace Analytical acceptance limits. The results may be biased high.

- DUP (Lab ID: 293101)
 - Toluene
- LCS (Lab ID: 292616)

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PROJECT NARRATIVE

Project: COYNE TEXTILE FACILITY

Pace Project No.: 7047606

Method: EPA 8260C

Description: 8260C MSV 5035A-L Low Level

Client: CHA Companies

Date: April 23, 2018

QC Batch: 63750

CH: The continuing calibration for this compound is outside of Pace Analytical acceptance limits. The results may be biased high.

- Bromomethane
- Methylene Chloride
- Toluene
- MS (Lab ID: 293100)
 - Bromomethane
 - Methylene Chloride
 - Toluene
- SOIL - 100 (Lab ID: 7047606006)
 - Toluene
- SOIL - 103 (Lab ID: 7047606003)
 - Toluene
- SOIL - 105 (Lab ID: 7047606004)
 - Toluene
- SOIL - 106 (Lab ID: 7047606009)
 - Toluene
- SOIL - 123 (Lab ID: 7047606001)
 - Toluene
- SOIL - MS 101 (Lab ID: 7047606008)
 - Toluene
- SOIL - MSD - 101 (Lab ID: 7047606005)
 - Toluene

CL: The continuing calibration for this compound is outside of Pace Analytical acceptance limits. The results may be biased low.

- BLANK (Lab ID: 292615)
 - Acetone
 - Carbon tetrachloride
 - Dichlorodifluoromethane
- DUP (Lab ID: 293101)
 - Acetone
 - Carbon tetrachloride
 - Dichlorodifluoromethane
- LCS (Lab ID: 292616)
 - Acetone
 - Carbon tetrachloride
 - Dichlorodifluoromethane
- MS (Lab ID: 293100)
 - Acetone
 - Carbon tetrachloride
 - Dichlorodifluoromethane
- SOIL - 100 (Lab ID: 7047606006)
 - Acetone
 - Carbon tetrachloride
 - Dichlorodifluoromethane
- SOIL - 103 (Lab ID: 7047606003)
 - Acetone

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PROJECT NARRATIVE

Project: COYNE TEXTILE FACILITY

Pace Project No.: 7047606

Method: EPA 8260C

Description: 8260C MSV 5035A-L Low Level

Client: CHA Companies

Date: April 23, 2018

QC Batch: 63750

CL: The continuing calibration for this compound is outside of Pace Analytical acceptance limits. The results may be biased low.

- Carbon tetrachloride
- Dichlorodifluoromethane
- SOIL - 105 (Lab ID: 7047606004)
 - Acetone
 - Carbon tetrachloride
 - Dichlorodifluoromethane
- SOIL - 106 (Lab ID: 7047606009)
 - Acetone
 - Carbon tetrachloride
 - Dichlorodifluoromethane
- SOIL - 122 (Lab ID: 7047606002)
 - Acetone
 - Carbon tetrachloride
 - Dichlorodifluoromethane
- SOIL - 123 (Lab ID: 7047606001)
 - Acetone
 - Carbon tetrachloride
 - Dichlorodifluoromethane
- SOIL - MS 101 (Lab ID: 7047606008)
 - Acetone
 - Carbon tetrachloride
 - Dichlorodifluoromethane
- SOIL - MSD - 101 (Lab ID: 7047606005)
 - Acetone
 - Carbon tetrachloride
 - Dichlorodifluoromethane

Internal Standards:

All internal standards were within QC limits with any exceptions noted below.

Surrogates:

All surrogates were within QC limits with any exceptions noted below.

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

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PROJECT NARRATIVE

Project: COYNE TEXTILE FACILITY

Pace Project No.: 7047606

Method: EPA 8260C

Description: 8260C MSV 5035A-L Low Level

Client: CHA Companies

Date: April 23, 2018

QC Batch: 63750

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 7047606002

M1: Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

- MS (Lab ID: 293100)
 - 1,2,4-Trichlorobenzene
 - Acetone
 - Carbon tetrachloride

Duplicate Sample:

All duplicate sample results were within method acceptance criteria with any exceptions noted below.

QC Batch: 63750

D6: The precision between the sample and sample duplicate exceeded laboratory control limits.

- DUP (Lab ID: 293101)
 - Ethylbenzene
 - Toluene

Additional Comments:

Analyte Comments:

QC Batch: 63750

E: Analyte concentration exceeded the calibration range. The reported result is estimated.

- SOIL - MS 101 (Lab ID: 7047606008)
 - Acetone

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PROJECT NARRATIVE

Project: COYNE TEXTILE FACILITY
Pace Project No.: 7047606

Method: EPA 8260C
Description: 8260 MSV 5035A-H Med Level
Client: CHA Companies
Date: April 23, 2018

General Information:

2 samples were analyzed for EPA 8260C. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:

The samples were prepared in accordance with EPA 5035A-H/5030C with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):

All criteria were within method requirements with any exceptions noted below.

QC Batch: 63412

IH: This analyte exceeded secondary source verification criteria high for the initial calibration. The reported results should be considered an estimated value.

- DUP (Lab ID: 291198)
 - 2-Butanone (MEK)
- LCS (Lab ID: 291196)
 - 2-Butanone (MEK)
- MS (Lab ID: 291197)
 - 2-Butanone (MEK)
- SOIL - 104 (Lab ID: 7047606010)
 - Acetone

Continuing Calibration:

All criteria were within method requirements with any exceptions noted below.

QC Batch: 63412

CH: The continuing calibration for this compound is outside of Pace Analytical acceptance limits. The results may be biased high.

- DUP (Lab ID: 291198)
 - 2-Butanone (MEK)
 - Acetone
- LCS (Lab ID: 291196)
 - 2-Butanone (MEK)
 - 4-Methyl-2-pentanone (MIBK)
 - Acetone
 - Chloroethane
 - Chloromethane
 - cis-1,3-Dichloropropene
- MS (Lab ID: 291197)
 - 2-Butanone (MEK)
 - 4-Methyl-2-pentanone (MIBK)
 - Acetone
 - Chloroethane

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: COYNE TEXTILE FACILITY

Pace Project No.: 7047606

Method: EPA 8260C

Description: 8260 MSV 5035A-H Med Level

Client: CHA Companies

Date: April 23, 2018

QC Batch: 63412

CH: The continuing calibration for this compound is outside of Pace Analytical acceptance limits. The results may be biased high.

- Chloromethane
- cis-1,3-Dichloropropene
- SOIL - 104 (Lab ID: 7047606010)
 - Acetone
 - Cyclohexane

CL: The continuing calibration for this compound is outside of Pace Analytical acceptance limits. The results may be biased low.

- BLANK (Lab ID: 291195)
 - Dichlorodifluoromethane
- DUP (Lab ID: 291198)
 - Dichlorodifluoromethane
- LCS (Lab ID: 291196)
 - Dichlorodifluoromethane
- MS (Lab ID: 291197)
 - Dichlorodifluoromethane
- SOIL - 102 (Lab ID: 7047606007)
 - Dichlorodifluoromethane
- SOIL - 104 (Lab ID: 7047606010)
 - Dichlorodifluoromethane

Internal Standards:

All internal standards were within QC limits with any exceptions noted below.

Surrogates:

All surrogates were within QC limits with any exceptions noted below.

QC Batch: 63412

S0: Surrogate recovery outside laboratory control limits.

- DUP (Lab ID: 291198)
 - 4-Bromofluorobenzene (S)

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

QC Batch: 63412

L1: Analyte recovery in the laboratory control sample (LCS) was above QC limits. Results for this analyte in associated samples may be biased high.

- LCS (Lab ID: 291196)
 - 2-Butanone (MEK)

L2: Analyte recovery in the laboratory control sample (LCS) was below QC limits. Results for this analyte in associated samples may be biased low.

- LCS (Lab ID: 291196)

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PROJECT NARRATIVE

Project: COYNE TEXTILE FACILITY

Pace Project No.: 7047606

Method: EPA 8260C

Description: 8260 MSV 5035A-H Med Level

Client: CHA Companies

Date: April 23, 2018

QC Batch: 63412

L2: Analyte recovery in the laboratory control sample (LCS) was below QC limits. Results for this analyte in associated samples may be biased low.

- 1,1,2-Trichloroethane
- Bromomethane
- Chloroethane
- Trichlorofluoromethane

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

QC Batch: 63412

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 7047475002

M0: Matrix spike recovery and/or matrix spike duplicate recovery was outside laboratory control limits.

- MS (Lab ID: 291197)
 - 2-Butanone (MEK)
 - Bromomethane
 - Chloroethane

M1: Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

- MS (Lab ID: 291197)
 - Dibromochloromethane

Duplicate Sample:

All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

This data package has been reviewed for quality and completeness and is approved for release.

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: COYNE TEXTILE FACILITY

Pace Project No.: 7047606

Sample: SOIL - 123 **Lab ID: 7047606001** Collected: 04/06/18 09:50 Received: 04/07/18 11:55 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8081 GCS Pesticides Analytical Method: EPA 8081B Preparation Method: EPA 3546								
Aldrin	<2.0	ug/kg	2.0	1	04/12/18 19:23	04/14/18 22:49	309-00-2	
alpha-BHC	<2.0	ug/kg	2.0	1	04/12/18 19:23	04/14/18 22:49	319-84-6	
beta-BHC	<2.0	ug/kg	2.0	1	04/12/18 19:23	04/14/18 22:49	319-85-7	
delta-BHC	<2.0	ug/kg	2.0	1	04/12/18 19:23	04/14/18 22:49	319-86-8	
gamma-BHC (Lindane)	<2.0	ug/kg	2.0	1	04/12/18 19:23	04/14/18 22:49	58-89-9	
alpha-Chlordane	<2.0	ug/kg	2.0	1	04/12/18 19:23	04/14/18 22:49	5103-71-9	
gamma-Chlordane	<2.0	ug/kg	2.0	1	04/12/18 19:23	04/14/18 22:49	5103-74-2	
4,4'-DDD	<3.9	ug/kg	3.9	1	04/12/18 19:23	04/14/18 22:49	72-54-8	
4,4'-DDE	<3.9	ug/kg	3.9	1	04/12/18 19:23	04/14/18 22:49	72-55-9	
4,4'-DDT	<3.9	ug/kg	3.9	1	04/12/18 19:23	04/14/18 22:49	50-29-3	
Dieldrin	<3.9	ug/kg	3.9	1	04/12/18 19:23	04/14/18 22:49	60-57-1	
Endosulfan I	<2.0	ug/kg	2.0	1	04/12/18 19:23	04/14/18 22:49	959-98-8	
Endosulfan II	<3.9	ug/kg	3.9	1	04/12/18 19:23	04/14/18 22:49	33213-65-9	
Endosulfan sulfate	<3.9	ug/kg	3.9	1	04/12/18 19:23	04/14/18 22:49	1031-07-8	
Endrin	<3.9	ug/kg	3.9	1	04/12/18 19:23	04/14/18 22:49	72-20-8	
Endrin aldehyde	<3.9	ug/kg	3.9	1	04/12/18 19:23	04/14/18 22:49	7421-93-4	
Endrin ketone	<3.9	ug/kg	3.9	1	04/12/18 19:23	04/14/18 22:49	53494-70-5	
Heptachlor	<2.0	ug/kg	2.0	1	04/12/18 19:23	04/14/18 22:49	76-44-8	
Heptachlor epoxide	<2.0	ug/kg	2.0	1	04/12/18 19:23	04/14/18 22:49	1024-57-3	
Methoxychlor	<20.2	ug/kg	20.2	1	04/12/18 19:23	04/14/18 22:49	72-43-5	
Toxaphene	<202	ug/kg	202	1	04/12/18 19:23	04/14/18 22:49	8001-35-2	
Surrogates								
Tetrachloro-m-xylene (S)	56	%	30-150	1	04/12/18 19:23	04/14/18 22:49	877-09-8	
Decachlorobiphenyl (S)	49	%	30-150	1	04/12/18 19:23	04/14/18 22:49	2051-24-3	
8082 GCS PCB Analytical Method: EPA 8082A Preparation Method: EPA 3546								
PCB-1016 (Aroclor 1016)	<39.1	ug/kg	39.1	1	04/12/18 19:23	04/14/18 16:56	12674-11-2	
PCB-1221 (Aroclor 1221)	<79.3	ug/kg	79.3	1	04/12/18 19:23	04/14/18 16:56	11104-28-2	
PCB-1232 (Aroclor 1232)	<39.1	ug/kg	39.1	1	04/12/18 19:23	04/14/18 16:56	11141-16-5	
PCB-1242 (Aroclor 1242)	<39.1	ug/kg	39.1	1	04/12/18 19:23	04/14/18 16:56	53469-21-9	
PCB-1248 (Aroclor 1248)	<39.1	ug/kg	39.1	1	04/12/18 19:23	04/14/18 16:56	12672-29-6	
PCB-1254 (Aroclor 1254)	<39.1	ug/kg	39.1	1	04/12/18 19:23	04/14/18 16:56	11097-69-1	
PCB-1260 (Aroclor 1260)	<39.1	ug/kg	39.1	1	04/12/18 19:23	04/14/18 16:56	11096-82-5	
Surrogates								
Tetrachloro-m-xylene (S)	50	%	30-150	1	04/12/18 19:23	04/14/18 16:56	877-09-8	
Decachlorobiphenyl (S)	56	%	30-150	1	04/12/18 19:23	04/14/18 16:56	2051-24-3	
8270 MSSV Analytical Method: EPA 8270D Preparation Method: EPA 3545A								
1,2,4-Trichlorobenzene	<79.1	ug/kg	79.1	1	04/12/18 05:15	04/13/18 19:36	120-82-1	
2,2'-Oxybis(1-chloropropane)	<79.1	ug/kg	79.1	1	04/12/18 05:15	04/13/18 19:36	108-60-1	
2,4,5-Trichlorophenol	<79.1	ug/kg	79.1	1	04/12/18 05:15	04/13/18 19:36	95-95-4	
2,4,6-Trichlorophenol	<79.1	ug/kg	79.1	1	04/12/18 05:15	04/13/18 19:36	88-06-2	
2,4-Dichlorophenol	<79.1	ug/kg	79.1	1	04/12/18 05:15	04/13/18 19:36	120-83-2	
2,4-Dimethylphenol	<79.1	ug/kg	79.1	1	04/12/18 05:15	04/13/18 19:36	105-67-9	
2,4-Dinitrophenol	<79.1	ug/kg	79.1	1	04/12/18 05:15	04/13/18 19:36	51-28-5	
2,4-Dinitrotoluene	<389	ug/kg	389	1	04/12/18 05:15	04/13/18 19:36	121-14-2	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: COYNE TEXTILE FACILITY

Pace Project No.: 7047606

Sample: SOIL - 123 Lab ID: 7047606001 Collected: 04/06/18 09:50 Received: 04/07/18 11:55 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV								
Analytical Method: EPA 8270D Preparation Method: EPA 3545A								
2,6-Dinitrotoluene	<389	ug/kg	389	1	04/12/18 05:15	04/13/18 19:36	606-20-2	
2-Chloronaphthalene	<79.1	ug/kg	79.1	1	04/12/18 05:15	04/13/18 19:36	91-58-7	
2-Chlorophenol	<79.1	ug/kg	79.1	1	04/12/18 05:15	04/13/18 19:36	95-57-8	
2-Methylnaphthalene	<79.1	ug/kg	79.1	1	04/12/18 05:15	04/13/18 19:36	91-57-6	
2-Methylphenol(o-Cresol)	<79.1	ug/kg	79.1	1	04/12/18 05:15	04/13/18 19:36	95-48-7	
2-Nitroaniline	<389	ug/kg	389	1	04/12/18 05:15	04/13/18 19:36	88-74-4	
2-Nitrophenol	<389	ug/kg	389	1	04/12/18 05:15	04/13/18 19:36	88-75-5	
3&4-Methylphenol(m&p Cresol)	<79.1	ug/kg	79.1	1	04/12/18 05:15	04/13/18 19:36		
3,3'-Dichlorobenzidine	<389	ug/kg	389	1	04/12/18 05:15	04/13/18 19:36	91-94-1	
3-Nitroaniline	<389	ug/kg	389	1	04/12/18 05:15	04/13/18 19:36	99-09-2	
4,6-Dinitro-2-methylphenol	<79.1	ug/kg	79.1	1	04/12/18 05:15	04/13/18 19:36	534-52-1	
4-Bromophenylphenyl ether	<79.1	ug/kg	79.1	1	04/12/18 05:15	04/13/18 19:36	101-55-3	
4-Chloro-3-methylphenol	<79.1	ug/kg	79.1	1	04/12/18 05:15	04/13/18 19:36	59-50-7	
4-Chloroaniline	<389	ug/kg	389	1	04/12/18 05:15	04/13/18 19:36	106-47-8	
4-Chlorophenylphenyl ether	<79.1	ug/kg	79.1	1	04/12/18 05:15	04/13/18 19:36	7005-72-3	
4-Nitroaniline	<389	ug/kg	389	1	04/12/18 05:15	04/13/18 19:36	100-01-6	
4-Nitrophenol	<79.1	ug/kg	79.1	1	04/12/18 05:15	04/13/18 19:36	100-02-7	CL
Acenaphthene	<79.1	ug/kg	79.1	1	04/12/18 05:15	04/13/18 19:36	83-32-9	
Acenaphthylene	<79.1	ug/kg	79.1	1	04/12/18 05:15	04/13/18 19:36	208-96-8	
Acetophenone	<79.1	ug/kg	79.1	1	04/12/18 05:15	04/13/18 19:36	98-86-2	
Anthracene	<79.1	ug/kg	79.1	1	04/12/18 05:15	04/13/18 19:36	120-12-7	
Atrazine	<79.1	ug/kg	79.1	1	04/12/18 05:15	04/13/18 19:36	1912-24-9	
Benzaldehyde	<79.1	ug/kg	79.1	1	04/12/18 05:15	04/13/18 19:36	100-52-7	IC,IL
Benzo(a)anthracene	<79.1	ug/kg	79.1	1	04/12/18 05:15	04/13/18 19:36	56-55-3	
Benzo(a)pyrene	<79.1	ug/kg	79.1	1	04/12/18 05:15	04/13/18 19:36	50-32-8	
Benzo(b)fluoranthene	<79.1	ug/kg	79.1	1	04/12/18 05:15	04/13/18 19:36	205-99-2	
Benzo(g,h,i)perylene	<79.1	ug/kg	79.1	1	04/12/18 05:15	04/13/18 19:36	191-24-2	
Benzo(k)fluoranthene	<79.1	ug/kg	79.1	1	04/12/18 05:15	04/13/18 19:36	207-08-9	
Biphenyl (Diphenyl)	<79.1	ug/kg	79.1	1	04/12/18 05:15	04/13/18 19:36	92-52-4	
Butylbenzylphthalate	<79.1	ug/kg	79.1	1	04/12/18 05:15	04/13/18 19:36	85-68-7	
Caprolactam	<79.1	ug/kg	79.1	1	04/12/18 05:15	04/13/18 19:36	105-60-2	
Carbazole	<79.1	ug/kg	79.1	1	04/12/18 05:15	04/13/18 19:36	86-74-8	
Chrysene	<79.1	ug/kg	79.1	1	04/12/18 05:15	04/13/18 19:36	218-01-9	
Di-n-butylphthalate	<79.1	ug/kg	79.1	1	04/12/18 05:15	04/13/18 19:36	84-74-2	
Di-n-octylphthalate	<79.1	ug/kg	79.1	1	04/12/18 05:15	04/13/18 19:36	117-84-0	
Dibenz(a,h)anthracene	<79.1	ug/kg	79.1	1	04/12/18 05:15	04/13/18 19:36	53-70-3	
Dibenzofuran	<79.1	ug/kg	79.1	1	04/12/18 05:15	04/13/18 19:36	132-64-9	
Diethylphthalate	<79.1	ug/kg	79.1	1	04/12/18 05:15	04/13/18 19:36	84-66-2	
Dimethylphthalate	<79.1	ug/kg	79.1	1	04/12/18 05:15	04/13/18 19:36	131-11-3	
Fluoranthene	<79.1	ug/kg	79.1	1	04/12/18 05:15	04/13/18 19:36	206-44-0	
Fluorene	<79.1	ug/kg	79.1	1	04/12/18 05:15	04/13/18 19:36	86-73-7	
Hexachloro-1,3-butadiene	<79.1	ug/kg	79.1	1	04/12/18 05:15	04/13/18 19:36	87-68-3	
Hexachlorobenzene	<79.1	ug/kg	79.1	1	04/12/18 05:15	04/13/18 19:36	118-74-1	
Hexachlorocyclopentadiene	<389	ug/kg	389	1	04/12/18 05:15	04/13/18 19:36	77-47-4	CL
Hexachloroethane	<79.1	ug/kg	79.1	1	04/12/18 05:15	04/13/18 19:36	67-72-1	
Indeno(1,2,3-cd)pyrene	<79.1	ug/kg	79.1	1	04/12/18 05:15	04/13/18 19:36	193-39-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: COYNE TEXTILE FACILITY

Pace Project No.: 7047606

Sample: SOIL - 123 Lab ID: 7047606001 Collected: 04/06/18 09:50 Received: 04/07/18 11:55 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Analytical Method: EPA 8270D Preparation Method: EPA 3545A								
Isophorone	<79.1	ug/kg	79.1	1	04/12/18 05:15	04/13/18 19:36	78-59-1	
N-Nitroso-di-n-propylamine	<79.1	ug/kg	79.1	1	04/12/18 05:15	04/13/18 19:36	621-64-7	
N-Nitrosodiphenylamine	<79.1	ug/kg	79.1	1	04/12/18 05:15	04/13/18 19:36	86-30-6	
Naphthalene	<79.1	ug/kg	79.1	1	04/12/18 05:15	04/13/18 19:36	91-20-3	
Nitrobenzene	<79.1	ug/kg	79.1	1	04/12/18 05:15	04/13/18 19:36	98-95-3	
Pentachlorophenol	<79.1	ug/kg	79.1	1	04/12/18 05:15	04/13/18 19:36	87-86-5	CL
Phenanthrene	<79.1	ug/kg	79.1	1	04/12/18 05:15	04/13/18 19:36	85-01-8	
Phenol	<79.1	ug/kg	79.1	1	04/12/18 05:15	04/13/18 19:36	108-95-2	
Pyrene	<79.1	ug/kg	79.1	1	04/12/18 05:15	04/13/18 19:36	129-00-0	
bis(2-Chloroethoxy)methane	<79.1	ug/kg	79.1	1	04/12/18 05:15	04/13/18 19:36	111-91-1	
bis(2-Chloroethyl) ether	<79.1	ug/kg	79.1	1	04/12/18 05:15	04/13/18 19:36	111-44-4	
bis(2-Ethylhexyl)phthalate	<79.1	ug/kg	79.1	1	04/12/18 05:15	04/13/18 19:36	117-81-7	
Surrogates								
Nitrobenzene-d5 (S)	64	%	23-120	1	04/12/18 05:15	04/13/18 19:36	4165-60-0	
2-Fluorobiphenyl (S)	70	%	30-115	1	04/12/18 05:15	04/13/18 19:36	321-60-8	
p-Terphenyl-d14 (S)	80	%	18-137	1	04/12/18 05:15	04/13/18 19:36	1718-51-0	
Phenol-d5 (S)	58	%	24-113	1	04/12/18 05:15	04/13/18 19:36	4165-62-2	
2-Fluorophenol (S)	60	%	25-121	1	04/12/18 05:15	04/13/18 19:36	367-12-4	
2,4,6-Tribromophenol (S)	56	%	19-122	1	04/12/18 05:15	04/13/18 19:36	118-79-6	
2-Chlorophenol-d4 (S)	58	%	20-130	1	04/12/18 05:15	04/13/18 19:36	93951-73-6	
1,2-Dichlorobenzene-d4 (S)	52	%	20-130	1	04/12/18 05:15	04/13/18 19:36	2199-69-1	
8260C MSV 5035A-L Low Level Analytical Method: EPA 8260C Preparation Method: EPA 5035A-L								
1,1,1-Trichloroethane	<1.8	ug/kg	1.8	1	04/17/18 06:00	04/17/18 09:15	71-55-6	
1,1,2,2-Tetrachloroethane	<1.8	ug/kg	1.8	1	04/17/18 06:00	04/17/18 09:15	79-34-5	
1,1,2-Trichloroethane	<1.8	ug/kg	1.8	1	04/17/18 06:00	04/17/18 09:15	79-00-5	
1,1,2-Trichlorotrifluoroethane	<1.8	ug/kg	1.8	1	04/17/18 06:00	04/17/18 09:15	76-13-1	
1,1-Dichloroethane	<1.8	ug/kg	1.8	1	04/17/18 06:00	04/17/18 09:15	75-34-3	
1,1-Dichloroethene	<1.8	ug/kg	1.8	1	04/17/18 06:00	04/17/18 09:15	75-35-4	
1,2,4-Trichlorobenzene	<1.8	ug/kg	1.8	1	04/17/18 06:00	04/17/18 09:15	120-82-1	
1,2-Dibromo-3-chloropropane	<1.8	ug/kg	1.8	1	04/17/18 06:00	04/17/18 09:15	96-12-8	
1,2-Dibromoethane (EDB)	<1.8	ug/kg	1.8	1	04/17/18 06:00	04/17/18 09:15	106-93-4	
1,2-Dichlorobenzene	<1.8	ug/kg	1.8	1	04/17/18 06:00	04/17/18 09:15	95-50-1	
1,2-Dichloroethane	<1.8	ug/kg	1.8	1	04/17/18 06:00	04/17/18 09:15	107-06-2	
1,2-Dichloropropane	<1.8	ug/kg	1.8	1	04/17/18 06:00	04/17/18 09:15	78-87-5	
1,3-Dichlorobenzene	<1.8	ug/kg	1.8	1	04/17/18 06:00	04/17/18 09:15	541-73-1	
1,4-Dichlorobenzene	<1.8	ug/kg	1.8	1	04/17/18 06:00	04/17/18 09:15	106-46-7	
2-Butanone (MEK)	<1.8	ug/kg	1.8	1	04/17/18 06:00	04/17/18 09:15	78-93-3	
2-Hexanone	<1.8	ug/kg	1.8	1	04/17/18 06:00	04/17/18 09:15	591-78-6	
4-Methyl-2-pentanone (MIBK)	<1.8	ug/kg	1.8	1	04/17/18 06:00	04/17/18 09:15	108-10-1	
Acetone	20.1	ug/kg	1.8	1	04/17/18 06:00	04/17/18 09:15	67-64-1	CL,IH
Benzene	<1.8	ug/kg	1.8	1	04/17/18 06:00	04/17/18 09:15	71-43-2	
Bromodichloromethane	<1.8	ug/kg	1.8	1	04/17/18 06:00	04/17/18 09:15	75-27-4	
Bromoform	<1.8	ug/kg	1.8	1	04/17/18 06:00	04/17/18 09:15	75-25-2	
Bromomethane	<1.8	ug/kg	1.8	1	04/17/18 06:00	04/17/18 09:15	74-83-9	
Carbon disulfide	<1.8	ug/kg	1.8	1	04/17/18 06:00	04/17/18 09:15	75-15-0	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: COYNE TEXTILE FACILITY

Pace Project No.: 7047606

Sample: SOIL - 123 **Lab ID: 7047606001** Collected: 04/06/18 09:50 Received: 04/07/18 11:55 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260C MSV 5035A-L Low Level		Analytical Method: EPA 8260C Preparation Method: EPA 5035A-L						
Carbon tetrachloride	<1.8	ug/kg	1.8	1	04/17/18 06:00	04/17/18 09:15	56-23-5	CL
Chlorobenzene	<1.8	ug/kg	1.8	1	04/17/18 06:00	04/17/18 09:15	108-90-7	
Chloroethane	<1.8	ug/kg	1.8	1	04/17/18 06:00	04/17/18 09:15	75-00-3	
Chloroform	<1.8	ug/kg	1.8	1	04/17/18 06:00	04/17/18 09:15	67-66-3	
Chloromethane	<1.8	ug/kg	1.8	1	04/17/18 06:00	04/17/18 09:15	74-87-3	
Cyclohexane	<1.8	ug/kg	1.8	1	04/17/18 06:00	04/17/18 09:15	110-82-7	
Dibromochloromethane	<1.8	ug/kg	1.8	1	04/17/18 06:00	04/17/18 09:15	124-48-1	
Dichlorodifluoromethane	<1.8	ug/kg	1.8	1	04/17/18 06:00	04/17/18 09:15	75-71-8	CL
Ethylbenzene	<1.8	ug/kg	1.8	1	04/17/18 06:00	04/17/18 09:15	100-41-4	
Isopropylbenzene (Cumene)	<1.8	ug/kg	1.8	1	04/17/18 06:00	04/17/18 09:15	98-82-8	
Methyl acetate	<1.8	ug/kg	1.8	1	04/17/18 06:00	04/17/18 09:15	79-20-9	
Methyl-tert-butyl ether	<1.8	ug/kg	1.8	1	04/17/18 06:00	04/17/18 09:15	1634-04-4	
Methylcyclohexane	<1.8	ug/kg	1.8	1	04/17/18 06:00	04/17/18 09:15	108-87-2	
Methylene Chloride	<1.8	ug/kg	1.8	1	04/17/18 06:00	04/17/18 09:15	75-09-2	
Styrene	<1.8	ug/kg	1.8	1	04/17/18 06:00	04/17/18 09:15	100-42-5	
Tetrachloroethene	<1.8	ug/kg	1.8	1	04/17/18 06:00	04/17/18 09:15	127-18-4	
Toluene	<1.8	ug/kg	1.8	1	04/17/18 06:00	04/17/18 09:15	108-88-3	CH
Trichloroethene	<1.8	ug/kg	1.8	1	04/17/18 06:00	04/17/18 09:15	79-01-6	
Trichlorofluoromethane	<1.8	ug/kg	1.8	1	04/17/18 06:00	04/17/18 09:15	75-69-4	
Vinyl chloride	<1.8	ug/kg	1.8	1	04/17/18 06:00	04/17/18 09:15	75-01-4	
Xylene (Total)	<3.7	ug/kg	3.7	1	04/17/18 06:00	04/17/18 09:15	1330-20-7	
cis-1,2-Dichloroethene	<1.8	ug/kg	1.8	1	04/17/18 06:00	04/17/18 09:15	156-59-2	
cis-1,3-Dichloropropene	<1.8	ug/kg	1.8	1	04/17/18 06:00	04/17/18 09:15	10061-01-5	
trans-1,2-Dichloroethene	<1.8	ug/kg	1.8	1	04/17/18 06:00	04/17/18 09:15	156-60-5	
trans-1,3-Dichloropropene	<1.8	ug/kg	1.8	1	04/17/18 06:00	04/17/18 09:15	10061-02-6	
Surrogates								
Toluene-d8 (S)	82	%	43-157	1	04/17/18 06:00	04/17/18 09:15	2037-26-5	
4-Bromofluorobenzene (S)	97	%	34-145	1	04/17/18 06:00	04/17/18 09:15	460-00-4	
1,2-Dichloroethane-d4 (S)	106	%	33-150	1	04/17/18 06:00	04/17/18 09:15	17060-07-0	

Percent Moisture

Analytical Method: ASTM D2216-92M

Percent Moisture	15.8	%	0.10	1		04/10/18 17:47		
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REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: COYNE TEXTILE FACILITY

Pace Project No.: 7047606

Sample: SOIL - 122 **Lab ID: 7047606002** Collected: 04/06/18 10:10 Received: 04/07/18 11:55 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8082 GCS PCB Analytical Method: EPA 8082A Preparation Method: EPA 3546								
PCB-1016 (Aroclor 1016)	<38.5	ug/kg	38.5	1	04/12/18 19:23	04/14/18 17:09	12674-11-2	
PCB-1221 (Aroclor 1221)	<78.3	ug/kg	78.3	1	04/12/18 19:23	04/14/18 17:09	11104-28-2	
PCB-1232 (Aroclor 1232)	<38.5	ug/kg	38.5	1	04/12/18 19:23	04/14/18 17:09	11141-16-5	
PCB-1242 (Aroclor 1242)	<38.5	ug/kg	38.5	1	04/12/18 19:23	04/14/18 17:09	53469-21-9	
PCB-1248 (Aroclor 1248)	<38.5	ug/kg	38.5	1	04/12/18 19:23	04/14/18 17:09	12672-29-6	
PCB-1254 (Aroclor 1254)	<38.5	ug/kg	38.5	1	04/12/18 19:23	04/14/18 17:09	11097-69-1	
PCB-1260 (Aroclor 1260)	<38.5	ug/kg	38.5	1	04/12/18 19:23	04/14/18 17:09	11096-82-5	
Surrogates								
Tetrachloro-m-xylene (S)	57	%	30-150	1	04/12/18 19:23	04/14/18 17:09	877-09-8	
Decachlorobiphenyl (S)	89	%	30-150	1	04/12/18 19:23	04/14/18 17:09	2051-24-3	
6010 MET ICP Analytical Method: EPA 6010C Preparation Method: EPA 3050B								
Aluminum	7510	mg/kg	10.9	1	04/10/18 09:28	04/11/18 01:26	7429-90-5	
Antimony	<3.3	mg/kg	3.3	1	04/10/18 09:28	04/11/18 01:26	7440-36-0	
Arsenic	5.1	mg/kg	0.55	1	04/10/18 09:28	04/11/18 01:26	7440-38-2	
Barium	37.9	mg/kg	10.9	1	04/10/18 09:28	04/11/18 01:26	7440-39-3	
Beryllium	0.36	mg/kg	0.27	1	04/10/18 09:28	04/11/18 01:26	7440-41-7	
Cadmium	0.24	mg/kg	0.14	1	04/10/18 09:28	04/11/18 01:26	7440-43-9	
Calcium	1920	mg/kg	54.5	1	04/10/18 09:28	04/11/18 01:26	7440-70-2	
Chromium	10.6	mg/kg	0.55	1	04/10/18 09:28	04/11/18 01:26	7440-47-3	
Cobalt	6.4	mg/kg	2.7	1	04/10/18 09:28	04/11/18 01:26	7440-48-4	
Copper	17.2	mg/kg	1.4	1	04/10/18 09:28	04/11/18 01:26	7440-50-8	
Iron	13000	mg/kg	5.5	1	04/10/18 09:28	04/11/18 01:26	7439-89-6	
Lead	6.5	mg/kg	0.27	1	04/10/18 09:28	04/11/18 01:26	7439-92-1	
Magnesium	3180	mg/kg	54.5	1	04/10/18 09:28	04/11/18 01:26	7439-95-4	
Manganese	96.1	mg/kg	0.82	1	04/10/18 09:28	04/11/18 01:26	7439-96-5	
Nickel	21.1	mg/kg	2.2	1	04/10/18 09:28	04/11/18 01:26	7440-02-0	
Potassium	594	mg/kg	273	1	04/10/18 09:28	04/11/18 01:26	7440-09-7	
Selenium	<0.55	mg/kg	0.55	1	04/10/18 09:28	04/11/18 01:26	7782-49-2	
Silver	<0.55	mg/kg	0.55	1	04/10/18 09:28	04/11/18 01:26	7440-22-4	
Sodium	<273	mg/kg	273	1	04/10/18 09:28	04/11/18 01:26	7440-23-5	
Thallium	<0.55	mg/kg	0.55	1	04/10/18 09:28	04/11/18 01:26	7440-28-0	
Vanadium	10.9	mg/kg	2.7	1	04/10/18 09:28	04/11/18 01:26	7440-62-2	
Zinc	36.7	mg/kg	1.1	1	04/10/18 09:28	04/11/18 01:26	7440-66-6	
8270 MSSV Analytical Method: EPA 8270D Preparation Method: EPA 3545A								
1,2,4-Trichlorobenzene	<78.1	ug/kg	78.1	1	04/12/18 05:15	04/13/18 20:04	120-82-1	
2,2'-Oxybis(1-chloropropane)	<78.1	ug/kg	78.1	1	04/12/18 05:15	04/13/18 20:04	108-60-1	
2,4,5-Trichlorophenol	<78.1	ug/kg	78.1	1	04/12/18 05:15	04/13/18 20:04	95-95-4	
2,4,6-Trichlorophenol	<78.1	ug/kg	78.1	1	04/12/18 05:15	04/13/18 20:04	88-06-2	
2,4-Dichlorophenol	<78.1	ug/kg	78.1	1	04/12/18 05:15	04/13/18 20:04	120-83-2	
2,4-Dimethylphenol	<78.1	ug/kg	78.1	1	04/12/18 05:15	04/13/18 20:04	105-67-9	
2,4-Dinitrophenol	<78.1	ug/kg	78.1	1	04/12/18 05:15	04/13/18 20:04	51-28-5	
2,4-Dinitrotoluene	<385	ug/kg	385	1	04/12/18 05:15	04/13/18 20:04	121-14-2	
2,6-Dinitrotoluene	<385	ug/kg	385	1	04/12/18 05:15	04/13/18 20:04	606-20-2	
2-Chloronaphthalene	<78.1	ug/kg	78.1	1	04/12/18 05:15	04/13/18 20:04	91-58-7	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: COYNE TEXTILE FACILITY

Pace Project No.: 7047606

Sample: SOIL - 122 Lab ID: 7047606002 Collected: 04/06/18 10:10 Received: 04/07/18 11:55 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV								
Analytical Method: EPA 8270D Preparation Method: EPA 3545A								
2-Chlorophenol	<78.1	ug/kg	78.1	1	04/12/18 05:15	04/13/18 20:04	95-57-8	
2-Methylnaphthalene	<78.1	ug/kg	78.1	1	04/12/18 05:15	04/13/18 20:04	91-57-6	
2-Methylphenol(o-Cresol)	<78.1	ug/kg	78.1	1	04/12/18 05:15	04/13/18 20:04	95-48-7	
2-Nitroaniline	<385	ug/kg	385	1	04/12/18 05:15	04/13/18 20:04	88-74-4	
2-Nitrophenol	<385	ug/kg	385	1	04/12/18 05:15	04/13/18 20:04	88-75-5	
3&4-Methylphenol(m&p Cresol)	<78.1	ug/kg	78.1	1	04/12/18 05:15	04/13/18 20:04		
3,3'-Dichlorobenzidine	<385	ug/kg	385	1	04/12/18 05:15	04/13/18 20:04	91-94-1	
3-Nitroaniline	<385	ug/kg	385	1	04/12/18 05:15	04/13/18 20:04	99-09-2	
4,6-Dinitro-2-methylphenol	<781	ug/kg	781	1	04/12/18 05:15	04/13/18 20:04	534-52-1	
4-Bromophenylphenyl ether	<78.1	ug/kg	78.1	1	04/12/18 05:15	04/13/18 20:04	101-55-3	
4-Chloro-3-methylphenol	<78.1	ug/kg	78.1	1	04/12/18 05:15	04/13/18 20:04	59-50-7	
4-Chloroaniline	<385	ug/kg	385	1	04/12/18 05:15	04/13/18 20:04	106-47-8	
4-Chlorophenylphenyl ether	<78.1	ug/kg	78.1	1	04/12/18 05:15	04/13/18 20:04	7005-72-3	
4-Nitroaniline	<385	ug/kg	385	1	04/12/18 05:15	04/13/18 20:04	100-01-6	
4-Nitrophenol	<781	ug/kg	781	1	04/12/18 05:15	04/13/18 20:04	100-02-7	CL
Acenaphthene	<78.1	ug/kg	78.1	1	04/12/18 05:15	04/13/18 20:04	83-32-9	
Acenaphthylene	<78.1	ug/kg	78.1	1	04/12/18 05:15	04/13/18 20:04	208-96-8	
Acetophenone	<78.1	ug/kg	78.1	1	04/12/18 05:15	04/13/18 20:04	98-86-2	
Anthracene	<78.1	ug/kg	78.1	1	04/12/18 05:15	04/13/18 20:04	120-12-7	
Atrazine	<78.1	ug/kg	78.1	1	04/12/18 05:15	04/13/18 20:04	1912-24-9	
Benzaldehyde	<78.1	ug/kg	78.1	1	04/12/18 05:15	04/13/18 20:04	100-52-7	IC,IL
Benzo(a)anthracene	<78.1	ug/kg	78.1	1	04/12/18 05:15	04/13/18 20:04	56-55-3	
Benzo(a)pyrene	<78.1	ug/kg	78.1	1	04/12/18 05:15	04/13/18 20:04	50-32-8	
Benzo(b)fluoranthene	<78.1	ug/kg	78.1	1	04/12/18 05:15	04/13/18 20:04	205-99-2	
Benzo(g,h,i)perylene	<78.1	ug/kg	78.1	1	04/12/18 05:15	04/13/18 20:04	191-24-2	
Benzo(k)fluoranthene	<78.1	ug/kg	78.1	1	04/12/18 05:15	04/13/18 20:04	207-08-9	
Biphenyl (Diphenyl)	<78.1	ug/kg	78.1	1	04/12/18 05:15	04/13/18 20:04	92-52-4	
Butylbenzylphthalate	<78.1	ug/kg	78.1	1	04/12/18 05:15	04/13/18 20:04	85-68-7	
Caprolactam	<78.1	ug/kg	78.1	1	04/12/18 05:15	04/13/18 20:04	105-60-2	
Carbazole	<78.1	ug/kg	78.1	1	04/12/18 05:15	04/13/18 20:04	86-74-8	
Chrysene	<78.1	ug/kg	78.1	1	04/12/18 05:15	04/13/18 20:04	218-01-9	
Di-n-butylphthalate	<78.1	ug/kg	78.1	1	04/12/18 05:15	04/13/18 20:04	84-74-2	
Di-n-octylphthalate	<78.1	ug/kg	78.1	1	04/12/18 05:15	04/13/18 20:04	117-84-0	
Dibenz(a,h)anthracene	<78.1	ug/kg	78.1	1	04/12/18 05:15	04/13/18 20:04	53-70-3	
Dibenzofuran	<78.1	ug/kg	78.1	1	04/12/18 05:15	04/13/18 20:04	132-64-9	
Diethylphthalate	<78.1	ug/kg	78.1	1	04/12/18 05:15	04/13/18 20:04	84-66-2	
Dimethylphthalate	<78.1	ug/kg	78.1	1	04/12/18 05:15	04/13/18 20:04	131-11-3	
Fluoranthene	<78.1	ug/kg	78.1	1	04/12/18 05:15	04/13/18 20:04	206-44-0	
Fluorene	<78.1	ug/kg	78.1	1	04/12/18 05:15	04/13/18 20:04	86-73-7	
Hexachloro-1,3-butadiene	<78.1	ug/kg	78.1	1	04/12/18 05:15	04/13/18 20:04	87-68-3	
Hexachlorobenzene	<78.1	ug/kg	78.1	1	04/12/18 05:15	04/13/18 20:04	118-74-1	
Hexachlorocyclopentadiene	<385	ug/kg	385	1	04/12/18 05:15	04/13/18 20:04	77-47-4	CL
Hexachloroethane	<78.1	ug/kg	78.1	1	04/12/18 05:15	04/13/18 20:04	67-72-1	
Indeno(1,2,3-cd)pyrene	<78.1	ug/kg	78.1	1	04/12/18 05:15	04/13/18 20:04	193-39-5	
Isophorone	<78.1	ug/kg	78.1	1	04/12/18 05:15	04/13/18 20:04	78-59-1	
N-Nitroso-di-n-propylamine	<78.1	ug/kg	78.1	1	04/12/18 05:15	04/13/18 20:04	621-64-7	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: COYNE TEXTILE FACILITY

Pace Project No.: 7047606

Sample: SOIL - 122 **Lab ID: 7047606002** Collected: 04/06/18 10:10 Received: 04/07/18 11:55 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Analytical Method: EPA 8270D Preparation Method: EPA 3545A								
N-Nitrosodiphenylamine	<78.1	ug/kg	78.1	1	04/12/18 05:15	04/13/18 20:04	86-30-6	
Naphthalene	<78.1	ug/kg	78.1	1	04/12/18 05:15	04/13/18 20:04	91-20-3	
Nitrobenzene	<78.1	ug/kg	78.1	1	04/12/18 05:15	04/13/18 20:04	98-95-3	
Pentachlorophenol	<78.1	ug/kg	78.1	1	04/12/18 05:15	04/13/18 20:04	87-86-5	CL
Phenanthrene	<78.1	ug/kg	78.1	1	04/12/18 05:15	04/13/18 20:04	85-01-8	
Phenol	<78.1	ug/kg	78.1	1	04/12/18 05:15	04/13/18 20:04	108-95-2	
Pyrene	<78.1	ug/kg	78.1	1	04/12/18 05:15	04/13/18 20:04	129-00-0	
bis(2-Chloroethoxy)methane	<78.1	ug/kg	78.1	1	04/12/18 05:15	04/13/18 20:04	111-91-1	
bis(2-Chloroethyl) ether	<78.1	ug/kg	78.1	1	04/12/18 05:15	04/13/18 20:04	111-44-4	
bis(2-Ethylhexyl)phthalate	<78.1	ug/kg	78.1	1	04/12/18 05:15	04/13/18 20:04	117-81-7	
Surrogates								
Nitrobenzene-d5 (S)	60	%	23-120	1	04/12/18 05:15	04/13/18 20:04	4165-60-0	
2-Fluorobiphenyl (S)	63	%	30-115	1	04/12/18 05:15	04/13/18 20:04	321-60-8	
p-Terphenyl-d14 (S)	83	%	18-137	1	04/12/18 05:15	04/13/18 20:04	1718-51-0	
Phenol-d5 (S)	62	%	24-113	1	04/12/18 05:15	04/13/18 20:04	4165-62-2	
2-Fluorophenol (S)	64	%	25-121	1	04/12/18 05:15	04/13/18 20:04	367-12-4	
2,4,6-Tribromophenol (S)	58	%	19-122	1	04/12/18 05:15	04/13/18 20:04	118-79-6	
2-Chlorophenol-d4 (S)	63	%	20-130	1	04/12/18 05:15	04/13/18 20:04	93951-73-6	
1,2-Dichlorobenzene-d4 (S)	28	%	20-130	1	04/12/18 05:15	04/13/18 20:04	2199-69-1	
8260C MSV 5035A-L Low Level Analytical Method: EPA 8260C Preparation Method: EPA 5035A-L								
1,1,1-Trichloroethane	<1.7	ug/kg	1.7	1	04/17/18 06:00	04/17/18 09:38	71-55-6	
1,1,2,2-Tetrachloroethane	<1.7	ug/kg	1.7	1	04/17/18 06:00	04/17/18 09:38	79-34-5	
1,1,2-Trichloroethane	<1.7	ug/kg	1.7	1	04/17/18 06:00	04/17/18 09:38	79-00-5	
1,1,2-Trichlorotrifluoroethane	<1.7	ug/kg	1.7	1	04/17/18 06:00	04/17/18 09:38	76-13-1	
1,1-Dichloroethane	<1.7	ug/kg	1.7	1	04/17/18 06:00	04/17/18 09:38	75-34-3	
1,1-Dichloroethene	<1.7	ug/kg	1.7	1	04/17/18 06:00	04/17/18 09:38	75-35-4	
1,2,4-Trichlorobenzene	<1.7	ug/kg	1.7	1	04/17/18 06:00	04/17/18 09:38	120-82-1	M1
1,2-Dibromo-3-chloropropane	<1.7	ug/kg	1.7	1	04/17/18 06:00	04/17/18 09:38	96-12-8	
1,2-Dibromoethane (EDB)	<1.7	ug/kg	1.7	1	04/17/18 06:00	04/17/18 09:38	106-93-4	
1,2-Dichlorobenzene	<1.7	ug/kg	1.7	1	04/17/18 06:00	04/17/18 09:38	95-50-1	
1,2-Dichloroethane	<1.7	ug/kg	1.7	1	04/17/18 06:00	04/17/18 09:38	107-06-2	
1,2-Dichloropropane	<1.7	ug/kg	1.7	1	04/17/18 06:00	04/17/18 09:38	78-87-5	
1,3-Dichlorobenzene	<1.7	ug/kg	1.7	1	04/17/18 06:00	04/17/18 09:38	541-73-1	
1,4-Dichlorobenzene	<1.7	ug/kg	1.7	1	04/17/18 06:00	04/17/18 09:38	106-46-7	
2-Butanone (MEK)	<1.7	ug/kg	1.7	1	04/17/18 06:00	04/17/18 09:38	78-93-3	
2-Hexanone	<1.7	ug/kg	1.7	1	04/17/18 06:00	04/17/18 09:38	591-78-6	
4-Methyl-2-pentanone (MIBK)	<1.7	ug/kg	1.7	1	04/17/18 06:00	04/17/18 09:38	108-10-1	
Acetone	5.3	ug/kg	1.7	1	04/17/18 06:00	04/17/18 09:38	67-64-1	CL,IH, M1
Benzene	<1.7	ug/kg	1.7	1	04/17/18 06:00	04/17/18 09:38	71-43-2	
Bromodichloromethane	<1.7	ug/kg	1.7	1	04/17/18 06:00	04/17/18 09:38	75-27-4	
Bromoform	<1.7	ug/kg	1.7	1	04/17/18 06:00	04/17/18 09:38	75-25-2	
Bromomethane	<1.7	ug/kg	1.7	1	04/17/18 06:00	04/17/18 09:38	74-83-9	
Carbon disulfide	<1.7	ug/kg	1.7	1	04/17/18 06:00	04/17/18 09:38	75-15-0	
Carbon tetrachloride	<1.7	ug/kg	1.7	1	04/17/18 06:00	04/17/18 09:38	56-23-5	CL,M1

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: COYNE TEXTILE FACILITY

Pace Project No.: 7047606

Sample: SOIL - 122 Lab ID: 7047606002 Collected: 04/06/18 10:10 Received: 04/07/18 11:55 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260C MSV 5035A-L Low Level		Analytical Method: EPA 8260C Preparation Method: EPA 5035A-L						
Chlorobenzene	<1.7	ug/kg	1.7	1	04/17/18 06:00	04/17/18 09:38	108-90-7	
Chloroethane	<1.7	ug/kg	1.7	1	04/17/18 06:00	04/17/18 09:38	75-00-3	
Chloroform	<1.7	ug/kg	1.7	1	04/17/18 06:00	04/17/18 09:38	67-66-3	
Chloromethane	<1.7	ug/kg	1.7	1	04/17/18 06:00	04/17/18 09:38	74-87-3	
Cyclohexane	<1.7	ug/kg	1.7	1	04/17/18 06:00	04/17/18 09:38	110-82-7	
Dibromochloromethane	<1.7	ug/kg	1.7	1	04/17/18 06:00	04/17/18 09:38	124-48-1	
Dichlorodifluoromethane	<1.7	ug/kg	1.7	1	04/17/18 06:00	04/17/18 09:38	75-71-8	CL
Ethylbenzene	<1.7	ug/kg	1.7	1	04/17/18 06:00	04/17/18 09:38	100-41-4	
Isopropylbenzene (Cumene)	<1.7	ug/kg	1.7	1	04/17/18 06:00	04/17/18 09:38	98-82-8	
Methyl acetate	<1.7	ug/kg	1.7	1	04/17/18 06:00	04/17/18 09:38	79-20-9	
Methyl-tert-butyl ether	<1.7	ug/kg	1.7	1	04/17/18 06:00	04/17/18 09:38	1634-04-4	
Methylcyclohexane	<1.7	ug/kg	1.7	1	04/17/18 06:00	04/17/18 09:38	108-87-2	
Methylene Chloride	<1.7	ug/kg	1.7	1	04/17/18 06:00	04/17/18 09:38	75-09-2	
Styrene	<1.7	ug/kg	1.7	1	04/17/18 06:00	04/17/18 09:38	100-42-5	
Tetrachloroethene	<1.7	ug/kg	1.7	1	04/17/18 06:00	04/17/18 09:38	127-18-4	
Toluene	<1.7	ug/kg	1.7	1	04/17/18 06:00	04/17/18 09:38	108-88-3	
Trichloroethene	<1.7	ug/kg	1.7	1	04/17/18 06:00	04/17/18 09:38	79-01-6	
Trichlorofluoromethane	<1.7	ug/kg	1.7	1	04/17/18 06:00	04/17/18 09:38	75-69-4	
Vinyl chloride	<1.7	ug/kg	1.7	1	04/17/18 06:00	04/17/18 09:38	75-01-4	
Xylene (Total)	<3.5	ug/kg	3.5	1	04/17/18 06:00	04/17/18 09:38	1330-20-7	
cis-1,2-Dichloroethene	<1.7	ug/kg	1.7	1	04/17/18 06:00	04/17/18 09:38	156-59-2	
cis-1,3-Dichloropropene	<1.7	ug/kg	1.7	1	04/17/18 06:00	04/17/18 09:38	10061-01-5	
trans-1,2-Dichloroethene	<1.7	ug/kg	1.7	1	04/17/18 06:00	04/17/18 09:38	156-60-5	
trans-1,3-Dichloropropene	<1.7	ug/kg	1.7	1	04/17/18 06:00	04/17/18 09:38	10061-02-6	
Surrogates								
Toluene-d8 (S)	86	%	43-157	1	04/17/18 06:00	04/17/18 09:38	2037-26-5	
4-Bromofluorobenzene (S)	98	%	34-145	1	04/17/18 06:00	04/17/18 09:38	460-00-4	
1,2-Dichloroethane-d4 (S)	114	%	33-150	1	04/17/18 06:00	04/17/18 09:38	17060-07-0	

Percent Moisture

Analytical Method: ASTM D2216-92M

Percent Moisture	14.4	%	0.10	1		04/10/18 17:47		
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REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: COYNE TEXTILE FACILITY

Pace Project No.: 7047606

Sample: **SOIL - 103** Lab ID: **7047606003** Collected: 04/06/18 14:50 Received: 04/07/18 11:55 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8082 GCS PCB Analytical Method: EPA 8082A Preparation Method: EPA 3546								
PCB-1016 (Aroclor 1016)	<44.5	ug/kg	44.5	1	04/12/18 19:23	04/14/18 17:22	12674-11-2	
PCB-1221 (Aroclor 1221)	<90.4	ug/kg	90.4	1	04/12/18 19:23	04/14/18 17:22	11104-28-2	
PCB-1232 (Aroclor 1232)	<44.5	ug/kg	44.5	1	04/12/18 19:23	04/14/18 17:22	11141-16-5	
PCB-1242 (Aroclor 1242)	<44.5	ug/kg	44.5	1	04/12/18 19:23	04/14/18 17:22	53469-21-9	
PCB-1248 (Aroclor 1248)	<44.5	ug/kg	44.5	1	04/12/18 19:23	04/14/18 17:22	12672-29-6	
PCB-1254 (Aroclor 1254)	<44.5	ug/kg	44.5	1	04/12/18 19:23	04/14/18 17:22	11097-69-1	
PCB-1260 (Aroclor 1260)	<44.5	ug/kg	44.5	1	04/12/18 19:23	04/14/18 17:22	11096-82-5	
Surrogates								
Tetrachloro-m-xylene (S)	47	%	30-150	1	04/12/18 19:23	04/14/18 17:22	877-09-8	
Decachlorobiphenyl (S)	59	%	30-150	1	04/12/18 19:23	04/14/18 17:22	2051-24-3	
6010 MET ICP Analytical Method: EPA 6010C Preparation Method: EPA 3050B								
Aluminum	5560	mg/kg	12.9	1	04/10/18 09:28	04/11/18 00:20	7429-90-5	M1
Antimony	<3.9	mg/kg	3.9	1	04/10/18 09:28	04/11/18 00:20	7440-36-0	
Arsenic	4.7	mg/kg	0.65	1	04/10/18 09:28	04/11/18 00:20	7440-38-2	
Barium	53.2	mg/kg	12.9	1	04/10/18 09:28	04/11/18 00:20	7440-39-3	
Beryllium	<0.32	mg/kg	0.32	1	04/10/18 09:28	04/11/18 00:20	7440-41-7	
Cadmium	0.50	mg/kg	0.16	1	04/10/18 09:28	04/11/18 00:20	7440-43-9	
Calcium	61300	mg/kg	64.5	1	04/10/18 09:28	04/11/18 00:20	7440-70-2	M6
Chromium	10	mg/kg	0.65	1	04/10/18 09:28	04/11/18 00:20	7440-47-3	
Cobalt	4.9	mg/kg	3.2	1	04/10/18 09:28	04/11/18 00:20	7440-48-4	
Copper	32.7	mg/kg	1.6	1	04/10/18 09:28	04/11/18 00:20	7440-50-8	D6,M1
Iron	13900	mg/kg	6.5	1	04/10/18 09:28	04/11/18 00:20	7439-89-6	M1
Lead	108	mg/kg	0.32	1	04/10/18 09:28	04/11/18 00:20	7439-92-1	
Magnesium	12200	mg/kg	64.5	1	04/10/18 09:28	04/11/18 00:20	7439-95-4	M1
Manganese	345	mg/kg	0.97	1	04/10/18 09:28	04/11/18 00:20	7439-96-5	M1
Nickel	11.8	mg/kg	2.6	1	04/10/18 09:28	04/11/18 00:20	7440-02-0	
Potassium	955	mg/kg	323	1	04/10/18 09:28	04/11/18 00:20	7440-09-7	
Selenium	0.67	mg/kg	0.65	1	04/10/18 09:28	04/11/18 00:20	7782-49-2	
Silver	<0.65	mg/kg	0.65	1	04/10/18 09:28	04/11/18 00:20	7440-22-4	
Sodium	<323	mg/kg	323	1	04/10/18 09:28	04/11/18 00:20	7440-23-5	
Thallium	<0.65	mg/kg	0.65	1	04/10/18 09:28	04/11/18 00:20	7440-28-0	
Vanadium	15.8	mg/kg	3.2	1	04/10/18 09:28	04/11/18 00:20	7440-62-2	
Zinc	63.8	mg/kg	1.3	1	04/10/18 09:28	04/11/18 00:20	7440-66-6	
8270 MSSV Analytical Method: EPA 8270D Preparation Method: EPA 3545A								
1,2,4-Trichlorobenzene	<90.1	ug/kg	90.1	1	04/12/18 05:15	04/13/18 23:50	120-82-1	
2,2'-Oxybis(1-chloropropane)	<90.1	ug/kg	90.1	1	04/12/18 05:15	04/13/18 23:50	108-60-1	
2,4,5-Trichlorophenol	<90.1	ug/kg	90.1	1	04/12/18 05:15	04/13/18 23:50	95-95-4	
2,4,6-Trichlorophenol	<90.1	ug/kg	90.1	1	04/12/18 05:15	04/13/18 23:50	88-06-2	
2,4-Dichlorophenol	<90.1	ug/kg	90.1	1	04/12/18 05:15	04/13/18 23:50	120-83-2	
2,4-Dimethylphenol	<90.1	ug/kg	90.1	1	04/12/18 05:15	04/13/18 23:50	105-67-9	
2,4-Dinitrophenol	<90.1	ug/kg	90.1	1	04/12/18 05:15	04/13/18 23:50	51-28-5	
2,4-Dinitrotoluene	<444	ug/kg	444	1	04/12/18 05:15	04/13/18 23:50	121-14-2	
2,6-Dinitrotoluene	<444	ug/kg	444	1	04/12/18 05:15	04/13/18 23:50	606-20-2	
2-Chloronaphthalene	<90.1	ug/kg	90.1	1	04/12/18 05:15	04/13/18 23:50	91-58-7	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: COYNE TEXTILE FACILITY

Pace Project No.: 7047606

Sample: SOIL - 103 **Lab ID: 7047606003** Collected: 04/06/18 14:50 Received: 04/07/18 11:55 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Analytical Method: EPA 8270D Preparation Method: EPA 3545A								
2-Chlorophenol	<90.1	ug/kg	90.1	1	04/12/18 05:15	04/13/18 23:50	95-57-8	
2-Methylnaphthalene	<90.1	ug/kg	90.1	1	04/12/18 05:15	04/13/18 23:50	91-57-6	
2-Methylphenol(o-Cresol)	<90.1	ug/kg	90.1	1	04/12/18 05:15	04/13/18 23:50	95-48-7	
2-Nitroaniline	<444	ug/kg	444	1	04/12/18 05:15	04/13/18 23:50	88-74-4	
2-Nitrophenol	<444	ug/kg	444	1	04/12/18 05:15	04/13/18 23:50	88-75-5	
3&4-Methylphenol(m&p Cresol)	<90.1	ug/kg	90.1	1	04/12/18 05:15	04/13/18 23:50		
3,3'-Dichlorobenzidine	<444	ug/kg	444	1	04/12/18 05:15	04/13/18 23:50	91-94-1	
3-Nitroaniline	<444	ug/kg	444	1	04/12/18 05:15	04/13/18 23:50	99-09-2	
4,6-Dinitro-2-methylphenol	<901	ug/kg	901	1	04/12/18 05:15	04/13/18 23:50	534-52-1	
4-Bromophenylphenyl ether	<90.1	ug/kg	90.1	1	04/12/18 05:15	04/13/18 23:50	101-55-3	
4-Chloro-3-methylphenol	<90.1	ug/kg	90.1	1	04/12/18 05:15	04/13/18 23:50	59-50-7	
4-Chloroaniline	<444	ug/kg	444	1	04/12/18 05:15	04/13/18 23:50	106-47-8	
4-Chlorophenylphenyl ether	<90.1	ug/kg	90.1	1	04/12/18 05:15	04/13/18 23:50	7005-72-3	
4-Nitroaniline	<444	ug/kg	444	1	04/12/18 05:15	04/13/18 23:50	100-01-6	
4-Nitrophenol	<901	ug/kg	901	1	04/12/18 05:15	04/13/18 23:50	100-02-7	CL
Acenaphthene	<90.1	ug/kg	90.1	1	04/12/18 05:15	04/13/18 23:50	83-32-9	
Acenaphthylene	<90.1	ug/kg	90.1	1	04/12/18 05:15	04/13/18 23:50	208-96-8	
Acetophenone	<90.1	ug/kg	90.1	1	04/12/18 05:15	04/13/18 23:50	98-86-2	
Anthracene	220	ug/kg	90.1	1	04/12/18 05:15	04/13/18 23:50	120-12-7	
Atrazine	<90.1	ug/kg	90.1	1	04/12/18 05:15	04/13/18 23:50	1912-24-9	
Benzaldehyde	<90.1	ug/kg	90.1	1	04/12/18 05:15	04/13/18 23:50	100-52-7	IC,IL
Benzo(a)anthracene	506	ug/kg	90.1	1	04/12/18 05:15	04/13/18 23:50	56-55-3	
Benzo(a)pyrene	438	ug/kg	90.1	1	04/12/18 05:15	04/13/18 23:50	50-32-8	
Benzo(b)fluoranthene	509	ug/kg	90.1	1	04/12/18 05:15	04/13/18 23:50	205-99-2	
Benzo(g,h,i)perylene	259	ug/kg	90.1	1	04/12/18 05:15	04/13/18 23:50	191-24-2	
Benzo(k)fluoranthene	219	ug/kg	90.1	1	04/12/18 05:15	04/13/18 23:50	207-08-9	
Biphenyl (Diphenyl)	<90.1	ug/kg	90.1	1	04/12/18 05:15	04/13/18 23:50	92-52-4	
Butylbenzylphthalate	<90.1	ug/kg	90.1	1	04/12/18 05:15	04/13/18 23:50	85-68-7	
Caprolactam	<90.1	ug/kg	90.1	1	04/12/18 05:15	04/13/18 23:50	105-60-2	
Carbazole	<90.1	ug/kg	90.1	1	04/12/18 05:15	04/13/18 23:50	86-74-8	
Chrysene	487	ug/kg	90.1	1	04/12/18 05:15	04/13/18 23:50	218-01-9	
Di-n-butylphthalate	<90.1	ug/kg	90.1	1	04/12/18 05:15	04/13/18 23:50	84-74-2	
Di-n-octylphthalate	<90.1	ug/kg	90.1	1	04/12/18 05:15	04/13/18 23:50	117-84-0	
Dibenz(a,h)anthracene	<90.1	ug/kg	90.1	1	04/12/18 05:15	04/13/18 23:50	53-70-3	
Dibenzofuran	<90.1	ug/kg	90.1	1	04/12/18 05:15	04/13/18 23:50	132-64-9	
Diethylphthalate	<90.1	ug/kg	90.1	1	04/12/18 05:15	04/13/18 23:50	84-66-2	
Dimethylphthalate	<90.1	ug/kg	90.1	1	04/12/18 05:15	04/13/18 23:50	131-11-3	
Fluoranthene	916	ug/kg	90.1	1	04/12/18 05:15	04/13/18 23:50	206-44-0	
Fluorene	<90.1	ug/kg	90.1	1	04/12/18 05:15	04/13/18 23:50	86-73-7	
Hexachloro-1,3-butadiene	<90.1	ug/kg	90.1	1	04/12/18 05:15	04/13/18 23:50	87-68-3	
Hexachlorobenzene	<90.1	ug/kg	90.1	1	04/12/18 05:15	04/13/18 23:50	118-74-1	
Hexachlorocyclopentadiene	<444	ug/kg	444	1	04/12/18 05:15	04/13/18 23:50	77-47-4	CL
Hexachloroethane	<90.1	ug/kg	90.1	1	04/12/18 05:15	04/13/18 23:50	67-72-1	
Indeno(1,2,3-cd)pyrene	263	ug/kg	90.1	1	04/12/18 05:15	04/13/18 23:50	193-39-5	
Isophorone	<90.1	ug/kg	90.1	1	04/12/18 05:15	04/13/18 23:50	78-59-1	
N-Nitroso-di-n-propylamine	<90.1	ug/kg	90.1	1	04/12/18 05:15	04/13/18 23:50	621-64-7	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: COYNE TEXTILE FACILITY

Pace Project No.: 7047606

Sample: SOIL - 103 **Lab ID: 7047606003** Collected: 04/06/18 14:50 Received: 04/07/18 11:55 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Analytical Method: EPA 8270D Preparation Method: EPA 3545A								
N-Nitrosodiphenylamine	<90.1	ug/kg	90.1	1	04/12/18 05:15	04/13/18 23:50	86-30-6	
Naphthalene	117	ug/kg	90.1	1	04/12/18 05:15	04/13/18 23:50	91-20-3	
Nitrobenzene	<90.1	ug/kg	90.1	1	04/12/18 05:15	04/13/18 23:50	98-95-3	
Pentachlorophenol	<901	ug/kg	901	1	04/12/18 05:15	04/13/18 23:50	87-86-5	CL
Phenanthrene	663	ug/kg	90.1	1	04/12/18 05:15	04/13/18 23:50	85-01-8	
Phenol	<90.1	ug/kg	90.1	1	04/12/18 05:15	04/13/18 23:50	108-95-2	
Pyrene	810	ug/kg	90.1	1	04/12/18 05:15	04/13/18 23:50	129-00-0	
bis(2-Chloroethoxy)methane	<90.1	ug/kg	90.1	1	04/12/18 05:15	04/13/18 23:50	111-91-1	
bis(2-Chloroethyl) ether	<90.1	ug/kg	90.1	1	04/12/18 05:15	04/13/18 23:50	111-44-4	
bis(2-Ethylhexyl)phthalate	<90.1	ug/kg	90.1	1	04/12/18 05:15	04/13/18 23:50	117-81-7	
Surrogates								
Nitrobenzene-d5 (S)	43	%	23-120	1	04/12/18 05:15	04/13/18 23:50	4165-60-0	
2-Fluorobiphenyl (S)	75	%	30-115	1	04/12/18 05:15	04/13/18 23:50	321-60-8	
p-Terphenyl-d14 (S)	89	%	18-137	1	04/12/18 05:15	04/13/18 23:50	1718-51-0	
Phenol-d5 (S)	56	%	24-113	1	04/12/18 05:15	04/13/18 23:50	4165-62-2	
2-Fluorophenol (S)	54	%	25-121	1	04/12/18 05:15	04/13/18 23:50	367-12-4	
2,4,6-Tribromophenol (S)	51	%	19-122	1	04/12/18 05:15	04/13/18 23:50	118-79-6	
2-Chlorophenol-d4 (S)	54	%	20-130	1	04/12/18 05:15	04/13/18 23:50	93951-73-6	
1,2-Dichlorobenzene-d4 (S)	53	%	20-130	1	04/12/18 05:15	04/13/18 23:50	2199-69-1	
8260C MSV 5035A-L Low Level Analytical Method: EPA 8260C Preparation Method: EPA 5035A-L								
1,1,1-Trichloroethane	<2.4	ug/kg	2.4	1	04/17/18 06:00	04/17/18 10:01	71-55-6	
1,1,2,2-Tetrachloroethane	<2.4	ug/kg	2.4	1	04/17/18 06:00	04/17/18 10:01	79-34-5	
1,1,2-Trichloroethane	<2.4	ug/kg	2.4	1	04/17/18 06:00	04/17/18 10:01	79-00-5	
1,1,2-Trichlorotrifluoroethane	<2.4	ug/kg	2.4	1	04/17/18 06:00	04/17/18 10:01	76-13-1	
1,1-Dichloroethane	<2.4	ug/kg	2.4	1	04/17/18 06:00	04/17/18 10:01	75-34-3	
1,1-Dichloroethene	<2.4	ug/kg	2.4	1	04/17/18 06:00	04/17/18 10:01	75-35-4	
1,2,4-Trichlorobenzene	<2.4	ug/kg	2.4	1	04/17/18 06:00	04/17/18 10:01	120-82-1	
1,2-Dibromo-3-chloropropane	<2.4	ug/kg	2.4	1	04/17/18 06:00	04/17/18 10:01	96-12-8	
1,2-Dibromoethane (EDB)	<2.4	ug/kg	2.4	1	04/17/18 06:00	04/17/18 10:01	106-93-4	
1,2-Dichlorobenzene	<2.4	ug/kg	2.4	1	04/17/18 06:00	04/17/18 10:01	95-50-1	
1,2-Dichloroethane	<2.4	ug/kg	2.4	1	04/17/18 06:00	04/17/18 10:01	107-06-2	
1,2-Dichloropropane	<2.4	ug/kg	2.4	1	04/17/18 06:00	04/17/18 10:01	78-87-5	
1,3-Dichlorobenzene	<2.4	ug/kg	2.4	1	04/17/18 06:00	04/17/18 10:01	541-73-1	
1,4-Dichlorobenzene	<2.4	ug/kg	2.4	1	04/17/18 06:00	04/17/18 10:01	106-46-7	
2-Butanone (MEK)	21.5	ug/kg	2.4	1	04/17/18 06:00	04/17/18 10:01	78-93-3	
2-Hexanone	<2.4	ug/kg	2.4	1	04/17/18 06:00	04/17/18 10:01	591-78-6	
4-Methyl-2-pentanone (MIBK)	<2.4	ug/kg	2.4	1	04/17/18 06:00	04/17/18 10:01	108-10-1	
Acetone	127	ug/kg	2.4	1	04/17/18 06:00	04/17/18 10:01	67-64-1	CL,IH
Benzene	23.2	ug/kg	2.4	1	04/17/18 06:00	04/17/18 10:01	71-43-2	
Bromodichloromethane	<2.4	ug/kg	2.4	1	04/17/18 06:00	04/17/18 10:01	75-27-4	
Bromoform	<2.4	ug/kg	2.4	1	04/17/18 06:00	04/17/18 10:01	75-25-2	
Bromomethane	<2.4	ug/kg	2.4	1	04/17/18 06:00	04/17/18 10:01	74-83-9	
Carbon disulfide	6.1	ug/kg	2.4	1	04/17/18 06:00	04/17/18 10:01	75-15-0	
Carbon tetrachloride	<2.4	ug/kg	2.4	1	04/17/18 06:00	04/17/18 10:01	56-23-5	CL
Chlorobenzene	<2.4	ug/kg	2.4	1	04/17/18 06:00	04/17/18 10:01	108-90-7	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: COYNE TEXTILE FACILITY

Pace Project No.: 7047606

Sample: SOIL - 103 Lab ID: 7047606003 Collected: 04/06/18 14:50 Received: 04/07/18 11:55 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260C MSV 5035A-L Low Level		Analytical Method: EPA 8260C Preparation Method: EPA 5035A-L						
Chloroethane	<2.4	ug/kg	2.4	1	04/17/18 06:00	04/17/18 10:01	75-00-3	
Chloroform	<2.4	ug/kg	2.4	1	04/17/18 06:00	04/17/18 10:01	67-66-3	
Chloromethane	<2.4	ug/kg	2.4	1	04/17/18 06:00	04/17/18 10:01	74-87-3	
Cyclohexane	<2.4	ug/kg	2.4	1	04/17/18 06:00	04/17/18 10:01	110-82-7	
Dibromochloromethane	<2.4	ug/kg	2.4	1	04/17/18 06:00	04/17/18 10:01	124-48-1	
Dichlorodifluoromethane	<2.4	ug/kg	2.4	1	04/17/18 06:00	04/17/18 10:01	75-71-8	CL
Ethylbenzene	<2.4	ug/kg	2.4	1	04/17/18 06:00	04/17/18 10:01	100-41-4	
Isopropylbenzene (Cumene)	<2.4	ug/kg	2.4	1	04/17/18 06:00	04/17/18 10:01	98-82-8	
Methyl acetate	<2.4	ug/kg	2.4	1	04/17/18 06:00	04/17/18 10:01	79-20-9	
Methyl-tert-butyl ether	<2.4	ug/kg	2.4	1	04/17/18 06:00	04/17/18 10:01	1634-04-4	
Methylcyclohexane	<2.4	ug/kg	2.4	1	04/17/18 06:00	04/17/18 10:01	108-87-2	
Methylene Chloride	<2.4	ug/kg	2.4	1	04/17/18 06:00	04/17/18 10:01	75-09-2	
Styrene	<2.4	ug/kg	2.4	1	04/17/18 06:00	04/17/18 10:01	100-42-5	
Tetrachloroethene	<2.4	ug/kg	2.4	1	04/17/18 06:00	04/17/18 10:01	127-18-4	
Toluene	<2.4	ug/kg	2.4	1	04/17/18 06:00	04/17/18 10:01	108-88-3	CH
Trichloroethene	<2.4	ug/kg	2.4	1	04/17/18 06:00	04/17/18 10:01	79-01-6	
Trichlorofluoromethane	<2.4	ug/kg	2.4	1	04/17/18 06:00	04/17/18 10:01	75-69-4	
Vinyl chloride	<2.4	ug/kg	2.4	1	04/17/18 06:00	04/17/18 10:01	75-01-4	
Xylene (Total)	<4.7	ug/kg	4.7	1	04/17/18 06:00	04/17/18 10:01	1330-20-7	
cis-1,2-Dichloroethene	<2.4	ug/kg	2.4	1	04/17/18 06:00	04/17/18 10:01	156-59-2	
cis-1,3-Dichloropropene	<2.4	ug/kg	2.4	1	04/17/18 06:00	04/17/18 10:01	10061-01-5	
trans-1,2-Dichloroethene	<2.4	ug/kg	2.4	1	04/17/18 06:00	04/17/18 10:01	156-60-5	
trans-1,3-Dichloropropene	<2.4	ug/kg	2.4	1	04/17/18 06:00	04/17/18 10:01	10061-02-6	
Surrogates								
Toluene-d8 (S)	86	%	43-157	1	04/17/18 06:00	04/17/18 10:01	2037-26-5	
4-Bromofluorobenzene (S)	91	%	34-145	1	04/17/18 06:00	04/17/18 10:01	460-00-4	
1,2-Dichloroethane-d4 (S)	106	%	33-150	1	04/17/18 06:00	04/17/18 10:01	17060-07-0	

Percent Moisture

Analytical Method: ASTM D2216-92M

Percent Moisture	25.9	%	0.10	1		04/10/18 17:47		
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REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: COYNE TEXTILE FACILITY

Pace Project No.: 7047606

Sample: SOIL - 105 Lab ID: 7047606004 Collected: 04/06/18 14:10 Received: 04/07/18 11:55 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8082 GCS PCB Analytical Method: EPA 8082A Preparation Method: EPA 3546								
PCB-1016 (Aroclor 1016)	<39.4	ug/kg	39.4	1	04/12/18 19:23	04/14/18 17:34	12674-11-2	
PCB-1221 (Aroclor 1221)	<80.0	ug/kg	80.0	1	04/12/18 19:23	04/14/18 17:34	11104-28-2	
PCB-1232 (Aroclor 1232)	<39.4	ug/kg	39.4	1	04/12/18 19:23	04/14/18 17:34	11141-16-5	
PCB-1242 (Aroclor 1242)	<39.4	ug/kg	39.4	1	04/12/18 19:23	04/14/18 17:34	53469-21-9	
PCB-1248 (Aroclor 1248)	<39.4	ug/kg	39.4	1	04/12/18 19:23	04/14/18 17:34	12672-29-6	
PCB-1254 (Aroclor 1254)	<39.4	ug/kg	39.4	1	04/12/18 19:23	04/14/18 17:34	11097-69-1	
PCB-1260 (Aroclor 1260)	<39.4	ug/kg	39.4	1	04/12/18 19:23	04/14/18 17:34	11096-82-5	
Surrogates								
Tetrachloro-m-xylene (S)	42	%	30-150	1	04/12/18 19:23	04/14/18 17:34	877-09-8	
Decachlorobiphenyl (S)	56	%	30-150	1	04/12/18 19:23	04/14/18 17:34	2051-24-3	
6010 MET ICP Analytical Method: EPA 6010C Preparation Method: EPA 3050B								
Aluminum	3660	mg/kg	11.9	1	04/10/18 09:28	04/11/18 00:48	7429-90-5	
Antimony	<3.6	mg/kg	3.6	1	04/10/18 09:28	04/11/18 00:48	7440-36-0	
Arsenic	1.1	mg/kg	0.59	1	04/10/18 09:28	04/11/18 00:48	7440-38-2	
Barium	108	mg/kg	11.9	1	04/10/18 09:28	04/11/18 00:48	7440-39-3	
Beryllium	<0.30	mg/kg	0.30	1	04/10/18 09:28	04/11/18 00:48	7440-41-7	
Cadmium	0.22	mg/kg	0.15	1	04/10/18 09:28	04/11/18 00:48	7440-43-9	
Calcium	45300	mg/kg	59.3	1	04/10/18 09:28	04/11/18 00:48	7440-70-2	
Chromium	4.7	mg/kg	0.59	1	04/10/18 09:28	04/11/18 00:48	7440-47-3	
Cobalt	3.7	mg/kg	3.0	1	04/10/18 09:28	04/11/18 00:48	7440-48-4	
Copper	9.3	mg/kg	1.5	1	04/10/18 09:28	04/11/18 00:48	7440-50-8	
Iron	7820	mg/kg	5.9	1	04/10/18 09:28	04/11/18 00:48	7439-89-6	
Lead	3.3	mg/kg	0.30	1	04/10/18 09:28	04/11/18 00:48	7439-92-1	
Magnesium	17000	mg/kg	59.3	1	04/10/18 09:28	04/11/18 00:48	7439-95-4	
Manganese	285	mg/kg	0.89	1	04/10/18 09:28	04/11/18 00:48	7439-96-5	
Nickel	8.4	mg/kg	2.4	1	04/10/18 09:28	04/11/18 00:48	7440-02-0	
Potassium	666	mg/kg	296	1	04/10/18 09:28	04/11/18 00:48	7440-09-7	
Selenium	<0.59	mg/kg	0.59	1	04/10/18 09:28	04/11/18 00:48	7782-49-2	
Silver	<0.59	mg/kg	0.59	1	04/10/18 09:28	04/11/18 00:48	7440-22-4	
Sodium	<296	mg/kg	296	1	04/10/18 09:28	04/11/18 00:48	7440-23-5	
Thallium	<0.59	mg/kg	0.59	1	04/10/18 09:28	04/11/18 00:48	7440-28-0	
Vanadium	7.2	mg/kg	3.0	1	04/10/18 09:28	04/11/18 00:48	7440-62-2	
Zinc	21.7	mg/kg	1.2	1	04/10/18 09:28	04/11/18 00:48	7440-66-6	
8270 MSSV Analytical Method: EPA 8270D Preparation Method: EPA 3545A								
1,2,4-Trichlorobenzene	<79.8	ug/kg	79.8	1	04/12/18 05:15	04/13/18 18:11	120-82-1	
2,2'-Oxybis(1-chloropropane)	<79.8	ug/kg	79.8	1	04/12/18 05:15	04/13/18 18:11	108-60-1	
2,4,5-Trichlorophenol	<79.8	ug/kg	79.8	1	04/12/18 05:15	04/13/18 18:11	95-95-4	
2,4,6-Trichlorophenol	<79.8	ug/kg	79.8	1	04/12/18 05:15	04/13/18 18:11	88-06-2	
2,4-Dichlorophenol	<79.8	ug/kg	79.8	1	04/12/18 05:15	04/13/18 18:11	120-83-2	
2,4-Dimethylphenol	<79.8	ug/kg	79.8	1	04/12/18 05:15	04/13/18 18:11	105-67-9	
2,4-Dinitrophenol	<798	ug/kg	798	1	04/12/18 05:15	04/13/18 18:11	51-28-5	
2,4-Dinitrotoluene	<393	ug/kg	393	1	04/12/18 05:15	04/13/18 18:11	121-14-2	
2,6-Dinitrotoluene	<393	ug/kg	393	1	04/12/18 05:15	04/13/18 18:11	606-20-2	
2-Chloronaphthalene	<79.8	ug/kg	79.8	1	04/12/18 05:15	04/13/18 18:11	91-58-7	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: COYNE TEXTILE FACILITY

Pace Project No.: 7047606

Sample: SOIL - 105 **Lab ID: 7047606004** Collected: 04/06/18 14:10 Received: 04/07/18 11:55 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Analytical Method: EPA 8270D Preparation Method: EPA 3545A								
2-Chlorophenol	<79.8	ug/kg	79.8	1	04/12/18 05:15	04/13/18 18:11	95-57-8	
2-Methylnaphthalene	<79.8	ug/kg	79.8	1	04/12/18 05:15	04/13/18 18:11	91-57-6	
2-Methylphenol(o-Cresol)	<79.8	ug/kg	79.8	1	04/12/18 05:15	04/13/18 18:11	95-48-7	
2-Nitroaniline	<393	ug/kg	393	1	04/12/18 05:15	04/13/18 18:11	88-74-4	
2-Nitrophenol	<393	ug/kg	393	1	04/12/18 05:15	04/13/18 18:11	88-75-5	
3&4-Methylphenol(m&p Cresol)	<79.8	ug/kg	79.8	1	04/12/18 05:15	04/13/18 18:11		
3,3'-Dichlorobenzidine	<393	ug/kg	393	1	04/12/18 05:15	04/13/18 18:11	91-94-1	
3-Nitroaniline	<393	ug/kg	393	1	04/12/18 05:15	04/13/18 18:11	99-09-2	
4,6-Dinitro-2-methylphenol	<798	ug/kg	798	1	04/12/18 05:15	04/13/18 18:11	534-52-1	
4-Bromophenylphenyl ether	<79.8	ug/kg	79.8	1	04/12/18 05:15	04/13/18 18:11	101-55-3	
4-Chloro-3-methylphenol	<79.8	ug/kg	79.8	1	04/12/18 05:15	04/13/18 18:11	59-50-7	
4-Chloroaniline	<393	ug/kg	393	1	04/12/18 05:15	04/13/18 18:11	106-47-8	
4-Chlorophenylphenyl ether	<79.8	ug/kg	79.8	1	04/12/18 05:15	04/13/18 18:11	7005-72-3	
4-Nitroaniline	<393	ug/kg	393	1	04/12/18 05:15	04/13/18 18:11	100-01-6	
4-Nitrophenol	<798	ug/kg	798	1	04/12/18 05:15	04/13/18 18:11	100-02-7	CL
Acenaphthene	<79.8	ug/kg	79.8	1	04/12/18 05:15	04/13/18 18:11	83-32-9	
Acenaphthylene	<79.8	ug/kg	79.8	1	04/12/18 05:15	04/13/18 18:11	208-96-8	
Acetophenone	<79.8	ug/kg	79.8	1	04/12/18 05:15	04/13/18 18:11	98-86-2	
Anthracene	<79.8	ug/kg	79.8	1	04/12/18 05:15	04/13/18 18:11	120-12-7	
Atrazine	<79.8	ug/kg	79.8	1	04/12/18 05:15	04/13/18 18:11	1912-24-9	
Benzaldehyde	<79.8	ug/kg	79.8	1	04/12/18 05:15	04/13/18 18:11	100-52-7	IC,IL
Benzo(a)anthracene	<79.8	ug/kg	79.8	1	04/12/18 05:15	04/13/18 18:11	56-55-3	
Benzo(a)pyrene	<79.8	ug/kg	79.8	1	04/12/18 05:15	04/13/18 18:11	50-32-8	
Benzo(b)fluoranthene	<79.8	ug/kg	79.8	1	04/12/18 05:15	04/13/18 18:11	205-99-2	
Benzo(g,h,i)perylene	<79.8	ug/kg	79.8	1	04/12/18 05:15	04/13/18 18:11	191-24-2	
Benzo(k)fluoranthene	<79.8	ug/kg	79.8	1	04/12/18 05:15	04/13/18 18:11	207-08-9	
Biphenyl (Diphenyl)	<79.8	ug/kg	79.8	1	04/12/18 05:15	04/13/18 18:11	92-52-4	
Butylbenzylphthalate	<79.8	ug/kg	79.8	1	04/12/18 05:15	04/13/18 18:11	85-68-7	
Caprolactam	<79.8	ug/kg	79.8	1	04/12/18 05:15	04/13/18 18:11	105-60-2	
Carbazole	<79.8	ug/kg	79.8	1	04/12/18 05:15	04/13/18 18:11	86-74-8	
Chrysene	<79.8	ug/kg	79.8	1	04/12/18 05:15	04/13/18 18:11	218-01-9	
Di-n-butylphthalate	<79.8	ug/kg	79.8	1	04/12/18 05:15	04/13/18 18:11	84-74-2	
Di-n-octylphthalate	<79.8	ug/kg	79.8	1	04/12/18 05:15	04/13/18 18:11	117-84-0	
Dibenz(a,h)anthracene	<79.8	ug/kg	79.8	1	04/12/18 05:15	04/13/18 18:11	53-70-3	
Dibenzofuran	<79.8	ug/kg	79.8	1	04/12/18 05:15	04/13/18 18:11	132-64-9	
Diethylphthalate	<79.8	ug/kg	79.8	1	04/12/18 05:15	04/13/18 18:11	84-66-2	
Dimethylphthalate	<79.8	ug/kg	79.8	1	04/12/18 05:15	04/13/18 18:11	131-11-3	
Fluoranthene	<79.8	ug/kg	79.8	1	04/12/18 05:15	04/13/18 18:11	206-44-0	
Fluorene	<79.8	ug/kg	79.8	1	04/12/18 05:15	04/13/18 18:11	86-73-7	
Hexachloro-1,3-butadiene	<79.8	ug/kg	79.8	1	04/12/18 05:15	04/13/18 18:11	87-68-3	
Hexachlorobenzene	<79.8	ug/kg	79.8	1	04/12/18 05:15	04/13/18 18:11	118-74-1	
Hexachlorocyclopentadiene	<393	ug/kg	393	1	04/12/18 05:15	04/13/18 18:11	77-47-4	CL
Hexachloroethane	<79.8	ug/kg	79.8	1	04/12/18 05:15	04/13/18 18:11	67-72-1	
Indeno(1,2,3-cd)pyrene	<79.8	ug/kg	79.8	1	04/12/18 05:15	04/13/18 18:11	193-39-5	
Isophorone	<79.8	ug/kg	79.8	1	04/12/18 05:15	04/13/18 18:11	78-59-1	
N-Nitroso-di-n-propylamine	<79.8	ug/kg	79.8	1	04/12/18 05:15	04/13/18 18:11	621-64-7	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: COYNE TEXTILE FACILITY

Pace Project No.: 7047606

Sample: SOIL - 105 **Lab ID: 7047606004** Collected: 04/06/18 14:10 Received: 04/07/18 11:55 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Analytical Method: EPA 8270D Preparation Method: EPA 3545A								
N-Nitrosodiphenylamine	<79.8	ug/kg	79.8	1	04/12/18 05:15	04/13/18 18:11	86-30-6	
Naphthalene	<79.8	ug/kg	79.8	1	04/12/18 05:15	04/13/18 18:11	91-20-3	
Nitrobenzene	<79.8	ug/kg	79.8	1	04/12/18 05:15	04/13/18 18:11	98-95-3	
Pentachlorophenol	<798	ug/kg	798	1	04/12/18 05:15	04/13/18 18:11	87-86-5	CL
Phenanthrene	<79.8	ug/kg	79.8	1	04/12/18 05:15	04/13/18 18:11	85-01-8	
Phenol	<79.8	ug/kg	79.8	1	04/12/18 05:15	04/13/18 18:11	108-95-2	
Pyrene	<79.8	ug/kg	79.8	1	04/12/18 05:15	04/13/18 18:11	129-00-0	
bis(2-Chloroethoxy)methane	<79.8	ug/kg	79.8	1	04/12/18 05:15	04/13/18 18:11	111-91-1	
bis(2-Chloroethyl) ether	<79.8	ug/kg	79.8	1	04/12/18 05:15	04/13/18 18:11	111-44-4	
bis(2-Ethylhexyl)phthalate	<79.8	ug/kg	79.8	1	04/12/18 05:15	04/13/18 18:11	117-81-7	
Surrogates								
Nitrobenzene-d5 (S)	42	%	23-120	1	04/12/18 05:15	04/13/18 18:11	4165-60-0	
2-Fluorobiphenyl (S)	58	%	30-115	1	04/12/18 05:15	04/13/18 18:11	321-60-8	
p-Terphenyl-d14 (S)	80	%	18-137	1	04/12/18 05:15	04/13/18 18:11	1718-51-0	
Phenol-d5 (S)	56	%	24-113	1	04/12/18 05:15	04/13/18 18:11	4165-62-2	
2-Fluorophenol (S)	57	%	25-121	1	04/12/18 05:15	04/13/18 18:11	367-12-4	
2,4,6-Tribromophenol (S)	46	%	19-122	1	04/12/18 05:15	04/13/18 18:11	118-79-6	
2-Chlorophenol-d4 (S)	54	%	20-130	1	04/12/18 05:15	04/13/18 18:11	93951-73-6	
1,2-Dichlorobenzene-d4 (S)	41	%	20-130	1	04/12/18 05:15	04/13/18 18:11	2199-69-1	
8260C MSV 5035A-L Low Level Analytical Method: EPA 8260C Preparation Method: EPA 5035A-L								
1,1,1-Trichloroethane	<2.5	ug/kg	2.5	1	04/17/18 06:00	04/17/18 10:24	71-55-6	
1,1,2,2-Tetrachloroethane	<2.5	ug/kg	2.5	1	04/17/18 06:00	04/17/18 10:24	79-34-5	
1,1,2-Trichloroethane	<2.5	ug/kg	2.5	1	04/17/18 06:00	04/17/18 10:24	79-00-5	
1,1,2-Trichlorotrifluoroethane	<2.5	ug/kg	2.5	1	04/17/18 06:00	04/17/18 10:24	76-13-1	
1,1-Dichloroethane	<2.5	ug/kg	2.5	1	04/17/18 06:00	04/17/18 10:24	75-34-3	
1,1-Dichloroethene	<2.5	ug/kg	2.5	1	04/17/18 06:00	04/17/18 10:24	75-35-4	
1,2,4-Trichlorobenzene	<2.5	ug/kg	2.5	1	04/17/18 06:00	04/17/18 10:24	120-82-1	
1,2-Dibromo-3-chloropropane	<2.5	ug/kg	2.5	1	04/17/18 06:00	04/17/18 10:24	96-12-8	
1,2-Dibromoethane (EDB)	<2.5	ug/kg	2.5	1	04/17/18 06:00	04/17/18 10:24	106-93-4	
1,2-Dichlorobenzene	<2.5	ug/kg	2.5	1	04/17/18 06:00	04/17/18 10:24	95-50-1	
1,2-Dichloroethane	<2.5	ug/kg	2.5	1	04/17/18 06:00	04/17/18 10:24	107-06-2	
1,2-Dichloropropane	<2.5	ug/kg	2.5	1	04/17/18 06:00	04/17/18 10:24	78-87-5	
1,3-Dichlorobenzene	<2.5	ug/kg	2.5	1	04/17/18 06:00	04/17/18 10:24	541-73-1	
1,4-Dichlorobenzene	<2.5	ug/kg	2.5	1	04/17/18 06:00	04/17/18 10:24	106-46-7	
2-Butanone (MEK)	<2.5	ug/kg	2.5	1	04/17/18 06:00	04/17/18 10:24	78-93-3	
2-Hexanone	<2.5	ug/kg	2.5	1	04/17/18 06:00	04/17/18 10:24	591-78-6	
4-Methyl-2-pentanone (MIBK)	<2.5	ug/kg	2.5	1	04/17/18 06:00	04/17/18 10:24	108-10-1	
Acetone	<2.5	ug/kg	2.5	1	04/17/18 06:00	04/17/18 10:24	67-64-1	CL
Benzene	69.1	ug/kg	2.5	1	04/17/18 06:00	04/17/18 10:24	71-43-2	
Bromodichloromethane	<2.5	ug/kg	2.5	1	04/17/18 06:00	04/17/18 10:24	75-27-4	
Bromoform	<2.5	ug/kg	2.5	1	04/17/18 06:00	04/17/18 10:24	75-25-2	
Bromomethane	<2.5	ug/kg	2.5	1	04/17/18 06:00	04/17/18 10:24	74-83-9	
Carbon disulfide	<2.5	ug/kg	2.5	1	04/17/18 06:00	04/17/18 10:24	75-15-0	
Carbon tetrachloride	<2.5	ug/kg	2.5	1	04/17/18 06:00	04/17/18 10:24	56-23-5	CL
Chlorobenzene	<2.5	ug/kg	2.5	1	04/17/18 06:00	04/17/18 10:24	108-90-7	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: COYNE TEXTILE FACILITY

Pace Project No.: 7047606

Sample: SOIL - 105 **Lab ID: 7047606004** Collected: 04/06/18 14:10 Received: 04/07/18 11:55 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260C MSV 5035A-L Low Level		Analytical Method: EPA 8260C Preparation Method: EPA 5035A-L						
Chloroethane	<2.5	ug/kg	2.5	1	04/17/18 06:00	04/17/18 10:24	75-00-3	
Chloroform	<2.5	ug/kg	2.5	1	04/17/18 06:00	04/17/18 10:24	67-66-3	
Chloromethane	<2.5	ug/kg	2.5	1	04/17/18 06:00	04/17/18 10:24	74-87-3	
Cyclohexane	<2.5	ug/kg	2.5	1	04/17/18 06:00	04/17/18 10:24	110-82-7	
Dibromochloromethane	<2.5	ug/kg	2.5	1	04/17/18 06:00	04/17/18 10:24	124-48-1	
Dichlorodifluoromethane	<2.5	ug/kg	2.5	1	04/17/18 06:00	04/17/18 10:24	75-71-8	CL
Ethylbenzene	<2.5	ug/kg	2.5	1	04/17/18 06:00	04/17/18 10:24	100-41-4	
Isopropylbenzene (Cumene)	<2.5	ug/kg	2.5	1	04/17/18 06:00	04/17/18 10:24	98-82-8	
Methyl acetate	<2.5	ug/kg	2.5	1	04/17/18 06:00	04/17/18 10:24	79-20-9	
Methyl-tert-butyl ether	<2.5	ug/kg	2.5	1	04/17/18 06:00	04/17/18 10:24	1634-04-4	
Methylcyclohexane	<2.5	ug/kg	2.5	1	04/17/18 06:00	04/17/18 10:24	108-87-2	
Methylene Chloride	<2.5	ug/kg	2.5	1	04/17/18 06:00	04/17/18 10:24	75-09-2	
Styrene	<2.5	ug/kg	2.5	1	04/17/18 06:00	04/17/18 10:24	100-42-5	
Tetrachloroethene	<2.5	ug/kg	2.5	1	04/17/18 06:00	04/17/18 10:24	127-18-4	
Toluene	3.8	ug/kg	2.5	1	04/17/18 06:00	04/17/18 10:24	108-88-3	CH
Trichloroethene	<2.5	ug/kg	2.5	1	04/17/18 06:00	04/17/18 10:24	79-01-6	
Trichlorofluoromethane	<2.5	ug/kg	2.5	1	04/17/18 06:00	04/17/18 10:24	75-69-4	
Vinyl chloride	<2.5	ug/kg	2.5	1	04/17/18 06:00	04/17/18 10:24	75-01-4	
Xylene (Total)	<5.0	ug/kg	5.0	1	04/17/18 06:00	04/17/18 10:24	1330-20-7	
cis-1,2-Dichloroethene	<2.5	ug/kg	2.5	1	04/17/18 06:00	04/17/18 10:24	156-59-2	
cis-1,3-Dichloropropene	<2.5	ug/kg	2.5	1	04/17/18 06:00	04/17/18 10:24	10061-01-5	
trans-1,2-Dichloroethene	<2.5	ug/kg	2.5	1	04/17/18 06:00	04/17/18 10:24	156-60-5	
trans-1,3-Dichloropropene	<2.5	ug/kg	2.5	1	04/17/18 06:00	04/17/18 10:24	10061-02-6	
Surrogates								
Toluene-d8 (S)	83	%	43-157	1	04/17/18 06:00	04/17/18 10:24	2037-26-5	
4-Bromofluorobenzene (S)	93	%	34-145	1	04/17/18 06:00	04/17/18 10:24	460-00-4	
1,2-Dichloroethane-d4 (S)	124	%	33-150	1	04/17/18 06:00	04/17/18 10:24	17060-07-0	

Percent Moisture

Analytical Method: ASTM D2216-92M

Percent Moisture	16.3	%	0.10	1		04/10/18 17:47		
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REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: COYNE TEXTILE FACILITY

Pace Project No.: 7047606

Sample: SOIL - MSD - 101 Lab ID: 7047606005 Collected: 04/06/18 15:00 Received: 04/07/18 11:55 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8082 GCS PCB								
Analytical Method: EPA 8082A Preparation Method: EPA 3546								
PCB-1016 (Aroclor 1016)	<41.4	ug/kg	41.4	1	04/12/18 19:23	04/14/18 18:13	12674-11-2	
PCB-1221 (Aroclor 1221)	<84.1	ug/kg	84.1	1	04/12/18 19:23	04/14/18 18:13	11104-28-2	
PCB-1232 (Aroclor 1232)	<41.4	ug/kg	41.4	1	04/12/18 19:23	04/14/18 18:13	11141-16-5	
PCB-1242 (Aroclor 1242)	<41.4	ug/kg	41.4	1	04/12/18 19:23	04/14/18 18:13	53469-21-9	
PCB-1248 (Aroclor 1248)	<41.4	ug/kg	41.4	1	04/12/18 19:23	04/14/18 18:13	12672-29-6	
PCB-1254 (Aroclor 1254)	<41.4	ug/kg	41.4	1	04/12/18 19:23	04/14/18 18:13	11097-69-1	
PCB-1260 (Aroclor 1260)	<41.4	ug/kg	41.4	1	04/12/18 19:23	04/14/18 18:13	11096-82-5	
Surrogates								
Tetrachloro-m-xylene (S)	52	%	30-150	1	04/12/18 19:23	04/14/18 18:13	877-09-8	
Decachlorobiphenyl (S)	68	%	30-150	1	04/12/18 19:23	04/14/18 18:13	2051-24-3	
6010 MET ICP								
Analytical Method: EPA 6010C Preparation Method: EPA 3050B								
Aluminum	6450	mg/kg	13.8	1	04/10/18 09:28	04/11/18 00:54	7429-90-5	
Antimony	<4.1	mg/kg	4.1	1	04/10/18 09:28	04/11/18 00:54	7440-36-0	
Arsenic	4.8	mg/kg	0.69	1	04/10/18 09:28	04/11/18 00:54	7440-38-2	
Barium	56.0	mg/kg	13.8	1	04/10/18 09:28	04/11/18 00:54	7440-39-3	
Beryllium	<0.35	mg/kg	0.35	1	04/10/18 09:28	04/11/18 00:54	7440-41-7	
Cadmium	0.46	mg/kg	0.17	1	04/10/18 09:28	04/11/18 00:54	7440-43-9	
Calcium	52000	mg/kg	69.0	1	04/10/18 09:28	04/11/18 00:54	7440-70-2	
Chromium	9.6	mg/kg	0.69	1	04/10/18 09:28	04/11/18 00:54	7440-47-3	
Cobalt	5.6	mg/kg	3.5	1	04/10/18 09:28	04/11/18 00:54	7440-48-4	
Copper	43.0	mg/kg	1.7	1	04/10/18 09:28	04/11/18 00:54	7440-50-8	
Iron	13700	mg/kg	6.9	1	04/10/18 09:28	04/11/18 00:54	7439-89-6	
Lead	131	mg/kg	0.35	1	04/10/18 09:28	04/11/18 00:54	7439-92-1	
Magnesium	12500	mg/kg	69.0	1	04/10/18 09:28	04/11/18 00:54	7439-95-4	
Manganese	373	mg/kg	1.0	1	04/10/18 09:28	04/11/18 00:54	7439-96-5	
Nickel	12.5	mg/kg	2.8	1	04/10/18 09:28	04/11/18 00:54	7440-02-0	
Potassium	1040	mg/kg	345	1	04/10/18 09:28	04/11/18 00:54	7440-09-7	
Selenium	<0.69	mg/kg	0.69	1	04/10/18 09:28	04/11/18 00:54	7782-49-2	
Silver	<0.69	mg/kg	0.69	1	04/10/18 09:28	04/11/18 00:54	7440-22-4	
Sodium	<345	mg/kg	345	1	04/10/18 09:28	04/11/18 00:54	7440-23-5	
Thallium	<0.69	mg/kg	0.69	1	04/10/18 09:28	04/11/18 00:54	7440-28-0	
Vanadium	15.5	mg/kg	3.5	1	04/10/18 09:28	04/11/18 00:54	7440-62-2	
Zinc	67.4	mg/kg	1.4	1	04/10/18 09:28	04/11/18 00:54	7440-66-6	
8270 MSSV								
Analytical Method: EPA 8270D Preparation Method: EPA 3545A								
1,2,4-Trichlorobenzene	<83.7	ug/kg	83.7	1	04/17/18 17:08	04/20/18 21:11	120-82-1	
2,2'-Oxybis(1-chloropropane)	<83.7	ug/kg	83.7	1	04/17/18 17:08	04/20/18 21:11	108-60-1	CL
2,4,5-Trichlorophenol	<83.7	ug/kg	83.7	1	04/17/18 17:08	04/20/18 21:11	95-95-4	
2,4,6-Trichlorophenol	<83.7	ug/kg	83.7	1	04/17/18 17:08	04/20/18 21:11	88-06-2	
2,4-Dichlorophenol	<83.7	ug/kg	83.7	1	04/17/18 17:08	04/20/18 21:11	120-83-2	
2,4-Dimethylphenol	<83.7	ug/kg	83.7	1	04/17/18 17:08	04/20/18 21:11	105-67-9	
2,4-Dinitrophenol	<83.7	ug/kg	83.7	1	04/17/18 17:08	04/20/18 21:11	51-28-5	
2,4-Dinitrotoluene	<412	ug/kg	412	1	04/17/18 17:08	04/20/18 21:11	121-14-2	
2,6-Dinitrotoluene	<412	ug/kg	412	1	04/17/18 17:08	04/20/18 21:11	606-20-2	
2-Chloronaphthalene	<83.7	ug/kg	83.7	1	04/17/18 17:08	04/20/18 21:11	91-58-7	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: COYNE TEXTILE FACILITY

Pace Project No.: 7047606

Sample: SOIL - MSD - 101 Lab ID: 7047606005 Collected: 04/06/18 15:00 Received: 04/07/18 11:55 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV								
Analytical Method: EPA 8270D Preparation Method: EPA 3545A								
2-Chlorophenol	<83.7	ug/kg	83.7	1	04/17/18 17:08	04/20/18 21:11	95-57-8	
2-Methylnaphthalene	342	ug/kg	83.7	1	04/17/18 17:08	04/20/18 21:11	91-57-6	
2-Methylphenol(o-Cresol)	<83.7	ug/kg	83.7	1	04/17/18 17:08	04/20/18 21:11	95-48-7	
2-Nitroaniline	<412	ug/kg	412	1	04/17/18 17:08	04/20/18 21:11	88-74-4	CL
2-Nitrophenol	<412	ug/kg	412	1	04/17/18 17:08	04/20/18 21:11	88-75-5	
3&4-Methylphenol(m&p Cresol)	170	ug/kg	83.7	1	04/17/18 17:08	04/20/18 21:11		
3,3'-Dichlorobenzidine	<412	ug/kg	412	1	04/17/18 17:08	04/20/18 21:11	91-94-1	
3-Nitroaniline	<412	ug/kg	412	1	04/17/18 17:08	04/20/18 21:11	99-09-2	
4,6-Dinitro-2-methylphenol	<837	ug/kg	837	1	04/17/18 17:08	04/20/18 21:11	534-52-1	
4-Bromophenylphenyl ether	<83.7	ug/kg	83.7	1	04/17/18 17:08	04/20/18 21:11	101-55-3	
4-Chloro-3-methylphenol	<83.7	ug/kg	83.7	1	04/17/18 17:08	04/20/18 21:11	59-50-7	
4-Chloroaniline	<412	ug/kg	412	1	04/17/18 17:08	04/20/18 21:11	106-47-8	
4-Chlorophenylphenyl ether	<83.7	ug/kg	83.7	1	04/17/18 17:08	04/20/18 21:11	7005-72-3	
4-Nitroaniline	<412	ug/kg	412	1	04/17/18 17:08	04/20/18 21:11	100-01-6	
4-Nitrophenol	<837	ug/kg	837	1	04/17/18 17:08	04/20/18 21:11	100-02-7	CL
Acenaphthene	492	ug/kg	83.7	1	04/17/18 17:08	04/20/18 21:11	83-32-9	
Acenaphthylene	192	ug/kg	83.7	1	04/17/18 17:08	04/20/18 21:11	208-96-8	
Acetophenone	<83.7	ug/kg	83.7	1	04/17/18 17:08	04/20/18 21:11	98-86-2	
Anthracene	1280	ug/kg	83.7	1	04/17/18 17:08	04/20/18 21:11	120-12-7	
Atrazine	<83.7	ug/kg	83.7	1	04/17/18 17:08	04/20/18 21:11	1912-24-9	L1
Benzaldehyde	<83.7	ug/kg	83.7	1	04/17/18 17:08	04/20/18 21:11	100-52-7	CL,L2
Benzo(a)anthracene	2420	ug/kg	83.7	1	04/17/18 17:08	04/20/18 21:11	56-55-3	
Benzo(a)pyrene	2280	ug/kg	83.7	1	04/17/18 17:08	04/20/18 21:11	50-32-8	
Benzo(b)fluoranthene	3060	ug/kg	83.7	1	04/17/18 17:08	04/20/18 21:11	205-99-2	
Benzo(g,h,i)perylene	612	ug/kg	83.7	1	04/17/18 17:08	04/20/18 21:11	191-24-2	
Benzo(k)fluoranthene	1640	ug/kg	83.7	1	04/17/18 17:08	04/20/18 21:11	207-08-9	
Biphenyl (Diphenyl)	125	ug/kg	83.7	1	04/17/18 17:08	04/20/18 21:11	92-52-4	
Butylbenzylphthalate	<83.7	ug/kg	83.7	1	04/17/18 17:08	04/20/18 21:11	85-68-7	
Caprolactam	<83.7	ug/kg	83.7	1	04/17/18 17:08	04/20/18 21:11	105-60-2	
Carbazole	384	ug/kg	83.7	1	04/17/18 17:08	04/20/18 21:11	86-74-8	
Chrysene	2420	ug/kg	83.7	1	04/17/18 17:08	04/20/18 21:11	218-01-9	
Di-n-butylphthalate	<83.7	ug/kg	83.7	1	04/17/18 17:08	04/20/18 21:11	84-74-2	
Di-n-octylphthalate	<83.7	ug/kg	83.7	1	04/17/18 17:08	04/20/18 21:11	117-84-0	
Dibenz(a,h)anthracene	259	ug/kg	83.7	1	04/17/18 17:08	04/20/18 21:11	53-70-3	
Dibenzofuran	624	ug/kg	83.7	1	04/17/18 17:08	04/20/18 21:11	132-64-9	
Diethylphthalate	<83.7	ug/kg	83.7	1	04/17/18 17:08	04/20/18 21:11	84-66-2	
Dimethylphthalate	<83.7	ug/kg	83.7	1	04/17/18 17:08	04/20/18 21:11	131-11-3	
Fluoranthene	3640	ug/kg	83.7	1	04/17/18 17:08	04/20/18 21:11	206-44-0	
Fluorene	628	ug/kg	83.7	1	04/17/18 17:08	04/20/18 21:11	86-73-7	
Hexachloro-1,3-butadiene	<83.7	ug/kg	83.7	1	04/17/18 17:08	04/20/18 21:11	87-68-3	
Hexachlorobenzene	<83.7	ug/kg	83.7	1	04/17/18 17:08	04/20/18 21:11	118-74-1	
Hexachlorocyclopentadiene	<412	ug/kg	412	1	04/17/18 17:08	04/20/18 21:11	77-47-4	CL
Hexachloroethane	<83.7	ug/kg	83.7	1	04/17/18 17:08	04/20/18 21:11	67-72-1	
Indeno(1,2,3-cd)pyrene	792	ug/kg	83.7	1	04/17/18 17:08	04/20/18 21:11	193-39-5	
Isophorone	<83.7	ug/kg	83.7	1	04/17/18 17:08	04/20/18 21:11	78-59-1	
N-Nitroso-di-n-propylamine	<83.7	ug/kg	83.7	1	04/17/18 17:08	04/20/18 21:11	621-64-7	CL

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: COYNE TEXTILE FACILITY

Pace Project No.: 7047606

Sample: SOIL - MSD - 101 Lab ID: 7047606005 Collected: 04/06/18 15:00 Received: 04/07/18 11:55 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV								
Analytical Method: EPA 8270D Preparation Method: EPA 3545A								
N-Nitrosodiphenylamine	<83.7	ug/kg	83.7	1	04/17/18 17:08	04/20/18 21:11	86-30-6	
Naphthalene	666	ug/kg	83.7	1	04/17/18 17:08	04/20/18 21:11	91-20-3	
Nitrobenzene	<83.7	ug/kg	83.7	1	04/17/18 17:08	04/20/18 21:11	98-95-3	
Pentachlorophenol	<837	ug/kg	837	1	04/17/18 17:08	04/20/18 21:11	87-86-5	
Phenanthrene	3510	ug/kg	83.7	1	04/17/18 17:08	04/20/18 21:11	85-01-8	
Phenol	<83.7	ug/kg	83.7	1	04/17/18 17:08	04/20/18 21:11	108-95-2	
Pyrene	3320	ug/kg	83.7	1	04/17/18 17:08	04/20/18 21:11	129-00-0	
bis(2-Chloroethoxy)methane	<83.7	ug/kg	83.7	1	04/17/18 17:08	04/20/18 21:11	111-91-1	
bis(2-Chloroethyl) ether	<83.7	ug/kg	83.7	1	04/17/18 17:08	04/20/18 21:11	111-44-4	CL
bis(2-Ethylhexyl)phthalate	<83.7	ug/kg	83.7	1	04/17/18 17:08	04/20/18 21:11	117-81-7	
Surrogates								
Nitrobenzene-d5 (S)	54	%	23-120	1	04/17/18 17:08	04/20/18 21:11	4165-60-0	
2-Fluorobiphenyl (S)	78	%	30-115	1	04/17/18 17:08	04/20/18 21:11	321-60-8	
p-Terphenyl-d14 (S)	84	%	18-137	1	04/17/18 17:08	04/20/18 21:11	1718-51-0	
Phenol-d5 (S)	64	%	24-113	1	04/17/18 17:08	04/20/18 21:11	4165-62-2	
2-Fluorophenol (S)	58	%	25-121	1	04/17/18 17:08	04/20/18 21:11	367-12-4	
2,4,6-Tribromophenol (S)	82	%	19-122	1	04/17/18 17:08	04/20/18 21:11	118-79-6	
2-Chlorophenol-d4 (S)	69	%	20-130	1	04/17/18 17:08	04/20/18 21:11	93951-73-6	
1,2-Dichlorobenzene-d4 (S)	62	%	20-130	1	04/17/18 17:08	04/20/18 21:11	2199-69-1	
8260C MSV 5035A-L Low Level								
Analytical Method: EPA 8260C Preparation Method: EPA 5035A-L								
1,1,1-Trichloroethane	<2.0	ug/kg	2.0	1	04/17/18 06:00	04/17/18 10:46	71-55-6	
1,1,2,2-Tetrachloroethane	<2.0	ug/kg	2.0	1	04/17/18 06:00	04/17/18 10:46	79-34-5	
1,1,2-Trichloroethane	<2.0	ug/kg	2.0	1	04/17/18 06:00	04/17/18 10:46	79-00-5	
1,1,2-Trichlorotrifluoroethane	<2.0	ug/kg	2.0	1	04/17/18 06:00	04/17/18 10:46	76-13-1	
1,1-Dichloroethane	<2.0	ug/kg	2.0	1	04/17/18 06:00	04/17/18 10:46	75-34-3	
1,1-Dichloroethene	<2.0	ug/kg	2.0	1	04/17/18 06:00	04/17/18 10:46	75-35-4	
1,2,4-Trichlorobenzene	<2.0	ug/kg	2.0	1	04/17/18 06:00	04/17/18 10:46	120-82-1	
1,2-Dibromo-3-chloropropane	<2.0	ug/kg	2.0	1	04/17/18 06:00	04/17/18 10:46	96-12-8	
1,2-Dibromoethane (EDB)	<2.0	ug/kg	2.0	1	04/17/18 06:00	04/17/18 10:46	106-93-4	
1,2-Dichlorobenzene	<2.0	ug/kg	2.0	1	04/17/18 06:00	04/17/18 10:46	95-50-1	
1,2-Dichloroethane	<2.0	ug/kg	2.0	1	04/17/18 06:00	04/17/18 10:46	107-06-2	
1,2-Dichloropropane	<2.0	ug/kg	2.0	1	04/17/18 06:00	04/17/18 10:46	78-87-5	
1,3-Dichlorobenzene	<2.0	ug/kg	2.0	1	04/17/18 06:00	04/17/18 10:46	541-73-1	
1,4-Dichlorobenzene	<2.0	ug/kg	2.0	1	04/17/18 06:00	04/17/18 10:46	106-46-7	
2-Butanone (MEK)	15.6	ug/kg	2.0	1	04/17/18 06:00	04/17/18 10:46	78-93-3	
2-Hexanone	<2.0	ug/kg	2.0	1	04/17/18 06:00	04/17/18 10:46	591-78-6	
4-Methyl-2-pentanone (MIBK)	<2.0	ug/kg	2.0	1	04/17/18 06:00	04/17/18 10:46	108-10-1	
Acetone	55.5	ug/kg	2.0	1	04/17/18 06:00	04/17/18 10:46	67-64-1	CL,IH
Benzene	33.9	ug/kg	2.0	1	04/17/18 06:00	04/17/18 10:46	71-43-2	
Bromodichloromethane	<2.0	ug/kg	2.0	1	04/17/18 06:00	04/17/18 10:46	75-27-4	
Bromoform	<2.0	ug/kg	2.0	1	04/17/18 06:00	04/17/18 10:46	75-25-2	
Bromomethane	<2.0	ug/kg	2.0	1	04/17/18 06:00	04/17/18 10:46	74-83-9	
Carbon disulfide	<2.0	ug/kg	2.0	1	04/17/18 06:00	04/17/18 10:46	75-15-0	
Carbon tetrachloride	<2.0	ug/kg	2.0	1	04/17/18 06:00	04/17/18 10:46	56-23-5	CL
Chlorobenzene	<2.0	ug/kg	2.0	1	04/17/18 06:00	04/17/18 10:46	108-90-7	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: COYNE TEXTILE FACILITY

Pace Project No.: 7047606

Sample: SOIL - MSD - 101 **Lab ID: 7047606005** Collected: 04/06/18 15:00 Received: 04/07/18 11:55 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260C MSV 5035A-L Low Level		Analytical Method: EPA 8260C Preparation Method: EPA 5035A-L						
Chloroethane	<2.0	ug/kg	2.0	1	04/17/18 06:00	04/17/18 10:46	75-00-3	
Chloroform	<2.0	ug/kg	2.0	1	04/17/18 06:00	04/17/18 10:46	67-66-3	
Chloromethane	<2.0	ug/kg	2.0	1	04/17/18 06:00	04/17/18 10:46	74-87-3	
Cyclohexane	<2.0	ug/kg	2.0	1	04/17/18 06:00	04/17/18 10:46	110-82-7	
Dibromochloromethane	<2.0	ug/kg	2.0	1	04/17/18 06:00	04/17/18 10:46	124-48-1	
Dichlorodifluoromethane	<2.0	ug/kg	2.0	1	04/17/18 06:00	04/17/18 10:46	75-71-8	CL
Ethylbenzene	<2.0	ug/kg	2.0	1	04/17/18 06:00	04/17/18 10:46	100-41-4	
Isopropylbenzene (Cumene)	<2.0	ug/kg	2.0	1	04/17/18 06:00	04/17/18 10:46	98-82-8	
Methyl acetate	<2.0	ug/kg	2.0	1	04/17/18 06:00	04/17/18 10:46	79-20-9	
Methyl-tert-butyl ether	<2.0	ug/kg	2.0	1	04/17/18 06:00	04/17/18 10:46	1634-04-4	
Methylcyclohexane	<2.0	ug/kg	2.0	1	04/17/18 06:00	04/17/18 10:46	108-87-2	
Methylene Chloride	<2.0	ug/kg	2.0	1	04/17/18 06:00	04/17/18 10:46	75-09-2	
Styrene	<2.0	ug/kg	2.0	1	04/17/18 06:00	04/17/18 10:46	100-42-5	
Tetrachloroethene	<2.0	ug/kg	2.0	1	04/17/18 06:00	04/17/18 10:46	127-18-4	
Toluene	<2.0	ug/kg	2.0	1	04/17/18 06:00	04/17/18 10:46	108-88-3	CH
Trichloroethene	<2.0	ug/kg	2.0	1	04/17/18 06:00	04/17/18 10:46	79-01-6	
Trichlorofluoromethane	<2.0	ug/kg	2.0	1	04/17/18 06:00	04/17/18 10:46	75-69-4	
Vinyl chloride	<2.0	ug/kg	2.0	1	04/17/18 06:00	04/17/18 10:46	75-01-4	
Xylene (Total)	<4.0	ug/kg	4.0	1	04/17/18 06:00	04/17/18 10:46	1330-20-7	
cis-1,2-Dichloroethene	<2.0	ug/kg	2.0	1	04/17/18 06:00	04/17/18 10:46	156-59-2	
cis-1,3-Dichloropropene	<2.0	ug/kg	2.0	1	04/17/18 06:00	04/17/18 10:46	10061-01-5	
trans-1,2-Dichloroethene	<2.0	ug/kg	2.0	1	04/17/18 06:00	04/17/18 10:46	156-60-5	
trans-1,3-Dichloropropene	<2.0	ug/kg	2.0	1	04/17/18 06:00	04/17/18 10:46	10061-02-6	
Surrogates								
Toluene-d8 (S)	91	%	43-157	1	04/17/18 06:00	04/17/18 10:46	2037-26-5	
4-Bromofluorobenzene (S)	94	%	34-145	1	04/17/18 06:00	04/17/18 10:46	460-00-4	
1,2-Dichloroethane-d4 (S)	105	%	33-150	1	04/17/18 06:00	04/17/18 10:46	17060-07-0	

Percent Moisture

Analytical Method: ASTM D2216-92M

Percent Moisture	20.3	%	0.10	1		04/10/18 17:48		
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ANALYTICAL RESULTS

Project: COYNE TEXTILE FACILITY

Pace Project No.: 7047606

Sample: SOIL - 100 **Lab ID: 7047606006** Collected: 04/06/18 10:40 Received: 04/07/18 11:55 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8081 GCS Pesticides Analytical Method: EPA 8081B Preparation Method: EPA 3546								
Aldrin	<2.1	ug/kg	2.1	1	04/12/18 19:23	04/14/18 23:04	309-00-2	
alpha-BHC	<2.1	ug/kg	2.1	1	04/12/18 19:23	04/14/18 23:04	319-84-6	
beta-BHC	<2.1	ug/kg	2.1	1	04/12/18 19:23	04/14/18 23:04	319-85-7	
delta-BHC	<2.1	ug/kg	2.1	1	04/12/18 19:23	04/14/18 23:04	319-86-8	
gamma-BHC (Lindane)	<2.1	ug/kg	2.1	1	04/12/18 19:23	04/14/18 23:04	58-89-9	
alpha-Chlordane	<2.1	ug/kg	2.1	1	04/12/18 19:23	04/14/18 23:04	5103-71-9	
gamma-Chlordane	<2.1	ug/kg	2.1	1	04/12/18 19:23	04/14/18 23:04	5103-74-2	
4,4'-DDD	<4.0	ug/kg	4.0	1	04/12/18 19:23	04/14/18 23:04	72-54-8	
4,4'-DDE	<4.0	ug/kg	4.0	1	04/12/18 19:23	04/14/18 23:04	72-55-9	
4,4'-DDT	<4.0	ug/kg	4.0	1	04/12/18 19:23	04/14/18 23:04	50-29-3	
Dieldrin	<4.0	ug/kg	4.0	1	04/12/18 19:23	04/14/18 23:04	60-57-1	
Endosulfan I	<2.1	ug/kg	2.1	1	04/12/18 19:23	04/14/18 23:04	959-98-8	
Endosulfan II	<4.0	ug/kg	4.0	1	04/12/18 19:23	04/14/18 23:04	33213-65-9	
Endosulfan sulfate	<4.0	ug/kg	4.0	1	04/12/18 19:23	04/14/18 23:04	1031-07-8	
Endrin	<4.0	ug/kg	4.0	1	04/12/18 19:23	04/14/18 23:04	72-20-8	
Endrin aldehyde	<4.0	ug/kg	4.0	1	04/12/18 19:23	04/14/18 23:04	7421-93-4	
Endrin ketone	<4.0	ug/kg	4.0	1	04/12/18 19:23	04/14/18 23:04	53494-70-5	
Heptachlor	<2.1	ug/kg	2.1	1	04/12/18 19:23	04/14/18 23:04	76-44-8	
Heptachlor epoxide	<2.1	ug/kg	2.1	1	04/12/18 19:23	04/14/18 23:04	1024-57-3	
Methoxychlor	<20.6	ug/kg	20.6	1	04/12/18 19:23	04/14/18 23:04	72-43-5	
Toxaphene	<206	ug/kg	206	1	04/12/18 19:23	04/14/18 23:04	8001-35-2	
Surrogates								
Tetrachloro-m-xylene (S)	73	%	30-150	1	04/12/18 19:23	04/14/18 23:04	877-09-8	
Decachlorobiphenyl (S)	80	%	30-150	1	04/12/18 19:23	04/14/18 23:04	2051-24-3	
8082 GCS PCB Analytical Method: EPA 8082A Preparation Method: EPA 3546								
PCB-1016 (Aroclor 1016)	<40.0	ug/kg	40.0	1	04/12/18 19:23	04/14/18 18:26	12674-11-2	
PCB-1221 (Aroclor 1221)	<81.2	ug/kg	81.2	1	04/12/18 19:23	04/14/18 18:26	11104-28-2	
PCB-1232 (Aroclor 1232)	<40.0	ug/kg	40.0	1	04/12/18 19:23	04/14/18 18:26	11141-16-5	
PCB-1242 (Aroclor 1242)	<40.0	ug/kg	40.0	1	04/12/18 19:23	04/14/18 18:26	53469-21-9	
PCB-1248 (Aroclor 1248)	<40.0	ug/kg	40.0	1	04/12/18 19:23	04/14/18 18:26	12672-29-6	
PCB-1254 (Aroclor 1254)	<40.0	ug/kg	40.0	1	04/12/18 19:23	04/14/18 18:26	11097-69-1	
PCB-1260 (Aroclor 1260)	<40.0	ug/kg	40.0	1	04/12/18 19:23	04/14/18 18:26	11096-82-5	
Surrogates								
Tetrachloro-m-xylene (S)	56	%	30-150	1	04/12/18 19:23	04/14/18 18:26	877-09-8	
Decachlorobiphenyl (S)	81	%	30-150	1	04/12/18 19:23	04/14/18 18:26	2051-24-3	
8270 MSSV Analytical Method: EPA 8270D Preparation Method: EPA 3545A								
1,2,4-Trichlorobenzene	<81.0	ug/kg	81.0	1	04/12/18 05:15	04/13/18 18:39	120-82-1	
2,2'-Oxybis(1-chloropropane)	<81.0	ug/kg	81.0	1	04/12/18 05:15	04/13/18 18:39	108-60-1	
2,4,5-Trichlorophenol	<81.0	ug/kg	81.0	1	04/12/18 05:15	04/13/18 18:39	95-95-4	
2,4,6-Trichlorophenol	<81.0	ug/kg	81.0	1	04/12/18 05:15	04/13/18 18:39	88-06-2	
2,4-Dichlorophenol	<81.0	ug/kg	81.0	1	04/12/18 05:15	04/13/18 18:39	120-83-2	
2,4-Dimethylphenol	<81.0	ug/kg	81.0	1	04/12/18 05:15	04/13/18 18:39	105-67-9	
2,4-Dinitrophenol	<81.0	ug/kg	81.0	1	04/12/18 05:15	04/13/18 18:39	51-28-5	
2,4-Dinitrotoluene	<399	ug/kg	399	1	04/12/18 05:15	04/13/18 18:39	121-14-2	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: COYNE TEXTILE FACILITY

Pace Project No.: 7047606

Sample: SOIL - 100 **Lab ID: 7047606006** Collected: 04/06/18 10:40 Received: 04/07/18 11:55 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Analytical Method: EPA 8270D Preparation Method: EPA 3545A								
2,6-Dinitrotoluene	<399	ug/kg	399	1	04/12/18 05:15	04/13/18 18:39	606-20-2	
2-Chloronaphthalene	<81.0	ug/kg	81.0	1	04/12/18 05:15	04/13/18 18:39	91-58-7	
2-Chlorophenol	<81.0	ug/kg	81.0	1	04/12/18 05:15	04/13/18 18:39	95-57-8	
2-Methylnaphthalene	<81.0	ug/kg	81.0	1	04/12/18 05:15	04/13/18 18:39	91-57-6	
2-Methylphenol(o-Cresol)	<81.0	ug/kg	81.0	1	04/12/18 05:15	04/13/18 18:39	95-48-7	
2-Nitroaniline	<399	ug/kg	399	1	04/12/18 05:15	04/13/18 18:39	88-74-4	
2-Nitrophenol	<399	ug/kg	399	1	04/12/18 05:15	04/13/18 18:39	88-75-5	
3&4-Methylphenol(m&p Cresol)	<81.0	ug/kg	81.0	1	04/12/18 05:15	04/13/18 18:39		
3,3'-Dichlorobenzidine	<399	ug/kg	399	1	04/12/18 05:15	04/13/18 18:39	91-94-1	
3-Nitroaniline	<399	ug/kg	399	1	04/12/18 05:15	04/13/18 18:39	99-09-2	
4,6-Dinitro-2-methylphenol	<81.0	ug/kg	81.0	1	04/12/18 05:15	04/13/18 18:39	534-52-1	
4-Bromophenylphenyl ether	<81.0	ug/kg	81.0	1	04/12/18 05:15	04/13/18 18:39	101-55-3	
4-Chloro-3-methylphenol	<81.0	ug/kg	81.0	1	04/12/18 05:15	04/13/18 18:39	59-50-7	
4-Chloroaniline	<399	ug/kg	399	1	04/12/18 05:15	04/13/18 18:39	106-47-8	
4-Chlorophenylphenyl ether	<81.0	ug/kg	81.0	1	04/12/18 05:15	04/13/18 18:39	7005-72-3	
4-Nitroaniline	<399	ug/kg	399	1	04/12/18 05:15	04/13/18 18:39	100-01-6	
4-Nitrophenol	<81.0	ug/kg	81.0	1	04/12/18 05:15	04/13/18 18:39	100-02-7	CL
Acenaphthene	<81.0	ug/kg	81.0	1	04/12/18 05:15	04/13/18 18:39	83-32-9	
Acenaphthylene	<81.0	ug/kg	81.0	1	04/12/18 05:15	04/13/18 18:39	208-96-8	
Acetophenone	<81.0	ug/kg	81.0	1	04/12/18 05:15	04/13/18 18:39	98-86-2	
Anthracene	<81.0	ug/kg	81.0	1	04/12/18 05:15	04/13/18 18:39	120-12-7	
Atrazine	<81.0	ug/kg	81.0	1	04/12/18 05:15	04/13/18 18:39	1912-24-9	
Benzaldehyde	<81.0	ug/kg	81.0	1	04/12/18 05:15	04/13/18 18:39	100-52-7	IC,IL
Benzo(a)anthracene	<81.0	ug/kg	81.0	1	04/12/18 05:15	04/13/18 18:39	56-55-3	
Benzo(a)pyrene	<81.0	ug/kg	81.0	1	04/12/18 05:15	04/13/18 18:39	50-32-8	
Benzo(b)fluoranthene	<81.0	ug/kg	81.0	1	04/12/18 05:15	04/13/18 18:39	205-99-2	
Benzo(g,h,i)perylene	<81.0	ug/kg	81.0	1	04/12/18 05:15	04/13/18 18:39	191-24-2	
Benzo(k)fluoranthene	<81.0	ug/kg	81.0	1	04/12/18 05:15	04/13/18 18:39	207-08-9	
Biphenyl (Diphenyl)	<81.0	ug/kg	81.0	1	04/12/18 05:15	04/13/18 18:39	92-52-4	
Butylbenzylphthalate	<81.0	ug/kg	81.0	1	04/12/18 05:15	04/13/18 18:39	85-68-7	
Caprolactam	<81.0	ug/kg	81.0	1	04/12/18 05:15	04/13/18 18:39	105-60-2	
Carbazole	<81.0	ug/kg	81.0	1	04/12/18 05:15	04/13/18 18:39	86-74-8	
Chrysene	<81.0	ug/kg	81.0	1	04/12/18 05:15	04/13/18 18:39	218-01-9	
Di-n-butylphthalate	<81.0	ug/kg	81.0	1	04/12/18 05:15	04/13/18 18:39	84-74-2	
Di-n-octylphthalate	<81.0	ug/kg	81.0	1	04/12/18 05:15	04/13/18 18:39	117-84-0	
Dibenz(a,h)anthracene	<81.0	ug/kg	81.0	1	04/12/18 05:15	04/13/18 18:39	53-70-3	
Dibenzofuran	<81.0	ug/kg	81.0	1	04/12/18 05:15	04/13/18 18:39	132-64-9	
Diethylphthalate	<81.0	ug/kg	81.0	1	04/12/18 05:15	04/13/18 18:39	84-66-2	
Dimethylphthalate	<81.0	ug/kg	81.0	1	04/12/18 05:15	04/13/18 18:39	131-11-3	
Fluoranthene	<81.0	ug/kg	81.0	1	04/12/18 05:15	04/13/18 18:39	206-44-0	
Fluorene	<81.0	ug/kg	81.0	1	04/12/18 05:15	04/13/18 18:39	86-73-7	
Hexachloro-1,3-butadiene	<81.0	ug/kg	81.0	1	04/12/18 05:15	04/13/18 18:39	87-68-3	
Hexachlorobenzene	<81.0	ug/kg	81.0	1	04/12/18 05:15	04/13/18 18:39	118-74-1	
Hexachlorocyclopentadiene	<399	ug/kg	399	1	04/12/18 05:15	04/13/18 18:39	77-47-4	CL
Hexachloroethane	<81.0	ug/kg	81.0	1	04/12/18 05:15	04/13/18 18:39	67-72-1	
Indeno(1,2,3-cd)pyrene	<81.0	ug/kg	81.0	1	04/12/18 05:15	04/13/18 18:39	193-39-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: COYNE TEXTILE FACILITY

Pace Project No.: 7047606

Sample: **SOIL - 100** Lab ID: **7047606006** Collected: 04/06/18 10:40 Received: 04/07/18 11:55 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Analytical Method: EPA 8270D Preparation Method: EPA 3545A								
Isophorone	<81.0	ug/kg	81.0	1	04/12/18 05:15	04/13/18 18:39	78-59-1	
N-Nitroso-di-n-propylamine	<81.0	ug/kg	81.0	1	04/12/18 05:15	04/13/18 18:39	621-64-7	
N-Nitrosodiphenylamine	<81.0	ug/kg	81.0	1	04/12/18 05:15	04/13/18 18:39	86-30-6	
Naphthalene	<81.0	ug/kg	81.0	1	04/12/18 05:15	04/13/18 18:39	91-20-3	
Nitrobenzene	<81.0	ug/kg	81.0	1	04/12/18 05:15	04/13/18 18:39	98-95-3	
Pentachlorophenol	<81.0	ug/kg	81.0	1	04/12/18 05:15	04/13/18 18:39	87-86-5	CL
Phenanthrene	<81.0	ug/kg	81.0	1	04/12/18 05:15	04/13/18 18:39	85-01-8	
Phenol	<81.0	ug/kg	81.0	1	04/12/18 05:15	04/13/18 18:39	108-95-2	
Pyrene	<81.0	ug/kg	81.0	1	04/12/18 05:15	04/13/18 18:39	129-00-0	
bis(2-Chloroethoxy)methane	<81.0	ug/kg	81.0	1	04/12/18 05:15	04/13/18 18:39	111-91-1	
bis(2-Chloroethyl) ether	<81.0	ug/kg	81.0	1	04/12/18 05:15	04/13/18 18:39	111-44-4	
bis(2-Ethylhexyl)phthalate	<81.0	ug/kg	81.0	1	04/12/18 05:15	04/13/18 18:39	117-81-7	
Surrogates								
Nitrobenzene-d5 (S)	7	%	23-120	1	04/12/18 05:15	04/13/18 18:39	4165-60-0	S0
2-Fluorobiphenyl (S)	61	%	30-115	1	04/12/18 05:15	04/13/18 18:39	321-60-8	
p-Terphenyl-d14 (S)	98	%	18-137	1	04/12/18 05:15	04/13/18 18:39	1718-51-0	
Phenol-d5 (S)	60	%	24-113	1	04/12/18 05:15	04/13/18 18:39	4165-62-2	
2-Fluorophenol (S)	59	%	25-121	1	04/12/18 05:15	04/13/18 18:39	367-12-4	
2,4,6-Tribromophenol (S)	55	%	19-122	1	04/12/18 05:15	04/13/18 18:39	118-79-6	
2-Chlorophenol-d4 (S)	58	%	20-130	1	04/12/18 05:15	04/13/18 18:39	93951-73-6	
1,2-Dichlorobenzene-d4 (S)	53	%	20-130	1	04/12/18 05:15	04/13/18 18:39	2199-69-1	
8260C MSV 5035A-L Low Level Analytical Method: EPA 8260C Preparation Method: EPA 5035A-L								
1,1,1-Trichloroethane	<2.0	ug/kg	2.0	1	04/17/18 06:00	04/17/18 11:09	71-55-6	
1,1,2,2-Tetrachloroethane	<2.0	ug/kg	2.0	1	04/17/18 06:00	04/17/18 11:09	79-34-5	
1,1,2-Trichloroethane	<2.0	ug/kg	2.0	1	04/17/18 06:00	04/17/18 11:09	79-00-5	
1,1,2-Trichlorotrifluoroethane	<2.0	ug/kg	2.0	1	04/17/18 06:00	04/17/18 11:09	76-13-1	
1,1-Dichloroethane	<2.0	ug/kg	2.0	1	04/17/18 06:00	04/17/18 11:09	75-34-3	
1,1-Dichloroethene	<2.0	ug/kg	2.0	1	04/17/18 06:00	04/17/18 11:09	75-35-4	
1,2,4-Trichlorobenzene	<2.0	ug/kg	2.0	1	04/17/18 06:00	04/17/18 11:09	120-82-1	
1,2-Dibromo-3-chloropropane	<2.0	ug/kg	2.0	1	04/17/18 06:00	04/17/18 11:09	96-12-8	
1,2-Dibromoethane (EDB)	<2.0	ug/kg	2.0	1	04/17/18 06:00	04/17/18 11:09	106-93-4	
1,2-Dichlorobenzene	<2.0	ug/kg	2.0	1	04/17/18 06:00	04/17/18 11:09	95-50-1	
1,2-Dichloroethane	<2.0	ug/kg	2.0	1	04/17/18 06:00	04/17/18 11:09	107-06-2	
1,2-Dichloropropane	<2.0	ug/kg	2.0	1	04/17/18 06:00	04/17/18 11:09	78-87-5	
1,3-Dichlorobenzene	<2.0	ug/kg	2.0	1	04/17/18 06:00	04/17/18 11:09	541-73-1	
1,4-Dichlorobenzene	<2.0	ug/kg	2.0	1	04/17/18 06:00	04/17/18 11:09	106-46-7	
2-Butanone (MEK)	14.1	ug/kg	2.0	1	04/17/18 06:00	04/17/18 11:09	78-93-3	
2-Hexanone	<2.0	ug/kg	2.0	1	04/17/18 06:00	04/17/18 11:09	591-78-6	
4-Methyl-2-pentanone (MIBK)	<2.0	ug/kg	2.0	1	04/17/18 06:00	04/17/18 11:09	108-10-1	
Acetone	54.0	ug/kg	2.0	1	04/17/18 06:00	04/17/18 11:09	67-64-1	CL,IH
Benzene	<2.0	ug/kg	2.0	1	04/17/18 06:00	04/17/18 11:09	71-43-2	
Bromodichloromethane	<2.0	ug/kg	2.0	1	04/17/18 06:00	04/17/18 11:09	75-27-4	
Bromoform	<2.0	ug/kg	2.0	1	04/17/18 06:00	04/17/18 11:09	75-25-2	
Bromomethane	<2.0	ug/kg	2.0	1	04/17/18 06:00	04/17/18 11:09	74-83-9	
Carbon disulfide	<2.0	ug/kg	2.0	1	04/17/18 06:00	04/17/18 11:09	75-15-0	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: COYNE TEXTILE FACILITY

Pace Project No.: 7047606

Sample: SOIL - 100 **Lab ID: 7047606006** Collected: 04/06/18 10:40 Received: 04/07/18 11:55 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260C MSV 5035A-L Low Level		Analytical Method: EPA 8260C Preparation Method: EPA 5035A-L						
Carbon tetrachloride	<2.0	ug/kg	2.0	1	04/17/18 06:00	04/17/18 11:09	56-23-5	CL
Chlorobenzene	<2.0	ug/kg	2.0	1	04/17/18 06:00	04/17/18 11:09	108-90-7	
Chloroethane	<2.0	ug/kg	2.0	1	04/17/18 06:00	04/17/18 11:09	75-00-3	
Chloroform	<2.0	ug/kg	2.0	1	04/17/18 06:00	04/17/18 11:09	67-66-3	
Chloromethane	<2.0	ug/kg	2.0	1	04/17/18 06:00	04/17/18 11:09	74-87-3	
Cyclohexane	<2.0	ug/kg	2.0	1	04/17/18 06:00	04/17/18 11:09	110-82-7	
Dibromochloromethane	<2.0	ug/kg	2.0	1	04/17/18 06:00	04/17/18 11:09	124-48-1	
Dichlorodifluoromethane	<2.0	ug/kg	2.0	1	04/17/18 06:00	04/17/18 11:09	75-71-8	CL
Ethylbenzene	<2.0	ug/kg	2.0	1	04/17/18 06:00	04/17/18 11:09	100-41-4	
Isopropylbenzene (Cumene)	<2.0	ug/kg	2.0	1	04/17/18 06:00	04/17/18 11:09	98-82-8	
Methyl acetate	<2.0	ug/kg	2.0	1	04/17/18 06:00	04/17/18 11:09	79-20-9	
Methyl-tert-butyl ether	<2.0	ug/kg	2.0	1	04/17/18 06:00	04/17/18 11:09	1634-04-4	
Methylcyclohexane	4.0	ug/kg	2.0	1	04/17/18 06:00	04/17/18 11:09	108-87-2	
Methylene Chloride	<2.0	ug/kg	2.0	1	04/17/18 06:00	04/17/18 11:09	75-09-2	
Styrene	<2.0	ug/kg	2.0	1	04/17/18 06:00	04/17/18 11:09	100-42-5	
Tetrachloroethene	<2.0	ug/kg	2.0	1	04/17/18 06:00	04/17/18 11:09	127-18-4	
Toluene	3.2	ug/kg	2.0	1	04/17/18 06:00	04/17/18 11:09	108-88-3	CH
Trichloroethene	<2.0	ug/kg	2.0	1	04/17/18 06:00	04/17/18 11:09	79-01-6	
Trichlorofluoromethane	<2.0	ug/kg	2.0	1	04/17/18 06:00	04/17/18 11:09	75-69-4	
Vinyl chloride	<2.0	ug/kg	2.0	1	04/17/18 06:00	04/17/18 11:09	75-01-4	
Xylene (Total)	<4.0	ug/kg	4.0	1	04/17/18 06:00	04/17/18 11:09	1330-20-7	
cis-1,2-Dichloroethene	<2.0	ug/kg	2.0	1	04/17/18 06:00	04/17/18 11:09	156-59-2	
cis-1,3-Dichloropropene	<2.0	ug/kg	2.0	1	04/17/18 06:00	04/17/18 11:09	10061-01-5	
trans-1,2-Dichloroethene	<2.0	ug/kg	2.0	1	04/17/18 06:00	04/17/18 11:09	156-60-5	
trans-1,3-Dichloropropene	<2.0	ug/kg	2.0	1	04/17/18 06:00	04/17/18 11:09	10061-02-6	
Surrogates								
Toluene-d8 (S)	82	%	43-157	1	04/17/18 06:00	04/17/18 11:09	2037-26-5	
4-Bromofluorobenzene (S)	103	%	34-145	1	04/17/18 06:00	04/17/18 11:09	460-00-4	
1,2-Dichloroethane-d4 (S)	107	%	33-150	1	04/17/18 06:00	04/17/18 11:09	17060-07-0	

Percent Moisture

Analytical Method: ASTM D2216-92M

Percent Moisture	17.5	%	0.10	1		04/10/18 17:48		
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REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: COYNE TEXTILE FACILITY

Pace Project No.: 7047606

Sample: SOIL - 102 Lab ID: 7047606007 Collected: 04/06/18 11:20 Received: 04/07/18 11:55 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8082 GCS PCB								
Analytical Method: EPA 8082A Preparation Method: EPA 3546								
PCB-1016 (Aroclor 1016)	<40.6	ug/kg	40.6	1	04/16/18 17:43	04/18/18 00:10	12674-11-2	
PCB-1221 (Aroclor 1221)	<82.4	ug/kg	82.4	1	04/16/18 17:43	04/18/18 00:10	11104-28-2	
PCB-1232 (Aroclor 1232)	<40.6	ug/kg	40.6	1	04/16/18 17:43	04/18/18 00:10	11141-16-5	
PCB-1242 (Aroclor 1242)	<40.6	ug/kg	40.6	1	04/16/18 17:43	04/18/18 00:10	53469-21-9	
PCB-1248 (Aroclor 1248)	<40.6	ug/kg	40.6	1	04/16/18 17:43	04/18/18 00:10	12672-29-6	
PCB-1254 (Aroclor 1254)	<40.6	ug/kg	40.6	1	04/16/18 17:43	04/18/18 00:10	11097-69-1	
PCB-1260 (Aroclor 1260)	<40.6	ug/kg	40.6	1	04/16/18 17:43	04/18/18 00:10	11096-82-5	
Surrogates								
Tetrachloro-m-xylene (S)	48	%	30-150	1	04/16/18 17:43	04/18/18 00:10	877-09-8	
Decachlorobiphenyl (S)	36	%	30-150	1	04/16/18 17:43	04/18/18 00:10	2051-24-3	
6010 MET ICP								
Analytical Method: EPA 6010C Preparation Method: EPA 3050B								
Aluminum	4510	mg/kg	11.9	1	04/10/18 09:28	04/11/18 00:59	7429-90-5	
Antimony	<3.6	mg/kg	3.6	1	04/10/18 09:28	04/11/18 00:59	7440-36-0	
Arsenic	3.4	mg/kg	0.60	1	04/10/18 09:28	04/11/18 00:59	7440-38-2	
Barium	42.1	mg/kg	11.9	1	04/10/18 09:28	04/11/18 00:59	7440-39-3	
Beryllium	<0.30	mg/kg	0.30	1	04/10/18 09:28	04/11/18 00:59	7440-41-7	
Cadmium	0.43	mg/kg	0.15	1	04/10/18 09:28	04/11/18 00:59	7440-43-9	
Calcium	74500	mg/kg	596	10	04/10/18 09:28	04/11/18 13:04	7440-70-2	
Chromium	5.8	mg/kg	0.60	1	04/10/18 09:28	04/11/18 00:59	7440-47-3	
Cobalt	4.6	mg/kg	3.0	1	04/10/18 09:28	04/11/18 00:59	7440-48-4	
Copper	7.6	mg/kg	1.5	1	04/10/18 09:28	04/11/18 00:59	7440-50-8	
Iron	13500	mg/kg	6.0	1	04/10/18 09:28	04/11/18 00:59	7439-89-6	
Lead	5.3	mg/kg	0.30	1	04/10/18 09:28	04/11/18 00:59	7439-92-1	
Magnesium	11500	mg/kg	59.6	1	04/10/18 09:28	04/11/18 00:59	7439-95-4	
Manganese	316	mg/kg	0.89	1	04/10/18 09:28	04/11/18 00:59	7439-96-5	
Nickel	11.2	mg/kg	2.4	1	04/10/18 09:28	04/11/18 00:59	7440-02-0	
Potassium	755	mg/kg	298	1	04/10/18 09:28	04/11/18 00:59	7440-09-7	
Selenium	<0.60	mg/kg	0.60	1	04/10/18 09:28	04/11/18 00:59	7782-49-2	
Silver	<0.60	mg/kg	0.60	1	04/10/18 09:28	04/11/18 00:59	7440-22-4	
Sodium	<298	mg/kg	298	1	04/10/18 09:28	04/11/18 00:59	7440-23-5	
Thallium	<0.60	mg/kg	0.60	1	04/10/18 09:28	04/11/18 00:59	7440-28-0	
Vanadium	10.5	mg/kg	3.0	1	04/10/18 09:28	04/11/18 00:59	7440-62-2	
Zinc	27.1	mg/kg	1.2	1	04/10/18 09:28	04/11/18 00:59	7440-66-6	
8270 MSSV								
Analytical Method: EPA 8270D Preparation Method: EPA 3545A								
1,2,4-Trichlorobenzene	<82.1	ug/kg	82.1	1	04/12/18 05:15	04/13/18 19:08	120-82-1	
2,2'-Oxybis(1-chloropropane)	<82.1	ug/kg	82.1	1	04/12/18 05:15	04/13/18 19:08	108-60-1	
2,4,5-Trichlorophenol	<82.1	ug/kg	82.1	1	04/12/18 05:15	04/13/18 19:08	95-95-4	
2,4,6-Trichlorophenol	<82.1	ug/kg	82.1	1	04/12/18 05:15	04/13/18 19:08	88-06-2	
2,4-Dichlorophenol	<82.1	ug/kg	82.1	1	04/12/18 05:15	04/13/18 19:08	120-83-2	
2,4-Dimethylphenol	<82.1	ug/kg	82.1	1	04/12/18 05:15	04/13/18 19:08	105-67-9	
2,4-Dinitrophenol	<82.1	ug/kg	82.1	1	04/12/18 05:15	04/13/18 19:08	51-28-5	
2,4-Dinitrotoluene	<404	ug/kg	404	1	04/12/18 05:15	04/13/18 19:08	121-14-2	
2,6-Dinitrotoluene	<404	ug/kg	404	1	04/12/18 05:15	04/13/18 19:08	606-20-2	
2-Chloronaphthalene	<82.1	ug/kg	82.1	1	04/12/18 05:15	04/13/18 19:08	91-58-7	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: COYNE TEXTILE FACILITY

Pace Project No.: 7047606

Sample: SOIL - 102 **Lab ID: 7047606007** Collected: 04/06/18 11:20 Received: 04/07/18 11:55 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Analytical Method: EPA 8270D Preparation Method: EPA 3545A								
2-Chlorophenol	<82.1	ug/kg	82.1	1	04/12/18 05:15	04/13/18 19:08	95-57-8	
2-Methylnaphthalene	1810	ug/kg	82.1	1	04/12/18 05:15	04/13/18 19:08	91-57-6	
2-Methylphenol(o-Cresol)	<82.1	ug/kg	82.1	1	04/12/18 05:15	04/13/18 19:08	95-48-7	
2-Nitroaniline	<404	ug/kg	404	1	04/12/18 05:15	04/13/18 19:08	88-74-4	
2-Nitrophenol	<404	ug/kg	404	1	04/12/18 05:15	04/13/18 19:08	88-75-5	
3&4-Methylphenol(m&p Cresol)	<82.1	ug/kg	82.1	1	04/12/18 05:15	04/13/18 19:08		
3,3'-Dichlorobenzidine	<404	ug/kg	404	1	04/12/18 05:15	04/13/18 19:08	91-94-1	
3-Nitroaniline	<404	ug/kg	404	1	04/12/18 05:15	04/13/18 19:08	99-09-2	
4,6-Dinitro-2-methylphenol	<82.1	ug/kg	82.1	1	04/12/18 05:15	04/13/18 19:08	534-52-1	
4-Bromophenylphenyl ether	<82.1	ug/kg	82.1	1	04/12/18 05:15	04/13/18 19:08	101-55-3	
4-Chloro-3-methylphenol	<82.1	ug/kg	82.1	1	04/12/18 05:15	04/13/18 19:08	59-50-7	
4-Chloroaniline	<404	ug/kg	404	1	04/12/18 05:15	04/13/18 19:08	106-47-8	
4-Chlorophenylphenyl ether	<82.1	ug/kg	82.1	1	04/12/18 05:15	04/13/18 19:08	7005-72-3	
4-Nitroaniline	<404	ug/kg	404	1	04/12/18 05:15	04/13/18 19:08	100-01-6	
4-Nitrophenol	<82.1	ug/kg	82.1	1	04/12/18 05:15	04/13/18 19:08	100-02-7	CL
Acenaphthene	<82.1	ug/kg	82.1	1	04/12/18 05:15	04/13/18 19:08	83-32-9	
Acenaphthylene	<82.1	ug/kg	82.1	1	04/12/18 05:15	04/13/18 19:08	208-96-8	
Acetophenone	<82.1	ug/kg	82.1	1	04/12/18 05:15	04/13/18 19:08	98-86-2	
Anthracene	<82.1	ug/kg	82.1	1	04/12/18 05:15	04/13/18 19:08	120-12-7	
Atrazine	<82.1	ug/kg	82.1	1	04/12/18 05:15	04/13/18 19:08	1912-24-9	
Benzaldehyde	<82.1	ug/kg	82.1	1	04/12/18 05:15	04/13/18 19:08	100-52-7	IC,IL
Benzo(a)anthracene	<82.1	ug/kg	82.1	1	04/12/18 05:15	04/13/18 19:08	56-55-3	
Benzo(a)pyrene	<82.1	ug/kg	82.1	1	04/12/18 05:15	04/13/18 19:08	50-32-8	
Benzo(b)fluoranthene	<82.1	ug/kg	82.1	1	04/12/18 05:15	04/13/18 19:08	205-99-2	
Benzo(g,h,i)perylene	<82.1	ug/kg	82.1	1	04/12/18 05:15	04/13/18 19:08	191-24-2	
Benzo(k)fluoranthene	<82.1	ug/kg	82.1	1	04/12/18 05:15	04/13/18 19:08	207-08-9	
Biphenyl (Diphenyl)	<82.1	ug/kg	82.1	1	04/12/18 05:15	04/13/18 19:08	92-52-4	
Butylbenzylphthalate	<82.1	ug/kg	82.1	1	04/12/18 05:15	04/13/18 19:08	85-68-7	
Caprolactam	<82.1	ug/kg	82.1	1	04/12/18 05:15	04/13/18 19:08	105-60-2	
Carbazole	<82.1	ug/kg	82.1	1	04/12/18 05:15	04/13/18 19:08	86-74-8	
Chrysene	<82.1	ug/kg	82.1	1	04/12/18 05:15	04/13/18 19:08	218-01-9	
Di-n-butylphthalate	<82.1	ug/kg	82.1	1	04/12/18 05:15	04/13/18 19:08	84-74-2	
Di-n-octylphthalate	<82.1	ug/kg	82.1	1	04/12/18 05:15	04/13/18 19:08	117-84-0	
Dibenz(a,h)anthracene	<82.1	ug/kg	82.1	1	04/12/18 05:15	04/13/18 19:08	53-70-3	
Dibenzofuran	<82.1	ug/kg	82.1	1	04/12/18 05:15	04/13/18 19:08	132-64-9	
Diethylphthalate	<82.1	ug/kg	82.1	1	04/12/18 05:15	04/13/18 19:08	84-66-2	
Dimethylphthalate	<82.1	ug/kg	82.1	1	04/12/18 05:15	04/13/18 19:08	131-11-3	
Fluoranthene	<82.1	ug/kg	82.1	1	04/12/18 05:15	04/13/18 19:08	206-44-0	
Fluorene	<82.1	ug/kg	82.1	1	04/12/18 05:15	04/13/18 19:08	86-73-7	
Hexachloro-1,3-butadiene	<82.1	ug/kg	82.1	1	04/12/18 05:15	04/13/18 19:08	87-68-3	
Hexachlorobenzene	<82.1	ug/kg	82.1	1	04/12/18 05:15	04/13/18 19:08	118-74-1	
Hexachlorocyclopentadiene	<404	ug/kg	404	1	04/12/18 05:15	04/13/18 19:08	77-47-4	CL
Hexachloroethane	<82.1	ug/kg	82.1	1	04/12/18 05:15	04/13/18 19:08	67-72-1	
Indeno(1,2,3-cd)pyrene	<82.1	ug/kg	82.1	1	04/12/18 05:15	04/13/18 19:08	193-39-5	
Isophorone	<82.1	ug/kg	82.1	1	04/12/18 05:15	04/13/18 19:08	78-59-1	
N-Nitroso-di-n-propylamine	<82.1	ug/kg	82.1	1	04/12/18 05:15	04/13/18 19:08	621-64-7	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: COYNE TEXTILE FACILITY

Pace Project No.: 7047606

Sample: SOIL - 102 **Lab ID: 7047606007** Collected: 04/06/18 11:20 Received: 04/07/18 11:55 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Analytical Method: EPA 8270D Preparation Method: EPA 3545A								
N-Nitrosodiphenylamine	<82.1	ug/kg	82.1	1	04/12/18 05:15	04/13/18 19:08	86-30-6	
Naphthalene	1790	ug/kg	82.1	1	04/12/18 05:15	04/13/18 19:08	91-20-3	
Nitrobenzene	<82.1	ug/kg	82.1	1	04/12/18 05:15	04/13/18 19:08	98-95-3	
Pentachlorophenol	<821	ug/kg	821	1	04/12/18 05:15	04/13/18 19:08	87-86-5	CL
Phenanthrene	108	ug/kg	82.1	1	04/12/18 05:15	04/13/18 19:08	85-01-8	
Phenol	<82.1	ug/kg	82.1	1	04/12/18 05:15	04/13/18 19:08	108-95-2	
Pyrene	<82.1	ug/kg	82.1	1	04/12/18 05:15	04/13/18 19:08	129-00-0	
bis(2-Chloroethoxy)methane	<82.1	ug/kg	82.1	1	04/12/18 05:15	04/13/18 19:08	111-91-1	
bis(2-Chloroethyl) ether	<82.1	ug/kg	82.1	1	04/12/18 05:15	04/13/18 19:08	111-44-4	
bis(2-Ethylhexyl)phthalate	<82.1	ug/kg	82.1	1	04/12/18 05:15	04/13/18 19:08	117-81-7	
Surrogates								
Nitrobenzene-d5 (S)	81	%	23-120	1	04/12/18 05:15	04/13/18 19:08	4165-60-0	
2-Fluorobiphenyl (S)	76	%	30-115	1	04/12/18 05:15	04/13/18 19:08	321-60-8	
p-Terphenyl-d14 (S)	92	%	18-137	1	04/12/18 05:15	04/13/18 19:08	1718-51-0	
Phenol-d5 (S)	92	%	24-113	1	04/12/18 05:15	04/13/18 19:08	4165-62-2	
2-Fluorophenol (S)	82	%	25-121	1	04/12/18 05:15	04/13/18 19:08	367-12-4	
2,4,6-Tribromophenol (S)	58	%	19-122	1	04/12/18 05:15	04/13/18 19:08	118-79-6	
2-Chlorophenol-d4 (S)	66	%	20-130	1	04/12/18 05:15	04/13/18 19:08	93951-73-6	
1,2-Dichlorobenzene-d4 (S)	70	%	20-130	1	04/12/18 05:15	04/13/18 19:08	2199-69-1	

8260 MSV 5035A-H Med Level

Analytical Method: EPA 8260C Preparation Method: EPA 5035A-H/5030C

Acetone	<872	ug/kg	872	10.3	04/12/18 06:51	04/12/18 15:49	67-64-1	
Benzene	<872	ug/kg	872	10.3	04/12/18 06:51	04/12/18 15:49	71-43-2	
Bromodichloromethane	<872	ug/kg	872	10.3	04/12/18 06:51	04/12/18 15:49	75-27-4	
Bromoform	<872	ug/kg	872	10.3	04/12/18 06:51	04/12/18 15:49	75-25-2	
Bromomethane	<872	ug/kg	872	10.3	04/12/18 06:51	04/12/18 15:49	74-83-9	L2
2-Butanone (MEK)	<872	ug/kg	872	10.3	04/12/18 06:51	04/12/18 15:49	78-93-3	L1
Carbon disulfide	<872	ug/kg	872	10.3	04/12/18 06:51	04/12/18 15:49	75-15-0	
Carbon tetrachloride	<872	ug/kg	872	10.3	04/12/18 06:51	04/12/18 15:49	56-23-5	
Chlorobenzene	<872	ug/kg	872	10.3	04/12/18 06:51	04/12/18 15:49	108-90-7	
Chloroethane	<872	ug/kg	872	10.3	04/12/18 06:51	04/12/18 15:49	75-00-3	L2
Chloroform	<872	ug/kg	872	10.3	04/12/18 06:51	04/12/18 15:49	67-66-3	
Chloromethane	<872	ug/kg	872	10.3	04/12/18 06:51	04/12/18 15:49	74-87-3	
Cyclohexane	<872	ug/kg	872	10.3	04/12/18 06:51	04/12/18 15:49	110-82-7	
1,2-Dibromo-3-chloropropane	<872	ug/kg	872	10.3	04/12/18 06:51	04/12/18 15:49	96-12-8	
Dibromochloromethane	<872	ug/kg	872	10.3	04/12/18 06:51	04/12/18 15:49	124-48-1	
1,2-Dibromoethane (EDB)	<872	ug/kg	872	10.3	04/12/18 06:51	04/12/18 15:49	106-93-4	
1,2-Dichlorobenzene	<872	ug/kg	872	10.3	04/12/18 06:51	04/12/18 15:49	95-50-1	
1,3-Dichlorobenzene	<872	ug/kg	872	10.3	04/12/18 06:51	04/12/18 15:49	541-73-1	
1,4-Dichlorobenzene	<872	ug/kg	872	10.3	04/12/18 06:51	04/12/18 15:49	106-46-7	
Dichlorodifluoromethane	<872	ug/kg	872	10.3	04/12/18 06:51	04/12/18 15:49	75-71-8	CL
1,1-Dichloroethane	<872	ug/kg	872	10.3	04/12/18 06:51	04/12/18 15:49	75-34-3	
1,2-Dichloroethane	<872	ug/kg	872	10.3	04/12/18 06:51	04/12/18 15:49	107-06-2	
1,1-Dichloroethene	<872	ug/kg	872	10.3	04/12/18 06:51	04/12/18 15:49	75-35-4	
cis-1,2-Dichloroethene	<872	ug/kg	872	10.3	04/12/18 06:51	04/12/18 15:49	156-59-2	
trans-1,2-Dichloroethene	<872	ug/kg	872	10.3	04/12/18 06:51	04/12/18 15:49	156-60-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: COYNE TEXTILE FACILITY

Pace Project No.: 7047606

Sample: SOIL - 102 **Lab ID: 7047606007** Collected: 04/06/18 11:20 Received: 04/07/18 11:55 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035A-H Med Level		Analytical Method: EPA 8260C Preparation Method: EPA 5035A-H/5030C						
1,2-Dichloropropane	<872	ug/kg	872	10.3	04/12/18 06:51	04/12/18 15:49	78-87-5	
cis-1,3-Dichloropropene	<872	ug/kg	872	10.3	04/12/18 06:51	04/12/18 15:49	10061-01-5	
trans-1,3-Dichloropropene	<872	ug/kg	872	10.3	04/12/18 06:51	04/12/18 15:49	10061-02-6	
Ethylbenzene	<872	ug/kg	872	10.3	04/12/18 06:51	04/12/18 15:49	100-41-4	
2-Hexanone	<872	ug/kg	872	10.3	04/12/18 06:51	04/12/18 15:49	591-78-6	
Isopropylbenzene (Cumene)	3870	ug/kg	872	10.3	04/12/18 06:51	04/12/18 15:49	98-82-8	
Methyl acetate	<872	ug/kg	872	10.3	04/12/18 06:51	04/12/18 15:49	79-20-9	
Methylene Chloride	<872	ug/kg	872	10.3	04/12/18 06:51	04/12/18 15:49	75-09-2	
4-Methyl-2-pentanone (MIBK)	<872	ug/kg	872	10.3	04/12/18 06:51	04/12/18 15:49	108-10-1	
Methyl-tert-butyl ether	<872	ug/kg	872	10.3	04/12/18 06:51	04/12/18 15:49	1634-04-4	
Styrene	<872	ug/kg	872	10.3	04/12/18 06:51	04/12/18 15:49	100-42-5	
1,1,2,2-Tetrachloroethane	<872	ug/kg	872	10.3	04/12/18 06:51	04/12/18 15:49	79-34-5	
Tetrachloroethene	<872	ug/kg	872	10.3	04/12/18 06:51	04/12/18 15:49	127-18-4	
Toluene	<872	ug/kg	872	10.3	04/12/18 06:51	04/12/18 15:49	108-88-3	
1,2,4-Trichlorobenzene	<872	ug/kg	872	10.3	04/12/18 06:51	04/12/18 15:49	120-82-1	
1,1,1-Trichloroethane	<872	ug/kg	872	10.3	04/12/18 06:51	04/12/18 15:49	71-55-6	
1,1,2-Trichloroethane	<872	ug/kg	872	10.3	04/12/18 06:51	04/12/18 15:49	79-00-5	L2
Trichloroethene	<872	ug/kg	872	10.3	04/12/18 06:51	04/12/18 15:49	79-01-6	
Trichlorofluoromethane	<872	ug/kg	872	10.3	04/12/18 06:51	04/12/18 15:49	75-69-4	L2
1,1,2-Trichlorotrifluoroethane	<872	ug/kg	872	10.3	04/12/18 06:51	04/12/18 15:49	76-13-1	
Vinyl chloride	<872	ug/kg	872	10.3	04/12/18 06:51	04/12/18 15:49	75-01-4	
Xylene (Total)	<1740	ug/kg	1740	10.3	04/12/18 06:51	04/12/18 15:49	1330-20-7	
Surrogates								
Toluene-d8 (S)	88	%	43-157	10.3	04/12/18 06:51	04/12/18 15:49	2037-26-5	
4-Bromofluorobenzene (S)	129	%	34-145	10.3	04/12/18 06:51	04/12/18 15:49	460-00-4	
1,2-Dichloroethane-d4 (S)	111	%	33-150	10.3	04/12/18 06:51	04/12/18 15:49	17060-07-0	
Percent Moisture		Analytical Method: ASTM D2216-92M						
Percent Moisture	18.8	%	0.10	1		04/10/18 17:49		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: COYNE TEXTILE FACILITY

Pace Project No.: 7047606

Sample: **SOIL - MS 101** Lab ID: **7047606008** Collected: 04/06/18 15:10 Received: 04/07/18 11:55 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8082 GCS PCB Analytical Method: EPA 8082A Preparation Method: EPA 3546								
PCB-1016 (Aroclor 1016)	<44.9	ug/kg	44.9	1	04/12/18 19:23	04/14/18 18:52	12674-11-2	
PCB-1221 (Aroclor 1221)	<91.2	ug/kg	91.2	1	04/12/18 19:23	04/14/18 18:52	11104-28-2	
PCB-1232 (Aroclor 1232)	<44.9	ug/kg	44.9	1	04/12/18 19:23	04/14/18 18:52	11141-16-5	
PCB-1242 (Aroclor 1242)	<44.9	ug/kg	44.9	1	04/12/18 19:23	04/14/18 18:52	53469-21-9	
PCB-1248 (Aroclor 1248)	<44.9	ug/kg	44.9	1	04/12/18 19:23	04/14/18 18:52	12672-29-6	
PCB-1254 (Aroclor 1254)	<44.9	ug/kg	44.9	1	04/12/18 19:23	04/14/18 18:52	11097-69-1	
PCB-1260 (Aroclor 1260)	<44.9	ug/kg	44.9	1	04/12/18 19:23	04/14/18 18:52	11096-82-5	
Surrogates								
Tetrachloro-m-xylene (S)	49	%	30-150	1	04/12/18 19:23	04/14/18 18:52	877-09-8	
Decachlorobiphenyl (S)	49	%	30-150	1	04/12/18 19:23	04/14/18 18:52	2051-24-3	
6010 MET ICP Analytical Method: EPA 6010C Preparation Method: EPA 3050B								
Aluminum	5130	mg/kg	13.3	1	04/10/18 09:28	04/11/18 01:15	7429-90-5	
Antimony	<4.0	mg/kg	4.0	1	04/10/18 09:28	04/11/18 01:15	7440-36-0	
Arsenic	5.1	mg/kg	0.66	1	04/10/18 09:28	04/11/18 01:15	7440-38-2	
Barium	42.1	mg/kg	13.3	1	04/10/18 09:28	04/11/18 01:15	7440-39-3	
Beryllium	<0.33	mg/kg	0.33	1	04/10/18 09:28	04/11/18 01:15	7440-41-7	
Cadmium	0.38	mg/kg	0.17	1	04/10/18 09:28	04/11/18 01:15	7440-43-9	
Calcium	70300	mg/kg	664	10	04/10/18 09:28	04/11/18 13:05	7440-70-2	
Chromium	7.1	mg/kg	0.66	1	04/10/18 09:28	04/11/18 01:15	7440-47-3	
Cobalt	4.6	mg/kg	3.3	1	04/10/18 09:28	04/11/18 01:15	7440-48-4	
Copper	31.2	mg/kg	1.7	1	04/10/18 09:28	04/11/18 01:15	7440-50-8	
Iron	13300	mg/kg	6.6	1	04/10/18 09:28	04/11/18 01:15	7439-89-6	
Lead	87.7	mg/kg	0.33	1	04/10/18 09:28	04/11/18 01:15	7439-92-1	
Magnesium	11900	mg/kg	66.4	1	04/10/18 09:28	04/11/18 01:15	7439-95-4	
Manganese	321	mg/kg	1.0	1	04/10/18 09:28	04/11/18 01:15	7439-96-5	
Nickel	11.8	mg/kg	2.7	1	04/10/18 09:28	04/11/18 01:15	7440-02-0	
Potassium	884	mg/kg	332	1	04/10/18 09:28	04/11/18 01:15	7440-09-7	
Selenium	0.68	mg/kg	0.66	1	04/10/18 09:28	04/11/18 01:15	7782-49-2	
Silver	<0.66	mg/kg	0.66	1	04/10/18 09:28	04/11/18 01:15	7440-22-4	
Sodium	<332	mg/kg	332	1	04/10/18 09:28	04/11/18 01:15	7440-23-5	
Thallium	<0.66	mg/kg	0.66	1	04/10/18 09:28	04/11/18 01:15	7440-28-0	
Vanadium	12.5	mg/kg	3.3	1	04/10/18 09:28	04/11/18 01:15	7440-62-2	
Zinc	61.3	mg/kg	1.3	1	04/10/18 09:28	04/11/18 01:15	7440-66-6	
8270 MSSV Analytical Method: EPA 8270D Preparation Method: EPA 3545A								
1,2,4-Trichlorobenzene	<90.9	ug/kg	90.9	1	04/12/18 05:15	04/17/18 14:21	120-82-1	
2,2'-Oxybis(1-chloropropane)	<90.9	ug/kg	90.9	1	04/12/18 05:15	04/17/18 14:21	108-60-1	CL
2,4,5-Trichlorophenol	<90.9	ug/kg	90.9	1	04/12/18 05:15	04/17/18 14:21	95-95-4	
2,4,6-Trichlorophenol	<90.9	ug/kg	90.9	1	04/12/18 05:15	04/17/18 14:21	88-06-2	
2,4-Dichlorophenol	<90.9	ug/kg	90.9	1	04/12/18 05:15	04/17/18 14:21	120-83-2	
2,4-Dimethylphenol	<90.9	ug/kg	90.9	1	04/12/18 05:15	04/17/18 14:21	105-67-9	
2,4-Dinitrophenol	<909	ug/kg	909	1	04/12/18 05:15	04/17/18 14:21	51-28-5	
2,4-Dinitrotoluene	<448	ug/kg	448	1	04/12/18 05:15	04/17/18 14:21	121-14-2	
2,6-Dinitrotoluene	<448	ug/kg	448	1	04/12/18 05:15	04/17/18 14:21	606-20-2	
2-Chloronaphthalene	<90.9	ug/kg	90.9	1	04/12/18 05:15	04/17/18 14:21	91-58-7	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: COYNE TEXTILE FACILITY

Pace Project No.: 7047606

Sample: SOIL - MS 101 **Lab ID: 7047606008** Collected: 04/06/18 15:10 Received: 04/07/18 11:55 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Analytical Method: EPA 8270D Preparation Method: EPA 3545A								
2-Chlorophenol	<90.9	ug/kg	90.9	1	04/12/18 05:15	04/17/18 14:21	95-57-8	
2-Methylnaphthalene	121	ug/kg	90.9	1	04/12/18 05:15	04/17/18 14:21	91-57-6	
2-Methylphenol(o-Cresol)	<90.9	ug/kg	90.9	1	04/12/18 05:15	04/17/18 14:21	95-48-7	
2-Nitroaniline	<448	ug/kg	448	1	04/12/18 05:15	04/17/18 14:21	88-74-4	
2-Nitrophenol	<448	ug/kg	448	1	04/12/18 05:15	04/17/18 14:21	88-75-5	
3&4-Methylphenol(m&p Cresol)	133	ug/kg	90.9	1	04/12/18 05:15	04/17/18 14:21		
3,3'-Dichlorobenzidine	<448	ug/kg	448	1	04/12/18 05:15	04/17/18 14:21	91-94-1	
3-Nitroaniline	<448	ug/kg	448	1	04/12/18 05:15	04/17/18 14:21	99-09-2	
4,6-Dinitro-2-methylphenol	<909	ug/kg	909	1	04/12/18 05:15	04/17/18 14:21	534-52-1	
4-Bromophenylphenyl ether	<90.9	ug/kg	90.9	1	04/12/18 05:15	04/17/18 14:21	101-55-3	
4-Chloro-3-methylphenol	<90.9	ug/kg	90.9	1	04/12/18 05:15	04/17/18 14:21	59-50-7	
4-Chloroaniline	<448	ug/kg	448	1	04/12/18 05:15	04/17/18 14:21	106-47-8	
4-Chlorophenylphenyl ether	<90.9	ug/kg	90.9	1	04/12/18 05:15	04/17/18 14:21	7005-72-3	
4-Nitroaniline	<448	ug/kg	448	1	04/12/18 05:15	04/17/18 14:21	100-01-6	
4-Nitrophenol	<909	ug/kg	909	1	04/12/18 05:15	04/17/18 14:21	100-02-7	
Acenaphthene	106	ug/kg	90.9	1	04/12/18 05:15	04/17/18 14:21	83-32-9	
Acenaphthylene	<90.9	ug/kg	90.9	1	04/12/18 05:15	04/17/18 14:21	208-96-8	
Acetophenone	<90.9	ug/kg	90.9	1	04/12/18 05:15	04/17/18 14:21	98-86-2	
Anthracene	386	ug/kg	90.9	1	04/12/18 05:15	04/17/18 14:21	120-12-7	
Atrazine	<90.9	ug/kg	90.9	1	04/12/18 05:15	04/17/18 14:21	1912-24-9	
Benzaldehyde	<90.9	ug/kg	90.9	1	04/12/18 05:15	04/17/18 14:21	100-52-7	
Benzo(a)anthracene	995	ug/kg	90.9	1	04/12/18 05:15	04/17/18 14:21	56-55-3	
Benzo(a)pyrene	890	ug/kg	90.9	1	04/12/18 05:15	04/17/18 14:21	50-32-8	
Benzo(b)fluoranthene	1130	ug/kg	90.9	1	04/12/18 05:15	04/17/18 14:21	205-99-2	
Benzo(g,h,i)perylene	345	ug/kg	90.9	1	04/12/18 05:15	04/17/18 14:21	191-24-2	
Benzo(k)fluoranthene	538	ug/kg	90.9	1	04/12/18 05:15	04/17/18 14:21	207-08-9	
Biphenyl (Diphenyl)	<90.9	ug/kg	90.9	1	04/12/18 05:15	04/17/18 14:21	92-52-4	
Butylbenzylphthalate	<90.9	ug/kg	90.9	1	04/12/18 05:15	04/17/18 14:21	85-68-7	
Caprolactam	<90.9	ug/kg	90.9	1	04/12/18 05:15	04/17/18 14:21	105-60-2	
Carbazole	116	ug/kg	90.9	1	04/12/18 05:15	04/17/18 14:21	86-74-8	
Chrysene	978	ug/kg	90.9	1	04/12/18 05:15	04/17/18 14:21	218-01-9	
Di-n-butylphthalate	<90.9	ug/kg	90.9	1	04/12/18 05:15	04/17/18 14:21	84-74-2	
Di-n-octylphthalate	<90.9	ug/kg	90.9	1	04/12/18 05:15	04/17/18 14:21	117-84-0	
Dibenz(a,h)anthracene	121	ug/kg	90.9	1	04/12/18 05:15	04/17/18 14:21	53-70-3	
Dibenzofuran	190	ug/kg	90.9	1	04/12/18 05:15	04/17/18 14:21	132-64-9	
Diethylphthalate	<90.9	ug/kg	90.9	1	04/12/18 05:15	04/17/18 14:21	84-66-2	
Dimethylphthalate	<90.9	ug/kg	90.9	1	04/12/18 05:15	04/17/18 14:21	131-11-3	
Fluoranthene	1710	ug/kg	90.9	1	04/12/18 05:15	04/17/18 14:21	206-44-0	
Fluorene	143	ug/kg	90.9	1	04/12/18 05:15	04/17/18 14:21	86-73-7	
Hexachloro-1,3-butadiene	<90.9	ug/kg	90.9	1	04/12/18 05:15	04/17/18 14:21	87-68-3	
Hexachlorobenzene	<90.9	ug/kg	90.9	1	04/12/18 05:15	04/17/18 14:21	118-74-1	
Hexachlorocyclopentadiene	<448	ug/kg	448	1	04/12/18 05:15	04/17/18 14:21	77-47-4	CL
Hexachloroethane	<90.9	ug/kg	90.9	1	04/12/18 05:15	04/17/18 14:21	67-72-1	
Indeno(1,2,3-cd)pyrene	389	ug/kg	90.9	1	04/12/18 05:15	04/17/18 14:21	193-39-5	
Isophorone	<90.9	ug/kg	90.9	1	04/12/18 05:15	04/17/18 14:21	78-59-1	
N-Nitroso-di-n-propylamine	<90.9	ug/kg	90.9	1	04/12/18 05:15	04/17/18 14:21	621-64-7	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: COYNE TEXTILE FACILITY

Pace Project No.: 7047606

Sample: SOIL - MS 101 **Lab ID: 7047606008** Collected: 04/06/18 15:10 Received: 04/07/18 11:55 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Analytical Method: EPA 8270D Preparation Method: EPA 3545A								
N-Nitrosodiphenylamine	<90.9	ug/kg	90.9	1	04/12/18 05:15	04/17/18 14:21	86-30-6	
Naphthalene	292	ug/kg	90.9	1	04/12/18 05:15	04/17/18 14:21	91-20-3	
Nitrobenzene	<90.9	ug/kg	90.9	1	04/12/18 05:15	04/17/18 14:21	98-95-3	
Pentachlorophenol	<909	ug/kg	909	1	04/12/18 05:15	04/17/18 14:21	87-86-5	
Phenanthrene	1140	ug/kg	90.9	1	04/12/18 05:15	04/17/18 14:21	85-01-8	
Phenol	<90.9	ug/kg	90.9	1	04/12/18 05:15	04/17/18 14:21	108-95-2	
Pyrene	1460	ug/kg	90.9	1	04/12/18 05:15	04/17/18 14:21	129-00-0	
bis(2-Chloroethoxy)methane	<90.9	ug/kg	90.9	1	04/12/18 05:15	04/17/18 14:21	111-91-1	
bis(2-Chloroethyl) ether	<90.9	ug/kg	90.9	1	04/12/18 05:15	04/17/18 14:21	111-44-4	CL
bis(2-Ethylhexyl)phthalate	<90.9	ug/kg	90.9	1	04/12/18 05:15	04/17/18 14:21	117-81-7	
Surrogates								
Nitrobenzene-d5 (S)	8	%	23-120	1	04/12/18 05:15	04/17/18 14:21	4165-60-0	SO
2-Fluorobiphenyl (S)	57	%	30-115	1	04/12/18 05:15	04/17/18 14:21	321-60-8	
p-Terphenyl-d14 (S)	82	%	18-137	1	04/12/18 05:15	04/17/18 14:21	1718-51-0	
Phenol-d5 (S)	61	%	24-113	1	04/12/18 05:15	04/17/18 14:21	4165-62-2	
2-Fluorophenol (S)	55	%	25-121	1	04/12/18 05:15	04/17/18 14:21	367-12-4	
2,4,6-Tribromophenol (S)	60	%	19-122	1	04/12/18 05:15	04/17/18 14:21	118-79-6	
2-Chlorophenol-d4 (S)	59	%	20-130	1	04/12/18 05:15	04/17/18 14:21	93951-73-6	
1,2-Dichlorobenzene-d4 (S)	48	%	20-130	1	04/12/18 05:15	04/17/18 14:21	2199-69-1	
8260C MSV 5035A-L Low Level Analytical Method: EPA 8260C Preparation Method: EPA 5035A-L								
1,1,1-Trichloroethane	<2.2	ug/kg	2.2	1	04/17/18 06:00	04/17/18 12:18	71-55-6	
1,1,2,2-Tetrachloroethane	<2.2	ug/kg	2.2	1	04/17/18 06:00	04/17/18 12:18	79-34-5	
1,1,2-Trichloroethane	<2.2	ug/kg	2.2	1	04/17/18 06:00	04/17/18 12:18	79-00-5	
1,1,2-Trichlorotrifluoroethane	<2.2	ug/kg	2.2	1	04/17/18 06:00	04/17/18 12:18	76-13-1	
1,1-Dichloroethane	<2.2	ug/kg	2.2	1	04/17/18 06:00	04/17/18 12:18	75-34-3	
1,1-Dichloroethene	<2.2	ug/kg	2.2	1	04/17/18 06:00	04/17/18 12:18	75-35-4	
1,2,4-Trichlorobenzene	<2.2	ug/kg	2.2	1	04/17/18 06:00	04/17/18 12:18	120-82-1	
1,2-Dibromo-3-chloropropane	<2.2	ug/kg	2.2	1	04/17/18 06:00	04/17/18 12:18	96-12-8	
1,2-Dibromoethane (EDB)	<2.2	ug/kg	2.2	1	04/17/18 06:00	04/17/18 12:18	106-93-4	
1,2-Dichlorobenzene	<2.2	ug/kg	2.2	1	04/17/18 06:00	04/17/18 12:18	95-50-1	
1,2-Dichloroethane	<2.2	ug/kg	2.2	1	04/17/18 06:00	04/17/18 12:18	107-06-2	
1,2-Dichloropropane	<2.2	ug/kg	2.2	1	04/17/18 06:00	04/17/18 12:18	78-87-5	
1,3-Dichlorobenzene	<2.2	ug/kg	2.2	1	04/17/18 06:00	04/17/18 12:18	541-73-1	
1,4-Dichlorobenzene	<2.2	ug/kg	2.2	1	04/17/18 06:00	04/17/18 12:18	106-46-7	
2-Butanone (MEK)	40.4	ug/kg	2.2	1	04/17/18 06:00	04/17/18 12:18	78-93-3	
2-Hexanone	<2.2	ug/kg	2.2	1	04/17/18 06:00	04/17/18 12:18	591-78-6	
4-Methyl-2-pentanone (MIBK)	<2.2	ug/kg	2.2	1	04/17/18 06:00	04/17/18 12:18	108-10-1	
Acetone	318	ug/kg	2.2	1	04/17/18 06:00	04/17/18 12:18	67-64-1	A+,CL,E, IH
Benzene	13.7	ug/kg	2.2	1	04/17/18 06:00	04/17/18 12:18	71-43-2	
Bromodichloromethane	<2.2	ug/kg	2.2	1	04/17/18 06:00	04/17/18 12:18	75-27-4	
Bromoform	<2.2	ug/kg	2.2	1	04/17/18 06:00	04/17/18 12:18	75-25-2	
Bromomethane	<2.2	ug/kg	2.2	1	04/17/18 06:00	04/17/18 12:18	74-83-9	
Carbon disulfide	2.5	ug/kg	2.2	1	04/17/18 06:00	04/17/18 12:18	75-15-0	
Carbon tetrachloride	<2.2	ug/kg	2.2	1	04/17/18 06:00	04/17/18 12:18	56-23-5	CL

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: COYNE TEXTILE FACILITY

Pace Project No.: 7047606

Sample: **SOIL - MS 101** Lab ID: **7047606008** Collected: 04/06/18 15:10 Received: 04/07/18 11:55 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260C MSV 5035A-L Low Level		Analytical Method: EPA 8260C Preparation Method: EPA 5035A-L						
Chlorobenzene	<2.2	ug/kg	2.2	1	04/17/18 06:00	04/17/18 12:18	108-90-7	
Chloroethane	<2.2	ug/kg	2.2	1	04/17/18 06:00	04/17/18 12:18	75-00-3	
Chloroform	<2.2	ug/kg	2.2	1	04/17/18 06:00	04/17/18 12:18	67-66-3	
Chloromethane	<2.2	ug/kg	2.2	1	04/17/18 06:00	04/17/18 12:18	74-87-3	
Cyclohexane	<2.2	ug/kg	2.2	1	04/17/18 06:00	04/17/18 12:18	110-82-7	
Dibromochloromethane	<2.2	ug/kg	2.2	1	04/17/18 06:00	04/17/18 12:18	124-48-1	
Dichlorodifluoromethane	<2.2	ug/kg	2.2	1	04/17/18 06:00	04/17/18 12:18	75-71-8	CL
Ethylbenzene	<2.2	ug/kg	2.2	1	04/17/18 06:00	04/17/18 12:18	100-41-4	
Isopropylbenzene (Cumene)	<2.2	ug/kg	2.2	1	04/17/18 06:00	04/17/18 12:18	98-82-8	
Methyl acetate	<2.2	ug/kg	2.2	1	04/17/18 06:00	04/17/18 12:18	79-20-9	
Methyl-tert-butyl ether	<2.2	ug/kg	2.2	1	04/17/18 06:00	04/17/18 12:18	1634-04-4	
Methylcyclohexane	<2.2	ug/kg	2.2	1	04/17/18 06:00	04/17/18 12:18	108-87-2	
Methylene Chloride	<2.2	ug/kg	2.2	1	04/17/18 06:00	04/17/18 12:18	75-09-2	
Styrene	<2.2	ug/kg	2.2	1	04/17/18 06:00	04/17/18 12:18	100-42-5	
Tetrachloroethene	<2.2	ug/kg	2.2	1	04/17/18 06:00	04/17/18 12:18	127-18-4	
Toluene	<2.2	ug/kg	2.2	1	04/17/18 06:00	04/17/18 12:18	108-88-3	CH
Trichloroethene	<2.2	ug/kg	2.2	1	04/17/18 06:00	04/17/18 12:18	79-01-6	
Trichlorofluoromethane	<2.2	ug/kg	2.2	1	04/17/18 06:00	04/17/18 12:18	75-69-4	
Vinyl chloride	<2.2	ug/kg	2.2	1	04/17/18 06:00	04/17/18 12:18	75-01-4	
Xylene (Total)	<4.3	ug/kg	4.3	1	04/17/18 06:00	04/17/18 12:18	1330-20-7	
cis-1,2-Dichloroethene	<2.2	ug/kg	2.2	1	04/17/18 06:00	04/17/18 12:18	156-59-2	
cis-1,3-Dichloropropene	<2.2	ug/kg	2.2	1	04/17/18 06:00	04/17/18 12:18	10061-01-5	
trans-1,2-Dichloroethene	<2.2	ug/kg	2.2	1	04/17/18 06:00	04/17/18 12:18	156-60-5	
trans-1,3-Dichloropropene	<2.2	ug/kg	2.2	1	04/17/18 06:00	04/17/18 12:18	10061-02-6	
Surrogates								
Toluene-d8 (S)	84	%	43-157	1	04/17/18 06:00	04/17/18 12:18	2037-26-5	
4-Bromofluorobenzene (S)	98	%	34-145	1	04/17/18 06:00	04/17/18 12:18	460-00-4	
1,2-Dichloroethane-d4 (S)	119	%	33-150	1	04/17/18 06:00	04/17/18 12:18	17060-07-0	

Percent Moisture

Analytical Method: ASTM D2216-92M

Percent Moisture	26.6	%	0.10	1		04/10/18 17:49		
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REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: COYNE TEXTILE FACILITY

Pace Project No.: 7047606

Sample: SOIL - 106 **Lab ID: 7047606009** Collected: 04/06/18 13:30 Received: 04/07/18 11:55 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8081 GCS Pesticides Analytical Method: EPA 8081B Preparation Method: EPA 3546								
Aldrin	<2.0	ug/kg	2.0	1	04/16/18 17:43	04/19/18 00:08	309-00-2	
alpha-BHC	<2.0	ug/kg	2.0	1	04/16/18 17:43	04/19/18 00:08	319-84-6	
beta-BHC	<2.0	ug/kg	2.0	1	04/16/18 17:43	04/19/18 00:08	319-85-7	
delta-BHC	<2.0	ug/kg	2.0	1	04/16/18 17:43	04/19/18 00:08	319-86-8	
gamma-BHC (Lindane)	<2.0	ug/kg	2.0	1	04/16/18 17:43	04/19/18 00:08	58-89-9	
alpha-Chlordane	<2.0	ug/kg	2.0	1	04/16/18 17:43	04/19/18 00:08	5103-71-9	
gamma-Chlordane	<2.0	ug/kg	2.0	1	04/16/18 17:43	04/19/18 00:08	5103-74-2	
4,4'-DDD	<3.9	ug/kg	3.9	1	04/16/18 17:43	04/19/18 00:08	72-54-8	
4,4'-DDE	<3.9	ug/kg	3.9	1	04/16/18 17:43	04/19/18 00:08	72-55-9	
4,4'-DDT	<3.9	ug/kg	3.9	1	04/16/18 17:43	04/19/18 00:08	50-29-3	
Dieldrin	<3.9	ug/kg	3.9	1	04/16/18 17:43	04/19/18 00:08	60-57-1	
Endosulfan I	<2.0	ug/kg	2.0	1	04/16/18 17:43	04/19/18 00:08	959-98-8	
Endosulfan II	<3.9	ug/kg	3.9	1	04/16/18 17:43	04/19/18 00:08	33213-65-9	
Endosulfan sulfate	<3.9	ug/kg	3.9	1	04/16/18 17:43	04/19/18 00:08	1031-07-8	
Endrin	<3.9	ug/kg	3.9	1	04/16/18 17:43	04/19/18 00:08	72-20-8	
Endrin aldehyde	<3.9	ug/kg	3.9	1	04/16/18 17:43	04/19/18 00:08	7421-93-4	
Endrin ketone	<3.9	ug/kg	3.9	1	04/16/18 17:43	04/19/18 00:08	53494-70-5	
Heptachlor	<2.0	ug/kg	2.0	1	04/16/18 17:43	04/19/18 00:08	76-44-8	
Heptachlor epoxide	<2.0	ug/kg	2.0	1	04/16/18 17:43	04/19/18 00:08	1024-57-3	
Methoxychlor	<20.2	ug/kg	20.2	1	04/16/18 17:43	04/19/18 00:08	72-43-5	
Toxaphene	<202	ug/kg	202	1	04/16/18 17:43	04/19/18 00:08	8001-35-2	
Surrogates								
Tetrachloro-m-xylene (S)	85	%	30-150	1	04/16/18 17:43	04/19/18 00:08	877-09-8	
Decachlorobiphenyl (S)	94	%	30-150	1	04/16/18 17:43	04/19/18 00:08	2051-24-3	CH
8082 GCS PCB Analytical Method: EPA 8082A Preparation Method: EPA 3546								
PCB-1016 (Aroclor 1016)	<39.1	ug/kg	39.1	1	04/16/18 17:43	04/17/18 23:57	12674-11-2	
PCB-1221 (Aroclor 1221)	<79.3	ug/kg	79.3	1	04/16/18 17:43	04/17/18 23:57	11104-28-2	
PCB-1232 (Aroclor 1232)	<39.1	ug/kg	39.1	1	04/16/18 17:43	04/17/18 23:57	11141-16-5	
PCB-1242 (Aroclor 1242)	<39.1	ug/kg	39.1	1	04/16/18 17:43	04/17/18 23:57	53469-21-9	
PCB-1248 (Aroclor 1248)	<39.1	ug/kg	39.1	1	04/16/18 17:43	04/17/18 23:57	12672-29-6	
PCB-1254 (Aroclor 1254)	<39.1	ug/kg	39.1	1	04/16/18 17:43	04/17/18 23:57	11097-69-1	
PCB-1260 (Aroclor 1260)	<39.1	ug/kg	39.1	1	04/16/18 17:43	04/17/18 23:57	11096-82-5	
Surrogates								
Tetrachloro-m-xylene (S)	73	%	30-150	1	04/16/18 17:43	04/17/18 23:57	877-09-8	
Decachlorobiphenyl (S)	56	%	30-150	1	04/16/18 17:43	04/17/18 23:57	2051-24-3	
8270 MSSV Analytical Method: EPA 8270D Preparation Method: EPA 3545A								
1,2,4-Trichlorobenzene	<79.3	ug/kg	79.3	1	04/12/18 20:52	04/16/18 14:43	120-82-1	
2,2'-Oxybis(1-chloropropane)	<79.3	ug/kg	79.3	1	04/12/18 20:52	04/16/18 14:43	108-60-1	
2,4,5-Trichlorophenol	<79.3	ug/kg	79.3	1	04/12/18 20:52	04/16/18 14:43	95-95-4	
2,4,6-Trichlorophenol	<79.3	ug/kg	79.3	1	04/12/18 20:52	04/16/18 14:43	88-06-2	
2,4-Dichlorophenol	<79.3	ug/kg	79.3	1	04/12/18 20:52	04/16/18 14:43	120-83-2	
2,4-Dimethylphenol	<79.3	ug/kg	79.3	1	04/12/18 20:52	04/16/18 14:43	105-67-9	
2,4-Dinitrophenol	<79.3	ug/kg	79.3	1	04/12/18 20:52	04/16/18 14:43	51-28-5	
2,4-Dinitrotoluene	<391	ug/kg	391	1	04/12/18 20:52	04/16/18 14:43	121-14-2	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: COYNE TEXTILE FACILITY

Pace Project No.: 7047606

Sample: SOIL - 106 **Lab ID: 7047606009** Collected: 04/06/18 13:30 Received: 04/07/18 11:55 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Analytical Method: EPA 8270D Preparation Method: EPA 3545A								
2,6-Dinitrotoluene	<391	ug/kg	391	1	04/12/18 20:52	04/16/18 14:43	606-20-2	
2-Chloronaphthalene	<79.3	ug/kg	79.3	1	04/12/18 20:52	04/16/18 14:43	91-58-7	
2-Chlorophenol	<79.3	ug/kg	79.3	1	04/12/18 20:52	04/16/18 14:43	95-57-8	
2-Methylnaphthalene	<79.3	ug/kg	79.3	1	04/12/18 20:52	04/16/18 14:43	91-57-6	
2-Methylphenol(o-Cresol)	<79.3	ug/kg	79.3	1	04/12/18 20:52	04/16/18 14:43	95-48-7	
2-Nitroaniline	<391	ug/kg	391	1	04/12/18 20:52	04/16/18 14:43	88-74-4	
2-Nitrophenol	<391	ug/kg	391	1	04/12/18 20:52	04/16/18 14:43	88-75-5	
3&4-Methylphenol(m&p Cresol)	<79.3	ug/kg	79.3	1	04/12/18 20:52	04/16/18 14:43		
3,3'-Dichlorobenzidine	<391	ug/kg	391	1	04/12/18 20:52	04/16/18 14:43	91-94-1	
3-Nitroaniline	<391	ug/kg	391	1	04/12/18 20:52	04/16/18 14:43	99-09-2	
4,6-Dinitro-2-methylphenol	<79.3	ug/kg	79.3	1	04/12/18 20:52	04/16/18 14:43	534-52-1	
4-Bromophenylphenyl ether	<79.3	ug/kg	79.3	1	04/12/18 20:52	04/16/18 14:43	101-55-3	
4-Chloro-3-methylphenol	<79.3	ug/kg	79.3	1	04/12/18 20:52	04/16/18 14:43	59-50-7	
4-Chloroaniline	<391	ug/kg	391	1	04/12/18 20:52	04/16/18 14:43	106-47-8	
4-Chlorophenylphenyl ether	<79.3	ug/kg	79.3	1	04/12/18 20:52	04/16/18 14:43	7005-72-3	
4-Nitroaniline	<391	ug/kg	391	1	04/12/18 20:52	04/16/18 14:43	100-01-6	
4-Nitrophenol	<79.3	ug/kg	79.3	1	04/12/18 20:52	04/16/18 14:43	100-02-7	
Acenaphthene	<79.3	ug/kg	79.3	1	04/12/18 20:52	04/16/18 14:43	83-32-9	
Acenaphthylene	<79.3	ug/kg	79.3	1	04/12/18 20:52	04/16/18 14:43	208-96-8	
Acetophenone	<79.3	ug/kg	79.3	1	04/12/18 20:52	04/16/18 14:43	98-86-2	
Anthracene	<79.3	ug/kg	79.3	1	04/12/18 20:52	04/16/18 14:43	120-12-7	
Atrazine	<79.3	ug/kg	79.3	1	04/12/18 20:52	04/16/18 14:43	1912-24-9	
Benzaldehyde	<79.3	ug/kg	79.3	1	04/12/18 20:52	04/16/18 14:43	100-52-7	CL,IC,IL, L2
Benzo(a)anthracene	<79.3	ug/kg	79.3	1	04/12/18 20:52	04/16/18 14:43	56-55-3	
Benzo(a)pyrene	<79.3	ug/kg	79.3	1	04/12/18 20:52	04/16/18 14:43	50-32-8	
Benzo(b)fluoranthene	<79.3	ug/kg	79.3	1	04/12/18 20:52	04/16/18 14:43	205-99-2	
Benzo(g,h,i)perylene	<79.3	ug/kg	79.3	1	04/12/18 20:52	04/16/18 14:43	191-24-2	
Benzo(k)fluoranthene	<79.3	ug/kg	79.3	1	04/12/18 20:52	04/16/18 14:43	207-08-9	
Biphenyl (Diphenyl)	<79.3	ug/kg	79.3	1	04/12/18 20:52	04/16/18 14:43	92-52-4	
Butylbenzylphthalate	<79.3	ug/kg	79.3	1	04/12/18 20:52	04/16/18 14:43	85-68-7	
Caprolactam	<79.3	ug/kg	79.3	1	04/12/18 20:52	04/16/18 14:43	105-60-2	
Carbazole	<79.3	ug/kg	79.3	1	04/12/18 20:52	04/16/18 14:43	86-74-8	
Chrysene	<79.3	ug/kg	79.3	1	04/12/18 20:52	04/16/18 14:43	218-01-9	
Di-n-butylphthalate	<79.3	ug/kg	79.3	1	04/12/18 20:52	04/16/18 14:43	84-74-2	
Di-n-octylphthalate	<79.3	ug/kg	79.3	1	04/12/18 20:52	04/16/18 14:43	117-84-0	
Dibenz(a,h)anthracene	<79.3	ug/kg	79.3	1	04/12/18 20:52	04/16/18 14:43	53-70-3	
Dibenzofuran	<79.3	ug/kg	79.3	1	04/12/18 20:52	04/16/18 14:43	132-64-9	
Diethylphthalate	<79.3	ug/kg	79.3	1	04/12/18 20:52	04/16/18 14:43	84-66-2	
Dimethylphthalate	<79.3	ug/kg	79.3	1	04/12/18 20:52	04/16/18 14:43	131-11-3	
Fluoranthene	<79.3	ug/kg	79.3	1	04/12/18 20:52	04/16/18 14:43	206-44-0	
Fluorene	<79.3	ug/kg	79.3	1	04/12/18 20:52	04/16/18 14:43	86-73-7	
Hexachloro-1,3-butadiene	<79.3	ug/kg	79.3	1	04/12/18 20:52	04/16/18 14:43	87-68-3	
Hexachlorobenzene	<79.3	ug/kg	79.3	1	04/12/18 20:52	04/16/18 14:43	118-74-1	
Hexachlorocyclopentadiene	<391	ug/kg	391	1	04/12/18 20:52	04/16/18 14:43	77-47-4	CL
Hexachloroethane	<79.3	ug/kg	79.3	1	04/12/18 20:52	04/16/18 14:43	67-72-1	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: COYNE TEXTILE FACILITY

Pace Project No.: 7047606

Sample: SOIL - 106 Lab ID: 7047606009 Collected: 04/06/18 13:30 Received: 04/07/18 11:55 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV								
Analytical Method: EPA 8270D Preparation Method: EPA 3545A								
Indeno(1,2,3-cd)pyrene	<79.3	ug/kg	79.3	1	04/12/18 20:52	04/16/18 14:43	193-39-5	
Isophorone	<79.3	ug/kg	79.3	1	04/12/18 20:52	04/16/18 14:43	78-59-1	
N-Nitroso-di-n-propylamine	<79.3	ug/kg	79.3	1	04/12/18 20:52	04/16/18 14:43	621-64-7	
N-Nitrosodiphenylamine	<79.3	ug/kg	79.3	1	04/12/18 20:52	04/16/18 14:43	86-30-6	
Naphthalene	<79.3	ug/kg	79.3	1	04/12/18 20:52	04/16/18 14:43	91-20-3	
Nitrobenzene	<79.3	ug/kg	79.3	1	04/12/18 20:52	04/16/18 14:43	98-95-3	
Pentachlorophenol	<79.3	ug/kg	79.3	1	04/12/18 20:52	04/16/18 14:43	87-86-5	
Phenanthrene	<79.3	ug/kg	79.3	1	04/12/18 20:52	04/16/18 14:43	85-01-8	
Phenol	<79.3	ug/kg	79.3	1	04/12/18 20:52	04/16/18 14:43	108-95-2	
Pyrene	<79.3	ug/kg	79.3	1	04/12/18 20:52	04/16/18 14:43	129-00-0	
bis(2-Chloroethoxy)methane	<79.3	ug/kg	79.3	1	04/12/18 20:52	04/16/18 14:43	111-91-1	
bis(2-Chloroethyl) ether	<79.3	ug/kg	79.3	1	04/12/18 20:52	04/16/18 14:43	111-44-4	
bis(2-Ethylhexyl)phthalate	<79.3	ug/kg	79.3	1	04/12/18 20:52	04/16/18 14:43	117-81-7	
Surrogates								
Nitrobenzene-d5 (S)	66	%	23-120	1	04/12/18 20:52	04/16/18 14:43	4165-60-0	
2-Fluorobiphenyl (S)	76	%	30-115	1	04/12/18 20:52	04/16/18 14:43	321-60-8	
p-Terphenyl-d14 (S)	91	%	18-137	1	04/12/18 20:52	04/16/18 14:43	1718-51-0	
Phenol-d5 (S)	66	%	24-113	1	04/12/18 20:52	04/16/18 14:43	4165-62-2	
2-Fluorophenol (S)	58	%	25-121	1	04/12/18 20:52	04/16/18 14:43	367-12-4	
2,4,6-Tribromophenol (S)	81	%	19-122	1	04/12/18 20:52	04/16/18 14:43	118-79-6	
2-Chlorophenol-d4 (S)	65	%	20-130	1	04/12/18 20:52	04/16/18 14:43	93951-73-6	
1,2-Dichlorobenzene-d4 (S)	60	%	20-130	1	04/12/18 20:52	04/16/18 14:43	2199-69-1	
8260C MSV 5035A-L Low Level								
Analytical Method: EPA 8260C Preparation Method: EPA 5035A-L								
1,1,1-Trichloroethane	<1.9	ug/kg	1.9	1	04/17/18 06:00	04/17/18 11:55	71-55-6	
1,1,1,2-Tetrachloroethane	<1.9	ug/kg	1.9	1	04/17/18 06:00	04/17/18 11:55	79-34-5	
1,1,2-Trichloroethane	<1.9	ug/kg	1.9	1	04/17/18 06:00	04/17/18 11:55	79-00-5	
1,1,2-Trichlorotrifluoroethane	<1.9	ug/kg	1.9	1	04/17/18 06:00	04/17/18 11:55	76-13-1	
1,1-Dichloroethane	<1.9	ug/kg	1.9	1	04/17/18 06:00	04/17/18 11:55	75-34-3	
1,1-Dichloroethene	<1.9	ug/kg	1.9	1	04/17/18 06:00	04/17/18 11:55	75-35-4	
1,2,4-Trichlorobenzene	<1.9	ug/kg	1.9	1	04/17/18 06:00	04/17/18 11:55	120-82-1	
1,2-Dibromo-3-chloropropane	<1.9	ug/kg	1.9	1	04/17/18 06:00	04/17/18 11:55	96-12-8	
1,2-Dibromoethane (EDB)	<1.9	ug/kg	1.9	1	04/17/18 06:00	04/17/18 11:55	106-93-4	
1,2-Dichlorobenzene	<1.9	ug/kg	1.9	1	04/17/18 06:00	04/17/18 11:55	95-50-1	
1,2-Dichloroethane	<1.9	ug/kg	1.9	1	04/17/18 06:00	04/17/18 11:55	107-06-2	
1,2-Dichloropropane	<1.9	ug/kg	1.9	1	04/17/18 06:00	04/17/18 11:55	78-87-5	
1,3-Dichlorobenzene	<1.9	ug/kg	1.9	1	04/17/18 06:00	04/17/18 11:55	541-73-1	
1,4-Dichlorobenzene	<1.9	ug/kg	1.9	1	04/17/18 06:00	04/17/18 11:55	106-46-7	
2-Butanone (MEK)	8.1	ug/kg	1.9	1	04/17/18 06:00	04/17/18 11:55	78-93-3	
2-Hexanone	<1.9	ug/kg	1.9	1	04/17/18 06:00	04/17/18 11:55	591-78-6	
4-Methyl-2-pentanone (MIBK)	<1.9	ug/kg	1.9	1	04/17/18 06:00	04/17/18 11:55	108-10-1	
Acetone	38.3	ug/kg	1.9	1	04/17/18 06:00	04/17/18 11:55	67-64-1	CL,IH
Benzene	<1.9	ug/kg	1.9	1	04/17/18 06:00	04/17/18 11:55	71-43-2	
Bromodichloromethane	<1.9	ug/kg	1.9	1	04/17/18 06:00	04/17/18 11:55	75-27-4	
Bromoform	<1.9	ug/kg	1.9	1	04/17/18 06:00	04/17/18 11:55	75-25-2	
Bromomethane	<1.9	ug/kg	1.9	1	04/17/18 06:00	04/17/18 11:55	74-83-9	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: COYNE TEXTILE FACILITY

Pace Project No.: 7047606

Sample: SOIL - 106 **Lab ID: 7047606009** Collected: 04/06/18 13:30 Received: 04/07/18 11:55 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260C MSV 5035A-L Low Level		Analytical Method: EPA 8260C Preparation Method: EPA 5035A-L						
Carbon disulfide	<1.9	ug/kg	1.9	1	04/17/18 06:00	04/17/18 11:55	75-15-0	
Carbon tetrachloride	<1.9	ug/kg	1.9	1	04/17/18 06:00	04/17/18 11:55	56-23-5	CL
Chlorobenzene	<1.9	ug/kg	1.9	1	04/17/18 06:00	04/17/18 11:55	108-90-7	
Chloroethane	<1.9	ug/kg	1.9	1	04/17/18 06:00	04/17/18 11:55	75-00-3	
Chloroform	<1.9	ug/kg	1.9	1	04/17/18 06:00	04/17/18 11:55	67-66-3	
Chloromethane	<1.9	ug/kg	1.9	1	04/17/18 06:00	04/17/18 11:55	74-87-3	
Cyclohexane	<1.9	ug/kg	1.9	1	04/17/18 06:00	04/17/18 11:55	110-82-7	
Dibromochloromethane	<1.9	ug/kg	1.9	1	04/17/18 06:00	04/17/18 11:55	124-48-1	
Dichlorodifluoromethane	<1.9	ug/kg	1.9	1	04/17/18 06:00	04/17/18 11:55	75-71-8	CL
Ethylbenzene	<1.9	ug/kg	1.9	1	04/17/18 06:00	04/17/18 11:55	100-41-4	
Isopropylbenzene (Cumene)	<1.9	ug/kg	1.9	1	04/17/18 06:00	04/17/18 11:55	98-82-8	
Methyl acetate	<1.9	ug/kg	1.9	1	04/17/18 06:00	04/17/18 11:55	79-20-9	
Methyl-tert-butyl ether	<1.9	ug/kg	1.9	1	04/17/18 06:00	04/17/18 11:55	1634-04-4	
Methylcyclohexane	<1.9	ug/kg	1.9	1	04/17/18 06:00	04/17/18 11:55	108-87-2	
Methylene Chloride	<1.9	ug/kg	1.9	1	04/17/18 06:00	04/17/18 11:55	75-09-2	
Styrene	<1.9	ug/kg	1.9	1	04/17/18 06:00	04/17/18 11:55	100-42-5	
Tetrachloroethene	<1.9	ug/kg	1.9	1	04/17/18 06:00	04/17/18 11:55	127-18-4	
Toluene	<1.9	ug/kg	1.9	1	04/17/18 06:00	04/17/18 11:55	108-88-3	CH
Trichloroethene	<1.9	ug/kg	1.9	1	04/17/18 06:00	04/17/18 11:55	79-01-6	
Trichlorofluoromethane	<1.9	ug/kg	1.9	1	04/17/18 06:00	04/17/18 11:55	75-69-4	
Vinyl chloride	<1.9	ug/kg	1.9	1	04/17/18 06:00	04/17/18 11:55	75-01-4	
Xylene (Total)	<3.8	ug/kg	3.8	1	04/17/18 06:00	04/17/18 11:55	1330-20-7	
cis-1,2-Dichloroethene	<1.9	ug/kg	1.9	1	04/17/18 06:00	04/17/18 11:55	156-59-2	
cis-1,3-Dichloropropene	<1.9	ug/kg	1.9	1	04/17/18 06:00	04/17/18 11:55	10061-01-5	
trans-1,2-Dichloroethene	<1.9	ug/kg	1.9	1	04/17/18 06:00	04/17/18 11:55	156-60-5	
trans-1,3-Dichloropropene	<1.9	ug/kg	1.9	1	04/17/18 06:00	04/17/18 11:55	10061-02-6	
Surrogates								
Toluene-d8 (S)	79	%	43-157	1	04/17/18 06:00	04/17/18 11:55	2037-26-5	
4-Bromofluorobenzene (S)	98	%	34-145	1	04/17/18 06:00	04/17/18 11:55	460-00-4	
1,2-Dichloroethane-d4 (S)	107	%	33-150	1	04/17/18 06:00	04/17/18 11:55	17060-07-0	
Percent Moisture		Analytical Method: ASTM D2216-92M						
Percent Moisture	15.5	%	0.10	1		04/10/18 17:49		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: COYNE TEXTILE FACILITY

Pace Project No.: 7047606

Sample: **SOIL - 104** Lab ID: **7047606010** Collected: 04/06/18 12:15 Received: 04/07/18 11:55 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8082 GCS PCB Analytical Method: EPA 8082A Preparation Method: EPA 3546								
PCB-1016 (Aroclor 1016)	<45.3	ug/kg	45.3	1	04/12/18 19:23	04/14/18 19:17	12674-11-2	
PCB-1221 (Aroclor 1221)	<91.9	ug/kg	91.9	1	04/12/18 19:23	04/14/18 19:17	11104-28-2	
PCB-1232 (Aroclor 1232)	<45.3	ug/kg	45.3	1	04/12/18 19:23	04/14/18 19:17	11141-16-5	
PCB-1242 (Aroclor 1242)	<45.3	ug/kg	45.3	1	04/12/18 19:23	04/14/18 19:17	53469-21-9	
PCB-1248 (Aroclor 1248)	<45.3	ug/kg	45.3	1	04/12/18 19:23	04/14/18 19:17	12672-29-6	
PCB-1254 (Aroclor 1254)	<45.3	ug/kg	45.3	1	04/12/18 19:23	04/14/18 19:17	11097-69-1	
PCB-1260 (Aroclor 1260)	<45.3	ug/kg	45.3	1	04/12/18 19:23	04/14/18 19:17	11096-82-5	
Surrogates								
Tetrachloro-m-xylene (S)	46	%	30-150	1	04/12/18 19:23	04/14/18 19:17	877-09-8	
Decachlorobiphenyl (S)	40	%	30-150	1	04/12/18 19:23	04/14/18 19:17	2051-24-3	
6010 MET ICP Analytical Method: EPA 6010C Preparation Method: EPA 3050B								
Aluminum	5350	mg/kg	13.6	1	04/10/18 09:28	04/11/18 01:20	7429-90-5	
Antimony	<4.1	mg/kg	4.1	1	04/10/18 09:28	04/11/18 01:20	7440-36-0	
Arsenic	3.8	mg/kg	0.68	1	04/10/18 09:28	04/11/18 01:20	7440-38-2	
Barium	65.8	mg/kg	13.6	1	04/10/18 09:28	04/11/18 01:20	7440-39-3	
Beryllium	<0.34	mg/kg	0.34	1	04/10/18 09:28	04/11/18 01:20	7440-41-7	
Cadmium	0.42	mg/kg	0.17	1	04/10/18 09:28	04/11/18 01:20	7440-43-9	
Calcium	75000	mg/kg	681	10	04/10/18 09:28	04/11/18 13:06	7440-70-2	
Chromium	7.5	mg/kg	0.68	1	04/10/18 09:28	04/11/18 01:20	7440-47-3	
Cobalt	3.4	mg/kg	3.4	1	04/10/18 09:28	04/11/18 01:20	7440-48-4	
Copper	14.2	mg/kg	1.7	1	04/10/18 09:28	04/11/18 01:20	7440-50-8	
Iron	9630	mg/kg	6.8	1	04/10/18 09:28	04/11/18 01:20	7439-89-6	
Lead	266	mg/kg	0.34	1	04/10/18 09:28	04/11/18 01:20	7439-92-1	
Magnesium	7590	mg/kg	68.1	1	04/10/18 09:28	04/11/18 01:20	7439-95-4	
Manganese	232	mg/kg	1.0	1	04/10/18 09:28	04/11/18 01:20	7439-96-5	
Nickel	25.9	mg/kg	2.7	1	04/10/18 09:28	04/11/18 01:20	7440-02-0	
Potassium	801	mg/kg	341	1	04/10/18 09:28	04/11/18 01:20	7440-09-7	
Selenium	1.7	mg/kg	0.68	1	04/10/18 09:28	04/11/18 01:20	7782-49-2	
Silver	<0.68	mg/kg	0.68	1	04/10/18 09:28	04/11/18 01:20	7440-22-4	
Sodium	636	mg/kg	341	1	04/10/18 09:28	04/11/18 01:20	7440-23-5	
Thallium	<0.68	mg/kg	0.68	1	04/10/18 09:28	04/11/18 01:20	7440-28-0	
Vanadium	9.6	mg/kg	3.4	1	04/10/18 09:28	04/11/18 01:20	7440-62-2	
Zinc	71.1	mg/kg	1.4	1	04/10/18 09:28	04/11/18 01:20	7440-66-6	
8270 MSSV Analytical Method: EPA 8270D Preparation Method: EPA 3545A								
1,2,4-Trichlorobenzene	<91.9	ug/kg	91.9	1	04/12/18 20:52	04/16/18 17:34	120-82-1	
2,2'-Oxybis(1-chloropropane)	<91.9	ug/kg	91.9	1	04/12/18 20:52	04/16/18 17:34	108-60-1	
2,4,5-Trichlorophenol	<91.9	ug/kg	91.9	1	04/12/18 20:52	04/16/18 17:34	95-95-4	
2,4,6-Trichlorophenol	<91.9	ug/kg	91.9	1	04/12/18 20:52	04/16/18 17:34	88-06-2	
2,4-Dichlorophenol	<91.9	ug/kg	91.9	1	04/12/18 20:52	04/16/18 17:34	120-83-2	
2,4-Dimethylphenol	<91.9	ug/kg	91.9	1	04/12/18 20:52	04/16/18 17:34	105-67-9	
2,4-Dinitrophenol	<91.9	ug/kg	91.9	1	04/12/18 20:52	04/16/18 17:34	51-28-5	
2,4-Dinitrotoluene	<453	ug/kg	453	1	04/12/18 20:52	04/16/18 17:34	121-14-2	
2,6-Dinitrotoluene	<453	ug/kg	453	1	04/12/18 20:52	04/16/18 17:34	606-20-2	
2-Chloronaphthalene	<91.9	ug/kg	91.9	1	04/12/18 20:52	04/16/18 17:34	91-58-7	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: COYNE TEXTILE FACILITY

Pace Project No.: 7047606

Sample: SOIL - 104 Lab ID: 7047606010 Collected: 04/06/18 12:15 Received: 04/07/18 11:55 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV								
Analytical Method: EPA 8270D Preparation Method: EPA 3545A								
2-Chlorophenol	<91.9	ug/kg	91.9	1	04/12/18 20:52	04/16/18 17:34	95-57-8	
2-Methylnaphthalene	1520	ug/kg	91.9	1	04/12/18 20:52	04/16/18 17:34	91-57-6	
2-Methylphenol(o-Cresol)	<91.9	ug/kg	91.9	1	04/12/18 20:52	04/16/18 17:34	95-48-7	
2-Nitroaniline	<453	ug/kg	453	1	04/12/18 20:52	04/16/18 17:34	88-74-4	
2-Nitrophenol	<453	ug/kg	453	1	04/12/18 20:52	04/16/18 17:34	88-75-5	
3&4-Methylphenol(m&p Cresol)	<91.9	ug/kg	91.9	1	04/12/18 20:52	04/16/18 17:34		
3,3'-Dichlorobenzidine	<453	ug/kg	453	1	04/12/18 20:52	04/16/18 17:34	91-94-1	
3-Nitroaniline	<453	ug/kg	453	1	04/12/18 20:52	04/16/18 17:34	99-09-2	
4,6-Dinitro-2-methylphenol	<919	ug/kg	919	1	04/12/18 20:52	04/16/18 17:34	534-52-1	
4-Bromophenylphenyl ether	<91.9	ug/kg	91.9	1	04/12/18 20:52	04/16/18 17:34	101-55-3	
4-Chloro-3-methylphenol	<91.9	ug/kg	91.9	1	04/12/18 20:52	04/16/18 17:34	59-50-7	
4-Chloroaniline	<453	ug/kg	453	1	04/12/18 20:52	04/16/18 17:34	106-47-8	
4-Chlorophenylphenyl ether	<91.9	ug/kg	91.9	1	04/12/18 20:52	04/16/18 17:34	7005-72-3	
4-Nitroaniline	<453	ug/kg	453	1	04/12/18 20:52	04/16/18 17:34	100-01-6	
4-Nitrophenol	<919	ug/kg	919	1	04/12/18 20:52	04/16/18 17:34	100-02-7	
Acenaphthene	104	ug/kg	91.9	1	04/12/18 20:52	04/16/18 17:34	83-32-9	
Acenaphthylene	<91.9	ug/kg	91.9	1	04/12/18 20:52	04/16/18 17:34	208-96-8	
Acetophenone	<91.9	ug/kg	91.9	1	04/12/18 20:52	04/16/18 17:34	98-86-2	
Anthracene	<91.9	ug/kg	91.9	1	04/12/18 20:52	04/16/18 17:34	120-12-7	
Atrazine	<91.9	ug/kg	91.9	1	04/12/18 20:52	04/16/18 17:34	1912-24-9	
Benzaldehyde	<91.9	ug/kg	91.9	1	04/12/18 20:52	04/16/18 17:34	100-52-7	CL,L2
Benzo(a)anthracene	92.8	ug/kg	91.9	1	04/12/18 20:52	04/16/18 17:34	56-55-3	
Benzo(a)pyrene	<91.9	ug/kg	91.9	1	04/12/18 20:52	04/16/18 17:34	50-32-8	
Benzo(b)fluoranthene	125	ug/kg	91.9	1	04/12/18 20:52	04/16/18 17:34	205-99-2	
Benzo(g,h,i)perylene	<91.9	ug/kg	91.9	1	04/12/18 20:52	04/16/18 17:34	191-24-2	
Benzo(k)fluoranthene	<91.9	ug/kg	91.9	1	04/12/18 20:52	04/16/18 17:34	207-08-9	
Biphenyl (Diphenyl)	<91.9	ug/kg	91.9	1	04/12/18 20:52	04/16/18 17:34	92-52-4	
Butylbenzylphthalate	<91.9	ug/kg	91.9	1	04/12/18 20:52	04/16/18 17:34	85-68-7	
Caprolactam	<91.9	ug/kg	91.9	1	04/12/18 20:52	04/16/18 17:34	105-60-2	
Carbazole	<91.9	ug/kg	91.9	1	04/12/18 20:52	04/16/18 17:34	86-74-8	
Chrysene	111	ug/kg	91.9	1	04/12/18 20:52	04/16/18 17:34	218-01-9	
Di-n-butylphthalate	<91.9	ug/kg	91.9	1	04/12/18 20:52	04/16/18 17:34	84-74-2	
Di-n-octylphthalate	<91.9	ug/kg	91.9	1	04/12/18 20:52	04/16/18 17:34	117-84-0	
Dibenz(a,h)anthracene	<91.9	ug/kg	91.9	1	04/12/18 20:52	04/16/18 17:34	53-70-3	
Dibenzofuran	132	ug/kg	91.9	1	04/12/18 20:52	04/16/18 17:34	132-64-9	
Diethylphthalate	<91.9	ug/kg	91.9	1	04/12/18 20:52	04/16/18 17:34	84-66-2	
Dimethylphthalate	<91.9	ug/kg	91.9	1	04/12/18 20:52	04/16/18 17:34	131-11-3	
Fluoranthene	199	ug/kg	91.9	1	04/12/18 20:52	04/16/18 17:34	206-44-0	
Fluorene	138	ug/kg	91.9	1	04/12/18 20:52	04/16/18 17:34	86-73-7	
Hexachloro-1,3-butadiene	<91.9	ug/kg	91.9	1	04/12/18 20:52	04/16/18 17:34	87-68-3	
Hexachlorobenzene	<91.9	ug/kg	91.9	1	04/12/18 20:52	04/16/18 17:34	118-74-1	
Hexachlorocyclopentadiene	<453	ug/kg	453	1	04/12/18 20:52	04/16/18 17:34	77-47-4	CL
Hexachloroethane	<91.9	ug/kg	91.9	1	04/12/18 20:52	04/16/18 17:34	67-72-1	
Indeno(1,2,3-cd)pyrene	<91.9	ug/kg	91.9	1	04/12/18 20:52	04/16/18 17:34	193-39-5	
Isophorone	<91.9	ug/kg	91.9	1	04/12/18 20:52	04/16/18 17:34	78-59-1	
N-Nitroso-di-n-propylamine	<91.9	ug/kg	91.9	1	04/12/18 20:52	04/16/18 17:34	621-64-7	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: COYNE TEXTILE FACILITY

Pace Project No.: 7047606

Sample: SOIL - 104 **Lab ID: 7047606010** Collected: 04/06/18 12:15 Received: 04/07/18 11:55 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Analytical Method: EPA 8270D Preparation Method: EPA 3545A								
N-Nitrosodiphenylamine	231	ug/kg	91.9	1	04/12/18 20:52	04/16/18 17:34	86-30-6	
Naphthalene	<91.9	ug/kg	91.9	1	04/12/18 20:52	04/16/18 17:34	91-20-3	
Nitrobenzene	<91.9	ug/kg	91.9	1	04/12/18 20:52	04/16/18 17:34	98-95-3	
Pentachlorophenol	<919	ug/kg	919	1	04/12/18 20:52	04/16/18 17:34	87-86-5	
Phenanthrene	246	ug/kg	91.9	1	04/12/18 20:52	04/16/18 17:34	85-01-8	
Phenol	<91.9	ug/kg	91.9	1	04/12/18 20:52	04/16/18 17:34	108-95-2	
Pyrene	229	ug/kg	91.9	1	04/12/18 20:52	04/16/18 17:34	129-00-0	
bis(2-Chloroethoxy)methane	<91.9	ug/kg	91.9	1	04/12/18 20:52	04/16/18 17:34	111-91-1	
bis(2-Chloroethyl) ether	<91.9	ug/kg	91.9	1	04/12/18 20:52	04/16/18 17:34	111-44-4	
bis(2-Ethylhexyl)phthalate	<91.9	ug/kg	91.9	1	04/12/18 20:52	04/16/18 17:34	117-81-7	
Surrogates								
Nitrobenzene-d5 (S)	46	%	23-120	1	04/12/18 20:52	04/16/18 17:34	4165-60-0	
2-Fluorobiphenyl (S)	77	%	30-115	1	04/12/18 20:52	04/16/18 17:34	321-60-8	
p-Terphenyl-d14 (S)	93	%	18-137	1	04/12/18 20:52	04/16/18 17:34	1718-51-0	
Phenol-d5 (S)	58	%	24-113	1	04/12/18 20:52	04/16/18 17:34	4165-62-2	
2-Fluorophenol (S)	60	%	25-121	1	04/12/18 20:52	04/16/18 17:34	367-12-4	
2,4,6-Tribromophenol (S)	73	%	19-122	1	04/12/18 20:52	04/16/18 17:34	118-79-6	
2-Chlorophenol-d4 (S)	60	%	20-130	1	04/12/18 20:52	04/16/18 17:34	93951-73-6	
1,2-Dichlorobenzene-d4 (S)	70	%	20-130	1	04/12/18 20:52	04/16/18 17:34	2199-69-1	
8260 MSV 5035A-H Med Level Analytical Method: EPA 8260C Preparation Method: EPA 5035A-H/5030C								
Acetone	331	ug/kg	252	1.8	04/12/18 06:51	04/12/18 14:58	67-64-1	CH,IH
Benzene	<252	ug/kg	252	1.8	04/12/18 06:51	04/12/18 14:58	71-43-2	
Bromodichloromethane	<252	ug/kg	252	1.8	04/12/18 06:51	04/12/18 14:58	75-27-4	
Bromoform	<252	ug/kg	252	1.8	04/12/18 06:51	04/12/18 14:58	75-25-2	
Bromomethane	<252	ug/kg	252	1.8	04/12/18 06:51	04/12/18 14:58	74-83-9	L2
2-Butanone (MEK)	<252	ug/kg	252	1.8	04/12/18 06:51	04/12/18 14:58	78-93-3	L1
Carbon disulfide	<252	ug/kg	252	1.8	04/12/18 06:51	04/12/18 14:58	75-15-0	
Carbon tetrachloride	<252	ug/kg	252	1.8	04/12/18 06:51	04/12/18 14:58	56-23-5	
Chlorobenzene	<252	ug/kg	252	1.8	04/12/18 06:51	04/12/18 14:58	108-90-7	
Chloroethane	<252	ug/kg	252	1.8	04/12/18 06:51	04/12/18 14:58	75-00-3	L2
Chloroform	<252	ug/kg	252	1.8	04/12/18 06:51	04/12/18 14:58	67-66-3	
Chloromethane	<252	ug/kg	252	1.8	04/12/18 06:51	04/12/18 14:58	74-87-3	
Cyclohexane	5920	ug/kg	252	1.8	04/12/18 06:51	04/12/18 14:58	110-82-7	CH
1,2-Dibromo-3-chloropropane	<252	ug/kg	252	1.8	04/12/18 06:51	04/12/18 14:58	96-12-8	
Dibromochloromethane	<252	ug/kg	252	1.8	04/12/18 06:51	04/12/18 14:58	124-48-1	
1,2-Dibromoethane (EDB)	<252	ug/kg	252	1.8	04/12/18 06:51	04/12/18 14:58	106-93-4	
1,2-Dichlorobenzene	252	ug/kg	252	1.8	04/12/18 06:51	04/12/18 14:58	95-50-1	
1,3-Dichlorobenzene	<252	ug/kg	252	1.8	04/12/18 06:51	04/12/18 14:58	541-73-1	
1,4-Dichlorobenzene	<252	ug/kg	252	1.8	04/12/18 06:51	04/12/18 14:58	106-46-7	
Dichlorodifluoromethane	<252	ug/kg	252	1.8	04/12/18 06:51	04/12/18 14:58	75-71-8	CL
1,1-Dichloroethane	<252	ug/kg	252	1.8	04/12/18 06:51	04/12/18 14:58	75-34-3	
1,2-Dichloroethane	<252	ug/kg	252	1.8	04/12/18 06:51	04/12/18 14:58	107-06-2	
1,1-Dichloroethene	<252	ug/kg	252	1.8	04/12/18 06:51	04/12/18 14:58	75-35-4	
cis-1,2-Dichloroethene	<252	ug/kg	252	1.8	04/12/18 06:51	04/12/18 14:58	156-59-2	
trans-1,2-Dichloroethene	<252	ug/kg	252	1.8	04/12/18 06:51	04/12/18 14:58	156-60-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: COYNE TEXTILE FACILITY

Pace Project No.: 7047606

Sample: SOIL - 104 **Lab ID: 7047606010** Collected: 04/06/18 12:15 Received: 04/07/18 11:55 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035A-H Med Level		Analytical Method: EPA 8260C Preparation Method: EPA 5035A-H/5030C						
1,2-Dichloropropane	<252	ug/kg	252	1.8	04/12/18 06:51	04/12/18 14:58	78-87-5	
cis-1,3-Dichloropropene	<252	ug/kg	252	1.8	04/12/18 06:51	04/12/18 14:58	10061-01-5	
trans-1,3-Dichloropropene	<252	ug/kg	252	1.8	04/12/18 06:51	04/12/18 14:58	10061-02-6	
Ethylbenzene	<252	ug/kg	252	1.8	04/12/18 06:51	04/12/18 14:58	100-41-4	
2-Hexanone	<252	ug/kg	252	1.8	04/12/18 06:51	04/12/18 14:58	591-78-6	
Isopropylbenzene (Cumene)	5130	ug/kg	252	1.8	04/12/18 06:51	04/12/18 14:58	98-82-8	
Methyl acetate	<252	ug/kg	252	1.8	04/12/18 06:51	04/12/18 14:58	79-20-9	
Methylene Chloride	<252	ug/kg	252	1.8	04/12/18 06:51	04/12/18 14:58	75-09-2	
4-Methyl-2-pentanone (MIBK)	<252	ug/kg	252	1.8	04/12/18 06:51	04/12/18 14:58	108-10-1	
Methyl-tert-butyl ether	<252	ug/kg	252	1.8	04/12/18 06:51	04/12/18 14:58	1634-04-4	
Styrene	<252	ug/kg	252	1.8	04/12/18 06:51	04/12/18 14:58	100-42-5	
1,1,2,2-Tetrachloroethane	<252	ug/kg	252	1.8	04/12/18 06:51	04/12/18 14:58	79-34-5	
Tetrachloroethene	<252	ug/kg	252	1.8	04/12/18 06:51	04/12/18 14:58	127-18-4	
Toluene	<252	ug/kg	252	1.8	04/12/18 06:51	04/12/18 14:58	108-88-3	
1,2,4-Trichlorobenzene	<252	ug/kg	252	1.8	04/12/18 06:51	04/12/18 14:58	120-82-1	
1,1,1-Trichloroethane	<252	ug/kg	252	1.8	04/12/18 06:51	04/12/18 14:58	71-55-6	
1,1,2-Trichloroethane	<252	ug/kg	252	1.8	04/12/18 06:51	04/12/18 14:58	79-00-5	L2
Trichloroethene	<252	ug/kg	252	1.8	04/12/18 06:51	04/12/18 14:58	79-01-6	
Trichlorofluoromethane	<252	ug/kg	252	1.8	04/12/18 06:51	04/12/18 14:58	75-69-4	L2
1,1,2-Trichlorotrifluoroethane	<252	ug/kg	252	1.8	04/12/18 06:51	04/12/18 14:58	76-13-1	
Vinyl chloride	<252	ug/kg	252	1.8	04/12/18 06:51	04/12/18 14:58	75-01-4	
Xylene (Total)	<503	ug/kg	503	1.8	04/12/18 06:51	04/12/18 14:58	1330-20-7	
Surrogates								
Toluene-d8 (S)	60	%	43-157	1.8	04/12/18 06:51	04/12/18 14:58	2037-26-5	
4-Bromofluorobenzene (S)	108	%	34-145	1.8	04/12/18 06:51	04/12/18 14:58	460-00-4	
1,2-Dichloroethane-d4 (S)	118	%	33-150	1.8	04/12/18 06:51	04/12/18 14:58	17060-07-0	
Percent Moisture		Analytical Method: ASTM D2216-92M						
Percent Moisture	27.1	%	0.10	1		04/10/18 17:49		

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: COYNE TEXTILE FACILITY
Pace Project No.: 7047606

QC Batch: 62706 Analysis Method: EPA 6010C
QC Batch Method: EPA 3050B Analysis Description: 6010 MET
Associated Lab Samples: 7047606002, 7047606003, 7047606004, 7047606005, 7047606007, 7047606008, 7047606010

METHOD BLANK: 287921 Matrix: Solid
Associated Lab Samples: 7047606002, 7047606003, 7047606004, 7047606005, 7047606007, 7047606008, 7047606010

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Aluminum	mg/kg	<9.8	9.8	04/11/18 00:09	
Antimony	mg/kg	<2.9	2.9	04/11/18 00:09	
Arsenic	mg/kg	<0.49	0.49	04/11/18 00:09	
Barium	mg/kg	<9.8	9.8	04/11/18 00:09	
Beryllium	mg/kg	<0.24	0.24	04/11/18 00:09	
Cadmium	mg/kg	<0.12	0.12	04/11/18 00:09	
Calcium	mg/kg	<48.9	48.9	04/11/18 00:09	
Chromium	mg/kg	<0.49	0.49	04/11/18 00:09	
Cobalt	mg/kg	<2.4	2.4	04/11/18 00:09	
Copper	mg/kg	<1.2	1.2	04/11/18 00:09	
Iron	mg/kg	<4.9	4.9	04/11/18 00:09	
Lead	mg/kg	<0.24	0.24	04/11/18 00:09	
Magnesium	mg/kg	<48.9	48.9	04/11/18 00:09	
Manganese	mg/kg	<0.73	0.73	04/11/18 00:09	
Nickel	mg/kg	<2.0	2.0	04/11/18 00:09	
Potassium	mg/kg	<245	245	04/11/18 00:09	
Selenium	mg/kg	<0.49	0.49	04/11/18 00:09	
Silver	mg/kg	<0.49	0.49	04/11/18 00:09	
Sodium	mg/kg	<245	245	04/11/18 00:09	
Thallium	mg/kg	<0.49	0.49	04/11/18 00:09	
Vanadium	mg/kg	<2.4	2.4	04/11/18 00:09	
Zinc	mg/kg	<0.98	0.98	04/11/18 00:09	

LABORATORY CONTROL SAMPLE: 287922

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Aluminum	mg/kg	8010	6110	76	47-152	
Antimony	mg/kg	65.2	58.7	90	1-200	
Arsenic	mg/kg	147	122	83	80-120	
Barium	mg/kg	314	277	88	80-120	
Beryllium	mg/kg	53.5	49.4	92	80-120	
Cadmium	mg/kg	193	178	92	80-120	
Calcium	mg/kg	4580	3970	86	80-120	
Chromium	mg/kg	82.7	68.1	82	80-120	
Cobalt	mg/kg	81.4	78.2	96	80-120	
Copper	mg/kg	171	147	86	80-120	
Iron	mg/kg	14100	9140	65	60-140	
Lead	mg/kg	92.4	75.2	81	80-120	
Magnesium	mg/kg	2240	1840	82	80-120	
Manganese	mg/kg	222	212	96	80-120	

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QUALITY CONTROL DATA

Project: COYNE TEXTILE FACILITY

Pace Project No.: 7047606

LABORATORY CONTROL SAMPLE: 287922

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nickel	mg/kg	137	129	94	80-120	
Potassium	mg/kg	2000	1600	80	70-130	
Selenium	mg/kg	187	165	88	80-120	
Silver	mg/kg	40.7	38.0	93	80-120	
Sodium	mg/kg	216	<250	81	72-128	
Thallium	mg/kg	153	141	92	80-120	
Vanadium	mg/kg	86.7	79.6	92	80-120	
Zinc	mg/kg	189	171	90	80-120	

MATRIX SPIKE SAMPLE: 287924

Parameter	Units	7047606003 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Aluminum	mg/kg	5560	337	8210	785	75-125	M1
Antimony	mg/kg	<3.9	50.6	38.3	76	75-125	
Arsenic	mg/kg	4.7	33.7	37.3	97	75-125	
Barium	mg/kg	53.2	33.7	81.2	83	75-125	
Beryllium	mg/kg	<0.32	3.4	3.5	96	75-125	
Cadmium	mg/kg	0.50	3.4	3.6	90	75-125	
Calcium	mg/kg	61300	1690	92500	1850	75-125	M6
Chromium	mg/kg	10	16.9	27.1	102	75-125	
Cobalt	mg/kg	4.9	33.7	36.1	92	75-125	
Copper	mg/kg	32.7	16.9	66.0	197	75-125	M1
Iron	mg/kg	13900	135	14100	163	75-125	M1
Lead	mg/kg	108	33.7	134	76	75-125	
Magnesium	mg/kg	12200	1690	34000	1290	75-125	M1
Manganese	mg/kg	345	16.9	481	809	75-125	M1
Nickel	mg/kg	11.8	16.9	27.1	91	75-125	
Potassium	mg/kg	955	3370	5120	123	75-125	
Selenium	mg/kg	0.67	50.6	48.5	94	75-125	
Silver	mg/kg	<0.65	16.9	16.1	95	75-125	
Sodium	mg/kg	<323	3370	3770	105	75-125	
Thallium	mg/kg	<0.65	50.6	44.4	88	75-125	
Vanadium	mg/kg	15.8	33.7	48.9	98	75-125	
Zinc	mg/kg	63.8	67.6	133	103	75-125	

SAMPLE DUPLICATE: 287923

Parameter	Units	7047606003 Result	Dup Result	RPD	Qualifiers
Aluminum	mg/kg	5560	5820	5	
Antimony	mg/kg	<3.9	<3.8		
Arsenic	mg/kg	4.7	5.4	14	
Barium	mg/kg	53.2	53.5	1	
Beryllium	mg/kg	<0.32	<0.32		
Cadmium	mg/kg	0.50	0.44	14	

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QUALITY CONTROL DATA

Project: COYNE TEXTILE FACILITY

Pace Project No.: 7047606

SAMPLE DUPLICATE: 287923

Parameter	Units	7047606003 Result	Dup Result	RPD	Qualifiers
Calcium	mg/kg	61300	56300	8	
Chromium	mg/kg	10	9.0	11	
Cobalt	mg/kg	4.9	5.1	3	
Copper	mg/kg	32.7	56.3	53	D6
Iron	mg/kg	13900	13200	5	
Lead	mg/kg	108	118	9	
Magnesium	mg/kg	12200	12200	1	
Manganese	mg/kg	345	340	1	
Nickel	mg/kg	11.8	11.8	0	
Potassium	mg/kg	955	990	4	
Selenium	mg/kg	0.67	<0.64		
Silver	mg/kg	<0.65	<0.64		
Sodium	mg/kg	<323	<319		
Thallium	mg/kg	<0.65	<0.64		
Vanadium	mg/kg	15.8	14.6	8	
Zinc	mg/kg	63.8	75.3	16	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: COYNE TEXTILE FACILITY
Pace Project No.: 7047606

QC Batch: 63750 Analysis Method: EPA 8260C
QC Batch Method: EPA 5035A-L Analysis Description: 8260 MSV 5035A-L Low Level
Associated Lab Samples: 7047606001, 7047606002, 7047606003, 7047606004, 7047606005, 7047606006, 7047606008, 7047606009

METHOD BLANK: 292615 Matrix: Solid
Associated Lab Samples: 7047606001, 7047606002, 7047606003, 7047606004, 7047606005, 7047606006, 7047606008, 7047606009

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/kg	<2.0	2.0	04/17/18 06:10	
1,1,2,2-Tetrachloroethane	ug/kg	<2.0	2.0	04/17/18 06:10	
1,1,2-Trichloroethane	ug/kg	<2.0	2.0	04/17/18 06:10	
1,1,2-Trichlorotrifluoroethane	ug/kg	<2.0	2.0	04/17/18 06:10	
1,1-Dichloroethane	ug/kg	<2.0	2.0	04/17/18 06:10	
1,1-Dichloroethene	ug/kg	<2.0	2.0	04/17/18 06:10	
1,2,4-Trichlorobenzene	ug/kg	<2.0	2.0	04/17/18 06:10	
1,2-Dibromo-3-chloropropane	ug/kg	<2.0	2.0	04/17/18 06:10	
1,2-Dibromoethane (EDB)	ug/kg	<2.0	2.0	04/17/18 06:10	
1,2-Dichlorobenzene	ug/kg	<2.0	2.0	04/17/18 06:10	
1,2-Dichloroethane	ug/kg	<2.0	2.0	04/17/18 06:10	
1,2-Dichloropropane	ug/kg	<2.0	2.0	04/17/18 06:10	
1,3-Dichlorobenzene	ug/kg	<2.0	2.0	04/17/18 06:10	
1,4-Dichlorobenzene	ug/kg	<2.0	2.0	04/17/18 06:10	
2-Butanone (MEK)	ug/kg	<2.0	2.0	04/17/18 06:10	
2-Hexanone	ug/kg	<2.0	2.0	04/17/18 06:10	
4-Methyl-2-pentanone (MIBK)	ug/kg	<2.0	2.0	04/17/18 06:10	
Acetone	ug/kg	<2.0	2.0	04/17/18 06:10	CL
Benzene	ug/kg	<2.0	2.0	04/17/18 06:10	
Bromodichloromethane	ug/kg	<2.0	2.0	04/17/18 06:10	
Bromoform	ug/kg	<2.0	2.0	04/17/18 06:10	
Bromomethane	ug/kg	<2.0	2.0	04/17/18 06:10	
Carbon disulfide	ug/kg	<2.0	2.0	04/17/18 06:10	
Carbon tetrachloride	ug/kg	<2.0	2.0	04/17/18 06:10	CL
Chlorobenzene	ug/kg	<2.0	2.0	04/17/18 06:10	
Chloroethane	ug/kg	<2.0	2.0	04/17/18 06:10	
Chloroform	ug/kg	<2.0	2.0	04/17/18 06:10	
Chloromethane	ug/kg	<2.0	2.0	04/17/18 06:10	
cis-1,2-Dichloroethene	ug/kg	<2.0	2.0	04/17/18 06:10	
cis-1,3-Dichloropropene	ug/kg	<2.0	2.0	04/17/18 06:10	
Cyclohexane	ug/kg	<2.0	2.0	04/17/18 06:10	
Dibromochloromethane	ug/kg	<2.0	2.0	04/17/18 06:10	
Dichlorodifluoromethane	ug/kg	<2.0	2.0	04/17/18 06:10	CL
Ethylbenzene	ug/kg	<2.0	2.0	04/17/18 06:10	
Isopropylbenzene (Cumene)	ug/kg	<2.0	2.0	04/17/18 06:10	
Methyl acetate	ug/kg	<2.0	2.0	04/17/18 06:10	
Methyl-tert-butyl ether	ug/kg	<2.0	2.0	04/17/18 06:10	
Methylcyclohexane	ug/kg	<2.0	2.0	04/17/18 06:10	
Methylene Chloride	ug/kg	<2.0	2.0	04/17/18 06:10	
Styrene	ug/kg	<2.0	2.0	04/17/18 06:10	
Tetrachloroethene	ug/kg	<2.0	2.0	04/17/18 06:10	

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QUALITY CONTROL DATA

Project: COYNE TEXTILE FACILITY

Pace Project No.: 7047606

METHOD BLANK: 292615

Matrix: Solid

Associated Lab Samples: 7047606001, 7047606002, 7047606003, 7047606004, 7047606005, 7047606006, 7047606008, 7047606009

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Toluene	ug/kg	<2.0	2.0	04/17/18 06:10	
trans-1,2-Dichloroethene	ug/kg	<2.0	2.0	04/17/18 06:10	
trans-1,3-Dichloropropene	ug/kg	<2.0	2.0	04/17/18 06:10	
Trichloroethene	ug/kg	<2.0	2.0	04/17/18 06:10	
Trichlorofluoromethane	ug/kg	<2.0	2.0	04/17/18 06:10	
Vinyl chloride	ug/kg	<2.0	2.0	04/17/18 06:10	
Xylene (Total)	ug/kg	<3.9	3.9	04/17/18 06:10	
1,2-Dichloroethane-d4 (S)	%	96	33-150	04/17/18 06:10	
4-Bromofluorobenzene (S)	%	98	34-145	04/17/18 06:10	
Toluene-d8 (S)	%	88	43-157	04/17/18 06:10	

LABORATORY CONTROL SAMPLE: 292616

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/kg	50.5	47.2	93	59-134	
1,1,2,2-Tetrachloroethane	ug/kg	50.5	44.3	88	69-132	
1,1,2-Trichloroethane	ug/kg	50.5	60.9	121	73-135	
1,1,2-Trichlorotrifluoroethane	ug/kg	50.5	43.3	86	45-156	
1,1-Dichloroethane	ug/kg	50.5	57.8	115	53-160	
1,1-Dichloroethene	ug/kg	50.5	55.7	110	47-152	
1,2,4-Trichlorobenzene	ug/kg	50.5	38.0	75	52-140	
1,2-Dibromo-3-chloropropane	ug/kg	50.5	44.5	88	57-140	
1,2-Dibromoethane (EDB)	ug/kg	50.5	65.3	129	76-138	
1,2-Dichlorobenzene	ug/kg	50.5	48.9	97	67-125	
1,2-Dichloroethane	ug/kg	50.5	57.0	113	65-143	
1,2-Dichloropropane	ug/kg	50.5	54.7	108	72-131	
1,3-Dichlorobenzene	ug/kg	50.5	49.0	97	64-124	
1,4-Dichlorobenzene	ug/kg	50.5	48.6	96	61-127	
2-Butanone (MEK)	ug/kg	50.5	45.1	89	52-164	
2-Hexanone	ug/kg	50.5	52.2	103	66-151	
4-Methyl-2-pentanone (MIBK)	ug/kg	50.5	62.9	125	63-154	
Acetone	ug/kg	50.5	75.8	150	23-196	CL,IH
Benzene	ug/kg	50.5	52.5	104	65-129	
Bromodichloromethane	ug/kg	50.5	58.6	116	74-141	
Bromoform	ug/kg	50.5	50.5	100	59-136	
Bromomethane	ug/kg	50.5	73.2	145	32-182	CH
Carbon disulfide	ug/kg	50.5	62.2	123	26-160	
Carbon tetrachloride	ug/kg	50.5	30.1	60	57-135	CL
Chlorobenzene	ug/kg	50.5	51.6	102	62-136	
Chloroethane	ug/kg	50.5	58.9	117	50-159	
Chloroform	ug/kg	50.5	54.8	109	71-135	
Chloromethane	ug/kg	50.5	48.0	95	44-139	
cis-1,2-Dichloroethene	ug/kg	50.5	55.1	109	75-130	
cis-1,3-Dichloropropene	ug/kg	50.5	57.6	114	74-140	

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QUALITY CONTROL DATA

Project: COYNE TEXTILE FACILITY

Pace Project No.: 7047606

LABORATORY CONTROL SAMPLE: 292616

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Cyclohexane	ug/kg	50.5	46.9	93	21-139	
Dibromochloromethane	ug/kg	50.5	45.9	91	71-133	
Dichlorodifluoromethane	ug/kg	50.5	30.7	61	10-155	CL
Ethylbenzene	ug/kg	50.5	53.1	105	59-135	
Isopropylbenzene (Cumene)	ug/kg	50.5	49.8	99	56-129	
Methyl acetate	ug/kg	50.5	59.1	117	33-176	
Methyl-tert-butyl ether	ug/kg	50.5	48.1	95	25-171	
Methylcyclohexane	ug/kg	50.5	49.0	97	24-141	
Methylene Chloride	ug/kg	50.5	72.0	143	50-164	CH
Styrene	ug/kg	50.5	56.4	112	73-133	
Tetrachloroethene	ug/kg	50.5	44.2	88	10-176	
Toluene	ug/kg	50.5	64.3	127	66-131	CH
trans-1,2-Dichloroethene	ug/kg	50.5	49.0	97	53-157	
trans-1,3-Dichloropropene	ug/kg	50.5	60.6	120	66-144	
Trichloroethene	ug/kg	50.5	55.2	109	62-130	
Trichlorofluoromethane	ug/kg	50.5	60.0	119	38-166	
Vinyl chloride	ug/kg	50.5	47.0	93	45-137	
Xylene (Total)	ug/kg	152	163	107	62-135	
1,2-Dichloroethane-d4 (S)	%			101	33-150	
4-Bromofluorobenzene (S)	%			104	34-145	
Toluene-d8 (S)	%			85	43-157	

MATRIX SPIKE SAMPLE: 293100

Parameter	Units	7047606002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/kg	<1.7	39.8	28.3	71	59-134	
1,1,2,2-Tetrachloroethane	ug/kg	<1.7	39.8	35.7	90	69-132	
1,1,2-Trichloroethane	ug/kg	<1.7	39.8	40.6	102	73-135	
1,1,2-Trichlorotrifluoroethane	ug/kg	<1.7	39.8	20.0	50	45-156	
1,1-Dichloroethane	ug/kg	<1.7	39.8	39.9	100	53-160	
1,1-Dichloroethene	ug/kg	<1.7	39.8	33.2	83	47-152	
1,2,4-Trichlorobenzene	ug/kg	<1.7	39.8	16.5	41	52-140	M1
1,2-Dibromo-3-chloropropane	ug/kg	<1.7	39.8	33.3	84	57-140	
1,2-Dibromoethane (EDB)	ug/kg	<1.7	39.8	43.0	108	76-138	
1,2-Dichlorobenzene	ug/kg	<1.7	39.8	34.1	86	67-125	
1,2-Dichloroethane	ug/kg	<1.7	39.8	37.8	95	65-143	
1,2-Dichloropropane	ug/kg	<1.7	39.8	36.6	92	72-131	
1,3-Dichlorobenzene	ug/kg	<1.7	39.8	33.6	84	64-124	
1,4-Dichlorobenzene	ug/kg	<1.7	39.8	34.0	85	61-127	
2-Butanone (MEK)	ug/kg	<1.7	39.8	31.0	78	52-164	
2-Hexanone	ug/kg	<1.7	39.8	35.8	90	66-151	
4-Methyl-2-pentanone (MIBK)	ug/kg	<1.7	39.8	45.7	115	63-154	
Acetone	ug/kg	5.3	39.8	10.4	13	23-196	CL,IH,M1
Benzene	ug/kg	<1.7	39.8	33.6	84	65-129	
Bromodichloromethane	ug/kg	<1.7	39.8	39.7	100	74-141	

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QUALITY CONTROL DATA

Project: COYNE TEXTILE FACILITY

Pace Project No.: 7047606

MATRIX SPIKE SAMPLE: 293100		7047606002	Spike	MS	MS	% Rec	
Parameter	Units	Result	Conc.	Result	% Rec	Limits	Qualifiers
Bromoform	ug/kg	<1.7	39.8	34.0	85	59-136	
Bromomethane	ug/kg	<1.7	39.8	53.9	135	32-182	CH
Carbon disulfide	ug/kg	<1.7	39.8	37.9	95	26-160	
Carbon tetrachloride	ug/kg	<1.7	39.8	17.7	44	57-135	CL,M1
Chlorobenzene	ug/kg	<1.7	39.8	35.7	90	62-136	
Chloroethane	ug/kg	<1.7	39.8	41.2	103	50-159	
Chloroform	ug/kg	<1.7	39.8	38.8	97	71-135	
Chloromethane	ug/kg	<1.7	39.8	30.7	77	44-139	
cis-1,2-Dichloroethene	ug/kg	<1.7	39.8	38.0	95	75-130	
cis-1,3-Dichloropropene	ug/kg	<1.7	39.8	36.9	93	74-140	
Cyclohexane	ug/kg	<1.7	39.8	22.6	57	21-139	
Dibromochloromethane	ug/kg	<1.7	39.8	30.8	77	71-133	
Dichlorodifluoromethane	ug/kg	<1.7	39.8	15.8	40	10-155	CL
Ethylbenzene	ug/kg	<1.7	39.8	35.8	90	59-135	
Isopropylbenzene (Cumene)	ug/kg	<1.7	39.8	38.3	96	56-129	
Methyl acetate	ug/kg	<1.7	39.8	38.8	97	33-176	
Methyl-tert-butyl ether	ug/kg	<1.7	39.8	32.3	81	25-171	
Methylcyclohexane	ug/kg	<1.7	39.8	22.8	57	24-141	
Methylene Chloride	ug/kg	<1.7	39.8	52.5	132	50-164	CH
Styrene	ug/kg	<1.7	39.8	37.5	94	73-133	
Tetrachloroethene	ug/kg	<1.7	39.8	26.7	67	10-176	
Toluene	ug/kg	<1.7	39.8	44.5	112	66-131	CH
trans-1,2-Dichloroethene	ug/kg	<1.7	39.8	32.0	80	53-157	
trans-1,3-Dichloropropene	ug/kg	<1.7	39.8	36.8	92	66-144	
Trichloroethene	ug/kg	<1.7	39.8	32.2	81	62-130	
Trichlorofluoromethane	ug/kg	<1.7	39.8	31.6	79	38-166	
Vinyl chloride	ug/kg	<1.7	39.8	28.4	71	45-137	
Xylene (Total)	ug/kg	<3.5	119	112	93	62-135	
1,2-Dichloroethane-d4 (S)	%				92	33-150	
4-Bromofluorobenzene (S)	%				97	34-145	
Toluene-d8 (S)	%				88	43-157	

SAMPLE DUPLICATE: 293101

Parameter	Units	7048402001	Dup	RPD	Qualifiers
		Result	Result		
1,1,1-Trichloroethane	ug/kg	<1.8	<1.7		
1,1,2,2-Tetrachloroethane	ug/kg	<1.8	<1.7		
1,1,2-Trichloroethane	ug/kg	<1.8	<1.7		
1,1,2-Trichlorotrifluoroethane	ug/kg	<1.8	<1.7		
1,1-Dichloroethane	ug/kg	<1.8	<1.7		
1,1-Dichloroethene	ug/kg	<1.8	<1.7		
1,2,4-Trichlorobenzene	ug/kg	<1.8	<1.7		
1,2-Dibromo-3-chloropropane	ug/kg	<1.8	<1.7		
1,2-Dibromoethane (EDB)	ug/kg	<1.8	<1.7		
1,2-Dichlorobenzene	ug/kg	<1.8	<1.7		

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QUALITY CONTROL DATA

Project: COYNE TEXTILE FACILITY

Pace Project No.: 7047606

SAMPLE DUPLICATE: 293101

Parameter	Units	7048402001 Result	Dup Result	RPD	Qualifiers
1,2-Dichloroethane	ug/kg	<1.8	<1.7		
1,2-Dichloropropane	ug/kg	<1.8	<1.7		
1,3-Dichlorobenzene	ug/kg	<1.8	<1.7		
1,4-Dichlorobenzene	ug/kg	<1.8	<1.7		
2-Butanone (MEK)	ug/kg	<1.8	<1.7		
2-Hexanone	ug/kg	<1.8	<1.7		
4-Methyl-2-pentanone (MIBK)	ug/kg	<1.8	<1.7		
Acetone	ug/kg	<1.8	7.9		CL,IH
Benzene	ug/kg	<1.8	<1.7		
Bromodichloromethane	ug/kg	<1.8	<1.7		
Bromoform	ug/kg	<1.8	<1.7		
Bromomethane	ug/kg	<1.8	<1.7		
Carbon disulfide	ug/kg	<1.8	<1.7		
Carbon tetrachloride	ug/kg	<1.8	<1.7		CL
Chlorobenzene	ug/kg	<1.8	<1.7		
Chloroethane	ug/kg	<1.8	<1.7		
Chloroform	ug/kg	<1.8	<1.7		
Chloromethane	ug/kg	<1.8	<1.7		
cis-1,2-Dichloroethene	ug/kg	<1.8	<1.7		
cis-1,3-Dichloropropene	ug/kg	<1.8	<1.7		
Cyclohexane	ug/kg	<1.8	<1.7		
Dibromochloromethane	ug/kg	<1.8	<1.7		
Dichlorodifluoromethane	ug/kg	<1.8	<1.7		CL
Ethylbenzene	ug/kg	3.5	13.2	116	D6
Isopropylbenzene (Cumene)	ug/kg	<1.8	<1.7		
Methyl acetate	ug/kg	<1.8	<1.7		
Methyl-tert-butyl ether	ug/kg	7.4	7.5	1	
Methylcyclohexane	ug/kg	<1.8	<1.7		
Methylene Chloride	ug/kg	<1.8	<1.7		
Styrene	ug/kg	<1.8	<1.7		
Tetrachloroethene	ug/kg	<1.8	<1.7		
Toluene	ug/kg	2.4	8.5	113	CH,D6
trans-1,2-Dichloroethene	ug/kg	<1.8	<1.7		
trans-1,3-Dichloropropene	ug/kg	<1.8	<1.7		
Trichloroethene	ug/kg	<1.8	<1.7		
Trichlorofluoromethane	ug/kg	<1.8	<1.7		
Vinyl chloride	ug/kg	<1.8	<1.7		
Xylene (Total)	ug/kg	13.0	44.8	110	
1,2-Dichloroethane-d4 (S)	%	84	71	20	
4-Bromofluorobenzene (S)	%	98	99	2	
Toluene-d8 (S)	%	90	91	2	

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QUALITY CONTROL DATA

Project: COYNE TEXTILE FACILITY

Pace Project No.: 7047606

QC Batch: 63412

Analysis Method: EPA 8260C

QC Batch Method: EPA 5035A-H/5030C

Analysis Description: 8260 MSV 5035A-H Med

Associated Lab Samples: 7047606007, 7047606010

METHOD BLANK: 291195

Matrix: Solid

Associated Lab Samples: 7047606007, 7047606010

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/kg	<99.0	99.0	04/12/18 09:18	
1,1,2,2-Tetrachloroethane	ug/kg	<99.0	99.0	04/12/18 09:18	
1,1,2-Trichloroethane	ug/kg	<99.0	99.0	04/12/18 09:18	
1,1,2-Trichlorotrifluoroethane	ug/kg	<99.0	99.0	04/12/18 09:18	
1,1-Dichloroethane	ug/kg	<99.0	99.0	04/12/18 09:18	
1,1-Dichloroethene	ug/kg	<99.0	99.0	04/12/18 09:18	
1,2,4-Trichlorobenzene	ug/kg	<99.0	99.0	04/12/18 09:18	
1,2-Dibromo-3-chloropropane	ug/kg	<99.0	99.0	04/12/18 09:18	
1,2-Dibromoethane (EDB)	ug/kg	<99.0	99.0	04/12/18 09:18	
1,2-Dichlorobenzene	ug/kg	<99.0	99.0	04/12/18 09:18	
1,2-Dichloroethane	ug/kg	<99.0	99.0	04/12/18 09:18	
1,2-Dichloropropane	ug/kg	<99.0	99.0	04/12/18 09:18	
1,3-Dichlorobenzene	ug/kg	<99.0	99.0	04/12/18 09:18	
1,4-Dichlorobenzene	ug/kg	<99.0	99.0	04/12/18 09:18	
2-Butanone (MEK)	ug/kg	<99.0	99.0	04/12/18 09:18	
4-Methyl-2-pentanone (MIBK)	ug/kg	<99.0	99.0	04/12/18 09:18	
Acetone	ug/kg	<99.0	99.0	04/12/18 09:18	
Benzene	ug/kg	<99.0	99.0	04/12/18 09:18	
Bromodichloromethane	ug/kg	<99.0	99.0	04/12/18 09:18	
Bromoform	ug/kg	<99.0	99.0	04/12/18 09:18	
Bromomethane	ug/kg	<99.0	99.0	04/12/18 09:18	
Carbon tetrachloride	ug/kg	<99.0	99.0	04/12/18 09:18	
Chlorobenzene	ug/kg	<99.0	99.0	04/12/18 09:18	
Chloroethane	ug/kg	<99.0	99.0	04/12/18 09:18	
Chloroform	ug/kg	<99.0	99.0	04/12/18 09:18	
Chloromethane	ug/kg	<99.0	99.0	04/12/18 09:18	
cis-1,2-Dichloroethene	ug/kg	<99.0	99.0	04/12/18 09:18	
cis-1,3-Dichloropropene	ug/kg	<99.0	99.0	04/12/18 09:18	
Dibromochloromethane	ug/kg	<99.0	99.0	04/12/18 09:18	
Dichlorodifluoromethane	ug/kg	<99.0	99.0	04/12/18 09:18	CL
Ethylbenzene	ug/kg	<99.0	99.0	04/12/18 09:18	
Isopropylbenzene (Cumene)	ug/kg	<99.0	99.0	04/12/18 09:18	
Methyl-tert-butyl ether	ug/kg	<99.0	99.0	04/12/18 09:18	
Methylene Chloride	ug/kg	<99.0	99.0	04/12/18 09:18	
Styrene	ug/kg	<99.0	99.0	04/12/18 09:18	
Tetrachloroethene	ug/kg	<99.0	99.0	04/12/18 09:18	
Toluene	ug/kg	<99.0	99.0	04/12/18 09:18	
trans-1,2-Dichloroethene	ug/kg	<99.0	99.0	04/12/18 09:18	
trans-1,3-Dichloropropene	ug/kg	<99.0	99.0	04/12/18 09:18	
Trichloroethene	ug/kg	<99.0	99.0	04/12/18 09:18	
Trichlorofluoromethane	ug/kg	<99.0	99.0	04/12/18 09:18	

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QUALITY CONTROL DATA

Project: COYNE TEXTILE FACILITY

Pace Project No.: 7047606

METHOD BLANK: 291195

Matrix: Solid

Associated Lab Samples: 7047606007, 7047606010

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Vinyl chloride	ug/kg	<99.0	99.0	04/12/18 09:18	
Xylene (Total)	ug/kg	<198	198	04/12/18 09:18	
1,2-Dichloroethane-d4 (S)	%	109	33-150	04/12/18 09:18	
4-Bromofluorobenzene (S)	%	97	34-145	04/12/18 09:18	
Toluene-d8 (S)	%	95	43-157	04/12/18 09:18	

LABORATORY CONTROL SAMPLE: 291196

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/kg	2530	2190	87	59-134	
1,1,2,2-Tetrachloroethane	ug/kg	2530	2210	88	69-132	
1,1,2-Trichloroethane	ug/kg	2530	1370	54	73-135	L2
1,1,2-Trichlorotrifluoroethane	ug/kg	2530	2130	84	45-156	
1,1-Dichloroethane	ug/kg	2530	2680	106	53-160	
1,1-Dichloroethene	ug/kg	2530	2320	92	47-152	
1,2,4-Trichlorobenzene	ug/kg	2530	1980	79	52-140	
1,2-Dibromo-3-chloropropane	ug/kg	2530	1850	73	57-140	
1,2-Dibromoethane (EDB)	ug/kg	2530	2220	88	76-138	
1,2-Dichlorobenzene	ug/kg	2530	2200	87	67-125	
1,2-Dichloroethane	ug/kg	2530	2400	95	65-143	
1,2-Dichloropropane	ug/kg	2530	2710	107	72-131	
1,3-Dichlorobenzene	ug/kg	2530	2240	89	64-124	
1,4-Dichlorobenzene	ug/kg	2530	2250	89	61-127	
2-Butanone (MEK)	ug/kg	2530	4790	190	52-164	CH,IH,L1
4-Methyl-2-pentanone (MIBK)	ug/kg	2530	2710	107	63-154	CH
Acetone	ug/kg	2530	2570	102	23-196	CH
Benzene	ug/kg	2530	2500	99	65-129	
Bromodichloromethane	ug/kg	2530	2220	88	74-141	
Bromoform	ug/kg	2530	1670	66	59-136	
Bromomethane	ug/kg	2530	355	14	32-182	L2
Carbon tetrachloride	ug/kg	2530	2090	83	57-135	
Chlorobenzene	ug/kg	2530	2050	81	62-136	
Chloroethane	ug/kg	2530	314	12	50-159	CH,L2
Chloroform	ug/kg	2530	2180	86	71-135	
Chloromethane	ug/kg	2530	2750	109	44-139	CH
cis-1,2-Dichloroethene	ug/kg	2530	2400	95	75-130	
cis-1,3-Dichloropropene	ug/kg	2530	2690	107	74-140	CH
Dibromochloromethane	ug/kg	2530	1790	71	71-133	
Dichlorodifluoromethane	ug/kg	2530	1320	52	10-155	CL
Ethylbenzene	ug/kg	2530	2040	81	59-135	
Isopropylbenzene (Cumene)	ug/kg	2530	2230	88	56-129	
Methyl-tert-butyl ether	ug/kg	2530	2250	89	25-171	
Methylene Chloride	ug/kg	2530	2430	96	50-164	
Styrene	ug/kg	2530	2070	82	73-133	

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QUALITY CONTROL DATA

Project: COYNE TEXTILE FACILITY

Pace Project No.: 7047606

LABORATORY CONTROL SAMPLE: 291196

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Tetrachloroethene	ug/kg	2530	1980	78	10-176	
Toluene	ug/kg	2530	2340	92	66-131	
trans-1,2-Dichloroethene	ug/kg	2530	2420	96	53-157	
trans-1,3-Dichloropropene	ug/kg	2530	2670	106	66-144	
Trichloroethene	ug/kg	2530	2150	85	62-130	
Trichlorofluoromethane	ug/kg	2530	201	8	38-166	L2
Vinyl chloride	ug/kg	2530	2400	95	45-137	
Xylene (Total)	ug/kg	7580	6180	82	62-135	
1,2-Dichloroethane-d4 (S)	%			119	33-150	
4-Bromofluorobenzene (S)	%			99	34-145	
Toluene-d8 (S)	%			94	43-157	

MATRIX SPIKE SAMPLE: 291197

Parameter	Units	7047475002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/kg	<159	3980	3640	91	59-134	
1,1,2,2-Tetrachloroethane	ug/kg	<159	3980	3500	88	69-132	
1,1,2-Trichloroethane	ug/kg	<159	3980	3820	96	73-135	
1,1,2-Trichlorotrifluoroethane	ug/kg	<159	3980	3710	93	45-156	
1,1-Dichloroethane	ug/kg	<159	3980	4450	112	53-160	
1,1-Dichloroethene	ug/kg	<159	3980	3990	100	47-152	
1,2,4-Trichlorobenzene	ug/kg	<159	3980	3060	77	52-140	
1,2-Dibromo-3-chloropropane	ug/kg	<159	3980	2740	69	57-140	
1,2-Dibromoethane (EDB)	ug/kg	<159	3980	3430	86	76-138	
1,2-Dichlorobenzene	ug/kg	<159	3980	3500	88	67-125	
1,2-Dichloroethane	ug/kg	<159	3980	3730	94	65-143	
1,2-Dichloropropane	ug/kg	<159	3980	4300	108	72-131	
1,3-Dichlorobenzene	ug/kg	<159	3980	3560	89	64-124	
1,4-Dichlorobenzene	ug/kg	<159	3980	3540	89	61-127	
2-Butanone (MEK)	ug/kg	<159	3980	7800	192	52-164	CH,IH,M0
4-Methyl-2-pentanone (MIBK)	ug/kg	<159	3980	4360	110	63-154	CH
Acetone	ug/kg	507	3980	6700	155	23-196	CH
Benzene	ug/kg	<159	3980	4150	104	65-129	
Bromodichloromethane	ug/kg	<159	3980	3430	86	74-141	
Bromoform	ug/kg	<159	3980	2380	60	59-136	
Bromomethane	ug/kg	<159	3980	664	17	32-182	M0
Carbon tetrachloride	ug/kg	<159	3980	3410	86	57-135	
Chlorobenzene	ug/kg	<159	3980	3300	83	62-136	
Chloroethane	ug/kg	<159	3980	504	13	50-159	CH,M0
Chloroform	ug/kg	<159	3980	3740	94	71-135	
Chloromethane	ug/kg	<159	3980	4790	120	44-139	CH
cis-1,2-Dichloroethene	ug/kg	<159	3980	3920	98	75-130	
cis-1,3-Dichloropropene	ug/kg	<159	3980	4170	105	74-140	CH
Dibromochloromethane	ug/kg	<159	3980	2700	68	71-133	M1
Dichlorodifluoromethane	ug/kg	<159	3980	2250	57	10-155	CL

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QUALITY CONTROL DATA

Project: COYNE TEXTILE FACILITY

Pace Project No.: 7047606

MATRIX SPIKE SAMPLE: 291197

Parameter	Units	7047475002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Ethylbenzene	ug/kg	<159	3980	3370	84	59-135	
Isopropylbenzene (Cumene)	ug/kg	<159	3980	3820	96	56-129	
Methyl-tert-butyl ether	ug/kg	<159	3980	3590	90	25-171	
Methylene Chloride	ug/kg	<159	3980	3700	93	50-164	
Styrene	ug/kg	<159	3980	3280	82	73-133	
Tetrachloroethene	ug/kg	<159	3980	5420	136	10-176	
Toluene	ug/kg	<159	3980	3810	96	66-131	
trans-1,2-Dichloroethene	ug/kg	<159	3980	4050	102	53-157	
trans-1,3-Dichloropropene	ug/kg	<159	3980	4000	100	66-144	
Trichloroethene	ug/kg	<159	3980	3660	92	62-130	
Trichlorofluoromethane	ug/kg	<159	3980	3660	92	38-166	
Vinyl chloride	ug/kg	<159	3980	4170	105	45-137	
Xylene (Total)	ug/kg	<319	11900	10100	84	62-135	
1,2-Dichloroethane-d4 (S)	%				117	33-150	
4-Bromofluorobenzene (S)	%				98	34-145	
Toluene-d8 (S)	%				98	43-157	

SAMPLE DUPLICATE: 291198

Parameter	Units	7047475004 Result	Dup Result	RPD	Qualifiers
1,1,1-Trichloroethane	ug/kg	<126	<126		
1,1,2,2-Tetrachloroethane	ug/kg	<126	<126		
1,1,2-Trichloroethane	ug/kg	<126	<126		
1,1,2-Trichlorotrifluoroethane	ug/kg	<126	<126		
1,1-Dichloroethane	ug/kg	<126	<126		
1,1-Dichloroethene	ug/kg	<126	<126		
1,2,4-Trichlorobenzene	ug/kg	<126	<126		
1,2-Dibromo-3-chloropropane	ug/kg	<126	<126		
1,2-Dibromoethane (EDB)	ug/kg	<126	<126		
1,2-Dichlorobenzene	ug/kg	<126	<126		
1,2-Dichloroethane	ug/kg	<126	<126		
1,2-Dichloropropane	ug/kg	<126	<126		
1,3-Dichlorobenzene	ug/kg	<126	<126		
1,4-Dichlorobenzene	ug/kg	<126	<126		
2-Butanone (MEK)	ug/kg	<126	131		CH,IH
4-Methyl-2-pentanone (MIBK)	ug/kg	<126	<126		
Acetone	ug/kg	236	250		6 CH
Benzene	ug/kg	<126	<126		
Bromodichloromethane	ug/kg	<126	<126		
Bromoform	ug/kg	<126	<126		
Bromomethane	ug/kg	<126	<126		
Carbon tetrachloride	ug/kg	<126	<126		
Chlorobenzene	ug/kg	<126	<126		
Chloroethane	ug/kg	<126	<126		
Chloroform	ug/kg	<126	<126		

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QUALITY CONTROL DATA

Project: COYNE TEXTILE FACILITY

Pace Project No.: 7047606

SAMPLE DUPLICATE: 291198

Parameter	Units	7047475004 Result	Dup Result	RPD	Qualifiers
Chloromethane	ug/kg	<126	<126		
cis-1,2-Dichloroethene	ug/kg	<126	<126		
cis-1,3-Dichloropropene	ug/kg	<126	<126		
Dibromochloromethane	ug/kg	<126	<126		
Dichlorodifluoromethane	ug/kg	<126	<126		CL
Ethylbenzene	ug/kg	<126	<126		
Isopropylbenzene (Cumene)	ug/kg	141	156	9	
Methyl-tert-butyl ether	ug/kg	<126	<126		
Methylene Chloride	ug/kg	<126	<126		
Styrene	ug/kg	<126	<126		
Tetrachloroethene	ug/kg	147	146	1	
Toluene	ug/kg	<126	<126		
trans-1,2-Dichloroethene	ug/kg	<126	<126		
trans-1,3-Dichloropropene	ug/kg	<126	<126		
Trichloroethene	ug/kg	<126	<126		
Trichlorofluoromethane	ug/kg	<126	<126		
Vinyl chloride	ug/kg	<126	<126		
Xylene (Total)	ug/kg	<251	<251		
1,2-Dichloroethane-d4 (S)	%	112	110	1	
4-Bromofluorobenzene (S)	%	155	167	7	S0
Toluene-d8 (S)	%	93	91	1	

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QUALITY CONTROL DATA

Project: COYNE TEXTILE FACILITY

Pace Project No.: 7047606

QC Batch: 63238 Analysis Method: EPA 8081B
QC Batch Method: EPA 3546 Analysis Description: 8081 GCS Pesticides
Associated Lab Samples: 7047606001, 7047606006

METHOD BLANK: 290334 Matrix: Solid

Associated Lab Samples: 7047606001, 7047606006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
4,4'-DDD	ug/kg	<3.3	3.3	04/14/18 22:05	
4,4'-DDE	ug/kg	<3.3	3.3	04/14/18 22:05	
4,4'-DDT	ug/kg	<3.3	3.3	04/14/18 22:05	
Aldrin	ug/kg	<1.7	1.7	04/14/18 22:05	
alpha-BHC	ug/kg	<1.7	1.7	04/14/18 22:05	
alpha-Chlordane	ug/kg	<1.7	1.7	04/14/18 22:05	
beta-BHC	ug/kg	<1.7	1.7	04/14/18 22:05	
delta-BHC	ug/kg	<1.7	1.7	04/14/18 22:05	
Dieldrin	ug/kg	<3.3	3.3	04/14/18 22:05	
Endosulfan I	ug/kg	<1.7	1.7	04/14/18 22:05	
Endosulfan II	ug/kg	<3.3	3.3	04/14/18 22:05	
Endosulfan sulfate	ug/kg	<3.3	3.3	04/14/18 22:05	
Endrin	ug/kg	<3.3	3.3	04/14/18 22:05	
Endrin aldehyde	ug/kg	<3.3	3.3	04/14/18 22:05	
Endrin ketone	ug/kg	<3.3	3.3	04/14/18 22:05	
gamma-BHC (Lindane)	ug/kg	<1.7	1.7	04/14/18 22:05	
gamma-Chlordane	ug/kg	<1.7	1.7	04/14/18 22:05	
Heptachlor	ug/kg	<1.7	1.7	04/14/18 22:05	
Heptachlor epoxide	ug/kg	<1.7	1.7	04/14/18 22:05	
Methoxychlor	ug/kg	<17.0	17.0	04/14/18 22:05	
Toxaphene	ug/kg	<170	170	04/14/18 22:05	
Decachlorobiphenyl (S)	%	72	30-150	04/14/18 22:05	
Tetrachloro-m-xylene (S)	%	74	30-150	04/14/18 22:05	

LABORATORY CONTROL SAMPLE: 290335

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
4,4'-DDD	ug/kg	13.3	13.9	104	57-156	
4,4'-DDE	ug/kg	13.3	12.6	95	52-135	
4,4'-DDT	ug/kg	13.3	13.2	99	64-127	CL
Aldrin	ug/kg	13.3	12.6	94	35-147	
alpha-BHC	ug/kg	13.3	12.4	93	41-135	
alpha-Chlordane	ug/kg	13.3	12.1	90	43-128	
beta-BHC	ug/kg	13.3	13.0	98	42-158	
delta-BHC	ug/kg	13.3	13.7	103	48-142	
Dieldrin	ug/kg	13.3	12.5	94	47-134	
Endosulfan I	ug/kg	13.3	9.5	71	54-145	
Endosulfan II	ug/kg	13.3	11.2	84	61-137	
Endosulfan sulfate	ug/kg	13.3	12.9	97	51-154	
Endrin	ug/kg	13.3	12.8	96	37-146	

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QUALITY CONTROL DATA

Project: COYNE TEXTILE FACILITY

Pace Project No.: 7047606

LABORATORY CONTROL SAMPLE: 290335

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Endrin aldehyde	ug/kg	13.3	12.8	96	31-159	
Endrin ketone	ug/kg	13.3	14.0	105	43-171	
gamma-BHC (Lindane)	ug/kg	13.3	12.2	92	44-139	
gamma-Chlordane	ug/kg	13.3	11.9	89	43-134	
Heptachlor	ug/kg	13.3	12.3	92	57-148	
Heptachlor epoxide	ug/kg	13.3	12.3	92	49-128	
Methoxychlor	ug/kg	13.3	<17.0	92	41-188	CL
Decachlorobiphenyl (S)	%			84	30-150	
Tetrachloro-m-xylene (S)	%			81	30-150	

LABORATORY CONTROL SAMPLE: 290336

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Toxaphene	ug/kg	667	450	68	45-146	
Decachlorobiphenyl (S)	%			129	30-150	
Tetrachloro-m-xylene (S)	%			109	30-150	

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QUALITY CONTROL DATA

Project: COYNE TEXTILE FACILITY

Pace Project No.: 7047606

QC Batch: 63682	Analysis Method: EPA 8081B
QC Batch Method: EPA 3546	Analysis Description: 8081 GCS Pesticides
Associated Lab Samples: 7047606009	

METHOD BLANK: 292416 Matrix: Solid

Associated Lab Samples: 7047606009

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
4,4'-DDD	ug/kg	<3.3	3.3	04/18/18 22:40	
4,4'-DDE	ug/kg	<3.3	3.3	04/18/18 22:40	
4,4'-DDT	ug/kg	<3.3	3.3	04/18/18 22:40	
Aldrin	ug/kg	<1.7	1.7	04/18/18 22:40	
alpha-BHC	ug/kg	<1.7	1.7	04/18/18 22:40	
alpha-Chlordane	ug/kg	<1.7	1.7	04/18/18 22:40	
beta-BHC	ug/kg	<1.7	1.7	04/18/18 22:40	
delta-BHC	ug/kg	<1.7	1.7	04/18/18 22:40	
Dieldrin	ug/kg	<3.3	3.3	04/18/18 22:40	
Endosulfan I	ug/kg	<1.7	1.7	04/18/18 22:40	
Endosulfan II	ug/kg	<3.3	3.3	04/18/18 22:40	
Endosulfan sulfate	ug/kg	<3.3	3.3	04/18/18 22:40	
Endrin	ug/kg	<3.3	3.3	04/18/18 22:40	
Endrin aldehyde	ug/kg	<3.3	3.3	04/18/18 22:40	
Endrin ketone	ug/kg	<3.3	3.3	04/18/18 22:40	
gamma-BHC (Lindane)	ug/kg	<1.7	1.7	04/18/18 22:40	
gamma-Chlordane	ug/kg	<1.7	1.7	04/18/18 22:40	
Heptachlor	ug/kg	<1.7	1.7	04/18/18 22:40	
Heptachlor epoxide	ug/kg	<1.7	1.7	04/18/18 22:40	
Methoxychlor	ug/kg	<17.0	17.0	04/18/18 22:40	
Toxaphene	ug/kg	<170	170	04/18/18 22:40	
Decachlorobiphenyl (S)	%	102	30-150	04/18/18 22:40	CH
Tetrachloro-m-xylene (S)	%	96	30-150	04/18/18 22:40	

LABORATORY CONTROL SAMPLE: 292417

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
4,4'-DDD	ug/kg	13.3	12.5	94	57-156	CH
4,4'-DDE	ug/kg	13.3	11.6	87	52-135	
4,4'-DDT	ug/kg	13.3	12.7	95	64-127	
Aldrin	ug/kg	13.3	11.4	86	35-147	
alpha-BHC	ug/kg	13.3	11.5	86	41-135	
alpha-Chlordane	ug/kg	13.3	10.9	82	43-128	
beta-BHC	ug/kg	13.3	11.3	85	42-158	
delta-BHC	ug/kg	13.3	11.9	89	48-142	
Dieldrin	ug/kg	13.3	11.6	87	47-134	
Endosulfan I	ug/kg	13.3	9.3	70	54-145	
Endosulfan II	ug/kg	13.3	10.5	79	61-137	
Endosulfan sulfate	ug/kg	13.3	12.6	94	51-154	
Endrin	ug/kg	13.3	11.4	85	37-146	

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QUALITY CONTROL DATA

Project: COYNE TEXTILE FACILITY

Pace Project No.: 7047606

LABORATORY CONTROL SAMPLE: 292417

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Endrin aldehyde	ug/kg	13.3	12.0	90	31-159	
Endrin ketone	ug/kg	13.3	13.0	97	43-171	
gamma-BHC (Lindane)	ug/kg	13.3	10.6	80	44-139	
gamma-Chlordane	ug/kg	13.3	11.1	83	43-134	
Heptachlor	ug/kg	13.3	11.3	85	57-148	
Heptachlor epoxide	ug/kg	13.3	11.2	84	49-128	
Methoxychlor	ug/kg	13.3	<17.0	112	41-188	
Decachlorobiphenyl (S)	%			92	30-150	CH
Tetrachloro-m-xylene (S)	%			82	30-150	

LABORATORY CONTROL SAMPLE: 292418

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Toxaphene	ug/kg	667	460	69	45-146	
Decachlorobiphenyl (S)	%			101	30-150	CH
Tetrachloro-m-xylene (S)	%			89	30-150	

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QUALITY CONTROL DATA

Project: COYNE TEXTILE FACILITY

Pace Project No.: 7047606

QC Batch: 63240

Analysis Method: EPA 8082A

QC Batch Method: EPA 3546

Analysis Description: 8082 GCS PCB

Associated Lab Samples: 7047606001, 7047606002, 7047606003, 7047606004, 7047606005, 7047606006, 7047606008, 7047606010

METHOD BLANK: 290343

Matrix: Solid

Associated Lab Samples: 7047606001, 7047606002, 7047606003, 7047606004, 7047606005, 7047606006, 7047606008, 7047606010

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
PCB-1016 (Aroclor 1016)	ug/kg	<33.0	33.0	04/14/18 16:17	
PCB-1221 (Aroclor 1221)	ug/kg	<67.0	67.0	04/14/18 16:17	
PCB-1232 (Aroclor 1232)	ug/kg	<33.0	33.0	04/14/18 16:17	
PCB-1242 (Aroclor 1242)	ug/kg	<33.0	33.0	04/14/18 16:17	
PCB-1248 (Aroclor 1248)	ug/kg	<33.0	33.0	04/14/18 16:17	
PCB-1254 (Aroclor 1254)	ug/kg	<33.0	33.0	04/14/18 16:17	
PCB-1260 (Aroclor 1260)	ug/kg	<33.0	33.0	04/14/18 16:17	
Decachlorobiphenyl (S)	%	81	30-150	04/14/18 16:17	
Tetrachloro-m-xylene (S)	%	69	30-150	04/14/18 16:17	

LABORATORY CONTROL SAMPLE: 290344

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
PCB-1016 (Aroclor 1016)	ug/kg	167	166	100	50-136	
PCB-1260 (Aroclor 1260)	ug/kg	167	202	121	45-154	
Decachlorobiphenyl (S)	%			95	30-150	
Tetrachloro-m-xylene (S)	%			72	30-150	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 290541

290542

Parameter	Units	7047606004		MS		MSD		MS % Rec	MSD % Rec	% Rec Limits	RPD	Qual
		Result	Conc.	Spike Conc.	Spike Conc.	Result	Result					
PCB-1016 (Aroclor 1016)	ug/kg	<39.4	199	199	163	128	82	64	28-173	24		
PCB-1221 (Aroclor 1221)	ug/kg	<80.0			<80.0	<80.0						
PCB-1232 (Aroclor 1232)	ug/kg	<39.4			<39.4	<39.4						
PCB-1242 (Aroclor 1242)	ug/kg	<39.4			<39.4	<39.4						
PCB-1248 (Aroclor 1248)	ug/kg	<39.4			<39.4	<39.4						
PCB-1254 (Aroclor 1254)	ug/kg	<39.4			<39.4	<39.4						
PCB-1260 (Aroclor 1260)	ug/kg	<39.4	199	199	175	181	88	91	43-138	4		
Decachlorobiphenyl (S)	%						48	61	30-150			
Tetrachloro-m-xylene (S)	%						59	34	30-150			

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QUALITY CONTROL DATA

Project: COYNE TEXTILE FACILITY

Pace Project No.: 7047606

QC Batch: 63683	Analysis Method: EPA 8082A
QC Batch Method: EPA 3546	Analysis Description: 8082 GCS PCB
Associated Lab Samples: 7047606007, 7047606009	

METHOD BLANK: 292419 Matrix: Solid

Associated Lab Samples: 7047606007, 7047606009

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
PCB-1016 (Aroclor 1016)	ug/kg	<33.0	33.0	04/17/18 23:19	
PCB-1221 (Aroclor 1221)	ug/kg	<67.0	67.0	04/17/18 23:19	
PCB-1232 (Aroclor 1232)	ug/kg	<33.0	33.0	04/17/18 23:19	
PCB-1242 (Aroclor 1242)	ug/kg	<33.0	33.0	04/17/18 23:19	
PCB-1248 (Aroclor 1248)	ug/kg	<33.0	33.0	04/17/18 23:19	
PCB-1254 (Aroclor 1254)	ug/kg	<33.0	33.0	04/17/18 23:19	
PCB-1260 (Aroclor 1260)	ug/kg	<33.0	33.0	04/17/18 23:19	
Decachlorobiphenyl (S)	%	55	30-150	04/17/18 23:19	
Tetrachloro-m-xylene (S)	%	83	30-150	04/17/18 23:19	

LABORATORY CONTROL SAMPLE: 292420

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
PCB-1016 (Aroclor 1016)	ug/kg	167	195	117	50-136	
PCB-1260 (Aroclor 1260)	ug/kg	167	169	101	45-154	
Decachlorobiphenyl (S)	%			56	30-150	
Tetrachloro-m-xylene (S)	%			82	30-150	

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QUALITY CONTROL DATA

Project: COYNE TEXTILE FACILITY
Pace Project No.: 7047606

QC Batch: 63093 Analysis Method: EPA 8270D
QC Batch Method: EPA 3545A Analysis Description: 8270 Solid MSSV
Associated Lab Samples: 7047606001, 7047606002, 7047606003, 7047606004, 7047606006, 7047606007, 7047606008

METHOD BLANK: 289880 Matrix: Solid
Associated Lab Samples: 7047606001, 7047606002, 7047606003, 7047606004, 7047606006, 7047606007, 7047606008

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,2,4-Trichlorobenzene	ug/kg	<67.0	67.0	04/13/18 17:15	
2,2'-Oxybis(1-chloropropane)	ug/kg	<67.0	67.0	04/13/18 17:15	
2,4,5-Trichlorophenol	ug/kg	<67.0	67.0	04/13/18 17:15	
2,4,6-Trichlorophenol	ug/kg	<67.0	67.0	04/13/18 17:15	
2,4-Dichlorophenol	ug/kg	<67.0	67.0	04/13/18 17:15	
2,4-Dimethylphenol	ug/kg	<67.0	67.0	04/13/18 17:15	
2,4-Dinitrophenol	ug/kg	<67.0	670	04/13/18 17:15	
2,4-Dinitrotoluene	ug/kg	<330	330	04/13/18 17:15	
2,6-Dinitrotoluene	ug/kg	<330	330	04/13/18 17:15	
2-Chloronaphthalene	ug/kg	<67.0	67.0	04/13/18 17:15	
2-Chlorophenol	ug/kg	<67.0	67.0	04/13/18 17:15	
2-Methylnaphthalene	ug/kg	<67.0	67.0	04/13/18 17:15	
2-Methylphenol(o-Cresol)	ug/kg	<67.0	67.0	04/13/18 17:15	
2-Nitroaniline	ug/kg	<330	330	04/13/18 17:15	
2-Nitrophenol	ug/kg	<330	330	04/13/18 17:15	
3&4-Methylphenol(m&p Cresol)	ug/kg	<67.0	67.0	04/13/18 17:15	
3,3'-Dichlorobenzidine	ug/kg	<330	330	04/13/18 17:15	
3-Nitroaniline	ug/kg	<330	330	04/13/18 17:15	
4,6-Dinitro-2-methylphenol	ug/kg	<67.0	670	04/13/18 17:15	
4-Bromophenylphenyl ether	ug/kg	<67.0	67.0	04/13/18 17:15	
4-Chloro-3-methylphenol	ug/kg	<67.0	67.0	04/13/18 17:15	
4-Chloroaniline	ug/kg	<330	330	04/13/18 17:15	
4-Chlorophenylphenyl ether	ug/kg	<67.0	67.0	04/13/18 17:15	
4-Nitroaniline	ug/kg	<330	330	04/13/18 17:15	
4-Nitrophenol	ug/kg	<67.0	670	04/13/18 17:15	CL
Acenaphthene	ug/kg	<67.0	67.0	04/13/18 17:15	
Acenaphthylene	ug/kg	<67.0	67.0	04/13/18 17:15	
Acetophenone	ug/kg	<67.0	67.0	04/13/18 17:15	
Anthracene	ug/kg	<67.0	67.0	04/13/18 17:15	
Atrazine	ug/kg	<67.0	67.0	04/13/18 17:15	
Benzaldehyde	ug/kg	<67.0	67.0	04/13/18 17:15	IC,IL
Benzo(a)anthracene	ug/kg	<67.0	67.0	04/13/18 17:15	
Benzo(a)pyrene	ug/kg	<67.0	67.0	04/13/18 17:15	
Benzo(b)fluoranthene	ug/kg	<67.0	67.0	04/13/18 17:15	
Benzo(g,h,i)perylene	ug/kg	<67.0	67.0	04/13/18 17:15	
Benzo(k)fluoranthene	ug/kg	<67.0	67.0	04/13/18 17:15	
Biphenyl (Diphenyl)	ug/kg	<67.0	67.0	04/13/18 17:15	
bis(2-Chloroethoxy)methane	ug/kg	<67.0	67.0	04/13/18 17:15	
bis(2-Chloroethyl) ether	ug/kg	<67.0	67.0	04/13/18 17:15	
bis(2-Ethylhexyl)phthalate	ug/kg	<67.0	67.0	04/13/18 17:15	
Butylbenzylphthalate	ug/kg	<67.0	67.0	04/13/18 17:15	

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QUALITY CONTROL DATA

Project: COYNE TEXTILE FACILITY

Pace Project No.: 7047606

METHOD BLANK: 289880

Matrix: Solid

Associated Lab Samples: 7047606001, 7047606002, 7047606003, 7047606004, 7047606006, 7047606007, 7047606008

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Caprolactam	ug/kg	<67.0	67.0	04/13/18 17:15	
Carbazole	ug/kg	<67.0	67.0	04/13/18 17:15	
Chrysene	ug/kg	<67.0	67.0	04/13/18 17:15	
Di-n-butylphthalate	ug/kg	<67.0	67.0	04/13/18 17:15	
Di-n-octylphthalate	ug/kg	<67.0	67.0	04/13/18 17:15	
Dibenz(a,h)anthracene	ug/kg	<67.0	67.0	04/13/18 17:15	
Dibenzofuran	ug/kg	<67.0	67.0	04/13/18 17:15	
Diethylphthalate	ug/kg	<67.0	67.0	04/13/18 17:15	
Dimethylphthalate	ug/kg	<67.0	67.0	04/13/18 17:15	
Fluoranthene	ug/kg	<67.0	67.0	04/13/18 17:15	
Fluorene	ug/kg	<67.0	67.0	04/13/18 17:15	
Hexachloro-1,3-butadiene	ug/kg	<67.0	67.0	04/13/18 17:15	
Hexachlorobenzene	ug/kg	<67.0	67.0	04/13/18 17:15	
Hexachlorocyclopentadiene	ug/kg	<330	330	04/13/18 17:15	CL
Hexachloroethane	ug/kg	<67.0	67.0	04/13/18 17:15	
Indeno(1,2,3-cd)pyrene	ug/kg	<67.0	67.0	04/13/18 17:15	
Isophorone	ug/kg	<67.0	67.0	04/13/18 17:15	
N-Nitroso-di-n-propylamine	ug/kg	<67.0	67.0	04/13/18 17:15	
N-Nitrosodiphenylamine	ug/kg	<67.0	67.0	04/13/18 17:15	
Naphthalene	ug/kg	<67.0	67.0	04/13/18 17:15	
Nitrobenzene	ug/kg	<67.0	67.0	04/13/18 17:15	
Pentachlorophenol	ug/kg	<670	670	04/13/18 17:15	CL
Phenanthrene	ug/kg	<67.0	67.0	04/13/18 17:15	
Phenol	ug/kg	<67.0	67.0	04/13/18 17:15	
Pyrene	ug/kg	<67.0	67.0	04/13/18 17:15	
1,2-Dichlorobenzene-d4 (S)	%	61	20-130	04/13/18 17:15	
2,4,6-Tribromophenol (S)	%	55	19-122	04/13/18 17:15	
2-Chlorophenol-d4 (S)	%	62	20-130	04/13/18 17:15	
2-Fluorobiphenyl (S)	%	68	30-115	04/13/18 17:15	
2-Fluorophenol (S)	%	63	25-121	04/13/18 17:15	
Nitrobenzene-d5 (S)	%	65	23-120	04/13/18 17:15	
p-Terphenyl-d14 (S)	%	85	18-137	04/13/18 17:15	
Phenol-d5 (S)	%	63	24-113	04/13/18 17:15	

LABORATORY CONTROL SAMPLE: 289881

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2,4-Trichlorobenzene	ug/kg	1670	1180	71	35-110	
2,2'-Oxybis(1-chloropropane)	ug/kg	1670	1200	72	33-116	
2,4,5-Trichlorophenol	ug/kg	1670	1170	70	45-111	
2,4,6-Trichlorophenol	ug/kg	1670	1230	74	45-110	
2,4-Dichlorophenol	ug/kg	1670	1090	65	41-117	
2,4-Dimethylphenol	ug/kg	1670	983	59	24-96	
2,4-Dinitrophenol	ug/kg	1670	<670	37	10-80	

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QUALITY CONTROL DATA

Project: COYNE TEXTILE FACILITY

Pace Project No.: 7047606

LABORATORY CONTROL SAMPLE: 289881

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
2,4-Dinitrotoluene	ug/kg	1670	1470	88	49-112	
2,6-Dinitrotoluene	ug/kg	1670	1380	83	50-109	
2-Chloronaphthalene	ug/kg	1670	1300	78	35-107	
2-Chlorophenol	ug/kg	1670	1200	72	36-109	
2-Methylnaphthalene	ug/kg	1670	1280	77	31-135	
2-Methylphenol(o-Cresol)	ug/kg	1670	1240	74	36-104	
2-Nitroaniline	ug/kg	1670	1250	75	42-118	
2-Nitrophenol	ug/kg	1670	1230	74	36-117	
3&4-Methylphenol(m&p Cresol)	ug/kg	1670	1150	69	37-137	
3,3'-Dichlorobenzidine	ug/kg	1670	1200	72	41-116	
3-Nitroaniline	ug/kg	1670	1250	75	40-95	
4,6-Dinitro-2-methylphenol	ug/kg	1670	956	57	16-104	
4-Bromophenylphenyl ether	ug/kg	1670	1280	77	50-116	
4-Chloro-3-methylphenol	ug/kg	1670	1130	68	45-118	
4-Chloroaniline	ug/kg	1670	917	55	29-88	
4-Chlorophenylphenyl ether	ug/kg	1670	1230	74	48-111	
4-Nitroaniline	ug/kg	1670	1390	84	46-110	
4-Nitrophenol	ug/kg	1670	890	53	26-118	CL
Acenaphthene	ug/kg	1670	1410	85	45-109	
Acenaphthylene	ug/kg	1670	1380	83	43-107	
Acetophenone	ug/kg	1670	1280	77	10-132	
Anthracene	ug/kg	1670	1510	91	50-117	
Atrazine	ug/kg	1670	1850	111	40-120	
Benzaldehyde	ug/kg	1670	2190	131	40-140	IC,IL
Benzo(a)anthracene	ug/kg	1670	1580	95	52-116	
Benzo(a)pyrene	ug/kg	1670	1650	99	56-119	
Benzo(b)fluoranthene	ug/kg	1670	1580	95	45-122	
Benzo(g,h,i)perylene	ug/kg	1670	1740	104	30-107	
Benzo(k)fluoranthene	ug/kg	1670	1670	100	54-124	
Biphenyl (Diphenyl)	ug/kg	1670	1410	85	40-120	
bis(2-Chloroethoxy)methane	ug/kg	1670	1260	76	29-112	
bis(2-Chloroethyl) ether	ug/kg	1670	1100	66	32-116	
bis(2-Ethylhexyl)phthalate	ug/kg	1670	1760	106	60-127	
Butylbenzylphthalate	ug/kg	1670	1730	104	54-130	
Caprolactam	ug/kg	1670	1460	87	40-120	
Carbazole	ug/kg	1670	1630	98	40-120	
Chrysene	ug/kg	1670	1600	96	48-121	
Di-n-butylphthalate	ug/kg	1670	1640	98	53-124	
Di-n-octylphthalate	ug/kg	1670	1780	107	46-141	
Dibenz(a,h)anthracene	ug/kg	1670	1720	103	52-109	
Dibenzofuran	ug/kg	1670	1390	84	48-112	
Diethylphthalate	ug/kg	1670	1420	85	51-114	
Dimethylphthalate	ug/kg	1670	1370	82	49-112	
Fluoranthene	ug/kg	1670	1570	94	45-126	
Fluorene	ug/kg	1670	1430	86	47-108	
Hexachloro-1,3-butadiene	ug/kg	1670	1020	61	36-118	
Hexachlorobenzene	ug/kg	1670	1330	80	51-110	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: COYNE TEXTILE FACILITY

Pace Project No.: 7047606

LABORATORY CONTROL SAMPLE: 289881

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Hexachlorocyclopentadiene	ug/kg	1670	967	58	10-97	CL
Hexachloroethane	ug/kg	1670	1120	67	34-105	
Indeno(1,2,3-cd)pyrene	ug/kg	1670	1740	105	50-108	
Isophorone	ug/kg	1670	1290	77	14-129	
N-Nitroso-di-n-propylamine	ug/kg	1670	1270	76	33-109	
N-Nitrosodiphenylamine	ug/kg	1670	1450	87	39-90	
Naphthalene	ug/kg	1670	1280	77	18-142	
Nitrobenzene	ug/kg	1670	1240	74	36-119	
Pentachlorophenol	ug/kg	1670	825	50	22-115	CL
Phenanthrene	ug/kg	1670	1500	90	47-124	
Phenol	ug/kg	1670	1140	68	38-104	
Pyrene	ug/kg	1670	1600	96	49-132	
1,2-Dichlorobenzene-d4 (S)	%			66	20-130	
2,4,6-Tribromophenol (S)	%			72	19-122	
2-Chlorophenol-d4 (S)	%			66	20-130	
2-Fluorobiphenyl (S)	%			72	30-115	
2-Fluorophenol (S)	%			65	25-121	
Nitrobenzene-d5 (S)	%			67	23-120	
p-Terphenyl-d14 (S)	%			88	18-137	
Phenol-d5 (S)	%			68	24-113	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 289882 289883

Parameter	Units	7047279001		MS	MSD	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Qual
		Result	Conc.	Spike Conc.	Spike Conc.							
1,2,4-Trichlorobenzene	ug/kg	<75.1	1880	1870	1430	1280	76	69	35-110	10		
2,2'-Oxybis(1-chloropropane)	ug/kg	<75.1	1880	1870	1370	1230	73	66	33-116	11		
2,4,5-Trichlorophenol	ug/kg	<75.1	1880	1870	1150	1110	61	59	45-111	4		
2,4,6-Trichlorophenol	ug/kg	<75.1	1880	1870	1160	1150	62	61	45-110	1		
2,4-Dichlorophenol	ug/kg	<75.1	1880	1870	1460	1260	78	67	41-117	15		
2,4-Dimethylphenol	ug/kg	<75.1	1880	1870	1140	952	61	51	24-96	18		
2,4-Dinitrophenol	ug/kg	<75.1	1880	1870	995	917	53	49	10-80	8		
2,4-Dinitrotoluene	ug/kg	<370	1880	1870	1750	1580	93	85	49-112	10		
2,6-Dinitrotoluene	ug/kg	<370	1880	1870	1670	1560	89	84	50-109	7		
2-Chloronaphthalene	ug/kg	<75.1	1880	1870	1540	1440	82	77	35-107	7		
2-Chlorophenol	ug/kg	<75.1	1880	1870	1360	1190	73	64	36-109	13		
2-Methylnaphthalene	ug/kg	<75.1	1880	1870	1590	1500	85	80	31-135	6		
2-Methylphenol(o-Cresol)	ug/kg	<75.1	1880	1870	1250	1110	66	60	36-104	11		
2-Nitroaniline	ug/kg	<370	1880	1870	1540	1420	82	76	42-118	8		
2-Nitrophenol	ug/kg	<370	1880	1870	1510	1360	80	73	36-117	10		
3&4-Methylphenol(m&p Cresol)	ug/kg	<75.1	1880	1870	1310	1060	70	57	37-137	21		
3,3'-Dichlorobenzidine	ug/kg	<370	1880	1870	589	692	31	37	41-116	16 M1		
3-Nitroaniline	ug/kg	<370	1880	1870	1350	1320	72	71	40-95	2		
4,6-Dinitro-2-methylphenol	ug/kg	<75.1	1880	1870	1180	1100	63	59	16-104	8		

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QUALITY CONTROL DATA

Project: COYNE TEXTILE FACILITY

Pace Project No.: 7047606

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 289882			289883									
Parameter	Units	7047279001	MS	MSD	MS	MSD	MS	MSD	% Rec	Limits	RPD	Qual
		Result	Spike Conc.	Spike Conc.	Result	Result	% Rec	% Rec				
4-Bromophenylphenyl ether	ug/kg	<75.1	1880	1870	1580	1480	84	79	50-116	7		
4-Chloro-3-methylphenol	ug/kg	<75.1	1880	1870	1540	1520	82	81	45-118	2		
4-Chloroaniline	ug/kg	<370	1880	1870	1070	926	57	50	29-88	15		
4-Chlorophenylphenyl ether	ug/kg	<75.1	1880	1870	1560	1450	83	78	48-111	7		
4-Nitroaniline	ug/kg	<370	1880	1870	1360	1320	73	71	46-110	3		
4-Nitrophenol	ug/kg	<75.1	1880	1870	1060	769	57	41	26-118	32	CL,R1	
Acenaphthene	ug/kg	<75.1	1880	1870	1800	1630	96	87	45-109	10		
Acenaphthylene	ug/kg	<75.1	1880	1870	1730	1590	92	85	43-107	8		
Acetophenone	ug/kg	<75.1	1880	1870	1470	1370	78	73	10-132	7		
Anthracene	ug/kg	<75.1	1880	1870	2000	1690	106	91	50-117	16		
Atrazine	ug/kg	<75.1	1880	1870	2050	1940	109	104	40-120	5		
Benzaldehyde	ug/kg	<75.1	1880	1870	1600	1520	85	81	40-140	5	IC,IL	
Benzo(a)anthracene	ug/kg	393	1880	1870	3070	2290	143	102	52-116	29	M1	
Benzo(a)pyrene	ug/kg	400	1880	1870	3040	2300	141	102	56-119	28	M1	
Benzo(b)fluoranthene	ug/kg	493	1880	1870	3140	2270	141	95	45-122	32	M1,R1	
Benzo(g,h,i)perylene	ug/kg	317	1880	1870	2530	2340	118	108	30-107	8	M1	
Benzo(k)fluoranthene	ug/kg	207	1880	1870	2530	2120	124	103	54-124	18		
Biphenyl (Diphenyl)	ug/kg	<75.1	1880	1870	1720	1570	92	84	40-120	9		
bis(2-Chloroethoxy)methane	ug/kg	<75.1	1880	1870	1540	1390	82	74	29-112	11		
bis(2-Chloroethyl) ether	ug/kg	<75.1	1880	1870	1370	1220	73	65	32-116	11		
bis(2-Ethylhexyl)phthalate	ug/kg	<75.1	1880	1870	2010	2060	107	110	60-127	3		
Butylbenzylphthalate	ug/kg	<75.1	1880	1870	1950	1890	104	101	54-130	4		
Caprolactam	ug/kg	<75.1	1880	1870	1860	1760	99	94	40-120	5		
Carbazole	ug/kg	<75.1	1880	1870	1910	1770	102	95	40-120	7		
Chrysene	ug/kg	402	1880	1870	3240	2350	151	104	48-121	32	M1,R1	
Di-n-butylphthalate	ug/kg	<75.1	1880	1870	1790	1740	95	93	53-124	3		
Di-n-octylphthalate	ug/kg	<75.1	1880	1870	2030	1870	108	100	46-141	8		
Dibenz(a,h)anthracene	ug/kg	79.8	1880	1870	2060	2000	106	103	52-109	3		
Dibenzofuran	ug/kg	<75.1	1880	1870	1740	1580	93	84	48-112	10		
Diethylphthalate	ug/kg	<75.1	1880	1870	1680	1590	89	85	51-114	5		
Dimethylphthalate	ug/kg	<75.1	1880	1870	1640	1520	88	81	49-112	8		
Fluoranthene	ug/kg	649	1880	1870	3610	2560	158	102	45-126	34	M1,R1	
Fluorene	ug/kg	<75.1	1880	1870	1790	1660	96	89	47-108	8		
Hexachloro-1,3-butadiene	ug/kg	<75.1	1880	1870	1200	1120	64	60	36-118	7		
Hexachlorobenzene	ug/kg	<75.1	1880	1870	1670	1580	89	85	51-110	5		
Hexachlorocyclopentadiene	ug/kg	<370	1880	1870	386	<370	21	19	10-97		CL	
Hexachloroethane	ug/kg	<75.1	1880	1870	1160	1050	62	56	34-105	10		
Indeno(1,2,3-cd)pyrene	ug/kg	316	1880	1870	2620	2370	123	110	50-108	10	M1	
Isophorone	ug/kg	<75.1	1880	1870	1560	1390	83	75	14-129	11		
N-Nitroso-di-n-propylamine	ug/kg	<75.1	1880	1870	1470	1310	78	70	33-109	12		
N-Nitrosodiphenylamine	ug/kg	<75.1	1880	1870	1690	1570	90	84	39-90	7		
Naphthalene	ug/kg	<75.1	1880	1870	1600	1440	85	77	18-142	10		
Nitrobenzene	ug/kg	<75.1	1880	1870	1480	1340	79	72	36-119	10		
Pentachlorophenol	ug/kg	<75.1	1880	1870	<75.3	<75.1	4	11	22-115		CL,M1	
Phenanthrene	ug/kg	292	1880	1870	2710	2060	129	95	47-124	27	M1	
Phenol	ug/kg	<75.1	1880	1870	1380	1010	74	54	38-104	31	R1	

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QUALITY CONTROL DATA

Project: COYNE TEXTILE FACILITY

Pace Project No.: 7047606

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 289882												289883	
Parameter	Units	7047279001 Result	MS	MSD	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Qual		
			Spike Conc.	Spike Conc.									
Pyrene	ug/kg	671	1880	1870	4130	2750	184	111	49-132	40	M1,R1		
1,2-Dichlorobenzene-d4 (S)	%						65	58	20-130				
2,4,6-Tribromophenol (S)	%						56	66	19-122				
2-Chlorophenol-d4 (S)	%						65	61	20-130				
2-Fluorobiphenyl (S)	%						79	74	30-115				
2-Fluorophenol (S)	%						60	57	25-121				
Nitrobenzene-d5 (S)	%						71	67	23-120				
p-Terphenyl-d14 (S)	%						89	92	18-137				
Phenol-d5 (S)	%						67	65	24-113				

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QUALITY CONTROL DATA

Project: COYNE TEXTILE FACILITY

Pace Project No.: 7047606

QC Batch: 63265 Analysis Method: EPA 8270D
QC Batch Method: EPA 3545A Analysis Description: 8270 Solid MSSV
Associated Lab Samples: 7047606009, 7047606010

METHOD BLANK: 290538 Matrix: Solid

Associated Lab Samples: 7047606009, 7047606010

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,2,4-Trichlorobenzene	ug/kg	<67.0	67.0	04/16/18 13:48	
2,2'-Oxybis(1-chloropropane)	ug/kg	<67.0	67.0	04/16/18 13:48	
2,4,5-Trichlorophenol	ug/kg	<67.0	67.0	04/16/18 13:48	
2,4,6-Trichlorophenol	ug/kg	<67.0	67.0	04/16/18 13:48	
2,4-Dichlorophenol	ug/kg	<67.0	67.0	04/16/18 13:48	
2,4-Dimethylphenol	ug/kg	<67.0	67.0	04/16/18 13:48	
2,4-Dinitrophenol	ug/kg	<67.0	67.0	04/16/18 13:48	
2,4-Dinitrotoluene	ug/kg	<330	330	04/16/18 13:48	
2,6-Dinitrotoluene	ug/kg	<330	330	04/16/18 13:48	
2-Chloronaphthalene	ug/kg	<67.0	67.0	04/16/18 13:48	
2-Chlorophenol	ug/kg	<67.0	67.0	04/16/18 13:48	
2-Methylnaphthalene	ug/kg	<67.0	67.0	04/16/18 13:48	
2-Methylphenol(o-Cresol)	ug/kg	<67.0	67.0	04/16/18 13:48	
2-Nitroaniline	ug/kg	<330	330	04/16/18 13:48	
2-Nitrophenol	ug/kg	<330	330	04/16/18 13:48	
3&4-Methylphenol(m&p Cresol)	ug/kg	<67.0	67.0	04/16/18 13:48	
3,3'-Dichlorobenzidine	ug/kg	<330	330	04/16/18 13:48	
3-Nitroaniline	ug/kg	<330	330	04/16/18 13:48	
4,6-Dinitro-2-methylphenol	ug/kg	<67.0	67.0	04/16/18 13:48	
4-Bromophenylphenyl ether	ug/kg	<67.0	67.0	04/16/18 13:48	
4-Chloro-3-methylphenol	ug/kg	<67.0	67.0	04/16/18 13:48	
4-Chloroaniline	ug/kg	<330	330	04/16/18 13:48	
4-Chlorophenylphenyl ether	ug/kg	<67.0	67.0	04/16/18 13:48	
4-Nitroaniline	ug/kg	<330	330	04/16/18 13:48	
4-Nitrophenol	ug/kg	<67.0	67.0	04/16/18 13:48	
Acenaphthene	ug/kg	<67.0	67.0	04/16/18 13:48	
Acenaphthylene	ug/kg	<67.0	67.0	04/16/18 13:48	
Acetophenone	ug/kg	<67.0	67.0	04/16/18 13:48	
Anthracene	ug/kg	<67.0	67.0	04/16/18 13:48	
Atrazine	ug/kg	<67.0	67.0	04/16/18 13:48	
Benzaldehyde	ug/kg	<67.0	67.0	04/16/18 13:48	CL,IC,IL
Benzo(a)anthracene	ug/kg	<67.0	67.0	04/16/18 13:48	
Benzo(a)pyrene	ug/kg	<67.0	67.0	04/16/18 13:48	
Benzo(b)fluoranthene	ug/kg	<67.0	67.0	04/16/18 13:48	
Benzo(g,h,i)perylene	ug/kg	<67.0	67.0	04/16/18 13:48	
Benzo(k)fluoranthene	ug/kg	<67.0	67.0	04/16/18 13:48	
Biphenyl (Diphenyl)	ug/kg	<67.0	67.0	04/16/18 13:48	
bis(2-Chloroethoxy)methane	ug/kg	<67.0	67.0	04/16/18 13:48	
bis(2-Chloroethyl) ether	ug/kg	<67.0	67.0	04/16/18 13:48	
bis(2-Ethylhexyl)phthalate	ug/kg	<67.0	67.0	04/16/18 13:48	
Butylbenzylphthalate	ug/kg	<67.0	67.0	04/16/18 13:48	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: COYNE TEXTILE FACILITY

Pace Project No.: 7047606

METHOD BLANK: 290538

Matrix: Solid

Associated Lab Samples: 7047606009, 7047606010

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Caprolactam	ug/kg	<67.0	67.0	04/16/18 13:48	
Carbazole	ug/kg	<67.0	67.0	04/16/18 13:48	
Chrysene	ug/kg	<67.0	67.0	04/16/18 13:48	
Di-n-butylphthalate	ug/kg	<67.0	67.0	04/16/18 13:48	
Di-n-octylphthalate	ug/kg	<67.0	67.0	04/16/18 13:48	
Dibenz(a,h)anthracene	ug/kg	<67.0	67.0	04/16/18 13:48	
Dibenzofuran	ug/kg	<67.0	67.0	04/16/18 13:48	
Diethylphthalate	ug/kg	<67.0	67.0	04/16/18 13:48	
Dimethylphthalate	ug/kg	<67.0	67.0	04/16/18 13:48	
Fluoranthene	ug/kg	<67.0	67.0	04/16/18 13:48	
Fluorene	ug/kg	<67.0	67.0	04/16/18 13:48	
Hexachloro-1,3-butadiene	ug/kg	<67.0	67.0	04/16/18 13:48	
Hexachlorobenzene	ug/kg	<67.0	67.0	04/16/18 13:48	
Hexachlorocyclopentadiene	ug/kg	<330	330	04/16/18 13:48	CL
Hexachloroethane	ug/kg	<67.0	67.0	04/16/18 13:48	
Indeno(1,2,3-cd)pyrene	ug/kg	<67.0	67.0	04/16/18 13:48	
Isophorone	ug/kg	<67.0	67.0	04/16/18 13:48	
N-Nitroso-di-n-propylamine	ug/kg	<67.0	67.0	04/16/18 13:48	
N-Nitrosodiphenylamine	ug/kg	<67.0	67.0	04/16/18 13:48	
Naphthalene	ug/kg	<67.0	67.0	04/16/18 13:48	
Nitrobenzene	ug/kg	<67.0	67.0	04/16/18 13:48	
Pentachlorophenol	ug/kg	<670	670	04/16/18 13:48	
Phenanthrene	ug/kg	<67.0	67.0	04/16/18 13:48	
Phenol	ug/kg	<67.0	67.0	04/16/18 13:48	
Pyrene	ug/kg	<67.0	67.0	04/16/18 13:48	
1,2-Dichlorobenzene-d4 (S)	%	69	20-130	04/16/18 13:48	
2,4,6-Tribromophenol (S)	%	78	19-122	04/16/18 13:48	
2-Chlorophenol-d4 (S)	%	70	20-130	04/16/18 13:48	
2-Fluorobiphenyl (S)	%	77	30-115	04/16/18 13:48	
2-Fluorophenol (S)	%	63	25-121	04/16/18 13:48	
Nitrobenzene-d5 (S)	%	71	23-120	04/16/18 13:48	
p-Terphenyl-d14 (S)	%	91	18-137	04/16/18 13:48	
Phenol-d5 (S)	%	70	24-113	04/16/18 13:48	

LABORATORY CONTROL SAMPLE: 290539

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2,4-Trichlorobenzene	ug/kg	1670	1100	66	35-110	
2,2'-Oxybis(1-chloropropane)	ug/kg	1670	879	53	33-116	
2,4,5-Trichlorophenol	ug/kg	1670	1240	74	45-111	
2,4,6-Trichlorophenol	ug/kg	1670	1130	68	45-110	
2,4-Dichlorophenol	ug/kg	1670	1180	71	41-117	
2,4-Dimethylphenol	ug/kg	1670	966	58	24-96	
2,4-Dinitrophenol	ug/kg	1670	<670	29	10-80	

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QUALITY CONTROL DATA

Project: COYNE TEXTILE FACILITY

Pace Project No.: 7047606

LABORATORY CONTROL SAMPLE: 290539

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
2,4-Dinitrotoluene	ug/kg	1670	1140	69	49-112	
2,6-Dinitrotoluene	ug/kg	1670	1140	68	50-109	
2-Chloronaphthalene	ug/kg	1670	1050	63	35-107	
2-Chlorophenol	ug/kg	1670	995	60	36-109	
2-Methylnaphthalene	ug/kg	1670	1070	64	31-135	
2-Methylphenol(o-Cresol)	ug/kg	1670	1010	60	36-104	
2-Nitroaniline	ug/kg	1670	1030	62	42-118	
2-Nitrophenol	ug/kg	1670	1080	65	36-117	
3&4-Methylphenol(m&p Cresol)	ug/kg	1670	1010	61	37-137	
3,3'-Dichlorobenzidine	ug/kg	1670	999	60	41-116	
3-Nitroaniline	ug/kg	1670	866	52	40-95	
4,6-Dinitro-2-methylphenol	ug/kg	1670	726	44	16-104	
4-Bromophenylphenyl ether	ug/kg	1670	1110	67	50-116	
4-Chloro-3-methylphenol	ug/kg	1670	1150	69	45-118	
4-Chloroaniline	ug/kg	1670	712	43	29-88	
4-Chlorophenylphenyl ether	ug/kg	1670	1130	68	48-111	
4-Nitroaniline	ug/kg	1670	886	53	46-110	
4-Nitrophenol	ug/kg	1670	1130	68	26-118	
Acenaphthene	ug/kg	1670	1080	65	45-109	
Acenaphthylene	ug/kg	1670	1110	67	43-107	
Acetophenone	ug/kg	1670	1070	64	10-132	
Anthracene	ug/kg	1670	1130	68	50-117	
Atrazine	ug/kg	1670	1450	87	40-120	
Benzaldehyde	ug/kg	1670	344	21	40-140	CL,IC,IL,L2
Benzo(a)anthracene	ug/kg	1670	1170	70	52-116	
Benzo(a)pyrene	ug/kg	1670	1160	70	56-119	
Benzo(b)fluoranthene	ug/kg	1670	1170	70	45-122	
Benzo(g,h,i)perylene	ug/kg	1670	1220	73	30-107	
Benzo(k)fluoranthene	ug/kg	1670	1110	67	54-124	
Biphenyl (Diphenyl)	ug/kg	1670	1080	65	40-120	
bis(2-Chloroethoxy)methane	ug/kg	1670	969	58	29-112	
bis(2-Chloroethyl) ether	ug/kg	1670	824	49	32-116	
bis(2-Ethylhexyl)phthalate	ug/kg	1670	1040	62	60-127	
Butylbenzylphthalate	ug/kg	1670	1030	62	54-130	
Caprolactam	ug/kg	1670	1120	67	40-120	
Carbazole	ug/kg	1670	1140	68	40-120	
Chrysene	ug/kg	1670	1140	69	48-121	
Di-n-butylphthalate	ug/kg	1670	1180	71	53-124	
Di-n-octylphthalate	ug/kg	1670	1060	63	46-141	
Dibenz(a,h)anthracene	ug/kg	1670	1110	67	52-109	
Dibenzofuran	ug/kg	1670	1090	65	48-112	
Diethylphthalate	ug/kg	1670	1150	69	51-114	
Dimethylphthalate	ug/kg	1670	1150	69	49-112	
Fluoranthene	ug/kg	1670	1220	73	45-126	
Fluorene	ug/kg	1670	1090	65	47-108	
Hexachloro-1,3-butadiene	ug/kg	1670	1130	68	36-118	
Hexachlorobenzene	ug/kg	1670	1210	72	51-110	

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QUALITY CONTROL DATA

Project: COYNE TEXTILE FACILITY

Pace Project No.: 7047606

LABORATORY CONTROL SAMPLE: 290539

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Hexachlorocyclopentadiene	ug/kg	1670	787	47	10-97	CL
Hexachloroethane	ug/kg	1670	1020	61	34-105	
Indeno(1,2,3-cd)pyrene	ug/kg	1670	1120	67	50-108	
Isophorone	ug/kg	1670	1080	65	14-129	
N-Nitroso-di-n-propylamine	ug/kg	1670	994	60	33-109	
N-Nitrosodiphenylamine	ug/kg	1670	1120	67	39-90	
Naphthalene	ug/kg	1670	1090	65	18-142	
Nitrobenzene	ug/kg	1670	1070	64	36-119	
Pentachlorophenol	ug/kg	1670	1030	62	22-115	
Phenanthrene	ug/kg	1670	1160	69	47-124	
Phenol	ug/kg	1670	1100	66	38-104	
Pyrene	ug/kg	1670	1300	78	49-132	
1,2-Dichlorobenzene-d4 (S)	%			56	20-130	
2,4,6-Tribromophenol (S)	%			77	19-122	
2-Chlorophenol-d4 (S)	%			61	20-130	
2-Fluorobiphenyl (S)	%			64	30-115	
2-Fluorophenol (S)	%			56	25-121	
Nitrobenzene-d5 (S)	%			62	23-120	
p-Terphenyl-d14 (S)	%			76	18-137	
Phenol-d5 (S)	%			60	24-113	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 290591 290592

Parameter	Units	7047466001		MS	MSD	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Qual
		Result	Conc.	Spike Conc.	Spike Conc.							
1,2,4-Trichlorobenzene	ug/kg	<77.7	1940	1940	1940	1130	1120	59	58	35-110	1	
2,2'-Oxybis(1-chloropropane)	ug/kg	<77.7	1940	1940	1940	908	917	47	47	33-116	1	
2,4,5-Trichlorophenol	ug/kg	<77.7	1940	1940	1940	1250	1250	65	65	45-111	0	
2,4,6-Trichlorophenol	ug/kg	<77.7	1940	1940	1940	1030	995	53	51	45-110	3	
2,4-Dichlorophenol	ug/kg	<77.7	1940	1940	1940	1080	1090	56	56	41-117	0	
2,4-Dimethylphenol	ug/kg	<77.7	1940	1940	1940	197	231	10	12	24-96	16	M1
2,4-Dinitrophenol	ug/kg	<777	1940	1940	1940	1150	1090	60	56	10-80	6	
2,4-Dinitrotoluene	ug/kg	<383	1940	1940	1940	1540	1540	80	80	49-112	0	
2,6-Dinitrotoluene	ug/kg	<383	1940	1940	1940	1410	1450	73	75	50-109	3	
2-Chloronaphthalene	ug/kg	<77.7	1940	1940	1940	1280	1320	66	69	35-107	4	
2-Chlorophenol	ug/kg	<77.7	1940	1940	1940	944	936	49	48	36-109	1	
2-Methylnaphthalene	ug/kg	<77.7	1940	1940	1940	1330	1350	69	70	31-135	1	
2-Methylphenol(o-Cresol)	ug/kg	<77.7	1940	1940	1940	704	669	36	35	36-104	5	M1
2-Nitroaniline	ug/kg	<383	1940	1940	1940	1240	1350	64	70	42-118	8	
2-Nitrophenol	ug/kg	<383	1940	1940	1940	1160	1160	60	60	36-117	1	
3&4-Methylphenol(m&p Cresol)	ug/kg	<77.7	1940	1940	1940	702	769	36	40	37-137	9	M1
3,3'-Dichlorobenzidine	ug/kg	<383	1940	1940	1940	668	557	35	29	41-116	18	M1
3-Nitroaniline	ug/kg	<383	1940	1940	1940	1220	1280	63	66	40-95	5	
4,6-Dinitro-2-methylphenol	ug/kg	<777	1940	1940	1940	1290	1230	67	64	16-104	4	

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QUALITY CONTROL DATA

Project: COYNE TEXTILE FACILITY

Pace Project No.: 7047606

Parameter	7047466001		MS		MSD		MS		MSD		% Rec	Limits	RPD	Qual
	Units	Result	Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	% Rec	MSD % Rec						
4-Bromophenylphenyl ether	ug/kg	<77.7	1940	1940	1450	1530	75	79	50-116	5				
4-Chloro-3-methylphenol	ug/kg	<77.7	1940	1940	1200	1110	62	57	45-118	8				
4-Chloroaniline	ug/kg	<383	1940	1940	680	730	35	38	29-88	7				
4-Chlorophenylphenyl ether	ug/kg	<77.7	1940	1940	1360	1400	70	73	48-111	3				
4-Nitroaniline	ug/kg	<383	1940	1940	1410	1440	73	74	46-110	2				
4-Nitrophenol	ug/kg	<777	1940	1940	816	1240	42	64	26-118	42	R1			
Acenaphthene	ug/kg	<77.7	1940	1940	1480	1510	76	78	45-109	2				
Acenaphthylene	ug/kg	<77.7	1940	1940	1400	1450	73	75	43-107	3				
Acetophenone	ug/kg	<77.7	1940	1940	1120	1130	58	58	10-132	1				
Anthracene	ug/kg	<77.7	1940	1940	1620	1640	84	85	50-117	1				
Atrazine	ug/kg	<77.7	1940	1940	1730	1790	89	92	40-120	3				
Benzaldehyde	ug/kg	<77.7	1940	1940	1010	1150	52	60	40-140	13	CL,IC,IL			
Benzo(a)anthracene	ug/kg	<77.7	1940	1940	1720	1730	89	90	52-116	1				
Benzo(a)pyrene	ug/kg	<77.7	1940	1940	1760	1790	91	93	56-119	2				
Benzo(b)fluoranthene	ug/kg	<77.7	1940	1940	1670	1670	86	87	45-122	0				
Benzo(g,h,i)perylene	ug/kg	<77.7	1940	1940	2120	2160	110	112	30-107	2	M1			
Benzo(k)fluoranthene	ug/kg	<77.7	1940	1940	1780	1770	92	92	54-124	0				
Biphenyl (Diphenyl)	ug/kg	<77.7	1940	1940	1420	1470	74	76	40-120	3				
bis(2-Chloroethoxy)methane	ug/kg	<77.7	1940	1940	1160	1160	60	60	29-112	0				
bis(2-Chloroethyl) ether	ug/kg	<77.7	1940	1940	924	909	48	47	32-116	2				
bis(2-Ethylhexyl)phthalate	ug/kg	<77.7	1940	1940	1870	1920	97	100	60-127	3				
Butylbenzylphthalate	ug/kg	<77.7	1940	1940	1790	1860	93	96	54-130	4				
Caprolactam	ug/kg	<77.7	1940	1940	1570	1610	81	83	40-120	3				
Carbazole	ug/kg	<77.7	1940	1940	1710	1670	88	86	40-120	2				
Chrysene	ug/kg	<77.7	1940	1940	1780	1790	92	93	48-121	1				
Di-n-butylphthalate	ug/kg	<77.7	1940	1940	1700	1770	88	92	53-124	4				
Di-n-octylphthalate	ug/kg	<77.7	1940	1940	1850	1910	96	99	46-141	3				
Dibenz(a,h)anthracene	ug/kg	<77.7	1940	1940	2050	2040	106	105	52-109	0				
Dibenzofuran	ug/kg	<77.7	1940	1940	1480	1500	76	78	48-112	2				
Diethylphthalate	ug/kg	<77.7	1940	1940	1410	1450	73	75	51-114	3				
Dimethylphthalate	ug/kg	<77.7	1940	1940	1340	1360	69	70	49-112	2				
Fluoranthene	ug/kg	<77.7	1940	1940	1690	1720	88	89	45-126	2				
Fluorene	ug/kg	<77.7	1940	1940	1560	1590	81	83	47-108	2				
Hexachloro-1,3-butadiene	ug/kg	<77.7	1940	1940	1020	969	53	50	36-118	5				
Hexachlorobenzene	ug/kg	<77.7	1940	1940	1530	1600	79	83	51-110	4				
Hexachlorocyclopentadiene	ug/kg	<383	1940	1940	728	615	38	32	10-97	17	CL			
Hexachloroethane	ug/kg	<77.7	1940	1940	912	889	47	46	34-105	3				
Indeno(1,2,3-cd)pyrene	ug/kg	<77.7	1940	1940	2070	2220	107	115	50-108	7	M1			
Isophorone	ug/kg	<77.7	1940	1940	1150	1180	60	61	14-129	2				
N-Nitroso-di-n-propylamine	ug/kg	<77.7	1940	1940	1050	1090	54	56	33-109	3				
N-Nitrosodiphenylamine	ug/kg	<77.7	1940	1940	1270	1280	66	66	39-90	0				
Naphthalene	ug/kg	<77.7	1940	1940	1240	1260	64	65	18-142	2				
Nitrobenzene	ug/kg	<77.7	1940	1940	1120	1120	58	58	36-119	1				
Pentachlorophenol	ug/kg	<777	1940	1940	<777	<777	24	22	22-115					
Phenanthrene	ug/kg	<77.7	1940	1940	1660	1670	86	86	47-124	1				
Phenol	ug/kg	<77.7	1940	1940	1010	1010	52	52	38-104	0				

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QUALITY CONTROL DATA

Project: COYNE TEXTILE FACILITY

Pace Project No.: 7047606

Parameter	Units	7047466001		290591		290592		% Rec	% Rec	% Rec	Limits	RPD	Qual
		Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec						
Pyrene	ug/kg	<77.7	1940	1940	1770	1780	92	92	49-132	1			
1,2-Dichlorobenzene-d4 (S)	%						45	44	20-130				
2,4,6-Tribromophenol (S)	%						50	46	19-122				
2-Chlorophenol-d4 (S)	%						43	43	20-130				
2-Fluorobiphenyl (S)	%						62	65	30-115				
2-Fluorophenol (S)	%						41	41	25-121				
Nitrobenzene-d5 (S)	%						51	55	23-120				
p-Terphenyl-d14 (S)	%						84	85	18-137				
Phenol-d5 (S)	%						51	52	24-113				

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QUALITY CONTROL DATA

Project: COYNE TEXTILE FACILITY
Pace Project No.: 7047606

QC Batch: 63858 Analysis Method: EPA 8270D
QC Batch Method: EPA 3545A Analysis Description: 8270 Solid MSSV
Associated Lab Samples: 7047606005

METHOD BLANK: 293136 Matrix: Solid
Associated Lab Samples: 7047606005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,2,4-Trichlorobenzene	ug/kg	<67.0	67.0	04/20/18 16:32	
2,2'-Oxybis(1-chloropropane)	ug/kg	<67.0	67.0	04/20/18 16:32	CL
2,4,5-Trichlorophenol	ug/kg	<67.0	67.0	04/20/18 16:32	
2,4,6-Trichlorophenol	ug/kg	<67.0	67.0	04/20/18 16:32	
2,4-Dichlorophenol	ug/kg	<67.0	67.0	04/20/18 16:32	
2,4-Dimethylphenol	ug/kg	<67.0	67.0	04/20/18 16:32	
2,4-Dinitrophenol	ug/kg	<67.0	670	04/20/18 16:32	
2,4-Dinitrotoluene	ug/kg	<330	330	04/20/18 16:32	
2,6-Dinitrotoluene	ug/kg	<330	330	04/20/18 16:32	
2-Chloronaphthalene	ug/kg	<67.0	67.0	04/20/18 16:32	
2-Chlorophenol	ug/kg	<67.0	67.0	04/20/18 16:32	
2-Methylnaphthalene	ug/kg	<67.0	67.0	04/20/18 16:32	
2-Methylphenol(o-Cresol)	ug/kg	<67.0	67.0	04/20/18 16:32	
2-Nitroaniline	ug/kg	<330	330	04/20/18 16:32	CL
2-Nitrophenol	ug/kg	<330	330	04/20/18 16:32	
3&4-Methylphenol(m&p Cresol)	ug/kg	<67.0	67.0	04/20/18 16:32	
3,3'-Dichlorobenzidine	ug/kg	<330	330	04/20/18 16:32	
3-Nitroaniline	ug/kg	<330	330	04/20/18 16:32	
4,6-Dinitro-2-methylphenol	ug/kg	<670	670	04/20/18 16:32	
4-Bromophenylphenyl ether	ug/kg	<67.0	67.0	04/20/18 16:32	
4-Chloro-3-methylphenol	ug/kg	<67.0	67.0	04/20/18 16:32	
4-Chloroaniline	ug/kg	<330	330	04/20/18 16:32	
4-Chlorophenylphenyl ether	ug/kg	<67.0	67.0	04/20/18 16:32	
4-Nitroaniline	ug/kg	<330	330	04/20/18 16:32	
4-Nitrophenol	ug/kg	<670	670	04/20/18 16:32	CL
Acenaphthene	ug/kg	<67.0	67.0	04/20/18 16:32	
Acenaphthylene	ug/kg	<67.0	67.0	04/20/18 16:32	
Acetophenone	ug/kg	<67.0	67.0	04/20/18 16:32	
Anthracene	ug/kg	<67.0	67.0	04/20/18 16:32	
Atrazine	ug/kg	<67.0	67.0	04/20/18 16:32	
Benzaldehyde	ug/kg	<67.0	67.0	04/20/18 16:32	CL
Benzo(a)anthracene	ug/kg	<67.0	67.0	04/20/18 16:32	
Benzo(a)pyrene	ug/kg	<67.0	67.0	04/20/18 16:32	
Benzo(b)fluoranthene	ug/kg	<67.0	67.0	04/20/18 16:32	
Benzo(g,h,i)perylene	ug/kg	<67.0	67.0	04/20/18 16:32	
Benzo(k)fluoranthene	ug/kg	<67.0	67.0	04/20/18 16:32	
Biphenyl (Diphenyl)	ug/kg	<67.0	67.0	04/20/18 16:32	
bis(2-Chloroethoxy)methane	ug/kg	<67.0	67.0	04/20/18 16:32	
bis(2-Chloroethyl) ether	ug/kg	<67.0	67.0	04/20/18 16:32	CL
bis(2-Ethylhexyl)phthalate	ug/kg	<67.0	67.0	04/20/18 16:32	
Butylbenzylphthalate	ug/kg	<67.0	67.0	04/20/18 16:32	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: COYNE TEXTILE FACILITY
Pace Project No.: 7047606

METHOD BLANK: 293136

Matrix: Solid

Associated Lab Samples: 7047606005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Caprolactam	ug/kg	<67.0	67.0	04/20/18 16:32	
Carbazole	ug/kg	<67.0	67.0	04/20/18 16:32	
Chrysene	ug/kg	<67.0	67.0	04/20/18 16:32	
Di-n-butylphthalate	ug/kg	<67.0	67.0	04/20/18 16:32	
Di-n-octylphthalate	ug/kg	<67.0	67.0	04/20/18 16:32	
Dibenz(a,h)anthracene	ug/kg	<67.0	67.0	04/20/18 16:32	
Dibenzofuran	ug/kg	<67.0	67.0	04/20/18 16:32	
Diethylphthalate	ug/kg	<67.0	67.0	04/20/18 16:32	
Dimethylphthalate	ug/kg	<67.0	67.0	04/20/18 16:32	
Fluoranthene	ug/kg	<67.0	67.0	04/20/18 16:32	
Fluorene	ug/kg	<67.0	67.0	04/20/18 16:32	
Hexachloro-1,3-butadiene	ug/kg	<67.0	67.0	04/20/18 16:32	
Hexachlorobenzene	ug/kg	<67.0	67.0	04/20/18 16:32	
Hexachlorocyclopentadiene	ug/kg	<330	330	04/20/18 16:32	CL
Hexachloroethane	ug/kg	<67.0	67.0	04/20/18 16:32	
Indeno(1,2,3-cd)pyrene	ug/kg	<67.0	67.0	04/20/18 16:32	
Isophorone	ug/kg	<67.0	67.0	04/20/18 16:32	
N-Nitroso-di-n-propylamine	ug/kg	<67.0	67.0	04/20/18 16:32	CL
N-Nitrosodiphenylamine	ug/kg	<67.0	67.0	04/20/18 16:32	
Naphthalene	ug/kg	<67.0	67.0	04/20/18 16:32	
Nitrobenzene	ug/kg	<67.0	67.0	04/20/18 16:32	
Pentachlorophenol	ug/kg	<670	670	04/20/18 16:32	
Phenanthrene	ug/kg	<67.0	67.0	04/20/18 16:32	
Phenol	ug/kg	<67.0	67.0	04/20/18 16:32	
Pyrene	ug/kg	<67.0	67.0	04/20/18 16:32	
1,2-Dichlorobenzene-d4 (S)	%	64	20-130	04/20/18 16:32	
2,4,6-Tribromophenol (S)	%	74	19-122	04/20/18 16:32	
2-Chlorophenol-d4 (S)	%	69	20-130	04/20/18 16:32	
2-Fluorobiphenyl (S)	%	74	30-115	04/20/18 16:32	
2-Fluorophenol (S)	%	57	25-121	04/20/18 16:32	
Nitrobenzene-d5 (S)	%	70	23-120	04/20/18 16:32	
p-Terphenyl-d14 (S)	%	86	18-137	04/20/18 16:32	
Phenol-d5 (S)	%	68	24-113	04/20/18 16:32	

LABORATORY CONTROL SAMPLE: 293137

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2,4-Trichlorobenzene	ug/kg	1670	1470	88	35-110	
2,2'-Oxybis(1-chloropropane)	ug/kg	1670	630	38	33-116	CL
2,4,5-Trichlorophenol	ug/kg	1670	1630	98	45-111	
2,4,6-Trichlorophenol	ug/kg	1670	1520	91	45-110	
2,4-Dichlorophenol	ug/kg	1670	1560	94	41-117	
2,4-Dimethylphenol	ug/kg	1670	1240	75	24-96	
2,4-Dinitrophenol	ug/kg	1670	<670	31	10-80	

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QUALITY CONTROL DATA

Project: COYNE TEXTILE FACILITY

Pace Project No.: 7047606

LABORATORY CONTROL SAMPLE: 293137

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
2,4-Dinitrotoluene	ug/kg	1670	1540	93	49-112	
2,6-Dinitrotoluene	ug/kg	1670	1440	86	50-109	
2-Chloronaphthalene	ug/kg	1670	1280	77	35-107	
2-Chlorophenol	ug/kg	1670	1260	76	36-109	
2-Methylnaphthalene	ug/kg	1670	1410	85	31-135	
2-Methylphenol(o-Cresol)	ug/kg	1670	1100	66	36-104	
2-Nitroaniline	ug/kg	1670	1020	61	42-118	CL
2-Nitrophenol	ug/kg	1670	1370	82	36-117	
3&4-Methylphenol(m&p Cresol)	ug/kg	1670	1120	67	37-137	
3,3'-Dichlorobenzidine	ug/kg	1670	1450	87	41-116	
3-Nitroaniline	ug/kg	1670	1180	71	40-95	
4,6-Dinitro-2-methylphenol	ug/kg	1670	810	49	16-104	
4-Bromophenylphenyl ether	ug/kg	1670	1580	95	50-116	
4-Chloro-3-methylphenol	ug/kg	1670	1470	88	45-118	
4-Chloroaniline	ug/kg	1670	1010	60	29-88	
4-Chlorophenylphenyl ether	ug/kg	1670	1610	97	48-111	
4-Nitroaniline	ug/kg	1670	1230	74	46-110	
4-Nitrophenol	ug/kg	1670	1140	69	26-118	CL
Acenaphthene	ug/kg	1670	1370	82	45-109	
Acenaphthylene	ug/kg	1670	1390	83	43-107	
Acetophenone	ug/kg	1670	1080	65	10-132	
Anthracene	ug/kg	1670	1540	92	50-117	
Atrazine	ug/kg	1670	2170	130	40-120	L1
Benzaldehyde	ug/kg	1670	329	20	40-140	CL,L2
Benzo(a)anthracene	ug/kg	1670	1590	95	52-116	
Benzo(a)pyrene	ug/kg	1670	1600	96	56-119	
Benzo(b)fluoranthene	ug/kg	1670	1580	95	45-122	
Benzo(g,h,i)perylene	ug/kg	1670	1420	85	30-107	
Benzo(k)fluoranthene	ug/kg	1670	1640	98	54-124	
Biphenyl (Diphenyl)	ug/kg	1670	1380	83	40-120	
bis(2-Chloroethoxy)methane	ug/kg	1670	1120	67	29-112	
bis(2-Chloroethyl) ether	ug/kg	1670	1070	64	32-116	CL
bis(2-Ethylhexyl)phthalate	ug/kg	1670	1400	84	60-127	
Butylbenzylphthalate	ug/kg	1670	1340	81	54-130	
Caprolactam	ug/kg	1670	1340	80	40-120	
Carbazole	ug/kg	1670	1540	92	40-120	
Chrysene	ug/kg	1670	1600	96	48-121	
Di-n-butylphthalate	ug/kg	1670	1520	91	53-124	
Di-n-octylphthalate	ug/kg	1670	1460	88	46-141	
Dibenz(a,h)anthracene	ug/kg	1670	1370	82	52-109	
Dibenzofuran	ug/kg	1670	1480	89	48-112	
Diethylphthalate	ug/kg	1670	1510	91	51-114	
Dimethylphthalate	ug/kg	1670	1460	88	49-112	
Fluoranthene	ug/kg	1670	1620	97	45-126	
Fluorene	ug/kg	1670	1460	88	47-108	
Hexachloro-1,3-butadiene	ug/kg	1670	1480	89	36-118	
Hexachlorobenzene	ug/kg	1670	1690	102	51-110	

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QUALITY CONTROL DATA

Project: COYNE TEXTILE FACILITY
Pace Project No.: 7047606

LABORATORY CONTROL SAMPLE: 293137

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Hexachlorocyclopentadiene	ug/kg	1670	617	37	10-97	CL
Hexachloroethane	ug/kg	1670	989	59	34-105	
Indeno(1,2,3-cd)pyrene	ug/kg	1670	1460	87	50-108	
Isophorone	ug/kg	1670	1160	70	14-129	
N-Nitroso-di-n-propylamine	ug/kg	1670	920	55	33-109	CL
N-Nitrosodiphenylamine	ug/kg	1670	1480	89	39-90	
Naphthalene	ug/kg	1670	1390	84	18-142	
Nitrobenzene	ug/kg	1670	1080	65	36-119	
Pentachlorophenol	ug/kg	1670	1190	71	22-115	
Phenanthrene	ug/kg	1670	1540	93	47-124	
Phenol	ug/kg	1670	1300	78	38-104	
Pyrene	ug/kg	1670	1510	91	49-132	
1,2-Dichlorobenzene-d4 (S)	%			67	20-130	
2,4,6-Tribromophenol (S)	%			114	19-122	
2-Chlorophenol-d4 (S)	%			75	20-130	
2-Fluorobiphenyl (S)	%			79	30-115	
2-Fluorophenol (S)	%			65	25-121	
Nitrobenzene-d5 (S)	%			61	23-120	
p-Terphenyl-d14 (S)	%			92	18-137	
Phenol-d5 (S)	%			73	24-113	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 293149 293150

Parameter	Units	7048569001		MS	MSD	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Qual
		Result	Conc.	Spike Conc.	Spike Conc.							
1,2,4-Trichlorobenzene	ug/kg	<70.0	1750	1740	1260	1160	73	67	35-110	9		
2,2'-Oxybis(1-chloropropane)	ug/kg	<70.0	1750	1740	819	817	47	47	33-116	0	CL	
2,4,5-Trichlorophenol	ug/kg	<70.0	1750	1740	1610	1500	93	86	45-111	7		
2,4,6-Trichlorophenol	ug/kg	<70.0	1750	1740	1450	1330	83	77	45-110	8		
2,4-Dichlorophenol	ug/kg	<70.0	1750	1740	1490	1380	86	80	41-117	7		
2,4-Dimethylphenol	ug/kg	<70.0	1750	1740	931	946	53	55	24-96	2		
2,4-Dinitrophenol	ug/kg	<700	1750	1740	<700	<698	28	26	10-80			
2,4-Dinitrotoluene	ug/kg	<345	1750	1740	1440	1470	83	85	49-112	2		
2,6-Dinitrotoluene	ug/kg	<345	1750	1740	1380	1370	79	79	50-109	0		
2-Chloronaphthalene	ug/kg	<70.0	1750	1740	1230	1310	71	75	35-107	6		
2-Chlorophenol	ug/kg	<70.0	1750	1740	1280	1180	74	68	36-109	9		
2-Methylnaphthalene	ug/kg	<70.0	1750	1740	1300	1210	75	70	31-135	7		
2-Methylphenol(o-Cresol)	ug/kg	<70.0	1750	1740	1240	1160	71	67	36-104	6		
2-Nitroaniline	ug/kg	<345	1750	1740	1010	1280	58	74	42-118	24	CL	
2-Nitrophenol	ug/kg	<345	1750	1740	1270	1190	73	69	36-117	7		
3&4-Methylphenol(m&p Cresol)	ug/kg	<70.0	1750	1740	1220	1150	70	66	37-137	7		
3,3'-Dichlorobenzidine	ug/kg	<345	1750	1740	1420	1410	81	81	41-116	1		
3-Nitroaniline	ug/kg	<345	1750	1740	1190	1220	68	70	40-95	3		
4,6-Dinitro-2-methylphenol	ug/kg	<700	1750	1740	<700	<698	37	30	16-104			

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QUALITY CONTROL DATA

Project: COYNE TEXTILE FACILITY

Pace Project No.: 7047606

Parameter	MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 293149		293150								
	Units	7048569001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Qual
4-Bromophenylphenyl ether	ug/kg	<70.0	1750	1740	1510	1340	87	77	50-116	12	
4-Chloro-3-methylphenol	ug/kg	<70.0	1750	1740	1390	1330	80	77	45-118	4	
4-Chloroaniline	ug/kg	<345	1750	1740	960	935	55	54	29-88	3	
4-Chlorophenylphenyl ether	ug/kg	<70.0	1750	1740	1540	1440	89	83	48-111	7	
4-Nitroaniline	ug/kg	<345	1750	1740	1340	1310	77	75	46-110	2	
4-Nitrophenol	ug/kg	<700	1750	1740	1110	899	64	52	26-118	21	CL
Acenaphthene	ug/kg	<70.0	1750	1740	1340	1360	77	78	45-109	2	
Acenaphthylene	ug/kg	<70.0	1750	1740	1350	1340	77	77	43-107	0	
Acetophenone	ug/kg	<70.0	1750	1740	1230	1150	70	66	10-132	7	
Anthracene	ug/kg	<70.0	1750	1740	1410	1420	81	82	50-117	1	
Atrazine	ug/kg	<70.0	1750	1740	1840	1890	106	109	40-120	3	
Benzaldehyde	ug/kg	<70.0	1750	1740	1250	1140	72	66	40-140	9	CL
Benzo(a)anthracene	ug/kg	<70.0	1750	1740	1470	1480	84	85	52-116	1	
Benzo(a)pyrene	ug/kg	<70.0	1750	1740	1480	1450	85	84	56-119	2	
Benzo(b)fluoranthene	ug/kg	<70.0	1750	1740	1500	1520	86	88	45-122	1	
Benzo(g,h,i)perylene	ug/kg	<70.0	1750	1740	1290	1230	74	71	30-107	5	
Benzo(k)fluoranthene	ug/kg	<70.0	1750	1740	1500	1440	86	83	54-124	4	
Biphenyl (Diphenyl)	ug/kg	<70.0	1750	1740	1330	1310	77	76	40-120	1	
bis(2-Chloroethoxy)methane	ug/kg	<70.0	1750	1740	1050	1070	60	61	29-112	1	
bis(2-Chloroethyl) ether	ug/kg	<70.0	1750	1740	935	852	54	49	32-116	9	CL
bis(2-Ethylhexyl)phthalate	ug/kg	<70.0	1750	1740	1280	1280	74	74	60-127	1	
Butylbenzylphthalate	ug/kg	<70.0	1750	1740	1280	1550	73	89	54-130	19	
Caprolactam	ug/kg	<70.0	1750	1740	1300	1260	75	73	40-120	3	
Carbazole	ug/kg	<70.0	1750	1740	1410	1430	81	82	40-120	2	
Chrysene	ug/kg	<70.0	1750	1740	1510	1450	87	83	48-121	4	
Di-n-butylphthalate	ug/kg	<70.0	1750	1740	1380	1530	79	88	53-124	10	
Di-n-octylphthalate	ug/kg	<70.0	1750	1740	1370	1340	79	77	46-141	2	
Dibenz(a,h)anthracene	ug/kg	<70.0	1750	1740	1250	1210	72	70	52-109	3	
Dibenzofuran	ug/kg	<70.0	1750	1740	1430	1400	82	81	48-112	2	
Diethylphthalate	ug/kg	<70.0	1750	1740	1430	1540	82	89	51-114	7	
Dimethylphthalate	ug/kg	<70.0	1750	1740	1390	1400	80	81	49-112	1	
Fluoranthene	ug/kg	<70.0	1750	1740	1530	1500	88	86	45-126	2	
Fluorene	ug/kg	<70.0	1750	1740	1420	1400	81	81	47-108	1	
Hexachloro-1,3-butadiene	ug/kg	<70.0	1750	1740	1230	1190	71	69	36-118	3	
Hexachlorobenzene	ug/kg	<70.0	1750	1740	1600	1470	92	85	51-110	9	
Hexachlorocyclopentadiene	ug/kg	<345	1750	1740	<345	<344	16	19	10-97		CL
Hexachloroethane	ug/kg	<70.0	1750	1740	818	868	47	50	34-105	6	
Indeno(1,2,3-cd)pyrene	ug/kg	<70.0	1750	1740	1260	1250	72	72	50-108	1	
Isophorone	ug/kg	<70.0	1750	1740	1090	1170	63	68	14-129	8	
N-Nitroso-di-n-propylamine	ug/kg	<70.0	1750	1740	1100	1040	63	60	33-109	5	CL
N-Nitrosodiphenylamine	ug/kg	<70.0	1750	1740	1280	1280	73	74	39-90	0	
Naphthalene	ug/kg	<70.0	1750	1740	1220	1210	70	70	18-142	1	
Nitrobenzene	ug/kg	<70.0	1750	1740	1090	1000	63	58	36-119	8	
Pentachlorophenol	ug/kg	<700	1750	1740	1040	912	60	53	22-115	13	
Phenanthrene	ug/kg	<70.0	1750	1740	1430	1440	82	83	47-124	0	
Phenol	ug/kg	<70.0	1750	1740	1260	1110	72	64	38-104	13	

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QUALITY CONTROL DATA

Project: COYNE TEXTILE FACILITY

Pace Project No.: 7047606

Parameter	Units	7048569001		293149		293150		% Rec	% Rec	% Rec	Limits	RPD	Qual
		Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec						
Pyrene	ug/kg	<70.0	1750	1740	1420	1540	82	89	49-132	8			
1,2-Dichlorobenzene-d4 (S)	%						52	49	20-130				
2,4,6-Tribromophenol (S)	%						102	81	19-122				
2-Chlorophenol-d4 (S)	%						74	66	20-130				
2-Fluorobiphenyl (S)	%						75	72	30-115				
2-Fluorophenol (S)	%						66	57	25-121				
Nitrobenzene-d5 (S)	%						61	58	23-120				
p-Terphenyl-d14 (S)	%						85	87	18-137				
Phenol-d5 (S)	%						69	61	24-113				

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QUALITY CONTROL DATA

Project: COYNE TEXTILE FACILITY

Pace Project No.: 7047606

QC Batch: 62824

Analysis Method: ASTM D2216-92M

QC Batch Method: ASTM D2216-92M

Analysis Description: Dry Weight/Percent Moisture

Associated Lab Samples: 7047606001, 7047606002, 7047606003, 7047606004, 7047606005, 7047606006, 7047606007, 7047606008, 7047606009, 7047606010

SAMPLE DUPLICATE: 288559

Parameter	Units	7047606001 Result	Dup Result	RPD	Qualifiers
Percent Moisture	%	15.8	17.9	13	

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QUALIFIERS

Project: COYNE TEXTILE FACILITY

Pace Project No.: 7047606

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

SAMPLE QUALIFIERS

Sample: 7047606001

[1] Method (8081B): The breakdown for DDT exceeded acceptance limits following run due to sample matrix.

Sample: 7047606006

[1] Method (8081B): The breakdown for DDT exceeded acceptance limits following run due to sample matrix.

Sample: 7047606010

[1] Mthod 8270D: The internal standard response exceeded the lower acceptance limits and confirmed by reanalysis. Results may be biased high.

ANALYTE QUALIFIERS

A+ The reaction of the soil preservative, sodium bisulfate, is known to react with humic acid in soils to produce ketones.

CH The continuing calibration for this compound is outside of Pace Analytical acceptance limits. The results may be biased high.

CL The continuing calibration for this compound is outside of Pace Analytical acceptance limits. The results may be biased low.

D6 The precision between the sample and sample duplicate exceeded laboratory control limits.

E Analyte concentration exceeded the calibration range. The reported result is estimated.

IC The initial calibration for this compound was outside of method control limits. The result is estimated.

IH This analyte exceeded secondary source verification criteria high for the initial calibration. The reported results should be considered an estimated value.

IL This analyte exceeded secondary source verification criteria low for the initial calibration. The reported results should be considered an estimated value.

L1 Analyte recovery in the laboratory control sample (LCS) was above QC limits. Results for this analyte in associated samples may be biased high.

REPORT OF LABORATORY ANALYSIS

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QUALIFIERS

Project: COYNE TEXTILE FACILITY

Pace Project No.: 7047606

ANALYTE QUALIFIERS

- L2 Analyte recovery in the laboratory control sample (LCS) was below QC limits. Results for this analyte in associated samples may be biased low.
- M0 Matrix spike recovery and/or matrix spike duplicate recovery was outside laboratory control limits.
- M1 Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.
- M6 Matrix spike and Matrix spike duplicate recovery not evaluated against control limits due to sample dilution.
- R1 RPD value was outside control limits.
- S0 Surrogate recovery outside laboratory control limits.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: COYNE TEXTILE FACILITY

Pace Project No.: 7047606

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
7047606001	SOIL - 123	EPA 3546	63238	EPA 8081B	63467
7047606006	SOIL - 100	EPA 3546	63238	EPA 8081B	63467
7047606009	SOIL - 106	EPA 3546	63682	EPA 8081B	63823
7047606001	SOIL - 123	EPA 3546	63240	EPA 8082A	63465
7047606002	SOIL - 122	EPA 3546	63240	EPA 8082A	63465
7047606003	SOIL - 103	EPA 3546	63240	EPA 8082A	63465
7047606004	SOIL - 105	EPA 3546	63240	EPA 8082A	63465
7047606005	SOIL - MSD - 101	EPA 3546	63240	EPA 8082A	63465
7047606006	SOIL - 100	EPA 3546	63240	EPA 8082A	63465
7047606007	SOIL - 102	EPA 3546	63683	EPA 8082A	63849
7047606008	SOIL - MS 101	EPA 3546	63240	EPA 8082A	63465
7047606009	SOIL - 106	EPA 3546	63683	EPA 8082A	63849
7047606010	SOIL - 104	EPA 3546	63240	EPA 8082A	63465
7047606002	SOIL - 122	EPA 3050B	62706	EPA 6010C	62739
7047606003	SOIL - 103	EPA 3050B	62706	EPA 6010C	62739
7047606004	SOIL - 105	EPA 3050B	62706	EPA 6010C	62739
7047606005	SOIL - MSD - 101	EPA 3050B	62706	EPA 6010C	62739
7047606007	SOIL - 102	EPA 3050B	62706	EPA 6010C	62739
7047606008	SOIL - MS 101	EPA 3050B	62706	EPA 6010C	62739
7047606010	SOIL - 104	EPA 3050B	62706	EPA 6010C	62739
7047606001	SOIL - 123	EPA 3545A	63093	EPA 8270D	63394
7047606002	SOIL - 122	EPA 3545A	63093	EPA 8270D	63394
7047606003	SOIL - 103	EPA 3545A	63093	EPA 8270D	63394
7047606004	SOIL - 105	EPA 3545A	63093	EPA 8270D	63394
7047606005	SOIL - MSD - 101	EPA 3545A	63858	EPA 8270D	64069
7047606006	SOIL - 100	EPA 3545A	63093	EPA 8270D	63394
7047606007	SOIL - 102	EPA 3545A	63093	EPA 8270D	63394
7047606008	SOIL - MS 101	EPA 3545A	63093	EPA 8270D	63394
7047606009	SOIL - 106	EPA 3545A	63265	EPA 8270D	63468
7047606010	SOIL - 104	EPA 3545A	63265	EPA 8270D	63468
7047606001	SOIL - 123	EPA 5035A-L	63750	EPA 8260C	63852
7047606002	SOIL - 122	EPA 5035A-L	63750	EPA 8260C	63852
7047606003	SOIL - 103	EPA 5035A-L	63750	EPA 8260C	63852
7047606004	SOIL - 105	EPA 5035A-L	63750	EPA 8260C	63852
7047606005	SOIL - MSD - 101	EPA 5035A-L	63750	EPA 8260C	63852
7047606006	SOIL - 100	EPA 5035A-L	63750	EPA 8260C	63852
7047606008	SOIL - MS 101	EPA 5035A-L	63750	EPA 8260C	63852
7047606009	SOIL - 106	EPA 5035A-L	63750	EPA 8260C	63852
7047606007	SOIL - 102	EPA 5035A-H/5030C	63412	EPA 8260C	63435
7047606010	SOIL - 104	EPA 5035A-H/5030C	63412	EPA 8260C	63435
7047606001	SOIL - 123	ASTM D2216-92M	62824		
7047606002	SOIL - 122	ASTM D2216-92M	62824		

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: COYNE TEXTILE FACILITY

Pace Project No.: 7047606

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
7047606003	SOIL - 103	ASTM D2216-92M	62824		
7047606004	SOIL - 105	ASTM D2216-92M	62824		
7047606005	SOIL - MSD - 101	ASTM D2216-92M	62824		
7047606006	SOIL - 100	ASTM D2216-92M	62824		
7047606007	SOIL - 102	ASTM D2216-92M	62824		
7047606008	SOIL - MS 101	ASTM D2216-92M	62824		
7047606009	SOIL - 106	ASTM D2216-92M	62824		
7047606010	SOIL - 104	ASTM D2216-92M	62824		

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WO#: 7047606



7047606

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Section B Required Client Information:
 Company: **CHA**
 Address: **300 S. STATE ST. SUITE 600 SYRACUSE, NY 13203**
 Email To: **kennison@chacompany.com**
 Phone: **(315) 251-7250** Fax:
 Requested Due Date/TAT: **15 July**

Section C Invoice Information:
 Attention: **Kennison**
 Company Name:
 Address:
 Pace Order Reference: **33525-1003-31000**
 Pace Project Manager:
 Pace Profile #:

REGULATORY AGENCY
 NPDES GROUND WATER DRINKING WATER
 UST RCRA OTHER
 Site Location
 STATE: **NY**

Page: of
2202557

ITEM #	Section D Required Client Information Matrix Codes: MATRIX CODE Drinking Water DW Waste Water WT Water WW Product P Soil/Solid SL Oil OL Wipe WP Air AR Tissue TS Other OT	COLLECTED		SAMPLE TYPE (G-GRAB C-COMP)	MATRIX CODE (see valid codes to left)	# OF CONTAINERS	Preservatives									Requested Analysis Filtered (Y/N)	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
		COMPOSITE START DATE TIME	COMPOSITE END/GRAB DATE TIME				Unpreserved	H ₂ SO ₄	HNO ₃	HCl	NaOH	Na ₂ S ₂ O ₅	Methanol	Other (specify)	Analysis Test			
1	SOIL-123		4/16/18 9:50		SL	2	X								X	PEST-8281		
2	SOIL-123		10:10		SL	2	X								X	TCL SVL 8270		
3	SOIL-103		14:50		SL	2	X								X	R/R		
4	SOIL-105		14:10		SL	2	X								X	TAL METALS		
5	SOIL-MSD-101		15:00		SL	2	X								X			
6	SOIL-100		10:40		SL	2	X								X			
7	SOIL-102		11:20		SL	2	X								X			
8	SOIL-IMS 101		15:10		SL	2	X								X			
9	SOIL-106		13:30		SL	2	X								X			
10	SOIL-104		12:15		SL	2	X								X			
11																		
12																		

ADDITIONAL COMMENTS: **4/16/2018 16:30 PACE**
4/16/18 17:00 PACE

RELINQUISHED BY / AFFILIATION: **[Signature]**
 DATE: **4/16/18 16:30**

ACCEPTED BY / AFFILIATION: **[Signature]**
 DATE: **4/18/18 11:55**

Temp in C
 Received on Ice (Y/N)
 Custody sealed Cooler (Y/N)
 Samples Intact (Y/N)



Sample Condition Upon Receipt

Client Name: CHIA

Project

WO#: 7047606
 PM: JM2 Due Date: 04/16/18
 CLIENT: CHA

Courier: Fed Ex UPS USPS Client Commercial Pace Other

Tracking #: 7719 3896 4040

Custody Seal on Cooler/Box Present: Yes No Seals intact: Yes No

Packing Material: Bubble Wrap Bubble Bags Ziploc None Other

Thermometer Used: TH091 Correction Factor: 0.0

Cooler Temperature (°C): 4.2 Cooler Temperature Corrected (°C): 4.2

Temp should be above freezing to 6.0°C

USDA Regulated Soil (N/A, water sample)

Date and Initials of person examining contents: JM 4/17/18

Did samples originate in a quarantine zone within the United States: AL, AR, CA, FL, GA, ID, LA, MS, NC, NM, NY, OK, OR, SC, TN, TX, or VA (check map)? YES NO

Did samples originate from a foreign source (internationally, including Hawaii and Puerto Rico)? Yes No

If Yes to either question, fill out a Regulated Soil Checklist (F-LI-C-010) and include with SCUR/COC paperwork.

	COMMENTS:
Chain of Custody Present: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	1.
Chain of Custody Filled Out: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	2.
Chain of Custody Relinquished: <input type="checkbox"/> Yes <input type="checkbox"/> No	3.
Sampler Name & Signature on COC: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	4.
Samples Arrived within Hold Time: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	5.
Short Hold Time Analysis (<72hr): <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	6.
Rush Turn Around Time Requested: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	7.
Sufficient Volume: (Triple volume provided for MS/MSD) <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	8.
Correct Containers Used: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	9.
-Pace Containers Used: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Containers Intact: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	10.
Filtered volume received for Dissolved tests <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	11. Note if sediment is visible in the dissolved container.
Sample Labels match COC: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	12.
-Includes date/time/ID/Analysis Matrix SL WT OIL	
All containers needing preservation have been checked <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	13. <input type="checkbox"/> HNO ₃ <input type="checkbox"/> H ₂ SO ₄ <input type="checkbox"/> NaOH <input type="checkbox"/> HCl
pH paper Lot #	Sample #
All containers needing preservation are found to be in compliance with EPA recommendation? (HNO ₃ , H ₂ SO ₄ , HCl, NaOH>9 Sulfide, NaOH>12 Cyanide) <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	Initial when completed: Lot # of added preservative: Date/Time preservative added
Exceptions: VOA, Coliform, TOC/DOC, Oil and Grease, DRO/8015 (water). Per Method, VOA pH is checked after analysis	
Samples checked for dechlorination: <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	14. Positive for Res. Chlorine? Y N
KI starch test strips Lot #	
Residual chlorine strips Lot #	
Headspace in VOA Vials (>6mm): <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	15.
Trip Blank Present: <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	16.
Trip Blank Custody Seals Present <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
Pace Trip Blank Lot # (if applicable): _____	

Client Notification/ Resolution: _____ Field Data Required? Y / N

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

April 20, 2018

Samantha Miller
CHA Companies
300 South Stae Street
Syracuse, NY 13202

RE: Project: COYNE TEXTILE SERVICES-4/9
Pace Project No.: 7047847

Dear Samantha Miller:

Enclosed are the analytical results for sample(s) received by the laboratory on April 10, 2018. The results relate only to the samples included in this report. Results reported herein conform to the most current, applicable TNI/NELAC standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,



James Murphy
james.murphy@pacelabs.com
(518)346-4592
Project Manager

Enclosures

cc: Karyn Ehmann, CHA Companies



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: COYNE TEXTILE SERVICES-4/9

Pace Project No.: 7047847

Long Island Certification IDs

575 Broad Hollow Rd, Melville, NY 11747

New York Certification #: 10478 Primary Accrediting Body

New Jersey Certification #: NY158

Pennsylvania Certification #: 68-00350

Connecticut Certification #: PH-0435

Maryland Certification #: 208

Rhode Island Certification #: LAO00340

Massachusetts Certification #: M-NY026

New Hampshire Certification #: 2987

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: COYNE TEXTILE SERVICES-4/9

Pace Project No.: 7047847

Date: April 20, 2018

SS-100 (Lab ID: 7047847002)

- Method (8082A): Surrogate recovery below acceptance limits. Confirmed by re-extract.
- Method (8081B): Surrogate recovery below acceptance limits. Confirmed by re-extract.

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: COYNE TEXTILE SERVICES-4/9

Pace Project No.: 7047847

Method: EPA 8081B

Description: 8081 GCS Pesticides

Client: CHA Companies

Date: April 20, 2018

General Information:

1 sample was analyzed for EPA 8081B. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:

The samples were prepared in accordance with EPA 3546 with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):

All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:

All criteria were within method requirements with any exceptions noted below.

QC Batch: 63238

CH: The continuing calibration for this compound is outside of Pace Analytical acceptance limits. The results may be biased high.

- SS-100 (Lab ID: 7047847002)
- Decachlorobiphenyl (S)

Surrogates:

All surrogates were within QC limits with any exceptions noted below.

QC Batch: 63238

S0: Surrogate recovery outside laboratory control limits.

- SS-100 (Lab ID: 7047847002)
- Decachlorobiphenyl (S)
- Tetrachloro-m-xylene (S)

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Additional Comments:

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: COYNE TEXTILE SERVICES-4/9
Pace Project No.: 7047847

Method: EPA 8082A
Description: 8082 GCS PCB
Client: CHA Companies
Date: April 20, 2018

General Information:

2 samples were analyzed for EPA 8082A. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:

The samples were prepared in accordance with EPA 3546 with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):

All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:

All criteria were within method requirements with any exceptions noted below.

Surrogates:

All surrogates were within QC limits with any exceptions noted below.

QC Batch: 63240

S0: Surrogate recovery outside laboratory control limits.

- SS-100 (Lab ID: 7047847002)
- Decachlorobiphenyl (S)

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Additional Comments:

Analyte Comments:

QC Batch: 63240

1j: Re-extract/re-analysis confirms low surrogate recovery.

- SS-100 (Lab ID: 7047847002)
- Decachlorobiphenyl (S)

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: COYNE TEXTILE SERVICES-4/9

Pace Project No.: 7047847

Method: EPA 6010C

Description: 6010 MET ICP

Client: CHA Companies

Date: April 20, 2018

General Information:

2 samples were analyzed for EPA 6010C. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:

The samples were prepared in accordance with EPA 3050B with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):

All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:

All criteria were within method requirements with any exceptions noted below.

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

QC Batch: 62958

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 7047847001

M1: Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

- MS (Lab ID: 289126)
 - Aluminum
 - Calcium
 - Iron
 - Magnesium
 - Manganese

Duplicate Sample:

All duplicate sample results were within method acceptance criteria with any exceptions noted below.

QC Batch: 62958

D6: The precision between the sample and sample duplicate exceeded laboratory control limits.

- DUP (Lab ID: 289125)
 - Aluminum
 - Barium
 - Chromium

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: COYNE TEXTILE SERVICES-4/9

Pace Project No.: 7047847

Method: EPA 6010C

Description: 6010 MET ICP

Client: CHA Companies

Date: April 20, 2018

QC Batch: 62958

D6: The precision between the sample and sample duplicate exceeded laboratory control limits.

- Copper
- Lead
- Nickel
- Vanadium
- Zinc

Additional Comments:

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: COYNE TEXTILE SERVICES-4/9

Pace Project No.: 7047847

Method: EPA 7471B

Description: 7471 Mercury

Client: CHA Companies

Date: April 20, 2018

General Information:

2 samples were analyzed for EPA 7471B. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:

The samples were prepared in accordance with EPA 7471B with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):

All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:

All criteria were within method requirements with any exceptions noted below.

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Duplicate Sample:

All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: COYNE TEXTILE SERVICES-4/9

Pace Project No.: 7047847

Method: EPA 8270D

Description: 8270 MSSV

Client: CHA Companies

Date: April 20, 2018

General Information:

2 samples were analyzed for EPA 8270D. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:

The samples were prepared in accordance with EPA 3545A with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):

All criteria were within method requirements with any exceptions noted below.

QC Batch: 63265

IC: The initial calibration for this compound was outside of method control limits. The result is estimated.

- BLANK (Lab ID: 290538)
 - Benzaldehyde
- LCS (Lab ID: 290539)
 - Benzaldehyde
- MS (Lab ID: 290591)
 - Benzaldehyde
- MSD (Lab ID: 290592)
 - Benzaldehyde
- SOIL-101 (Lab ID: 7047847001)
 - Benzaldehyde
- SS-100 (Lab ID: 7047847002)
 - Benzaldehyde

IL: This analyte exceeded secondary source verification criteria low for the initial calibration. The reported results should be considered an estimated value.

- BLANK (Lab ID: 290538)
 - Benzaldehyde
- LCS (Lab ID: 290539)
 - Benzaldehyde
- MS (Lab ID: 290591)
 - Benzaldehyde
- MSD (Lab ID: 290592)
 - Benzaldehyde
- SOIL-101 (Lab ID: 7047847001)
 - Benzaldehyde
- SS-100 (Lab ID: 7047847002)
 - Benzaldehyde

Continuing Calibration:

All criteria were within method requirements with any exceptions noted below.

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: COYNE TEXTILE SERVICES-4/9

Pace Project No.: 7047847

Method: EPA 8270D

Description: 8270 MSSV

Client: CHA Companies

Date: April 20, 2018

QC Batch: 63265

CL: The continuing calibration for this compound is outside of Pace Analytical acceptance limits. The results may be biased low.

- BLANK (Lab ID: 290538)
 - Benzaldehyde
 - Hexachlorocyclopentadiene
- LCS (Lab ID: 290539)
 - Benzaldehyde
 - Hexachlorocyclopentadiene
- MS (Lab ID: 290591)
 - Benzaldehyde
 - Hexachlorocyclopentadiene
- MSD (Lab ID: 290592)
 - Benzaldehyde
 - Hexachlorocyclopentadiene
- SOIL-101 (Lab ID: 7047847001)
 - Benzaldehyde
 - Hexachlorocyclopentadiene
- SS-100 (Lab ID: 7047847002)
 - Benzaldehyde
 - Hexachlorocyclopentadiene

Internal Standards:

All internal standards were within QC limits with any exceptions noted below.

Surrogates:

All surrogates were within QC limits with any exceptions noted below.

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

QC Batch: 63265

L2: Analyte recovery in the laboratory control sample (LCS) was below QC limits. Results for this analyte in associated samples may be biased low.

- LCS (Lab ID: 290539)
 - Benzaldehyde

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

QC Batch: 63265

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 7047466001

M1: Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

- MS (Lab ID: 290591)

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PROJECT NARRATIVE

Project: COYNE TEXTILE SERVICES-4/9

Pace Project No.: 7047847

Method: EPA 8270D

Description: 8270 MSSV

Client: CHA Companies

Date: April 20, 2018

QC Batch: 63265

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 7047466001

M1: Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

- 2,4-Dimethylphenol
- 3&4-Methylphenol(m&p Cresol)
- 3,3'-Dichlorobenzidine
- Benzo(g,h,i)perylene
- MSD (Lab ID: 290592)
 - 2,4-Dimethylphenol
 - 2-Methylphenol(o-Cresol)
 - 3,3'-Dichlorobenzidine
 - Benzo(g,h,i)perylene
 - Indeno(1,2,3-cd)pyrene

R1: RPD value was outside control limits.

- MSD (Lab ID: 290592)
 - 4-Nitrophenol

Additional Comments:

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: COYNE TEXTILE SERVICES-4/9

Pace Project No.: 7047847

Method: EPA 8260C

Description: 8260C MSV 5035A-L Low Level

Client: CHA Companies

Date: April 20, 2018

General Information:

2 samples were analyzed for EPA 8260C. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:

The samples were prepared in accordance with EPA 5035A-L with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):

All criteria were within method requirements with any exceptions noted below.

QC Batch: 63550

IH: This analyte exceeded secondary source verification criteria high for the initial calibration. The reported results should be considered an estimated value.

- DUP (Lab ID: 291952)
 - Acetone
- LCS (Lab ID: 291843)
 - Acetone
- SOIL-101 (Lab ID: 7047847001)
 - Acetone
- SS-100 (Lab ID: 7047847002)
 - Acetone

Continuing Calibration:

All criteria were within method requirements with any exceptions noted below.

QC Batch: 63550

CH: The continuing calibration for this compound is outside of Pace Analytical acceptance limits. The results may be biased high.

- LCS (Lab ID: 291843)
 - 1,2-Dibromoethane (EDB)
 - 4-Methyl-2-pentanone (MIBK)
 - Bromomethane
 - Toluene
- SS-100 (Lab ID: 7047847002)
 - Toluene

CL: The continuing calibration for this compound is outside of Pace Analytical acceptance limits. The results may be biased low.

- BLANK (Lab ID: 291842)
 - Dichlorodifluoromethane
 - trans-1,2-Dichloroethene
- DUP (Lab ID: 291952)
 - Dichlorodifluoromethane
 - trans-1,2-Dichloroethene
- LCS (Lab ID: 291843)

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: COYNE TEXTILE SERVICES-4/9

Pace Project No.: 7047847

Method: EPA 8260C

Description: 8260C MSV 5035A-L Low Level

Client: CHA Companies

Date: April 20, 2018

QC Batch: 63550

CL: The continuing calibration for this compound is outside of Pace Analytical acceptance limits. The results may be biased low.

- Dichlorodifluoromethane
- trans-1,2-Dichloroethene
- SOIL-101 (Lab ID: 7047847001)
 - Dichlorodifluoromethane
 - trans-1,2-Dichloroethene
- SS-100 (Lab ID: 7047847002)
 - Dichlorodifluoromethane
 - trans-1,2-Dichloroethene

Internal Standards:

All internal standards were within QC limits with any exceptions noted below.

Surrogates:

All surrogates were within QC limits with any exceptions noted below.

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

QC Batch: 63550

L1: Analyte recovery in the laboratory control sample (LCS) was above QC limits. Results for this analyte in associated samples may be biased high.

- LCS (Lab ID: 291843)
 - 1,1,2-Trichloroethane
 - 1,2-Dibromoethane (EDB)
 - 4-Methyl-2-pentanone (MIBK)
 - Toluene
 - trans-1,3-Dichloropropene

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Duplicate Sample:

All duplicate sample results were within method acceptance criteria with any exceptions noted below.

QC Batch: 63550

D6: The precision between the sample and sample duplicate exceeded laboratory control limits.

- DUP (Lab ID: 291952)
 - Acetone

Additional Comments:

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: COYNE TEXTILE SERVICES-4/9

Pace Project No.: 7047847

Method: EPA 8260C

Description: 8260C MSV 5035A-L Low Level

Client: CHA Companies

Date: April 20, 2018

Analyte Comments:

QC Batch: 63550

E: Analyte concentration exceeded the calibration range. The reported result is estimated.

- SS-100 (Lab ID: 7047847002)
 - Acetone

This data package has been reviewed for quality and completeness and is approved for release.

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: COYNE TEXTILE SERVICES-4/9

Pace Project No.: 7047847

Sample: SOIL-101 **Lab ID: 7047847001** Collected: 04/09/18 08:50 Received: 04/10/18 16:50 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8082 GCS PCB Analytical Method: EPA 8082A Preparation Method: EPA 3546								
PCB-1016 (Aroclor 1016)	<39.3	ug/kg	39.3	1	04/12/18 19:23	04/14/18 19:43	12674-11-2	
PCB-1221 (Aroclor 1221)	<79.9	ug/kg	79.9	1	04/12/18 19:23	04/14/18 19:43	11104-28-2	
PCB-1232 (Aroclor 1232)	<39.3	ug/kg	39.3	1	04/12/18 19:23	04/14/18 19:43	11141-16-5	
PCB-1242 (Aroclor 1242)	<39.3	ug/kg	39.3	1	04/12/18 19:23	04/14/18 19:43	53469-21-9	
PCB-1248 (Aroclor 1248)	<39.3	ug/kg	39.3	1	04/12/18 19:23	04/14/18 19:43	12672-29-6	
PCB-1254 (Aroclor 1254)	<39.3	ug/kg	39.3	1	04/12/18 19:23	04/14/18 19:43	11097-69-1	
PCB-1260 (Aroclor 1260)	<39.3	ug/kg	39.3	1	04/12/18 19:23	04/14/18 19:43	11096-82-5	
Surrogates								
Tetrachloro-m-xylene (S)	44	%	30-150	1	04/12/18 19:23	04/14/18 19:43	877-09-8	
Decachlorobiphenyl (S)	73	%	30-150	1	04/12/18 19:23	04/14/18 19:43	2051-24-3	
6010 MET ICP Analytical Method: EPA 6010C Preparation Method: EPA 3050B								
Aluminum	2880	mg/kg	10.9	1	04/11/18 12:10	04/12/18 04:36	7429-90-5	D6,M1
Antimony	<3.3	mg/kg	3.3	1	04/11/18 12:10	04/12/18 04:36	7440-36-0	
Arsenic	5.1	mg/kg	0.55	1	04/11/18 12:10	04/12/18 04:36	7440-38-2	
Barium	16.1	mg/kg	10.9	1	04/11/18 12:10	04/12/18 04:36	7440-39-3	D6
Beryllium	<0.27	mg/kg	0.27	1	04/11/18 12:10	04/12/18 04:36	7440-41-7	
Cadmium	0.24	mg/kg	0.14	1	04/11/18 12:10	04/12/18 04:36	7440-43-9	
Calcium	45500	mg/kg	54.6	1	04/11/18 12:10	04/12/18 04:36	7440-70-2	M1
Chromium	4.6	mg/kg	0.55	1	04/11/18 12:10	04/12/18 04:36	7440-47-3	D6
Cobalt	3.1	mg/kg	2.7	1	04/11/18 12:10	04/12/18 04:36	7440-48-4	
Copper	4.5	mg/kg	1.4	1	04/11/18 12:10	04/12/18 04:36	7440-50-8	D6
Iron	10100	mg/kg	5.5	1	04/11/18 12:10	04/12/18 04:36	7439-89-6	M1
Lead	3.6	mg/kg	0.27	1	04/11/18 12:10	04/12/18 04:36	7439-92-1	D6
Magnesium	10400	mg/kg	54.6	1	04/11/18 12:10	04/12/18 04:36	7439-95-4	M1
Manganese	254	mg/kg	0.82	1	04/11/18 12:10	04/12/18 04:36	7439-96-5	M1
Nickel	7.4	mg/kg	2.2	1	04/11/18 12:10	04/12/18 04:36	7440-02-0	D6
Potassium	472	mg/kg	273	1	04/11/18 12:10	04/12/18 04:36	7440-09-7	
Selenium	<0.55	mg/kg	0.55	1	04/11/18 12:10	04/12/18 04:36	7782-49-2	
Silver	<0.55	mg/kg	0.55	1	04/11/18 12:10	04/12/18 04:36	7440-22-4	
Sodium	<273	mg/kg	273	1	04/11/18 12:10	04/12/18 04:36	7440-23-5	
Thallium	<0.55	mg/kg	0.55	1	04/11/18 12:10	04/12/18 04:36	7440-28-0	
Vanadium	7.7	mg/kg	2.7	1	04/11/18 12:10	04/12/18 04:36	7440-62-2	D6
Zinc	17.5	mg/kg	1.1	1	04/11/18 12:10	04/12/18 04:36	7440-66-6	D6
7471 Mercury Analytical Method: EPA 7471B Preparation Method: EPA 7471B								
Mercury	<0.047	mg/kg	0.047	1	04/11/18 12:22	04/16/18 12:05	7439-97-6	
8270 MSSV Analytical Method: EPA 8270D Preparation Method: EPA 3545A								
1,2,4-Trichlorobenzene	<79.9	ug/kg	79.9	1	04/12/18 20:52	04/17/18 19:15	120-82-1	
2,2'-Oxybis(1-chloropropane)	<79.9	ug/kg	79.9	1	04/12/18 20:52	04/17/18 19:15	108-60-1	
2,4,5-Trichlorophenol	<79.9	ug/kg	79.9	1	04/12/18 20:52	04/17/18 19:15	95-95-4	
2,4,6-Trichlorophenol	<79.9	ug/kg	79.9	1	04/12/18 20:52	04/17/18 19:15	88-06-2	
2,4-Dichlorophenol	<79.9	ug/kg	79.9	1	04/12/18 20:52	04/17/18 19:15	120-83-2	
2,4-Dimethylphenol	<79.9	ug/kg	79.9	1	04/12/18 20:52	04/17/18 19:15	105-67-9	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: COYNE TEXTILE SERVICES-4/9

Pace Project No.: 7047847

Sample: SOIL-101 **Lab ID: 7047847001** Collected: 04/09/18 08:50 Received: 04/10/18 16:50 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Analytical Method: EPA 8270D Preparation Method: EPA 3545A								
2,4-Dinitrophenol	<799	ug/kg	799	1	04/12/18 20:52	04/17/18 19:15	51-28-5	
2,4-Dinitrotoluene	<393	ug/kg	393	1	04/12/18 20:52	04/17/18 19:15	121-14-2	
2,6-Dinitrotoluene	<393	ug/kg	393	1	04/12/18 20:52	04/17/18 19:15	606-20-2	
2-Chloronaphthalene	<79.9	ug/kg	79.9	1	04/12/18 20:52	04/17/18 19:15	91-58-7	
2-Chlorophenol	<79.9	ug/kg	79.9	1	04/12/18 20:52	04/17/18 19:15	95-57-8	
2-Methylnaphthalene	<79.9	ug/kg	79.9	1	04/12/18 20:52	04/17/18 19:15	91-57-6	
2-Methylphenol(o-Cresol)	<79.9	ug/kg	79.9	1	04/12/18 20:52	04/17/18 19:15	95-48-7	
2-Nitroaniline	<393	ug/kg	393	1	04/12/18 20:52	04/17/18 19:15	88-74-4	
2-Nitrophenol	<393	ug/kg	393	1	04/12/18 20:52	04/17/18 19:15	88-75-5	
3&4-Methylphenol(m&p Cresol)	<79.9	ug/kg	79.9	1	04/12/18 20:52	04/17/18 19:15		
3,3'-Dichlorobenzidine	<393	ug/kg	393	1	04/12/18 20:52	04/17/18 19:15	91-94-1	
3-Nitroaniline	<393	ug/kg	393	1	04/12/18 20:52	04/17/18 19:15	99-09-2	
4,6-Dinitro-2-methylphenol	<799	ug/kg	799	1	04/12/18 20:52	04/17/18 19:15	534-52-1	
4-Bromophenylphenyl ether	<79.9	ug/kg	79.9	1	04/12/18 20:52	04/17/18 19:15	101-55-3	
4-Chloro-3-methylphenol	<79.9	ug/kg	79.9	1	04/12/18 20:52	04/17/18 19:15	59-50-7	
4-Chloroaniline	<393	ug/kg	393	1	04/12/18 20:52	04/17/18 19:15	106-47-8	
4-Chlorophenylphenyl ether	<79.9	ug/kg	79.9	1	04/12/18 20:52	04/17/18 19:15	7005-72-3	
4-Nitroaniline	<393	ug/kg	393	1	04/12/18 20:52	04/17/18 19:15	100-01-6	
4-Nitrophenol	<799	ug/kg	799	1	04/12/18 20:52	04/17/18 19:15	100-02-7	
Acenaphthene	<79.9	ug/kg	79.9	1	04/12/18 20:52	04/17/18 19:15	83-32-9	
Acenaphthylene	<79.9	ug/kg	79.9	1	04/12/18 20:52	04/17/18 19:15	208-96-8	
Acetophenone	<79.9	ug/kg	79.9	1	04/12/18 20:52	04/17/18 19:15	98-86-2	
Anthracene	<79.9	ug/kg	79.9	1	04/12/18 20:52	04/17/18 19:15	120-12-7	
Atrazine	<79.9	ug/kg	79.9	1	04/12/18 20:52	04/17/18 19:15	1912-24-9	
Benzaldehyde	<79.9	ug/kg	79.9	1	04/12/18 20:52	04/17/18 19:15	100-52-7	CL,IC,IL, L2
Benzo(a)anthracene	<79.9	ug/kg	79.9	1	04/12/18 20:52	04/17/18 19:15	56-55-3	
Benzo(a)pyrene	<79.9	ug/kg	79.9	1	04/12/18 20:52	04/17/18 19:15	50-32-8	
Benzo(b)fluoranthene	<79.9	ug/kg	79.9	1	04/12/18 20:52	04/17/18 19:15	205-99-2	
Benzo(g,h,i)perylene	<79.9	ug/kg	79.9	1	04/12/18 20:52	04/17/18 19:15	191-24-2	
Benzo(k)fluoranthene	<79.9	ug/kg	79.9	1	04/12/18 20:52	04/17/18 19:15	207-08-9	
Biphenyl (Diphenyl)	<79.9	ug/kg	79.9	1	04/12/18 20:52	04/17/18 19:15	92-52-4	
Butylbenzylphthalate	<79.9	ug/kg	79.9	1	04/12/18 20:52	04/17/18 19:15	85-68-7	
Caprolactam	<79.9	ug/kg	79.9	1	04/12/18 20:52	04/17/18 19:15	105-60-2	
Carbazole	<79.9	ug/kg	79.9	1	04/12/18 20:52	04/17/18 19:15	86-74-8	
Chrysene	<79.9	ug/kg	79.9	1	04/12/18 20:52	04/17/18 19:15	218-01-9	
Di-n-butylphthalate	<79.9	ug/kg	79.9	1	04/12/18 20:52	04/17/18 19:15	84-74-2	
Di-n-octylphthalate	<79.9	ug/kg	79.9	1	04/12/18 20:52	04/17/18 19:15	117-84-0	
Dibenz(a,h)anthracene	<79.9	ug/kg	79.9	1	04/12/18 20:52	04/17/18 19:15	53-70-3	
Dibenzofuran	<79.9	ug/kg	79.9	1	04/12/18 20:52	04/17/18 19:15	132-64-9	
Diethylphthalate	<79.9	ug/kg	79.9	1	04/12/18 20:52	04/17/18 19:15	84-66-2	
Dimethylphthalate	<79.9	ug/kg	79.9	1	04/12/18 20:52	04/17/18 19:15	131-11-3	
Fluoranthene	<79.9	ug/kg	79.9	1	04/12/18 20:52	04/17/18 19:15	206-44-0	
Fluorene	<79.9	ug/kg	79.9	1	04/12/18 20:52	04/17/18 19:15	86-73-7	
Hexachloro-1,3-butadiene	<79.9	ug/kg	79.9	1	04/12/18 20:52	04/17/18 19:15	87-68-3	
Hexachlorobenzene	<79.9	ug/kg	79.9	1	04/12/18 20:52	04/17/18 19:15	118-74-1	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: COYNE TEXTILE SERVICES-4/9

Pace Project No.: 7047847

Sample: SOIL-101 **Lab ID: 7047847001** Collected: 04/09/18 08:50 Received: 04/10/18 16:50 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Analytical Method: EPA 8270D Preparation Method: EPA 3545A								
Hexachlorocyclopentadiene	<393	ug/kg	393	1	04/12/18 20:52	04/17/18 19:15	77-47-4	CL
Hexachloroethane	<79.9	ug/kg	79.9	1	04/12/18 20:52	04/17/18 19:15	67-72-1	
Indeno(1,2,3-cd)pyrene	<79.9	ug/kg	79.9	1	04/12/18 20:52	04/17/18 19:15	193-39-5	
Isophorone	<79.9	ug/kg	79.9	1	04/12/18 20:52	04/17/18 19:15	78-59-1	
N-Nitroso-di-n-propylamine	<79.9	ug/kg	79.9	1	04/12/18 20:52	04/17/18 19:15	621-64-7	
N-Nitrosodiphenylamine	<79.9	ug/kg	79.9	1	04/12/18 20:52	04/17/18 19:15	86-30-6	
Naphthalene	<79.9	ug/kg	79.9	1	04/12/18 20:52	04/17/18 19:15	91-20-3	
Nitrobenzene	<79.9	ug/kg	79.9	1	04/12/18 20:52	04/17/18 19:15	98-95-3	
Pentachlorophenol	<799	ug/kg	799	1	04/12/18 20:52	04/17/18 19:15	87-86-5	
Phenanthrene	<79.9	ug/kg	79.9	1	04/12/18 20:52	04/17/18 19:15	85-01-8	
Phenol	<79.9	ug/kg	79.9	1	04/12/18 20:52	04/17/18 19:15	108-95-2	
Pyrene	<79.9	ug/kg	79.9	1	04/12/18 20:52	04/17/18 19:15	129-00-0	
bis(2-Chloroethoxy)methane	<79.9	ug/kg	79.9	1	04/12/18 20:52	04/17/18 19:15	111-91-1	
bis(2-Chloroethyl) ether	<79.9	ug/kg	79.9	1	04/12/18 20:52	04/17/18 19:15	111-44-4	
bis(2-Ethylhexyl)phthalate	<79.9	ug/kg	79.9	1	04/12/18 20:52	04/17/18 19:15	117-81-7	
Surrogates								
Nitrobenzene-d5 (S)	58	%	23-120	1	04/12/18 20:52	04/17/18 19:15	4165-60-0	
2-Fluorobiphenyl (S)	60	%	30-115	1	04/12/18 20:52	04/17/18 19:15	321-60-8	
p-Terphenyl-d14 (S)	68	%	18-137	1	04/12/18 20:52	04/17/18 19:15	1718-51-0	
Phenol-d5 (S)	62	%	24-113	1	04/12/18 20:52	04/17/18 19:15	4165-62-2	
2-Fluorophenol (S)	57	%	25-121	1	04/12/18 20:52	04/17/18 19:15	367-12-4	
2,4,6-Tribromophenol (S)	41	%	19-122	1	04/12/18 20:52	04/17/18 19:15	118-79-6	
2-Chlorophenol-d4 (S)	56	%	20-130	1	04/12/18 20:52	04/17/18 19:15	93951-73-6	
1,2-Dichlorobenzene-d4 (S)	55	%	20-130	1	04/12/18 20:52	04/17/18 19:15	2199-69-1	
8260C MSV 5035A-L Low Level Analytical Method: EPA 8260C Preparation Method: EPA 5035A-L								
1,1,1-Trichloroethane	<2.1	ug/kg	2.1	1	04/14/18 10:55	04/14/18 23:15	71-55-6	
1,1,1,2-Tetrachloroethane	<2.1	ug/kg	2.1	1	04/14/18 10:55	04/14/18 23:15	79-34-5	
1,1,1,2-Trichloroethane	<2.1	ug/kg	2.1	1	04/14/18 10:55	04/14/18 23:15	79-00-5	L1
1,1,2-Trichlorotrifluoroethane	<2.1	ug/kg	2.1	1	04/14/18 10:55	04/14/18 23:15	76-13-1	
1,1-Dichloroethane	<2.1	ug/kg	2.1	1	04/14/18 10:55	04/14/18 23:15	75-34-3	
1,1-Dichloroethene	<2.1	ug/kg	2.1	1	04/14/18 10:55	04/14/18 23:15	75-35-4	
1,2,4-Trichlorobenzene	<2.1	ug/kg	2.1	1	04/14/18 10:55	04/14/18 23:15	120-82-1	
1,2-Dibromo-3-chloropropane	<2.1	ug/kg	2.1	1	04/14/18 10:55	04/14/18 23:15	96-12-8	
1,2-Dibromoethane (EDB)	<2.1	ug/kg	2.1	1	04/14/18 10:55	04/14/18 23:15	106-93-4	L1
1,2-Dichlorobenzene	<2.1	ug/kg	2.1	1	04/14/18 10:55	04/14/18 23:15	95-50-1	
1,2-Dichloroethane	<2.1	ug/kg	2.1	1	04/14/18 10:55	04/14/18 23:15	107-06-2	
1,2-Dichloropropane	<2.1	ug/kg	2.1	1	04/14/18 10:55	04/14/18 23:15	78-87-5	
1,3-Dichlorobenzene	<2.1	ug/kg	2.1	1	04/14/18 10:55	04/14/18 23:15	541-73-1	
1,4-Dichlorobenzene	<2.1	ug/kg	2.1	1	04/14/18 10:55	04/14/18 23:15	106-46-7	
2-Butanone (MEK)	9.6	ug/kg	2.1	1	04/14/18 10:55	04/14/18 23:15	78-93-3	
2-Hexanone	<2.1	ug/kg	2.1	1	04/14/18 10:55	04/14/18 23:15	591-78-6	
4-Methyl-2-pentanone (MIBK)	<2.1	ug/kg	2.1	1	04/14/18 10:55	04/14/18 23:15	108-10-1	L1
Acetone	3.7	ug/kg	2.1	1	04/14/18 10:55	04/14/18 23:15	67-64-1	IH
Benzene	<2.1	ug/kg	2.1	1	04/14/18 10:55	04/14/18 23:15	71-43-2	
Bromodichloromethane	<2.1	ug/kg	2.1	1	04/14/18 10:55	04/14/18 23:15	75-27-4	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: COYNE TEXTILE SERVICES-4/9

Pace Project No.: 7047847

Sample: **SOIL-101** Lab ID: **7047847001** Collected: 04/09/18 08:50 Received: 04/10/18 16:50 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260C MSV 5035A-L Low Level		Analytical Method: EPA 8260C Preparation Method: EPA 5035A-L						
Bromoform	<2.1	ug/kg	2.1	1	04/14/18 10:55	04/14/18 23:15	75-25-2	
Bromomethane	<2.1	ug/kg	2.1	1	04/14/18 10:55	04/14/18 23:15	74-83-9	
Carbon disulfide	<2.1	ug/kg	2.1	1	04/14/18 10:55	04/14/18 23:15	75-15-0	
Carbon tetrachloride	<2.1	ug/kg	2.1	1	04/14/18 10:55	04/14/18 23:15	56-23-5	
Chlorobenzene	<2.1	ug/kg	2.1	1	04/14/18 10:55	04/14/18 23:15	108-90-7	
Chloroethane	<2.1	ug/kg	2.1	1	04/14/18 10:55	04/14/18 23:15	75-00-3	
Chloroform	<2.1	ug/kg	2.1	1	04/14/18 10:55	04/14/18 23:15	67-66-3	
Chloromethane	<2.1	ug/kg	2.1	1	04/14/18 10:55	04/14/18 23:15	74-87-3	
Cyclohexane	<2.1	ug/kg	2.1	1	04/14/18 10:55	04/14/18 23:15	110-82-7	
Dibromochloromethane	<2.1	ug/kg	2.1	1	04/14/18 10:55	04/14/18 23:15	124-48-1	
Dichlorodifluoromethane	<2.1	ug/kg	2.1	1	04/14/18 10:55	04/14/18 23:15	75-71-8	CL
Ethylbenzene	<2.1	ug/kg	2.1	1	04/14/18 10:55	04/14/18 23:15	100-41-4	
Isopropylbenzene (Cumene)	<2.1	ug/kg	2.1	1	04/14/18 10:55	04/14/18 23:15	98-82-8	
Methyl acetate	<2.1	ug/kg	2.1	1	04/14/18 10:55	04/14/18 23:15	79-20-9	
Methyl-tert-butyl ether	<2.1	ug/kg	2.1	1	04/14/18 10:55	04/14/18 23:15	1634-04-4	
Methylcyclohexane	<2.1	ug/kg	2.1	1	04/14/18 10:55	04/14/18 23:15	108-87-2	
Methylene Chloride	<2.1	ug/kg	2.1	1	04/14/18 10:55	04/14/18 23:15	75-09-2	
Styrene	<2.1	ug/kg	2.1	1	04/14/18 10:55	04/14/18 23:15	100-42-5	
Tetrachloroethene	<2.1	ug/kg	2.1	1	04/14/18 10:55	04/14/18 23:15	127-18-4	
Toluene	<2.1	ug/kg	2.1	1	04/14/18 10:55	04/14/18 23:15	108-88-3	L1
Trichloroethene	<2.1	ug/kg	2.1	1	04/14/18 10:55	04/14/18 23:15	79-01-6	
Trichlorofluoromethane	<2.1	ug/kg	2.1	1	04/14/18 10:55	04/14/18 23:15	75-69-4	
Vinyl chloride	<2.1	ug/kg	2.1	1	04/14/18 10:55	04/14/18 23:15	75-01-4	
Xylene (Total)	<4.2	ug/kg	4.2	1	04/14/18 10:55	04/14/18 23:15	1330-20-7	
cis-1,2-Dichloroethene	<2.1	ug/kg	2.1	1	04/14/18 10:55	04/14/18 23:15	156-59-2	
cis-1,3-Dichloropropene	<2.1	ug/kg	2.1	1	04/14/18 10:55	04/14/18 23:15	10061-01-5	
trans-1,2-Dichloroethene	<2.1	ug/kg	2.1	1	04/14/18 10:55	04/14/18 23:15	156-60-5	CL
trans-1,3-Dichloropropene	<2.1	ug/kg	2.1	1	04/14/18 10:55	04/14/18 23:15	10061-02-6	L1
Surrogates								
Toluene-d8 (S)	90	%	43-157	1	04/14/18 10:55	04/14/18 23:15	2037-26-5	
4-Bromofluorobenzene (S)	91	%	34-145	1	04/14/18 10:55	04/14/18 23:15	460-00-4	
1,2-Dichloroethane-d4 (S)	109	%	33-150	1	04/14/18 10:55	04/14/18 23:15	17060-07-0	

Percent Moisture

Analytical Method: ASTM D2216-92M

Percent Moisture	16.1	%	0.10	1		04/11/18 18:32		
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REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: COYNE TEXTILE SERVICES-4/9

Pace Project No.: 7047847

Sample: **SS-100** Lab ID: **7047847002** Collected: 04/09/18 10:00 Received: 04/10/18 16:50 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8081 GCS Pesticides Analytical Method: EPA 8081B Preparation Method: EPA 3546								
Aldrin	<2.6	ug/kg	2.6	1	04/12/18 19:23	04/19/18 00:23	309-00-2	
alpha-BHC	<2.6	ug/kg	2.6	1	04/12/18 19:23	04/19/18 00:23	319-84-6	
beta-BHC	<2.6	ug/kg	2.6	1	04/12/18 19:23	04/19/18 00:23	319-85-7	
delta-BHC	<2.6	ug/kg	2.6	1	04/12/18 19:23	04/19/18 00:23	319-86-8	
gamma-BHC (Lindane)	<2.6	ug/kg	2.6	1	04/12/18 19:23	04/19/18 00:23	58-89-9	
alpha-Chlordane	<2.6	ug/kg	2.6	1	04/12/18 19:23	04/19/18 00:23	5103-71-9	
gamma-Chlordane	<2.6	ug/kg	2.6	1	04/12/18 19:23	04/19/18 00:23	5103-74-2	
4,4'-DDD	<5.1	ug/kg	5.1	1	04/12/18 19:23	04/19/18 00:23	72-54-8	
4,4'-DDE	<5.1	ug/kg	5.1	1	04/12/18 19:23	04/19/18 00:23	72-55-9	
4,4'-DDT	<5.1	ug/kg	5.1	1	04/12/18 19:23	04/19/18 00:23	50-29-3	
Dieldrin	<5.1	ug/kg	5.1	1	04/12/18 19:23	04/19/18 00:23	60-57-1	
Endosulfan I	<2.6	ug/kg	2.6	1	04/12/18 19:23	04/19/18 00:23	959-98-8	
Endosulfan II	<5.1	ug/kg	5.1	1	04/12/18 19:23	04/19/18 00:23	33213-65-9	
Endosulfan sulfate	<5.1	ug/kg	5.1	1	04/12/18 19:23	04/19/18 00:23	1031-07-8	
Endrin	<5.1	ug/kg	5.1	1	04/12/18 19:23	04/19/18 00:23	72-20-8	
Endrin aldehyde	<5.1	ug/kg	5.1	1	04/12/18 19:23	04/19/18 00:23	7421-93-4	
Endrin ketone	<5.1	ug/kg	5.1	1	04/12/18 19:23	04/19/18 00:23	53494-70-5	
Heptachlor	<2.6	ug/kg	2.6	1	04/12/18 19:23	04/19/18 00:23	76-44-8	
Heptachlor epoxide	<2.6	ug/kg	2.6	1	04/12/18 19:23	04/19/18 00:23	1024-57-3	
Methoxychlor	<26.1	ug/kg	26.1	1	04/12/18 19:23	04/19/18 00:23	72-43-5	
Toxaphene	<261	ug/kg	261	1	04/12/18 19:23	04/19/18 00:23	8001-35-2	
Surrogates								
Tetrachloro-m-xylene (S)	21	%	30-150	1	04/12/18 19:23	04/19/18 00:23	877-09-8	S0
Decachlorobiphenyl (S)	23	%	30-150	1	04/12/18 19:23	04/19/18 00:23	2051-24-3	CH,S0
8082 GCS PCB Analytical Method: EPA 8082A Preparation Method: EPA 3546								
PCB-1016 (Aroclor 1016)	<50.6	ug/kg	50.6	1	04/12/18 19:23	04/17/18 04:53	12674-11-2	
PCB-1221 (Aroclor 1221)	<103	ug/kg	103	1	04/12/18 19:23	04/17/18 04:53	11104-28-2	
PCB-1232 (Aroclor 1232)	<50.6	ug/kg	50.6	1	04/12/18 19:23	04/17/18 04:53	11141-16-5	
PCB-1242 (Aroclor 1242)	<50.6	ug/kg	50.6	1	04/12/18 19:23	04/17/18 04:53	53469-21-9	
PCB-1248 (Aroclor 1248)	<50.6	ug/kg	50.6	1	04/12/18 19:23	04/17/18 04:53	12672-29-6	
PCB-1254 (Aroclor 1254)	<50.6	ug/kg	50.6	1	04/12/18 19:23	04/17/18 04:53	11097-69-1	
PCB-1260 (Aroclor 1260)	<50.6	ug/kg	50.6	1	04/12/18 19:23	04/17/18 04:53	11096-82-5	
Surrogates								
Tetrachloro-m-xylene (S)	38	%	30-150	1	04/12/18 19:23	04/17/18 04:53	877-09-8	
Decachlorobiphenyl (S)	27	%	30-150	1	04/12/18 19:23	04/17/18 04:53	2051-24-3	1j,S0
6010 MET ICP Analytical Method: EPA 6010C Preparation Method: EPA 3050B								
Aluminum	8290	mg/kg	15.9	1	04/11/18 12:10	04/12/18 05:03	7429-90-5	
Antimony	<4.8	mg/kg	4.8	1	04/11/18 12:10	04/12/18 05:03	7440-36-0	
Arsenic	4.1	mg/kg	0.80	1	04/11/18 12:10	04/12/18 05:03	7440-38-2	
Barium	129	mg/kg	15.9	1	04/11/18 12:10	04/12/18 05:03	7440-39-3	
Beryllium	<0.40	mg/kg	0.40	1	04/11/18 12:10	04/12/18 05:03	7440-41-7	
Cadmium	0.54	mg/kg	0.20	1	04/11/18 12:10	04/12/18 05:03	7440-43-9	
Calcium	13500	mg/kg	79.7	1	04/11/18 12:10	04/12/18 05:03	7440-70-2	
Chromium	10.4	mg/kg	0.80	1	04/11/18 12:10	04/12/18 05:03	7440-47-3	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: COYNE TEXTILE SERVICES-4/9

Pace Project No.: 7047847

Sample: SS-100 **Lab ID: 7047847002** Collected: 04/09/18 10:00 Received: 04/10/18 16:50 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP Analytical Method: EPA 6010C Preparation Method: EPA 3050B								
Cobalt	4.9	mg/kg	4.0	1	04/11/18 12:10	04/12/18 05:03	7440-48-4	
Copper	13.4	mg/kg	2.0	1	04/11/18 12:10	04/12/18 05:03	7440-50-8	
Iron	12800	mg/kg	8.0	1	04/11/18 12:10	04/12/18 05:03	7439-89-6	
Lead	19.6	mg/kg	0.40	1	04/11/18 12:10	04/12/18 05:03	7439-92-1	
Magnesium	2600	mg/kg	79.7	1	04/11/18 12:10	04/12/18 05:03	7439-95-4	
Manganese	830	mg/kg	1.2	1	04/11/18 12:10	04/12/18 05:03	7439-96-5	
Nickel	8.7	mg/kg	3.2	1	04/11/18 12:10	04/12/18 05:03	7440-02-0	
Potassium	827	mg/kg	399	1	04/11/18 12:10	04/12/18 05:03	7440-09-7	
Selenium	<0.80	mg/kg	0.80	1	04/11/18 12:10	04/12/18 05:03	7782-49-2	
Silver	<0.80	mg/kg	0.80	1	04/11/18 12:10	04/12/18 05:03	7440-22-4	
Sodium	<399	mg/kg	399	1	04/11/18 12:10	04/12/18 05:03	7440-23-5	
Thallium	<0.80	mg/kg	0.80	1	04/11/18 12:10	04/12/18 05:03	7440-28-0	
Vanadium	15.6	mg/kg	4.0	1	04/11/18 12:10	04/12/18 05:03	7440-62-2	
Zinc	57.4	mg/kg	1.6	1	04/11/18 12:10	04/12/18 05:03	7440-66-6	
7471 Mercury Analytical Method: EPA 7471B Preparation Method: EPA 7471B								
Mercury	0.12	mg/kg	0.063	1	04/11/18 12:22	04/16/18 12:11	7439-97-6	
8270 MSSV Analytical Method: EPA 8270D Preparation Method: EPA 3545A								
1,2,4-Trichlorobenzene	<103	ug/kg	103	1	04/12/18 20:52	04/17/18 23:00	120-82-1	
2,2'-Oxybis(1-chloropropane)	<103	ug/kg	103	1	04/12/18 20:52	04/17/18 23:00	108-60-1	
2,4,5-Trichlorophenol	<103	ug/kg	103	1	04/12/18 20:52	04/17/18 23:00	95-95-4	
2,4,6-Trichlorophenol	<103	ug/kg	103	1	04/12/18 20:52	04/17/18 23:00	88-06-2	
2,4-Dichlorophenol	<103	ug/kg	103	1	04/12/18 20:52	04/17/18 23:00	120-83-2	
2,4-Dimethylphenol	<103	ug/kg	103	1	04/12/18 20:52	04/17/18 23:00	105-67-9	
2,4-Dinitrophenol	<1030	ug/kg	1030	1	04/12/18 20:52	04/17/18 23:00	51-28-5	
2,4-Dinitrotoluene	<506	ug/kg	506	1	04/12/18 20:52	04/17/18 23:00	121-14-2	
2,6-Dinitrotoluene	<506	ug/kg	506	1	04/12/18 20:52	04/17/18 23:00	606-20-2	
2-Chloronaphthalene	<103	ug/kg	103	1	04/12/18 20:52	04/17/18 23:00	91-58-7	
2-Chlorophenol	<103	ug/kg	103	1	04/12/18 20:52	04/17/18 23:00	95-57-8	
2-Methylnaphthalene	<103	ug/kg	103	1	04/12/18 20:52	04/17/18 23:00	91-57-6	
2-Methylphenol(o-Cresol)	<103	ug/kg	103	1	04/12/18 20:52	04/17/18 23:00	95-48-7	
2-Nitroaniline	<506	ug/kg	506	1	04/12/18 20:52	04/17/18 23:00	88-74-4	
2-Nitrophenol	<506	ug/kg	506	1	04/12/18 20:52	04/17/18 23:00	88-75-5	
3&4-Methylphenol(m&p Cresol)	<103	ug/kg	103	1	04/12/18 20:52	04/17/18 23:00		
3,3'-Dichlorobenzidine	<506	ug/kg	506	1	04/12/18 20:52	04/17/18 23:00	91-94-1	
3-Nitroaniline	<506	ug/kg	506	1	04/12/18 20:52	04/17/18 23:00	99-09-2	
4,6-Dinitro-2-methylphenol	<1030	ug/kg	1030	1	04/12/18 20:52	04/17/18 23:00	534-52-1	
4-Bromophenylphenyl ether	<103	ug/kg	103	1	04/12/18 20:52	04/17/18 23:00	101-55-3	
4-Chloro-3-methylphenol	<103	ug/kg	103	1	04/12/18 20:52	04/17/18 23:00	59-50-7	
4-Chloroaniline	<506	ug/kg	506	1	04/12/18 20:52	04/17/18 23:00	106-47-8	
4-Chlorophenylphenyl ether	<103	ug/kg	103	1	04/12/18 20:52	04/17/18 23:00	7005-72-3	
4-Nitroaniline	<506	ug/kg	506	1	04/12/18 20:52	04/17/18 23:00	100-01-6	
4-Nitrophenol	<1030	ug/kg	1030	1	04/12/18 20:52	04/17/18 23:00	100-02-7	
Acenaphthene	<103	ug/kg	103	1	04/12/18 20:52	04/17/18 23:00	83-32-9	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: COYNE TEXTILE SERVICES-4/9

Pace Project No.: 7047847

Sample: SS-100 **Lab ID: 7047847002** Collected: 04/09/18 10:00 Received: 04/10/18 16:50 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Analytical Method: EPA 8270D Preparation Method: EPA 3545A								
Acenaphthylene	<103	ug/kg	103	1	04/12/18 20:52	04/17/18 23:00	208-96-8	
Acetophenone	<103	ug/kg	103	1	04/12/18 20:52	04/17/18 23:00	98-86-2	
Anthracene	<103	ug/kg	103	1	04/12/18 20:52	04/17/18 23:00	120-12-7	
Atrazine	<103	ug/kg	103	1	04/12/18 20:52	04/17/18 23:00	1912-24-9	
Benzaldehyde	376	ug/kg	103	1	04/12/18 20:52	04/17/18 23:00	100-52-7	CL,IC,IL, L2
Benzo(a)anthracene	159	ug/kg	103	1	04/12/18 20:52	04/17/18 23:00	56-55-3	
Benzo(a)pyrene	188	ug/kg	103	1	04/12/18 20:52	04/17/18 23:00	50-32-8	
Benzo(b)fluoranthene	278	ug/kg	103	1	04/12/18 20:52	04/17/18 23:00	205-99-2	
Benzo(g,h,i)perylene	177	ug/kg	103	1	04/12/18 20:52	04/17/18 23:00	191-24-2	
Benzo(k)fluoranthene	129	ug/kg	103	1	04/12/18 20:52	04/17/18 23:00	207-08-9	
Biphenyl (Diphenyl)	<103	ug/kg	103	1	04/12/18 20:52	04/17/18 23:00	92-52-4	
Butylbenzylphthalate	<103	ug/kg	103	1	04/12/18 20:52	04/17/18 23:00	85-68-7	
Caprolactam	<103	ug/kg	103	1	04/12/18 20:52	04/17/18 23:00	105-60-2	
Carbazole	<103	ug/kg	103	1	04/12/18 20:52	04/17/18 23:00	86-74-8	
Chrysene	225	ug/kg	103	1	04/12/18 20:52	04/17/18 23:00	218-01-9	
Di-n-butylphthalate	<103	ug/kg	103	1	04/12/18 20:52	04/17/18 23:00	84-74-2	
Di-n-octylphthalate	<103	ug/kg	103	1	04/12/18 20:52	04/17/18 23:00	117-84-0	
Dibenz(a,h)anthracene	<103	ug/kg	103	1	04/12/18 20:52	04/17/18 23:00	53-70-3	
Dibenzofuran	<103	ug/kg	103	1	04/12/18 20:52	04/17/18 23:00	132-64-9	
Diethylphthalate	<103	ug/kg	103	1	04/12/18 20:52	04/17/18 23:00	84-66-2	
Dimethylphthalate	<103	ug/kg	103	1	04/12/18 20:52	04/17/18 23:00	131-11-3	
Fluoranthene	353	ug/kg	103	1	04/12/18 20:52	04/17/18 23:00	206-44-0	
Fluorene	<103	ug/kg	103	1	04/12/18 20:52	04/17/18 23:00	86-73-7	
Hexachloro-1,3-butadiene	<103	ug/kg	103	1	04/12/18 20:52	04/17/18 23:00	87-68-3	
Hexachlorobenzene	<103	ug/kg	103	1	04/12/18 20:52	04/17/18 23:00	118-74-1	
Hexachlorocyclopentadiene	<506	ug/kg	506	1	04/12/18 20:52	04/17/18 23:00	77-47-4	CL
Hexachloroethane	<103	ug/kg	103	1	04/12/18 20:52	04/17/18 23:00	67-72-1	
Indeno(1,2,3-cd)pyrene	165	ug/kg	103	1	04/12/18 20:52	04/17/18 23:00	193-39-5	
Isophorone	<103	ug/kg	103	1	04/12/18 20:52	04/17/18 23:00	78-59-1	
N-Nitroso-di-n-propylamine	<103	ug/kg	103	1	04/12/18 20:52	04/17/18 23:00	621-64-7	
N-Nitrosodiphenylamine	<103	ug/kg	103	1	04/12/18 20:52	04/17/18 23:00	86-30-6	
Naphthalene	<103	ug/kg	103	1	04/12/18 20:52	04/17/18 23:00	91-20-3	
Nitrobenzene	<103	ug/kg	103	1	04/12/18 20:52	04/17/18 23:00	98-95-3	
Pentachlorophenol	<1030	ug/kg	1030	1	04/12/18 20:52	04/17/18 23:00	87-86-5	
Phenanthrene	138	ug/kg	103	1	04/12/18 20:52	04/17/18 23:00	85-01-8	
Phenol	<103	ug/kg	103	1	04/12/18 20:52	04/17/18 23:00	108-95-2	
Pyrene	301	ug/kg	103	1	04/12/18 20:52	04/17/18 23:00	129-00-0	
bis(2-Chloroethoxy)methane	<103	ug/kg	103	1	04/12/18 20:52	04/17/18 23:00	111-91-1	
bis(2-Chloroethyl) ether	<103	ug/kg	103	1	04/12/18 20:52	04/17/18 23:00	111-44-4	
bis(2-Ethylhexyl)phthalate	<103	ug/kg	103	1	04/12/18 20:52	04/17/18 23:00	117-81-7	
Surrogates								
Nitrobenzene-d5 (S)	69	%	23-120	1	04/12/18 20:52	04/17/18 23:00	4165-60-0	
2-Fluorobiphenyl (S)	76	%	30-115	1	04/12/18 20:52	04/17/18 23:00	321-60-8	
p-Terphenyl-d14 (S)	80	%	18-137	1	04/12/18 20:52	04/17/18 23:00	1718-51-0	
Phenol-d5 (S)	67	%	24-113	1	04/12/18 20:52	04/17/18 23:00	4165-62-2	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: COYNE TEXTILE SERVICES-4/9

Sample Project No.: 7047847

Sample: **SS-100** Lab ID: **7047847002** Collected: 04/09/18 10:00 Received: 04/10/18 16:50 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Analytical Method: EPA 8270D Preparation Method: EPA 3545A								
Surrogates								
2-Fluorophenol (S)	56	%	25-121	1	04/12/18 20:52	04/17/18 23:00	367-12-4	
2,4,6-Tribromophenol (S)	65	%	19-122	1	04/12/18 20:52	04/17/18 23:00	118-79-6	
2-Chlorophenol-d4 (S)	62	%	20-130	1	04/12/18 20:52	04/17/18 23:00	93951-73-6	
1,2-Dichlorobenzene-d4 (S)	64	%	20-130	1	04/12/18 20:52	04/17/18 23:00	2199-69-1	
8260C MSV 5035A-L Low Level Analytical Method: EPA 8260C Preparation Method: EPA 5035A-L								
1,1,1-Trichloroethane	<3.3	ug/kg	3.3	1	04/14/18 10:55	04/14/18 23:41	71-55-6	
1,1,2,2-Tetrachloroethane	<3.3	ug/kg	3.3	1	04/14/18 10:55	04/14/18 23:41	79-34-5	
1,1,2-Trichloroethane	<3.3	ug/kg	3.3	1	04/14/18 10:55	04/14/18 23:41	79-00-5	
1,1,2-Trichlorotrifluoroethane	<3.3	ug/kg	3.3	1	04/14/18 10:55	04/14/18 23:41	76-13-1	
1,1-Dichloroethane	<3.3	ug/kg	3.3	1	04/14/18 10:55	04/14/18 23:41	75-34-3	
1,1-Dichloroethene	<3.3	ug/kg	3.3	1	04/14/18 10:55	04/14/18 23:41	75-35-4	
1,2,4-Trichlorobenzene	<3.3	ug/kg	3.3	1	04/14/18 10:55	04/14/18 23:41	120-82-1	
1,2-Dibromo-3-chloropropane	<3.3	ug/kg	3.3	1	04/14/18 10:55	04/14/18 23:41	96-12-8	
1,2-Dibromoethane (EDB)	<3.3	ug/kg	3.3	1	04/14/18 10:55	04/14/18 23:41	106-93-4	
1,2-Dichlorobenzene	<3.3	ug/kg	3.3	1	04/14/18 10:55	04/14/18 23:41	95-50-1	
1,2-Dichloroethane	<3.3	ug/kg	3.3	1	04/14/18 10:55	04/14/18 23:41	107-06-2	
1,2-Dichloropropane	<3.3	ug/kg	3.3	1	04/14/18 10:55	04/14/18 23:41	78-87-5	
1,3-Dichlorobenzene	<3.3	ug/kg	3.3	1	04/14/18 10:55	04/14/18 23:41	541-73-1	
1,4-Dichlorobenzene	<3.3	ug/kg	3.3	1	04/14/18 10:55	04/14/18 23:41	106-46-7	
2-Butanone (MEK)	45.9	ug/kg	3.3	1	04/14/18 10:55	04/14/18 23:41	78-93-3	
2-Hexanone	<3.3	ug/kg	3.3	1	04/14/18 10:55	04/14/18 23:41	591-78-6	
4-Methyl-2-pentanone (MIBK)	<3.3	ug/kg	3.3	1	04/14/18 10:55	04/14/18 23:41	108-10-1	
Acetone	427	ug/kg	3.3	1	04/14/18 10:55	04/14/18 23:41	67-64-1	A+,E,IH
Benzene	<3.3	ug/kg	3.3	1	04/14/18 10:55	04/14/18 23:41	71-43-2	
Bromodichloromethane	<3.3	ug/kg	3.3	1	04/14/18 10:55	04/14/18 23:41	75-27-4	
Bromoform	<3.3	ug/kg	3.3	1	04/14/18 10:55	04/14/18 23:41	75-25-2	
Bromomethane	<3.3	ug/kg	3.3	1	04/14/18 10:55	04/14/18 23:41	74-83-9	
Carbon disulfide	<3.3	ug/kg	3.3	1	04/14/18 10:55	04/14/18 23:41	75-15-0	
Carbon tetrachloride	<3.3	ug/kg	3.3	1	04/14/18 10:55	04/14/18 23:41	56-23-5	
Chlorobenzene	<3.3	ug/kg	3.3	1	04/14/18 10:55	04/14/18 23:41	108-90-7	
Chloroethane	<3.3	ug/kg	3.3	1	04/14/18 10:55	04/14/18 23:41	75-00-3	
Chloroform	<3.3	ug/kg	3.3	1	04/14/18 10:55	04/14/18 23:41	67-66-3	
Chloromethane	<3.3	ug/kg	3.3	1	04/14/18 10:55	04/14/18 23:41	74-87-3	
Cyclohexane	<3.3	ug/kg	3.3	1	04/14/18 10:55	04/14/18 23:41	110-82-7	
Dibromochloromethane	<3.3	ug/kg	3.3	1	04/14/18 10:55	04/14/18 23:41	124-48-1	
Dichlorodifluoromethane	<3.3	ug/kg	3.3	1	04/14/18 10:55	04/14/18 23:41	75-71-8	CL
Ethylbenzene	<3.3	ug/kg	3.3	1	04/14/18 10:55	04/14/18 23:41	100-41-4	
Isopropylbenzene (Cumene)	<3.3	ug/kg	3.3	1	04/14/18 10:55	04/14/18 23:41	98-82-8	
Methyl acetate	18.5	ug/kg	3.3	1	04/14/18 10:55	04/14/18 23:41	79-20-9	
Methyl-tert-butyl ether	<3.3	ug/kg	3.3	1	04/14/18 10:55	04/14/18 23:41	1634-04-4	
Methylcyclohexane	<3.3	ug/kg	3.3	1	04/14/18 10:55	04/14/18 23:41	108-87-2	
Methylene Chloride	<3.3	ug/kg	3.3	1	04/14/18 10:55	04/14/18 23:41	75-09-2	
Styrene	<3.3	ug/kg	3.3	1	04/14/18 10:55	04/14/18 23:41	100-42-5	
Tetrachloroethene	<3.3	ug/kg	3.3	1	04/14/18 10:55	04/14/18 23:41	127-18-4	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: COYNE TEXTILE SERVICES-4/9

Pace Project No.: 7047847

Sample: SS-100 **Lab ID: 7047847002** Collected: 04/09/18 10:00 Received: 04/10/18 16:50 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260C MSV 5035A-L Low Level		Analytical Method: EPA 8260C Preparation Method: EPA 5035A-L						
Toluene	<3.3	ug/kg	3.3	1	04/14/18 10:55	04/14/18 23:41	108-88-3	CH
Trichloroethene	<3.3	ug/kg	3.3	1	04/14/18 10:55	04/14/18 23:41	79-01-6	
Trichlorofluoromethane	<3.3	ug/kg	3.3	1	04/14/18 10:55	04/14/18 23:41	75-69-4	
Vinyl chloride	<3.3	ug/kg	3.3	1	04/14/18 10:55	04/14/18 23:41	75-01-4	
Xylene (Total)	<6.6	ug/kg	6.6	1	04/14/18 10:55	04/14/18 23:41	1330-20-7	
cis-1,2-Dichloroethene	<3.3	ug/kg	3.3	1	04/14/18 10:55	04/14/18 23:41	156-59-2	
cis-1,3-Dichloropropene	<3.3	ug/kg	3.3	1	04/14/18 10:55	04/14/18 23:41	10061-01-5	
trans-1,2-Dichloroethene	<3.3	ug/kg	3.3	1	04/14/18 10:55	04/14/18 23:41	156-60-5	CL
trans-1,3-Dichloropropene	<3.3	ug/kg	3.3	1	04/14/18 10:55	04/14/18 23:41	10061-02-6	
Surrogates								
Toluene-d8 (S)	96	%	43-157	1	04/14/18 10:55	04/14/18 23:41	2037-26-5	
4-Bromofluorobenzene (S)	85	%	34-145	1	04/14/18 10:55	04/14/18 23:41	460-00-4	
1,2-Dichloroethane-d4 (S)	98	%	33-150	1	04/14/18 10:55	04/14/18 23:41	17060-07-0	
Percent Moisture		Analytical Method: ASTM D2216-92M						
Percent Moisture	34.8	%	0.10	1		04/11/18 18:32		

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: COYNE TEXTILE SERVICES-4/9
Pace Project No.: 7047847

QC Batch: 62959 Analysis Method: EPA 7471B
QC Batch Method: EPA 7471B Analysis Description: 7471 Mercury
Associated Lab Samples: 7047847001, 7047847002

METHOD BLANK: 289127 Matrix: Solid
Associated Lab Samples: 7047847001, 7047847002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury	mg/kg	<0.033	0.033	04/16/18 12:01	

LABORATORY CONTROL SAMPLE: 289128

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	mg/kg	.17	0.16	95	80-120	

MATRIX SPIKE SAMPLE: 289129

Parameter	Units	7047847001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Mercury	mg/kg	<0.047	.26	0.28	108	80-120	

SAMPLE DUPLICATE: 289130

Parameter	Units	7047847001 Result	Dup Result	RPD	Qualifiers
Mercury	mg/kg	<0.047	<0.048		

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QUALITY CONTROL DATA

Project: COYNE TEXTILE SERVICES-4/9
Pace Project No.: 7047847

QC Batch: 62958 Analysis Method: EPA 6010C
QC Batch Method: EPA 3050B Analysis Description: 6010 MET
Associated Lab Samples: 7047847001, 7047847002

METHOD BLANK: 289123 Matrix: Solid
Associated Lab Samples: 7047847001, 7047847002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Aluminum	mg/kg	<10.1	10.1	04/12/18 04:26	
Antimony	mg/kg	<3.0	3.0	04/12/18 04:26	
Arsenic	mg/kg	<0.50	0.50	04/12/18 04:26	
Barium	mg/kg	<10.1	10.1	04/12/18 04:26	
Beryllium	mg/kg	<0.25	0.25	04/12/18 04:26	
Cadmium	mg/kg	<0.13	0.13	04/12/18 04:26	
Calcium	mg/kg	<50.5	50.5	04/12/18 04:26	
Chromium	mg/kg	<0.50	0.50	04/12/18 04:26	
Cobalt	mg/kg	<2.5	2.5	04/12/18 04:26	
Copper	mg/kg	<1.3	1.3	04/12/18 04:26	
Iron	mg/kg	<5.0	5.0	04/12/18 04:26	
Lead	mg/kg	<0.25	0.25	04/12/18 04:26	
Magnesium	mg/kg	<50.5	50.5	04/12/18 04:26	
Manganese	mg/kg	<0.76	0.76	04/12/18 04:26	
Nickel	mg/kg	<2.0	2.0	04/12/18 04:26	
Potassium	mg/kg	<252	252	04/12/18 04:26	
Selenium	mg/kg	<0.50	0.50	04/12/18 04:26	
Silver	mg/kg	<0.50	0.50	04/12/18 04:26	
Sodium	mg/kg	<252	252	04/12/18 04:26	
Thallium	mg/kg	<0.50	0.50	04/12/18 04:26	
Vanadium	mg/kg	<2.5	2.5	04/12/18 04:26	
Zinc	mg/kg	<1.0	1.0	04/12/18 04:26	

LABORATORY CONTROL SAMPLE: 289124

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Aluminum	mg/kg	7990	6050	76	47-152	
Antimony	mg/kg	65	45.9	71	1-200	
Arsenic	mg/kg	147	132	90	80-120	
Barium	mg/kg	314	291	93	80-120	
Beryllium	mg/kg	53.3	52.8	99	80-120	
Cadmium	mg/kg	193	179	93	80-120	
Calcium	mg/kg	4580	4180	91	80-120	
Chromium	mg/kg	82.5	71.6	87	80-120	
Cobalt	mg/kg	81.2	77.9	96	80-120	
Copper	mg/kg	171	156	91	80-120	
Iron	mg/kg	14100	10500	74	60-140	
Lead	mg/kg	92.2	83.1	90	80-120	
Magnesium	mg/kg	2240	1960	87	80-120	
Manganese	mg/kg	222	226	102	80-120	

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QUALITY CONTROL DATA

Project: COYNE TEXTILE SERVICES-4/9

Pace Project No.: 7047847

LABORATORY CONTROL SAMPLE: 289124

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nickel	mg/kg	137	130	95	80-120	
Potassium	mg/kg	2000	1600	80	70-130	
Selenium	mg/kg	187	172	92	80-120	
Silver	mg/kg	40.7	42.3	104	80-120	
Sodium	mg/kg	216	<250	82	72-128	
Thallium	mg/kg	153	146	95	80-120	
Vanadium	mg/kg	86.5	76.0	88	80-120	
Zinc	mg/kg	189	174	92	80-120	

MATRIX SPIKE SAMPLE: 289126

Parameter	Units	7047847001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Aluminum	mg/kg	2880	285	4110	435	75-125	M1
Antimony	mg/kg	<3.3	42.7	32.1	75	75-125	
Arsenic	mg/kg	5.1	28.5	30.3	89	75-125	
Barium	mg/kg	16.1	28.5	44.7	101	75-125	
Beryllium	mg/kg	<0.27	2.9	2.8	94	75-125	
Cadmium	mg/kg	0.24	2.9	2.7	88	75-125	
Calcium	mg/kg	45500	1420	42700	-197	75-125	M1
Chromium	mg/kg	4.6	14.2	18.8	100	75-125	
Cobalt	mg/kg	3.1	28.5	28.3	89	75-125	
Copper	mg/kg	4.5	14.2	17.3	90	75-125	
Iron	mg/kg	10100	114	9580	-412	75-125	M1
Lead	mg/kg	3.6	28.5	28.4	87	75-125	
Magnesium	mg/kg	10400	1420	11100	54	75-125	M1
Manganese	mg/kg	254	14.2	260	48	75-125	M1
Nickel	mg/kg	7.4	14.2	20.0	88	75-125	
Potassium	mg/kg	472	2850	3270	98	75-125	
Selenium	mg/kg	<0.55	42.7	38.8	91	75-125	
Silver	mg/kg	<0.55	14.2	13.0	91	75-125	
Sodium	mg/kg	<273	2850	2860	97	75-125	
Thallium	mg/kg	<0.55	42.7	37.2	87	75-125	
Vanadium	mg/kg	7.7	28.5	35.2	97	75-125	
Zinc	mg/kg	17.5	56.9	69.8	92	75-125	

SAMPLE DUPLICATE: 289125

Parameter	Units	7047847001 Result	Dup Result	RPD	Qualifiers
Aluminum	mg/kg	2880	3610	23	D6
Antimony	mg/kg	<3.3	<3.7		
Arsenic	mg/kg	5.1	5.3	5	
Barium	mg/kg	16.1	21.5	29	D6
Beryllium	mg/kg	<0.27	<0.31		
Cadmium	mg/kg	0.24	0.27	12	

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QUALITY CONTROL DATA

Project: COYNE TEXTILE SERVICES-4/9

Pace Project No.: 7047847

SAMPLE DUPLICATE: 289125

Parameter	Units	7047847001 Result	Dup Result	RPD	Qualifiers
Calcium	mg/kg	45500	43700		4
Chromium	mg/kg	4.6	6.1		29 D6
Cobalt	mg/kg	3.1	3.7		18
Copper	mg/kg	4.5	6.3		33 D6
Iron	mg/kg	10100	11000		9
Lead	mg/kg	3.6	4.6		23 D6
Magnesium	mg/kg	10400	10900		5
Manganese	mg/kg	254	263		4
Nickel	mg/kg	7.4	9.2		21 D6
Potassium	mg/kg	472	574		19
Selenium	mg/kg	<0.55	<0.61		
Silver	mg/kg	<0.55	<0.61		
Sodium	mg/kg	<273	<306		
Thallium	mg/kg	<0.55	<0.61		
Vanadium	mg/kg	7.7	10.1		27 D6
Zinc	mg/kg	17.5	22.2		24 D6

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QUALITY CONTROL DATA

Project: COYNE TEXTILE SERVICES-4/9
Pace Project No.: 7047847

QC Batch: 63550 Analysis Method: EPA 8260C
QC Batch Method: EPA 5035A-L Analysis Description: 8260 MSV 5035A-L Low Level
Associated Lab Samples: 7047847001, 7047847002

METHOD BLANK: 291842 Matrix: Solid
Associated Lab Samples: 7047847001, 7047847002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/kg	<2.0	2.0	04/14/18 15:06	
1,1,2,2-Tetrachloroethane	ug/kg	<2.0	2.0	04/14/18 15:06	
1,1,2-Trichloroethane	ug/kg	<2.0	2.0	04/14/18 15:06	
1,1,2-Trichlorotrifluoroethane	ug/kg	<2.0	2.0	04/14/18 15:06	
1,1-Dichloroethane	ug/kg	<2.0	2.0	04/14/18 15:06	
1,1-Dichloroethene	ug/kg	<2.0	2.0	04/14/18 15:06	
1,2,4-Trichlorobenzene	ug/kg	<2.0	2.0	04/14/18 15:06	
1,2-Dibromo-3-chloropropane	ug/kg	<2.0	2.0	04/14/18 15:06	
1,2-Dibromoethane (EDB)	ug/kg	<2.0	2.0	04/14/18 15:06	
1,2-Dichlorobenzene	ug/kg	<2.0	2.0	04/14/18 15:06	
1,2-Dichloroethane	ug/kg	<2.0	2.0	04/14/18 15:06	
1,2-Dichloropropane	ug/kg	<2.0	2.0	04/14/18 15:06	
1,3-Dichlorobenzene	ug/kg	<2.0	2.0	04/14/18 15:06	
1,4-Dichlorobenzene	ug/kg	<2.0	2.0	04/14/18 15:06	
2-Butanone (MEK)	ug/kg	<2.0	2.0	04/14/18 15:06	
2-Hexanone	ug/kg	<2.0	2.0	04/14/18 15:06	
4-Methyl-2-pentanone (MIBK)	ug/kg	<2.0	2.0	04/14/18 15:06	
Acetone	ug/kg	<2.0	2.0	04/14/18 15:06	
Benzene	ug/kg	<2.0	2.0	04/14/18 15:06	
Bromodichloromethane	ug/kg	<2.0	2.0	04/14/18 15:06	
Bromoform	ug/kg	<2.0	2.0	04/14/18 15:06	
Bromomethane	ug/kg	<2.0	2.0	04/14/18 15:06	
Carbon disulfide	ug/kg	<2.0	2.0	04/14/18 15:06	
Carbon tetrachloride	ug/kg	<2.0	2.0	04/14/18 15:06	
Chlorobenzene	ug/kg	<2.0	2.0	04/14/18 15:06	
Chloroethane	ug/kg	<2.0	2.0	04/14/18 15:06	
Chloroform	ug/kg	<2.0	2.0	04/14/18 15:06	
Chloromethane	ug/kg	<2.0	2.0	04/14/18 15:06	
cis-1,2-Dichloroethene	ug/kg	<2.0	2.0	04/14/18 15:06	
cis-1,3-Dichloropropene	ug/kg	<2.0	2.0	04/14/18 15:06	
Cyclohexane	ug/kg	<2.0	2.0	04/14/18 15:06	
Dibromochloromethane	ug/kg	<2.0	2.0	04/14/18 15:06	
Dichlorodifluoromethane	ug/kg	<2.0	2.0	04/14/18 15:06	CL
Ethylbenzene	ug/kg	<2.0	2.0	04/14/18 15:06	
Isopropylbenzene (Cumene)	ug/kg	<2.0	2.0	04/14/18 15:06	
Methyl acetate	ug/kg	<2.0	2.0	04/14/18 15:06	
Methyl-tert-butyl ether	ug/kg	<2.0	2.0	04/14/18 15:06	
Methylcyclohexane	ug/kg	<2.0	2.0	04/14/18 15:06	
Methylene Chloride	ug/kg	<2.0	2.0	04/14/18 15:06	
Styrene	ug/kg	<2.0	2.0	04/14/18 15:06	
Tetrachloroethene	ug/kg	<2.0	2.0	04/14/18 15:06	

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QUALITY CONTROL DATA

Project: COYNE TEXTILE SERVICES-4/9

Project No.: 7047847

METHOD BLANK: 291842

Matrix: Solid

Associated Lab Samples: 7047847001, 7047847002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Toluene	ug/kg	<2.0	2.0	04/14/18 15:06	
trans-1,2-Dichloroethane	ug/kg	<2.0	2.0	04/14/18 15:06	CL
trans-1,3-Dichloropropene	ug/kg	<2.0	2.0	04/14/18 15:06	
Trichloroethene	ug/kg	<2.0	2.0	04/14/18 15:06	
Trichlorofluoromethane	ug/kg	<2.0	2.0	04/14/18 15:06	
Vinyl chloride	ug/kg	<2.0	2.0	04/14/18 15:06	
Xylene (Total)	ug/kg	<3.9	3.9	04/14/18 15:06	
1,2-Dichloroethane-d4 (S)	%	91	33-150	04/14/18 15:06	
4-Bromofluorobenzene (S)	%	97	34-145	04/14/18 15:06	
Toluene-d8 (S)	%	91	43-157	04/14/18 15:06	

LABORATORY CONTROL SAMPLE: 291843

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/kg	50.5	35.6	71	59-134	
1,1,2,2-Tetrachloroethane	ug/kg	50.5	48.0	95	69-132	
1,1,2-Trichloroethane	ug/kg	50.5	74.3	147	73-135	L1
1,1,2-Trichlorotrifluoroethane	ug/kg	50.5	32.2	64	45-156	
1,1-Dichloroethane	ug/kg	50.5	42.1	83	53-160	
1,1-Dichloroethene	ug/kg	50.5	41.0	81	47-152	
1,2,4-Trichlorobenzene	ug/kg	50.5	39.7	79	52-140	
1,2-Dibromo-3-chloropropane	ug/kg	50.5	38.5	76	57-140	
1,2-Dibromoethane (EDB)	ug/kg	50.5	86.3	171	76-138	CH,L1
1,2-Dichlorobenzene	ug/kg	50.5	49.5	98	67-125	
1,2-Dichloroethane	ug/kg	50.5	47.3	94	65-143	
1,2-Dichloropropane	ug/kg	50.5	49.6	98	72-131	
1,3-Dichlorobenzene	ug/kg	50.5	51.6	102	64-124	
1,4-Dichlorobenzene	ug/kg	50.5	51.7	102	61-127	
2-Butanone (MEK)	ug/kg	50.5	54.6	108	52-164	
2-Hexanone	ug/kg	50.5	58.7	116	66-151	
4-Methyl-2-pentanone (MIBK)	ug/kg	50.5	85.6	170	63-154	CH,L1
Acetone	ug/kg	50.5	66.9	133	23-196	IH
Benzene	ug/kg	50.5	46.9	93	65-129	
Bromodichloromethane	ug/kg	50.5	57.7	114	74-141	
Bromoform	ug/kg	50.5	58.2	115	59-136	
Bromomethane	ug/kg	50.5	70.4	139	32-182	CH
Carbon disulfide	ug/kg	50.5	56.7	112	26-160	
Carbon tetrachloride	ug/kg	50.5	33.4	66	57-135	
Chlorobenzene	ug/kg	50.5	54.9	109	62-136	
Chloroethane	ug/kg	50.5	58.7	116	50-159	
Chloroform	ug/kg	50.5	41.9	83	71-135	
Chloromethane	ug/kg	50.5	57.1	113	44-139	
cis-1,2-Dichloroethene	ug/kg	50.5	45.3	90	75-130	
cis-1,3-Dichloropropene	ug/kg	50.5	62.5	124	74-140	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: COYNE TEXTILE SERVICES-4/9
Pace Project No.: 7047847

LABORATORY CONTROL SAMPLE: 291843

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Cyclohexane	ug/kg	50.5	32.4	64	21-139	
Dibromochloromethane	ug/kg	50.5	53.1	105	71-133	
Dichlorodifluoromethane	ug/kg	50.5	36.6	72	10-155	CL
Ethylbenzene	ug/kg	50.5	52.0	103	59-135	
Isopropylbenzene (Cumene)	ug/kg	50.5	51.3	102	56-129	
Methyl acetate	ug/kg	50.5	57.7	114	33-176	
Methyl-tert-butyl ether	ug/kg	50.5	52.6	104	25-171	
Methylcyclohexane	ug/kg	50.5	41.0	81	24-141	
Methylene Chloride	ug/kg	50.5	76.3	151	50-164	
Styrene	ug/kg	50.5	58.0	115	73-133	
Tetrachloroethene	ug/kg	50.5	42.9	85	10-176	
Toluene	ug/kg	50.5	68.8	136	66-131	CH,L1
trans-1,2-Dichloroethene	ug/kg	50.5	39.5	78	53-157	CL
trans-1,3-Dichloropropene	ug/kg	50.5	73.7	146	66-144	L1
Trichloroethene	ug/kg	50.5	47.5	94	62-130	
Trichlorofluoromethane	ug/kg	50.5	41.3	82	38-166	
Vinyl chloride	ug/kg	50.5	45.2	90	45-137	
Xylene (Total)	ug/kg	152	165	109	62-135	
1,2-Dichloroethane-d4 (S)	%			94	33-150	
4-Bromofluorobenzene (S)	%			103	34-145	
Toluene-d8 (S)	%			80	43-157	

SAMPLE DUPLICATE: 291952

Parameter	Units	7047771003 Result	Dup Result	RPD	Qualifiers
1,1,1-Trichloroethane	ug/kg	<2.0	<2.1		
1,1,2,2-Tetrachloroethane	ug/kg	<2.0	<2.1		
1,1,2-Trichloroethane	ug/kg	<2.0	<2.1		
1,1,2-Trichlorotrifluoroethane	ug/kg	<2.0	<2.1		
1,1-Dichloroethane	ug/kg	<2.0	<2.1		
1,1-Dichloroethene	ug/kg	<2.0	<2.1		
1,2,4-Trichlorobenzene	ug/kg	3.7	4.4	17	
1,2-Dibromo-3-chloropropane	ug/kg	<2.0	<2.1		
1,2-Dibromoethane (EDB)	ug/kg	<2.0	<2.1		
1,2-Dichlorobenzene	ug/kg	<2.0	<2.1		
1,2-Dichloroethane	ug/kg	<2.0	<2.1		
1,2-Dichloropropane	ug/kg	<2.0	<2.1		
1,3-Dichlorobenzene	ug/kg	<2.0	<2.1		
1,4-Dichlorobenzene	ug/kg	<2.0	<2.1		
2-Butanone (MEK)	ug/kg	<2.0	<2.1		
2-Hexanone	ug/kg	<2.0	<2.1		
4-Methyl-2-pentanone (MIBK)	ug/kg	<2.0	<2.1		
Acetone	ug/kg	29.2	7.6	117	D6,IH
Benzene	ug/kg	<2.0	<2.1		
Bromodichloromethane	ug/kg	<2.0	<2.1		

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QUALITY CONTROL DATA

Project: COYNE TEXTILE SERVICES-4/9

Pace Project No.: 7047847

SAMPLE DUPLICATE: 291952

Parameter	Units	7047771003 Result	Dup Result	RPD	Qualifiers
Bromoform	ug/kg	<2.0	<2.1		
Bromomethane	ug/kg	<2.0	<2.1		
Carbon disulfide	ug/kg	<2.0	<2.1		
Carbon tetrachloride	ug/kg	<2.0	<2.1		
Chlorobenzene	ug/kg	<2.0	<2.1		
Chloroethane	ug/kg	<2.0	<2.1		
Chloroform	ug/kg	<2.0	<2.1		
Chloromethane	ug/kg	<2.0	<2.1		
cis-1,2-Dichloroethene	ug/kg	<2.0	<2.1		
cis-1,3-Dichloropropene	ug/kg	<2.0	<2.1		
Cyclohexane	ug/kg	<2.0	<2.1		
Dibromochloromethane	ug/kg	<2.0	<2.1		
Dichlorodifluoromethane	ug/kg	<2.0	<2.1		CL
Ethylbenzene	ug/kg	<2.0	<2.1		
Isopropylbenzene (Cumene)	ug/kg	<2.0	<2.1		
Methyl acetate	ug/kg	<2.0	<2.1		
Methyl-tert-butyl ether	ug/kg	<2.0	<2.1		
Methylcyclohexane	ug/kg	<2.0	<2.1		
Methylene Chloride	ug/kg	<2.0	<2.1		
Styrene	ug/kg	<2.0	<2.1		
Tetrachloroethene	ug/kg	<2.0	<2.1		
Toluene	ug/kg	<2.0	<2.1		
trans-1,2-Dichloroethene	ug/kg	<2.0	<2.1		CL
trans-1,3-Dichloropropene	ug/kg	<2.0	<2.1		
Trichloroethene	ug/kg	<2.0	<2.1		
Trichlorofluoromethane	ug/kg	<2.0	<2.1		
Vinyl chloride	ug/kg	<2.0	<2.1		
Xylene (Total)	ug/kg	<4.0	<4.2		
1,2-Dichloroethane-d4 (S)	%	104	106	5	
4-Bromofluorobenzene (S)	%	58	60	6	
Toluene-d8 (S)	%	126	115	6	

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QUALITY CONTROL DATA

Project: COYNE TEXTILE SERVICES-4/9

Pace Project No.: 7047847

QC Batch: 63240 Analysis Method: EPA 8082A
 QC Batch Method: EPA 3546 Analysis Description: 8082 GCS PCB
 Associated Lab Samples: 7047847001, 7047847002

METHOD BLANK: 290343 Matrix: Solid

Associated Lab Samples: 7047847001, 7047847002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
PCB-1016 (Aroclor 1016)	ug/kg	<33.0	33.0	04/14/18 16:17	
PCB-1221 (Aroclor 1221)	ug/kg	<67.0	67.0	04/14/18 16:17	
PCB-1232 (Aroclor 1232)	ug/kg	<33.0	33.0	04/14/18 16:17	
PCB-1242 (Aroclor 1242)	ug/kg	<33.0	33.0	04/14/18 16:17	
PCB-1248 (Aroclor 1248)	ug/kg	<33.0	33.0	04/14/18 16:17	
PCB-1254 (Aroclor 1254)	ug/kg	<33.0	33.0	04/14/18 16:17	
PCB-1260 (Aroclor 1260)	ug/kg	<33.0	33.0	04/14/18 16:17	
Decachlorobiphenyl (S)	%	81	30-150	04/14/18 16:17	
Tetrachloro-m-xylene (S)	%	69	30-150	04/14/18 16:17	

LABORATORY CONTROL SAMPLE: 290344

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
PCB-1016 (Aroclor 1016)	ug/kg	167	166	100	50-136	
PCB-1260 (Aroclor 1260)	ug/kg	167	202	121	45-154	
Decachlorobiphenyl (S)	%			95	30-150	
Tetrachloro-m-xylene (S)	%			72	30-150	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 290541 290542

Parameter	Units	7047606004		MS		MSD		MS		MSD		% Rec Limits	RPD	Qual
		Result	Conc.	Spike Conc.	Spike Conc.	Result	Result	% Rec	% Rec					
PCB-1016 (Aroclor 1016)	ug/kg	<39.4	199	199	163	128	82	64	28-173	24				
PCB-1221 (Aroclor 1221)	ug/kg	<80.0			<80.0	<80.0								
PCB-1232 (Aroclor 1232)	ug/kg	<39.4			<39.4	<39.4								
PCB-1242 (Aroclor 1242)	ug/kg	<39.4			<39.4	<39.4								
PCB-1248 (Aroclor 1248)	ug/kg	<39.4			<39.4	<39.4								
PCB-1254 (Aroclor 1254)	ug/kg	<39.4			<39.4	<39.4								
PCB-1260 (Aroclor 1260)	ug/kg	<39.4	199	199	175	181	88	91	43-138	4				
Decachlorobiphenyl (S)	%						48	61	30-150					
Tetrachloro-m-xylene (S)	%						59	34	30-150					

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QUALITY CONTROL DATA

Project: COYNE TEXTILE SERVICES-4/9
Pace Project No.: 7047847

QC Batch: 63265 Analysis Method: EPA 8270D
QC Batch Method: EPA 3545A Analysis Description: 8270 Solid MSSV
Associated Lab Samples: 7047847001, 7047847002

METHOD BLANK: 290538 Matrix: Solid
Associated Lab Samples: 7047847001, 7047847002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,2,4-Trichlorobenzene	ug/kg	<67.0	67.0	04/16/18 13:48	
2,2'-Oxybis(1-chloropropane)	ug/kg	<67.0	67.0	04/16/18 13:48	
2,4,5-Trichlorophenol	ug/kg	<67.0	67.0	04/16/18 13:48	
2,4,6-Trichlorophenol	ug/kg	<67.0	67.0	04/16/18 13:48	
2,4-Dichlorophenol	ug/kg	<67.0	67.0	04/16/18 13:48	
2,4-Dimethylphenol	ug/kg	<67.0	67.0	04/16/18 13:48	
2,4-Dinitrophenol	ug/kg	<67.0	67.0	04/16/18 13:48	
2,4-Dinitrotoluene	ug/kg	<330	330	04/16/18 13:48	
2,6-Dinitrotoluene	ug/kg	<330	330	04/16/18 13:48	
2-Chloronaphthalene	ug/kg	<67.0	67.0	04/16/18 13:48	
2-Chlorophenol	ug/kg	<67.0	67.0	04/16/18 13:48	
2-Methylnaphthalene	ug/kg	<67.0	67.0	04/16/18 13:48	
2-Methylphenol(o-Cresol)	ug/kg	<67.0	67.0	04/16/18 13:48	
2-Nitroaniline	ug/kg	<330	330	04/16/18 13:48	
2-Nitrophenol	ug/kg	<330	330	04/16/18 13:48	
3&4-Methylphenol(m&p Cresol)	ug/kg	<67.0	67.0	04/16/18 13:48	
3,3'-Dichlorobenzidine	ug/kg	<330	330	04/16/18 13:48	
3-Nitroaniline	ug/kg	<330	330	04/16/18 13:48	
4,6-Dinitro-2-methylphenol	ug/kg	<67.0	67.0	04/16/18 13:48	
4-Bromophenylphenyl ether	ug/kg	<67.0	67.0	04/16/18 13:48	
4-Chloro-3-methylphenol	ug/kg	<67.0	67.0	04/16/18 13:48	
4-Chloroaniline	ug/kg	<330	330	04/16/18 13:48	
4-Chlorophenylphenyl ether	ug/kg	<67.0	67.0	04/16/18 13:48	
4-Nitroaniline	ug/kg	<330	330	04/16/18 13:48	
4-Nitrophenol	ug/kg	<67.0	67.0	04/16/18 13:48	
Acenaphthene	ug/kg	<67.0	67.0	04/16/18 13:48	
Acenaphthylene	ug/kg	<67.0	67.0	04/16/18 13:48	
Acetophenone	ug/kg	<67.0	67.0	04/16/18 13:48	
Anthracene	ug/kg	<67.0	67.0	04/16/18 13:48	
Atrazine	ug/kg	<67.0	67.0	04/16/18 13:48	
Benzaldehyde	ug/kg	<67.0	67.0	04/16/18 13:48	CL,IC,IL
Benzo(a)anthracene	ug/kg	<67.0	67.0	04/16/18 13:48	
Benzo(a)pyrene	ug/kg	<67.0	67.0	04/16/18 13:48	
Benzo(b)fluoranthene	ug/kg	<67.0	67.0	04/16/18 13:48	
Benzo(g,h,i)perylene	ug/kg	<67.0	67.0	04/16/18 13:48	
Benzo(k)fluoranthene	ug/kg	<67.0	67.0	04/16/18 13:48	
Biphenyl (Diphenyl)	ug/kg	<67.0	67.0	04/16/18 13:48	
bis(2-Chloroethoxy)methane	ug/kg	<67.0	67.0	04/16/18 13:48	
bis(2-Chloroethyl) ether	ug/kg	<67.0	67.0	04/16/18 13:48	
bis(2-Ethylhexyl)phthalate	ug/kg	<67.0	67.0	04/16/18 13:48	
Butylbenzylphthalate	ug/kg	<67.0	67.0	04/16/18 13:48	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: COYNE TEXTILE SERVICES-4/9
Pace Project No.: 7047847

METHOD BLANK: 290538 Matrix: Solid

Associated Lab Samples: 7047847001, 7047847002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Caprolactam	ug/kg	<67.0	67.0	04/16/18 13:48	
Carbazole	ug/kg	<67.0	67.0	04/16/18 13:48	
Chrysene	ug/kg	<67.0	67.0	04/16/18 13:48	
Di-n-butylphthalate	ug/kg	<67.0	67.0	04/16/18 13:48	
Di-n-octylphthalate	ug/kg	<67.0	67.0	04/16/18 13:48	
Dibenz(a,h)anthracene	ug/kg	<67.0	67.0	04/16/18 13:48	
Dibenzofuran	ug/kg	<67.0	67.0	04/16/18 13:48	
Diethylphthalate	ug/kg	<67.0	67.0	04/16/18 13:48	
Dimethylphthalate	ug/kg	<67.0	67.0	04/16/18 13:48	
Fluoranthene	ug/kg	<67.0	67.0	04/16/18 13:48	
Fluorene	ug/kg	<67.0	67.0	04/16/18 13:48	
Hexachloro-1,3-butadiene	ug/kg	<67.0	67.0	04/16/18 13:48	
Hexachlorobenzene	ug/kg	<67.0	67.0	04/16/18 13:48	
Hexachlorocyclopentadiene	ug/kg	<330	330	04/16/18 13:48	CL
Hexachloroethane	ug/kg	<67.0	67.0	04/16/18 13:48	
Indeno(1,2,3-cd)pyrene	ug/kg	<67.0	67.0	04/16/18 13:48	
Isophorone	ug/kg	<67.0	67.0	04/16/18 13:48	
N-Nitroso-di-n-propylamine	ug/kg	<67.0	67.0	04/16/18 13:48	
N-Nitrosodiphenylamine	ug/kg	<67.0	67.0	04/16/18 13:48	
Naphthalene	ug/kg	<67.0	67.0	04/16/18 13:48	
Nitrobenzene	ug/kg	<67.0	67.0	04/16/18 13:48	
Pentachlorophenol	ug/kg	<670	670	04/16/18 13:48	
Phenanthrene	ug/kg	<67.0	67.0	04/16/18 13:48	
Phenol	ug/kg	<67.0	67.0	04/16/18 13:48	
Pyrene	ug/kg	<67.0	67.0	04/16/18 13:48	
1,2-Dichlorobenzene-d4 (S)	%	69	20-130	04/16/18 13:48	
2,4,6-Tribromophenol (S)	%	78	19-122	04/16/18 13:48	
2-Chlorophenol-d4 (S)	%	70	20-130	04/16/18 13:48	
2-Fluorobiphenyl (S)	%	77	30-115	04/16/18 13:48	
2-Fluorophenol (S)	%	63	25-121	04/16/18 13:48	
Nitrobenzene-d5 (S)	%	71	23-120	04/16/18 13:48	
p-Terphenyl-d14 (S)	%	91	18-137	04/16/18 13:48	
Phenol-d5 (S)	%	70	24-113	04/16/18 13:48	

LABORATORY CONTROL SAMPLE: 290539

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2,4-Trichlorobenzene	ug/kg	1670	1100	66	35-110	
2,2'-Oxybis(1-chloropropane)	ug/kg	1670	879	53	33-116	
2,4,5-Trichlorophenol	ug/kg	1670	1240	74	45-111	
2,4,6-Trichlorophenol	ug/kg	1670	1130	68	45-110	
2,4-Dichlorophenol	ug/kg	1670	1180	71	41-117	
2,4-Dimethylphenol	ug/kg	1670	966	58	24-96	
2,4-Dinitrophenol	ug/kg	1670	<670	29	10-80	

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QUALITY CONTROL DATA

Project: COYNE TEXTILE SERVICES-4/9

Pace Project No.: 7047847

LABORATORY CONTROL SAMPLE: 290539

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
2,4-Dinitrotoluene	ug/kg	1670	1140	69	49-112	
2,6-Dinitrotoluene	ug/kg	1670	1140	68	50-109	
2-Chloronaphthalene	ug/kg	1670	1050	63	35-107	
2-Chlorophenol	ug/kg	1670	995	60	36-109	
2-Methylnaphthalene	ug/kg	1670	1070	64	31-135	
2-Methylphenol(o-Cresol)	ug/kg	1670	1010	60	36-104	
2-Nitroaniline	ug/kg	1670	1030	62	42-118	
2-Nitrophenol	ug/kg	1670	1080	65	36-117	
3&4-Methylphenol(m&p Cresol)	ug/kg	1670	1010	61	37-137	
3,3'-Dichlorobenzidine	ug/kg	1670	999	60	41-116	
3-Nitroaniline	ug/kg	1670	866	52	40-95	
4,6-Dinitro-2-methylphenol	ug/kg	1670	726	44	16-104	
4-Bromophenylphenyl ether	ug/kg	1670	1110	67	50-116	
4-Chloro-3-methylphenol	ug/kg	1670	1150	69	45-118	
4-Chloroaniline	ug/kg	1670	712	43	29-88	
4-Chlorophenylphenyl ether	ug/kg	1670	1130	68	48-111	
4-Nitroaniline	ug/kg	1670	886	53	46-110	
4-Nitrophenol	ug/kg	1670	1130	68	26-118	
Acenaphthene	ug/kg	1670	1080	65	45-109	
Acenaphthylene	ug/kg	1670	1110	67	43-107	
Acetophenone	ug/kg	1670	1070	64	10-132	
Anthracene	ug/kg	1670	1130	68	50-117	
Atrazine	ug/kg	1670	1450	87	40-120	
Benzaldehyde	ug/kg	1670	344	21	40-140	CL,IC,IL,L2
Benzo(a)anthracene	ug/kg	1670	1170	70	52-116	
Benzo(a)pyrene	ug/kg	1670	1160	70	56-119	
Benzo(b)fluoranthene	ug/kg	1670	1170	70	45-122	
Benzo(g,h,i)perylene	ug/kg	1670	1220	73	30-107	
Benzo(k)fluoranthene	ug/kg	1670	1110	67	54-124	
Biphenyl (Diphenyl)	ug/kg	1670	1080	65	40-120	
bis(2-Chloroethoxy)methane	ug/kg	1670	969	58	29-112	
bis(2-Chloroethyl) ether	ug/kg	1670	824	49	32-116	
bis(2-Ethylhexyl)phthalate	ug/kg	1670	1040	62	60-127	
Butylbenzylphthalate	ug/kg	1670	1030	62	54-130	
Caprolactam	ug/kg	1670	1120	67	40-120	
Carbazole	ug/kg	1670	1140	68	40-120	
Chrysene	ug/kg	1670	1140	69	48-121	
Di-n-butylphthalate	ug/kg	1670	1180	71	53-124	
Di-n-octylphthalate	ug/kg	1670	1060	63	46-141	
Dibenz(a,h)anthracene	ug/kg	1670	1110	67	52-109	
Dibenzofuran	ug/kg	1670	1090	65	48-112	
Diethylphthalate	ug/kg	1670	1150	69	51-114	
Dimethylphthalate	ug/kg	1670	1150	69	49-112	
Fluoranthene	ug/kg	1670	1220	73	45-126	
Fluorene	ug/kg	1670	1090	65	47-108	
Hexachloro-1,3-butadiene	ug/kg	1670	1130	68	36-118	
Hexachlorobenzene	ug/kg	1670	1210	72	51-110	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: COYNE TEXTILE SERVICES-4/9

Pace Project No.: 7047847

LABORATORY CONTROL SAMPLE: 290539

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Hexachlorocyclopentadiene	ug/kg	1670	787	47	10-97	CL
Hexachloroethane	ug/kg	1670	1020	61	34-105	
Indeno(1,2,3-cd)pyrene	ug/kg	1670	1120	67	50-108	
Isophorone	ug/kg	1670	1080	65	14-129	
N-Nitroso-di-n-propylamine	ug/kg	1670	994	60	33-109	
N-Nitrosodiphenylamine	ug/kg	1670	1120	67	39-90	
Naphthalene	ug/kg	1670	1090	65	18-142	
Nitrobenzene	ug/kg	1670	1070	64	36-119	
Pentachlorophenol	ug/kg	1670	1030	62	22-115	
Phenanthrene	ug/kg	1670	1160	69	47-124	
Phenol	ug/kg	1670	1100	66	38-104	
Pyrene	ug/kg	1670	1300	78	49-132	
1,2-Dichlorobenzene-d4 (S)	%			56	20-130	
2,4,6-Tribromophenol (S)	%			77	19-122	
2-Chlorophenol-d4 (S)	%			61	20-130	
2-Fluorobiphenyl (S)	%			64	30-115	
2-Fluorophenol (S)	%			56	25-121	
Nitrobenzene-d5 (S)	%			62	23-120	
p-Terphenyl-d14 (S)	%			76	18-137	
Phenol-d5 (S)	%			60	24-113	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 290591 290592

Parameter	Units	7047466001		MS	MSD	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Qual
		Result	Conc.	Spike Conc.	Spike Conc.							
1,2,4-Trichlorobenzene	ug/kg	<77.7	1940	1940	1940	1130	1120	59	58	35-110	1	
2,2'-Oxybis(1-chloropropane)	ug/kg	<77.7	1940	1940	1940	908	917	47	47	33-116	1	
2,4,5-Trichlorophenol	ug/kg	<77.7	1940	1940	1940	1250	1250	65	65	45-111	0	
2,4,6-Trichlorophenol	ug/kg	<77.7	1940	1940	1940	1030	995	53	51	45-110	3	
2,4-Dichlorophenol	ug/kg	<77.7	1940	1940	1940	1080	1090	56	56	41-117	0	
2,4-Dimethylphenol	ug/kg	<77.7	1940	1940	1940	197	231	10	12	24-96	16	M1
2,4-Dinitrophenol	ug/kg	<777	1940	1940	1940	1150	1090	60	56	10-80	6	
2,4-Dinitrotoluene	ug/kg	<383	1940	1940	1940	1540	1540	80	80	49-112	0	
2,6-Dinitrotoluene	ug/kg	<383	1940	1940	1940	1410	1450	73	75	50-109	3	
2-Chloronaphthalene	ug/kg	<77.7	1940	1940	1940	1280	1320	66	69	35-107	4	
2-Chlorophenol	ug/kg	<77.7	1940	1940	1940	944	936	49	48	36-109	1	
2-Methylnaphthalene	ug/kg	<77.7	1940	1940	1940	1330	1350	69	70	31-135	1	
2-Methylphenol(o-Cresol)	ug/kg	<77.7	1940	1940	1940	704	669	36	35	36-104	5	M1
2-Nitroaniline	ug/kg	<383	1940	1940	1940	1240	1350	64	70	42-118	8	
2-Nitrophenol	ug/kg	<383	1940	1940	1940	1160	1160	60	60	36-117	1	
3&4-Methylphenol(m&p Cresol)	ug/kg	<77.7	1940	1940	1940	702	769	36	40	37-137	9	M1
3,3'-Dichlorobenzidine	ug/kg	<383	1940	1940	1940	668	557	35	29	41-116	18	M1
3-Nitroaniline	ug/kg	<383	1940	1940	1940	1220	1280	63	66	40-95	5	
4,6-Dinitro-2-methylphenol	ug/kg	<777	1940	1940	1940	1290	1230	67	64	16-104	4	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: COYNE TEXTILE SERVICES-4/9

Pace Project No.: 7047847

Parameter	7047466001		MS	MSD	290591		290592		% Rec	Limits	RPD	Qual
	Units	Result	Spike Conc.	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec				
4-Bromophenylphenyl ether	ug/kg	<77.7	1940	1940	1450	1530	75	79	50-116	5		
4-Chloro-3-methylphenol	ug/kg	<77.7	1940	1940	1200	1110	62	57	45-118	8		
4-Chloroaniline	ug/kg	<383	1940	1940	680	730	35	38	29-88	7		
4-Chlorophenylphenyl ether	ug/kg	<77.7	1940	1940	1360	1400	70	73	48-111	3		
4-Nitroaniline	ug/kg	<383	1940	1940	1410	1440	73	74	46-110	2		
4-Nitrophenol	ug/kg	<777	1940	1940	816	1240	42	64	26-118	42	R1	
Acenaphthene	ug/kg	<77.7	1940	1940	1480	1510	76	78	45-109	2		
Acenaphthylene	ug/kg	<77.7	1940	1940	1400	1450	73	75	43-107	3		
Acetophenone	ug/kg	<77.7	1940	1940	1120	1130	58	58	10-132	1		
Anthracene	ug/kg	<77.7	1940	1940	1620	1640	84	85	50-117	1		
Atrazine	ug/kg	<77.7	1940	1940	1730	1790	89	92	40-120	3		
Benzaldehyde	ug/kg	<77.7	1940	1940	1010	1150	52	60	40-140	13	CL,IC,IL	
Benzo(a)anthracene	ug/kg	<77.7	1940	1940	1720	1730	89	90	52-116	1		
Benzo(a)pyrene	ug/kg	<77.7	1940	1940	1760	1790	91	93	56-119	2		
Benzo(b)fluoranthene	ug/kg	<77.7	1940	1940	1670	1670	86	87	45-122	0		
Benzo(g,h,i)perylene	ug/kg	<77.7	1940	1940	2120	2160	110	112	30-107	2	M1	
Benzo(k)fluoranthene	ug/kg	<77.7	1940	1940	1780	1770	92	92	54-124	0		
Biphenyl (Diphenyl)	ug/kg	<77.7	1940	1940	1420	1470	74	76	40-120	3		
bis(2-Chloroethoxy)methane	ug/kg	<77.7	1940	1940	1160	1160	60	60	29-112	0		
bis(2-Chloroethyl) ether	ug/kg	<77.7	1940	1940	924	909	48	47	32-116	2		
bis(2-Ethylhexyl)phthalate	ug/kg	<77.7	1940	1940	1870	1920	97	100	60-127	3		
Butylbenzylphthalate	ug/kg	<77.7	1940	1940	1790	1860	93	96	54-130	4		
Caprolactam	ug/kg	<77.7	1940	1940	1570	1610	81	83	40-120	3		
Carbazole	ug/kg	<77.7	1940	1940	1710	1670	88	86	40-120	2		
Chrysene	ug/kg	<77.7	1940	1940	1780	1790	92	93	48-121	1		
Di-n-butylphthalate	ug/kg	<77.7	1940	1940	1700	1770	88	92	53-124	4		
Di-n-octylphthalate	ug/kg	<77.7	1940	1940	1850	1910	96	99	46-141	3		
Dibenz(a,h)anthracene	ug/kg	<77.7	1940	1940	2050	2040	106	105	52-109	0		
Dibenzofuran	ug/kg	<77.7	1940	1940	1480	1500	76	78	48-112	2		
Diethylphthalate	ug/kg	<77.7	1940	1940	1410	1450	73	75	51-114	3		
Dimethylphthalate	ug/kg	<77.7	1940	1940	1340	1360	69	70	49-112	2		
Fluoranthene	ug/kg	<77.7	1940	1940	1690	1720	88	89	45-126	2		
Fluorene	ug/kg	<77.7	1940	1940	1560	1590	81	83	47-108	2		
Hexachloro-1,3-butadiene	ug/kg	<77.7	1940	1940	1020	969	53	50	36-118	5		
Hexachlorobenzene	ug/kg	<77.7	1940	1940	1530	1600	79	83	51-110	4		
Hexachlorocyclopentadiene	ug/kg	<383	1940	1940	728	615	38	32	10-97	17	CL	
Hexachloroethane	ug/kg	<77.7	1940	1940	912	889	47	46	34-105	3		
Indeno(1,2,3-cd)pyrene	ug/kg	<77.7	1940	1940	2070	2220	107	115	50-108	7	M1	
Isophorone	ug/kg	<77.7	1940	1940	1150	1180	60	61	14-129	2		
N-Nitroso-di-n-propylamine	ug/kg	<77.7	1940	1940	1050	1090	54	56	33-109	3		
N-Nitrosodiphenylamine	ug/kg	<77.7	1940	1940	1270	1280	66	66	39-90	0		
Naphthalene	ug/kg	<77.7	1940	1940	1240	1260	64	65	18-142	2		
Nitrobenzene	ug/kg	<77.7	1940	1940	1120	1120	58	58	36-119	1		
Pentachlorophenol	ug/kg	<777	1940	1940	<777	<777	24	22	22-115			
Phenanthrene	ug/kg	<77.7	1940	1940	1660	1670	86	86	47-124	1		
Phenol	ug/kg	<77.7	1940	1940	1010	1010	52	52	38-104	0		

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: COYNE TEXTILE SERVICES-4/9

Pace Project No.: 7047847

Parameter	Units	7047466001		290591		290592		% Rec	% Rec	% Rec	Limits	RPD	Qual
		Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec						
Pyrene	ug/kg	<77.7	1940	1940	1770	1780	92	92	49-132	1			
1,2-Dichlorobenzene-d4 (S)	%						45	44	20-130				
2,4,6-Tribromophenol (S)	%						50	46	19-122				
2-Chlorophenol-d4 (S)	%						43	43	20-130				
2-Fluorobiphenyl (S)	%						62	65	30-115				
2-Fluorophenol (S)	%						41	41	25-121				
Nitrobenzene-d5 (S)	%						51	55	23-120				
p-Terphenyl-d14 (S)	%						84	85	18-137				
Phenol-d5 (S)	%						51	52	24-113				

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QUALITY CONTROL DATA

Project: COYNE TEXTILE SERVICES-4/9

Pace Project No.: 7047847

QC Batch: 63070	Analysis Method: ASTM D2216-92M
QC Batch Method: ASTM D2216-92M	Analysis Description: Dry Weight/Percent Moisture
Associated Lab Samples: 7047847001, 7047847002	

SAMPLE DUPLICATE: 289600

Parameter	Units	7047849001 Result	Dup Result	RPD	Qualifiers
Percent Moisture	%	14.0	14.7	5	

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QUALIFIERS

Project: COYNE TEXTILE SERVICES-4/9

Pace Project No.: 7047847

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

SAMPLE QUALIFIERS

Sample: 7047847002

[1] Method (8082A): Surrogate recovery below acceptance limits. Confirmed by re-extract.

[2] Method (8081B): Surrogate recovery below acceptance limits. Confirmed by re-extract.

ANALYTE QUALIFIERS

1j Re-extract/re-analysis confirms low surrogate recovery.

A+ The reaction of the soil preservative, sodium bisulfate, is known to react with humic acid in soils to produce ketones.

CH The continuing calibration for this compound is outside of Pace Analytical acceptance limits. The results may be biased high.

CL The continuing calibration for this compound is outside of Pace Analytical acceptance limits. The results may be biased low.

D6 The precision between the sample and sample duplicate exceeded laboratory control limits.

E Analyte concentration exceeded the calibration range. The reported result is estimated.

IC The initial calibration for this compound was outside of method control limits. The result is estimated.

IH This analyte exceeded secondary source verification criteria high for the initial calibration. The reported results should be considered an estimated value.

IL This analyte exceeded secondary source verification criteria low for the initial calibration. The reported results should be considered an estimated value.

L1 Analyte recovery in the laboratory control sample (LCS) was above QC limits. Results for this analyte in associated samples may be biased high.

L2 Analyte recovery in the laboratory control sample (LCS) was below QC limits. Results for this analyte in associated samples may be biased low.

M1 Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

REPORT OF LABORATORY ANALYSIS

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QUALIFIERS

Project: COYNE TEXTILE SERVICES-4/9

Pace Project No.: 7047847

ANALYTE QUALIFIERS

- R1 RPD value was outside control limits.
- S0 Surrogate recovery outside laboratory control limits.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: COYNE TEXTILE SERVICES-4/9

Pace Project No.: 7047847

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
7047847002	SS-100	EPA 3546	63238	EPA 8081B	63823
7047847001	SOIL-101	EPA 3546	63240	EPA 8082A	63465
7047847002	SS-100	EPA 3546	63240	EPA 8082A	63465
7047847001	SOIL-101	EPA 3050B	62958	EPA 6010C	62998
7047847002	SS-100	EPA 3050B	62958	EPA 6010C	62998
7047847001	SOIL-101	EPA 7471B	62959	EPA 7471B	63005
7047847002	SS-100	EPA 7471B	62959	EPA 7471B	63005
7047847001	SOIL-101	EPA 3545A	63265	EPA 8270D	63468
7047847002	SS-100	EPA 3545A	63265	EPA 8270D	63468
7047847001	SOIL-101	EPA 5035A-L	63550	EPA 8260C	63604
7047847002	SS-100	EPA 5035A-L	63550	EPA 8260C	63604
7047847001	SOIL-101	ASTM D2216-92M	63070		
7047847002	SS-100	ASTM D2216-92M	63070		

REPORT OF LABORATORY ANALYSIS

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CHAIN-OF-CUSTODY / Analytical Request Form
The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed.

WO#: 7047847

Section A
Required Client Information:
Company: CHA
Address: 300 S. State Street Suite 100
Syracuse NY 13202
Email To: kehman@chal.com
Phone: (315) 257-7250 Fax:
Requested Due Date/TAT: 5 day

Section B
Required Project Information:
Report To: Karyn Eberman
Copy To: Sam Miller
Purchase Order No.:
Project Name: Cayne Textile Services
Project Number: 33525.1002.3000 KE

Section C
Invoice Information:
Attention:
Company Name:
Address:
Pace Quote Reference:
Pace Project Manager:
Pace Profile #:

REGULATORY AGENCY
NPDES GROUND WATER DRINKING WATER
UST RCRA OTHER

Site Location STATE:

ITEM #	Section D Required Client Information	Matrix Codes MATRIX / CODE	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED		SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives	Requested Analysis Filtered (Y/N)	Pace Project No./ Lab I.D.
				COMPOSITE START	COMPOSITE END/GRAB					
1	SAMPLE ID (A-Z, 0-9 / -) Sample IDs MUST BE UNIQUE	Drinking Water Waste Water Product Soil/Solid Oil Wipe Air Tissue Other	SLG	DATE: 4/9/18 TIME: 1000	DATE: 4/9/18 TIME: 850		7	Unpreserved H ₂ SO ₄ HNO ₃ HCl NaOH Na ₂ S ₂ O ₃ Methanol Other (Hexane)	Analysis Test ↑ TLC VOL 8360 TLC SVOL 8370 TLC METALS PCBs Pesticides	
2			SLC	DATE: 4/9/18 TIME: 1000	DATE: 4/9/18 TIME: 1000		8			
3										
4										
5										
6										
7										
8										
9										
10										
11										
12										

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
	<u>Karyn Eberman</u> CHA	4/9/18	1450	<u>Sam Miller</u>	4/15/18	1450	Received on Ice (Y/N) Custody (Y/N) Sealed Cooler (Y/N) Samples Intact (Y/N)
	<u>Sam Miller</u>	4/9/18	1700	<u>Sam Miller</u>	4/15/18	1450	

SAMPLER NAME AND SIGNATURE
PRINT Name of SAMPLER: Karyn Eberman
SIGNATURE of SAMPLER: [Signature]
DATE Signed (MM/DD/YYYY):

ORIGINAL

*Important Note: By signing this form you are accepting Pace's NET 30 day payment terms and agreeing to late charges of 1.5% per month for any invoices not paid within 30 days.



Sample Condition Upon R

WO#: 7047847

PM: JM2 Due Date: 04/17/18

CLIENT: CHA

Client Name:

CHA

Proc

Courier: Fed Ex UPS USPS Client Commercial Pace Other

Tracking #: 7719 3057 9580

Custody Seal on Cooler/Box Present: Yes No Seals intact: Yes No

Packing Material: Bubble Wrap Bubble Bags Ziploc None Other

Thermometer Used: TH091

Correction Factor: 0.0

Samples on ice, cooling process has begun

Cooler Temperature (°C): 2.1

Cooler Temperature Corrected (°C): 2.1

Date/Time 5035A kits placed in freezer

Temp should be above freezing to 6.0°C

USDA Regulated Soil (N/A, water sample)

Date and Initials of person examining contents: JK 4/10/18

Did samples originate in a quarantine zone within the United States: AL, AR, CA, FL, GA, ID, LA, MS, NC, NM, NY, OK, OR, SC, TN, TX, or VA (check map)? YES NO

Did samples originate from a foreign source (internationally, including Hawaii and Puerto Rico)? Yes No

If Yes to either question, fill out a Regulated Soil Checklist (F-LI-C-010) and include with SCUR/COC paperwork.

			COMMENTS:
Chain of Custody Present:	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	1.
Chain of Custody Filled Out:	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	2.
Chain of Custody Relinquished:	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	3.
Sampler Name & Signature on COC:	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No <input type="checkbox"/> N/A	4.
Samples Arrived within Hold Time:	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	5.
Short Hold Time Analysis (<72hr):	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	6.
Rush Turn Around Time Requested:	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	7.
Sufficient Volume: (Triple volume provided for MS/MSD)	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	8.
Correct Containers Used:	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	9.
-Pace Containers Used:	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	10.
Containers Intact:	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	10.
Filtered volume received for Dissolved tests	<input type="checkbox"/> Yes	<input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	11. Note if sediment is visible in the dissolved container.
Sample Labels match COC:	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	12.
-Includes date/time/ID/Analysis Matrix SL WT OIL			
All containers needing preservation have been checked	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	13. <input type="checkbox"/> HNO ₃ <input type="checkbox"/> H ₂ SO ₄ <input type="checkbox"/> NaOH <input type="checkbox"/> HCl
pH paper Lot #			Sample #
All containers needing preservation are found to be in compliance with EPA recommendation? (HNO ₃ , H ₂ SO ₄ , HCl, NaOH>9 Sulfide, NAOH>12 Cyanide)	<input type="checkbox"/> Yes	<input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	Initial when completed: Lot # of added preservative: Date/Time preservative added
Exceptions: VOA, Coliform, TOC/DOC, Oil and Grease, DRO/8015 (water). Per Method, VOA pH is checked after analysis			
Samples checked for dechlorination:	<input type="checkbox"/> Yes	<input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	14. Positive for Res. Chlorine? Y N
KI starch test strips Lot #			
Residual chlorine strips Lot #			
Headspace in VOA Vials (>6mm):	<input type="checkbox"/> Yes	<input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	15.
Trip Blank Present:	<input type="checkbox"/> Yes	<input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	16.
Trip Blank Custody Seals Present	<input type="checkbox"/> Yes	<input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
Pace Trip Blank Lot # (if applicable):			

Client Notification/ Resolution:

Field Data Required? Y / N

Person Contacted:

Date/Time:

Comments/ Resolution:

April 30, 2018

Samantha Miller
CHA Companies
300 South Stae Street
Syracuse, NY 13202

RE: Project: FORMER COYNE TEXTILE FACILITY
Pace Project No.: 7049102

Dear Samantha Miller:

Enclosed are the analytical results for sample(s) received by the laboratory on April 20, 2018. The results relate only to the samples included in this report. Results reported herein conform to the most current, applicable TNI/NELAC standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,



James Murphy
james.murphy@pacelabs.com
(518)346-4592
Project Manager

Enclosures

cc: Karyn Ehmann, CHA Companies



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: FORMER COYNE TEXTILE FACILITY

Pace Project No.: 7049102

Long Island Certification IDs

575 Broad Hollow Rd, Melville, NY 11747

New York Certification #: 10478 Primary Accrediting Body

New Jersey Certification #: NY158

Pennsylvania Certification #: 68-00350

Connecticut Certification #: PH-0435

Maryland Certification #: 208

Rhode Island Certification #: LAO00340

Massachusetts Certification #: M-NY026

New Hampshire Certification #: 2987

REPORT OF LABORATORY ANALYSIS

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SAMPLE SUMMARY

Project: FORMER COYNE TEXTILE FACILITY

Pace Project No.: 7049102

Lab ID	Sample ID	Matrix	Date Collected	Date Received
7049102001	SOIL-WC100	Solid	04/19/18 13:20	04/20/18 10:30
7049102002	SOIL-WC101	Solid	04/19/18 13:25	04/20/18 10:30

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SAMPLE ANALYTE COUNT

Project: FORMER COYNE TEXTILE FACILITY

Pace Project No.: 7049102

Lab ID	Sample ID	Method	Analysts	Analytes Reported
7049102001	SOIL-WC100	EPA 8082A	JMD	9
		EPA 6010C	SK2	7
		EPA 7470A	AKS	1
		EPA 8260C	MJF	13
		ASTM D2216-92M	MEM1	1
		SW-846 7.3.4.2	JS3	1
		SW-846 7.3.3.2	JS3	1
7049102002	SOIL-WC101	EPA 8082A	JMD	9
		EPA 6010C	SK2	7
		EPA 7470A	AKS	1
		EPA 8260C	MJF	13
		ASTM D2216-92M	MEM1	1
		SW-846 7.3.4.2	JS3	1
		SW-846 7.3.3.2	JS3	1

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: FORMER COYNE TEXTILE FACILITY

Pace Project No.: 7049102

Sample: SOIL-WC100 **Lab ID: 7049102001** Collected: 04/19/18 13:20 Received: 04/20/18 10:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8082 GCS PCB								
Analytical Method: EPA 8082A Preparation Method: EPA 3546								
PCB-1016 (Aroclor 1016)	<40.5	ug/kg	40.5	1	04/24/18 18:30	04/26/18 12:43	12674-11-2	
PCB-1221 (Aroclor 1221)	<82.2	ug/kg	82.2	1	04/24/18 18:30	04/26/18 12:43	11104-28-2	
PCB-1232 (Aroclor 1232)	<40.5	ug/kg	40.5	1	04/24/18 18:30	04/26/18 12:43	11141-16-5	
PCB-1242 (Aroclor 1242)	<40.5	ug/kg	40.5	1	04/24/18 18:30	04/26/18 12:43	53469-21-9	
PCB-1248 (Aroclor 1248)	<40.5	ug/kg	40.5	1	04/24/18 18:30	04/26/18 12:43	12672-29-6	
PCB-1254 (Aroclor 1254)	<40.5	ug/kg	40.5	1	04/24/18 18:30	04/26/18 12:43	11097-69-1	
PCB-1260 (Aroclor 1260)	<40.5	ug/kg	40.5	1	04/24/18 18:30	04/26/18 12:43	11096-82-5	
Surrogates								
Tetrachloro-m-xylene (S)	59	%	30-150	1	04/24/18 18:30	04/26/18 12:43	877-09-8	
Decachlorobiphenyl (S)	61	%	30-150	1	04/24/18 18:30	04/26/18 12:43	2051-24-3	
6010 MET ICP, TCLP								
Analytical Method: EPA 6010C Preparation Method: EPA 3005A								
Leachate Method/Date: EPA 1311; 04/20/18 22:36								
Arsenic	<0.50	mg/L	0.50	1	04/24/18 07:40	04/25/18 00:57	7440-38-2	
Barium	<5.0	mg/L	5.0	1	04/24/18 07:40	04/25/18 00:57	7440-39-3	
Cadmium	<0.050	mg/L	0.050	1	04/24/18 07:40	04/25/18 00:57	7440-43-9	
Chromium	<0.50	mg/L	0.50	1	04/24/18 07:40	04/25/18 00:57	7440-47-3	
Lead	<0.50	mg/L	0.50	1	04/24/18 07:40	04/25/18 00:57	7439-92-1	
Selenium	<0.050	mg/L	0.050	1	04/24/18 07:40	04/25/18 00:57	7782-49-2	
Silver	<0.50	mg/L	0.50	1	04/24/18 07:40	04/25/18 00:57	7440-22-4	
7470 Mercury, TCLP								
Analytical Method: EPA 7470A Preparation Method: EPA 7470A								
Leachate Method/Date: EPA 1311; 04/20/18 22:36								
Mercury	<0.00020	mg/L	0.00020	1	04/24/18 08:35	04/27/18 12:49	7439-97-6	
8260C MSV TCLP								
Analytical Method: EPA 8260C Leachate Method/Date: EPA 1311; 04/23/18 20:50								
Benzene	0.010	mg/L	0.010	5		04/26/18 17:09	71-43-2	
2-Butanone (MEK)	<0.025	mg/L	0.025	5		04/26/18 17:09	78-93-3	
Carbon tetrachloride	<0.010	mg/L	0.010	5		04/26/18 17:09	56-23-5	
Chlorobenzene	<0.010	mg/L	0.010	5		04/26/18 17:09	108-90-7	
Chloroform	<0.010	mg/L	0.010	5		04/26/18 17:09	67-66-3	
1,2-Dichloroethane	<0.010	mg/L	0.010	5		04/26/18 17:09	107-06-2	
1,1-Dichloroethene	<0.010	mg/L	0.010	5		04/26/18 17:09	75-35-4	
Tetrachloroethene	<0.010	mg/L	0.010	5		04/26/18 17:09	127-18-4	CL
Trichloroethene	<0.010	mg/L	0.010	5		04/26/18 17:09	79-01-6	
Vinyl chloride	<0.010	mg/L	0.010	5		04/26/18 17:09	75-01-4	CL
Surrogates								
1,2-Dichloroethane-d4 (S)	97	%	53-183	5		04/26/18 17:09	17060-07-0	
Toluene-d8 (S)	95	%	60-135	5		04/26/18 17:09	2037-26-5	
4-Bromofluorobenzene (S)	104	%	63-140	5		04/26/18 17:09	460-00-4	
Percent Moisture								
Analytical Method: ASTM D2216-92M								
Percent Moisture	18.5	%	0.10	1		04/27/18 17:25		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: FORMER COYNE TEXTILE FACILITY

Pace Project No.: 7049102

Sample: SOIL-WC100 **Lab ID: 7049102001** Collected: 04/19/18 13:20 Received: 04/20/18 10:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
734S Reactive Sulfide								
Analytical Method: SW-846 7.3.4.2 Preparation Method: Reactivity Prep								
Sulfide, Reactive	<99.6	mg/kg	99.6	1	04/27/18 08:43	04/27/18 14:11		N3
733C S Reactive Cyanide								
Analytical Method: SW-846 7.3.3.2 Preparation Method: Reactivity Prep								
Cyanide, Reactive	<122	mg/kg	122	1	04/27/18 08:43	04/27/18 15:09		N3

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: FORMER COYNE TEXTILE FACILITY

Pace Project No.: 7049102

Sample: SOIL-WC101 **Lab ID: 7049102002** Collected: 04/19/18 13:25 Received: 04/20/18 10:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8082 GCS PCB								
Analytical Method: EPA 8082A Preparation Method: EPA 3546								
PCB-1016 (Aroclor 1016)	<49.3	ug/kg	49.3	1	04/26/18 18:10	04/28/18 11:51	12674-11-2	
PCB-1221 (Aroclor 1221)	<100	ug/kg	100	1	04/26/18 18:10	04/28/18 11:51	11104-28-2	
PCB-1232 (Aroclor 1232)	<49.3	ug/kg	49.3	1	04/26/18 18:10	04/28/18 11:51	11141-16-5	
PCB-1242 (Aroclor 1242)	<49.3	ug/kg	49.3	1	04/26/18 18:10	04/28/18 11:51	53469-21-9	
PCB-1248 (Aroclor 1248)	<49.3	ug/kg	49.3	1	04/26/18 18:10	04/28/18 11:51	12672-29-6	
PCB-1254 (Aroclor 1254)	<49.3	ug/kg	49.3	1	04/26/18 18:10	04/28/18 11:51	11097-69-1	
PCB-1260 (Aroclor 1260)	<49.3	ug/kg	49.3	1	04/26/18 18:10	04/28/18 11:51	11096-82-5	
Surrogates								
Tetrachloro-m-xylene (S)	77	%	30-150	1	04/26/18 18:10	04/28/18 11:51	877-09-8	
Decachlorobiphenyl (S)	25	%	30-150	1	04/26/18 18:10	04/28/18 11:51	2051-24-3	SO
6010 MET ICP, TCLP								
Analytical Method: EPA 6010C Preparation Method: EPA 3005A								
Leachate Method/Date: EPA 1311; 04/20/18 22:36								
Arsenic	<0.50	mg/L	0.50	1	04/24/18 07:40	04/25/18 01:25	7440-38-2	
Barium	<5.0	mg/L	5.0	1	04/24/18 07:40	04/25/18 01:25	7440-39-3	
Cadmium	<0.050	mg/L	0.050	1	04/24/18 07:40	04/25/18 01:25	7440-43-9	
Chromium	<0.50	mg/L	0.50	1	04/24/18 07:40	04/25/18 01:25	7440-47-3	
Lead	<0.50	mg/L	0.50	1	04/24/18 07:40	04/25/18 01:25	7439-92-1	
Selenium	<0.050	mg/L	0.050	1	04/24/18 07:40	04/25/18 01:25	7782-49-2	
Silver	<0.50	mg/L	0.50	1	04/24/18 07:40	04/25/18 01:25	7440-22-4	
7470 Mercury, TCLP								
Analytical Method: EPA 7470A Preparation Method: EPA 7470A								
Leachate Method/Date: EPA 1311; 04/20/18 22:36								
Mercury	<0.00020	mg/L	0.00020	1	04/24/18 08:35	04/27/18 12:51	7439-97-6	
8260C MSV TCLP								
Analytical Method: EPA 8260C Leachate Method/Date: EPA 1311; 04/23/18 20:50								
Benzene	<0.010	mg/L	0.010	5		04/26/18 17:40	71-43-2	
2-Butanone (MEK)	<0.025	mg/L	0.025	5		04/26/18 17:40	78-93-3	
Carbon tetrachloride	<0.010	mg/L	0.010	5		04/26/18 17:40	56-23-5	
Chlorobenzene	<0.010	mg/L	0.010	5		04/26/18 17:40	108-90-7	
Chloroform	<0.010	mg/L	0.010	5		04/26/18 17:40	67-66-3	
1,2-Dichloroethane	<0.010	mg/L	0.010	5		04/26/18 17:40	107-06-2	
1,1-Dichloroethene	<0.010	mg/L	0.010	5		04/26/18 17:40	75-35-4	
Tetrachloroethene	<0.010	mg/L	0.010	5		04/26/18 17:40	127-18-4	CL
Trichloroethene	<0.010	mg/L	0.010	5		04/26/18 17:40	79-01-6	
Vinyl chloride	<0.010	mg/L	0.010	5		04/26/18 17:40	75-01-4	CL
Surrogates								
1,2-Dichloroethane-d4 (S)	95	%	53-183	5		04/26/18 17:40	17060-07-0	
Toluene-d8 (S)	92	%	60-135	5		04/26/18 17:40	2037-26-5	
4-Bromofluorobenzene (S)	97	%	63-140	5		04/26/18 17:40	460-00-4	
Percent Moisture								
Analytical Method: ASTM D2216-92M								
Percent Moisture	33.0	%	0.10	1		04/27/18 17:25		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: FORMER COYNE TEXTILE FACILITY

Pace Project No.: 7049102

Sample: SOIL-WC101 **Lab ID: 7049102002** Collected: 04/19/18 13:25 Received: 04/20/18 10:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
734S Reactive Sulfide								
Analytical Method: SW-846 7.3.4.2 Preparation Method: Reactivity Prep								
Sulfide, Reactive	<99.7	mg/kg	99.7	1	04/27/18 08:43	04/27/18 14:18		N3
733C S Reactive Cyanide								
Analytical Method: SW-846 7.3.3.2 Preparation Method: Reactivity Prep								
Cyanide, Reactive	<149	mg/kg	149	1	04/27/18 08:43	04/27/18 15:09		N3

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: FORMER COYNE TEXTILE FACILITY

Pace Project No.: 7049102

QC Batch: 64729 Analysis Method: EPA 7470A
 QC Batch Method: EPA 7470A Analysis Description: 7470 Mercury TCLP
 Associated Lab Samples: 7049102001, 7049102002

METHOD BLANK: 296860 Matrix: Water

Associated Lab Samples: 7049102001, 7049102002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury	mg/L	<0.00020	0.00020	04/27/18 12:45	

LABORATORY CONTROL SAMPLE: 296861

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	mg/L	.001	0.0011	112	80-120	

MATRIX SPIKE SAMPLE: 296862

Parameter	Units	7049102002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Mercury	mg/L	<0.00020	.001	0.0012	104	75-125	

SAMPLE DUPLICATE: 296863

Parameter	Units	7049102002 Result	Dup Result	RPD	Max RPD	Qualifiers
Mercury	mg/L	<0.00020	<0.00020		20	

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QUALITY CONTROL DATA

Project: FORMER COYNE TEXTILE FACILITY

Pace Project No.: 7049102

QC Batch:	64725	Analysis Method:	EPA 6010C
QC Batch Method:	EPA 3005A	Analysis Description:	6010 MET TCLP
Associated Lab Samples:	7049102001, 7049102002		

METHOD BLANK: 296850 Matrix: Water
Associated Lab Samples: 7049102001, 7049102002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Arsenic	mg/L	<0.50	0.50	04/25/18 00:46	
Barium	mg/L	<5.0	5.0	04/25/18 00:46	
Cadmium	mg/L	<0.050	0.050	04/25/18 00:46	
Chromium	mg/L	<0.50	0.50	04/25/18 00:46	
Lead	mg/L	<0.50	0.50	04/25/18 00:46	
Selenium	mg/L	<0.050	0.050	04/25/18 00:46	
Silver	mg/L	<0.50	0.50	04/25/18 00:46	

LABORATORY CONTROL SAMPLE: 296851

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Arsenic	mg/L	.5	<0.50	99	80-120	
Barium	mg/L	.5	<5.0	99	80-120	
Cadmium	mg/L	.05	0.050	101	80-120	
Chromium	mg/L	.25	<0.50	104	80-120	
Lead	mg/L	.5	0.52	104	80-120	
Selenium	mg/L	.75	0.75	100	80-120	
Silver	mg/L	.25	<0.50	97	80-120	

MATRIX SPIKE SAMPLE: 296853

Parameter	Units	7049102001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Arsenic	mg/L	<0.50	.5	<0.50	99	75-125	
Barium	mg/L	<5.0	.5	<5.0	85	75-125	
Cadmium	mg/L	<0.050	.05	<0.050	92	75-125	
Chromium	mg/L	<0.50	.25	<0.50	94	75-125	
Lead	mg/L	<0.50	.5	<0.50	92	75-125	
Selenium	mg/L	<0.050	.75	0.79	105	75-125	
Silver	mg/L	<0.50	.25	<0.50	87	75-125	

SAMPLE DUPLICATE: 296852

Parameter	Units	7049102001 Result	Dup Result	RPD	Max RPD	Qualifiers
Arsenic	mg/L	<0.50	<0.50		20	
Barium	mg/L	<5.0	<5.0		20	
Cadmium	mg/L	<0.050	<0.050		20	
Chromium	mg/L	<0.50	<0.50		20	

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QUALITY CONTROL DATA

Project: FORMER COYNE TEXTILE FACILITY

Pace Project No.: 7049102

SAMPLE DUPLICATE: 296852

Parameter	Units	7049102001 Result	Dup Result	RPD	Max RPD	Qualifiers
Lead	mg/L	<0.50	<0.50		20	
Selenium	mg/L	<0.050	<0.050		20	
Silver	mg/L	<0.50	<0.50		20	

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QUALITY CONTROL DATA

Project: FORMER COYNE TEXTILE FACILITY

Pace Project No.: 7049102

QC Batch: 65191

Analysis Method: EPA 8260C

QC Batch Method: EPA 8260C

Analysis Description: 8260 MSV TCLP

Associated Lab Samples: 7049102001, 7049102002

METHOD BLANK: 298972

Matrix: Water

Associated Lab Samples: 7049102001, 7049102002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1-Dichloroethene	mg/L	<0.0020	0.0020	04/26/18 12:32	
1,2-Dichloroethane	mg/L	<0.0020	0.0020	04/26/18 12:32	
2-Butanone (MEK)	mg/L	<0.0050	0.0050	04/26/18 12:32	
Benzene	mg/L	<0.0020	0.0020	04/26/18 12:32	
Carbon tetrachloride	mg/L	<0.0020	0.0020	04/26/18 12:32	
Chlorobenzene	mg/L	<0.0020	0.0020	04/26/18 12:32	
Chloroform	mg/L	<0.0020	0.0020	04/26/18 12:32	
Tetrachloroethene	mg/L	<0.0020	0.0020	04/26/18 12:32	CL
Trichloroethene	mg/L	<0.0020	0.0020	04/26/18 12:32	
Vinyl chloride	mg/L	<0.0020	0.0020	04/26/18 12:32	CL
1,2-Dichloroethane-d4 (S)	%	98	53-183	04/26/18 12:32	
4-Bromofluorobenzene (S)	%	105	63-140	04/26/18 12:32	
Toluene-d8 (S)	%	97	60-135	04/26/18 12:32	

METHOD BLANK: 296705

Matrix: Solid

Associated Lab Samples: 7049102001, 7049102002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1-Dichloroethene	mg/L	<0.010	0.010	04/26/18 16:48	
1,2-Dichloroethane	mg/L	<0.010	0.010	04/26/18 16:48	
2-Butanone (MEK)	mg/L	<0.025	0.025	04/26/18 16:48	
Benzene	mg/L	<0.010	0.010	04/26/18 16:48	
Carbon tetrachloride	mg/L	<0.010	0.010	04/26/18 16:48	
Chlorobenzene	mg/L	<0.010	0.010	04/26/18 16:48	
Chloroform	mg/L	<0.010	0.010	04/26/18 16:48	
Tetrachloroethene	mg/L	<0.010	0.010	04/26/18 16:48	CL
Trichloroethene	mg/L	<0.010	0.010	04/26/18 16:48	
Vinyl chloride	mg/L	<0.010	0.010	04/26/18 16:48	CL
1,2-Dichloroethane-d4 (S)	%	101	53-183	04/26/18 16:48	
4-Bromofluorobenzene (S)	%	104	63-140	04/26/18 16:48	
Toluene-d8 (S)	%	95	60-135	04/26/18 16:48	

LABORATORY CONTROL SAMPLE: 298973

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1-Dichloroethene	mg/L	.05	0.045	90	58-112	
1,2-Dichloroethane	mg/L	.05	0.044	89	52-133	
2-Butanone (MEK)	mg/L	.05	0.045	90	14-166	

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QUALITY CONTROL DATA

Project: FORMER COYNE TEXTILE FACILITY

Pace Project No.: 7049102

LABORATORY CONTROL SAMPLE: 298973

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Benzene	mg/L	.05	0.046	92	50-127	
Carbon tetrachloride	mg/L	.05	0.048	96	64-126	
Chlorobenzene	mg/L	.05	0.046	91	72-124	
Chloroform	mg/L	.05	0.045	90	75-119	
Tetrachloroethene	mg/L	.05	0.041	82	59-133	CL
Trichloroethene	mg/L	.05	0.044	88	57-115	
Vinyl chloride	mg/L	.05	0.033	65	14-152	CL
1,2-Dichloroethane-d4 (S)	%			103	53-183	
4-Bromofluorobenzene (S)	%			105	63-140	
Toluene-d8 (S)	%			99	60-135	

MATRIX SPIKE SAMPLE: 299021

Parameter	Units	7049102001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,1-Dichloroethene	mg/L	<0.010	.25	0.26	103	58-169	
1,2-Dichloroethane	mg/L	<0.010	.25	0.26	105	38-169	
2-Butanone (MEK)	mg/L	<0.025	.25	0.25	100	10-229	
Benzene	mg/L	0.010	.25	0.25	97	58-152	
Carbon tetrachloride	mg/L	<0.010	.25	0.24	95	16-203	
Chlorobenzene	mg/L	<0.010	.25	0.24	96	29-167	
Chloroform	mg/L	<0.010	.25	0.26	103	37-170	
Tetrachloroethene	mg/L	<0.010	.25	0.16	63	27-172	CL
Trichloroethene	mg/L	<0.010	.25	0.23	92	16-237	
Vinyl chloride	mg/L	<0.010	.25	0.18	74	21-186	CL
1,2-Dichloroethane-d4 (S)	%				102	53-183	
4-Bromofluorobenzene (S)	%				105	63-140	
Toluene-d8 (S)	%				95	60-135	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: FORMER COYNE TEXTILE FACILITY

Pace Project No.: 7049102

QC Batch: 64818	Analysis Method: EPA 8082A
QC Batch Method: EPA 3546	Analysis Description: 8082 GCS PCB
Associated Lab Samples: 7049102001	

METHOD BLANK: 297394 Matrix: Solid

Associated Lab Samples: 7049102001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
PCB-1016 (Aroclor 1016)	ug/kg	<33.0	33.0	04/26/18 11:13	
PCB-1221 (Aroclor 1221)	ug/kg	<67.0	67.0	04/26/18 11:13	
PCB-1232 (Aroclor 1232)	ug/kg	<33.0	33.0	04/26/18 11:13	
PCB-1242 (Aroclor 1242)	ug/kg	<33.0	33.0	04/26/18 11:13	
PCB-1248 (Aroclor 1248)	ug/kg	<33.0	33.0	04/26/18 11:13	
PCB-1254 (Aroclor 1254)	ug/kg	<33.0	33.0	04/26/18 11:13	
PCB-1260 (Aroclor 1260)	ug/kg	<33.0	33.0	04/26/18 11:13	
Decachlorobiphenyl (S)	%	86	30-150	04/26/18 11:13	
Tetrachloro-m-xylene (S)	%	72	30-150	04/26/18 11:13	

LABORATORY CONTROL SAMPLE: 297395

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
PCB-1016 (Aroclor 1016)	ug/kg	167	124	74	50-136	
PCB-1260 (Aroclor 1260)	ug/kg	167	139	84	45-154	
Decachlorobiphenyl (S)	%			89	30-150	
Tetrachloro-m-xylene (S)	%			76	30-150	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: FORMER COYNE TEXTILE FACILITY
Pace Project No.: 7049102

QC Batch: 65143 Analysis Method: EPA 8082A
QC Batch Method: EPA 3546 Analysis Description: 8082 GCS PCB
Associated Lab Samples: 7049102002

METHOD BLANK: 298735 Matrix: Solid
Associated Lab Samples: 7049102002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
PCB-1016 (Aroclor 1016)	ug/kg	<33.0	33.0	04/28/18 10:47	
PCB-1221 (Aroclor 1221)	ug/kg	<67.0	67.0	04/28/18 10:47	
PCB-1232 (Aroclor 1232)	ug/kg	<33.0	33.0	04/28/18 10:47	
PCB-1242 (Aroclor 1242)	ug/kg	<33.0	33.0	04/28/18 10:47	
PCB-1248 (Aroclor 1248)	ug/kg	<33.0	33.0	04/28/18 10:47	
PCB-1254 (Aroclor 1254)	ug/kg	<33.0	33.0	04/28/18 10:47	
PCB-1260 (Aroclor 1260)	ug/kg	<33.0	33.0	04/28/18 10:47	
Decachlorobiphenyl (S)	%	96	30-150	04/28/18 10:47	
Tetrachloro-m-xylene (S)	%	81	30-150	04/28/18 10:47	

LABORATORY CONTROL SAMPLE: 298736

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
PCB-1016 (Aroclor 1016)	ug/kg	167	148	89	50-136	
PCB-1260 (Aroclor 1260)	ug/kg	167	171	102	45-154	
Decachlorobiphenyl (S)	%			93	30-150	
Tetrachloro-m-xylene (S)	%			82	30-150	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 298737 298738

Parameter	Units	7049227005		298738		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result						
PCB-1016 (Aroclor 1016)	ug/kg	<39.8	203	203	102	<40.0	50	17	28-173	30	M1
PCB-1221 (Aroclor 1221)	ug/kg	<80.9			<81.3	<81.3					
PCB-1232 (Aroclor 1232)	ug/kg	<39.8			<40.0	<40.0					
PCB-1242 (Aroclor 1242)	ug/kg	<39.8			<40.0	<40.0					
PCB-1248 (Aroclor 1248)	ug/kg	<39.8			<40.0	<40.0					
PCB-1254 (Aroclor 1254)	ug/kg	<39.8			<40.0	<40.0					
PCB-1260 (Aroclor 1260)	ug/kg	<39.8	203	203	100	<40.0	50	18	43-138	30	M1
Decachlorobiphenyl (S)	%						46	16	30-150	30	S0
Tetrachloro-m-xylene (S)	%						51	23	30-150	30	S0

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QUALITY CONTROL DATA

Project: FORMER COYNE TEXTILE FACILITY

Pace Project No.: 7049102

QC Batch: 65035	Analysis Method: ASTM D2216-92M
QC Batch Method: ASTM D2216-92M	Analysis Description: Dry Weight/Percent Moisture
Associated Lab Samples: 7049102001, 7049102002	

SAMPLE DUPLICATE: 298219

Parameter	Units	7048915001 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	<0.10	<0.10		20	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: FORMER COYNE TEXTILE FACILITY

Pace Project No.: 7049102

QC Batch: 65180

Analysis Method: SW-846 7.3.3.2

QC Batch Method: Reactivity Prep

Analysis Description: 733C Reactive Cyanide

Associated Lab Samples: 7049102001, 7049102002

METHOD BLANK: 298921

Matrix: Solid

Associated Lab Samples: 7049102001, 7049102002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Cyanide, Reactive	mg/kg	<99.8	99.8	04/27/18 15:09	N3

SAMPLE DUPLICATE: 298922

Parameter	Units	7049102001 Result	Dup Result	RPD	Max RPD	Qualifiers
Cyanide, Reactive	mg/kg	<122	<122		20	N3

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QUALITY CONTROL DATA

Project: FORMER COYNE TEXTILE FACILITY

Pace Project No.: 7049102

QC Batch: 65180

Analysis Method: SW-846 7.3.4.2

QC Batch Method: Reactivity Prep

Analysis Description: 734S Reactive Sulfide

Associated Lab Samples: 7049102001, 7049102002

METHOD BLANK: 298921

Matrix: Solid

Associated Lab Samples: 7049102001, 7049102002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Sulfide, Reactive	mg/kg	<99.8	99.8	04/27/18 14:07	N3

SAMPLE DUPLICATE: 298922

Parameter	Units	7049102001 Result	Dup Result	RPD	Max RPD	Qualifiers
Sulfide, Reactive	mg/kg	<99.6	<99.6		20	N3

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QUALIFIERS

Project: FORMER COYNE TEXTILE FACILITY

Pace Project No.: 7049102

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

SAMPLE QUALIFIERS

Sample: 7049102002

[1] Method (8082A): Surrogate recovery outside laboratory control limits due to sample matrix. Confirmed by re-extraction.

ANALYTE QUALIFIERS

CL The continuing calibration for this compound is outside of Pace Analytical acceptance limits. The results may be biased low.

M1 Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

N3 Accreditation is not offered by the relevant laboratory accrediting body for this parameter.

S0 Surrogate recovery outside laboratory control limits.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: FORMER COYNE TEXTILE FACILITY

Pace Project No.: 7049102

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
7049102001	SOIL-WC100	EPA 3546	64818	EPA 8082A	65009
7049102002	SOIL-WC101	EPA 3546	65143	EPA 8082A	65271
7049102001	SOIL-WC100	EPA 3005A	64725	EPA 6010C	64750
7049102002	SOIL-WC101	EPA 3005A	64725	EPA 6010C	64750
7049102001	SOIL-WC100	EPA 7470A	64729	EPA 7470A	64752
7049102002	SOIL-WC101	EPA 7470A	64729	EPA 7470A	64752
7049102001	SOIL-WC100	EPA 8260C	65191		
7049102002	SOIL-WC101	EPA 8260C	65191		
7049102001	SOIL-WC100	ASTM D2216-92M	65035		
7049102002	SOIL-WC101	ASTM D2216-92M	65035		
7049102001	SOIL-WC100	Reactivity Prep	65180	SW-846 7.3.4.2	65211
7049102002	SOIL-WC101	Reactivity Prep	65180	SW-846 7.3.4.2	65211
7049102001	SOIL-WC100	Reactivity Prep	65180	SW-846 7.3.3.2	65217
7049102002	SOIL-WC101	Reactivity Prep	65180	SW-846 7.3.3.2	65217

REPORT OF LABORATORY ANALYSIS

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CHAIN-OF-CUSTODY / Analytical Request Document
The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Section A
Required Client Information:
Company: **CHA Consulting**
Address: **300 S. State St. Suite 1600 Syracuse, NY 13202**
Email To: **keenan@chacompaines.com**
Phone: **(315) 457-1250** Fax:
Requested Due Date/TAT: **standard**

Section B
Required Project Information:
Report To: **Kayn Ehmman**
Copy To: **Sam Miller**
Purchase Order No.:
Project Name: **Primer Cone Textile Facility**
Project Number: **33525.1602.46200**

Section C
Invoice Information:
Attention:
Company Name:
Address:
Pace Quote Reference:
Pace Project Manager:
Pace Profile #:

of **3571**

INFLUEN GROUND WATER RCRA DRINKING WATER
UST RCRA OTHER

Site Location STATE: **NY**

WO#: **7049102**

ITEM #	Section D Required Client Information		Section E Matrix Codes		Section F Matrix Code		Section G Sample Type		Section H Collection		Section I Preservatives		Section J Analysis Filtered (Y/N)		Section K Sample Conditions	
	Matrix Code	Matrix Code	Matrix Code	Matrix Code	Matrix Code	Matrix Code	Matrix Code	Matrix Code	Matrix Code	Matrix Code	Matrix Code	Matrix Code	Matrix Code	Matrix Code	Matrix Code	Matrix Code
1	AW-EB100	DW	WT	WT G	4/19	1315	WT G	4/19	1315	Unpreserved	H ₂ SO ₄	X	X	TCL VOC	Y	
2	GW-WC100	WW	WT	WT G	4/19	1330	WT G	4/19	1330	HCl	X	X	X	TCL VOC	Y	
3	GW-WC101	P	WT	WT G	4/19	1335	WT G	4/19	1335	HNO ₃	X	X	X	TCL VOC	Y	
4	SOIL-WC100	SL	WT	SL G	4/19	1320	SL G	4/19	1320	NaOH	X	X	X	TCL VOC	Y	
5	SOIL-WC101	OL	WT	SL G	4/19	1325	SL G	4/19	1325	H ₂ O ₂	X	X	X	TCL VOC	Y	
6		WP								Other						
7		AR								Methanol						
8		TIS								Na ₂ S ₂ O ₃						
9		OT								Other						
10																
11																
12																

RELINQUISHED BY / AFFILIATION: **Kayn Ehmman CHA** DATE: **4/19/18** TIME: **1445**

ACCEPTED BY / AFFILIATION: **Sam Miller** DATE: **4/19/18** TIME: **1700**

DATE Signed (MM/DD/YYYY): **4/19/2018**

DATE Signed (MM/DD/YYYY): **4/19/2018**

PRINT Name of SAMPLER: **Kayn Ehmman**

SIGNATURE of SAMPLER: *[Signature]*

PRINT Name of SAMPLER: **Kayn Ehmman**

SIGNATURE of SAMPLER: *[Signature]*

ORIGINAL

*Important Note: By signing this form you are accepting Pace's NET 30 day payment terms and agreeing to late charges of 1.5% per month for any invoices not paid within 30 days.

Client Name: CHA

WO#: 7049102

PM: JM2 Due Date: 04/27/18

CLIENT: CHA

Courier: Fed Ex UPS USPS Client Commercial Pace Other

Tracking #: 7720 4361 8731

Custody Seal on Cooler/Box Present: Yes No Seals intact: Yes No

Packing Material: Bubble Wrap Bubble Bags Ziploc None Other

Thermometer Used: TH091

Correction Factor: 0.0

Cooler Temperature (°C): 4.2

Cooler Temperature Corrected (°C): 4.2

Temp should be above freezing to 6.0°C

USDA Regulated Soil (N/A, water sample)

Date and Initials of person examining contents: 5/8 4/20/18

Did samples originate in a quarantine zone within the United States: AL, AR, CA, FL, GA, ID, LA, MS, NC, NM, NY, OK, OR, SC, TN, TX, or VA (check map)? YES NO

Did samples originate from a foreign source (internationally, including Hawaii and Puerto Rico)? Yes No

If Yes to either question, fill out a Regulated Soil Checklist (F-LI-C-010) and include with SCUR/COC paperwork.

		COMMENTS:
Chain of Custody Present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	1.
Chain of Custody Filled Out:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	2.
Chain of Custody Relinquished:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	3.
Sampler Name & Signature on COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	4.
Samples Arrived within Hold Time:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	5.
Short Hold Time Analysis (<72hr):	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	6.
Rush Turn Around Time Requested:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	7.
Sufficient Volume: (Triple volume provided for MS/MSD):	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	8.
Correct Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	9.
-Pace Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Containers Intact:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	10.
Filtered volume received for Dissolved tests	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	11. Note if sediment is visible in the dissolved container.
Sample Labels match COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	12.
-Includes date/time/ID/Analysis Matrix <u>SL WT OIL</u>		
All containers needing preservation have been checked	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	13. <input type="checkbox"/> HNO ₃ <input type="checkbox"/> H ₂ SO ₄ <input type="checkbox"/> NaOH <input type="checkbox"/> HCl
pH paper Lot #		Sample #
All containers needing preservation are found to be in compliance with EPA recommendation? (HNO ₃ , H ₂ SO ₄ , HCl, NaOH > 9 Sulfide, NaOH > 12 Cyanide)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	Initial when completed: Lot # of added preservative: Date/Time preservative added:
Exceptions: VOA, Coliform, TOC/DOC, Oil and Grease, DRO/8015 (water). Per Method, VOA pH is checked after analysis		
Samples checked for dechlorination:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	14. Positive for Res. Chlorine? Y N
KI starch test strips Lot #		
Residual chlorine strips Lot #		
Headspace in VOA Vials (>6mm):	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	15.
Trip Blank Present:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	16.
Trip Blank Custody Seals Present	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
Pace Trip Blank Lot # (if applicable):		

Field Data Required? Y / N

Date/Time: _____

Client Notification/ Resolution: _____

Person Contacted: _____

Comments/ Resolution: _____

* PM (Project Manager) review is documented electronically in LIMS.

May 02, 2018

Samantha Miller
CHA Companies
300 South Stae Street
Syracuse, NY 13202

RE: Project: FORMER COYNE TEXTILE FAC.-4/20
Pace Project No.: 7049200

Dear Samantha Miller:

Enclosed are the analytical results for sample(s) received by the laboratory on April 21, 2018. The results relate only to the samples included in this report. Results reported herein conform to the most current, applicable TNI/NELAC standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,



James Murphy
james.murphy@pacelabs.com
(518)346-4592
Project Manager

Enclosures

cc: Karyn Ehmann, CHA Companies



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: FORMER COYNE TEXTILE FAC.-4/20

Pace Project No.: 7049200

Long Island Certification IDs

575 Broad Hollow Rd, Melville, NY 11747

New York Certification #: 10478 Primary Accrediting Body

New Jersey Certification #: NY158

Pennsylvania Certification #: 68-00350

Connecticut Certification #: PH-0435

Maryland Certification #: 208

Rhode Island Certification #: LAO00340

Massachusetts Certification #: M-NY026

New Hampshire Certification #: 2987

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: FORMER COYNE TEXTILE FAC.-4/20

Pace Project No.: 7049200

Method: EPA 8082A

Description: 8082 GCS PCB

Client: CHA Companies

Date: May 02, 2018

General Information:

1 sample was analyzed for EPA 8082A. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:

The samples were prepared in accordance with EPA 3546 with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):

All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:

All criteria were within method requirements with any exceptions noted below.

Surrogates:

All surrogates were within QC limits with any exceptions noted below.

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Additional Comments:

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: FORMER COYNE TEXTILE FAC.-4/20

Pace Project No.: 7049200

Method: EPA 6010C

Description: 6010 MET ICP

Client: CHA Companies

Date: May 02, 2018

General Information:

1 sample was analyzed for EPA 6010C. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:

The samples were prepared in accordance with EPA 3050B with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):

All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:

All criteria were within method requirements with any exceptions noted below.

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

QC Batch: 64535

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 7049200001

M1: Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

- MS (Lab ID: 296151)
 - Aluminum
 - Calcium
 - Copper
 - Iron
 - Magnesium
 - Nickel
 - Silver

Duplicate Sample:

All duplicate sample results were within method acceptance criteria with any exceptions noted below.

QC Batch: 64535

D6: The precision between the sample and sample duplicate exceeded laboratory control limits.

- DUP (Lab ID: 296150)
 - Arsenic

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PROJECT NARRATIVE

Project: FORMER COYNE TEXTILE FAC.-4/20

Pace Project No.: 7049200

Method: EPA 6010C

Description: 6010 MET ICP

Client: CHA Companies

Date: May 02, 2018

QC Batch: 64535

D6: The precision between the sample and sample duplicate exceeded laboratory control limits.

- Calcium
- Copper
- Vanadium

Additional Comments:

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PROJECT NARRATIVE

Project: FORMER COYNE TEXTILE FAC.-4/20

Pace Project No.: 7049200

Method: EPA 7471B

Description: 7471 Mercury

Client: CHA Companies

Date: May 02, 2018

General Information:

1 sample was analyzed for EPA 7471B. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:

The samples were prepared in accordance with EPA 7471B with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):

All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:

All criteria were within method requirements with any exceptions noted below.

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Duplicate Sample:

All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: FORMER COYNE TEXTILE FAC.-4/20

Pace Project No.: 7049200

Method: EPA 8270D

Description: 8270 MSSV

Client: CHA Companies

Date: May 02, 2018

General Information:

1 sample was analyzed for EPA 8270D. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:

The samples were prepared in accordance with EPA 3545A with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):

All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:

All criteria were within method requirements with any exceptions noted below.

QC Batch: 64532

CH: The continuing calibration for this compound is outside of Pace Analytical acceptance limits. The results may be biased high.

- LCS (Lab ID: 296135)
 - Pentachlorophenol
- MS (Lab ID: 296146)
 - Pentachlorophenol
- MSD (Lab ID: 296147)
 - Pentachlorophenol

CL: The continuing calibration for this compound is outside of Pace Analytical acceptance limits. The results may be biased low.

- BLANK (Lab ID: 296134)
 - 2,2'-Oxybis(1-chloropropane)
 - Benzaldehyde
 - Hexachlorocyclopentadiene
 - bis(2-Chloroethyl) ether
- LCS (Lab ID: 296135)
 - 2,2'-Oxybis(1-chloropropane)
 - Benzaldehyde
 - Hexachlorocyclopentadiene
 - bis(2-Chloroethyl) ether
- MS (Lab ID: 296146)
 - 2,2'-Oxybis(1-chloropropane)
 - Benzaldehyde
 - Hexachlorocyclopentadiene
 - bis(2-Chloroethyl) ether
- MSD (Lab ID: 296147)
 - 2,2'-Oxybis(1-chloropropane)
 - Benzaldehyde
 - Hexachlorocyclopentadiene
 - bis(2-Chloroethyl) ether

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: FORMER COYNE TEXTILE FAC.-4/20

Pace Project No.: 7049200

Method: EPA 8270D

Description: 8270 MSSV

Client: CHA Companies

Date: May 02, 2018

QC Batch: 64532

CL: The continuing calibration for this compound is outside of Pace Analytical acceptance limits. The results may be biased low.

- SOIL-107 (Lab ID: 7049200001)
 - 2,2'-Oxybis(1-chloropropane)
 - Benzaldehyde
 - Hexachlorocyclopentadiene
 - bis(2-Chloroethyl) ether

Internal Standards:

All internal standards were within QC limits with any exceptions noted below.

Surrogates:

All surrogates were within QC limits with any exceptions noted below.

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

QC Batch: 64532

L2: Analyte recovery in the laboratory control sample (LCS) was below QC limits. Results for this analyte in associated samples may be biased low.

- LCS (Lab ID: 296135)
 - 4,6-Dinitro-2-methylphenol
 - 4-Nitroaniline
 - Benzaldehyde
 - Butylbenzylphthalate
 - bis(2-Ethylhexyl)phthalate

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

QC Batch: 64532

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 7048991001

M0: Matrix spike recovery and/or matrix spike duplicate recovery was outside laboratory control limits.

- MS (Lab ID: 296146)
 - Benzaldehyde
 - bis(2-Ethylhexyl)phthalate
- MSD (Lab ID: 296147)
 - bis(2-Ethylhexyl)phthalate

M1: Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

- MS (Lab ID: 296146)
 - 3,3'-Dichlorobenzidine
 - Dibenzo(a,h)anthracene

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PROJECT NARRATIVE

Project: FORMER COYNE TEXTILE FAC.-4/20

Pace Project No.: 7049200

Method: EPA 8270D

Description: 8270 MSSV

Client: CHA Companies

Date: May 02, 2018

QC Batch: 64532

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 7048991001

M1: Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

- Hexachlorocyclopentadiene
- MSD (Lab ID: 296147)
 - 3,3'-Dichlorobenzidine
 - Dibenz(a,h)anthracene
 - Hexachlorocyclopentadiene
 - Indeno(1,2,3-cd)pyrene

R1: RPD value was outside control limits.

- MSD (Lab ID: 296147)
 - 2,2'-Oxybis(1-chloropropane)
 - Benzaldehyde

Additional Comments:

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PROJECT NARRATIVE

Project: FORMER COYNE TEXTILE FAC.-4/20

Pace Project No.: 7049200

Method: EPA 8260C

Description: 8260C MSV 5035A-L Low Level

Client: CHA Companies

Date: May 02, 2018

General Information:

1 sample was analyzed for EPA 8260C. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:

The samples were prepared in accordance with EPA 5035A-L with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):

All criteria were within method requirements with any exceptions noted below.

QC Batch: 65461

IL: This analyte exceeded secondary source verification criteria low for the initial calibration. The reported results should be considered an estimated value.

- BLANK (Lab ID: 300183)
 - Dichlorodifluoromethane
- DUP (Lab ID: 300185)
 - Dichlorodifluoromethane
- LCS (Lab ID: 300184)
 - Dichlorodifluoromethane
- SOIL-107 (Lab ID: 7049200001)
 - Dichlorodifluoromethane

Continuing Calibration:

All criteria were within method requirements with any exceptions noted below.

QC Batch: 65461

CH: The continuing calibration for this compound is outside of Pace Analytical acceptance limits. The results may be biased high.

- LCS (Lab ID: 300184)
 - 1,1-Dichloroethene
 - Acetone
 - Bromomethane
 - Carbon disulfide
 - Chloroethane
 - Trichlorofluoromethane
 - Vinyl chloride
- SOIL-107 (Lab ID: 7049200001)
 - Acetone

Internal Standards:

All internal standards were within QC limits with any exceptions noted below.

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: FORMER COYNE TEXTILE FAC.-4/20

Pace Project No.: 7049200

Method: EPA 8260C

Description: 8260C MSV 5035A-L Low Level

Client: CHA Companies

Date: May 02, 2018

Surrogates:

All surrogates were within QC limits with any exceptions noted below.

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Duplicate Sample:

All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

This data package has been reviewed for quality and completeness and is approved for release.

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: FORMER COYNE TEXTILE FAC.-4/20

Pace Project No.: 7049200

Sample: SOIL-107 Lab ID: 7049200001 Collected: 04/20/18 13:00 Received: 04/21/18 11:55 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8082 GCS PCB Analytical Method: EPA 8082A Preparation Method: EPA 3546								
PCB-1016 (Aroclor 1016)	<41.4	ug/kg	41.4	1	04/24/18 18:30	04/26/18 12:17	12674-11-2	
PCB-1221 (Aroclor 1221)	<84.0	ug/kg	84.0	1	04/24/18 18:30	04/26/18 12:17	11104-28-2	
PCB-1232 (Aroclor 1232)	<41.4	ug/kg	41.4	1	04/24/18 18:30	04/26/18 12:17	11141-16-5	
PCB-1242 (Aroclor 1242)	<41.4	ug/kg	41.4	1	04/24/18 18:30	04/26/18 12:17	53469-21-9	
PCB-1248 (Aroclor 1248)	<41.4	ug/kg	41.4	1	04/24/18 18:30	04/26/18 12:17	12672-29-6	
PCB-1254 (Aroclor 1254)	<41.4	ug/kg	41.4	1	04/24/18 18:30	04/26/18 12:17	11097-69-1	
PCB-1260 (Aroclor 1260)	<41.4	ug/kg	41.4	1	04/24/18 18:30	04/26/18 12:17	11096-82-5	
Surrogates								
Tetrachloro-m-xylene (S)	48	%	30-150	1	04/24/18 18:30	04/26/18 12:17	877-09-8	
Decachlorobiphenyl (S)	47	%	30-150	1	04/24/18 18:30	04/26/18 12:17	2051-24-3	
6010 MET ICP Analytical Method: EPA 6010C Preparation Method: EPA 3050B								
Aluminum	6060	mg/kg	13.1	1	04/23/18 10:56	04/25/18 04:53	7429-90-5	M1
Antimony	<3.9	mg/kg	3.9	1	04/23/18 10:56	04/25/18 04:53	7440-36-0	
Arsenic	1.8	mg/kg	0.66	1	04/23/18 10:56	04/25/18 04:53	7440-38-2	D6
Barium	22.3	mg/kg	13.1	1	04/23/18 10:56	04/25/18 04:53	7440-39-3	
Beryllium	<0.33	mg/kg	0.33	1	04/23/18 10:56	04/25/18 04:53	7440-41-7	
Cadmium	<0.16	mg/kg	0.16	1	04/23/18 10:56	04/25/18 04:53	7440-43-9	
Calcium	2330	mg/kg	65.6	1	04/23/18 10:56	04/25/18 04:53	7440-70-2	D6,M1
Chromium	11.3	mg/kg	0.66	1	04/23/18 10:56	04/25/18 04:53	7440-47-3	
Cobalt	6.1	mg/kg	3.3	1	04/23/18 10:56	04/25/18 04:53	7440-48-4	
Copper	18.8	mg/kg	1.6	1	04/23/18 10:56	04/25/18 04:53	7440-50-8	D6,M1
Iron	11500	mg/kg	6.6	1	04/23/18 10:56	04/25/18 04:53	7439-89-6	M1
Lead	7.1	mg/kg	0.33	1	04/23/18 10:56	04/25/18 04:53	7439-92-1	
Magnesium	3010	mg/kg	65.6	1	04/23/18 10:56	04/25/18 04:53	7439-95-4	M1
Manganese	91.3	mg/kg	0.98	1	04/23/18 10:56	04/25/18 04:53	7439-96-5	
Nickel	16.7	mg/kg	2.6	1	04/23/18 10:56	04/25/18 04:53	7440-02-0	M1
Potassium	801	mg/kg	328	1	04/23/18 10:56	04/25/18 04:53	7440-09-7	
Selenium	<0.66	mg/kg	0.66	1	04/23/18 10:56	04/25/18 04:53	7782-49-2	
Silver	<0.66	mg/kg	0.66	1	04/23/18 10:56	04/25/18 04:53	7440-22-4	M1
Sodium	<328	mg/kg	328	1	04/23/18 10:56	04/25/18 04:53	7440-23-5	
Thallium	<0.66	mg/kg	0.66	1	04/23/18 10:56	04/25/18 04:53	7440-28-0	
Vanadium	15.3	mg/kg	3.3	1	04/23/18 10:56	04/25/18 04:53	7440-62-2	D6
Zinc	31.6	mg/kg	1.3	1	04/23/18 10:56	04/25/18 04:53	7440-66-6	
7471 Mercury Analytical Method: EPA 7471B Preparation Method: EPA 7471B								
Mercury	<0.054	mg/kg	0.054	1	04/23/18 11:07	04/30/18 12:34	7439-97-6	
8270 MSSV Analytical Method: EPA 8270D Preparation Method: EPA 3545A								
1,2,4-Trichlorobenzene	<83.9	ug/kg	83.9	1	04/23/18 11:12	04/24/18 18:12	120-82-1	
2,2'-Oxybis(1-chloropropane)	<83.9	ug/kg	83.9	1	04/23/18 11:12	04/24/18 18:12	108-60-1	CL
2,4,5-Trichlorophenol	<83.9	ug/kg	83.9	1	04/23/18 11:12	04/24/18 18:12	95-95-4	
2,4,6-Trichlorophenol	<83.9	ug/kg	83.9	1	04/23/18 11:12	04/24/18 18:12	88-06-2	
2,4-Dichlorophenol	<83.9	ug/kg	83.9	1	04/23/18 11:12	04/24/18 18:12	120-83-2	
2,4-Dimethylphenol	<83.9	ug/kg	83.9	1	04/23/18 11:12	04/24/18 18:12	105-67-9	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: FORMER COYNE TEXTILE FAC.-4/20

Pace Project No.: 7049200

Sample: SOIL-107 Lab ID: 7049200001 Collected: 04/20/18 13:00 Received: 04/21/18 11:55 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV								
Analytical Method: EPA 8270D Preparation Method: EPA 3545A								
2,4-Dinitrophenol	<839	ug/kg	839	1	04/23/18 11:12	04/24/18 18:12	51-28-5	
2,4-Dinitrotoluene	<413	ug/kg	413	1	04/23/18 11:12	04/24/18 18:12	121-14-2	
2,6-Dinitrotoluene	<413	ug/kg	413	1	04/23/18 11:12	04/24/18 18:12	606-20-2	
2-Chloronaphthalene	<83.9	ug/kg	83.9	1	04/23/18 11:12	04/24/18 18:12	91-58-7	
2-Chlorophenol	<83.9	ug/kg	83.9	1	04/23/18 11:12	04/24/18 18:12	95-57-8	
2-Methylnaphthalene	<83.9	ug/kg	83.9	1	04/23/18 11:12	04/24/18 18:12	91-57-6	
2-Methylphenol(o-Cresol)	<83.9	ug/kg	83.9	1	04/23/18 11:12	04/24/18 18:12	95-48-7	
2-Nitroaniline	<413	ug/kg	413	1	04/23/18 11:12	04/24/18 18:12	88-74-4	
2-Nitrophenol	<413	ug/kg	413	1	04/23/18 11:12	04/24/18 18:12	88-75-5	
3&4-Methylphenol(m&p Cresol)	<83.9	ug/kg	83.9	1	04/23/18 11:12	04/24/18 18:12		
3,3'-Dichlorobenzidine	<413	ug/kg	413	1	04/23/18 11:12	04/24/18 18:12	91-94-1	
3-Nitroaniline	<413	ug/kg	413	1	04/23/18 11:12	04/24/18 18:12	99-09-2	
4,6-Dinitro-2-methylphenol	<839	ug/kg	839	1	04/23/18 11:12	04/24/18 18:12	534-52-1	L2
4-Bromophenylphenyl ether	<83.9	ug/kg	83.9	1	04/23/18 11:12	04/24/18 18:12	101-55-3	
4-Chloro-3-methylphenol	<83.9	ug/kg	83.9	1	04/23/18 11:12	04/24/18 18:12	59-50-7	
4-Chloroaniline	<413	ug/kg	413	1	04/23/18 11:12	04/24/18 18:12	106-47-8	
4-Chlorophenylphenyl ether	<83.9	ug/kg	83.9	1	04/23/18 11:12	04/24/18 18:12	7005-72-3	
4-Nitroaniline	<413	ug/kg	413	1	04/23/18 11:12	04/24/18 18:12	100-01-6	L2
4-Nitrophenol	<839	ug/kg	839	1	04/23/18 11:12	04/24/18 18:12	100-02-7	
Acenaphthene	<83.9	ug/kg	83.9	1	04/23/18 11:12	04/24/18 18:12	83-32-9	
Acenaphthylene	<83.9	ug/kg	83.9	1	04/23/18 11:12	04/24/18 18:12	208-96-8	
Acetophenone	<83.9	ug/kg	83.9	1	04/23/18 11:12	04/24/18 18:12	98-86-2	
Anthracene	<83.9	ug/kg	83.9	1	04/23/18 11:12	04/24/18 18:12	120-12-7	
Atrazine	<83.9	ug/kg	83.9	1	04/23/18 11:12	04/24/18 18:12	1912-24-9	
Benzaldehyde	<83.9	ug/kg	83.9	1	04/23/18 11:12	04/24/18 18:12	100-52-7	CL,L2
Benzo(a)anthracene	<83.9	ug/kg	83.9	1	04/23/18 11:12	04/24/18 18:12	56-55-3	
Benzo(a)pyrene	<83.9	ug/kg	83.9	1	04/23/18 11:12	04/24/18 18:12	50-32-8	
Benzo(b)fluoranthene	<83.9	ug/kg	83.9	1	04/23/18 11:12	04/24/18 18:12	205-99-2	
Benzo(g,h,i)perylene	<83.9	ug/kg	83.9	1	04/23/18 11:12	04/24/18 18:12	191-24-2	
Benzo(k)fluoranthene	<83.9	ug/kg	83.9	1	04/23/18 11:12	04/24/18 18:12	207-08-9	
Biphenyl (Diphenyl)	<83.9	ug/kg	83.9	1	04/23/18 11:12	04/24/18 18:12	92-52-4	
Butylbenzylphthalate	<83.9	ug/kg	83.9	1	04/23/18 11:12	04/24/18 18:12	85-68-7	L2
Caprolactam	<83.9	ug/kg	83.9	1	04/23/18 11:12	04/24/18 18:12	105-60-2	
Carbazole	<83.9	ug/kg	83.9	1	04/23/18 11:12	04/24/18 18:12	86-74-8	
Chrysene	<83.9	ug/kg	83.9	1	04/23/18 11:12	04/24/18 18:12	218-01-9	
Di-n-butylphthalate	<83.9	ug/kg	83.9	1	04/23/18 11:12	04/24/18 18:12	84-74-2	
Di-n-octylphthalate	<83.9	ug/kg	83.9	1	04/23/18 11:12	04/24/18 18:12	117-84-0	
Dibenz(a,h)anthracene	<83.9	ug/kg	83.9	1	04/23/18 11:12	04/24/18 18:12	53-70-3	
Dibenzofuran	<83.9	ug/kg	83.9	1	04/23/18 11:12	04/24/18 18:12	132-64-9	
Diethylphthalate	<83.9	ug/kg	83.9	1	04/23/18 11:12	04/24/18 18:12	84-66-2	
Dimethylphthalate	<83.9	ug/kg	83.9	1	04/23/18 11:12	04/24/18 18:12	131-11-3	
Fluoranthene	<83.9	ug/kg	83.9	1	04/23/18 11:12	04/24/18 18:12	206-44-0	
Fluorene	<83.9	ug/kg	83.9	1	04/23/18 11:12	04/24/18 18:12	86-73-7	
Hexachloro-1,3-butadiene	<83.9	ug/kg	83.9	1	04/23/18 11:12	04/24/18 18:12	87-68-3	
Hexachlorobenzene	<83.9	ug/kg	83.9	1	04/23/18 11:12	04/24/18 18:12	118-74-1	
Hexachlorocyclopentadiene	<413	ug/kg	413	1	04/23/18 11:12	04/24/18 18:12	77-47-4	CL

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: FORMER COYNE TEXTILE FAC.-4/20

Pace Project No.: 7049200

Sample: SOIL-107 **Lab ID: 7049200001** Collected: 04/20/18 13:00 Received: 04/21/18 11:55 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Analytical Method: EPA 8270D Preparation Method: EPA 3545A								
Hexachloroethane	<83.9	ug/kg	83.9	1	04/23/18 11:12	04/24/18 18:12	67-72-1	
Indeno(1,2,3-cd)pyrene	<83.9	ug/kg	83.9	1	04/23/18 11:12	04/24/18 18:12	193-39-5	
Isophorone	<83.9	ug/kg	83.9	1	04/23/18 11:12	04/24/18 18:12	78-59-1	
N-Nitroso-di-n-propylamine	<83.9	ug/kg	83.9	1	04/23/18 11:12	04/24/18 18:12	621-64-7	
N-Nitrosodiphenylamine	<83.9	ug/kg	83.9	1	04/23/18 11:12	04/24/18 18:12	86-30-6	
Naphthalene	<83.9	ug/kg	83.9	1	04/23/18 11:12	04/24/18 18:12	91-20-3	
Nitrobenzene	<83.9	ug/kg	83.9	1	04/23/18 11:12	04/24/18 18:12	98-95-3	
Pentachlorophenol	<839	ug/kg	839	1	04/23/18 11:12	04/24/18 18:12	87-86-5	
Phenanthrene	<83.9	ug/kg	83.9	1	04/23/18 11:12	04/24/18 18:12	85-01-8	
Phenol	<83.9	ug/kg	83.9	1	04/23/18 11:12	04/24/18 18:12	108-95-2	
Pyrene	<83.9	ug/kg	83.9	1	04/23/18 11:12	04/24/18 18:12	129-00-0	
bis(2-Chloroethoxy)methane	<83.9	ug/kg	83.9	1	04/23/18 11:12	04/24/18 18:12	111-91-1	
bis(2-Chloroethyl) ether	<83.9	ug/kg	83.9	1	04/23/18 11:12	04/24/18 18:12	111-44-4	CL
bis(2-Ethylhexyl)phthalate	<83.9	ug/kg	83.9	1	04/23/18 11:12	04/24/18 18:12	117-81-7	L2
Surrogates								
Nitrobenzene-d5 (S)	76	%	23-120	1	04/23/18 11:12	04/24/18 18:12	4165-60-0	
2-Fluorobiphenyl (S)	83	%	30-115	1	04/23/18 11:12	04/24/18 18:12	321-60-8	
p-Terphenyl-d14 (S)	127	%	18-137	1	04/23/18 11:12	04/24/18 18:12	1718-51-0	
Phenol-d5 (S)	76	%	24-113	1	04/23/18 11:12	04/24/18 18:12	4165-62-2	
2-Fluorophenol (S)	64	%	25-121	1	04/23/18 11:12	04/24/18 18:12	367-12-4	
2,4,6-Tribromophenol (S)	89	%	19-122	1	04/23/18 11:12	04/24/18 18:12	118-79-6	
2-Chlorophenol-d4 (S)	77	%	20-130	1	04/23/18 11:12	04/24/18 18:12	93951-73-6	
1,2-Dichlorobenzene-d4 (S)	70	%	20-130	1	04/23/18 11:12	04/24/18 18:12	2199-69-1	
8260C MSV 5035A-L Low Level Analytical Method: EPA 8260C Preparation Method: EPA 5035A-L								
1,1,1-Trichloroethane	<1.7	ug/kg	1.7	1	04/30/18 09:54	04/30/18 14:09	71-55-6	
1,1,2,2-Tetrachloroethane	<1.7	ug/kg	1.7	1	04/30/18 09:54	04/30/18 14:09	79-34-5	
1,1,2-Trichloroethane	<1.7	ug/kg	1.7	1	04/30/18 09:54	04/30/18 14:09	79-00-5	
1,1,2-Trichlorotrifluoroethane	<1.7	ug/kg	1.7	1	04/30/18 09:54	04/30/18 14:09	76-13-1	
1,1-Dichloroethane	<1.7	ug/kg	1.7	1	04/30/18 09:54	04/30/18 14:09	75-34-3	
1,1-Dichloroethene	<1.7	ug/kg	1.7	1	04/30/18 09:54	04/30/18 14:09	75-35-4	
1,2,4-Trichlorobenzene	<1.7	ug/kg	1.7	1	04/30/18 09:54	04/30/18 14:09	120-82-1	
1,2-Dibromo-3-chloropropane	<1.7	ug/kg	1.7	1	04/30/18 09:54	04/30/18 14:09	96-12-8	
1,2-Dibromoethane (EDB)	<1.7	ug/kg	1.7	1	04/30/18 09:54	04/30/18 14:09	106-93-4	
1,2-Dichlorobenzene	<1.7	ug/kg	1.7	1	04/30/18 09:54	04/30/18 14:09	95-50-1	
1,2-Dichloroethane	<1.7	ug/kg	1.7	1	04/30/18 09:54	04/30/18 14:09	107-06-2	
1,2-Dichloropropane	<1.7	ug/kg	1.7	1	04/30/18 09:54	04/30/18 14:09	78-87-5	
1,3-Dichlorobenzene	<1.7	ug/kg	1.7	1	04/30/18 09:54	04/30/18 14:09	541-73-1	
1,4-Dichlorobenzene	<1.7	ug/kg	1.7	1	04/30/18 09:54	04/30/18 14:09	106-46-7	
2-Butanone (MEK)	<1.7	ug/kg	1.7	1	04/30/18 09:54	04/30/18 14:09	78-93-3	
2-Hexanone	<1.7	ug/kg	1.7	1	04/30/18 09:54	04/30/18 14:09	591-78-6	
4-Methyl-2-pentanone (MIBK)	<1.7	ug/kg	1.7	1	04/30/18 09:54	04/30/18 14:09	108-10-1	
Acetone	5.9	ug/kg	1.7	1	04/30/18 09:54	04/30/18 14:09	67-64-1	CH
Benzene	<1.7	ug/kg	1.7	1	04/30/18 09:54	04/30/18 14:09	71-43-2	
Bromodichloromethane	<1.7	ug/kg	1.7	1	04/30/18 09:54	04/30/18 14:09	75-27-4	
Bromoform	<1.7	ug/kg	1.7	1	04/30/18 09:54	04/30/18 14:09	75-25-2	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: FORMER COYNE TEXTILE FAC.-4/20

Pace Project No.: 7049200

Sample: SOIL-107 **Lab ID: 7049200001** Collected: 04/20/18 13:00 Received: 04/21/18 11:55 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260C MSV 5035A-L Low Level		Analytical Method: EPA 8260C Preparation Method: EPA 5035A-L						
Bromomethane	<1.7	ug/kg	1.7	1	04/30/18 09:54	04/30/18 14:09	74-83-9	
Carbon disulfide	<1.7	ug/kg	1.7	1	04/30/18 09:54	04/30/18 14:09	75-15-0	
Carbon tetrachloride	<1.7	ug/kg	1.7	1	04/30/18 09:54	04/30/18 14:09	56-23-5	
Chlorobenzene	<1.7	ug/kg	1.7	1	04/30/18 09:54	04/30/18 14:09	108-90-7	
Chloroethane	<1.7	ug/kg	1.7	1	04/30/18 09:54	04/30/18 14:09	75-00-3	
Chloroform	<1.7	ug/kg	1.7	1	04/30/18 09:54	04/30/18 14:09	67-66-3	
Chloromethane	<1.7	ug/kg	1.7	1	04/30/18 09:54	04/30/18 14:09	74-87-3	
Cyclohexane	<1.7	ug/kg	1.7	1	04/30/18 09:54	04/30/18 14:09	110-82-7	
Dibromochloromethane	<1.7	ug/kg	1.7	1	04/30/18 09:54	04/30/18 14:09	124-48-1	
Dichlorodifluoromethane	<1.7	ug/kg	1.7	1	04/30/18 09:54	04/30/18 14:09	75-71-8	IL
Ethylbenzene	<1.7	ug/kg	1.7	1	04/30/18 09:54	04/30/18 14:09	100-41-4	
Isopropylbenzene (Cumene)	<1.7	ug/kg	1.7	1	04/30/18 09:54	04/30/18 14:09	98-82-8	
Methyl acetate	<1.7	ug/kg	1.7	1	04/30/18 09:54	04/30/18 14:09	79-20-9	
Methyl-tert-butyl ether	<1.7	ug/kg	1.7	1	04/30/18 09:54	04/30/18 14:09	1634-04-4	
Methylcyclohexane	<1.7	ug/kg	1.7	1	04/30/18 09:54	04/30/18 14:09	108-87-2	
Methylene Chloride	<1.7	ug/kg	1.7	1	04/30/18 09:54	04/30/18 14:09	75-09-2	
Styrene	<1.7	ug/kg	1.7	1	04/30/18 09:54	04/30/18 14:09	100-42-5	
Tetrachloroethene	<1.7	ug/kg	1.7	1	04/30/18 09:54	04/30/18 14:09	127-18-4	
Toluene	<1.7	ug/kg	1.7	1	04/30/18 09:54	04/30/18 14:09	108-88-3	
Trichloroethene	<1.7	ug/kg	1.7	1	04/30/18 09:54	04/30/18 14:09	79-01-6	
Trichlorofluoromethane	<1.7	ug/kg	1.7	1	04/30/18 09:54	04/30/18 14:09	75-69-4	
Vinyl chloride	<1.7	ug/kg	1.7	1	04/30/18 09:54	04/30/18 14:09	75-01-4	
Xylene (Total)	<3.4	ug/kg	3.4	1	04/30/18 09:54	04/30/18 14:09	1330-20-7	
cis-1,2-Dichloroethene	<1.7	ug/kg	1.7	1	04/30/18 09:54	04/30/18 14:09	156-59-2	
cis-1,3-Dichloropropene	<1.7	ug/kg	1.7	1	04/30/18 09:54	04/30/18 14:09	10061-01-5	
trans-1,2-Dichloroethene	<1.7	ug/kg	1.7	1	04/30/18 09:54	04/30/18 14:09	156-60-5	
trans-1,3-Dichloropropene	<1.7	ug/kg	1.7	1	04/30/18 09:54	04/30/18 14:09	10061-02-6	
Surrogates								
Toluene-d8 (S)	92	%	43-157	1	04/30/18 09:54	04/30/18 14:09	2037-26-5	
4-Bromofluorobenzene (S)	95	%	34-145	1	04/30/18 09:54	04/30/18 14:09	460-00-4	
1,2-Dichloroethane-d4 (S)	112	%	33-150	1	04/30/18 09:54	04/30/18 14:09	17060-07-0	
Percent Moisture		Analytical Method: ASTM D2216-92M						
Percent Moisture	20.5	%	0.10	1		04/25/18 23:57		

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: FORMER COYNE TEXTILE FAC.-4/20
Pace Project No.: 7049200

QC Batch: 64543 Analysis Method: EPA 7471B
QC Batch Method: EPA 7471B Analysis Description: 7471 Mercury
Associated Lab Samples: 7049200001

METHOD BLANK: 296215 Matrix: Solid
Associated Lab Samples: 7049200001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury	mg/kg	<0.033	0.033	04/30/18 12:30	

LABORATORY CONTROL SAMPLE: 296216

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	mg/kg	.17	0.16	93	80-120	

MATRIX SPIKE SAMPLE: 296217

Parameter	Units	7049200001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Mercury	mg/kg	<0.054	.25	0.24	98	80-120	

SAMPLE DUPLICATE: 296218

Parameter	Units	7049200001 Result	Dup Result	RPD	Qualifiers
Mercury	mg/kg	<0.054	<0.051		

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QUALITY CONTROL DATA

Project: FORMER COYNE TEXTILE FAC.-4/20

Pace Project No.: 7049200

QC Batch: 64535 Analysis Method: EPA 6010C
QC Batch Method: EPA 3050B Analysis Description: 6010 MET
Associated Lab Samples: 7049200001

METHOD BLANK: 296148 Matrix: Solid
Associated Lab Samples: 7049200001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Aluminum	mg/kg	<9.8	9.8	04/25/18 04:41	
Antimony	mg/kg	<2.9	2.9	04/25/18 04:41	
Arsenic	mg/kg	<0.49	0.49	04/25/18 04:41	
Barium	mg/kg	<9.8	9.8	04/25/18 04:41	
Beryllium	mg/kg	<0.24	0.24	04/25/18 04:41	
Cadmium	mg/kg	<0.12	0.12	04/25/18 04:41	
Calcium	mg/kg	<48.8	48.8	04/25/18 04:41	
Chromium	mg/kg	<0.49	0.49	04/25/18 04:41	
Cobalt	mg/kg	<2.4	2.4	04/25/18 04:41	
Copper	mg/kg	<1.2	1.2	04/25/18 04:41	
Iron	mg/kg	<4.9	4.9	04/25/18 04:41	
Lead	mg/kg	<0.24	0.24	04/25/18 04:41	
Magnesium	mg/kg	<48.8	48.8	04/25/18 04:41	
Manganese	mg/kg	<0.73	0.73	04/25/18 04:41	
Nickel	mg/kg	<2.0	2.0	04/25/18 04:41	
Potassium	mg/kg	<244	244	04/25/18 04:41	
Selenium	mg/kg	<0.49	0.49	04/25/18 04:41	
Silver	mg/kg	<0.49	0.49	04/25/18 04:41	
Sodium	mg/kg	<244	244	04/25/18 04:41	
Thallium	mg/kg	<0.49	0.49	04/25/18 04:41	
Vanadium	mg/kg	<2.4	2.4	04/25/18 04:41	
Zinc	mg/kg	<0.98	0.98	04/25/18 04:41	

LABORATORY CONTROL SAMPLE: 296149

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Aluminum	mg/kg	7980	8140	102	47-152	
Antimony	mg/kg	64.9	60.5	93	1-200	
Arsenic	mg/kg	147	151	103	80-120	
Barium	mg/kg	313	322	103	80-120	
Beryllium	mg/kg	53.2	58.5	110	80-120	
Cadmium	mg/kg	192	193	100	80-120	
Calcium	mg/kg	4570	4760	104	80-120	
Chromium	mg/kg	82.4	89.3	108	80-120	
Cobalt	mg/kg	81.1	84.8	105	80-120	
Copper	mg/kg	170	175	103	80-120	
Iron	mg/kg	14100	15800	112	60-140	
Lead	mg/kg	92	98.2	107	80-120	
Magnesium	mg/kg	2230	2400	108	80-120	
Manganese	mg/kg	221	207	94	80-120	

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QUALITY CONTROL DATA

Project: FORMER COYNE TEXTILE FAC.-4/20

Pace Project No.: 7049200

LABORATORY CONTROL SAMPLE: 296149

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nickel	mg/kg	137	141	104	80-120	
Potassium	mg/kg	1990	2090	105	70-130	
Selenium	mg/kg	186	191	103	80-120	
Silver	mg/kg	40.6	47.1	116	80-120	
Sodium	mg/kg	215	<249	89	72-128	
Thallium	mg/kg	153	162	106	80-120	
Vanadium	mg/kg	86.3	90.1	104	80-120	
Zinc	mg/kg	188	192	102	80-120	

MATRIX SPIKE SAMPLE: 296151

Parameter	Units	7049200001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Aluminum	mg/kg	6060	298	7390	447	75-125	M1
Antimony	mg/kg	<3.9	44.7	33.4	75	75-125	
Arsenic	mg/kg	1.8	29.8	28.5	90	75-125	
Barium	mg/kg	22.3	29.8	49.4	91	75-125	
Beryllium	mg/kg	<0.33	3	3.1	95	75-125	
Cadmium	mg/kg	<0.16	3	2.7	91	75-125	
Calcium	mg/kg	2330	1480	6010	248	75-125	M1
Chromium	mg/kg	11.3	14.8	25.9	98	75-125	
Cobalt	mg/kg	6.1	29.8	32.4	88	75-125	
Copper	mg/kg	18.8	14.8	28.4	64	75-125	M1
Iron	mg/kg	11500	119	9870	-1360	75-125	M1
Lead	mg/kg	7.1	29.8	33.2	88	75-125	
Magnesium	mg/kg	3010	1480	5600	174	75-125	M1
Manganese	mg/kg	91.3	14.8	104	85	75-125	
Nickel	mg/kg	16.7	14.8	27.4	72	75-125	M1
Potassium	mg/kg	801	2980	4130	112	75-125	
Selenium	mg/kg	<0.66	44.7	40.5	90	75-125	
Silver	mg/kg	<0.66	14.8	20.8	140	75-125	M1
Sodium	mg/kg	<328	2980	3010	96	75-125	
Thallium	mg/kg	<0.66	44.7	40.5	91	75-125	
Vanadium	mg/kg	15.3	29.8	44.3	98	75-125	
Zinc	mg/kg	31.6	59.5	81.5	84	75-125	

SAMPLE DUPLICATE: 296150

Parameter	Units	7049200001 Result	Dup Result	RPD	Qualifiers
Aluminum	mg/kg	6060	5530	9	
Antimony	mg/kg	<3.9	<3.6		
Arsenic	mg/kg	1.8	1.2	42	D6
Barium	mg/kg	22.3	18.9	17	
Beryllium	mg/kg	<0.33	<0.30		
Cadmium	mg/kg	<0.16	<0.15		

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QUALITY CONTROL DATA

Project: FORMER COYNE TEXTILE FAC.-4/20

Pace Project No.: 7049200

SAMPLE DUPLICATE: 296150

Parameter	Units	7049200001 Result	Dup Result	RPD	Qualifiers
Calcium	mg/kg	2330	3340	36	D6
Chromium	mg/kg	11.3	10.1	12	
Cobalt	mg/kg	6.1	5.5	12	
Copper	mg/kg	18.8	12.6	40	D6
Iron	mg/kg	11500	10200	12	
Lead	mg/kg	7.1	5.9	19	
Magnesium	mg/kg	3010	3490	15	
Manganese	mg/kg	91.3	87.2	5	
Nickel	mg/kg	16.7	14.8	12	
Potassium	mg/kg	801	717	11	
Selenium	mg/kg	<0.66	<0.59		
Silver	mg/kg	<0.66	<0.59		
Sodium	mg/kg	<328	<297		
Thallium	mg/kg	<0.66	<0.59		
Vanadium	mg/kg	15.3	11.7	26	D6
Zinc	mg/kg	31.6	28.5	10	

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QUALITY CONTROL DATA

Project: FORMER COYNE TEXTILE FAC.-4/20

Pace Project No.: 7049200

QC Batch: 65461	Analysis Method: EPA 8260C
QC Batch Method: EPA 5035A-L	Analysis Description: 8260 MSV 5035A-L Low Level
Associated Lab Samples: 7049200001	

METHOD BLANK: 300183 Matrix: Solid

Associated Lab Samples: 7049200001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/kg	<2.0	2.0	04/30/18 11:01	
1,1,2,2-Tetrachloroethane	ug/kg	<2.0	2.0	04/30/18 11:01	
1,1,2-Trichloroethane	ug/kg	<2.0	2.0	04/30/18 11:01	
1,1,2-Trichlorotrifluoroethane	ug/kg	<2.0	2.0	04/30/18 11:01	
1,1-Dichloroethane	ug/kg	<2.0	2.0	04/30/18 11:01	
1,1-Dichloroethene	ug/kg	<2.0	2.0	04/30/18 11:01	
1,2,4-Trichlorobenzene	ug/kg	<2.0	2.0	04/30/18 11:01	
1,2-Dibromo-3-chloropropane	ug/kg	<2.0	2.0	04/30/18 11:01	
1,2-Dibromoethane (EDB)	ug/kg	<2.0	2.0	04/30/18 11:01	
1,2-Dichlorobenzene	ug/kg	<2.0	2.0	04/30/18 11:01	
1,2-Dichloroethane	ug/kg	<2.0	2.0	04/30/18 11:01	
1,2-Dichloropropane	ug/kg	<2.0	2.0	04/30/18 11:01	
1,3-Dichlorobenzene	ug/kg	<2.0	2.0	04/30/18 11:01	
1,4-Dichlorobenzene	ug/kg	<2.0	2.0	04/30/18 11:01	
2-Butanone (MEK)	ug/kg	<2.0	2.0	04/30/18 11:01	
2-Hexanone	ug/kg	<2.0	2.0	04/30/18 11:01	
4-Methyl-2-pentanone (MIBK)	ug/kg	<2.0	2.0	04/30/18 11:01	
Acetone	ug/kg	<2.0	2.0	04/30/18 11:01	
Benzene	ug/kg	<2.0	2.0	04/30/18 11:01	
Bromodichloromethane	ug/kg	<2.0	2.0	04/30/18 11:01	
Bromoform	ug/kg	<2.0	2.0	04/30/18 11:01	
Bromomethane	ug/kg	<2.0	2.0	04/30/18 11:01	
Carbon disulfide	ug/kg	<2.0	2.0	04/30/18 11:01	
Carbon tetrachloride	ug/kg	<2.0	2.0	04/30/18 11:01	
Chlorobenzene	ug/kg	<2.0	2.0	04/30/18 11:01	
Chloroethane	ug/kg	<2.0	2.0	04/30/18 11:01	
Chloroform	ug/kg	<2.0	2.0	04/30/18 11:01	
Chloromethane	ug/kg	<2.0	2.0	04/30/18 11:01	
cis-1,2-Dichloroethene	ug/kg	<2.0	2.0	04/30/18 11:01	
cis-1,3-Dichloropropene	ug/kg	<2.0	2.0	04/30/18 11:01	
Cyclohexane	ug/kg	<2.0	2.0	04/30/18 11:01	
Dibromochloromethane	ug/kg	<2.0	2.0	04/30/18 11:01	
Dichlorodifluoromethane	ug/kg	<2.0	2.0	04/30/18 11:01	IL
Ethylbenzene	ug/kg	<2.0	2.0	04/30/18 11:01	
Isopropylbenzene (Cumene)	ug/kg	<2.0	2.0	04/30/18 11:01	
Methyl acetate	ug/kg	<2.0	2.0	04/30/18 11:01	
Methyl-tert-butyl ether	ug/kg	<2.0	2.0	04/30/18 11:01	
Methylcyclohexane	ug/kg	<2.0	2.0	04/30/18 11:01	
Methylene Chloride	ug/kg	<2.0	2.0	04/30/18 11:01	
Styrene	ug/kg	<2.0	2.0	04/30/18 11:01	
Tetrachloroethene	ug/kg	<2.0	2.0	04/30/18 11:01	

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QUALITY CONTROL DATA

Project: FORMER COYNE TEXTILE FAC.-4/20

Pace Project No.: 7049200

METHOD BLANK: 300183

Matrix: Solid

Associated Lab Samples: 7049200001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Toluene	ug/kg	<2.0	2.0	04/30/18 11:01	
trans-1,2-Dichloroethene	ug/kg	<2.0	2.0	04/30/18 11:01	
trans-1,3-Dichloropropene	ug/kg	<2.0	2.0	04/30/18 11:01	
Trichloroethene	ug/kg	<2.0	2.0	04/30/18 11:01	
Trichlorofluoromethane	ug/kg	<2.0	2.0	04/30/18 11:01	
Vinyl chloride	ug/kg	<2.0	2.0	04/30/18 11:01	
Xylene (Total)	ug/kg	<3.9	3.9	04/30/18 11:01	
1,2-Dichloroethane-d4 (S)	%	93	33-150	04/30/18 11:01	
4-Bromofluorobenzene (S)	%	102	34-145	04/30/18 11:01	
Toluene-d8 (S)	%	95	43-157	04/30/18 11:01	

LABORATORY CONTROL SAMPLE: 300184

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/kg	50.4	49.5	98	59-134	
1,1,2,2-Tetrachloroethane	ug/kg	50.4	44.8	89	69-132	
1,1,2-Trichloroethane	ug/kg	50.4	49.8	99	73-135	
1,1,2-Trichlorotrifluoroethane	ug/kg	50.4	50.5	100	45-156	
1,1-Dichloroethane	ug/kg	50.4	53.3	106	53-160	
1,1-Dichloroethene	ug/kg	50.4	53.4	106	47-152	CH
1,2,4-Trichlorobenzene	ug/kg	50.4	49.5	98	52-140	
1,2-Dibromo-3-chloropropane	ug/kg	50.4	48.2	96	57-140	
1,2-Dibromoethane (EDB)	ug/kg	50.4	52.7	105	76-138	
1,2-Dichlorobenzene	ug/kg	50.4	48.3	96	67-125	
1,2-Dichloroethane	ug/kg	50.4	51.6	102	65-143	
1,2-Dichloropropane	ug/kg	50.4	49.1	97	72-131	
1,3-Dichlorobenzene	ug/kg	50.4	47.0	93	64-124	
1,4-Dichlorobenzene	ug/kg	50.4	47.8	95	61-127	
2-Butanone (MEK)	ug/kg	50.4	43.0	85	52-164	
2-Hexanone	ug/kg	50.4	45.8	91	66-151	
4-Methyl-2-pentanone (MIBK)	ug/kg	50.4	45.7	91	63-154	
Acetone	ug/kg	50.4	56.6	112	23-196	CH
Benzene	ug/kg	50.4	53.5	106	65-129	
Bromodichloromethane	ug/kg	50.4	52.3	104	74-141	
Bromoform	ug/kg	50.4	51.2	102	59-136	
Bromomethane	ug/kg	50.4	56.4	112	32-182	CH
Carbon disulfide	ug/kg	50.4	53.5	106	26-160	CH
Carbon tetrachloride	ug/kg	50.4	47.2	94	57-135	
Chlorobenzene	ug/kg	50.4	47.0	93	62-136	
Chloroethane	ug/kg	50.4	55.3	110	50-159	CH
Chloroform	ug/kg	50.4	55.5	110	71-135	
Chloromethane	ug/kg	50.4	47.0	93	44-139	
cis-1,2-Dichloroethene	ug/kg	50.4	53.7	107	75-130	
cis-1,3-Dichloropropene	ug/kg	50.4	51.1	101	74-140	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: FORMER COYNE TEXTILE FAC.-4/20

Pace Project No.: 7049200

LABORATORY CONTROL SAMPLE: 300184

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Cyclohexane	ug/kg	50.4	54.5	108	21-139	
Dibromochloromethane	ug/kg	50.4	48.9	97	71-133	
Dichlorodifluoromethane	ug/kg	50.4	49.5	98	10-155	IL
Ethylbenzene	ug/kg	50.4	47.2	94	59-135	
Isopropylbenzene (Cumene)	ug/kg	50.4	46.1	92	56-129	
Methyl acetate	ug/kg	50.4	50.0	99	33-176	
Methyl-tert-butyl ether	ug/kg	50.4	46.3	92	25-171	
Methylcyclohexane	ug/kg	50.4	51.1	101	24-141	
Methylene Chloride	ug/kg	50.4	54.3	108	50-164	
Styrene	ug/kg	50.4	48.4	96	73-133	
Tetrachloroethane	ug/kg	50.4	46.3	92	10-176	
Toluene	ug/kg	50.4	49.7	99	66-131	
trans-1,2-Dichloroethene	ug/kg	50.4	53.2	106	53-157	
trans-1,3-Dichloropropene	ug/kg	50.4	53.7	107	66-144	
Trichloroethene	ug/kg	50.4	49.1	97	62-130	
Trichlorofluoromethane	ug/kg	50.4	49.8	99	38-166	CH
Vinyl chloride	ug/kg	50.4	51.2	102	45-137	CH
Xylene (Total)	ug/kg	151	142	94	62-135	
1,2-Dichloroethane-d4 (S)	%			97	33-150	
4-Bromofluorobenzene (S)	%			103	34-145	
Toluene-d8 (S)	%			97	43-157	

SAMPLE DUPLICATE: 300185

Parameter	Units	7049227003 Result	Dup Result	RPD	Qualifiers
1,1,1-Trichloroethane	ug/kg	<1.4	<2.0		
1,1,2,2-Tetrachloroethane	ug/kg	<1.4	<2.0		
1,1,2-Trichloroethane	ug/kg	<1.4	<2.0		
1,1,2-Trichlorotrifluoroethane	ug/kg	<1.4	<2.0		
1,1-Dichloroethane	ug/kg	<1.4	<2.0		
1,1-Dichloroethene	ug/kg	<1.4	<2.0		
1,2,4-Trichlorobenzene	ug/kg	<1.4	<2.0		
1,2-Dibromo-3-chloropropane	ug/kg	<1.4	<2.0		
1,2-Dibromoethane (EDB)	ug/kg	<1.4	<2.0		
1,2-Dichlorobenzene	ug/kg	<1.4	<2.0		
1,2-Dichloroethane	ug/kg	<1.4	<2.0		
1,2-Dichloropropane	ug/kg	<1.4	<2.0		
1,3-Dichlorobenzene	ug/kg	<1.4	<2.0		
1,4-Dichlorobenzene	ug/kg	<1.4	<2.0		
2-Butanone (MEK)	ug/kg	<1.4	<2.0		
2-Hexanone	ug/kg	<1.4	<2.0		
4-Methyl-2-pentanone (MIBK)	ug/kg	<1.4	<2.0		
Acetone	ug/kg	<1.4	<2.0		
Benzene	ug/kg	<1.4	<2.0		
Bromodichloromethane	ug/kg	<1.4	<2.0		

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QUALITY CONTROL DATA

Project: FORMER COYNE TEXTILE FAC.-4/20

Pace Project No.: 7049200

SAMPLE DUPLICATE: 300185

Parameter	Units	7049227003 Result	Dup Result	RPD	Qualifiers
Bromoform	ug/kg	<1.4	<2.0		
Bromomethane	ug/kg	<1.4	<2.0		
Carbon disulfide	ug/kg	<1.4	<2.0		
Carbon tetrachloride	ug/kg	<1.4	<2.0		
Chlorobenzene	ug/kg	<1.4	<2.0		
Chloroethane	ug/kg	<1.4	<2.0		
Chloroform	ug/kg	<1.4	<2.0		
Chloromethane	ug/kg	<1.4	<2.0		
cis-1,2-Dichloroethene	ug/kg	<1.4	<2.0		
cis-1,3-Dichloropropene	ug/kg	<1.4	<2.0		
Cyclohexane	ug/kg	<1.4	<2.0		
Dibromochloromethane	ug/kg	<1.4	<2.0		
Dichlorodifluoromethane	ug/kg	<1.4	<2.0		IL
Ethylbenzene	ug/kg	<1.4	<2.0		
Isopropylbenzene (Cumene)	ug/kg	<1.4	<2.0		
Methyl acetate	ug/kg	<1.4	<2.0		
Methyl-tert-butyl ether	ug/kg	<1.4	<2.0		
Methylcyclohexane	ug/kg	<1.4	<2.0		
Methylene Chloride	ug/kg	<1.4	<2.0		
Styrene	ug/kg	<1.4	<2.0		
Tetrachloroethene	ug/kg	<1.4	<2.0		
Toluene	ug/kg	<1.4	<2.0		
trans-1,2-Dichloroethene	ug/kg	<1.4	<2.0		
trans-1,3-Dichloropropene	ug/kg	<1.4	<2.0		
Trichloroethene	ug/kg	<1.4	<2.0		
Trichlorofluoromethane	ug/kg	<1.4	<2.0		
Vinyl chloride	ug/kg	<1.4	<2.0		
Xylene (Total)	ug/kg	<2.7	<4.1		
1,2-Dichloroethane-d4 (S)	%	104	121	54	
4-Bromofluorobenzene (S)	%	82	69	22	
Toluene-d8 (S)	%	107	134	61	

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QUALITY CONTROL DATA

Project: FORMER COYNE TEXTILE FAC.-4/20

Pace Project No.: 7049200

QC Batch: 64818	Analysis Method: EPA 8082A
QC Batch Method: EPA 3546	Analysis Description: 8082 GCS PCB
Associated Lab Samples: 7049200001	

METHOD BLANK: 297394 Matrix: Solid

Associated Lab Samples: 7049200001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
PCB-1016 (Aroclor 1016)	ug/kg	<33.0	33.0	04/26/18 11:13	
PCB-1221 (Aroclor 1221)	ug/kg	<67.0	67.0	04/26/18 11:13	
PCB-1232 (Aroclor 1232)	ug/kg	<33.0	33.0	04/26/18 11:13	
PCB-1242 (Aroclor 1242)	ug/kg	<33.0	33.0	04/26/18 11:13	
PCB-1248 (Aroclor 1248)	ug/kg	<33.0	33.0	04/26/18 11:13	
PCB-1254 (Aroclor 1254)	ug/kg	<33.0	33.0	04/26/18 11:13	
PCB-1260 (Aroclor 1260)	ug/kg	<33.0	33.0	04/26/18 11:13	
Decachlorobiphenyl (S)	%	86	30-150	04/26/18 11:13	
Tetrachloro-m-xylene (S)	%	72	30-150	04/26/18 11:13	

LABORATORY CONTROL SAMPLE: 297395

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
PCB-1016 (Aroclor 1016)	ug/kg	167	124	74	50-136	
PCB-1260 (Aroclor 1260)	ug/kg	167	139	84	45-154	
Decachlorobiphenyl (S)	%			89	30-150	
Tetrachloro-m-xylene (S)	%			76	30-150	

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QUALITY CONTROL DATA

Project: FORMER COYNE TEXTILE FAC.-4/20

Pace Project No.: 7049200

QC Batch: 64532 Analysis Method: EPA 8270D
QC Batch Method: EPA 3545A Analysis Description: 8270 Solid MSSV
Associated Lab Samples: 7049200001

METHOD BLANK: 296134 Matrix: Solid

Associated Lab Samples: 7049200001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,2,4-Trichlorobenzene	ug/kg	<67.0	67.0	04/24/18 17:17	
2,2'-Oxybis(1-chloropropane)	ug/kg	<67.0	67.0	04/24/18 17:17	CL
2,4,5-Trichlorophenol	ug/kg	<67.0	67.0	04/24/18 17:17	
2,4,6-Trichlorophenol	ug/kg	<67.0	67.0	04/24/18 17:17	
2,4-Dichlorophenol	ug/kg	<67.0	67.0	04/24/18 17:17	
2,4-Dimethylphenol	ug/kg	<67.0	67.0	04/24/18 17:17	
2,4-Dinitrophenol	ug/kg	<67.0	670	04/24/18 17:17	
2,4-Dinitrotoluene	ug/kg	<330	330	04/24/18 17:17	
2,6-Dinitrotoluene	ug/kg	<330	330	04/24/18 17:17	
2-Chloronaphthalene	ug/kg	<67.0	67.0	04/24/18 17:17	
2-Chlorophenol	ug/kg	<67.0	67.0	04/24/18 17:17	
2-Methylnaphthalene	ug/kg	<67.0	67.0	04/24/18 17:17	
2-Methylphenol(o-Cresol)	ug/kg	<67.0	67.0	04/24/18 17:17	
2-Nitroaniline	ug/kg	<330	330	04/24/18 17:17	
2-Nitrophenol	ug/kg	<330	330	04/24/18 17:17	
3&4-Methylphenol(m&p Cresol)	ug/kg	<67.0	67.0	04/24/18 17:17	
3,3'-Dichlorobenzidine	ug/kg	<330	330	04/24/18 17:17	
3-Nitroaniline	ug/kg	<330	330	04/24/18 17:17	
4,6-Dinitro-2-methylphenol	ug/kg	<670	670	04/24/18 17:17	
4-Bromophenylphenyl ether	ug/kg	<67.0	67.0	04/24/18 17:17	
4-Chloro-3-methylphenol	ug/kg	<67.0	67.0	04/24/18 17:17	
4-Chloroaniline	ug/kg	<330	330	04/24/18 17:17	
4-Chlorophenylphenyl ether	ug/kg	<67.0	67.0	04/24/18 17:17	
4-Nitroaniline	ug/kg	<330	330	04/24/18 17:17	
4-Nitrophenol	ug/kg	<670	670	04/24/18 17:17	
Acenaphthene	ug/kg	<67.0	67.0	04/24/18 17:17	
Acenaphthylene	ug/kg	<67.0	67.0	04/24/18 17:17	
Acetophenone	ug/kg	<67.0	67.0	04/24/18 17:17	
Anthracene	ug/kg	<67.0	67.0	04/24/18 17:17	
Atrazine	ug/kg	<67.0	67.0	04/24/18 17:17	
Benzaldehyde	ug/kg	<67.0	67.0	04/24/18 17:17	CL
Benzo(a)anthracene	ug/kg	<67.0	67.0	04/24/18 17:17	
Benzo(a)pyrene	ug/kg	<67.0	67.0	04/24/18 17:17	
Benzo(b)fluoranthene	ug/kg	<67.0	67.0	04/24/18 17:17	
Benzo(g,h,i)perylene	ug/kg	<67.0	67.0	04/24/18 17:17	
Benzo(k)fluoranthene	ug/kg	<67.0	67.0	04/24/18 17:17	
Biphenyl (Diphenyl)	ug/kg	<67.0	67.0	04/24/18 17:17	
bis(2-Chloroethoxy)methane	ug/kg	<67.0	67.0	04/24/18 17:17	
bis(2-Chloroethyl) ether	ug/kg	<67.0	67.0	04/24/18 17:17	CL
bis(2-Ethylhexyl)phthalate	ug/kg	<67.0	67.0	04/24/18 17:17	
Butylbenzylphthalate	ug/kg	<67.0	67.0	04/24/18 17:17	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: FORMER COYNE TEXTILE FAC.-4/20

Pace Project No.: 7049200

METHOD BLANK: 296134

Matrix: Solid

Associated Lab Samples: 7049200001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Caprolactam	ug/kg	<67.0	67.0	04/24/18 17:17	
Carbazole	ug/kg	<67.0	67.0	04/24/18 17:17	
Chrysene	ug/kg	<67.0	67.0	04/24/18 17:17	
Di-n-butylphthalate	ug/kg	<67.0	67.0	04/24/18 17:17	
Di-n-octylphthalate	ug/kg	<67.0	67.0	04/24/18 17:17	
Dibenz(a,h)anthracene	ug/kg	<67.0	67.0	04/24/18 17:17	
Dibenzofuran	ug/kg	<67.0	67.0	04/24/18 17:17	
Diethylphthalate	ug/kg	<67.0	67.0	04/24/18 17:17	
Dimethylphthalate	ug/kg	<67.0	67.0	04/24/18 17:17	
Fluoranthene	ug/kg	<67.0	67.0	04/24/18 17:17	
Fluorene	ug/kg	<67.0	67.0	04/24/18 17:17	
Hexachloro-1,3-butadiene	ug/kg	<67.0	67.0	04/24/18 17:17	
Hexachlorobenzene	ug/kg	<67.0	67.0	04/24/18 17:17	
Hexachlorocyclopentadiene	ug/kg	<330	330	04/24/18 17:17	CL
Hexachloroethane	ug/kg	<67.0	67.0	04/24/18 17:17	
Indeno(1,2,3-cd)pyrene	ug/kg	<67.0	67.0	04/24/18 17:17	
Isophorone	ug/kg	<67.0	67.0	04/24/18 17:17	
N-Nitroso-di-n-propylamine	ug/kg	<67.0	67.0	04/24/18 17:17	
N-Nitrosodiphenylamine	ug/kg	<67.0	67.0	04/24/18 17:17	
Naphthalene	ug/kg	<67.0	67.0	04/24/18 17:17	
Nitrobenzene	ug/kg	<67.0	67.0	04/24/18 17:17	
Pentachlorophenol	ug/kg	<670	670	04/24/18 17:17	
Phenanthrene	ug/kg	<67.0	67.0	04/24/18 17:17	
Phenol	ug/kg	<67.0	67.0	04/24/18 17:17	
Pyrene	ug/kg	<67.0	67.0	04/24/18 17:17	
1,2-Dichlorobenzene-d4 (S)	%	56	20-130	04/24/18 17:17	
2,4,6-Tribromophenol (S)	%	63	19-122	04/24/18 17:17	
2-Chlorophenol-d4 (S)	%	57	20-130	04/24/18 17:17	
2-Fluorobiphenyl (S)	%	64	30-115	04/24/18 17:17	
2-Fluorophenol (S)	%	48	25-121	04/24/18 17:17	
Nitrobenzene-d5 (S)	%	70	23-120	04/24/18 17:17	
p-Terphenyl-d14 (S)	%	72	18-137	04/24/18 17:17	
Phenol-d5 (S)	%	57	24-113	04/24/18 17:17	

LABORATORY CONTROL SAMPLE: 296135

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2,4-Trichlorobenzene	ug/kg	1670	1020	61	35-110	
2,2'-Oxybis(1-chloropropane)	ug/kg	1670	717	43	33-116	CL
2,4,5-Trichlorophenol	ug/kg	1670	982	59	45-111	
2,4,6-Trichlorophenol	ug/kg	1670	894	54	45-110	
2,4-Dichlorophenol	ug/kg	1670	1040	62	41-117	
2,4-Dimethylphenol	ug/kg	1670	1080	65	24-96	
2,4-Dinitrophenol	ug/kg	1670	<670	17	10-80	

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QUALITY CONTROL DATA

Project: FORMER COYNE TEXTILE FAC.-4/20

Pace Project No.: 7049200

LABORATORY CONTROL SAMPLE: 296135

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
2,4-Dinitrotoluene	ug/kg	1670	1020	61	49-112	
2,6-Dinitrotoluene	ug/kg	1670	987	59	50-109	
2-Chloronaphthalene	ug/kg	1670	940	56	35-107	
2-Chlorophenol	ug/kg	1670	910	55	36-109	
2-Methylnaphthalene	ug/kg	1670	896	54	31-135	
2-Methylphenol(o-Cresol)	ug/kg	1670	863	52	36-104	
2-Nitroaniline	ug/kg	1670	696	42	42-118	
2-Nitrophenol	ug/kg	1670	984	59	36-117	
3&4-Methylphenol(m&p Cresol)	ug/kg	1670	937	56	37-137	
3,3'-Dichlorobenzidine	ug/kg	1670	947	57	41-116	
3-Nitroaniline	ug/kg	1670	751	45	40-95	
4,6-Dinitro-2-methylphenol	ug/kg	1670	<670	6	16-104	L2
4-Bromophenylphenyl ether	ug/kg	1670	1040	62	50-116	
4-Chloro-3-methylphenol	ug/kg	1670	895	54	45-118	
4-Chloroaniline	ug/kg	1670	833	50	29-88	
4-Chlorophenylphenyl ether	ug/kg	1670	1050	63	48-111	
4-Nitroaniline	ug/kg	1670	749	45	46-110	L2
4-Nitrophenol	ug/kg	1670	713	43	26-118	
Acenaphthene	ug/kg	1670	927	56	45-109	
Acenaphthylene	ug/kg	1670	957	57	43-107	
Acetophenone	ug/kg	1670	971	58	10-132	
Anthracene	ug/kg	1670	1010	60	50-117	
Atrazine	ug/kg	1670	1210	72	40-120	
Benzaldehyde	ug/kg	1670	146	9	40-140	CL,L2
Benzo(a)anthracene	ug/kg	1670	1010	60	52-116	
Benzo(a)pyrene	ug/kg	1670	1100	66	56-119	
Benzo(b)fluoranthene	ug/kg	1670	1080	65	45-122	
Benzo(g,h,i)perylene	ug/kg	1670	1250	75	30-107	
Benzo(k)fluoranthene	ug/kg	1670	1100	66	54-124	
Biphenyl (Diphenyl)	ug/kg	1670	962	58	40-120	
bis(2-Chloroethoxy)methane	ug/kg	1670	899	54	29-112	
bis(2-Chloroethyl) ether	ug/kg	1670	725	43	32-116	CL
bis(2-Ethylhexyl)phthalate	ug/kg	1670	879	53	60-127	L2
Butylbenzylphthalate	ug/kg	1670	873	52	54-130	L2
Caprolactam	ug/kg	1670	838	50	40-120	
Carbazole	ug/kg	1670	1000	60	40-120	
Chrysene	ug/kg	1670	987	59	48-121	
Di-n-butylphthalate	ug/kg	1670	954	57	53-124	
Di-n-octylphthalate	ug/kg	1670	982	59	46-141	
Dibenz(a,h)anthracene	ug/kg	1670	1100	66	52-109	
Dibenzofuran	ug/kg	1670	997	60	48-112	
Diethylphthalate	ug/kg	1670	999	60	51-114	
Dimethylphthalate	ug/kg	1670	976	59	49-112	
Fluoranthene	ug/kg	1670	1070	64	45-126	
Fluorene	ug/kg	1670	981	59	47-108	
Hexachloro-1,3-butadiene	ug/kg	1670	978	59	36-118	
Hexachlorobenzene	ug/kg	1670	1150	69	51-110	

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QUALITY CONTROL DATA

Project: FORMER COYNE TEXTILE FAC.-4/20

Pace Project No.: 7049200

LABORATORY CONTROL SAMPLE: 296135

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Hexachlorocyclopentadiene	ug/kg	1670	563	34	10-97	CL
Hexachloroethane	ug/kg	1670	944	57	34-105	
Indeno(1,2,3-cd)pyrene	ug/kg	1670	1300	78	50-108	
Isophorone	ug/kg	1670	998	60	14-129	
N-Nitroso-di-n-propylamine	ug/kg	1670	883	53	33-109	
N-Nitrosodiphenylamine	ug/kg	1670	991	59	39-90	
Naphthalene	ug/kg	1670	996	60	18-142	
Nitrobenzene	ug/kg	1670	966	58	36-119	
Pentachlorophenol	ug/kg	1670	<670	36	22-115	CH
Phenanthrene	ug/kg	1670	1010	60	47-124	
Phenol	ug/kg	1670	919	55	38-104	
Pyrene	ug/kg	1670	964	58	49-132	
1,2-Dichlorobenzene-d4 (S)	%			51	20-130	
2,4,6-Tribromophenol (S)	%			67	19-122	
2-Chlorophenol-d4 (S)	%			54	20-130	
2-Fluorobiphenyl (S)	%			56	30-115	
2-Fluorophenol (S)	%			50	25-121	
Nitrobenzene-d5 (S)	%			56	23-120	
p-Terphenyl-d14 (S)	%			60	18-137	
Phenol-d5 (S)	%			52	24-113	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 296146 296147

Parameter	Units	7048991001		MS	MSD	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Qual
		Result	Spike Conc.	Spike Conc.	MSD Conc.							
1,2,4-Trichlorobenzene	ug/kg	<73.7	1830	1830	1830	1150	1160	63	63	35-110	1	
2,2'-Oxybis(1-chloropropane)	ug/kg	<73.7	1830	1830	1830	867	597	47	33	33-116	37	CL,R1
2,4,5-Trichlorophenol	ug/kg	<73.7	1830	1830	1830	1400	1330	76	73	45-111	5	
2,4,6-Trichlorophenol	ug/kg	<73.7	1830	1830	1830	1250	1250	68	68	45-110	0	
2,4-Dichlorophenol	ug/kg	<73.7	1830	1830	1830	1240	1270	68	69	41-117	2	
2,4-Dimethylphenol	ug/kg	<73.7	1830	1830	1830	1250	1100	68	60	24-96	13	
2,4-Dinitrophenol	ug/kg	<737	1830	1830	1830	<736	<735	29	26	10-80		
2,4-Dinitrotoluene	ug/kg	<363	1830	1830	1830	1180	1130	65	62	49-112	4	
2,6-Dinitrotoluene	ug/kg	<363	1830	1830	1830	1180	1130	64	62	50-109	4	
2-Chloronaphthalene	ug/kg	<73.7	1830	1830	1830	1110	1080	61	59	35-107	2	
2-Chlorophenol	ug/kg	<73.7	1830	1830	1830	1080	1200	59	66	36-109	10	
2-Methylnaphthalene	ug/kg	<73.7	1830	1830	1830	1160	1210	63	66	31-135	5	
2-Methylphenol(o-Cresol)	ug/kg	<73.7	1830	1830	1830	1170	1230	64	67	36-104	5	
2-Nitroaniline	ug/kg	<363	1830	1830	1830	869	825	48	45	42-118	5	
2-Nitrophenol	ug/kg	<363	1830	1830	1830	1130	1110	62	61	36-117	2	
3&4-Methylphenol(m&p Cresol)	ug/kg	<73.7	1830	1830	1830	1080	1020	59	56	37-137	6	
3,3'-Dichlorobenzidine	ug/kg	<363	1830	1830	1830	<362	454	18	25	41-116		M1
3-Nitroaniline	ug/kg	<363	1830	1830	1830	897	913	49	50	40-95	2	
4,6-Dinitro-2-methylphenol	ug/kg	<737	1830	1830	1830	<736	<735	24	19	16-104		

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: FORMER COYNE TEXTILE FAC.-4/20

Pace Project No.: 7049200

Parameter	Units	7048991001		MS		MSD		MS		MSD		% Rec	Limits	RPD	Qual
		Result	Conc.	Spike Conc.	MS Result	MSD Result	% Rec	% Rec							
MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 296146 296147															
4-Bromophenylphenyl ether	ug/kg	<73.7	1830	1830	1290	1300	70	71	50-116	1					
4-Chloro-3-methylphenol	ug/kg	<73.7	1830	1830	1340	1160	73	64	45-118	14					
4-Chloroaniline	ug/kg	<363	1830	1830	635	636	35	35	29-88	0					
4-Chlorophenylphenyl ether	ug/kg	<73.7	1830	1830	1330	1260	72	69	48-111	5					
4-Nitroaniline	ug/kg	<363	1830	1830	1050	1050	57	57	46-110	0					
4-Nitrophenol	ug/kg	<737	1830	1830	1040	909	57	50	26-118	13					
Acenaphthene	ug/kg	<73.7	1830	1830	1180	1120	64	61	45-109	5					
Acenaphthylene	ug/kg	<73.7	1830	1830	1200	1150	66	63	43-107	5					
Acetophenone	ug/kg	<73.7	1830	1830	1170	1030	64	57	10-132	12					
Anthracene	ug/kg	<73.7	1830	1830	1240	1220	68	66	50-117	2					
Atrazine	ug/kg	<73.7	1830	1830	1420	1340	78	73	40-120	6					
Benzaldehyde	ug/kg	<73.7	1830	1830	696	949	38	52	40-140	31	CL,M0,R1				
Benzo(a)anthracene	ug/kg	<73.7	1830	1830	1230	1190	67	65	52-116	3					
Benzo(a)pyrene	ug/kg	74.5	1830	1830	1270	1220	66	62	56-119	5					
Benzo(b)fluoranthene	ug/kg	122	1830	1830	1590	1470	80	74	45-122	8					
Benzo(g,h,i)perylene	ug/kg	<73.7	1830	1830	785	696	43	38	30-107	12					
Benzo(k)fluoranthene	ug/kg	<73.7	1830	1830	1550	1570	85	86	54-124	1					
Biphenyl (Diphenyl)	ug/kg	<73.7	1830	1830	1200	1170	66	64	40-120	3					
bis(2-Chloroethoxy)methane	ug/kg	<73.7	1830	1830	976	861	53	47	29-112	12					
bis(2-Chloroethyl) ether	ug/kg	<73.7	1830	1830	848	947	46	52	32-116	11	CL				
bis(2-Ethylhexyl)phthalate	ug/kg	467	1830	1830	1490	1530	56	58	60-127	2	M0				
Butylbenzylphthalate	ug/kg	273	1830	1830	1330	1390	58	61	54-130	4					
Caprolactam	ug/kg	<73.7	1830	1830	1170	1080	64	59	40-120	9					
Carbazole	ug/kg	<73.7	1830	1830	1190	1190	65	65	40-120	0					
Chrysene	ug/kg	87.8	1830	1830	1270	1230	65	62	48-121	3					
Di-n-butylphthalate	ug/kg	<73.7	1830	1830	1140	1130	62	62	53-124	1					
Di-n-octylphthalate	ug/kg	<73.7	1830	1830	1800	1900	98	104	46-141	5					
Dibenz(a,h)anthracene	ug/kg	<73.7	1830	1830	816	767	45	42	52-109	6	M1				
Dibenzofuran	ug/kg	<73.7	1830	1830	1230	1210	67	66	48-112	2					
Diethylphthalate	ug/kg	<73.7	1830	1830	1220	1160	67	64	51-114	5					
Dimethylphthalate	ug/kg	<73.7	1830	1830	1190	1130	65	62	49-112	5					
Fluoranthene	ug/kg	169	1830	1830	1290	1270	61	60	45-126	2					
Fluorene	ug/kg	<73.7	1830	1830	1240	1190	68	65	47-108	4					
Hexachloro-1,3-butadiene	ug/kg	<73.7	1830	1830	1230	1240	67	68	36-118	1					
Hexachlorobenzene	ug/kg	<73.7	1830	1830	1370	1330	75	73	51-110	3					
Hexachlorocyclopentadiene	ug/kg	<363	1830	1830	<362	<362	0	0	10-97		CL,M1				
Hexachloroethane	ug/kg	<73.7	1830	1830	1010	878	55	48	34-105	14					
Indeno(1,2,3-cd)pyrene	ug/kg	<73.7	1830	1830	914	852	50	47	50-108	7	M1				
Isophorone	ug/kg	<73.7	1830	1830	1120	946	61	52	14-129	17					
N-Nitroso-di-n-propylamine	ug/kg	<73.7	1830	1830	1100	859	60	47	33-109	25					
N-Nitrosodiphenylamine	ug/kg	<73.7	1830	1830	1240	1210	68	66	39-90	3					
Naphthalene	ug/kg	<73.7	1830	1830	1170	1130	64	62	18-142	3					
Nitrobenzene	ug/kg	<73.7	1830	1830	1110	852	61	47	36-119	27					
Pentachlorophenol	ug/kg	<737	1830	1830	1310	1360	72	74	22-115	3	CH				
Phenanthrene	ug/kg	<73.7	1830	1830	1310	1270	71	69	47-124	3					
Phenol	ug/kg	<73.7	1830	1830	1100	1230	60	67	38-104	12					

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: FORMER COYNE TEXTILE FAC.-4/20

Pace Project No.: 7049200

Parameter	Units	296146		296147		MS % Rec	MSD % Rec	% Rec Limits	RPD	Qual
		7048991001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result					
Pyrene	ug/kg	131	1830	1830	1300	1300	64	64	49-132	0
1,2-Dichlorobenzene-d4 (S)	%						54	55	20-130	
2,4,6-Tribromophenol (S)	%						85	80	19-122	
2-Chlorophenol-d4 (S)	%						60	68	20-130	
2-Fluorobiphenyl (S)	%						65	63	30-115	
2-Fluorophenol (S)	%						53	57	25-121	
Nitrobenzene-d5 (S)	%						58	48	23-120	
p-Terphenyl-d14 (S)	%						70	71	18-137	
Phenol-d5 (S)	%						57	64	24-113	

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QUALITY CONTROL DATA

Project: FORMER COYNE TEXTILE FAC.-4/20

Pace Project No.: 7049200

QC Batch: 64842	Analysis Method: ASTM D2216-92M
QC Batch Method: ASTM D2216-92M	Analysis Description: Dry Weight/Percent Moisture
Associated Lab Samples: 7049200001	

SAMPLE DUPLICATE: 297532

Parameter	Units	7049200001 Result	Dup Result	RPD	Qualifiers
Percent Moisture	%	20.5	20.5	0	

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QUALIFIERS

Project: FORMER COYNE TEXTILE FAC.-4/20

Pace Project No.: 7049200

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

CH	The continuing calibration for this compound is outside of Pace Analytical acceptance limits. The results may be biased high.
CL	The continuing calibration for this compound is outside of Pace Analytical acceptance limits. The results may be biased low.
D6	The precision between the sample and sample duplicate exceeded laboratory control limits.
IL	This analyte exceeded secondary source verification criteria low for the initial calibration. The reported results should be considered an estimated value.
L2	Analyte recovery in the laboratory control sample (LCS) was below QC limits. Results for this analyte in associated samples may be biased low.
M0	Matrix spike recovery and/or matrix spike duplicate recovery was outside laboratory control limits.
M1	Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.
R1	RPD value was outside control limits.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: FORMER COYNE TEXTILE FAC.-4/20

Pace Project No.: 7049200

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
7049200001	SOIL-107	EPA 3546	64818	EPA 8082A	65009
7049200001	SOIL-107	EPA 3050B	64535	EPA 6010C	64557
7049200001	SOIL-107	EPA 7471B	64543	EPA 7471B	64556
7049200001	SOIL-107	EPA 3545A	64532	EPA 8270D	64654
7049200001	SOIL-107	EPA 5035A-L	65461	EPA 8260C	65463
7049200001	SOIL-107	ASTM D2216-92M	64842		

REPORT OF LABORATORY ANALYSIS

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CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be

WO# : 7049200

Section A
Required Client Information:
Company: **CHA Consulting**
Address: **300 S. State St. Suite 600 Syracuse, NY 13202**
Phone: **315 451-1250** Fax: **standard**
Email To: **kenman@chaconsulting.com**

Section B
Required Project Information:
Report To: **Karyn Ehmann**
Copy To: **Sam Miller**
Purchase Order No.:
Project Name: **Former Coyne Textile Facility**
Project Number: **33525.1002.46000**

Section C
Invoice Information:
Attention:
Company Name:
Address:
Pace Quote Reference:
Pace Project Manager:
Pace Profile #:

REGULATORY AGENCY
 NPDES GROUND WATER DRINKING WATER
 UST RCRA OTHER
 Site Location STATE: **NY**



ITEM #	Section D Required Client Information	Matrix Codes MATRIX / CODE	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED		SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives	ACCEPTED BY / AFFILIATION	DATE	TIME	DATE	TIME	SAMPLE CONDITIONS	
					COMPOSITE START	COMPOSITE END/GRAB										
1	SOIL - 107	DW WT WW P SL OL WP AR TSS OT	SL G	G		DATE	TIME									
2						4/20	1300	8	Unpreserved		4/20/18	15:20	4/20/18	15:20		
3																
4																
5																
6																
7																
8																
9																
10																
11																
12																

Requested Analysis Filtered (Y/N)

Y	N	Analysis Test ↑	TCL VOC Below	TAL Metals	TCL SVOC 8270	PCB	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
								001

TEMPERATURE
Temp in °C

SAMPLER NAME AND SIGNATURE
 PRINT Name of SAMPLER: **Karyn Ehmann**
 SIGNATURE of SAMPLER: *[Signature]*
 DATE Signed (MM/DD/YYYY): **4/20/2018**



Sample Condition Upon Receipt

Client Name: CHA

Proc

WO#: 7049200

PM: JM2 Due Date: 04/30/18
CLIENT: CHA

Courier: Fed Ex UPS USPS Client Commercial Pace Other

Tracking #: 7700 5406 3632

Custody Seal on Cooler/Box Present: Yes No Seals intact: Yes No

Packing Material: Bubble Wrap Bubble Bags Ziploc None Other

Thermometer Used: TH091

Correction Factor: 0.0

Cooler Temperature (°C): 5.4

Cooler Temperature Corrected (°C): 5.4

Temp should be above freezing to 6.0°C

USDA Regulated Soil (N/A, water sample)

Date and Initials of person examining contents: JK 4/21/18

Did samples originate in a quarantine zone within the United States: AL, AR, CA, FL, GA, ID, LA, MS, NC, NM, NY, OK, OR, SC, TN, TX, or VA (check map)? YES NO

Did samples originate from a foreign source (internationally, including Hawaii and Puerto Rico)? Yes No

If Yes to either question, fill out a Regulated Soil Checklist (F-LI-C-010) and include with SCUR/COC paperwork.

			COMMENTS:
Chain of Custody Present:	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	1.
Chain of Custody Filled Out:	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	2.
Chain of Custody Relinquished:	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	3.
Sampler Name & Signature on COC:	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No <input type="checkbox"/> N/A	4.
Samples Arrived within Hold Time:	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	5.
Short Hold Time Analysis (<72hr):	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	6.
Rush Turn Around Time Requested:	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	7.
Sufficient Volume: (Triple volume provided for MS/MSD)	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	8.
Correct Containers Used:	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	9.
-Pace Containers Used:	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	
Containers Intact:	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	10.
Filtered volume received for Dissolved tests	<input type="checkbox"/> Yes	<input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	11. Note if sediment is visible in the dissolved container.
Sample Labels match COC:	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	12.
-Includes date/time/ID/Analysis Matrix <u>SL</u> WT OIL			
All containers needing preservation have been checked	<input type="checkbox"/> Yes	<input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	13. <input type="checkbox"/> HNO ₃ <input type="checkbox"/> H ₂ SO ₄ <input type="checkbox"/> NaOH <input type="checkbox"/> HCl
pH paper Lot #			Sample #
All containers needing preservation are found to be in compliance with EPA recommendation? (HNO ₃ , H ₂ SO ₄ , HCl, NaOH>9 Sulfide, NAOH>12 Cyanide) Exceptions: VOA, Coliform, TOC/DOC, Oil and Grease, DRO/8015 (water). Per Method, VOA pH is checked after analysis	<input type="checkbox"/> Yes	<input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	Initial when completed: Lot # of added preservative: Date/Time preservative added:
Samples checked for dechlorination:	<input type="checkbox"/> Yes	<input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	14.
KI starch test strips Lot #			Positive for Res. Chlorine? Y N
Residual chlorine strips Lot #			
Headspace in VOA Vials (>6mm):	<input type="checkbox"/> Yes	<input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	15.
Trip Blank Present:	<input type="checkbox"/> Yes	<input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	16.
Trip Blank Custody Seals Present	<input type="checkbox"/> Yes	<input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
Pace Trip Blank Lot # (if applicable):			

Client Notification/ Resolution:

Field Data Required? Y / N

Person Contacted:

Date/Time:

Comments/ Resolution:

May 01, 2018

Samantha Miller
CHA Companies
300 South Stae Street
Syracuse, NY 13202

RE: Project: FORMER COYNE TEXTILE 4/16
Pace Project No.: 7048576

Dear Samantha Miller:

Enclosed are the analytical results for sample(s) received by the laboratory on April 17, 2018. The results relate only to the samples included in this report. Results reported herein conform to the most current, applicable TNI/NELAC standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,



James Murphy
james.murphy@pacelabs.com
(518)346-4592
Project Manager

Enclosures

cc: Karyn Ehmann, CHA Companies



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: FORMER COYNE TEXTILE 4/16

Pace Project No.: 7048576

Long Island Certification IDs

575 Broad Hollow Rd, Melville, NY 11747

New York Certification #: 10478 Primary Accrediting Body

New Jersey Certification #: NY158

Pennsylvania Certification #: 68-00350

Connecticut Certification #: PH-0435

Maryland Certification #: 208

Rhode Island Certification #: LAO00340

Massachusetts Certification #: M-NY026

New Hampshire Certification #: 2987

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: FORMER COYNE TEXTILE 4/16

Pace Project No.: 7048576

Method: EPA 8082A

Description: 8082 GCS PCB

Client: CHA Companies

Date: May 01, 2018

General Information:

3 samples were analyzed for EPA 8082A. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:

The samples were prepared in accordance with EPA 3510C with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):

All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:

All criteria were within method requirements with any exceptions noted below.

Surrogates:

All surrogates were within QC limits with any exceptions noted below.

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Additional Comments:

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: FORMER COYNE TEXTILE 4/16

Pace Project No.: 7048576

Method: EPA 200.7

Description: 200.7 Metals, Total

Client: CHA Companies

Date: May 01, 2018

General Information:

3 samples were analyzed for EPA 200.7. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:

The samples were prepared in accordance with EPA 200.7 with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):

All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:

All criteria were within method requirements with any exceptions noted below.

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

QC Batch: 64027

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 7048576001

M1: Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

- MS (Lab ID: 293893)
 - Calcium
 - Sodium

Duplicate Sample:

All duplicate sample results were within method acceptance criteria with any exceptions noted below.

QC Batch: 64027

D6: The precision between the sample and sample duplicate exceeded laboratory control limits.

- DUP (Lab ID: 293892)
 - Aluminum

Additional Comments:

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PROJECT NARRATIVE

Project: FORMER COYNE TEXTILE 4/16

Pace Project No.: 7048576

Method: EPA 7470A

Description: 7470 Mercury

Client: CHA Companies

Date: May 01, 2018

General Information:

3 samples were analyzed for EPA 7470A. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:

The samples were prepared in accordance with EPA 7470A with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):

All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:

All criteria were within method requirements with any exceptions noted below.

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Duplicate Sample:

All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: FORMER COYNE TEXTILE 4/16

Pace Project No.: 7048576

Method: EPA 8270D

Description: 8270 MSSV

Client: CHA Companies

Date: May 01, 2018

General Information:

4 samples were analyzed for EPA 8270D. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:

The samples were prepared in accordance with EPA 3510C with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):

All criteria were within method requirements with any exceptions noted below.

QC Batch: 63970

IC: The initial calibration for this compound was outside of method control limits. The result is estimated.

- BLANK (Lab ID: 293702)
 - Atrazine
 - Benzaldehyde
- DUP (Lab ID: 294207)
 - Atrazine
 - Benzaldehyde
- GW 100 (Lab ID: 7048576001)
 - Atrazine
 - Benzaldehyde
- LCS (Lab ID: 293703)
 - Atrazine
 - Benzaldehyde
- LCS (Lab ID: 293704)
 - Atrazine
 - Benzaldehyde
- MS (Lab ID: 293723)
 - Atrazine
 - Benzaldehyde

IH: This analyte exceeded secondary source verification criteria high for the initial calibration. The reported results should be considered an estimated value.

- LCS (Lab ID: 293703)
 - 4,6-Dinitro-2-methylphenol
- MS (Lab ID: 293723)
 - 4,6-Dinitro-2-methylphenol

IL: This analyte exceeded secondary source verification criteria low for the initial calibration. The reported results should be considered an estimated value.

- BLANK (Lab ID: 293702)
 - Benzaldehyde
- DUP (Lab ID: 294207)
 - Benzaldehyde

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PROJECT NARRATIVE

Project: FORMER COYNE TEXTILE 4/16

Pace Project No.: 7048576

Method: EPA 8270D

Description: 8270 MSSV

Client: CHA Companies

Date: May 01, 2018

QC Batch: 63970

IL: This analyte exceeded secondary source verification criteria low for the initial calibration. The reported results should be considered an estimated value.

- GW 100 (Lab ID: 7048576001)
 - Benzaldehyde
- LCS (Lab ID: 293703)
 - Benzaldehyde
- LCS (Lab ID: 293704)
 - Benzaldehyde
- MS (Lab ID: 293723)
 - Benzaldehyde

Continuing Calibration:

All criteria were within method requirements with any exceptions noted below.

QC Batch: 64335

CH: The continuing calibration for this compound is outside of Pace Analytical acceptance limits. The results may be biased high.

- LCS (Lab ID: 295295)
 - Pentachlorophenol
- MS (Lab ID: 295394)
 - Pentachlorophenol

CL: The continuing calibration for this compound is outside of Pace Analytical acceptance limits. The results may be biased low.

- BLANK (Lab ID: 295294)
 - 2,2'-Oxybis(1-chloropropane)
 - 2-Nitroaniline
 - Benzaldehyde
 - Hexachlorocyclopentadiene
 - N-Nitroso-di-n-propylamine
 - bis(2-Chloroethyl) ether
- DUP (Lab ID: 295395)
 - 2,2'-Oxybis(1-chloropropane)
 - 2-Nitroaniline
 - Benzaldehyde
 - Hexachlorocyclopentadiene
 - N-Nitroso-di-n-propylamine
 - bis(2-Chloroethyl) ether
- GW 101I (Lab ID: 7048576003)
 - 2,2'-Oxybis(1-chloropropane)
 - 2-Nitroaniline
 - Benzaldehyde
 - Hexachlorocyclopentadiene
 - N-Nitroso-di-n-propylamine
 - bis(2-Chloroethyl) ether
- GW 101S (Lab ID: 7048576002)
 - 2,2'-Oxybis(1-chloropropane)
 - 2-Nitroaniline

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PROJECT NARRATIVE

Project: FORMER COYNE TEXTILE 4/16

Pace Project No.: 7048576

Method: EPA 8270D

Description: 8270 MSSV

Client: CHA Companies

Date: May 01, 2018

QC Batch: 64335

CL: The continuing calibration for this compound is outside of Pace Analytical acceptance limits. The results may be biased low.

- Benzaldehyde
- Hexachlorocyclopentadiene
- N-Nitroso-di-n-propylamine
- bis(2-Chloroethyl) ether
- LCS (Lab ID: 295295)
 - 2,2'-Oxybis(1-chloropropane)
 - 2-Nitroaniline
 - Benzaldehyde
 - Hexachlorocyclopentadiene
 - N-Nitroso-di-n-propylamine
 - bis(2-Chloroethyl) ether
- MS (Lab ID: 295394)
 - 2,2'-Oxybis(1-chloropropane)
 - 2-Nitroaniline
 - Benzaldehyde
 - Hexachlorocyclopentadiene
 - N-Nitroso-di-n-propylamine
 - bis(2-Chloroethyl) ether
- TEMP-GW001 (Lab ID: 7048576004)
 - 2,2'-Oxybis(1-chloropropane)
 - 2-Nitroaniline
 - Benzaldehyde
 - Hexachlorocyclopentadiene
 - N-Nitroso-di-n-propylamine
 - bis(2-Chloroethyl) ether

Internal Standards:

All internal standards were within QC limits with any exceptions noted below.

Surrogates:

All surrogates were within QC limits with any exceptions noted below.

QC Batch: 64335

S0: Surrogate recovery outside laboratory control limits.

- GW 101S (Lab ID: 7048576002)
 - 1,2-Dichlorobenzene-d4 (S)

S4: Surrogate recovery not evaluated against control limits due to sample dilution.

- GW 101S (Lab ID: 7048576002)
 - 2,4,6-Tribromophenol (S)
 - 2-Chlorophenol-d4 (S)
 - 2-Fluorobiphenyl (S)
 - 2-Fluorophenol (S)
 - Nitrobenzene-d5 (S)

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PROJECT NARRATIVE

Project: FORMER COYNE TEXTILE 4/16

Pace Project No.: 7048576

Method: EPA 8270D

Description: 8270 MSSV

Client: CHA Companies

Date: May 01, 2018

QC Batch: 64335

S4: Surrogate recovery not evaluated against control limits due to sample dilution.

- Phenol-d5 (S)
- p-Terphenyl-d14 (S)

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

QC Batch: 63970

L2: Analyte recovery in the laboratory control sample (LCS) was below QC limits. Results for this analyte in associated samples may be biased low.

- LCS (Lab ID: 293703)
 - 2,4-Dimethylphenol
 - Carbazole

QC Batch: 64335

L2: Analyte recovery in the laboratory control sample (LCS) was below QC limits. Results for this analyte in associated samples may be biased low.

- LCS (Lab ID: 295295)
 - 2,2'-Oxybis(1-chloropropane)
 - 2,4-Dimethylphenol
 - Atrazine

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

QC Batch: 63970

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 7048513001

M1: Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

- MS (Lab ID: 293723)
 - 3-Nitroaniline
 - 4-Chloroaniline

QC Batch: 64335

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 7048576003

M0: Matrix spike recovery and/or matrix spike duplicate recovery was outside laboratory control limits.

- MS (Lab ID: 295394)
 - 2,2'-Oxybis(1-chloropropane)
 - Atrazine

M1: Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

- MS (Lab ID: 295394)
 - Benzaldehyde

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PROJECT NARRATIVE

Project: FORMER COYNE TEXTILE 4/16

Pace Project No.: 7048576

Method: EPA 8270D

Description: 8270 MSSV

Client: CHA Companies

Date: May 01, 2018

Duplicate Sample:

All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

Analyte Comments:

QC Batch: 64335

E: Analyte concentration exceeded the calibration range. The reported result is estimated.

- DUP (Lab ID: 295395)
 - 2,4,6-Tribromophenol (S)
- MS (Lab ID: 295394)
 - 2,4,6-Tribromophenol (S)
- TEMP-GW001 (Lab ID: 7048576004)
 - 2,4,6-Tribromophenol (S)

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PROJECT NARRATIVE

Project: FORMER COYNE TEXTILE 4/16

Pace Project No.: 7048576

Method: EPA 8260C/5030C

Description: 8260C Volatile Organics

Client: CHA Companies

Date: May 01, 2018

General Information:

4 samples were analyzed for EPA 8260C/5030C. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):

All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:

All criteria were within method requirements with any exceptions noted below.

QC Batch: 64369

CL: The continuing calibration for this compound is outside of Pace Analytical acceptance limits. The results may be biased low.

- BLANK (Lab ID: 295446)
 - Acetone
 - Cyclohexane
 - Dichlorodifluoromethane
 - Methyl acetate
 - Vinyl chloride
- GW 100 (Lab ID: 7048576001)
 - Acetone
 - Cyclohexane
 - Dichlorodifluoromethane
 - Methyl acetate
 - Vinyl chloride
- GW 101I (Lab ID: 7048576003)
 - Acetone
 - Cyclohexane
 - Dichlorodifluoromethane
 - Methyl acetate
 - Vinyl chloride
- GW 101S (Lab ID: 7048576002)
 - Acetone
 - Cyclohexane
 - Dichlorodifluoromethane
 - Methyl acetate
 - Vinyl chloride
- LCS (Lab ID: 295447)
 - Acetone
 - Cyclohexane
 - Dichlorodifluoromethane
 - Methyl acetate
 - Vinyl chloride

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PROJECT NARRATIVE

Project: FORMER COYNE TEXTILE 4/16

Pace Project No.: 7048576

Method: EPA 8260C/5030C

Description: 8260C Volatile Organics

Client: CHA Companies

Date: May 01, 2018

QC Batch: 64369

CL: The continuing calibration for this compound is outside of Pace Analytical acceptance limits. The results may be biased low.

- MS (Lab ID: 295667)
 - Acetone
 - Cyclohexane
 - Dichlorodifluoromethane
 - Methyl acetate
 - Vinyl chloride
- MSD (Lab ID: 295668)
 - Acetone
 - Cyclohexane
 - Dichlorodifluoromethane
 - Methyl acetate
 - Vinyl chloride
- TEMP-GW001 (Lab ID: 7048576004)
 - Acetone
 - Cyclohexane
 - Dichlorodifluoromethane
 - Methyl acetate
 - Vinyl chloride

Internal Standards:

All internal standards were within QC limits with any exceptions noted below.

Surrogates:

All surrogates were within QC limits with any exceptions noted below.

QC Batch: 64369

S0: Surrogate recovery outside laboratory control limits.

- TEMP-GW001 (Lab ID: 7048576004)
 - 4-Bromofluorobenzene (S)

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

QC Batch: 64369

L2: Analyte recovery in the laboratory control sample (LCS) was below QC limits. Results for this analyte in associated samples may be biased low.

- LCS (Lab ID: 295447)
 - 1,1-Dichloroethane

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: FORMER COYNE TEXTILE 4/16

Pace Project No.: 7048576

Method: EPA 8260C/5030C

Description: 8260C Volatile Organics

Client: CHA Companies

Date: May 01, 2018

QC Batch: 64369

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 7048944006

M0: Matrix spike recovery and/or matrix spike duplicate recovery was outside laboratory control limits.

- MS (Lab ID: 295667)
 - 1,1-Dichloroethane
- MSD (Lab ID: 295668)
 - 1,1-Dichloroethane

M1: Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

- MS (Lab ID: 295667)
 - Bromomethane

Additional Comments:

This data package has been reviewed for quality and completeness and is approved for release.

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: FORMER COYNE TEXTILE 4/16

Pace Project No.: 7048576

Sample: GW 100	Lab ID: 7048576001	Collected: 04/16/18 13:35	Received: 04/17/18 10:00	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8082 GCS PCB								
Analytical Method: EPA 8082A Preparation Method: EPA 3510C								
PCB-1016 (Aroclor 1016)	<1.0	ug/L	1.0	1	04/19/18 06:28	04/19/18 20:43	12674-11-2	
PCB-1221 (Aroclor 1221)	<2.0	ug/L	2.0	1	04/19/18 06:28	04/19/18 20:43	11104-28-2	
PCB-1232 (Aroclor 1232)	<1.0	ug/L	1.0	1	04/19/18 06:28	04/19/18 20:43	11141-16-5	
PCB-1242 (Aroclor 1242)	<1.0	ug/L	1.0	1	04/19/18 06:28	04/19/18 20:43	53469-21-9	
PCB-1248 (Aroclor 1248)	<1.0	ug/L	1.0	1	04/19/18 06:28	04/19/18 20:43	12672-29-6	
PCB-1254 (Aroclor 1254)	<1.0	ug/L	1.0	1	04/19/18 06:28	04/19/18 20:43	11097-69-1	
PCB-1260 (Aroclor 1260)	<1.0	ug/L	1.0	1	04/19/18 06:28	04/19/18 20:43	11096-82-5	
Surrogates								
Tetrachloro-m-xylene (S)	55	%	30-150	1	04/19/18 06:28	04/19/18 20:43	877-09-8	
Decachlorobiphenyl (S)	54	%	30-150	1	04/19/18 06:28	04/19/18 20:43	2051-24-3	
200.7 Metals, Total								
Analytical Method: EPA 200.7 Preparation Method: EPA 200.7								
Aluminum	740	ug/L	200	1	04/18/18 09:20	04/18/18 22:51	7429-90-5	D6
Antimony	<60.0	ug/L	60.0	1	04/18/18 09:20	04/18/18 22:51	7440-36-0	
Arsenic	<10.0	ug/L	10.0	1	04/18/18 09:20	04/18/18 22:51	7440-38-2	
Barium	730	ug/L	200	1	04/18/18 09:20	04/18/18 22:51	7440-39-3	
Beryllium	<5.0	ug/L	5.0	1	04/18/18 09:20	04/18/18 22:51	7440-41-7	
Cadmium	<2.5	ug/L	2.5	1	04/18/18 09:20	04/18/18 22:51	7440-43-9	
Calcium	277000	ug/L	1000	1	04/18/18 09:20	04/18/18 22:51	7440-70-2	M1
Chromium	<10.0	ug/L	10.0	1	04/18/18 09:20	04/18/18 22:51	7440-47-3	
Cobalt	<50.0	ug/L	50.0	1	04/18/18 09:20	04/18/18 22:51	7440-48-4	
Copper	<25.0	ug/L	25.0	1	04/18/18 09:20	04/18/18 22:51	7440-50-8	
Iron	2840	ug/L	20.0	1	04/18/18 09:20	04/18/18 22:51	7439-89-6	
Lead	<5.0	ug/L	5.0	1	04/18/18 09:20	04/18/18 22:51	7439-92-1	
Magnesium	52500	ug/L	1000	1	04/18/18 09:20	04/18/18 22:51	7439-95-4	
Manganese	435	ug/L	10.0	1	04/18/18 09:20	04/18/18 22:51	7439-96-5	
Nickel	<40.0	ug/L	40.0	1	04/18/18 09:20	04/18/18 22:51	7440-02-0	
Potassium	15800	ug/L	5000	1	04/18/18 09:20	04/18/18 22:51	7440-09-7	
Selenium	<10.0	ug/L	10.0	1	04/18/18 09:20	04/18/18 22:51	7782-49-2	
Silver	<10.0	ug/L	10.0	1	04/18/18 09:20	04/18/18 22:51	7440-22-4	
Sodium	602000	ug/L	5000	1	04/18/18 09:20	04/18/18 22:51	7440-23-5	M1
Thallium	<10.0	ug/L	10.0	1	04/18/18 09:20	04/18/18 22:51	7440-28-0	
Vanadium	<50.0	ug/L	50.0	1	04/18/18 09:20	04/18/18 22:51	7440-62-2	
Zinc	21.1	ug/L	20.0	1	04/18/18 09:20	04/18/18 22:51	7440-66-6	
7470 Mercury								
Analytical Method: EPA 7470A Preparation Method: EPA 7470A								
Mercury	<0.20	ug/L	0.20	1	04/18/18 10:56	04/19/18 12:28	7439-97-6	
8270 MSSV								
Analytical Method: EPA 8270D Preparation Method: EPA 3510C								
Acenaphthene	<5.0	ug/L	5.0	1	04/18/18 11:41	04/26/18 21:00	83-32-9	
Acenaphthylene	<5.0	ug/L	5.0	1	04/18/18 11:41	04/26/18 21:00	208-96-8	
Acetophenone	<5.0	ug/L	5.0	1	04/18/18 11:41	04/26/18 21:00	98-86-2	
Anthracene	<5.0	ug/L	5.0	1	04/18/18 11:41	04/26/18 21:00	120-12-7	
Atrazine	<5.0	ug/L	5.0	1	04/18/18 11:41	04/26/18 21:00	1912-24-9	IC
Benzaldehyde	<5.0	ug/L	5.0	1	04/18/18 11:41	04/26/18 21:00	100-52-7	IC,IL
Benzo(a)anthracene	<5.0	ug/L	5.0	1	04/18/18 11:41	04/26/18 21:00	56-55-3	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: FORMER COYNE TEXTILE 4/16

Pace Project No.: 7048576

Sample: GW 100	Lab ID: 7048576001	Collected: 04/16/18 13:35	Received: 04/17/18 10:00	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV		Analytical Method: EPA 8270D Preparation Method: EPA 3510C						
Benzo(a)pyrene	<5.0	ug/L	5.0	1	04/18/18 11:41	04/26/18 21:00	50-32-8	
Benzo(b)fluoranthene	<5.0	ug/L	5.0	1	04/18/18 11:41	04/26/18 21:00	205-99-2	
Benzo(g,h,i)perylene	<5.0	ug/L	5.0	1	04/18/18 11:41	04/26/18 21:00	191-24-2	
Benzo(k)fluoranthene	<5.0	ug/L	5.0	1	04/18/18 11:41	04/26/18 21:00	207-08-9	
Biphenyl (Diphenyl)	<5.0	ug/L	5.0	1	04/18/18 11:41	04/26/18 21:00	92-52-4	
4-Bromophenylphenyl ether	<5.0	ug/L	5.0	1	04/18/18 11:41	04/26/18 21:00	101-55-3	
Butylbenzylphthalate	<5.0	ug/L	5.0	1	04/18/18 11:41	04/26/18 21:00	85-68-7	
Caprolactam	<5.0	ug/L	5.0	1	04/18/18 11:41	04/26/18 21:00	105-60-2	
Carbazole	<5.0	ug/L	5.0	1	04/18/18 11:41	04/26/18 21:00	86-74-8	L2
4-Chloro-3-methylphenol	<5.0	ug/L	5.0	1	04/18/18 11:41	04/26/18 21:00	59-50-7	
4-Chloroaniline	<5.0	ug/L	5.0	1	04/18/18 11:41	04/26/18 21:00	106-47-8	
bis(2-Chloroethoxy)methane	<5.0	ug/L	5.0	1	04/18/18 11:41	04/26/18 21:00	111-91-1	
bis(2-Chloroethyl) ether	<5.0	ug/L	5.0	1	04/18/18 11:41	04/26/18 21:00	111-44-4	
2-Chloronaphthalene	<5.0	ug/L	5.0	1	04/18/18 11:41	04/26/18 21:00	91-58-7	
2-Chlorophenol	<5.0	ug/L	5.0	1	04/18/18 11:41	04/26/18 21:00	95-57-8	
4-Chlorophenylphenyl ether	<5.0	ug/L	5.0	1	04/18/18 11:41	04/26/18 21:00	7005-72-3	
Chrysene	<5.0	ug/L	5.0	1	04/18/18 11:41	04/26/18 21:00	218-01-9	
Dibenz(a,h)anthracene	<5.0	ug/L	5.0	1	04/18/18 11:41	04/26/18 21:00	53-70-3	
Dibenzofuran	<5.0	ug/L	5.0	1	04/18/18 11:41	04/26/18 21:00	132-64-9	
3,3'-Dichlorobenzidine	<5.0	ug/L	5.0	1	04/18/18 11:41	04/26/18 21:00	91-94-1	
2,4-Dichlorophenol	<5.0	ug/L	5.0	1	04/18/18 11:41	04/26/18 21:00	120-83-2	
Diethylphthalate	<5.0	ug/L	5.0	1	04/18/18 11:41	04/26/18 21:00	84-66-2	
2,4-Dimethylphenol	<5.0	ug/L	5.0	1	04/18/18 11:41	04/26/18 21:00	105-67-9	L2
Dimethylphthalate	<5.0	ug/L	5.0	1	04/18/18 11:41	04/26/18 21:00	131-11-3	
Di-n-butylphthalate	<5.0	ug/L	5.0	1	04/18/18 11:41	04/26/18 21:00	84-74-2	
4,6-Dinitro-2-methylphenol	<10.0	ug/L	10.0	1	04/18/18 11:41	04/26/18 21:00	534-52-1	
2,4-Dinitrophenol	<10.0	ug/L	10.0	1	04/18/18 11:41	04/26/18 21:00	51-28-5	
2,4-Dinitrotoluene	<5.0	ug/L	5.0	1	04/18/18 11:41	04/26/18 21:00	121-14-2	
2,6-Dinitrotoluene	<5.0	ug/L	5.0	1	04/18/18 11:41	04/26/18 21:00	606-20-2	
Di-n-octylphthalate	<5.0	ug/L	5.0	1	04/18/18 11:41	04/26/18 21:00	117-84-0	
bis(2-Ethylhexyl)phthalate	<5.0	ug/L	5.0	1	04/18/18 11:41	04/26/18 21:00	117-81-7	
Fluoranthene	<5.0	ug/L	5.0	1	04/18/18 11:41	04/26/18 21:00	206-44-0	
Fluorene	<5.0	ug/L	5.0	1	04/18/18 11:41	04/26/18 21:00	86-73-7	
Hexachloro-1,3-butadiene	<5.0	ug/L	5.0	1	04/18/18 11:41	04/26/18 21:00	87-68-3	
Hexachlorobenzene	<5.0	ug/L	5.0	1	04/18/18 11:41	04/26/18 21:00	118-74-1	
Hexachlorocyclopentadiene	<5.0	ug/L	5.0	1	04/18/18 11:41	04/26/18 21:00	77-47-4	
Hexachloroethane	<5.0	ug/L	5.0	1	04/18/18 11:41	04/26/18 21:00	67-72-1	
Indeno(1,2,3-cd)pyrene	<5.0	ug/L	5.0	1	04/18/18 11:41	04/26/18 21:00	193-39-5	
Isophorone	<5.0	ug/L	5.0	1	04/18/18 11:41	04/26/18 21:00	78-59-1	
2-Methylnaphthalene	<5.0	ug/L	5.0	1	04/18/18 11:41	04/26/18 21:00	91-57-6	
2-Methylphenol(o-Cresol)	<5.0	ug/L	5.0	1	04/18/18 11:41	04/26/18 21:00	95-48-7	
3&4-Methylphenol(m&p Cresol)	<5.0	ug/L	5.0	1	04/18/18 11:41	04/26/18 21:00		
Naphthalene	<5.0	ug/L	5.0	1	04/18/18 11:41	04/26/18 21:00	91-20-3	
2-Nitroaniline	<5.0	ug/L	5.0	1	04/18/18 11:41	04/26/18 21:00	88-74-4	
3-Nitroaniline	<5.0	ug/L	5.0	1	04/18/18 11:41	04/26/18 21:00	99-09-2	
4-Nitroaniline	<5.0	ug/L	5.0	1	04/18/18 11:41	04/26/18 21:00	100-01-6	
Nitrobenzene	<5.0	ug/L	5.0	1	04/18/18 11:41	04/26/18 21:00	98-95-3	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: FORMER COYNE TEXTILE 4/16

Pace Project No.: 7048576

Sample: GW 100	Lab ID: 7048576001	Collected: 04/16/18 13:35	Received: 04/17/18 10:00	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV								
Analytical Method: EPA 8270D Preparation Method: EPA 3510C								
2-Nitrophenol	<5.0	ug/L	5.0	1	04/18/18 11:41	04/26/18 21:00	88-75-5	
4-Nitrophenol	<10.0	ug/L	10.0	1	04/18/18 11:41	04/26/18 21:00	100-02-7	
N-Nitroso-di-n-propylamine	<5.0	ug/L	5.0	1	04/18/18 11:41	04/26/18 21:00	621-64-7	
N-Nitrosodiphenylamine	<5.0	ug/L	5.0	1	04/18/18 11:41	04/26/18 21:00	86-30-6	
2,2'-Oxybis(1-chloropropane)	<5.0	ug/L	5.0	1	04/18/18 11:41	04/26/18 21:00	108-60-1	
Pentachlorophenol	<10.0	ug/L	10.0	1	04/18/18 11:41	04/26/18 21:00	87-86-5	
Phenanthrene	<5.0	ug/L	5.0	1	04/18/18 11:41	04/26/18 21:00	85-01-8	
Phenol	<5.0	ug/L	5.0	1	04/18/18 11:41	04/26/18 21:00	108-95-2	
Pyrene	<5.0	ug/L	5.0	1	04/18/18 11:41	04/26/18 21:00	129-00-0	
2,4,5-Trichlorophenol	<5.0	ug/L	5.0	1	04/18/18 11:41	04/26/18 21:00	95-95-4	
2,4,6-Trichlorophenol	<5.0	ug/L	5.0	1	04/18/18 11:41	04/26/18 21:00	88-06-2	
Surrogates								
Nitrobenzene-d5 (S)	46	%	35-114	1	04/18/18 11:41	04/26/18 21:00	4165-60-0	
2-Fluorobiphenyl (S)	43	%	43-116	1	04/18/18 11:41	04/26/18 21:00	321-60-8	
p-Terphenyl-d14 (S)	49	%	33-141	1	04/18/18 11:41	04/26/18 21:00	1718-51-0	
Phenol-d5 (S)	19	%	10-110	1	04/18/18 11:41	04/26/18 21:00	4165-62-2	
2-Fluorophenol (S)	28	%	21-110	1	04/18/18 11:41	04/26/18 21:00	367-12-4	
2,4,6-Tribromophenol (S)	56	%	10-123	1	04/18/18 11:41	04/26/18 21:00	118-79-6	
2-Chlorophenol-d4 (S)	38	%	33-110	1	04/18/18 11:41	04/26/18 21:00	93951-73-6	
1,2-Dichlorobenzene-d4 (S)	39	%	16-110	1	04/18/18 11:41	04/26/18 21:00	2199-69-1	
8260C Volatile Organics								
Analytical Method: EPA 8260C/5030C								
1,1,1-Trichloroethane	<1.0	ug/L	1.0	1		04/20/18 15:43	71-55-6	
1,1,2,2-Tetrachloroethane	<1.0	ug/L	1.0	1		04/20/18 15:43	79-34-5	
1,1,2-Trichloroethane	<1.0	ug/L	1.0	1		04/20/18 15:43	79-00-5	
1,1,2-Trichlorotrifluoroethane	<1.0	ug/L	1.0	1		04/20/18 15:43	76-13-1	
1,1-Dichloroethane	<1.0	ug/L	1.0	1		04/20/18 15:43	75-34-3	L2
1,1-Dichloroethene	<1.0	ug/L	1.0	1		04/20/18 15:43	75-35-4	
1,2,4-Trichlorobenzene	<1.0	ug/L	1.0	1		04/20/18 15:43	120-82-1	
1,2-Dibromo-3-chloropropane	<1.0	ug/L	1.0	1		04/20/18 15:43	96-12-8	
1,2-Dibromoethane (EDB)	<1.0	ug/L	1.0	1		04/20/18 15:43	106-93-4	
1,2-Dichlorobenzene	<1.0	ug/L	1.0	1		04/20/18 15:43	95-50-1	
1,2-Dichloroethane	<1.0	ug/L	1.0	1		04/20/18 15:43	107-06-2	
1,2-Dichloropropane	<1.0	ug/L	1.0	1		04/20/18 15:43	78-87-5	
1,3-Dichlorobenzene	<1.0	ug/L	1.0	1		04/20/18 15:43	541-73-1	
1,4-Dichlorobenzene	<1.0	ug/L	1.0	1		04/20/18 15:43	106-46-7	
2-Butanone (MEK)	<5.0	ug/L	5.0	1		04/20/18 15:43	78-93-3	
2-Hexanone	<5.0	ug/L	5.0	1		04/20/18 15:43	591-78-6	
4-Methyl-2-pentanone (MIBK)	<5.0	ug/L	5.0	1		04/20/18 15:43	108-10-1	
Acetone	<5.0	ug/L	5.0	1		04/20/18 15:43	67-64-1	CL
Benzene	13.1	ug/L	1.0	1		04/20/18 15:43	71-43-2	
Bromodichloromethane	<1.0	ug/L	1.0	1		04/20/18 15:43	75-27-4	
Bromoform	<1.0	ug/L	1.0	1		04/20/18 15:43	75-25-2	
Bromomethane	<1.0	ug/L	1.0	1		04/20/18 15:43	74-83-9	
Carbon disulfide	<1.0	ug/L	1.0	1		04/20/18 15:43	75-15-0	
Carbon tetrachloride	<1.0	ug/L	1.0	1		04/20/18 15:43	56-23-5	
Chlorobenzene	<1.0	ug/L	1.0	1		04/20/18 15:43	108-90-7	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: FORMER COYNE TEXTILE 4/16

Pace Project No.: 7048576

Sample: GW 100	Lab ID: 7048576001	Collected: 04/16/18 13:35	Received: 04/17/18 10:00	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260C Volatile Organics		Analytical Method: EPA 8260C/5030C						
Chloroethane	<1.0	ug/L	1.0	1		04/20/18 15:43	75-00-3	
Chloroform	<1.0	ug/L	1.0	1		04/20/18 15:43	67-66-3	
Chloromethane	<1.0	ug/L	1.0	1		04/20/18 15:43	74-87-3	
Cyclohexane	<1.0	ug/L	1.0	1		04/20/18 15:43	110-82-7	CL
Dibromochloromethane	<1.0	ug/L	1.0	1		04/20/18 15:43	124-48-1	
Dichlorodifluoromethane	<1.0	ug/L	1.0	1		04/20/18 15:43	75-71-8	CL
Ethylbenzene	<1.0	ug/L	1.0	1		04/20/18 15:43	100-41-4	
Isopropylbenzene (Cumene)	<1.0	ug/L	1.0	1		04/20/18 15:43	98-82-8	
Methyl acetate	<1.0	ug/L	1.0	1		04/20/18 15:43	79-20-9	CL
Methyl-tert-butyl ether	<1.0	ug/L	1.0	1		04/20/18 15:43	1634-04-4	
Methylcyclohexane	<1.0	ug/L	1.0	1		04/20/18 15:43	108-87-2	
Methylene Chloride	<1.0	ug/L	1.0	1		04/20/18 15:43	75-09-2	
Styrene	<1.0	ug/L	1.0	1		04/20/18 15:43	100-42-5	
Tetrachloroethene	<1.0	ug/L	1.0	1		04/20/18 15:43	127-18-4	
Toluene	<1.0	ug/L	1.0	1		04/20/18 15:43	108-88-3	
Trichloroethene	<1.0	ug/L	1.0	1		04/20/18 15:43	79-01-6	
Trichlorofluoromethane	<1.0	ug/L	1.0	1		04/20/18 15:43	75-69-4	
Vinyl chloride	17.6	ug/L	1.0	1		04/20/18 15:43	75-01-4	CL
Xylene (Total)	<3.0	ug/L	3.0	1		04/20/18 15:43	1330-20-7	
cis-1,2-Dichloroethene	8.4	ug/L	1.0	1		04/20/18 15:43	156-59-2	
cis-1,3-Dichloropropene	<1.0	ug/L	1.0	1		04/20/18 15:43	10061-01-5	
trans-1,2-Dichloroethene	8.7	ug/L	1.0	1		04/20/18 15:43	156-60-5	
trans-1,3-Dichloropropene	<1.0	ug/L	1.0	1		04/20/18 15:43	10061-02-6	
Surrogates								
1,2-Dichloroethane-d4 (S)	89	%	68-153	1		04/20/18 15:43	17060-07-0	
4-Bromofluorobenzene (S)	100	%	79-124	1		04/20/18 15:43	460-00-4	
Toluene-d8 (S)	103	%	69-124	1		04/20/18 15:43	2037-26-5	

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ANALYTICAL RESULTS

Project: FORMER COYNE TEXTILE 4/16

Pace Project No.: 7048576

Sample: GW 101S	Lab ID: 7048576002	Collected: 04/16/18 11:55	Received: 04/17/18 10:00	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8082 GCS PCB Analytical Method: EPA 8082A Preparation Method: EPA 3510C								
PCB-1016 (Aroclor 1016)	<1.0	ug/L	1.0	1	04/19/18 06:28	04/19/18 19:51	12674-11-2	
PCB-1221 (Aroclor 1221)	<2.0	ug/L	2.0	1	04/19/18 06:28	04/19/18 19:51	11104-28-2	
PCB-1232 (Aroclor 1232)	<1.0	ug/L	1.0	1	04/19/18 06:28	04/19/18 19:51	11141-16-5	
PCB-1242 (Aroclor 1242)	<1.0	ug/L	1.0	1	04/19/18 06:28	04/19/18 19:51	53469-21-9	
PCB-1248 (Aroclor 1248)	<1.0	ug/L	1.0	1	04/19/18 06:28	04/19/18 19:51	12672-29-6	
PCB-1254 (Aroclor 1254)	<1.0	ug/L	1.0	1	04/19/18 06:28	04/19/18 19:51	11097-69-1	
PCB-1260 (Aroclor 1260)	<1.0	ug/L	1.0	1	04/19/18 06:28	04/19/18 19:51	11096-82-5	
Surrogates								
Tetrachloro-m-xylene (S)	58	%	30-150	1	04/19/18 06:28	04/19/18 19:51	877-09-8	
Decachlorobiphenyl (S)	51	%	30-150	1	04/19/18 06:28	04/19/18 19:51	2051-24-3	
200.7 Metals, Total Analytical Method: EPA 200.7 Preparation Method: EPA 200.7								
Aluminum	808	ug/L	200	1	04/18/18 09:20	04/18/18 23:29	7429-90-5	
Antimony	<60.0	ug/L	60.0	1	04/18/18 09:20	04/18/18 23:29	7440-36-0	
Arsenic	<10.0	ug/L	10.0	1	04/18/18 09:20	04/18/18 23:29	7440-38-2	
Barium	1360	ug/L	200	1	04/18/18 09:20	04/18/18 23:29	7440-39-3	
Beryllium	<5.0	ug/L	5.0	1	04/18/18 09:20	04/18/18 23:29	7440-41-7	
Cadmium	<2.5	ug/L	2.5	1	04/18/18 09:20	04/18/18 23:29	7440-43-9	
Calcium	278000	ug/L	1000	1	04/18/18 09:20	04/18/18 23:29	7440-70-2	
Chromium	27.6	ug/L	10.0	1	04/18/18 09:20	04/18/18 23:29	7440-47-3	
Cobalt	<50.0	ug/L	50.0	1	04/18/18 09:20	04/18/18 23:29	7440-48-4	
Copper	1120	ug/L	25.0	1	04/18/18 09:20	04/18/18 23:29	7440-50-8	
Iron	2850	ug/L	20.0	1	04/18/18 09:20	04/18/18 23:29	7439-89-6	
Lead	<5.0	ug/L	5.0	1	04/18/18 09:20	04/18/18 23:29	7439-92-1	
Magnesium	51300	ug/L	1000	1	04/18/18 09:20	04/18/18 23:29	7439-95-4	
Manganese	426	ug/L	10.0	1	04/18/18 09:20	04/18/18 23:29	7439-96-5	
Nickel	<40.0	ug/L	40.0	1	04/18/18 09:20	04/18/18 23:29	7440-02-0	
Potassium	17600	ug/L	5000	1	04/18/18 09:20	04/18/18 23:29	7440-09-7	
Selenium	<10.0	ug/L	10.0	1	04/18/18 09:20	04/18/18 23:29	7782-49-2	
Silver	<10.0	ug/L	10.0	1	04/18/18 09:20	04/18/18 23:29	7440-22-4	
Sodium	247000	ug/L	5000	1	04/18/18 09:20	04/18/18 23:29	7440-23-5	
Thallium	<10.0	ug/L	10.0	1	04/18/18 09:20	04/18/18 23:29	7440-28-0	
Vanadium	<50.0	ug/L	50.0	1	04/18/18 09:20	04/18/18 23:29	7440-62-2	
Zinc	111	ug/L	20.0	1	04/18/18 09:20	04/18/18 23:29	7440-66-6	
7470 Mercury Analytical Method: EPA 7470A Preparation Method: EPA 7470A								
Mercury	<0.20	ug/L	0.20	1	04/18/18 10:56	04/19/18 12:30	7439-97-6	
8270 MSSV Analytical Method: EPA 8270D Preparation Method: EPA 3510C								
Acenaphthene	<50.0	ug/L	50.0	1	04/20/18 10:06	04/26/18 23:03	83-32-9	
Acenaphthylene	<50.0	ug/L	50.0	1	04/20/18 10:06	04/26/18 23:03	208-96-8	
Acetophenone	<50.0	ug/L	50.0	1	04/20/18 10:06	04/26/18 23:03	98-86-2	
Anthracene	<50.0	ug/L	50.0	1	04/20/18 10:06	04/26/18 23:03	120-12-7	
Atrazine	<50.0	ug/L	50.0	1	04/20/18 10:06	04/26/18 23:03	1912-24-9	L2
Benzaldehyde	<50.0	ug/L	50.0	1	04/20/18 10:06	04/26/18 23:03	100-52-7	CL
Benzo(a)anthracene	<50.0	ug/L	50.0	1	04/20/18 10:06	04/26/18 23:03	56-55-3	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: FORMER COYNE TEXTILE 4/16

Pace Project No.: 7048576

Sample: GW 101S	Lab ID: 7048576002	Collected: 04/16/18 11:55	Received: 04/17/18 10:00	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV		Analytical Method: EPA 8270D Preparation Method: EPA 3510C						
Benzo(a)pyrene	<50.0	ug/L	50.0	1	04/20/18 10:06	04/26/18 23:03	50-32-8	
Benzo(b)fluoranthene	<50.0	ug/L	50.0	1	04/20/18 10:06	04/26/18 23:03	205-99-2	
Benzo(g,h,i)perylene	<50.0	ug/L	50.0	1	04/20/18 10:06	04/26/18 23:03	191-24-2	
Benzo(k)fluoranthene	<50.0	ug/L	50.0	1	04/20/18 10:06	04/26/18 23:03	207-08-9	
Biphenyl (Diphenyl)	<50.0	ug/L	50.0	1	04/20/18 10:06	04/26/18 23:03	92-52-4	
4-Bromophenylphenyl ether	<50.0	ug/L	50.0	1	04/20/18 10:06	04/26/18 23:03	101-55-3	
Butylbenzylphthalate	<50.0	ug/L	50.0	1	04/20/18 10:06	04/26/18 23:03	85-68-7	
Caprolactam	<50.0	ug/L	50.0	1	04/20/18 10:06	04/26/18 23:03	105-60-2	
Carbazole	<50.0	ug/L	50.0	1	04/20/18 10:06	04/26/18 23:03	86-74-8	
4-Chloro-3-methylphenol	<50.0	ug/L	50.0	1	04/20/18 10:06	04/26/18 23:03	59-50-7	
4-Chloroaniline	<50.0	ug/L	50.0	1	04/20/18 10:06	04/26/18 23:03	106-47-8	
bis(2-Chloroethoxy)methane	<50.0	ug/L	50.0	1	04/20/18 10:06	04/26/18 23:03	111-91-1	
bis(2-Chloroethyl) ether	<50.0	ug/L	50.0	1	04/20/18 10:06	04/26/18 23:03	111-44-4	CL
2-Chloronaphthalene	<50.0	ug/L	50.0	1	04/20/18 10:06	04/26/18 23:03	91-58-7	
2-Chlorophenol	<50.0	ug/L	50.0	1	04/20/18 10:06	04/26/18 23:03	95-57-8	
4-Chlorophenylphenyl ether	<50.0	ug/L	50.0	1	04/20/18 10:06	04/26/18 23:03	7005-72-3	
Chrysene	<50.0	ug/L	50.0	1	04/20/18 10:06	04/26/18 23:03	218-01-9	
Dibenz(a,h)anthracene	<50.0	ug/L	50.0	1	04/20/18 10:06	04/26/18 23:03	53-70-3	
Dibenzofuran	<50.0	ug/L	50.0	1	04/20/18 10:06	04/26/18 23:03	132-64-9	
3,3'-Dichlorobenzidine	<50.0	ug/L	50.0	1	04/20/18 10:06	04/26/18 23:03	91-94-1	
2,4-Dichlorophenol	<50.0	ug/L	50.0	1	04/20/18 10:06	04/26/18 23:03	120-83-2	
Diethylphthalate	<50.0	ug/L	50.0	1	04/20/18 10:06	04/26/18 23:03	84-66-2	
2,4-Dimethylphenol	<50.0	ug/L	50.0	1	04/20/18 10:06	04/26/18 23:03	105-67-9	L2
Dimethylphthalate	<50.0	ug/L	50.0	1	04/20/18 10:06	04/26/18 23:03	131-11-3	
Di-n-butylphthalate	<50.0	ug/L	50.0	1	04/20/18 10:06	04/26/18 23:03	84-74-2	
4,6-Dinitro-2-methylphenol	<100	ug/L	100	1	04/20/18 10:06	04/26/18 23:03	534-52-1	
2,4-Dinitrophenol	<100	ug/L	100	1	04/20/18 10:06	04/26/18 23:03	51-28-5	
2,4-Dinitrotoluene	<50.0	ug/L	50.0	1	04/20/18 10:06	04/26/18 23:03	121-14-2	
2,6-Dinitrotoluene	<50.0	ug/L	50.0	1	04/20/18 10:06	04/26/18 23:03	606-20-2	
Di-n-octylphthalate	<50.0	ug/L	50.0	1	04/20/18 10:06	04/26/18 23:03	117-84-0	
bis(2-Ethylhexyl)phthalate	<50.0	ug/L	50.0	1	04/20/18 10:06	04/26/18 23:03	117-81-7	
Fluoranthene	<50.0	ug/L	50.0	1	04/20/18 10:06	04/26/18 23:03	206-44-0	
Fluorene	<50.0	ug/L	50.0	1	04/20/18 10:06	04/26/18 23:03	86-73-7	
Hexachloro-1,3-butadiene	<50.0	ug/L	50.0	1	04/20/18 10:06	04/26/18 23:03	87-68-3	
Hexachlorobenzene	<50.0	ug/L	50.0	1	04/20/18 10:06	04/26/18 23:03	118-74-1	
Hexachlorocyclopentadiene	<50.0	ug/L	50.0	1	04/20/18 10:06	04/26/18 23:03	77-47-4	CL
Hexachloroethane	<50.0	ug/L	50.0	1	04/20/18 10:06	04/26/18 23:03	67-72-1	
Indeno(1,2,3-cd)pyrene	<50.0	ug/L	50.0	1	04/20/18 10:06	04/26/18 23:03	193-39-5	
Isophorone	<50.0	ug/L	50.0	1	04/20/18 10:06	04/26/18 23:03	78-59-1	
2-Methylnaphthalene	<50.0	ug/L	50.0	1	04/20/18 10:06	04/26/18 23:03	91-57-6	
2-Methylphenol(o-Cresol)	<50.0	ug/L	50.0	1	04/20/18 10:06	04/26/18 23:03	95-48-7	
3&4-Methylphenol(m&p Cresol)	<50.0	ug/L	50.0	1	04/20/18 10:06	04/26/18 23:03		
Naphthalene	<50.0	ug/L	50.0	1	04/20/18 10:06	04/26/18 23:03	91-20-3	
2-Nitroaniline	<50.0	ug/L	50.0	1	04/20/18 10:06	04/26/18 23:03	88-74-4	CL
3-Nitroaniline	<50.0	ug/L	50.0	1	04/20/18 10:06	04/26/18 23:03	99-09-2	
4-Nitroaniline	<50.0	ug/L	50.0	1	04/20/18 10:06	04/26/18 23:03	100-01-6	
Nitrobenzene	<50.0	ug/L	50.0	1	04/20/18 10:06	04/26/18 23:03	98-95-3	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: FORMER COYNE TEXTILE 4/16

Project No.: 7048576

Sample: GW 101S	Lab ID: 7048576002	Collected: 04/16/18 11:55	Received: 04/17/18 10:00	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV								
Analytical Method: EPA 8270D Preparation Method: EPA 3510C								
2-Nitrophenol	<50.0	ug/L	50.0	1	04/20/18 10:06	04/26/18 23:03	88-75-5	
4-Nitrophenol	<100	ug/L	100	1	04/20/18 10:06	04/26/18 23:03	100-02-7	
N-Nitroso-di-n-propylamine	<50.0	ug/L	50.0	1	04/20/18 10:06	04/26/18 23:03	621-64-7	CL
N-Nitrosodiphenylamine	<50.0	ug/L	50.0	1	04/20/18 10:06	04/26/18 23:03	86-30-6	
2,2'-Oxybis(1-chloropropane)	<50.0	ug/L	50.0	1	04/20/18 10:06	04/26/18 23:03	108-60-1	CL,L2
Pentachlorophenol	<100	ug/L	100	1	04/20/18 10:06	04/26/18 23:03	87-86-5	
Phenanthrene	<50.0	ug/L	50.0	1	04/20/18 10:06	04/26/18 23:03	85-01-8	
Phenol	<50.0	ug/L	50.0	1	04/20/18 10:06	04/26/18 23:03	108-95-2	
Pyrene	<50.0	ug/L	50.0	1	04/20/18 10:06	04/26/18 23:03	129-00-0	
2,4,5-Trichlorophenol	<50.0	ug/L	50.0	1	04/20/18 10:06	04/26/18 23:03	95-95-4	
2,4,6-Trichlorophenol	<50.0	ug/L	50.0	1	04/20/18 10:06	04/26/18 23:03	88-06-2	
Surrogates								
Nitrobenzene-d5 (S)	11	%	35-114	1	04/20/18 10:06	04/26/18 23:03	4165-60-0	S4
2-Fluorobiphenyl (S)	20	%	43-116	1	04/20/18 10:06	04/26/18 23:03	321-60-8	S4
p-Terphenyl-d14 (S)	60	%	33-141	1	04/20/18 10:06	04/26/18 23:03	1718-51-0	S4
Phenol-d5 (S)	7	%	10-110	1	04/20/18 10:06	04/26/18 23:03	4165-62-2	S4
2-Fluorophenol (S)	12	%	21-110	1	04/20/18 10:06	04/26/18 23:03	367-12-4	S4
2,4,6-Tribromophenol (S)	65	%	10-123	1	04/20/18 10:06	04/26/18 23:03	118-79-6	S4
2-Chlorophenol-d4 (S)	20	%	33-110	1	04/20/18 10:06	04/26/18 23:03	93951-73-6	S4
1,2-Dichlorobenzene-d4 (S)	10	%	16-110	1	04/20/18 10:06	04/26/18 23:03	2199-69-1	S0
8260C Volatile Organics								
Analytical Method: EPA 8260C/5030C								
1,1,1-Trichloroethane	<1.0	ug/L	1.0	1		04/20/18 16:08	71-55-6	
1,1,2,2-Tetrachloroethane	<1.0	ug/L	1.0	1		04/20/18 16:08	79-34-5	
1,1,2-Trichloroethane	<1.0	ug/L	1.0	1		04/20/18 16:08	79-00-5	
1,1,2-Trichlorotrifluoroethane	<1.0	ug/L	1.0	1		04/20/18 16:08	76-13-1	
1,1-Dichloroethane	<1.0	ug/L	1.0	1		04/20/18 16:08	75-34-3	L2
1,1-Dichloroethene	<1.0	ug/L	1.0	1		04/20/18 16:08	75-35-4	
1,2,4-Trichlorobenzene	<1.0	ug/L	1.0	1		04/20/18 16:08	120-82-1	
1,2-Dibromo-3-chloropropane	<1.0	ug/L	1.0	1		04/20/18 16:08	96-12-8	
1,2-Dibromoethane (EDB)	<1.0	ug/L	1.0	1		04/20/18 16:08	106-93-4	
1,2-Dichlorobenzene	<1.0	ug/L	1.0	1		04/20/18 16:08	95-50-1	
1,2-Dichloroethane	<1.0	ug/L	1.0	1		04/20/18 16:08	107-06-2	
1,2-Dichloropropane	<1.0	ug/L	1.0	1		04/20/18 16:08	78-87-5	
1,3-Dichlorobenzene	<1.0	ug/L	1.0	1		04/20/18 16:08	541-73-1	
1,4-Dichlorobenzene	<1.0	ug/L	1.0	1		04/20/18 16:08	106-46-7	
2-Butanone (MEK)	<5.0	ug/L	5.0	1		04/20/18 16:08	78-93-3	
2-Hexanone	<5.0	ug/L	5.0	1		04/20/18 16:08	591-78-6	
4-Methyl-2-pentanone (MIBK)	<5.0	ug/L	5.0	1		04/20/18 16:08	108-10-1	
Acetone	<5.0	ug/L	5.0	1		04/20/18 16:08	67-64-1	CL
Benzene	10.6	ug/L	1.0	1		04/20/18 16:08	71-43-2	
Bromodichloromethane	<1.0	ug/L	1.0	1		04/20/18 16:08	75-27-4	
Bromoform	<1.0	ug/L	1.0	1		04/20/18 16:08	75-25-2	
Bromomethane	<1.0	ug/L	1.0	1		04/20/18 16:08	74-83-9	
Carbon disulfide	<1.0	ug/L	1.0	1		04/20/18 16:08	75-15-0	
Carbon tetrachloride	<1.0	ug/L	1.0	1		04/20/18 16:08	56-23-5	
Chlorobenzene	<1.0	ug/L	1.0	1		04/20/18 16:08	108-90-7	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: FORMER COYNE TEXTILE 4/16

Pace Project No.: 7048576

Sample: GW 101S	Lab ID: 7048576002	Collected: 04/16/18 11:55	Received: 04/17/18 10:00	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260C Volatile Organics		Analytical Method: EPA 8260C/5030C						
Chloroethane	<1.0	ug/L	1.0	1		04/20/18 16:08	75-00-3	
Chloroform	<1.0	ug/L	1.0	1		04/20/18 16:08	67-66-3	
Chloromethane	<1.0	ug/L	1.0	1		04/20/18 16:08	74-87-3	
Cyclohexane	<1.0	ug/L	1.0	1		04/20/18 16:08	110-82-7	CL
Dibromochloromethane	<1.0	ug/L	1.0	1		04/20/18 16:08	124-48-1	
Dichlorodifluoromethane	<1.0	ug/L	1.0	1		04/20/18 16:08	75-71-8	CL
Ethylbenzene	<1.0	ug/L	1.0	1		04/20/18 16:08	100-41-4	
Isopropylbenzene (Cumene)	<1.0	ug/L	1.0	1		04/20/18 16:08	98-82-8	
Methyl acetate	<1.0	ug/L	1.0	1		04/20/18 16:08	79-20-9	CL
Methyl-tert-butyl ether	<1.0	ug/L	1.0	1		04/20/18 16:08	1634-04-4	
Methylcyclohexane	<1.0	ug/L	1.0	1		04/20/18 16:08	108-87-2	
Methylene Chloride	<1.0	ug/L	1.0	1		04/20/18 16:08	75-09-2	
Styrene	<1.0	ug/L	1.0	1		04/20/18 16:08	100-42-5	
Tetrachloroethene	<1.0	ug/L	1.0	1		04/20/18 16:08	127-18-4	
Toluene	<1.0	ug/L	1.0	1		04/20/18 16:08	108-88-3	
Trichloroethene	<1.0	ug/L	1.0	1		04/20/18 16:08	79-01-6	
Trichlorofluoromethane	<1.0	ug/L	1.0	1		04/20/18 16:08	75-69-4	
Vinyl chloride	<1.0	ug/L	1.0	1		04/20/18 16:08	75-01-4	CL
Xylene (Total)	<3.0	ug/L	3.0	1		04/20/18 16:08	1330-20-7	
cis-1,2-Dichloroethene	1.7	ug/L	1.0	1		04/20/18 16:08	156-59-2	
cis-1,3-Dichloropropene	<1.0	ug/L	1.0	1		04/20/18 16:08	10061-01-5	
trans-1,2-Dichloroethene	1.1	ug/L	1.0	1		04/20/18 16:08	156-60-5	
trans-1,3-Dichloropropene	<1.0	ug/L	1.0	1		04/20/18 16:08	10061-02-6	
Surrogates								
1,2-Dichloroethane-d4 (S)	90	%	68-153	1		04/20/18 16:08	17060-07-0	
4-Bromofluorobenzene (S)	100	%	79-124	1		04/20/18 16:08	460-00-4	
Toluene-d8 (S)	104	%	69-124	1		04/20/18 16:08	2037-26-5	

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ANALYTICAL RESULTS

Project: FORMER COYNE TEXTILE 4/16

Pace Project No.: 7048576

Sample: GW 1011	Lab ID: 7048576003	Collected: 04/16/18 12:45	Received: 04/17/18 10:00	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8082 GCS PCB								
Analytical Method: EPA 8082A Preparation Method: EPA 3510C								
PCB-1016 (Aroclor 1016)	<1.0	ug/L	1.0	1	04/19/18 06:28	04/19/18 20:17	12674-11-2	
PCB-1221 (Aroclor 1221)	<2.0	ug/L	2.0	1	04/19/18 06:28	04/19/18 20:17	11104-28-2	
PCB-1232 (Aroclor 1232)	<1.0	ug/L	1.0	1	04/19/18 06:28	04/19/18 20:17	11141-16-5	
PCB-1242 (Aroclor 1242)	<1.0	ug/L	1.0	1	04/19/18 06:28	04/19/18 20:17	53469-21-9	
PCB-1248 (Aroclor 1248)	<1.0	ug/L	1.0	1	04/19/18 06:28	04/19/18 20:17	12672-29-6	
PCB-1254 (Aroclor 1254)	<1.0	ug/L	1.0	1	04/19/18 06:28	04/19/18 20:17	11097-69-1	
PCB-1260 (Aroclor 1260)	<1.0	ug/L	1.0	1	04/19/18 06:28	04/19/18 20:17	11096-82-5	
Surrogates								
Tetrachloro-m-xylene (S)	56	%	30-150	1	04/19/18 06:28	04/19/18 20:17	877-09-8	
Decachlorobiphenyl (S)	49	%	30-150	1	04/19/18 06:28	04/19/18 20:17	2051-24-3	
200.7 Metals, Total								
Analytical Method: EPA 200.7 Preparation Method: EPA 200.7								
Aluminum	10500	ug/L	200	1	04/18/18 09:20	04/18/18 23:34	7429-90-5	
Antimony	<60.0	ug/L	60.0	1	04/18/18 09:20	04/18/18 23:34	7440-36-0	
Arsenic	19.8	ug/L	10.0	1	04/18/18 09:20	04/18/18 23:34	7440-38-2	
Barium	<200	ug/L	200	1	04/18/18 09:20	04/18/18 23:34	7440-39-3	
Beryllium	7.0	ug/L	5.0	1	04/18/18 09:20	04/18/18 23:34	7440-41-7	
Cadmium	<2.5	ug/L	2.5	1	04/18/18 09:20	04/18/18 23:34	7440-43-9	
Calcium	329000	ug/L	1000	1	04/18/18 09:20	04/18/18 23:34	7440-70-2	
Chromium	27.0	ug/L	10.0	1	04/18/18 09:20	04/18/18 23:34	7440-47-3	
Cobalt	<50.0	ug/L	50.0	1	04/18/18 09:20	04/18/18 23:34	7440-48-4	
Copper	1070	ug/L	25.0	1	04/18/18 09:20	04/18/18 23:34	7440-50-8	
Iron	20700	ug/L	20.0	1	04/18/18 09:20	04/18/18 23:34	7439-89-6	
Lead	12.8	ug/L	5.0	1	04/18/18 09:20	04/18/18 23:34	7439-92-1	
Magnesium	93200	ug/L	1000	1	04/18/18 09:20	04/18/18 23:34	7439-95-4	
Manganese	854	ug/L	10.0	1	04/18/18 09:20	04/18/18 23:34	7439-96-5	
Nickel	<40.0	ug/L	40.0	1	04/18/18 09:20	04/18/18 23:34	7440-02-0	
Potassium	<5000	ug/L	5000	1	04/18/18 09:20	04/18/18 23:34	7440-09-7	
Selenium	<10.0	ug/L	10.0	1	04/18/18 09:20	04/18/18 23:34	7782-49-2	
Silver	<10.0	ug/L	10.0	1	04/18/18 09:20	04/18/18 23:34	7440-22-4	
Sodium	44600	ug/L	5000	1	04/18/18 09:20	04/18/18 23:34	7440-23-5	
Thallium	<10.0	ug/L	10.0	1	04/18/18 09:20	04/18/18 23:34	7440-28-0	
Vanadium	<50.0	ug/L	50.0	1	04/18/18 09:20	04/18/18 23:34	7440-62-2	
Zinc	291	ug/L	20.0	1	04/18/18 09:20	04/18/18 23:34	7440-66-6	
7470 Mercury								
Analytical Method: EPA 7470A Preparation Method: EPA 7470A								
Mercury	<0.20	ug/L	0.20	1	04/18/18 10:56	04/19/18 12:35	7439-97-6	
8270 MSSV								
Analytical Method: EPA 8270D Preparation Method: EPA 3510C								
Acenaphthene	<5.0	ug/L	5.0	1	04/20/18 10:06	04/26/18 17:34	83-32-9	
Acenaphthylene	<5.0	ug/L	5.0	1	04/20/18 10:06	04/26/18 17:34	208-96-8	
Acetophenone	<5.0	ug/L	5.0	1	04/20/18 10:06	04/26/18 17:34	98-86-2	
Anthracene	<5.0	ug/L	5.0	1	04/20/18 10:06	04/26/18 17:34	120-12-7	
Atrazine	<5.0	ug/L	5.0	1	04/20/18 10:06	04/26/18 17:34	1912-24-9	L2,M0
Benzaldehyde	<5.0	ug/L	5.0	1	04/20/18 10:06	04/26/18 17:34	100-52-7	CL,M1
Benzo(a)anthracene	<5.0	ug/L	5.0	1	04/20/18 10:06	04/26/18 17:34	56-55-3	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: FORMER COYNE TEXTILE 4/16

Pace Project No.: 7048576

Sample: GW 1011	Lab ID: 7048576003	Collected: 04/16/18 12:45	Received: 04/17/18 10:00	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV		Analytical Method: EPA 8270D Preparation Method: EPA 3510C						
Benzo(a)pyrene	<5.0	ug/L	5.0	1	04/20/18 10:06	04/26/18 17:34	50-32-8	
Benzo(b)fluoranthene	<5.0	ug/L	5.0	1	04/20/18 10:06	04/26/18 17:34	205-99-2	
Benzo(g,h,i)perylene	<5.0	ug/L	5.0	1	04/20/18 10:06	04/26/18 17:34	191-24-2	
Benzo(k)fluoranthene	<5.0	ug/L	5.0	1	04/20/18 10:06	04/26/18 17:34	207-08-9	
Biphenyl (Diphenyl)	<5.0	ug/L	5.0	1	04/20/18 10:06	04/26/18 17:34	92-52-4	
4-Bromophenylphenyl ether	<5.0	ug/L	5.0	1	04/20/18 10:06	04/26/18 17:34	101-55-3	
Butylbenzylphthalate	<5.0	ug/L	5.0	1	04/20/18 10:06	04/26/18 17:34	85-68-7	
Caprolactam	<5.0	ug/L	5.0	1	04/20/18 10:06	04/26/18 17:34	105-60-2	
Carbazole	<5.0	ug/L	5.0	1	04/20/18 10:06	04/26/18 17:34	86-74-8	
4-Chloro-3-methylphenol	<5.0	ug/L	5.0	1	04/20/18 10:06	04/26/18 17:34	59-50-7	
4-Chloroaniline	<5.0	ug/L	5.0	1	04/20/18 10:06	04/26/18 17:34	106-47-8	
bis(2-Chloroethoxy)methane	<5.0	ug/L	5.0	1	04/20/18 10:06	04/26/18 17:34	111-91-1	
bis(2-Chloroethyl) ether	<5.0	ug/L	5.0	1	04/20/18 10:06	04/26/18 17:34	111-44-4	CL
2-Chloronaphthalene	<5.0	ug/L	5.0	1	04/20/18 10:06	04/26/18 17:34	91-58-7	
2-Chlorophenol	<5.0	ug/L	5.0	1	04/20/18 10:06	04/26/18 17:34	95-57-8	
4-Chlorophenylphenyl ether	<5.0	ug/L	5.0	1	04/20/18 10:06	04/26/18 17:34	7005-72-3	
Chrysene	<5.0	ug/L	5.0	1	04/20/18 10:06	04/26/18 17:34	218-01-9	
Dibenz(a,h)anthracene	<5.0	ug/L	5.0	1	04/20/18 10:06	04/26/18 17:34	53-70-3	
Dibenzofuran	<5.0	ug/L	5.0	1	04/20/18 10:06	04/26/18 17:34	132-64-9	
3,3'-Dichlorobenzidine	<5.0	ug/L	5.0	1	04/20/18 10:06	04/26/18 17:34	91-94-1	
2,4-Dichlorophenol	<5.0	ug/L	5.0	1	04/20/18 10:06	04/26/18 17:34	120-83-2	
Diethylphthalate	<5.0	ug/L	5.0	1	04/20/18 10:06	04/26/18 17:34	84-66-2	
2,4-Dimethylphenol	<5.0	ug/L	5.0	1	04/20/18 10:06	04/26/18 17:34	105-67-9	L2
Dimethylphthalate	<5.0	ug/L	5.0	1	04/20/18 10:06	04/26/18 17:34	131-11-3	
Di-n-butylphthalate	<5.0	ug/L	5.0	1	04/20/18 10:06	04/26/18 17:34	84-74-2	
4,6-Dinitro-2-methylphenol	<10.0	ug/L	10.0	1	04/20/18 10:06	04/26/18 17:34	534-52-1	
2,4-Dinitrophenol	<10.0	ug/L	10.0	1	04/20/18 10:06	04/26/18 17:34	51-28-5	
2,4-Dinitrotoluene	<5.0	ug/L	5.0	1	04/20/18 10:06	04/26/18 17:34	121-14-2	
2,6-Dinitrotoluene	<5.0	ug/L	5.0	1	04/20/18 10:06	04/26/18 17:34	606-20-2	
Di-n-octylphthalate	<5.0	ug/L	5.0	1	04/20/18 10:06	04/26/18 17:34	117-84-0	
bis(2-Ethylhexyl)phthalate	<5.0	ug/L	5.0	1	04/20/18 10:06	04/26/18 17:34	117-81-7	
Fluoranthene	<5.0	ug/L	5.0	1	04/20/18 10:06	04/26/18 17:34	206-44-0	
Fluorene	<5.0	ug/L	5.0	1	04/20/18 10:06	04/26/18 17:34	86-73-7	
Hexachloro-1,3-butadiene	<5.0	ug/L	5.0	1	04/20/18 10:06	04/26/18 17:34	87-68-3	
Hexachlorobenzene	<5.0	ug/L	5.0	1	04/20/18 10:06	04/26/18 17:34	118-74-1	
Hexachlorocyclopentadiene	<5.0	ug/L	5.0	1	04/20/18 10:06	04/26/18 17:34	77-47-4	CL
Hexachloroethane	<5.0	ug/L	5.0	1	04/20/18 10:06	04/26/18 17:34	67-72-1	
Indeno(1,2,3-cd)pyrene	<5.0	ug/L	5.0	1	04/20/18 10:06	04/26/18 17:34	193-39-5	
Isophorone	<5.0	ug/L	5.0	1	04/20/18 10:06	04/26/18 17:34	78-59-1	
2-Methylnaphthalene	<5.0	ug/L	5.0	1	04/20/18 10:06	04/26/18 17:34	91-57-6	
2-Methylphenol(o-Cresol)	<5.0	ug/L	5.0	1	04/20/18 10:06	04/26/18 17:34	95-48-7	
3&4-Methylphenol(m&p Cresol)	<5.0	ug/L	5.0	1	04/20/18 10:06	04/26/18 17:34		
Naphthalene	<5.0	ug/L	5.0	1	04/20/18 10:06	04/26/18 17:34	91-20-3	
2-Nitroaniline	<5.0	ug/L	5.0	1	04/20/18 10:06	04/26/18 17:34	88-74-4	CL
3-Nitroaniline	<5.0	ug/L	5.0	1	04/20/18 10:06	04/26/18 17:34	99-09-2	
4-Nitroaniline	<5.0	ug/L	5.0	1	04/20/18 10:06	04/26/18 17:34	100-01-6	
Nitrobenzene	<5.0	ug/L	5.0	1	04/20/18 10:06	04/26/18 17:34	98-95-3	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: FORMER COYNE TEXTILE 4/16

Pace Project No.: 7048576

Sample: GW 1011	Lab ID: 7048576003	Collected: 04/16/18 12:45	Received: 04/17/18 10:00	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV								
Analytical Method: EPA 8270D Preparation Method: EPA 3510C								
2-Nitrophenol	<5.0	ug/L	5.0	1	04/20/18 10:06	04/26/18 17:34	88-75-5	
4-Nitrophenol	<10.0	ug/L	10.0	1	04/20/18 10:06	04/26/18 17:34	100-02-7	
N-Nitroso-di-n-propylamine	<5.0	ug/L	5.0	1	04/20/18 10:06	04/26/18 17:34	621-64-7	CL
N-Nitrosodiphenylamine	<5.0	ug/L	5.0	1	04/20/18 10:06	04/26/18 17:34	86-30-6	
2,2'-Oxybis(1-chloropropane)	<5.0	ug/L	5.0	1	04/20/18 10:06	04/26/18 17:34	108-60-1	CL,L2, MO
Pentachlorophenol	<10.0	ug/L	10.0	1	04/20/18 10:06	04/26/18 17:34	87-86-5	
Phenanthrene	<5.0	ug/L	5.0	1	04/20/18 10:06	04/26/18 17:34	85-01-8	
Phenol	<5.0	ug/L	5.0	1	04/20/18 10:06	04/26/18 17:34	108-95-2	
Pyrene	<5.0	ug/L	5.0	1	04/20/18 10:06	04/26/18 17:34	129-00-0	
2,4,5-Trichlorophenol	<5.0	ug/L	5.0	1	04/20/18 10:06	04/26/18 17:34	95-95-4	
2,4,6-Trichlorophenol	<5.0	ug/L	5.0	1	04/20/18 10:06	04/26/18 17:34	88-06-2	
Surrogates								
Nitrobenzene-d5 (S)	45	%	35-114	1	04/20/18 10:06	04/26/18 17:34	4165-60-0	
2-Fluorobiphenyl (S)	57	%	43-116	1	04/20/18 10:06	04/26/18 17:34	321-60-8	
p-Terphenyl-d14 (S)	65	%	33-141	1	04/20/18 10:06	04/26/18 17:34	1718-51-0	
Phenol-d5 (S)	24	%	10-110	1	04/20/18 10:06	04/26/18 17:34	4165-62-2	
2-Fluorophenol (S)	37	%	21-110	1	04/20/18 10:06	04/26/18 17:34	367-12-4	
2,4,6-Tribromophenol (S)	87	%	10-123	1	04/20/18 10:06	04/26/18 17:34	118-79-6	
2-Chlorophenol-d4 (S)	57	%	33-110	1	04/20/18 10:06	04/26/18 17:34	93951-73-6	
1,2-Dichlorobenzene-d4 (S)	48	%	16-110	1	04/20/18 10:06	04/26/18 17:34	2199-69-1	
8260C Volatile Organics								
Analytical Method: EPA 8260C/5030C								
1,1,1-Trichloroethane	<1.0	ug/L	1.0	1		04/20/18 16:33	71-55-6	
1,1,2,2-Tetrachloroethane	<1.0	ug/L	1.0	1		04/20/18 16:33	79-34-5	
1,1,2-Trichloroethane	<1.0	ug/L	1.0	1		04/20/18 16:33	79-00-5	
1,1,2-Trichlorotrifluoroethane	<1.0	ug/L	1.0	1		04/20/18 16:33	76-13-1	
1,1-Dichloroethane	<1.0	ug/L	1.0	1		04/20/18 16:33	75-34-3	L2
1,1-Dichloroethene	<1.0	ug/L	1.0	1		04/20/18 16:33	75-35-4	
1,2,4-Trichlorobenzene	<1.0	ug/L	1.0	1		04/20/18 16:33	120-82-1	
1,2-Dibromo-3-chloropropane	<1.0	ug/L	1.0	1		04/20/18 16:33	96-12-8	
1,2-Dibromoethane (EDB)	<1.0	ug/L	1.0	1		04/20/18 16:33	106-93-4	
1,2-Dichlorobenzene	<1.0	ug/L	1.0	1		04/20/18 16:33	95-50-1	
1,2-Dichloroethane	<1.0	ug/L	1.0	1		04/20/18 16:33	107-06-2	
1,2-Dichloropropane	<1.0	ug/L	1.0	1		04/20/18 16:33	78-87-5	
1,3-Dichlorobenzene	<1.0	ug/L	1.0	1		04/20/18 16:33	541-73-1	
1,4-Dichlorobenzene	<1.0	ug/L	1.0	1		04/20/18 16:33	106-46-7	
2-Butanone (MEK)	<5.0	ug/L	5.0	1		04/20/18 16:33	78-93-3	
2-Hexanone	<5.0	ug/L	5.0	1		04/20/18 16:33	591-78-6	
4-Methyl-2-pentanone (MIBK)	<5.0	ug/L	5.0	1		04/20/18 16:33	108-10-1	
Acetone	9.5	ug/L	5.0	1		04/20/18 16:33	67-64-1	CL
Benzene	<1.0	ug/L	1.0	1		04/20/18 16:33	71-43-2	
Bromodichloromethane	<1.0	ug/L	1.0	1		04/20/18 16:33	75-27-4	
Bromoform	<1.0	ug/L	1.0	1		04/20/18 16:33	75-25-2	
Bromomethane	<1.0	ug/L	1.0	1		04/20/18 16:33	74-83-9	
Carbon disulfide	<1.0	ug/L	1.0	1		04/20/18 16:33	75-15-0	
Carbon tetrachloride	<1.0	ug/L	1.0	1		04/20/18 16:33	56-23-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: FORMER COYNE TEXTILE 4/16

Pace Project No.: 7048576

Sample: GW 1011	Lab ID: 7048576003	Collected: 04/16/18 12:45	Received: 04/17/18 10:00	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260C Volatile Organics		Analytical Method: EPA 8260C/5030C						
Chlorobenzene	<1.0	ug/L	1.0	1		04/20/18 16:33	108-90-7	
Chloroethane	<1.0	ug/L	1.0	1		04/20/18 16:33	75-00-3	
Chloroform	<1.0	ug/L	1.0	1		04/20/18 16:33	67-66-3	
Chloromethane	<1.0	ug/L	1.0	1		04/20/18 16:33	74-87-3	
Cyclohexane	1.0	ug/L	1.0	1		04/20/18 16:33	110-82-7	CL
Dibromochloromethane	<1.0	ug/L	1.0	1		04/20/18 16:33	124-48-1	
Dichlorodifluoromethane	<1.0	ug/L	1.0	1		04/20/18 16:33	75-71-8	CL
Ethylbenzene	<1.0	ug/L	1.0	1		04/20/18 16:33	100-41-4	
Isopropylbenzene (Cumene)	<1.0	ug/L	1.0	1		04/20/18 16:33	98-82-8	
Methyl acetate	<1.0	ug/L	1.0	1		04/20/18 16:33	79-20-9	CL
Methyl-tert-butyl ether	<1.0	ug/L	1.0	1		04/20/18 16:33	1634-04-4	
Methylcyclohexane	1.2	ug/L	1.0	1		04/20/18 16:33	108-87-2	
Methylene Chloride	<1.0	ug/L	1.0	1		04/20/18 16:33	75-09-2	
Styrene	<1.0	ug/L	1.0	1		04/20/18 16:33	100-42-5	
Tetrachloroethene	<1.0	ug/L	1.0	1		04/20/18 16:33	127-18-4	
Toluene	1.5	ug/L	1.0	1		04/20/18 16:33	108-88-3	
Trichloroethene	<1.0	ug/L	1.0	1		04/20/18 16:33	79-01-6	
Trichlorofluoromethane	<1.0	ug/L	1.0	1		04/20/18 16:33	75-69-4	
Vinyl chloride	<1.0	ug/L	1.0	1		04/20/18 16:33	75-01-4	CL
Xylene (Total)	<3.0	ug/L	3.0	1		04/20/18 16:33	1330-20-7	
cis-1,2-Dichloroethene	<1.0	ug/L	1.0	1		04/20/18 16:33	156-59-2	
cis-1,3-Dichloropropene	<1.0	ug/L	1.0	1		04/20/18 16:33	10061-01-5	
trans-1,2-Dichloroethene	<1.0	ug/L	1.0	1		04/20/18 16:33	156-60-5	
trans-1,3-Dichloropropene	<1.0	ug/L	1.0	1		04/20/18 16:33	10061-02-6	
Surrogates								
1,2-Dichloroethane-d4 (S)	91	%	68-153	1		04/20/18 16:33	17060-07-0	
4-Bromofluorobenzene (S)	103	%	79-124	1		04/20/18 16:33	460-00-4	
Toluene-d8 (S)	102	%	69-124	1		04/20/18 16:33	2037-26-5	

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ANALYTICAL RESULTS

Project: FORMER COYNE TEXTILE 4/16

Pace Project No.: 7048576

Sample: TEMP-GW001	Lab ID: 7048576004	Collected: 04/16/18 14:10	Received: 04/17/18 10:00	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV								
Analytical Method: EPA 8270D Preparation Method: EPA 3510C								
Acenaphthene	<5.0	ug/L	5.0	1	04/20/18 10:06	04/26/18 19:23	83-32-9	
Acenaphthylene	<5.0	ug/L	5.0	1	04/20/18 10:06	04/26/18 19:23	208-96-8	
Acetophenone	<5.0	ug/L	5.0	1	04/20/18 10:06	04/26/18 19:23	98-86-2	
Anthracene	<5.0	ug/L	5.0	1	04/20/18 10:06	04/26/18 19:23	120-12-7	
Atrazine	<5.0	ug/L	5.0	1	04/20/18 10:06	04/26/18 19:23	1912-24-9	L2
Benzaldehyde	<5.0	ug/L	5.0	1	04/20/18 10:06	04/26/18 19:23	100-52-7	CL
Benzo(a)anthracene	<5.0	ug/L	5.0	1	04/20/18 10:06	04/26/18 19:23	56-55-3	
Benzo(a)pyrene	<5.0	ug/L	5.0	1	04/20/18 10:06	04/26/18 19:23	50-32-8	
Benzo(b)fluoranthene	<5.0	ug/L	5.0	1	04/20/18 10:06	04/26/18 19:23	205-99-2	
Benzo(g,h,i)perylene	<5.0	ug/L	5.0	1	04/20/18 10:06	04/26/18 19:23	191-24-2	
Benzo(k)fluoranthene	<5.0	ug/L	5.0	1	04/20/18 10:06	04/26/18 19:23	207-08-9	
Biphenyl (Diphenyl)	<5.0	ug/L	5.0	1	04/20/18 10:06	04/26/18 19:23	92-52-4	
4-Bromophenylphenyl ether	<5.0	ug/L	5.0	1	04/20/18 10:06	04/26/18 19:23	101-55-3	
Butylbenzylphthalate	<5.0	ug/L	5.0	1	04/20/18 10:06	04/26/18 19:23	85-68-7	
Caprolactam	<5.0	ug/L	5.0	1	04/20/18 10:06	04/26/18 19:23	105-60-2	
Carbazole	<5.0	ug/L	5.0	1	04/20/18 10:06	04/26/18 19:23	86-74-8	
4-Chloro-3-methylphenol	<5.0	ug/L	5.0	1	04/20/18 10:06	04/26/18 19:23	59-50-7	
4-Chloroaniline	<5.0	ug/L	5.0	1	04/20/18 10:06	04/26/18 19:23	106-47-8	
bis(2-Chloroethoxy)methane	<5.0	ug/L	5.0	1	04/20/18 10:06	04/26/18 19:23	111-91-1	
bis(2-Chloroethyl) ether	<5.0	ug/L	5.0	1	04/20/18 10:06	04/26/18 19:23	111-44-4	CL
2-Chloronaphthalene	<5.0	ug/L	5.0	1	04/20/18 10:06	04/26/18 19:23	91-58-7	
2-Chlorophenol	<5.0	ug/L	5.0	1	04/20/18 10:06	04/26/18 19:23	95-57-8	
4-Chlorophenylphenyl ether	<5.0	ug/L	5.0	1	04/20/18 10:06	04/26/18 19:23	7005-72-3	
Chrysene	<5.0	ug/L	5.0	1	04/20/18 10:06	04/26/18 19:23	218-01-9	
Dibenz(a,h)anthracene	<5.0	ug/L	5.0	1	04/20/18 10:06	04/26/18 19:23	53-70-3	
Dibenzofuran	<5.0	ug/L	5.0	1	04/20/18 10:06	04/26/18 19:23	132-64-9	
3,3'-Dichlorobenzidine	<5.0	ug/L	5.0	1	04/20/18 10:06	04/26/18 19:23	91-94-1	
2,4-Dichlorophenol	<5.0	ug/L	5.0	1	04/20/18 10:06	04/26/18 19:23	120-83-2	
Diethylphthalate	<5.0	ug/L	5.0	1	04/20/18 10:06	04/26/18 19:23	84-66-2	
2,4-Dimethylphenol	<5.0	ug/L	5.0	1	04/20/18 10:06	04/26/18 19:23	105-67-9	L2
Dimethylphthalate	<5.0	ug/L	5.0	1	04/20/18 10:06	04/26/18 19:23	131-11-3	
Di-n-butylphthalate	<5.0	ug/L	5.0	1	04/20/18 10:06	04/26/18 19:23	84-74-2	
4,6-Dinitro-2-methylphenol	<10.0	ug/L	10.0	1	04/20/18 10:06	04/26/18 19:23	534-52-1	
2,4-Dinitrophenol	<10.0	ug/L	10.0	1	04/20/18 10:06	04/26/18 19:23	51-28-5	
2,4-Dinitrotoluene	<5.0	ug/L	5.0	1	04/20/18 10:06	04/26/18 19:23	121-14-2	
2,6-Dinitrotoluene	<5.0	ug/L	5.0	1	04/20/18 10:06	04/26/18 19:23	606-20-2	
Di-n-octylphthalate	<5.0	ug/L	5.0	1	04/20/18 10:06	04/26/18 19:23	117-84-0	
bis(2-Ethylhexyl)phthalate	11.0	ug/L	5.0	1	04/20/18 10:06	04/26/18 19:23	117-81-7	
Fluoranthene	<5.0	ug/L	5.0	1	04/20/18 10:06	04/26/18 19:23	206-44-0	
Fluorene	<5.0	ug/L	5.0	1	04/20/18 10:06	04/26/18 19:23	86-73-7	
Hexachloro-1,3-butadiene	<5.0	ug/L	5.0	1	04/20/18 10:06	04/26/18 19:23	87-68-3	
Hexachlorobenzene	<5.0	ug/L	5.0	1	04/20/18 10:06	04/26/18 19:23	118-74-1	
Hexachlorocyclopentadiene	<5.0	ug/L	5.0	1	04/20/18 10:06	04/26/18 19:23	77-47-4	CL
Hexachloroethane	<5.0	ug/L	5.0	1	04/20/18 10:06	04/26/18 19:23	67-72-1	
Indeno(1,2,3-cd)pyrene	<5.0	ug/L	5.0	1	04/20/18 10:06	04/26/18 19:23	193-39-5	
Isophorone	<5.0	ug/L	5.0	1	04/20/18 10:06	04/26/18 19:23	78-59-1	
2-Methylnaphthalene	<5.0	ug/L	5.0	1	04/20/18 10:06	04/26/18 19:23	91-57-6	

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ANALYTICAL RESULTS

Project: FORMER COYNE TEXTILE 4/16

Pace Project No.: 7048576

Sample: TEMP-GW001	Lab ID: 7048576004	Collected: 04/16/18 14:10	Received: 04/17/18 10:00	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV		Analytical Method: EPA 8270D Preparation Method: EPA 3510C						
2-Methylphenol(o-Cresol)	<5.0	ug/L	5.0	1	04/20/18 10:06	04/26/18 19:23	95-48-7	
3&4-Methylphenol(m&p Cresol)	<5.0	ug/L	5.0	1	04/20/18 10:06	04/26/18 19:23		
Naphthalene	<5.0	ug/L	5.0	1	04/20/18 10:06	04/26/18 19:23	91-20-3	
2-Nitroaniline	<5.0	ug/L	5.0	1	04/20/18 10:06	04/26/18 19:23	88-74-4	CL
3-Nitroaniline	<5.0	ug/L	5.0	1	04/20/18 10:06	04/26/18 19:23	99-09-2	
4-Nitroaniline	<5.0	ug/L	5.0	1	04/20/18 10:06	04/26/18 19:23	100-01-6	
Nitrobenzene	<5.0	ug/L	5.0	1	04/20/18 10:06	04/26/18 19:23	98-95-3	
2-Nitrophenol	<5.0	ug/L	5.0	1	04/20/18 10:06	04/26/18 19:23	88-75-5	
4-Nitrophenol	<10.0	ug/L	10.0	1	04/20/18 10:06	04/26/18 19:23	100-02-7	
N-Nitroso-di-n-propylamine	<5.0	ug/L	5.0	1	04/20/18 10:06	04/26/18 19:23	621-64-7	CL
N-Nitrosodiphenylamine	<5.0	ug/L	5.0	1	04/20/18 10:06	04/26/18 19:23	86-30-6	
2,2'-Oxybis(1-chloropropane)	<5.0	ug/L	5.0	1	04/20/18 10:06	04/26/18 19:23	108-60-1	CL,L2
Pentachlorophenol	<10.0	ug/L	10.0	1	04/20/18 10:06	04/26/18 19:23	87-86-5	
Phenanthrene	<5.0	ug/L	5.0	1	04/20/18 10:06	04/26/18 19:23	85-01-8	
Phenol	<5.0	ug/L	5.0	1	04/20/18 10:06	04/26/18 19:23	108-95-2	
Pyrene	<5.0	ug/L	5.0	1	04/20/18 10:06	04/26/18 19:23	129-00-0	
2,4,5-Trichlorophenol	<5.0	ug/L	5.0	1	04/20/18 10:06	04/26/18 19:23	95-95-4	
2,4,6-Trichlorophenol	<5.0	ug/L	5.0	1	04/20/18 10:06	04/26/18 19:23	88-06-2	
Surrogates								
Nitrobenzene-d5 (S)	55	%	35-114	1	04/20/18 10:06	04/26/18 19:23	4165-60-0	
2-Fluorobiphenyl (S)	75	%	43-116	1	04/20/18 10:06	04/26/18 19:23	321-60-8	
p-Terphenyl-d14 (S)	73	%	33-141	1	04/20/18 10:06	04/26/18 19:23	1718-51-0	
Phenol-d5 (S)	25	%	10-110	1	04/20/18 10:06	04/26/18 19:23	4165-62-2	
2-Fluorophenol (S)	38	%	21-110	1	04/20/18 10:06	04/26/18 19:23	367-12-4	
2,4,6-Tribromophenol (S)	117	%	10-123	1	04/20/18 10:06	04/26/18 19:23	118-79-6	E
2-Chlorophenol-d4 (S)	59	%	33-110	1	04/20/18 10:06	04/26/18 19:23	93951-73-6	
1,2-Dichlorobenzene-d4 (S)	55	%	16-110	1	04/20/18 10:06	04/26/18 19:23	2199-69-1	
8260C Volatile Organics		Analytical Method: EPA 8260C/5030C						
1,1,1-Trichloroethane	<1.0	ug/L	1.0	1		04/20/18 16:58	71-55-6	
1,1,2,2-Tetrachloroethane	<1.0	ug/L	1.0	1		04/20/18 16:58	79-34-5	
1,1,2-Trichloroethane	<1.0	ug/L	1.0	1		04/20/18 16:58	79-00-5	
1,1,2-Trichlorotrifluoroethane	<1.0	ug/L	1.0	1		04/20/18 16:58	76-13-1	
1,1-Dichloroethane	<1.0	ug/L	1.0	1		04/20/18 16:58	75-34-3	L2
1,1-Dichloroethene	18.0	ug/L	1.0	1		04/20/18 16:58	75-35-4	
1,2,4-Trichlorobenzene	<1.0	ug/L	1.0	1		04/20/18 16:58	120-82-1	
1,2-Dibromo-3-chloropropane	<1.0	ug/L	1.0	1		04/20/18 16:58	96-12-8	
1,2-Dibromoethane (EDB)	<1.0	ug/L	1.0	1		04/20/18 16:58	106-93-4	
1,2-Dichlorobenzene	<1.0	ug/L	1.0	1		04/20/18 16:58	95-50-1	
1,2-Dichloroethane	<1.0	ug/L	1.0	1		04/20/18 16:58	107-06-2	
1,2-Dichloropropane	<1.0	ug/L	1.0	1		04/20/18 16:58	78-87-5	
1,3-Dichlorobenzene	<1.0	ug/L	1.0	1		04/20/18 16:58	541-73-1	
1,4-Dichlorobenzene	<1.0	ug/L	1.0	1		04/20/18 16:58	106-46-7	
2-Butanone (MEK)	<5.0	ug/L	5.0	1		04/20/18 16:58	78-93-3	
2-Hexanone	<5.0	ug/L	5.0	1		04/20/18 16:58	591-78-6	
4-Methyl-2-pentanone (MIBK)	<5.0	ug/L	5.0	1		04/20/18 16:58	108-10-1	
Acetone	<5.0	ug/L	5.0	1		04/20/18 16:58	67-64-1	CL

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: FORMER COYNE TEXTILE 4/16

Pace Project No.: 7048576

Sample: TEMP-GW001	Lab ID: 7048576004	Collected: 04/16/18 14:10	Received: 04/17/18 10:00	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260C Volatile Organics		Analytical Method: EPA 8260C/5030C						
Benzene	<1.0	ug/L	1.0	1		04/20/18 16:58	71-43-2	
Bromodichloromethane	<1.0	ug/L	1.0	1		04/20/18 16:58	75-27-4	
Bromoform	<1.0	ug/L	1.0	1		04/20/18 16:58	75-25-2	
Bromomethane	<1.0	ug/L	1.0	1		04/20/18 16:58	74-83-9	
Carbon disulfide	1.1	ug/L	1.0	1		04/20/18 16:58	75-15-0	
Carbon tetrachloride	<1.0	ug/L	1.0	1		04/20/18 16:58	56-23-5	
Chlorobenzene	<1.0	ug/L	1.0	1		04/20/18 16:58	108-90-7	
Chloroethane	<1.0	ug/L	1.0	1		04/20/18 16:58	75-00-3	
Chloroform	<1.0	ug/L	1.0	1		04/20/18 16:58	67-66-3	
Chloromethane	<1.0	ug/L	1.0	1		04/20/18 16:58	74-87-3	
Cyclohexane	<1.0	ug/L	1.0	1		04/20/18 16:58	110-82-7	CL
Dibromochloromethane	<1.0	ug/L	1.0	1		04/20/18 16:58	124-48-1	
Dichlorodifluoromethane	<1.0	ug/L	1.0	1		04/20/18 16:58	75-71-8	CL
Ethylbenzene	4.3	ug/L	1.0	1		04/20/18 16:58	100-41-4	
Isopropylbenzene (Cumene)	18.4	ug/L	1.0	1		04/20/18 16:58	98-82-8	
Methyl acetate	<1.0	ug/L	1.0	1		04/20/18 16:58	79-20-9	CL
Methyl-tert-butyl ether	<1.0	ug/L	1.0	1		04/20/18 16:58	1634-04-4	
Methylcyclohexane	<1.0	ug/L	1.0	1		04/20/18 16:58	108-87-2	
Methylene Chloride	<1.0	ug/L	1.0	1		04/20/18 16:58	75-09-2	
Styrene	<1.0	ug/L	1.0	1		04/20/18 16:58	100-42-5	
Tetrachloroethene	21400	ug/L	400	400		04/20/18 17:48	127-18-4	
Toluene	4.6	ug/L	1.0	1		04/20/18 16:58	108-88-3	
Trichloroethene	1980	ug/L	400	400		04/20/18 17:48	79-01-6	
Trichlorofluoromethane	<1.0	ug/L	1.0	1		04/20/18 16:58	75-69-4	
Vinyl chloride	1560	ug/L	400	400		04/20/18 17:48	75-01-4	CL
Xylene (Total)	6.2	ug/L	3.0	1		04/20/18 16:58	1330-20-7	
cis-1,2-Dichloroethene	4550	ug/L	400	400		04/20/18 17:48	156-59-2	
cis-1,3-Dichloropropene	<1.0	ug/L	1.0	1		04/20/18 16:58	10061-01-5	
trans-1,2-Dichloroethene	27.5	ug/L	1.0	1		04/20/18 16:58	156-60-5	
trans-1,3-Dichloropropene	<1.0	ug/L	1.0	1		04/20/18 16:58	10061-02-6	
Surrogates								
1,2-Dichloroethane-d4 (S)	91	%	68-153	1		04/20/18 16:58	17060-07-0	
4-Bromofluorobenzene (S)	303	%	79-124	1		04/20/18 16:58	460-00-4	SO
Toluene-d8 (S)	86	%	69-124	1		04/20/18 16:58	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: FORMER COYNE TEXTILE 4/16

Pace Project No.: 7048576

QC Batch: 64013

Analysis Method: EPA 7470A

QC Batch Method: EPA 7470A

Analysis Description: 7470 Mercury

Associated Lab Samples: 7048576001, 7048576002, 7048576003

METHOD BLANK: 293797

Matrix: Water

Associated Lab Samples: 7048576001, 7048576002, 7048576003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury	ug/L	<0.20	0.20	04/19/18 12:19	

LABORATORY CONTROL SAMPLE: 293798

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	1	1.1	110	80-120	

MATRIX SPIKE SAMPLE: 293799

Parameter	Units	7048576002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	<0.20	1	1.1	94	75-125	

SAMPLE DUPLICATE: 293800

Parameter	Units	7048576002 Result	Dup Result	RPD	Qualifiers
Mercury	ug/L	<0.20	<0.20		

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QUALITY CONTROL DATA

Project: FORMER COYNE TEXTILE 4/16

Pace Project No.: 7048576

QC Batch: 64027 Analysis Method: EPA 200.7
 QC Batch Method: EPA 200.7 Analysis Description: 200.7 Metals, Total
 Associated Lab Samples: 7048576001, 7048576002, 7048576003

METHOD BLANK: 293890 Matrix: Water

Associated Lab Samples: 7048576001, 7048576002, 7048576003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Aluminum	ug/L	<200	200	04/18/18 22:34	
Antimony	ug/L	<60.0	60.0	04/18/18 22:34	
Arsenic	ug/L	<10.0	10.0	04/18/18 22:34	
Barium	ug/L	<200	200	04/18/18 22:34	
Beryllium	ug/L	<5.0	5.0	04/18/18 22:34	
Cadmium	ug/L	<2.5	2.5	04/18/18 22:34	
Calcium	ug/L	<1000	1000	04/18/18 22:34	
Chromium	ug/L	<10.0	10.0	04/18/18 22:34	
Cobalt	ug/L	<50.0	50.0	04/18/18 22:34	
Copper	ug/L	<25.0	25.0	04/18/18 22:34	
Iron	ug/L	<20.0	20.0	04/18/18 22:34	
Lead	ug/L	<5.0	5.0	04/18/18 22:34	
Magnesium	ug/L	<1000	1000	04/18/18 22:34	
Manganese	ug/L	<10.0	10.0	04/18/18 22:34	
Nickel	ug/L	<40.0	40.0	04/18/18 22:34	
Potassium	ug/L	<5000	5000	04/18/18 22:34	
Selenium	ug/L	<10.0	10.0	04/18/18 22:34	
Silver	ug/L	<10.0	10.0	04/18/18 22:34	
Sodium	ug/L	<5000	5000	04/18/18 22:34	
Thallium	ug/L	<10.0	10.0	04/18/18 22:34	
Vanadium	ug/L	<50.0	50.0	04/18/18 22:34	
Zinc	ug/L	<20.0	20.0	04/18/18 22:34	

LABORATORY CONTROL SAMPLE: 293891

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Aluminum	ug/L	5000	4970	99	85-115	
Antimony	ug/L	750	760	101	85-115	
Arsenic	ug/L	500	496	99	85-115	
Barium	ug/L	500	500	100	85-115	
Beryllium	ug/L	50	50.6	101	85-115	
Cadmium	ug/L	50	50.0	100	85-115	
Calcium	ug/L	25000	25000	100	85-115	
Chromium	ug/L	250	256	102	85-115	
Cobalt	ug/L	500	504	101	85-115	
Copper	ug/L	250	255	102	85-115	
Iron	ug/L	2000	2030	101	85-115	
Lead	ug/L	500	511	102	85-115	
Magnesium	ug/L	25000	24500	98	85-115	
Manganese	ug/L	250	251	100	85-115	

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QUALITY CONTROL DATA

Project: FORMER COYNE TEXTILE 4/16

Pace Project No.: 7048576

LABORATORY CONTROL SAMPLE: 293891

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nickel	ug/L	250	255	102	85-115	
Potassium	ug/L	50000	48500	97	85-115	
Selenium	ug/L	750	747	100	85-115	
Silver	ug/L	250	235	94	85-115	
Sodium	ug/L	50000	51500	103	85-115	
Thallium	ug/L	750	769	103	85-115	
Vanadium	ug/L	500	501	100	85-115	
Zinc	ug/L	1000	1000	100	85-115	

MATRIX SPIKE SAMPLE: 293893

Parameter	Units	7048576001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Aluminum	ug/L	740	5000	6440	114	70-130	
Antimony	ug/L	<60.0	750	785	105	70-130	
Arsenic	ug/L	<10.0	500	508	101	70-130	
Barium	ug/L	730	500	1190	91	70-130	
Beryllium	ug/L	<5.0	50	50.3	101	70-130	
Cadmium	ug/L	<2.5	50	49.3	99	70-130	
Calcium	ug/L	277000	25000	287000	40	70-130	M1
Chromium	ug/L	<10.0	250	259	102	70-130	
Cobalt	ug/L	<50.0	500	498	99	70-130	
Copper	ug/L	<25.0	250	268	102	70-130	
Iron	ug/L	2840	2000	4510	84	70-130	
Lead	ug/L	<5.0	500	502	100	70-130	
Magnesium	ug/L	52500	25000	74900	90	70-130	
Manganese	ug/L	435	250	662	91	70-130	
Nickel	ug/L	<40.0	250	254	93	70-130	
Potassium	ug/L	15800	50000	65000	98	70-130	
Selenium	ug/L	<10.0	750	764	102	70-130	
Silver	ug/L	<10.0	250	314	126	70-130	
Sodium	ug/L	602000	50000	595000	-15	70-130	M1
Thallium	ug/L	<10.0	750	734	98	70-130	
Vanadium	ug/L	<50.0	500	518	102	70-130	
Zinc	ug/L	21.1	1000	1040	102	70-130	

SAMPLE DUPLICATE: 293892

Parameter	Units	7048576001 Result	Dup Result	RPD	Qualifiers
Aluminum	ug/L	740	581	24	D6
Antimony	ug/L	<60.0	<60.0		
Arsenic	ug/L	<10.0	<10.0		
Barium	ug/L	730	716	2	
Beryllium	ug/L	<5.0	<5.0		
Cadmium	ug/L	<2.5	<2.5		

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QUALITY CONTROL DATA

Project: FORMER COYNE TEXTILE 4/16

Pace Project No.: 7048576

SAMPLE DUPLICATE: 293892

Parameter	Units	7048576001 Result	Dup Result	RPD	Qualifiers
Calcium	ug/L	277000	274000		1
Chromium	ug/L	<10.0	<10.0		
Cobalt	ug/L	<50.0	<50.0		
Copper	ug/L	<25.0	<25.0		
Iron	ug/L	2840	2410		17
Lead	ug/L	<5.0	<5.0		
Magnesium	ug/L	52500	51800		2
Manganese	ug/L	435	417		4
Nickel	ug/L	<40.0	<40.0		
Potassium	ug/L	15800	15600		1
Selenium	ug/L	<10.0	<10.0		
Silver	ug/L	<10.0	<10.0		
Sodium	ug/L	602000	574000		5
Thallium	ug/L	<10.0	<10.0		
Vanadium	ug/L	<50.0	<50.0		
Zinc	ug/L	21.1	<20.0		

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QUALITY CONTROL DATA

Project: FORMER COYNE TEXTILE 4/16

Pace Project No.: 7048576

QC Batch: 64369 Analysis Method: EPA 8260C/5030C
QC Batch Method: EPA 8260C/5030C Analysis Description: 8260 MSV
Associated Lab Samples: 7048576001, 7048576002, 7048576003, 7048576004

METHOD BLANK: 295446 Matrix: Water
Associated Lab Samples: 7048576001, 7048576002, 7048576003, 7048576004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/L	<1.0	1.0	04/20/18 14:12	
1,1,2,2-Tetrachloroethane	ug/L	<1.0	1.0	04/20/18 14:12	
1,1,2-Trichloroethane	ug/L	<1.0	1.0	04/20/18 14:12	
1,1,2-Trichlorotrifluoroethane	ug/L	<1.0	1.0	04/20/18 14:12	
1,1-Dichloroethane	ug/L	<1.0	1.0	04/20/18 14:12	
1,1-Dichloroethene	ug/L	<1.0	1.0	04/20/18 14:12	
1,2,4-Trichlorobenzene	ug/L	<1.0	1.0	04/20/18 14:12	
1,2-Dibromo-3-chloropropane	ug/L	<1.0	1.0	04/20/18 14:12	
1,2-Dibromoethane (EDB)	ug/L	<1.0	1.0	04/20/18 14:12	
1,2-Dichlorobenzene	ug/L	<1.0	1.0	04/20/18 14:12	
1,2-Dichloroethane	ug/L	<1.0	1.0	04/20/18 14:12	
1,2-Dichloropropane	ug/L	<1.0	1.0	04/20/18 14:12	
1,3-Dichlorobenzene	ug/L	<1.0	1.0	04/20/18 14:12	
1,4-Dichlorobenzene	ug/L	<1.0	1.0	04/20/18 14:12	
2-Butanone (MEK)	ug/L	<5.0	5.0	04/20/18 14:12	
2-Hexanone	ug/L	<5.0	5.0	04/20/18 14:12	
4-Methyl-2-pentanone (MIBK)	ug/L	<5.0	5.0	04/20/18 14:12	
Acetone	ug/L	<5.0	5.0	04/20/18 14:12	CL
Benzene	ug/L	<1.0	1.0	04/20/18 14:12	
Bromodichloromethane	ug/L	<1.0	1.0	04/20/18 14:12	
Bromoform	ug/L	<1.0	1.0	04/20/18 14:12	
Bromomethane	ug/L	<1.0	1.0	04/20/18 14:12	
Carbon disulfide	ug/L	<1.0	1.0	04/20/18 14:12	
Carbon tetrachloride	ug/L	<1.0	1.0	04/20/18 14:12	
Chlorobenzene	ug/L	<1.0	1.0	04/20/18 14:12	
Chloroethane	ug/L	<1.0	1.0	04/20/18 14:12	
Chloroform	ug/L	<1.0	1.0	04/20/18 14:12	
Chloromethane	ug/L	<1.0	1.0	04/20/18 14:12	
cis-1,2-Dichloroethene	ug/L	<1.0	1.0	04/20/18 14:12	
cis-1,3-Dichloropropene	ug/L	<1.0	1.0	04/20/18 14:12	
Cyclohexane	ug/L	<1.0	1.0	04/20/18 14:12	CL
Dibromochloromethane	ug/L	<1.0	1.0	04/20/18 14:12	
Dichlorodifluoromethane	ug/L	<1.0	1.0	04/20/18 14:12	CL
Ethylbenzene	ug/L	<1.0	1.0	04/20/18 14:12	
Isopropylbenzene (Cumene)	ug/L	<1.0	1.0	04/20/18 14:12	
Methyl acetate	ug/L	<1.0	1.0	04/20/18 14:12	CL
Methyl-tert-butyl ether	ug/L	<1.0	1.0	04/20/18 14:12	
Methylcyclohexane	ug/L	<1.0	1.0	04/20/18 14:12	
Methylene Chloride	ug/L	<1.0	1.0	04/20/18 14:12	
Styrene	ug/L	<1.0	1.0	04/20/18 14:12	
Tetrachloroethene	ug/L	<1.0	1.0	04/20/18 14:12	

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QUALITY CONTROL DATA

Project: FORMER COYNE TEXTILE 4/16

Project No.: 7048576

METHOD BLANK: 295446

Matrix: Water

Associated Lab Samples: 7048576001, 7048576002, 7048576003, 7048576004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Toluene	ug/L	<1.0	1.0	04/20/18 14:12	
trans-1,2-Dichloroethene	ug/L	<1.0	1.0	04/20/18 14:12	
trans-1,3-Dichloropropene	ug/L	<1.0	1.0	04/20/18 14:12	
Trichloroethene	ug/L	<1.0	1.0	04/20/18 14:12	
Trichlorofluoromethane	ug/L	<1.0	1.0	04/20/18 14:12	
Vinyl chloride	ug/L	<1.0	1.0	04/20/18 14:12	CL
Xylene (Total)	ug/L	<3.0	3.0	04/20/18 14:12	
1,2-Dichloroethane-d4 (S)	%	90	68-153	04/20/18 14:12	
4-Bromofluorobenzene (S)	%	101	79-124	04/20/18 14:12	
Toluene-d8 (S)	%	104	69-124	04/20/18 14:12	

LABORATORY CONTROL SAMPLE: 295447

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	50	39.7	79	65-118	
1,1,2,2-Tetrachloroethane	ug/L	50	45.5	91	74-121	
1,1,2-Trichloroethane	ug/L	50	43.5	87	80-117	
1,1,2-Trichlorotrifluoroethane	ug/L	50	36.2	72	60-140	
1,1-Dichloroethane	ug/L	50	37.0	74	83-151	L2
1,1-Dichloroethene	ug/L	50	38.4	77	45-146	
1,2,4-Trichlorobenzene	ug/L	50	54.4	109	66-116	
1,2-Dibromo-3-chloropropane	ug/L	50	41.8	84	74-119	
1,2-Dibromoethane (EDB)	ug/L	50	47.8	96	83-115	
1,2-Dichlorobenzene	ug/L	50	46.9	94	74-113	
1,2-Dichloroethane	ug/L	50	39.0	78	74-129	
1,2-Dichloropropane	ug/L	50	38.6	77	75-117	
1,3-Dichlorobenzene	ug/L	50	47.2	94	71-112	
1,4-Dichlorobenzene	ug/L	50	47.3	95	71-113	
2-Butanone (MEK)	ug/L	50	37.2	74	44-162	
2-Hexanone	ug/L	50	44.8	90	32-183	
4-Methyl-2-pentanone (MIBK)	ug/L	50	39.5	79	69-132	
Acetone	ug/L	50	29.0	58	23-188	CL
Benzene	ug/L	50	40.4	81	73-119	
Bromodichloromethane	ug/L	50	41.8	84	78-117	
Bromoform	ug/L	50	42.0	84	65-122	
Bromomethane	ug/L	50	38.9	78	52-147	
Carbon disulfide	ug/L	50	36.3	73	41-144	
Carbon tetrachloride	ug/L	50	43.7	87	59-120	
Chlorobenzene	ug/L	50	48.2	96	75-113	
Chloroethane	ug/L	50	37.7	75	49-151	
Chloroform	ug/L	50	38.0	76	72-122	
Chloromethane	ug/L	50	37.2	74	46-144	
cis-1,2-Dichloroethene	ug/L	50	40.0	80	72-121	
cis-1,3-Dichloropropene	ug/L	50	46.7	93	78-116	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: FORMER COYNE TEXTILE 4/16

Pace Project No.: 7048576

LABORATORY CONTROL SAMPLE: 295447

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Cyclohexane	ug/L	50	32.6	65	43-143	CL
Dibromochloromethane	ug/L	50	51.4	103	70-120	
Dichlorodifluoromethane	ug/L	50	27.6	55	22-154	CL
Ethylbenzene	ug/L	50	46.8	94	70-113	
Isopropylbenzene (Cumene)	ug/L	50	44.9	90	67-115	
Methyl acetate	ug/L	50	31.3	63	60-140	CL
Methyl-tert-butyl ether	ug/L	50	42.1	84	72-131	
Methylcyclohexane	ug/L	50	38.0	76	60-140	
Methylene Chloride	ug/L	50	38.2	76	61-142	
Styrene	ug/L	50	50.8	102	72-118	
Tetrachloroethene	ug/L	50	47.2	94	60-128	
Toluene	ug/L	50	41.0	82	72-119	
trans-1,2-Dichloroethene	ug/L	50	38.7	77	56-142	
trans-1,3-Dichloropropene	ug/L	50	44.7	89	79-116	
Trichloroethene	ug/L	50	40.1	80	69-117	
Trichlorofluoromethane	ug/L	50	37.2	74	27-173	
Vinyl chloride	ug/L	50	32.5	65	43-143	CL
Xylene (Total)	ug/L	150	143	95	71-109	
1,2-Dichloroethane-d4 (S)	%			87	68-153	
4-Bromofluorobenzene (S)	%			102	79-124	
Toluene-d8 (S)	%			106	69-124	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 295667 295668

Parameter	Units	7048944006		MS	MSD	MS	MSD	MS	MSD	% Rec	RPD	Qual
		Result	Conc.	Spike Conc.	Spike Conc.							
1,1,1-Trichloroethane	ug/L	<1.0	50	50	43.3	44.8	87	90	65-118	3		
1,1,2,2-Tetrachloroethane	ug/L	<1.0	50	50	44.7	44.3	89	89	74-121	1		
1,1,2-Trichloroethane	ug/L	<1.0	50	50	42.9	43.2	86	86	80-117	1		
1,1,2-Trichlorotrifluoroethane	ug/L	<1.0	50	50	42.3	42.0	85	84	60-140	1		
1,1-Dichloroethane	ug/L	<1.0	50	50	39.8	40.3	80	81	83-151	1	M0	
1,1-Dichloroethene	ug/L	<1.0	50	50	42.7	43.8	85	88	45-146	2		
1,2,4-Trichlorobenzene	ug/L	<1.0	50	50	50.0	48.2	100	96	66-116	4		
1,2-Dibromo-3-chloropropane	ug/L	<1.0	50	50	40.6	38.7	81	77	74-119	5		
1,2-Dibromoethane (EDB)	ug/L	<1.0	50	50	46.3	47.1	93	94	83-115	2		
1,2-Dichlorobenzene	ug/L	<1.0	50	50	45.5	45.0	91	90	74-113	1		
1,2-Dichloroethane	ug/L	<1.0	50	50	39.1	39.4	78	79	74-129	1		
1,2-Dichloropropane	ug/L	<1.0	50	50	40.1	40.6	80	81	75-117	1		
1,3-Dichlorobenzene	ug/L	<1.0	50	50	46.0	46.1	92	92	71-112	0		
1,4-Dichlorobenzene	ug/L	<1.0	50	50	46.1	45.9	92	92	71-113	0		
2-Butanone (MEK)	ug/L	<5.0	50	50	37.3	36.6	75	73	44-162	2		
2-Hexanone	ug/L	<5.0	50	50	40.2	41.6	80	83	32-183	3		
4-Methyl-2-pentanone (MIBK)	ug/L	<5.0	50	50	38.7	39.5	77	79	69-132	2		
Acetone	ug/L	13.4	50	50	37.2	38.4	48	50	23-188	3	CL	
Benzene	ug/L	<1.0	50	50	43.0	44.1	86	88	73-119	3		

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QUALITY CONTROL DATA

Project: FORMER COYNE TEXTILE 4/16

Pace Project No.: 7048576

Parameter	7048944006		MS		MSD		MS		MSD		% Rec	Limits	RPD	Qual
	Units	Result	Spike Conc.	Spike Conc.	Result	Result	% Rec	% Rec						
Bromodichloromethane	ug/L	<1.0	50	50	40.9	42.1	82	84	78-117	3				
Bromoform	ug/L	<1.0	50	50	34.7	34.5	69	69	65-122	1				
Bromomethane	ug/L	<1.0	50	50	24.0	29.3	48	59	52-147	20	M1			
Carbon disulfide	ug/L	<1.0	50	50	39.4	39.8	79	80	41-144	1				
Carbon tetrachloride	ug/L	<1.0	50	50	48.8	50.4	98	101	59-120	3				
Chlorobenzene	ug/L	<1.0	50	50	46.4	47.7	93	95	75-113	3				
Chloroethane	ug/L	<1.0	50	50	37.5	37.4	75	75	49-151	0				
Chloroform	ug/L	<1.0	50	50	41.2	41.4	82	83	72-122	0				
Chloromethane	ug/L	<1.0	50	50	30.0	27.7	60	55	46-144	8				
cis-1,2-Dichloroethene	ug/L	<1.0	50	50	43.0	42.8	86	86	72-121	1				
cis-1,3-Dichloropropene	ug/L	<1.0	50	50	44.4	45.4	89	91	78-116	2				
Cyclohexane	ug/L	<1.0	50	50	40.9	40.9	82	82	43-143	0	CL			
Dibromochloromethane	ug/L	<1.0	50	50	45.1	46.5	90	93	70-120	3				
Dichlorodifluoromethane	ug/L	<1.0	50	50	18.0	17.5	36	35	22-154	3	CL			
Ethylbenzene	ug/L	<1.0	50	50	47.5	48.7	95	97	70-113	2				
Isopropylbenzene (Cumene)	ug/L	<1.0	50	50	49.5	49.1	99	98	67-115	1				
Methyl acetate	ug/L	<1.0	50	50	32.1	31.7	64	63	60-140	1	CL			
Methyl-tert-butyl ether	ug/L	<1.0	50	50	42.3	42.0	85	84	72-131	1				
Methylcyclohexane	ug/L	<1.0	50	50	45.6	45.8	91	92	60-140	0				
Methylene Chloride	ug/L	<1.0	50	50	39.8	39.8	80	80	61-142	0				
Styrene	ug/L	<1.0	50	50	49.2	50.8	98	102	72-118	3				
Tetrachloroethene	ug/L	<1.0	50	50	48.0	49.4	96	99	60-128	3				
Toluene	ug/L	<1.0	50	50	43.5	44.1	87	88	72-119	1				
trans-1,2-Dichloroethene	ug/L	<1.0	50	50	41.5	42.2	83	84	56-142	2				
trans-1,3-Dichloropropene	ug/L	<1.0	50	50	40.7	41.5	81	83	79-116	2				
Trichloroethene	ug/L	<1.0	50	50	43.2	44.8	86	90	69-117	4				
Trichlorofluoromethane	ug/L	<1.0	50	50	40.7	41.1	81	82	27-173	1				
Vinyl chloride	ug/L	<1.0	50	50	31.5	31.4	63	63	43-143	0	CL			
Xylene (Total)	ug/L	<3.0	150	150	144	148	96	99	71-109	3				
1,2-Dichloroethane-d4 (S)	%						90	86	68-153					
4-Bromofluorobenzene (S)	%						101	103	79-124					
Toluene-d8 (S)	%						103	104	69-124					

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: FORMER COYNE TEXTILE 4/16
Project No.: 7048576

QC Batch: 64113 Analysis Method: EPA 8082A
QC Batch Method: EPA 3510C Analysis Description: 8082 GCS PCB
Associated Lab Samples: 7048576001, 7048576002, 7048576003

METHOD BLANK: 294370 Matrix: Water
Associated Lab Samples: 7048576001, 7048576002, 7048576003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
PCB-1016 (Aroclor 1016)	ug/L	<1.0	1.0	04/19/18 19:38	
PCB-1221 (Aroclor 1221)	ug/L	<2.0	2.0	04/19/18 19:38	
PCB-1232 (Aroclor 1232)	ug/L	<1.0	1.0	04/19/18 19:38	
PCB-1242 (Aroclor 1242)	ug/L	<1.0	1.0	04/19/18 19:38	
PCB-1248 (Aroclor 1248)	ug/L	<1.0	1.0	04/19/18 19:38	
PCB-1254 (Aroclor 1254)	ug/L	<1.0	1.0	04/19/18 19:38	
PCB-1260 (Aroclor 1260)	ug/L	<1.0	1.0	04/19/18 19:38	
Decachlorobiphenyl (S)	%	45	30-150	04/19/18 19:38	
Tetrachloro-m-xylene (S)	%	31	30-150	04/19/18 19:38	

LABORATORY CONTROL SAMPLE: 294371

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
PCB-1016 (Aroclor 1016)	ug/L	.5	0.59	119	42-134	
PCB-1260 (Aroclor 1260)	ug/L	.5	0.48	96	34-146	
Decachlorobiphenyl (S)	%			72	30-150	
Tetrachloro-m-xylene (S)	%			55	30-150	

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QUALITY CONTROL DATA

Project: FORMER COYNE TEXTILE 4/16

Pace Project No.: 7048576

QC Batch: 63970	Analysis Method: EPA 8270D
QC Batch Method: EPA 3510C	Analysis Description: 8270 Water MSSV
Associated Lab Samples: 7048576001	

METHOD BLANK: 293702 Matrix: Water

Associated Lab Samples: 7048576001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
2,2'-Oxybis(1-chloropropane)	ug/L	<5.0	5.0	04/26/18 11:03	
2,4,5-Trichlorophenol	ug/L	<5.0	5.0	04/26/18 11:03	
2,4,6-Trichlorophenol	ug/L	<5.0	5.0	04/26/18 11:03	
2,4-Dichlorophenol	ug/L	<5.0	5.0	04/26/18 11:03	
2,4-Dimethylphenol	ug/L	<5.0	5.0	04/26/18 11:03	
2,4-Dinitrophenol	ug/L	<10.0	10.0	04/26/18 11:03	
2,4-Dinitrotoluene	ug/L	<5.0	5.0	04/26/18 11:03	
2,6-Dinitrotoluene	ug/L	<5.0	5.0	04/26/18 11:03	
2-Chloronaphthalene	ug/L	<5.0	5.0	04/26/18 11:03	
2-Chlorophenol	ug/L	<5.0	5.0	04/26/18 11:03	
2-Methylnaphthalene	ug/L	<5.0	5.0	04/26/18 11:03	
2-Methylphenol(o-Cresol)	ug/L	<5.0	5.0	04/26/18 11:03	
2-Nitroaniline	ug/L	<5.0	5.0	04/26/18 11:03	
2-Nitrophenol	ug/L	<5.0	5.0	04/26/18 11:03	
3&4-Methylphenol(m&p Cresol)	ug/L	<5.0	5.0	04/26/18 11:03	
3,3'-Dichlorobenzidine	ug/L	<5.0	5.0	04/26/18 11:03	
3-Nitroaniline	ug/L	<5.0	5.0	04/26/18 11:03	
4,6-Dinitro-2-methylphenol	ug/L	<10.0	10.0	04/26/18 11:03	
4-Bromophenylphenyl ether	ug/L	<5.0	5.0	04/26/18 11:03	
4-Chloro-3-methylphenol	ug/L	<5.0	5.0	04/26/18 11:03	
4-Chloroaniline	ug/L	<5.0	5.0	04/26/18 11:03	
4-Chlorophenylphenyl ether	ug/L	<5.0	5.0	04/26/18 11:03	
4-Nitroaniline	ug/L	<5.0	5.0	04/26/18 11:03	
4-Nitrophenol	ug/L	<10.0	10.0	04/26/18 11:03	
Acenaphthene	ug/L	<5.0	5.0	04/26/18 11:03	
Acenaphthylene	ug/L	<5.0	5.0	04/26/18 11:03	
Acetophenone	ug/L	<5.0	5.0	04/26/18 11:03	
Anthracene	ug/L	<5.0	5.0	04/26/18 11:03	
Atrazine	ug/L	<5.0	5.0	04/26/18 11:03	IC
Benzaldehyde	ug/L	<5.0	5.0	04/26/18 11:03	IC,IL
Benzo(a)anthracene	ug/L	<5.0	5.0	04/26/18 11:03	
Benzo(a)pyrene	ug/L	<5.0	5.0	04/26/18 11:03	
Benzo(b)fluoranthene	ug/L	<5.0	5.0	04/26/18 11:03	
Benzo(g,h,i)perylene	ug/L	<5.0	5.0	04/26/18 11:03	
Benzo(k)fluoranthene	ug/L	<5.0	5.0	04/26/18 11:03	
Biphenyl (Diphenyl)	ug/L	<5.0	5.0	04/26/18 11:03	
bis(2-Chloroethoxy)methane	ug/L	<5.0	5.0	04/26/18 11:03	
bis(2-Chloroethyl) ether	ug/L	<5.0	5.0	04/26/18 11:03	
bis(2-Ethylhexyl)phthalate	ug/L	<5.0	5.0	04/26/18 11:03	
Butylbenzylphthalate	ug/L	<5.0	5.0	04/26/18 11:03	
Caprolactam	ug/L	<5.0	5.0	04/26/18 11:03	

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QUALITY CONTROL DATA

Project: FORMER COYNE TEXTILE 4/16

Pace Project No.: 7048576

METHOD BLANK: 293702

Matrix: Water

Associated Lab Samples: 7048576001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Carbazole	ug/L	<5.0	5.0	04/26/18 11:03	
Chrysene	ug/L	<5.0	5.0	04/26/18 11:03	
Di-n-butylphthalate	ug/L	<5.0	5.0	04/26/18 11:03	
Di-n-octylphthalate	ug/L	<5.0	5.0	04/26/18 11:03	
Dibenz(a,h)anthracene	ug/L	<5.0	5.0	04/26/18 11:03	
Dibenzofuran	ug/L	<5.0	5.0	04/26/18 11:03	
Diethylphthalate	ug/L	<5.0	5.0	04/26/18 11:03	
Dimethylphthalate	ug/L	<5.0	5.0	04/26/18 11:03	
Fluoranthene	ug/L	<5.0	5.0	04/26/18 11:03	
Fluorene	ug/L	<5.0	5.0	04/26/18 11:03	
Hexachloro-1,3-butadiene	ug/L	<5.0	5.0	04/26/18 11:03	
Hexachlorobenzene	ug/L	<5.0	5.0	04/26/18 11:03	
Hexachlorocyclopentadiene	ug/L	<5.0	5.0	04/26/18 11:03	
Hexachloroethane	ug/L	<5.0	5.0	04/26/18 11:03	
Indeno(1,2,3-cd)pyrene	ug/L	<5.0	5.0	04/26/18 11:03	
Isophorone	ug/L	<5.0	5.0	04/26/18 11:03	
N-Nitroso-di-n-propylamine	ug/L	<5.0	5.0	04/26/18 11:03	
N-Nitrosodiphenylamine	ug/L	<5.0	5.0	04/26/18 11:03	
Naphthalene	ug/L	<5.0	5.0	04/26/18 11:03	
Nitrobenzene	ug/L	<5.0	5.0	04/26/18 11:03	
Pentachlorophenol	ug/L	<10.0	10.0	04/26/18 11:03	
Phenanthrene	ug/L	<5.0	5.0	04/26/18 11:03	
Phenol	ug/L	<5.0	5.0	04/26/18 11:03	
Pyrene	ug/L	<5.0	5.0	04/26/18 11:03	
1,2-Dichlorobenzene-d4 (S)	%	44	16-110	04/26/18 11:03	
2,4,6-Tribromophenol (S)	%	46	10-123	04/26/18 11:03	
2-Chlorophenol-d4 (S)	%	43	33-110	04/26/18 11:03	
2-Fluorobiphenyl (S)	%	45	43-116	04/26/18 11:03	
2-Fluorophenol (S)	%	32	21-110	04/26/18 11:03	
Nitrobenzene-d5 (S)	%	50	35-114	04/26/18 11:03	
p-Terphenyl-d14 (S)	%	53	33-141	04/26/18 11:03	
Phenol-d5 (S)	%	20	10-110	04/26/18 11:03	

LABORATORY CONTROL SAMPLE: 293703

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
2,2'-Oxybis(1-chloropropane)	ug/L	50	27.8	56	44-100	
2,4,5-Trichlorophenol	ug/L	50	37.9	76	55-125	
2,4,6-Trichlorophenol	ug/L	50	36.1	72	55-114	
2,4-Dichlorophenol	ug/L	50	32.0	64	44-127	
2,4-Dimethylphenol	ug/L	50	11.6	23	39-135	L2
2,4-Dinitrophenol	ug/L	50	22.8	46	11-101	
2,4-Dinitrotoluene	ug/L	50	40.3	81	55-122	
2,6-Dinitrotoluene	ug/L	50	38.9	78	56-121	

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QUALITY CONTROL DATA

Project: FORMER COYNE TEXTILE 4/16

Pace Project No.: 7048576

LABORATORY CONTROL SAMPLE: 293703

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
2-Chloronaphthalene	ug/L	50	30.5	61	41-122	
2-Chlorophenol	ug/L	50	28.6	57	43-106	
2-Methylnaphthalene	ug/L	50	29.3	59	31-123	
2-Methylphenol(o-Cresol)	ug/L	50	26.2	52	41-131	
2-Nitroaniline	ug/L	50	34.6	69	48-124	
2-Nitrophenol	ug/L	50	30.0	60	41-128	
3&4-Methylphenol(m&p Cresol)	ug/L	50	24.0	48	15-141	
3,3'-Dichlorobenzidine	ug/L		<5.0			
3-Nitroaniline	ug/L	50	37.7	75	46-112	
4,6-Dinitro-2-methylphenol	ug/L	50	40.4	81	28-150	IH
4-Bromophenylphenyl ether	ug/L	50	37.7	75	53-121	
4-Chloro-3-methylphenol	ug/L	50	34.6	69	48-124	
4-Chloroaniline	ug/L	50	32.0	64	25-133	
4-Chlorophenylphenyl ether	ug/L	50	35.3	71	53-116	
4-Nitroaniline	ug/L	50	34.3	69	51-113	
4-Nitrophenol	ug/L	50	17.9	36	10-102	
Acenaphthene	ug/L	50	32.3	65	50-116	
Acenaphthylene	ug/L	50	31.3	63	50-109	
Acetophenone	ug/L	50	29.8	60	42-97	
Anthracene	ug/L	50	31.9	64	54-117	
Atrazine	ug/L	50	52.3	105	50-150	IC
Benzaldehyde	ug/L	50	34.1	68	50-150	IC,IL
Benzo(a)anthracene	ug/L	50	37.8	76	31-128	
Benzo(a)pyrene	ug/L	50	39.3	79	30-146	
Benzo(b)fluoranthene	ug/L	50	40.1	80	43-147	
Benzo(g,h,i)perylene	ug/L	50	38.6	77	25-153	
Benzo(k)fluoranthene	ug/L	50	36.7	73	28-148	
Biphenyl (Diphenyl)	ug/L	50	29.7	59	43-116	
bis(2-Chloroethoxy)methane	ug/L	50	29.7	59	47-102	
bis(2-Chloroethyl) ether	ug/L	50	29.1	58	39-111	
bis(2-Ethylhexyl)phthalate	ug/L	50	37.2	74	37-138	
Butylbenzylphthalate	ug/L	50	38.2	76	38-135	
Caprolactam	ug/L	50	12.1	24	10-93	
Carbazole	ug/L	50	33.2	66	69-127	L2
Chrysene	ug/L	50	37.3	75	42-140	
Di-n-butylphthalate	ug/L	50	33.7	67	50-128	
Di-n-octylphthalate	ug/L	50	36.2	72	32-148	
Dibenz(a,h)anthracene	ug/L	50	40.5	81	22-147	
Dibenzofuran	ug/L	50	28.6	57	53-117	
Diethylphthalate	ug/L	50	36.0	72	54-124	
Dimethylphthalate	ug/L	50	37.4	75	56-121	
Fluoranthene	ug/L	50	31.1	62	50-123	
Fluorene	ug/L	50	33.4	67	51-118	
Hexachloro-1,3-butadiene	ug/L	50	28.7	57	18-90	
Hexachlorobenzene	ug/L	50	38.8	78	52-128	
Hexachlorocyclopentadiene	ug/L	50	31.0	62	13-119	
Hexachloroethane	ug/L	50	27.4	55	41-119	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: FORMER COYNE TEXTILE 4/16

Pace Project No.: 7048576

LABORATORY CONTROL SAMPLE: 293703

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Indeno(1,2,3-cd)pyrene	ug/L	50	43.0	86	26-156	
Isophorone	ug/L	50	32.2	64	46-118	
N-Nitroso-di-n-propylamine	ug/L	50	32.2	64	40-124	
N-Nitrosodiphenylamine	ug/L	50	36.5	73	41-95	
Naphthalene	ug/L	50	24.0	48	39-107	
Nitrobenzene	ug/L	50	28.3	57	41-122	
Pentachlorophenol	ug/L	50	30.9	62	12-124	
Phenanthrene	ug/L	50	33.7	67	52-126	
Phenol	ug/L	50	15.4	31	10-99	
Pyrene	ug/L	50	31.9	64	41-137	
1,2-Dichlorobenzene-d4 (S)	%			41	16-110	
2,4,6-Tribromophenol (S)	%			59	10-123	
2-Chlorophenol-d4 (S)	%			43	33-110	
2-Fluorobiphenyl (S)	%			48	43-116	
2-Fluorophenol (S)	%			29	21-110	
Nitrobenzene-d5 (S)	%			45	35-114	
p-Terphenyl-d14 (S)	%			55	33-141	
Phenol-d5 (S)	%			21	10-110	

LABORATORY CONTROL SAMPLE: 293704

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
2,2'-Oxybis(1-chloropropane)	ug/L		<5.0			
2,4,5-Trichlorophenol	ug/L		<5.0			
2,4,6-Trichlorophenol	ug/L		<5.0			
2,4-Dichlorophenol	ug/L		<5.0			
2,4-Dimethylphenol	ug/L		<5.0			
2,4-Dinitrophenol	ug/L		<10.0			
2,4-Dinitrotoluene	ug/L		<5.0			
2,6-Dinitrotoluene	ug/L		<5.0			
2-Chloronaphthalene	ug/L		<5.0			
2-Chlorophenol	ug/L		<5.0			
2-Methylnaphthalene	ug/L		<5.0			
2-Methylphenol(o-Cresol)	ug/L		<5.0			
2-Nitroaniline	ug/L		<5.0			
2-Nitrophenol	ug/L		<5.0			
3&4-Methylphenol(m&p Cresol)	ug/L		<5.0			
3,3'-Dichlorobenzidine	ug/L	50	46.2	92	20-132	
3-Nitroaniline	ug/L		<5.0			
4,6-Dinitro-2-methylphenol	ug/L		<10.0			
4-Bromophenylphenyl ether	ug/L		<5.0			
4-Chloro-3-methylphenol	ug/L		<5.0			
4-Chloroaniline	ug/L		<5.0			
4-Chlorophenylphenyl ether	ug/L		<5.0			
4-Nitroaniline	ug/L		<5.0			

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QUALITY CONTROL DATA

Project: FORMER COYNE TEXTILE 4/16

Pace Project No.: 7048576

LABORATORY CONTROL SAMPLE: 293704

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
4-Nitrophenol	ug/L		<10.0			
Acenaphthene	ug/L		<5.0			
Acenaphthylene	ug/L		<5.0			
Acetophenone	ug/L		<5.0			
Anthracene	ug/L		<5.0			
Atrazine	ug/L		<5.0			IC
Benzaldehyde	ug/L		<5.0			IC,IL
Benzo(a)anthracene	ug/L		<5.0			
Benzo(a)pyrene	ug/L		<5.0			
Benzo(b)fluoranthene	ug/L		<5.0			
Benzo(g,h,i)perylene	ug/L		<5.0			
Benzo(k)fluoranthene	ug/L		<5.0			
Biphenyl (Diphenyl)	ug/L		<5.0			
bis(2-Chloroethoxy)methane	ug/L		<5.0			
bis(2-Chloroethyl) ether	ug/L		<5.0			
bis(2-Ethylhexyl)phthalate	ug/L		<5.0			
Butylbenzylphthalate	ug/L		<5.0			
Caprolactam	ug/L		<5.0			
Carbazole	ug/L		<5.0			
Chrysene	ug/L		<5.0			
Di-n-butylphthalate	ug/L		<5.0			
Di-n-octylphthalate	ug/L		<5.0			
Dibenz(a,h)anthracene	ug/L		<5.0			
Dibenzofuran	ug/L		<5.0			
Diethylphthalate	ug/L		<5.0			
Dimethylphthalate	ug/L		<5.0			
Fluoranthene	ug/L		<5.0			
Fluorene	ug/L		<5.0			
Hexachloro-1,3-butadiene	ug/L		<5.0			
Hexachlorobenzene	ug/L		<5.0			
Hexachlorocyclopentadiene	ug/L		<5.0			
Hexachloroethane	ug/L		<5.0			
Indeno(1,2,3-cd)pyrene	ug/L		<5.0			
Isophorone	ug/L		<5.0			
N-Nitroso-di-n-propylamine	ug/L		<5.0			
N-Nitrosodiphenylamine	ug/L		<5.0			
Naphthalene	ug/L		<5.0			
Nitrobenzene	ug/L		<5.0			
Pentachlorophenol	ug/L		<10.0			
Phenanthrene	ug/L		<5.0			
Phenol	ug/L		<5.0			
Pyrene	ug/L		<5.0			
1,2-Dichlorobenzene-d4 (S)	%			41	16-110	
2,4,6-Tribromophenol (S)	%			59	10-123	
2-Chlorophenol-d4 (S)	%			43	33-110	
2-Fluorobiphenyl (S)	%			46	43-116	
2-Fluorophenol (S)	%			29	21-110	

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QUALITY CONTROL DATA

Project: FORMER COYNE TEXTILE 4/16

Pace Project No.: 7048576

LABORATORY CONTROL SAMPLE: 293704

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrobenzene-d5 (S)	%			48	35-114	
p-Terphenyl-d14 (S)	%			55	33-141	
Phenol-d5 (S)	%			21	10-110	

MATRIX SPIKE SAMPLE: 293723

Parameter	Units	7048513001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
2,2'-Oxybis(1-chloropropane)	ug/L	<5.0	50	29.9	60	44-100	
2,4,5-Trichlorophenol	ug/L	<5.0	50	39.5	79	55-125	
2,4,6-Trichlorophenol	ug/L	<5.0	50	39.5	79	55-114	
2,4-Dichlorophenol	ug/L	<5.0	50	34.4	69	44-127	
2,4-Dimethylphenol	ug/L	<5.0	50	21.2	42	39-135	
2,4-Dinitrophenol	ug/L	<10.0	50	31.0	62	11-101	
2,4-Dinitrotoluene	ug/L	<5.0	50	41.6	83	55-122	
2,6-Dinitrotoluene	ug/L	<5.0	50	41.3	83	56-121	
2-Chloronaphthalene	ug/L	<5.0	50	34.2	68	41-122	
2-Chlorophenol	ug/L	<5.0	50	31.0	62	43-106	
2-Methylnaphthalene	ug/L	<5.0	50	31.9	64	31-123	
2-Methylphenol(o-Cresol)	ug/L	<5.0	50	29.2	58	41-131	
2-Nitroaniline	ug/L	<5.0	50	35.7	71	48-124	
2-Nitrophenol	ug/L	<5.0	50	32.8	66	41-128	
3&4-Methylphenol(m&p Cresol)	ug/L	<5.0	50	25.5	51	15-141	
3,3'-Dichlorobenzidine	ug/L	<5.0	50	36.3	73	20-132	
3-Nitroaniline	ug/L	<5.0	50	21.8	44	46-112	M1
4,6-Dinitro-2-methylphenol	ug/L	<10.0	50	48.6	97	28-150	IH
4-Bromophenylphenyl ether	ug/L	<5.0	50	40.3	81	53-121	
4-Chloro-3-methylphenol	ug/L	<5.0	50	36.6	73	48-124	
4-Chloroaniline	ug/L	<5.0	50	<5.0	4	25-133	M1
4-Chlorophenylphenyl ether	ug/L	<5.0	50	37.5	75	53-116	
4-Nitroaniline	ug/L	<5.0	50	39.8	80	51-113	
4-Nitrophenol	ug/L	<10.0	50	21.7	43	10-102	
Acenaphthene	ug/L	<5.0	50	35.0	70	50-116	
Acenaphthylene	ug/L	<5.0	50	34.5	69	50-109	
Acetophenone	ug/L	<5.0	50	32.5	65	42-97	
Anthracene	ug/L	<5.0	50	33.8	68	54-117	
Atrazine	ug/L	<5.0	50	52.0	104	50-150	IC
Benzaldehyde	ug/L	<5.0	50	36.7	73	50-150	IC,IL
Benzo(a)anthracene	ug/L	<5.0	50	38.7	77	31-128	
Benzo(a)pyrene	ug/L	<5.0	50	41.5	83	30-146	
Benzo(b)fluoranthene	ug/L	<5.0	50	42.7	85	43-147	
Benzo(g,h,i)perylene	ug/L	<5.0	50	39.6	79	25-153	
Benzo(k)fluoranthene	ug/L	<5.0	50	37.4	75	28-148	
Biphenyl (Diphenyl)	ug/L	<5.0	50	32.4	65	43-116	
bis(2-Chloroethoxy)methane	ug/L	<5.0	50	32.0	64	47-102	
bis(2-Chloroethyl) ether	ug/L	<5.0	50	27.2	54	39-111	

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QUALITY CONTROL DATA

Project: FORMER COYNE TEXTILE 4/16

Pace Project No.: 7048576

MATRIX SPIKE SAMPLE: 293723

Parameter	Units	7048513001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
bis(2-Ethylhexyl)phthalate	ug/L	<5.0	50	38.3	77	37-138	
Butylbenzylphthalate	ug/L	<5.0	50	39.4	79	38-135	
Caprolactam	ug/L	<5.0	50	6.2	12	10-93	
Carbazole	ug/L	<5.0	50	36.5	73	69-127	
Chrysene	ug/L	<5.0	50	35.6	71	42-140	
Di-n-butylphthalate	ug/L	<5.0	50	37.2	74	50-128	
Di-n-octylphthalate	ug/L	<5.0	50	38.6	77	32-148	
Dibenz(a,h)anthracene	ug/L	<5.0	50	42.1	84	22-147	
Dibenzofuran	ug/L	<5.0	50	31.2	62	53-117	
Diethylphthalate	ug/L	<5.0	50	37.8	76	54-124	
Dimethylphthalate	ug/L	<5.0	50	39.8	80	56-121	
Fluoranthene	ug/L	<5.0	50	33.0	66	50-123	
Fluorene	ug/L	<5.0	50	35.6	71	51-118	
Hexachloro-1,3-butadiene	ug/L	<5.0	50	31.0	62	18-90	
Hexachlorobenzene	ug/L	<5.0	50	41.6	83	52-128	
Hexachlorocyclopentadiene	ug/L	<5.0	50	34.2	68	13-119	
Hexachloroethane	ug/L	<5.0	50	30.8	62	41-119	
Indeno(1,2,3-cd)pyrene	ug/L	<5.0	50	46.6	93	26-156	
Isophorone	ug/L	<5.0	50	32.8	66	46-118	
N-Nitroso-di-n-propylamine	ug/L	<5.0	50	34.0	68	40-124	
N-Nitrosodiphenylamine	ug/L	<5.0	50	39.3	79	41-95	
Naphthalene	ug/L	<5.0	50	26.0	52	39-107	
Nitrobenzene	ug/L	<5.0	50	30.5	61	41-122	
Pentachlorophenol	ug/L	<10.0	50	38.3	77	12-124	
Phenanthrene	ug/L	<5.0	50	35.3	71	52-126	
Phenol	ug/L	<5.0	50	14.2	28	10-99	
Pyrene	ug/L	<5.0	50	33.1	66	41-137	
1,2-Dichlorobenzene-d4 (S)	%				44	16-110	
2,4,6-Tribromophenol (S)	%				61	10-123	
2-Chlorophenol-d4 (S)	%				45	33-110	
2-Fluorobiphenyl (S)	%				53	43-116	
2-Fluorophenol (S)	%				31	21-110	
Nitrobenzene-d5 (S)	%				48	35-114	
p-Terphenyl-d14 (S)	%				49	33-141	
Phenol-d5 (S)	%				22	10-110	

SAMPLE DUPLICATE: 294207

Parameter	Units	7048513002 Result	Dup Result	RPD	Qualifiers
2,2'-Oxybis(1-chloropropane)	ug/L	<5.0	<5.0		
2,4,5-Trichlorophenol	ug/L	<5.0	<5.0		
2,4,6-Trichlorophenol	ug/L	<5.0	<5.0		
2,4-Dichlorophenol	ug/L	<5.0	<5.0		
2,4-Dimethylphenol	ug/L	<5.0	<5.0		
2,4-Dinitrophenol	ug/L	<10.0	<10.0		

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QUALITY CONTROL DATA

Project: FORMER COYNE TEXTILE 4/16

Pace Project No.: 7048576

SAMPLE DUPLICATE: 294207

Parameter	Units	7048513002 Result	Dup Result	RPD	Qualifiers
2,4-Dinitrotoluene	ug/L	<5.0	<5.0		
2,6-Dinitrotoluene	ug/L	<5.0	<5.0		
2-Chloronaphthalene	ug/L	<5.0	<5.0		
2-Chlorophenol	ug/L	<5.0	<5.0		
2-Methylnaphthalene	ug/L	<5.0	<5.0		
2-Methylphenol(o-Cresol)	ug/L	<5.0	<5.0		
2-Nitroaniline	ug/L	<5.0	<5.0		
2-Nitrophenol	ug/L	<5.0	<5.0		
3&4-Methylphenol(m&p Cresol)	ug/L	<5.0	<5.0		
3,3'-Dichlorobenzidine	ug/L	<5.0	<5.0		
3-Nitroaniline	ug/L	<5.0	<5.0		
4,6-Dinitro-2-methylphenol	ug/L	<10.0	<10.0		
4-Bromophenylphenyl ether	ug/L	<5.0	<5.0		
4-Chloro-3-methylphenol	ug/L	<5.0	<5.0		
4-Chloroaniline	ug/L	<5.0	<5.0		
4-Chlorophenylphenyl ether	ug/L	<5.0	<5.0		
4-Nitroaniline	ug/L	<5.0	<5.0		
4-Nitrophenol	ug/L	<10.0	<10.0		
Acenaphthene	ug/L	<5.0	<5.0		
Acenaphthylene	ug/L	<5.0	<5.0		
Acetophenone	ug/L	<5.0	<5.0		
Anthracene	ug/L	<5.0	<5.0		
Atrazine	ug/L	<5.0	<5.0		IC
Benzaldehyde	ug/L	<5.0	<5.0		IC,IL
Benzo(a)anthracene	ug/L	<5.0	<5.0		
Benzo(a)pyrene	ug/L	<5.0	<5.0		
Benzo(b)fluoranthene	ug/L	<5.0	<5.0		
Benzo(g,h,i)perylene	ug/L	<5.0	<5.0		
Benzo(k)fluoranthene	ug/L	<5.0	<5.0		
Biphenyl (Diphenyl)	ug/L	<5.0	<5.0		
bis(2-Chloroethoxy)methane	ug/L	<5.0	<5.0		
bis(2-Chloroethyl) ether	ug/L	<5.0	<5.0		
bis(2-Ethylhexyl)phthalate	ug/L	<5.0	<5.0		
Butylbenzylphthalate	ug/L	<5.0	<5.0		
Caprolactam	ug/L	<5.0	<5.0		
Carbazole	ug/L	<5.0	<5.0		
Chrysene	ug/L	<5.0	<5.0		
Di-n-butylphthalate	ug/L	<5.0	<5.0		
Di-n-octylphthalate	ug/L	<5.0	<5.0		
Dibenz(a,h)anthracene	ug/L	<5.0	<5.0		
Dibenzofuran	ug/L	<5.0	<5.0		
Diethylphthalate	ug/L	<5.0	<5.0		
Dimethylphthalate	ug/L	<5.0	<5.0		
Fluoranthene	ug/L	<5.0	<5.0		
Fluorene	ug/L	<5.0	<5.0		
Hexachloro-1,3-butadiene	ug/L	<5.0	<5.0		
Hexachlorobenzene	ug/L	<5.0	<5.0		

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QUALITY CONTROL DATA

Project: FORMER COYNE TEXTILE 4/16

Pace Project No.: 7048576

SAMPLE DUPLICATE: 294207

Parameter	Units	7048513002 Result	Dup Result	RPD	Qualifiers
Hexachlorocyclopentadiene	ug/L	<5.0	<5.0		
Hexachloroethane	ug/L	<5.0	<5.0		
Indeno(1,2,3-cd)pyrene	ug/L	<5.0	<5.0		
Isophorone	ug/L	<5.0	<5.0		
N-Nitroso-di-n-propylamine	ug/L	<5.0	<5.0		
N-Nitrosodiphenylamine	ug/L	<5.0	<5.0		
Naphthalene	ug/L	<5.0	<5.0		
Nitrobenzene	ug/L	<5.0	<5.0		
Pentachlorophenol	ug/L	<10.0	<10.0		
Phenanthrene	ug/L	<5.0	<5.0		
Phenol	ug/L	<5.0	<5.0		
Pyrene	ug/L	<5.0	<5.0		
1,2-Dichlorobenzene-d4 (S)	%	50	43	15	
2,4,6-Tribromophenol (S)	%	55	51	9	
2-Chlorophenol-d4 (S)	%	47	42	12	
2-Fluorobiphenyl (S)	%	53	46	15	
2-Fluorophenol (S)	%	36	33	9	
Nitrobenzene-d5 (S)	%	56	49	12	
p-Terphenyl-d14 (S)	%	44	47	7	
Phenol-d5 (S)	%	23	22	8	

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QUALITY CONTROL DATA

Project: FORMER COYNE TEXTILE 4/16

Pace Project No.: 7048576

QC Batch: 64335 Analysis Method: EPA 8270D
QC Batch Method: EPA 3510C Analysis Description: 8270 Water MSSV
Associated Lab Samples: 7048576002, 7048576003, 7048576004

METHOD BLANK: 295294 Matrix: Water

Associated Lab Samples: 7048576002, 7048576003, 7048576004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
2,2'-Oxybis(1-chloropropane)	ug/L	<5.0	5.0	04/24/18 16:23	CL
2,4,5-Trichlorophenol	ug/L	<5.0	5.0	04/24/18 16:23	
2,4,6-Trichlorophenol	ug/L	<5.0	5.0	04/24/18 16:23	
2,4-Dichlorophenol	ug/L	<5.0	5.0	04/24/18 16:23	
2,4-Dimethylphenol	ug/L	<5.0	5.0	04/24/18 16:23	
2,4-Dinitrophenol	ug/L	<10.0	10.0	04/24/18 16:23	
2,4-Dinitrotoluene	ug/L	<5.0	5.0	04/24/18 16:23	
2,6-Dinitrotoluene	ug/L	<5.0	5.0	04/24/18 16:23	
2-Chloronaphthalene	ug/L	<5.0	5.0	04/24/18 16:23	
2-Chlorophenol	ug/L	<5.0	5.0	04/24/18 16:23	
2-Methylnaphthalene	ug/L	<5.0	5.0	04/24/18 16:23	
2-Methylphenol(o-Cresol)	ug/L	<5.0	5.0	04/24/18 16:23	
2-Nitroaniline	ug/L	<5.0	5.0	04/24/18 16:23	CL
2-Nitrophenol	ug/L	<5.0	5.0	04/24/18 16:23	
3&4-Methylphenol(m&p Cresol)	ug/L	<5.0	5.0	04/24/18 16:23	
3,3'-Dichlorobenzidine	ug/L	<5.0	5.0	04/24/18 16:23	
3-Nitroaniline	ug/L	<5.0	5.0	04/24/18 16:23	
4,6-Dinitro-2-methylphenol	ug/L	<10.0	10.0	04/24/18 16:23	
4-Bromophenylphenyl ether	ug/L	<5.0	5.0	04/24/18 16:23	
4-Chloro-3-methylphenol	ug/L	<5.0	5.0	04/24/18 16:23	
4-Chloroaniline	ug/L	<5.0	5.0	04/24/18 16:23	
4-Chlorophenylphenyl ether	ug/L	<5.0	5.0	04/24/18 16:23	
4-Nitroaniline	ug/L	<5.0	5.0	04/24/18 16:23	
4-Nitrophenol	ug/L	<10.0	10.0	04/24/18 16:23	
Acenaphthene	ug/L	<5.0	5.0	04/24/18 16:23	
Acenaphthylene	ug/L	<5.0	5.0	04/24/18 16:23	
Acetophenone	ug/L	<5.0	5.0	04/24/18 16:23	
Anthracene	ug/L	<5.0	5.0	04/24/18 16:23	
Atrazine	ug/L	<5.0	5.0	04/24/18 16:23	
Benzaldehyde	ug/L	<5.0	5.0	04/24/18 16:23	CL
Benzo(a)anthracene	ug/L	<5.0	5.0	04/24/18 16:23	
Benzo(a)pyrene	ug/L	<5.0	5.0	04/24/18 16:23	
Benzo(b)fluoranthene	ug/L	<5.0	5.0	04/24/18 16:23	
Benzo(g,h,i)perylene	ug/L	<5.0	5.0	04/24/18 16:23	
Benzo(k)fluoranthene	ug/L	<5.0	5.0	04/24/18 16:23	
Biphenyl (Diphenyl)	ug/L	<5.0	5.0	04/24/18 16:23	
bis(2-Chloroethoxy)methane	ug/L	<5.0	5.0	04/24/18 16:23	
bis(2-Chloroethyl) ether	ug/L	<5.0	5.0	04/24/18 16:23	CL
bis(2-Ethylhexyl)phthalate	ug/L	<5.0	5.0	04/24/18 16:23	
Butylbenzylphthalate	ug/L	<5.0	5.0	04/24/18 16:23	
Caprolactam	ug/L	<5.0	5.0	04/24/18 16:23	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: FORMER COYNE TEXTILE 4/16

Pace Project No.: 7048576

METHOD BLANK: 295294

Matrix: Water

Associated Lab Samples: 7048576002, 7048576003, 7048576004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Carbazole	ug/L	<5.0	5.0	04/24/18 16:23	
Chrysene	ug/L	<5.0	5.0	04/24/18 16:23	
Di-n-butylphthalate	ug/L	<5.0	5.0	04/24/18 16:23	
Di-n-octylphthalate	ug/L	<5.0	5.0	04/24/18 16:23	
Dibenz(a,h)anthracene	ug/L	<5.0	5.0	04/24/18 16:23	
Dibenzofuran	ug/L	<5.0	5.0	04/24/18 16:23	
Diethylphthalate	ug/L	<5.0	5.0	04/24/18 16:23	
Dimethylphthalate	ug/L	<5.0	5.0	04/24/18 16:23	
Fluoranthene	ug/L	<5.0	5.0	04/24/18 16:23	
Fluorene	ug/L	<5.0	5.0	04/24/18 16:23	
Hexachloro-1,3-butadiene	ug/L	<5.0	5.0	04/24/18 16:23	
Hexachlorobenzene	ug/L	<5.0	5.0	04/24/18 16:23	
Hexachlorocyclopentadiene	ug/L	<5.0	5.0	04/24/18 16:23	CL
Hexachloroethane	ug/L	<5.0	5.0	04/24/18 16:23	
Indeno(1,2,3-cd)pyrene	ug/L	<5.0	5.0	04/24/18 16:23	
Isophorone	ug/L	<5.0	5.0	04/24/18 16:23	
N-Nitroso-di-n-propylamine	ug/L	<5.0	5.0	04/24/18 16:23	CL
N-Nitrosodiphenylamine	ug/L	<5.0	5.0	04/24/18 16:23	
Naphthalene	ug/L	<5.0	5.0	04/24/18 16:23	
Nitrobenzene	ug/L	<5.0	5.0	04/24/18 16:23	
Pentachlorophenol	ug/L	<10.0	10.0	04/24/18 16:23	
Phenanthrene	ug/L	<5.0	5.0	04/24/18 16:23	
Phenol	ug/L	<5.0	5.0	04/24/18 16:23	
Pyrene	ug/L	<5.0	5.0	04/24/18 16:23	
1,2-Dichlorobenzene-d4 (S)	%	47	16-110	04/24/18 16:23	
2,4,6-Tribromophenol (S)	%	67	10-123	04/24/18 16:23	
2-Chlorophenol-d4 (S)	%	55	33-110	04/24/18 16:23	
2-Fluorobiphenyl (S)	%	55	43-116	04/24/18 16:23	
2-Fluorophenol (S)	%	38	21-110	04/24/18 16:23	
Nitrobenzene-d5 (S)	%	53	35-114	04/24/18 16:23	
p-Terphenyl-d14 (S)	%	67	33-141	04/24/18 16:23	
Phenol-d5 (S)	%	25	10-110	04/24/18 16:23	

LABORATORY CONTROL SAMPLE: 295295

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
2,2'-Oxybis(1-chloropropane)	ug/L	50	19.0	38	44-100	CL,L2
2,4,5-Trichlorophenol	ug/L	50	36.8	74	55-125	
2,4,6-Trichlorophenol	ug/L	50	35.3	71	55-114	
2,4-Dichlorophenol	ug/L	50	31.7	63	44-127	
2,4-Dimethylphenol	ug/L	50	14.0	28	39-135	L2
2,4-Dinitrophenol	ug/L	50	23.8	48	11-101	
2,4-Dinitrotoluene	ug/L	50	40.0	80	55-122	
2,6-Dinitrotoluene	ug/L	50	34.8	70	56-121	

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QUALITY CONTROL DATA

Project: FORMER COYNE TEXTILE 4/16

Pace Project No.: 7048576

LABORATORY CONTROL SAMPLE: 295295

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
2-Chloronaphthalene	ug/L	50	31.7	63	41-122	
2-Chlorophenol	ug/L	50	28.2	56	43-106	
2-Methylnaphthalene	ug/L	50	29.2	58	31-123	
2-Methylphenol(o-Cresol)	ug/L	50	24.6	49	41-131	
2-Nitroaniline	ug/L	50	34.9	70	48-124	CL
2-Nitrophenol	ug/L	50	30.2	60	41-128	
3&4-Methylphenol(m&p Cresol)	ug/L	50	23.1	46	15-141	
3,3'-Dichlorobenzidine	ug/L	50	29.2	58	20-132	
3-Nitroaniline	ug/L	50	34.7	69	46-112	
4,6-Dinitro-2-methylphenol	ug/L	50	33.9	68	28-150	
4-Bromophenylphenyl ether	ug/L	50	34.7	69	53-121	
4-Chloro-3-methylphenol	ug/L	50	37.4	75	48-124	
4-Chloroaniline	ug/L	50	29.4	59	25-133	
4-Chlorophenylphenyl ether	ug/L	50	36.6	73	53-116	
4-Nitroaniline	ug/L	50	33.5	67	51-113	
4-Nitrophenol	ug/L	50	15.8	32	10-102	
Acenaphthene	ug/L	50	32.9	66	50-116	
Acenaphthylene	ug/L	50	31.7	63	50-109	
Acetophenone	ug/L	50	32.4	65	42-97	
Anthracene	ug/L	50	34.7	69	54-117	
Atrazine	ug/L	50	<5.0	0	50-150	L2
Benzaldehyde	ug/L	50	44.9	90	50-150	CL
Benzo(a)anthracene	ug/L	50	36.3	73	31-128	
Benzo(a)pyrene	ug/L	50	38.3	77	30-146	
Benzo(b)fluoranthene	ug/L	50	39.4	79	43-147	
Benzo(g,h,i)perylene	ug/L	50	43.7	87	25-153	
Benzo(k)fluoranthene	ug/L	50	39.5	79	28-148	
Biphenyl (Diphenyl)	ug/L	50	31.9	64	43-116	
bis(2-Chloroethoxy)methane	ug/L	50	27.7	55	47-102	
bis(2-Chloroethyl) ether	ug/L	50	22.6	45	39-111	CL
bis(2-Ethylhexyl)phthalate	ug/L	50	31.7	63	37-138	
Butylbenzylphthalate	ug/L	50	32.0	64	38-135	
Caprolactam	ug/L	50	11.8	24	10-93	
Carbazole	ug/L	50	35.8	72	69-127	
Chrysene	ug/L	50	37.1	74	42-140	
Di-n-butylphthalate	ug/L	50	40.5	81	50-128	
Di-n-octylphthalate	ug/L	50	34.8	70	32-148	
Dibenz(a,h)anthracene	ug/L	50	39.5	79	22-147	
Dibenzofuran	ug/L	50	33.8	68	53-117	
Diethylphthalate	ug/L	50	40.5	81	54-124	
Dimethylphthalate	ug/L	50	36.4	73	56-121	
Fluoranthene	ug/L	50	37.0	74	50-123	
Fluorene	ug/L	50	35.2	70	51-118	
Hexachloro-1,3-butadiene	ug/L	50	31.2	62	18-90	
Hexachlorobenzene	ug/L	50	37.0	74	52-128	
Hexachlorocyclopentadiene	ug/L	50	17.6	35	13-119	CL
Hexachloroethane	ug/L	50	29.1	58	41-119	

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QUALITY CONTROL DATA

Project: FORMER COYNE TEXTILE 4/16

Pace Project No.: 7048576

LABORATORY CONTROL SAMPLE: 295295

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Indeno(1,2,3-cd)pyrene	ug/L	50	42.5	85	26-156	
Isophorone	ug/L	50	30.9	62	46-118	
N-Nitroso-di-n-propylamine	ug/L	50	29.7	59	40-124	CL
N-Nitrosodiphenylamine	ug/L	50	33.2	66	41-95	
Naphthalene	ug/L	50	29.4	59	39-107	
Nitrobenzene	ug/L	50	28.0	56	41-122	
Pentachlorophenol	ug/L	50	34.8	70	12-124	CH
Phenanthrene	ug/L	50	35.7	71	52-126	
Phenol	ug/L	50	15.3	31	10-99	
Pyrene	ug/L	50	34.8	70	41-137	
1,2-Dichlorobenzene-d4 (S)	%			47	16-110	
2,4,6-Tribromophenol (S)	%			84	10-123	
2-Chlorophenol-d4 (S)	%			54	33-110	
2-Fluorobiphenyl (S)	%			58	43-116	
2-Fluorophenol (S)	%			35	21-110	
Nitrobenzene-d5 (S)	%			53	35-114	
p-Terphenyl-d14 (S)	%			69	33-141	
Phenol-d5 (S)	%			23	10-110	

MATRIX SPIKE SAMPLE: 295394

Parameter	Units	7048576003 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
2,2'-Oxybis(1-chloropropane)	ug/L	<5.0	50	18.6	37	44-100	CL,M0
2,4,5-Trichlorophenol	ug/L	<5.0	50	46.7	93	55-125	
2,4,6-Trichlorophenol	ug/L	<5.0	50	43.5	87	55-114	
2,4-Dichlorophenol	ug/L	<5.0	50	40.1	80	44-127	
2,4-Dimethylphenol	ug/L	<5.0	50	19.9	40	39-135	
2,4-Dinitrophenol	ug/L	<10.0	50	27.3	55	11-101	
2,4-Dinitrotoluene	ug/L	<5.0	50	47.2	94	55-122	
2,6-Dinitrotoluene	ug/L	<5.0	50	44.4	89	56-121	
2-Chloronaphthalene	ug/L	<5.0	50	37.6	75	41-122	
2-Chlorophenol	ug/L	<5.0	50	32.4	65	43-106	
2-Methylnaphthalene	ug/L	<5.0	50	37.4	75	31-123	
2-Methylphenol(o-Cresol)	ug/L	<5.0	50	28.1	56	41-131	
2-Nitroaniline	ug/L	<5.0	50	30.6	61	48-124	CL
2-Nitrophenol	ug/L	<5.0	50	36.0	72	41-128	
3&4-Methylphenol(m&p Cresol)	ug/L	<5.0	50	26.9	54	15-141	
3,3'-Dichlorobenzidine	ug/L	<5.0	50	35.7	71	20-132	
3-Nitroaniline	ug/L	<5.0	50	42.8	86	46-112	
4,6-Dinitro-2-methylphenol	ug/L	<10.0	50	43.8	88	28-150	
4-Bromophenylphenyl ether	ug/L	<5.0	50	47.1	94	53-121	
4-Chloro-3-methylphenol	ug/L	<5.0	50	43.0	86	48-124	
4-Chloroaniline	ug/L	<5.0	50	36.6	73	25-133	
4-Chlorophenylphenyl ether	ug/L	<5.0	50	47.3	95	53-116	
4-Nitroaniline	ug/L	<5.0	50	42.6	85	51-113	

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QUALITY CONTROL DATA

Project: FORMER COYNE TEXTILE 4/16

Pace Project No.: 7048576

MATRIX SPIKE SAMPLE: 295394		7048576003	Spike	MS	MS	% Rec	
Parameter	Units	Result	Conc.	Result	% Rec	Limits	Qualifiers
4-Nitrophenol	ug/L	<10.0	50	15.4	31	10-102	
Acenaphthene	ug/L	<5.0	50	39.3	79	50-116	
Acenaphthylene	ug/L	<5.0	50	38.7	77	50-109	
Acetophenone	ug/L	<5.0	50	34.4	69	42-97	
Anthracene	ug/L	<5.0	50	43.6	87	54-117	
Atrazine	ug/L	<5.0	50	<5.0	0	50-150	M0
Benzaldehyde	ug/L	<5.0	50	<5.0	0	50-150	CL,M1
Benzo(a)anthracene	ug/L	<5.0	50	44.3	89	31-128	
Benzo(a)pyrene	ug/L	<5.0	50	45.0	90	30-146	
Benzo(b)fluoranthene	ug/L	<5.0	50	45.9	92	43-147	
Benzo(g,h,i)perylene	ug/L	<5.0	50	51.4	103	25-153	
Benzo(k)fluoranthene	ug/L	<5.0	50	42.7	85	28-148	
Biphenyl (Diphenyl)	ug/L	<5.0	50	38.2	76	43-116	
bis(2-Chloroethoxy)methane	ug/L	<5.0	50	29.9	60	47-102	
bis(2-Chloroethyl) ether	ug/L	<5.0	50	23.8	48	39-111	CL
bis(2-Ethylhexyl)phthalate	ug/L	<5.0	50	38.1	76	37-138	
Butylbenzylphthalate	ug/L	<5.0	50	37.5	75	38-135	
Caprolactam	ug/L	<5.0	50	13.8	28	10-93	
Carbazole	ug/L	<5.0	50	44.1	88	69-127	
Chrysene	ug/L	<5.0	50	44.1	88	42-140	
Di-n-butylphthalate	ug/L	<5.0	50	48.0	96	50-128	
Di-n-octylphthalate	ug/L	<5.0	50	38.4	77	32-148	
Dibenz(a,h)anthracene	ug/L	<5.0	50	47.3	95	22-147	
Dibenzofuran	ug/L	<5.0	50	42.7	85	53-117	
Diethylphthalate	ug/L	<5.0	50	46.6	93	54-124	
Dimethylphthalate	ug/L	<5.0	50	45.7	91	56-121	
Fluoranthene	ug/L	<5.0	50	46.0	92	50-123	
Fluorene	ug/L	<5.0	50	43.4	87	51-118	
Hexachloro-1,3-butadiene	ug/L	<5.0	50	38.5	77	18-90	
Hexachlorobenzene	ug/L	<5.0	50	50.8	102	52-128	
Hexachlorocyclopentadiene	ug/L	<5.0	50	22.3	45	13-119	CL
Hexachloroethane	ug/L	<5.0	50	28.8	58	41-119	
Indeno(1,2,3-cd)pyrene	ug/L	<5.0	50	54.5	109	26-156	
Isophorone	ug/L	<5.0	50	34.0	68	46-118	
N-Nitroso-di-n-propylamine	ug/L	<5.0	50	29.1	58	40-124	CL
N-Nitrosodiphenylamine	ug/L	<5.0	50	41.8	84	41-95	
Naphthalene	ug/L	<5.0	50	36.0	72	39-107	
Nitrobenzene	ug/L	<5.0	50	28.8	58	41-122	
Pentachlorophenol	ug/L	<10.0	50	55.7	111	12-124	CH
Phenanthrene	ug/L	<5.0	50	44.2	88	52-126	
Phenol	ug/L	<5.0	50	15.9	32	10-99	
Pyrene	ug/L	<5.0	50	41.8	84	41-137	
1,2-Dichlorobenzene-d4 (S)	%				57	16-110	
2,4,6-Tribromophenol (S)	%				121	10-123	E
2-Chlorophenol-d4 (S)	%				63	33-110	
2-Fluorobiphenyl (S)	%				71	43-116	
2-Fluorophenol (S)	%				39	21-110	

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QUALITY CONTROL DATA

Project: FORMER COYNE TEXTILE 4/16

Pace Project No.: 7048576

MATRIX SPIKE SAMPLE: 295394		7048576003	Spike	MS	MS	% Rec	
Parameter	Units	Result	Conc.	Result	% Rec	Limits	Qualifiers
Nitrobenzene-d5 (S)	%				55	35-114	
p-Terphenyl-d14 (S)	%				74	33-141	
Phenol-d5 (S)	%				25	10-110	

SAMPLE DUPLICATE: 295395

Parameter	Units	7048576004	Dup	RPD	Qualifiers
		Result	Result		
2,2'-Oxybis(1-chloropropane)	ug/L	<5.0	<5.0		CL
2,4,5-Trichlorophenol	ug/L	<5.0	<5.0		
2,4,6-Trichlorophenol	ug/L	<5.0	<5.0		
2,4-Dichlorophenol	ug/L	<5.0	<5.0		
2,4-Dimethylphenol	ug/L	<5.0	<5.0		
2,4-Dinitrophenol	ug/L	<10.0	<10.0		
2,4-Dinitrotoluene	ug/L	<5.0	<5.0		
2,6-Dinitrotoluene	ug/L	<5.0	<5.0		
2-Chloronaphthalene	ug/L	<5.0	<5.0		
2-Chlorophenol	ug/L	<5.0	<5.0		
2-Methylnaphthalene	ug/L	<5.0	<5.0		
2-Methylphenol(o-Cresol)	ug/L	<5.0	<5.0		
2-Nitroaniline	ug/L	<5.0	<5.0		CL
2-Nitrophenol	ug/L	<5.0	<5.0		
3&4-Methylphenol(m&p Cresol)	ug/L	<5.0	<5.0		
3,3'-Dichlorobenzidine	ug/L	<5.0	<5.0		
3-Nitroaniline	ug/L	<5.0	<5.0		
4,6-Dinitro-2-methylphenol	ug/L	<10.0	<10.0		
4-Bromophenylphenyl ether	ug/L	<5.0	<5.0		
4-Chloro-3-methylphenol	ug/L	<5.0	<5.0		
4-Chloroaniline	ug/L	<5.0	<5.0		
4-Chlorophenylphenyl ether	ug/L	<5.0	<5.0		
4-Nitroaniline	ug/L	<5.0	<5.0		
4-Nitrophenol	ug/L	<10.0	<10.0		
Acenaphthene	ug/L	<5.0	<5.0		
Acenaphthylene	ug/L	<5.0	<5.0		
Acetophenone	ug/L	<5.0	<5.0		
Anthracene	ug/L	<5.0	<5.0		
Atrazine	ug/L	<5.0	<5.0		
Benzaldehyde	ug/L	<5.0	<5.0		CL
Benzo(a)anthracene	ug/L	<5.0	<5.0		
Benzo(a)pyrene	ug/L	<5.0	<5.0		
Benzo(b)fluoranthene	ug/L	<5.0	<5.0		
Benzo(g,h,i)perylene	ug/L	<5.0	<5.0		
Benzo(k)fluoranthene	ug/L	<5.0	<5.0		
Biphenyl (Diphenyl)	ug/L	<5.0	<5.0		
bis(2-Chloroethoxy)methane	ug/L	<5.0	<5.0		
bis(2-Chloroethyl) ether	ug/L	<5.0	<5.0		CL

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QUALITY CONTROL DATA

Project: FORMER COYNE TEXTILE 4/16

Pace Project No.: 7048576

SAMPLE DUPLICATE: 295395

Parameter	Units	7048576004 Result	Dup Result	RPD	Qualifiers
bis(2-Ethylhexyl)phthalate	ug/L	11.0	9.8	12	
Butylbenzylphthalate	ug/L	<5.0	<5.0		
Caprolactam	ug/L	<5.0	<5.0		
Carbazole	ug/L	<5.0	<5.0		
Chrysene	ug/L	<5.0	<5.0		
Di-n-butylphthalate	ug/L	<5.0	<5.0		
Di-n-octylphthalate	ug/L	<5.0	<5.0		
Dibenz(a,h)anthracene	ug/L	<5.0	<5.0		
Dibenzofuran	ug/L	<5.0	<5.0		
Diethylphthalate	ug/L	<5.0	<5.0		
Dimethylphthalate	ug/L	<5.0	<5.0		
Fluoranthene	ug/L	<5.0	<5.0		
Fluorene	ug/L	<5.0	<5.0		
Hexachloro-1,3-butadiene	ug/L	<5.0	<5.0		
Hexachlorobenzene	ug/L	<5.0	<5.0		
Hexachlorocyclopentadiene	ug/L	<5.0	<5.0		CL
Hexachloroethane	ug/L	<5.0	<5.0		
Indeno(1,2,3-cd)pyrene	ug/L	<5.0	<5.0		
Isophorone	ug/L	<5.0	<5.0		
N-Nitroso-di-n-propylamine	ug/L	<5.0	<5.0		CL
N-Nitrosodiphenylamine	ug/L	<5.0	<5.0		
Naphthalene	ug/L	<5.0	<5.0		
Nitrobenzene	ug/L	<5.0	<5.0		
Pentachlorophenol	ug/L	<10.0	<10.0		
Phenanthrene	ug/L	<5.0	<5.0		
Phenol	ug/L	<5.0	<5.0		
Pyrene	ug/L	<5.0	<5.0		
1,2-Dichlorobenzene-d4 (S)	%	55	50	10	
2,4,6-Tribromophenol (S)	%	117	115	2	E
2-Chlorophenol-d4 (S)	%	59	55	7	
2-Fluorobiphenyl (S)	%	75	71	4	
2-Fluorophenol (S)	%	38	35	8	
Nitrobenzene-d5 (S)	%	55	50	9	
p-Terphenyl-d14 (S)	%	73	78	7	
Phenol-d5 (S)	%	25	23	8	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

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QUALIFIERS

Project: FORMER COYNE TEXTILE 4/16

Pace Project No.: 7048576

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

CH	The continuing calibration for this compound is outside of Pace Analytical acceptance limits. The results may be biased high.
CL	The continuing calibration for this compound is outside of Pace Analytical acceptance limits. The results may be biased low.
D6	The precision between the sample and sample duplicate exceeded laboratory control limits.
E	Analyte concentration exceeded the calibration range. The reported result is estimated.
IC	The initial calibration for this compound was outside of method control limits. The result is estimated.
IH	This analyte exceeded secondary source verification criteria high for the initial calibration. The reported results should be considered an estimated value.
IL	This analyte exceeded secondary source verification criteria low for the initial calibration. The reported results should be considered an estimated value.
L2	Analyte recovery in the laboratory control sample (LCS) was below QC limits. Results for this analyte in associated samples may be biased low.
M0	Matrix spike recovery and/or matrix spike duplicate recovery was outside laboratory control limits.
M1	Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.
S0	Surrogate recovery outside laboratory control limits.
S4	Surrogate recovery not evaluated against control limits due to sample dilution.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: FORMER COYNE TEXTILE 4/16
Pace Project No.: 7048576

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
7048576001	GW 100	EPA 3510C	64113	EPA 8082A	64133
7048576002	GW 101S	EPA 3510C	64113	EPA 8082A	64133
7048576003	GW 101I	EPA 3510C	64113	EPA 8082A	64133
7048576001	GW 100	EPA 200.7	64027	EPA 200.7	64041
7048576002	GW 101S	EPA 200.7	64027	EPA 200.7	64041
7048576003	GW 101I	EPA 200.7	64027	EPA 200.7	64041
7048576001	GW 100	EPA 7470A	64013	EPA 7470A	64049
7048576002	GW 101S	EPA 7470A	64013	EPA 7470A	64049
7048576003	GW 101I	EPA 7470A	64013	EPA 7470A	64049
7048576001	GW 100	EPA 3510C	63970	EPA 8270D	64108
7048576002	GW 101S	EPA 3510C	64335	EPA 8270D	64448
7048576003	GW 101I	EPA 3510C	64335	EPA 8270D	64448
7048576004	TEMP-GW001	EPA 3510C	64335	EPA 8270D	64448
7048576001	GW 100	EPA 8260C/5030C	64369		
7048576002	GW 101S	EPA 8260C/5030C	64369		
7048576003	GW 101I	EPA 8260C/5030C	64369		
7048576004	TEMP-GW001	EPA 8260C/5030C	64369		

REPORT OF LABORATORY ANALYSIS

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WO#: 7048576



7048576 Client Information:

CHAIN-OF-CUSTODY / Analytical Request Document
The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Section C
Invoice Information: Page: 2203567 of

Required Project Information: Report To: Kehmann@cha.companies.com
 Attention:
 Company Name:
 Address:
 NPDES GROUND WATER DRINKING WATER
 UST RCRA OTHER

Preservatives:
 H₂SO₄ HNO₃ HCl NaOH Na₂S₂O₃ Methanol Other

Requested Analysis Filtered (Y/N) NY
 Site Location
 STATE: NY

ITEM #	Matrix Codes MATRIX / CODE Drinking Water DW Waste Water WW Water Product P Soil/Solid SL Oil OL Wipe WP Air AR Tissue TS Other OT	SAMPLE ID (A-Z, 0-9 / -) Sample IDs MUST BE UNIQUE	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED		# OF CONTAINERS	Unpreserved	Preservatives							Analysis Test ↑ Y/N ↑	Requested Analysis Filtered (Y/N)	Pace Project No. / Lab I.D.
					COMPOSITE START	COMPOSITE END/GRAB			H ₂ SO ₄	HNO ₃	HCl	NaOH	Na ₂ S ₂ O ₃	Methanol	Other			
1		GW 100	WTG	G	4/16/18	4/16/18	6	X	X	X	X	X	X	X	X	X	TL-VOL-826D	001
2		GW 101S	WTG	G	4/16/18	4/16/18	6	X	X	X	X	X	X	X	X	X	TL-VOL-827D PCB THL METALS	002
3		GW 101 I	WTG	G	4/16/18	4/16/18	6	X	X	X	X	X	X	X	X	X	TL-VOL-827D	003
4		Temp - GW001	WTG	G	4/16/18	4/16/18	4	X	X	X	X	X	X	X	X	X	Residual Chlorine (Y/N)	004

Section D
Requested Analysis Filtered (Y/N)

Relinquished By / Affiliation: Date: Time:
 Accepted By / Affiliation: Date: 4/16/18 Time: 3:30
 CHA 4/16/18 3:30
 4/16/18 17:00 Fed Gas to Kehmann

Temp in °C: Received on Ice (Y/N): Custody Sealed Cooler (Y/N): Samples Intact (Y/N):

DATE Signed (MM/DD/YY): 4/16/2018
 PRINT Name of SAMPLER: Kaym Ehmann
 SIGNATURE of SAMPLER:

ORIGINAL

*Important: Note: By signing this form you are accepting Pace's NET 30 day payment terms and agreeing to late charges of 1.5% per month for any invoices not paid within 30 days.



Sample Condition Upon Receipt

Client Name: CHA

Project **WO# : 7048576**
 PM: JM2 Due Date: 04/24/18
 CLIENT: CHA

Courier: Fed Ex UPS USPS Client Commercial Pace Other

Tracking #: 772009809478

Custody Seal on Cooler/Box Present: Yes No Seals intact: Yes No

Temperature Blank Present: Yes No

Packing Material: Bubble Wrap Bubble Bags Ziploc None Other

Type of Ice: Wet Blue None

Thermometer Used: TH091 Correction Factor: 0.0

Samples on ice, cooling process has begun

Cooler Temperature (°C): 3.1 Cooler Temperature Corrected (°C): 3.1

Date/Time 5035A kits placed in freezer _____

Temp should be above freezing to 6.0°C

USDA Regulated Soil (N/A, water sample) Date and Initials of person examining contents: 4/17/18

Did samples originate in a quarantine zone within the United States: AL, AR, CA, FL, GA, ID, LA, MS, NC, NM, NY, OK, OR, SC, TN, TX, or VA (check map)? YES NO

Did samples originate from a foreign source (internationally, including Hawaii and Puerto Rico)? Yes No

If Yes to either question, fill out a Regulated Soil Checklist (F-LI-C-010) and include with SCUR/COC paperwork.

				COMMENTS:
Chain of Custody Present:	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No		1.
Chain of Custody Filled Out:	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No		2.
Chain of Custody Relinquished:	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No		3.
Sampler Name & Signature on COC:	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> N/A	4.
Samples Arrived within Hold Time:	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No		5.
Short Hold Time Analysis (<72hr):	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No		6.
Rush Turn Around Time Requested:	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No		7.
Sufficient Volume: (Triple volume provided for MS/MSD)	<input type="checkbox"/> Yes	<input type="checkbox"/> No		8.
Correct Containers Used:	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No		9.
-Pace Containers Used:	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No		
Containers Intact:	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No		10.
Filtered volume received for Dissolved tests	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input checked="" type="checkbox"/> N/A	11. Note if sediment is visible in the dissolved container.
Sample Labels match COC:	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No		12. sample -004 label on bottle doesn't match COC, matched by time logged per doc.
-Includes date/time/ID/Analysis Matrix SL, WT OIL				
All containers needing preservation have been checked	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<input checked="" type="checkbox"/> N/A	13. <input type="checkbox"/> HNO ₃ <input type="checkbox"/> H ₂ SO ₄ <input type="checkbox"/> NaOH <input type="checkbox"/> HCl
pH paper Lot # <u>HCI 727135</u>			<u>SW</u>	Sample #
All containers needing preservation are found to be in compliance with EPA recommendation? (HNO ₃ , H ₂ SO ₄ , HCl, NaOH >9 Sulfide, NAOH >12 Cyanide)	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> N/A	Initial when completed:
Exceptions: VOA, Coliform, TOC/DOC, Oil and Grease, DRO/8015 (water). Per Method, VOA pH is checked after analysis				Lot # of added preservative:
				Date/Time preservative added:
Samples checked for dechlorination:	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input checked="" type="checkbox"/> N/A	14. Positive for Res. Chlorine? Y N
KI starch test strips Lot #				
Residual chlorine strips Lot #				
Headspace in VOA Vials (>6mm):	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	<input type="checkbox"/> N/A	15.
Trip Blank Present:	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input checked="" type="checkbox"/> N/A	16.
Trip Blank Custody Seals Present	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input checked="" type="checkbox"/> N/A	
Pace Trip Blank Lot # (if applicable):				

Client Notification/ Resolution:

Field Data Required? Y / N

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

May 02, 2018

Samantha Miller
CHA Companies
300 South Stae Street
Syracuse, NY 13202

RE: Project: COYNE TEXTILE FACILITY-4/17
Pace Project No.: 7048778

Dear Samantha Miller:

Enclosed are the analytical results for sample(s) received by the laboratory on April 18, 2018. The results relate only to the samples included in this report. Results reported herein conform to the most current, applicable TNI/NELAC standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,



James Murphy
james.murphy@pacelabs.com
(518)346-4592
Project Manager

Enclosures

cc: Karyn Ehmann, CHA Companies



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: COYNE TEXTILE FACILITY-4/17

Pace Project No.: 7048778

Long Island Certification IDs

575 Broad Hollow Rd, Melville, NY 11747

New York Certification #: 10478 Primary Accrediting Body

New Jersey Certification #: NY158

Pennsylvania Certification #: 68-00350

Connecticut Certification #: PH-0435

Maryland Certification #: 208

Rhode Island Certification #: LAO00340

Massachusetts Certification #: M-NY026

New Hampshire Certification #: 2987

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: COYNE TEXTILE FACILITY-4/17

Pace Project No.: 7048778

Method: EPA 8082A

Description: 8082 GCS PCB

Client: CHA Companies

Date: May 02, 2018

General Information:

1 sample was analyzed for EPA 8082A. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:

The samples were prepared in accordance with EPA 3510C with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):

All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:

All criteria were within method requirements with any exceptions noted below.

Surrogates:

All surrogates were within QC limits with any exceptions noted below.

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Additional Comments:

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: COYNE TEXTILE FACILITY-4/17

Pace Project No.: 7048778

Method: EPA 200.7

Description: 200.7 Metals, Total

Client: CHA Companies

Date: May 02, 2018

General Information:

1 sample was analyzed for EPA 200.7. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:

The samples were prepared in accordance with EPA 200.7 with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):

All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:

All criteria were within method requirements with any exceptions noted below.

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

QC Batch: 64189

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 7048758001,7048758002

M1: Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

- MS (Lab ID: 294521)
 - Silver
- MS (Lab ID: 294523)
 - Silver

Duplicate Sample:

All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: COYNE TEXTILE FACILITY-4/17

Pace Project No.: 7048778

Method: EPA 7470A

Description: 7470 Mercury

Client: CHA Companies

Date: May 02, 2018

General Information:

1 sample was analyzed for EPA 7470A. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:

The samples were prepared in accordance with EPA 7470A with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):

All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:

All criteria were within method requirements with any exceptions noted below.

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Duplicate Sample:

All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: COYNE TEXTILE FACILITY-4/17

Pace Project No.: 7048778

Method: EPA 8270D

Description: 8270 MSSV

Client: CHA Companies

Date: May 02, 2018

General Information:

1 sample was analyzed for EPA 8270D. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:

The samples were prepared in accordance with EPA 3510C with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):

All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:

All criteria were within method requirements with any exceptions noted below.

QC Batch: 64335

CH: The continuing calibration for this compound is outside of Pace Analytical acceptance limits. The results may be biased high.

- LCS (Lab ID: 295295)
 - Pentachlorophenol
- MS (Lab ID: 295394)
 - Pentachlorophenol

CL: The continuing calibration for this compound is outside of Pace Analytical acceptance limits. The results may be biased low.

- BLANK (Lab ID: 295294)
 - 2,2'-Oxybis(1-chloropropane)
 - 2-Nitroaniline
 - Benzaldehyde
 - Hexachlorocyclopentadiene
 - N-Nitroso-di-n-propylamine
 - bis(2-Chloroethyl) ether
- DUP (Lab ID: 295395)
 - 2,2'-Oxybis(1-chloropropane)
 - 2-Nitroaniline
 - Benzaldehyde
 - Hexachlorocyclopentadiene
 - N-Nitroso-di-n-propylamine
 - bis(2-Chloroethyl) ether
- GW-102 (Lab ID: 7048778001)
 - 2,2'-Oxybis(1-chloropropane)
 - 2-Nitroaniline
 - Benzaldehyde
 - Hexachlorocyclopentadiene
 - N-Nitroso-di-n-propylamine
 - bis(2-Chloroethyl) ether
- LCS (Lab ID: 295295)

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PROJECT NARRATIVE

Project: COYNE TEXTILE FACILITY-4/17

Pace Project No.: 7048778

Method: EPA 8270D

Description: 8270 MSSV

Client: CHA Companies

Date: May 02, 2018

QC Batch: 64335

CL: The continuing calibration for this compound is outside of Pace Analytical acceptance limits. The results may be biased low.

- 2,2'-Oxybis(1-chloropropane)
- 2-Nitroaniline
- Benzaldehyde
- Hexachlorocyclopentadiene
- N-Nitroso-di-n-propylamine
- bis(2-Chloroethyl) ether
- MS (Lab ID: 295394)
 - 2,2'-Oxybis(1-chloropropane)
 - 2-Nitroaniline
 - Benzaldehyde
 - Hexachlorocyclopentadiene
 - N-Nitroso-di-n-propylamine
 - bis(2-Chloroethyl) ether

Internal Standards:

All internal standards were within QC limits with any exceptions noted below.

Surrogates:

All surrogates were within QC limits with any exceptions noted below.

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

QC Batch: 64335

L2: Analyte recovery in the laboratory control sample (LCS) was below QC limits. Results for this analyte in associated samples may be biased low.

- LCS (Lab ID: 295295)
 - 2,2'-Oxybis(1-chloropropane)
 - 2,4-Dimethylphenol
 - Atrazine

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

QC Batch: 64335

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 7048576003

M0: Matrix spike recovery and/or matrix spike duplicate recovery was outside laboratory control limits.

- MS (Lab ID: 295394)
 - 2,2'-Oxybis(1-chloropropane)
 - Atrazine

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PROJECT NARRATIVE

Project: COYNE TEXTILE FACILITY-4/17

Pace Project No.: 7048778

Method: EPA 8270D

Description: 8270 MSSV

Client: CHA Companies

Date: May 02, 2018

QC Batch: 64335

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 7048576003

M1: Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

- MS (Lab ID: 295394)
- Benzaldehyde

Duplicate Sample:

All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

Analyte Comments:

QC Batch: 64335

E: Analyte concentration exceeded the calibration range. The reported result is estimated.

- DUP (Lab ID: 295395)
 - 2,4,6-Tribromophenol (S)
- MS (Lab ID: 295394)
 - 2,4,6-Tribromophenol (S)

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: COYNE TEXTILE FACILITY-4/17

Pace Project No.: 7048778

Method: EPA 8260C/5030C

Description: 8260C Volatile Organics

Client: CHA Companies

Date: May 02, 2018

General Information:

1 sample was analyzed for EPA 8260C/5030C. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):

All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:

All criteria were within method requirements with any exceptions noted below.

QC Batch: 64369

CL: The continuing calibration for this compound is outside of Pace Analytical acceptance limits. The results may be biased low.

- BLANK (Lab ID: 295446)
 - Acetone
 - Cyclohexane
 - Dichlorodifluoromethane
 - Methyl acetate
 - Vinyl chloride
- GW-102 (Lab ID: 7048778001)
 - Acetone
 - Cyclohexane
 - Dichlorodifluoromethane
 - Methyl acetate
 - Vinyl chloride
- LCS (Lab ID: 295447)
 - Acetone
 - Cyclohexane
 - Dichlorodifluoromethane
 - Methyl acetate
 - Vinyl chloride
- MS (Lab ID: 295667)
 - Acetone
 - Cyclohexane
 - Dichlorodifluoromethane
 - Methyl acetate
 - Vinyl chloride
- MSD (Lab ID: 295668)
 - Acetone
 - Cyclohexane
 - Dichlorodifluoromethane
 - Methyl acetate
 - Vinyl chloride

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: COYNE TEXTILE FACILITY-4/17

Pace Project No.: 7048778

Method: EPA 8260C/5030C

Description: 8260C Volatile Organics

Client: CHA Companies

Date: May 02, 2018

Internal Standards:

All internal standards were within QC limits with any exceptions noted below.

Surrogates:

All surrogates were within QC limits with any exceptions noted below.

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

QC Batch: 64369

L2: Analyte recovery in the laboratory control sample (LCS) was below QC limits. Results for this analyte in associated samples may be biased low.

- LCS (Lab ID: 295447)
- 1,1-Dichloroethane

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

QC Batch: 64369

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 7048944006

M0: Matrix spike recovery and/or matrix spike duplicate recovery was outside laboratory control limits.

- MS (Lab ID: 295667)
- 1,1-Dichloroethane
- MSD (Lab ID: 295668)
- 1,1-Dichloroethane

M1: Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

- MS (Lab ID: 295667)
- Bromomethane

Additional Comments:

This data package has been reviewed for quality and completeness and is approved for release.

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: COYNE TEXTILE FACILITY-4/17

Pace Project No.: 7048778

Sample: GW-102	Lab ID: 7048778001	Collected: 04/17/18 10:30	Received: 04/18/18 10:40	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8082 GCS PCB								
Analytical Method: EPA 8082A Preparation Method: EPA 3510C								
PCB-1016 (Aroclor 1016)	<1.0	ug/L	1.0	1	04/19/18 06:28	04/19/18 20:04	12674-11-2	
PCB-1221 (Aroclor 1221)	<2.0	ug/L	2.0	1	04/19/18 06:28	04/19/18 20:04	11104-28-2	
PCB-1232 (Aroclor 1232)	<1.0	ug/L	1.0	1	04/19/18 06:28	04/19/18 20:04	11141-16-5	
PCB-1242 (Aroclor 1242)	<1.0	ug/L	1.0	1	04/19/18 06:28	04/19/18 20:04	53469-21-9	
PCB-1248 (Aroclor 1248)	<1.0	ug/L	1.0	1	04/19/18 06:28	04/19/18 20:04	12672-29-6	
PCB-1254 (Aroclor 1254)	<1.0	ug/L	1.0	1	04/19/18 06:28	04/19/18 20:04	11097-69-1	
PCB-1260 (Aroclor 1260)	<1.0	ug/L	1.0	1	04/19/18 06:28	04/19/18 20:04	11096-82-5	
Surrogates								
Tetrachloro-m-xylene (S)	55	%	30-150	1	04/19/18 06:28	04/19/18 20:04	877-09-8	
Decachlorobiphenyl (S)	58	%	30-150	1	04/19/18 06:28	04/19/18 20:04	2051-24-3	
200.7 Metals, Total								
Analytical Method: EPA 200.7 Preparation Method: EPA 200.7								
Aluminum	985	ug/L	200	1	04/19/18 07:35	04/19/18 13:29	7429-90-5	
Antimony	<60.0	ug/L	60.0	1	04/19/18 07:35	04/19/18 13:29	7440-36-0	
Arsenic	<10.0	ug/L	10.0	1	04/19/18 07:35	04/19/18 13:29	7440-38-2	
Barium	625	ug/L	200	1	04/19/18 07:35	04/19/18 13:29	7440-39-3	
Beryllium	<5.0	ug/L	5.0	1	04/19/18 07:35	04/19/18 13:29	7440-41-7	
Cadmium	<2.5	ug/L	2.5	1	04/19/18 07:35	04/19/18 13:29	7440-43-9	
Calcium	243000	ug/L	1000	1	04/19/18 07:35	04/19/18 13:29	7440-70-2	
Chromium	22.1	ug/L	10.0	1	04/19/18 07:35	04/19/18 13:29	7440-47-3	
Cobalt	<50.0	ug/L	50.0	1	04/19/18 07:35	04/19/18 13:29	7440-48-4	
Copper	100	ug/L	25.0	1	04/19/18 07:35	04/19/18 13:29	7440-50-8	
Iron	2140	ug/L	20.0	1	04/19/18 07:35	04/19/18 13:29	7439-89-6	
Lead	<5.0	ug/L	5.0	1	04/19/18 07:35	04/19/18 13:29	7439-92-1	
Magnesium	59700	ug/L	1000	1	04/19/18 07:35	04/19/18 13:29	7439-95-4	
Manganese	167	ug/L	10.0	1	04/19/18 07:35	04/19/18 13:29	7439-96-5	
Nickel	<40.0	ug/L	40.0	1	04/19/18 07:35	04/19/18 13:29	7440-02-0	
Potassium	15300	ug/L	5000	1	04/19/18 07:35	04/19/18 13:29	7440-09-7	
Selenium	<10.0	ug/L	10.0	1	04/19/18 07:35	04/19/18 13:29	7782-49-2	
Silver	<10.0	ug/L	10.0	1	04/19/18 07:35	04/19/18 13:29	7440-22-4	
Sodium	178000	ug/L	5000	1	04/19/18 07:35	04/19/18 13:29	7440-23-5	
Thallium	<10.0	ug/L	10.0	1	04/19/18 07:35	04/19/18 13:29	7440-28-0	
Vanadium	<50.0	ug/L	50.0	1	04/19/18 07:35	04/19/18 13:29	7440-62-2	
Zinc	33.1	ug/L	20.0	1	04/19/18 07:35	04/19/18 13:29	7440-66-6	
7470 Mercury								
Analytical Method: EPA 7470A Preparation Method: EPA 7470A								
Mercury	<0.20	ug/L	0.20	1	04/19/18 07:40	04/19/18 15:01	7439-97-6	
8270 MSSV								
Analytical Method: EPA 8270D Preparation Method: EPA 3510C								
Acenaphthene	<5.0	ug/L	5.0	1	04/20/18 10:06	04/26/18 18:29	83-32-9	
Acenaphthylene	<5.0	ug/L	5.0	1	04/20/18 10:06	04/26/18 18:29	208-96-8	
Acetophenone	<5.0	ug/L	5.0	1	04/20/18 10:06	04/26/18 18:29	98-86-2	
Anthracene	<5.0	ug/L	5.0	1	04/20/18 10:06	04/26/18 18:29	120-12-7	
Atrazine	<5.0	ug/L	5.0	1	04/20/18 10:06	04/26/18 18:29	1912-24-9	L2
Benzaldehyde	<5.0	ug/L	5.0	1	04/20/18 10:06	04/26/18 18:29	100-52-7	CL
Benzo(a)anthracene	<5.0	ug/L	5.0	1	04/20/18 10:06	04/26/18 18:29	56-55-3	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: COYNE TEXTILE FACILITY-4/17

Pace Project No.: 7048778

Sample: GW-102	Lab ID: 7048778001	Collected: 04/17/18 10:30	Received: 04/18/18 10:40	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV		Analytical Method: EPA 8270D Preparation Method: EPA 3510C						
Benzo(a)pyrene	<5.0	ug/L	5.0	1	04/20/18 10:06	04/26/18 18:29	50-32-8	
Benzo(b)fluoranthene	<5.0	ug/L	5.0	1	04/20/18 10:06	04/26/18 18:29	205-99-2	
Benzo(g,h,i)perylene	<5.0	ug/L	5.0	1	04/20/18 10:06	04/26/18 18:29	191-24-2	
Benzo(k)fluoranthene	<5.0	ug/L	5.0	1	04/20/18 10:06	04/26/18 18:29	207-08-9	
Biphenyl (Diphenyl)	<5.0	ug/L	5.0	1	04/20/18 10:06	04/26/18 18:29	92-52-4	
4-Bromophenylphenyl ether	<5.0	ug/L	5.0	1	04/20/18 10:06	04/26/18 18:29	101-55-3	
Butylbenzylphthalate	<5.0	ug/L	5.0	1	04/20/18 10:06	04/26/18 18:29	85-68-7	
Caprolactam	<5.0	ug/L	5.0	1	04/20/18 10:06	04/26/18 18:29	105-60-2	
Carbazole	<5.0	ug/L	5.0	1	04/20/18 10:06	04/26/18 18:29	86-74-8	
4-Chloro-3-methylphenol	<5.0	ug/L	5.0	1	04/20/18 10:06	04/26/18 18:29	59-50-7	
4-Chloroaniline	<5.0	ug/L	5.0	1	04/20/18 10:06	04/26/18 18:29	106-47-8	
bis(2-Chloroethoxy)methane	<5.0	ug/L	5.0	1	04/20/18 10:06	04/26/18 18:29	111-91-1	
bis(2-Chloroethyl) ether	<5.0	ug/L	5.0	1	04/20/18 10:06	04/26/18 18:29	111-44-4	CL
2-Chloronaphthalene	<5.0	ug/L	5.0	1	04/20/18 10:06	04/26/18 18:29	91-58-7	
2-Chlorophenol	<5.0	ug/L	5.0	1	04/20/18 10:06	04/26/18 18:29	95-57-8	
4-Chlorophenylphenyl ether	<5.0	ug/L	5.0	1	04/20/18 10:06	04/26/18 18:29	7005-72-3	
Chrysene	<5.0	ug/L	5.0	1	04/20/18 10:06	04/26/18 18:29	218-01-9	
Dibenz(a,h)anthracene	<5.0	ug/L	5.0	1	04/20/18 10:06	04/26/18 18:29	53-70-3	
Dibenzofuran	<5.0	ug/L	5.0	1	04/20/18 10:06	04/26/18 18:29	132-64-9	
3,3'-Dichlorobenzidine	<5.0	ug/L	5.0	1	04/20/18 10:06	04/26/18 18:29	91-94-1	
2,4-Dichlorophenol	<5.0	ug/L	5.0	1	04/20/18 10:06	04/26/18 18:29	120-83-2	
Diethylphthalate	<5.0	ug/L	5.0	1	04/20/18 10:06	04/26/18 18:29	84-66-2	
2,4-Dimethylphenol	<5.0	ug/L	5.0	1	04/20/18 10:06	04/26/18 18:29	105-67-9	L2
Dimethylphthalate	<5.0	ug/L	5.0	1	04/20/18 10:06	04/26/18 18:29	131-11-3	
Di-n-butylphthalate	<5.0	ug/L	5.0	1	04/20/18 10:06	04/26/18 18:29	84-74-2	
4,6-Dinitro-2-methylphenol	<10.0	ug/L	10.0	1	04/20/18 10:06	04/26/18 18:29	534-52-1	
2,4-Dinitrophenol	<10.0	ug/L	10.0	1	04/20/18 10:06	04/26/18 18:29	51-28-5	
2,4-Dinitrotoluene	<5.0	ug/L	5.0	1	04/20/18 10:06	04/26/18 18:29	121-14-2	
2,6-Dinitrotoluene	<5.0	ug/L	5.0	1	04/20/18 10:06	04/26/18 18:29	606-20-2	
Di-n-octylphthalate	<5.0	ug/L	5.0	1	04/20/18 10:06	04/26/18 18:29	117-84-0	
bis(2-Ethylhexyl)phthalate	<5.0	ug/L	5.0	1	04/20/18 10:06	04/26/18 18:29	117-81-7	
Fluoranthene	<5.0	ug/L	5.0	1	04/20/18 10:06	04/26/18 18:29	206-44-0	
Fluorene	<5.0	ug/L	5.0	1	04/20/18 10:06	04/26/18 18:29	86-73-7	
Hexachloro-1,3-butadiene	<5.0	ug/L	5.0	1	04/20/18 10:06	04/26/18 18:29	87-68-3	
Hexachlorobenzene	<5.0	ug/L	5.0	1	04/20/18 10:06	04/26/18 18:29	118-74-1	
Hexachlorocyclopentadiene	<5.0	ug/L	5.0	1	04/20/18 10:06	04/26/18 18:29	77-47-4	CL
Hexachloroethane	<5.0	ug/L	5.0	1	04/20/18 10:06	04/26/18 18:29	67-72-1	
Indeno(1,2,3-cd)pyrene	<5.0	ug/L	5.0	1	04/20/18 10:06	04/26/18 18:29	193-39-5	
Isophorone	<5.0	ug/L	5.0	1	04/20/18 10:06	04/26/18 18:29	78-59-1	
2-Methylnaphthalene	<5.0	ug/L	5.0	1	04/20/18 10:06	04/26/18 18:29	91-57-6	
2-Methylphenol(o-Cresol)	<5.0	ug/L	5.0	1	04/20/18 10:06	04/26/18 18:29	95-48-7	
3&4-Methylphenol(m&p Cresol)	<5.0	ug/L	5.0	1	04/20/18 10:06	04/26/18 18:29		
Naphthalene	<5.0	ug/L	5.0	1	04/20/18 10:06	04/26/18 18:29	91-20-3	
2-Nitroaniline	<5.0	ug/L	5.0	1	04/20/18 10:06	04/26/18 18:29	88-74-4	CL
3-Nitroaniline	<5.0	ug/L	5.0	1	04/20/18 10:06	04/26/18 18:29	99-09-2	
4-Nitroaniline	<5.0	ug/L	5.0	1	04/20/18 10:06	04/26/18 18:29	100-01-6	
Nitrobenzene	<5.0	ug/L	5.0	1	04/20/18 10:06	04/26/18 18:29	98-95-3	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: COYNE TEXTILE FACILITY-4/17

Pace Project No.: 7048778

Sample: GW-102	Lab ID: 7048778001	Collected: 04/17/18 10:30	Received: 04/18/18 10:40	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV								
Analytical Method: EPA 8270D Preparation Method: EPA 3510C								
2-Nitrophenol	<5.0	ug/L	5.0	1	04/20/18 10:06	04/26/18 18:29	88-75-5	
4-Nitrophenol	<10.0	ug/L	10.0	1	04/20/18 10:06	04/26/18 18:29	100-02-7	
N-Nitroso-di-n-propylamine	<5.0	ug/L	5.0	1	04/20/18 10:06	04/26/18 18:29	621-64-7	CL
N-Nitrosodiphenylamine	<5.0	ug/L	5.0	1	04/20/18 10:06	04/26/18 18:29	86-30-6	
2,2'-Oxybis(1-chloropropane)	<5.0	ug/L	5.0	1	04/20/18 10:06	04/26/18 18:29	108-60-1	CL,L2
Pentachlorophenol	<10.0	ug/L	10.0	1	04/20/18 10:06	04/26/18 18:29	87-86-5	
Phenanthrene	<5.0	ug/L	5.0	1	04/20/18 10:06	04/26/18 18:29	85-01-8	
Phenol	<5.0	ug/L	5.0	1	04/20/18 10:06	04/26/18 18:29	108-95-2	
Pyrene	<5.0	ug/L	5.0	1	04/20/18 10:06	04/26/18 18:29	129-00-0	
2,4,5-Trichlorophenol	<5.0	ug/L	5.0	1	04/20/18 10:06	04/26/18 18:29	95-95-4	
2,4,6-Trichlorophenol	<5.0	ug/L	5.0	1	04/20/18 10:06	04/26/18 18:29	88-06-2	
Surrogates								
Nitrobenzene-d5 (S)	45	%	35-114	1	04/20/18 10:06	04/26/18 18:29	4165-60-0	
2-Fluorobiphenyl (S)	59	%	43-116	1	04/20/18 10:06	04/26/18 18:29	321-60-8	
p-Terphenyl-d14 (S)	81	%	33-141	1	04/20/18 10:06	04/26/18 18:29	1718-51-0	
Phenol-d5 (S)	27	%	10-110	1	04/20/18 10:06	04/26/18 18:29	4165-62-2	
2-Fluorophenol (S)	36	%	21-110	1	04/20/18 10:06	04/26/18 18:29	367-12-4	
2,4,6-Tribromophenol (S)	101	%	10-123	1	04/20/18 10:06	04/26/18 18:29	118-79-6	
2-Chlorophenol-d4 (S)	53	%	33-110	1	04/20/18 10:06	04/26/18 18:29	93951-73-6	
1,2-Dichlorobenzene-d4 (S)	46	%	16-110	1	04/20/18 10:06	04/26/18 18:29	2199-69-1	
8260C Volatile Organics								
Analytical Method: EPA 8260C/5030C								
1,1,1-Trichloroethane	<1.0	ug/L	1.0	1		04/20/18 18:13	71-55-6	
1,1,2,2-Tetrachloroethane	<1.0	ug/L	1.0	1		04/20/18 18:13	79-34-5	
1,1,2-Trichloroethane	<1.0	ug/L	1.0	1		04/20/18 18:13	79-00-5	
1,1,2-Trichlorotrifluoroethane	<1.0	ug/L	1.0	1		04/20/18 18:13	76-13-1	
1,1-Dichloroethane	<1.0	ug/L	1.0	1		04/20/18 18:13	75-34-3	L2
1,1-Dichloroethene	<1.0	ug/L	1.0	1		04/20/18 18:13	75-35-4	
1,2,4-Trichlorobenzene	<1.0	ug/L	1.0	1		04/20/18 18:13	120-82-1	
1,2-Dibromo-3-chloropropane	<1.0	ug/L	1.0	1		04/20/18 18:13	96-12-8	
1,2-Dibromoethane (EDB)	<1.0	ug/L	1.0	1		04/20/18 18:13	106-93-4	
1,2-Dichlorobenzene	<1.0	ug/L	1.0	1		04/20/18 18:13	95-50-1	
1,2-Dichloroethane	<1.0	ug/L	1.0	1		04/20/18 18:13	107-06-2	
1,2-Dichloropropane	<1.0	ug/L	1.0	1		04/20/18 18:13	78-87-5	
1,3-Dichlorobenzene	<1.0	ug/L	1.0	1		04/20/18 18:13	541-73-1	
1,4-Dichlorobenzene	<1.0	ug/L	1.0	1		04/20/18 18:13	106-46-7	
2-Butanone (MEK)	<5.0	ug/L	5.0	1		04/20/18 18:13	78-93-3	
2-Hexanone	<5.0	ug/L	5.0	1		04/20/18 18:13	591-78-6	
4-Methyl-2-pentanone (MIBK)	<5.0	ug/L	5.0	1		04/20/18 18:13	108-10-1	
Acetone	<5.0	ug/L	5.0	1		04/20/18 18:13	67-64-1	CL
Benzene	35.3	ug/L	1.0	1		04/20/18 18:13	71-43-2	
Bromodichloromethane	<1.0	ug/L	1.0	1		04/20/18 18:13	75-27-4	
Bromoform	<1.0	ug/L	1.0	1		04/20/18 18:13	75-25-2	
Bromomethane	<1.0	ug/L	1.0	1		04/20/18 18:13	74-83-9	
Carbon disulfide	<1.0	ug/L	1.0	1		04/20/18 18:13	75-15-0	
Carbon tetrachloride	<1.0	ug/L	1.0	1		04/20/18 18:13	56-23-5	
Chlorobenzene	<1.0	ug/L	1.0	1		04/20/18 18:13	108-90-7	

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ANALYTICAL RESULTS

Project: COYNE TEXTILE FACILITY-4/17

Pace Project No.: 7048778

Sample: GW-102	Lab ID: 7048778001	Collected: 04/17/18 10:30	Received: 04/18/18 10:40	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260C Volatile Organics		Analytical Method: EPA 8260C/5030C						
Chloroethane	<1.0	ug/L	1.0	1		04/20/18 18:13	75-00-3	
Chloroform	<1.0	ug/L	1.0	1		04/20/18 18:13	67-66-3	
Chloromethane	<1.0	ug/L	1.0	1		04/20/18 18:13	74-87-3	
Cyclohexane	<1.0	ug/L	1.0	1		04/20/18 18:13	110-82-7	CL
Dibromochloromethane	<1.0	ug/L	1.0	1		04/20/18 18:13	124-48-1	
Dichlorodifluoromethane	<1.0	ug/L	1.0	1		04/20/18 18:13	75-71-8	CL
Ethylbenzene	1.8	ug/L	1.0	1		04/20/18 18:13	100-41-4	
Isopropylbenzene (Cumene)	2.6	ug/L	1.0	1		04/20/18 18:13	98-82-8	
Methyl acetate	<1.0	ug/L	1.0	1		04/20/18 18:13	79-20-9	CL
Methyl-tert-butyl ether	<1.0	ug/L	1.0	1		04/20/18 18:13	1634-04-4	
Methylcyclohexane	2.5	ug/L	1.0	1		04/20/18 18:13	108-87-2	
Methylene Chloride	<1.0	ug/L	1.0	1		04/20/18 18:13	75-09-2	
Styrene	<1.0	ug/L	1.0	1		04/20/18 18:13	100-42-5	
Tetrachloroethene	<1.0	ug/L	1.0	1		04/20/18 18:13	127-18-4	
Toluene	<1.0	ug/L	1.0	1		04/20/18 18:13	108-88-3	
Trichloroethene	<1.0	ug/L	1.0	1		04/20/18 18:13	79-01-6	
Trichlorofluoromethane	<1.0	ug/L	1.0	1		04/20/18 18:13	75-69-4	
Vinyl chloride	40.3	ug/L	1.0	1		04/20/18 18:13	75-01-4	CL
Xylene (Total)	<3.0	ug/L	3.0	1		04/20/18 18:13	1330-20-7	
cis-1,2-Dichloroethene	19.3	ug/L	1.0	1		04/20/18 18:13	156-59-2	
cis-1,3-Dichloropropene	<1.0	ug/L	1.0	1		04/20/18 18:13	10061-01-5	
trans-1,2-Dichloroethene	1.3	ug/L	1.0	1		04/20/18 18:13	156-60-5	
trans-1,3-Dichloropropene	<1.0	ug/L	1.0	1		04/20/18 18:13	10061-02-6	
Surrogates								
1,2-Dichloroethane-d4 (S)	89	%	68-153	1		04/20/18 18:13	17060-07-0	
4-Bromofluorobenzene (S)	105	%	79-124	1		04/20/18 18:13	460-00-4	
Toluene-d8 (S)	99	%	69-124	1		04/20/18 18:13	2037-26-5	

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QUALITY CONTROL DATA

Project: COYNE TEXTILE FACILITY-4/17

Pace Project No.: 7048778

QC Batch: 64193

Analysis Method: EPA 7470A

QC Batch Method: EPA 7470A

Analysis Description: 7470 Mercury

Associated Lab Samples: 7048778001

METHOD BLANK: 294536

Matrix: Water

Associated Lab Samples: 7048778001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury	ug/L	<0.20	0.20	04/19/18 14:57	

LABORATORY CONTROL SAMPLE: 294537

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	1	1.1	114	80-120	

MATRIX SPIKE SAMPLE: 294538

Parameter	Units	7048778001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	<0.20	1	1.2	115	75-125	

SAMPLE DUPLICATE: 294539

Parameter	Units	7048778001 Result	Dup Result	RPD	Qualifiers
Mercury	ug/L	<0.20	<0.20		

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: COYNE TEXTILE FACILITY-4/17

Pace Project No.: 7048778

QC Batch: 64189	Analysis Method: EPA 200.7
QC Batch Method: EPA 200.7	Analysis Description: 200.7 Metals, Total
Associated Lab Samples: 7048778001	

METHOD BLANK: 294518 Matrix: Water

Associated Lab Samples: 7048778001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Aluminum	ug/L	<200	200	04/19/18 13:07	
Antimony	ug/L	<60.0	60.0	04/19/18 13:07	
Arsenic	ug/L	<10.0	10.0	04/19/18 13:07	
Barium	ug/L	<200	200	04/19/18 13:07	
Beryllium	ug/L	<5.0	5.0	04/19/18 13:07	
Cadmium	ug/L	<2.5	2.5	04/19/18 13:07	
Calcium	ug/L	<1000	1000	04/19/18 13:07	
Chromium	ug/L	<10.0	10.0	04/19/18 13:07	
Cobalt	ug/L	<50.0	50.0	04/19/18 13:07	
Copper	ug/L	<25.0	25.0	04/19/18 13:07	
Iron	ug/L	<20.0	20.0	04/19/18 13:07	
Lead	ug/L	<5.0	5.0	04/19/18 13:07	
Magnesium	ug/L	<1000	1000	04/19/18 13:07	
Manganese	ug/L	<10.0	10.0	04/19/18 13:07	
Nickel	ug/L	<40.0	40.0	04/19/18 13:07	
Potassium	ug/L	<5000	5000	04/19/18 13:07	
Selenium	ug/L	<10.0	10.0	04/19/18 13:07	
Silver	ug/L	<10.0	10.0	04/19/18 13:07	
Sodium	ug/L	<5000	5000	04/19/18 13:07	
Thallium	ug/L	<10.0	10.0	04/19/18 13:07	
Vanadium	ug/L	<50.0	50.0	04/19/18 13:07	
Zinc	ug/L	<20.0	20.0	04/19/18 13:07	

LABORATORY CONTROL SAMPLE: 294519

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Aluminum	ug/L	5000	4980	100	85-115	
Antimony	ug/L	750	772	103	85-115	
Arsenic	ug/L	500	487	97	85-115	
Barium	ug/L	500	499	100	85-115	
Beryllium	ug/L	50	50.0	100	85-115	
Cadmium	ug/L	50	49.5	99	85-115	
Calcium	ug/L	25000	25000	100	85-115	
Chromium	ug/L	250	252	101	85-115	
Cobalt	ug/L	500	498	100	85-115	
Copper	ug/L	250	244	98	85-115	
Iron	ug/L	2000	2010	100	85-115	
Lead	ug/L	500	492	98	85-115	
Magnesium	ug/L	25000	24700	99	85-115	
Manganese	ug/L	250	249	100	85-115	

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QUALITY CONTROL DATA

Project: COYNE TEXTILE FACILITY-4/17

Pace Project No.: 7048778

LABORATORY CONTROL SAMPLE: 294519

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nickel	ug/L	250	254	102	85-115	
Potassium	ug/L	50000	49400	99	85-115	
Selenium	ug/L	750	726	97	85-115	
Silver	ug/L	250	236	94	85-115	
Sodium	ug/L	50000	49900	100	85-115	
Thallium	ug/L	750	717	96	85-115	
Vanadium	ug/L	500	501	100	85-115	
Zinc	ug/L	1000	991	99	85-115	

MATRIX SPIKE SAMPLE: 294521

Parameter	Units	7048758001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Aluminum	ug/L	<200	5000	5340	105	70-130	
Antimony	ug/L	<60.0	750	827	109	70-130	
Arsenic	ug/L	<10.0	500	523	104	70-130	
Barium	ug/L	<200	500	550	103	70-130	
Beryllium	ug/L	<5.0	50	52.3	105	70-130	
Cadmium	ug/L	<2.5	50	52.0	104	70-130	
Calcium	ug/L	53100	25000	78900	103	70-130	
Chromium	ug/L	<10.0	250	266	105	70-130	
Cobalt	ug/L	<50.0	500	528	105	70-130	
Copper	ug/L	<25.0	250	264	104	70-130	
Iron	ug/L	227	2000	2300	104	70-130	
Lead	ug/L	<5.0	500	515	103	70-130	
Magnesium	ug/L	8290	25000	34200	104	70-130	
Manganese	ug/L	25.2	250	283	103	70-130	
Nickel	ug/L	<40.0	250	272	106	70-130	
Potassium	ug/L	6430	50000	56400	100	70-130	
Selenium	ug/L	<10.0	750	775	102	70-130	
Silver	ug/L	<10.0	250	354	142	70-130 M1	
Sodium	ug/L	34300	50000	86600	105	70-130	
Thallium	ug/L	<10.0	750	760	100	70-130	
Vanadium	ug/L	<50.0	500	530	106	70-130	
Zinc	ug/L	0.15 mg/L	1000	1190	104	70-130	

MATRIX SPIKE SAMPLE: 294523

Parameter	Units	7048758002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Aluminum	ug/L	<200	5000	5200	102	70-130	
Antimony	ug/L	<60.0	750	802	107	70-130	
Arsenic	ug/L	<10.0	500	507	101	70-130	
Barium	ug/L	<200	500	537	102	70-130	
Beryllium	ug/L	<5.0	50	51.5	103	70-130	
Cadmium	ug/L	<2.5	50	51.3	103	70-130	

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QUALITY CONTROL DATA

Project: COYNE TEXTILE FACILITY-4/17

Pace Project No.: 7048778

MATRIX SPIKE SAMPLE: 294523

Parameter	Units	7048758002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Calcium	ug/L	52400	25000	75400	92	70-130	
Chromium	ug/L	<10.0	250	263	105	70-130	
Cobalt	ug/L	<50.0	500	514	103	70-130	
Copper	ug/L	<25.0	250	256	101	70-130	
Iron	ug/L	104	2000	2160	103	70-130	
Lead	ug/L	<5.0	500	507	101	70-130	
Magnesium	ug/L	8270	25000	33300	100	70-130	
Manganese	ug/L	18.7	250	290	109	70-130	
Nickel	ug/L	<40.0	250	264	103	70-130	
Potassium	ug/L	<5000	50000	51200	98	70-130	
Selenium	ug/L	<10.0	750	762	101	70-130	
Silver	ug/L	<10.0	250	354	142	70-130	M1
Sodium	ug/L	29200	50000	79500	101	70-130	
Thallium	ug/L	<10.0	750	753	99	70-130	
Vanadium	ug/L	<50.0	500	521	104	70-130	
Zinc	ug/L	0.11 mg/L	1000	1130	102	70-130	

SAMPLE DUPLICATE: 294520

Parameter	Units	7048758001 Result	Dup Result	RPD	Qualifiers
Aluminum	ug/L	<200	<200		
Antimony	ug/L	<60.0	<60.0		
Arsenic	ug/L	<10.0	<10.0		
Barium	ug/L	<200	<200		
Beryllium	ug/L	<5.0	<5.0		
Cadmium	ug/L	<2.5	<2.5		
Calcium	ug/L	53100	53900	1	
Chromium	ug/L	<10.0	<10.0		
Cobalt	ug/L	<50.0	<50.0		
Copper	ug/L	<25.0	<25.0		
Iron	ug/L	227	213	6	
Lead	ug/L	<5.0	<5.0		
Magnesium	ug/L	8290	8450	2	
Manganese	ug/L	25.2	30.8	20	
Nickel	ug/L	<40.0	<40.0		
Potassium	ug/L	6430	6570	2	
Selenium	ug/L	<10.0	<10.0		
Silver	ug/L	<10.0	<10.0		
Sodium	ug/L	34300	35000	2	
Thallium	ug/L	<10.0	<10.0		
Vanadium	ug/L	<50.0	<50.0		
Zinc	ug/L	0.15 mg/L	151	1	

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QUALITY CONTROL DATA

Project: COYNE TEXTILE FACILITY-4/17

Pace Project No.: 7048778

SAMPLE DUPLICATE: 294522

Parameter	Units	7048758002 Result	Dup Result	RPD	Qualifiers
Aluminum	ug/L	<200	<200		
Antimony	ug/L	<60.0	<60.0		
Arsenic	ug/L	<10.0	<10.0		
Barium	ug/L	<200	<200		
Beryllium	ug/L	<5.0	<5.0		
Cadmium	ug/L	<2.5	<2.5		
Calcium	ug/L	52400	52900	1	
Chromium	ug/L	<10.0	<10.0		
Cobalt	ug/L	<50.0	<50.0		
Copper	ug/L	<25.0	<25.0		
Iron	ug/L	104	104	0	
Lead	ug/L	<5.0	<5.0		
Magnesium	ug/L	8270	8350	1	
Manganese	ug/L	18.7	19.8	6	
Nickel	ug/L	<40.0	<40.0		
Potassium	ug/L	<5000	<5000		
Selenium	ug/L	<10.0	<10.0		
Silver	ug/L	<10.0	<10.0		
Sodium	ug/L	29200	29600	1	
Thallium	ug/L	<10.0	<10.0		
Vanadium	ug/L	<50.0	<50.0		
Zinc	ug/L	0.11 mg/L	111	1	

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QUALITY CONTROL DATA

Project: COYNE TEXTILE FACILITY-4/17

Pace Project No.: 7048778

QC Batch: 64369	Analysis Method: EPA 8260C/5030C
QC Batch Method: EPA 8260C/5030C	Analysis Description: 8260 MSV
Associated Lab Samples: 7048778001	

METHOD BLANK: 295446 Matrix: Water

Associated Lab Samples: 7048778001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/L	<1.0	1.0	04/20/18 14:12	
1,1,2,2-Tetrachloroethane	ug/L	<1.0	1.0	04/20/18 14:12	
1,1,2-Trichloroethane	ug/L	<1.0	1.0	04/20/18 14:12	
1,1,2-Trichlorotrifluoroethane	ug/L	<1.0	1.0	04/20/18 14:12	
1,1-Dichloroethane	ug/L	<1.0	1.0	04/20/18 14:12	
1,1-Dichloroethene	ug/L	<1.0	1.0	04/20/18 14:12	
1,2,4-Trichlorobenzene	ug/L	<1.0	1.0	04/20/18 14:12	
1,2-Dibromo-3-chloropropane	ug/L	<1.0	1.0	04/20/18 14:12	
1,2-Dibromoethane (EDB)	ug/L	<1.0	1.0	04/20/18 14:12	
1,2-Dichlorobenzene	ug/L	<1.0	1.0	04/20/18 14:12	
1,2-Dichloroethane	ug/L	<1.0	1.0	04/20/18 14:12	
1,2-Dichloropropane	ug/L	<1.0	1.0	04/20/18 14:12	
1,3-Dichlorobenzene	ug/L	<1.0	1.0	04/20/18 14:12	
1,4-Dichlorobenzene	ug/L	<1.0	1.0	04/20/18 14:12	
2-Butanone (MEK)	ug/L	<5.0	5.0	04/20/18 14:12	
2-Hexanone	ug/L	<5.0	5.0	04/20/18 14:12	
4-Methyl-2-pentanone (MIBK)	ug/L	<5.0	5.0	04/20/18 14:12	
Acetone	ug/L	<5.0	5.0	04/20/18 14:12	CL
Benzene	ug/L	<1.0	1.0	04/20/18 14:12	
Bromodichloromethane	ug/L	<1.0	1.0	04/20/18 14:12	
Bromoform	ug/L	<1.0	1.0	04/20/18 14:12	
Bromomethane	ug/L	<1.0	1.0	04/20/18 14:12	
Carbon disulfide	ug/L	<1.0	1.0	04/20/18 14:12	
Carbon tetrachloride	ug/L	<1.0	1.0	04/20/18 14:12	
Chlorobenzene	ug/L	<1.0	1.0	04/20/18 14:12	
Chloroethane	ug/L	<1.0	1.0	04/20/18 14:12	
Chloroform	ug/L	<1.0	1.0	04/20/18 14:12	
Chloromethane	ug/L	<1.0	1.0	04/20/18 14:12	
cis-1,2-Dichloroethene	ug/L	<1.0	1.0	04/20/18 14:12	
cis-1,3-Dichloropropene	ug/L	<1.0	1.0	04/20/18 14:12	
Cyclohexane	ug/L	<1.0	1.0	04/20/18 14:12	CL
Dibromochloromethane	ug/L	<1.0	1.0	04/20/18 14:12	
Dichlorodifluoromethane	ug/L	<1.0	1.0	04/20/18 14:12	CL
Ethylbenzene	ug/L	<1.0	1.0	04/20/18 14:12	
Isopropylbenzene (Cumene)	ug/L	<1.0	1.0	04/20/18 14:12	
Methyl acetate	ug/L	<1.0	1.0	04/20/18 14:12	CL
Methyl-tert-butyl ether	ug/L	<1.0	1.0	04/20/18 14:12	
Methylcyclohexane	ug/L	<1.0	1.0	04/20/18 14:12	
Methylene Chloride	ug/L	<1.0	1.0	04/20/18 14:12	
Styrene	ug/L	<1.0	1.0	04/20/18 14:12	
Tetrachloroethene	ug/L	<1.0	1.0	04/20/18 14:12	

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QUALITY CONTROL DATA

Project: COYNE TEXTILE FACILITY-4/17

Project No.: 7048778

METHOD BLANK: 295446

Matrix: Water

Associated Lab Samples: 7048778001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Toluene	ug/L	<1.0	1.0	04/20/18 14:12	
trans-1,2-Dichloroethene	ug/L	<1.0	1.0	04/20/18 14:12	
trans-1,3-Dichloropropene	ug/L	<1.0	1.0	04/20/18 14:12	
Trichloroethene	ug/L	<1.0	1.0	04/20/18 14:12	
Trichlorofluoromethane	ug/L	<1.0	1.0	04/20/18 14:12	
Vinyl chloride	ug/L	<1.0	1.0	04/20/18 14:12	CL
Xylene (Total)	ug/L	<3.0	3.0	04/20/18 14:12	
1,2-Dichloroethane-d4 (S)	%	90	68-153	04/20/18 14:12	
4-Bromofluorobenzene (S)	%	101	79-124	04/20/18 14:12	
Toluene-d8 (S)	%	104	69-124	04/20/18 14:12	

LABORATORY CONTROL SAMPLE: 295447

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	50	39.7	79	65-118	
1,1,2,2-Tetrachloroethane	ug/L	50	45.5	91	74-121	
1,1,2-Trichloroethane	ug/L	50	43.5	87	80-117	
1,1,2-Trichlorotrifluoroethane	ug/L	50	36.2	72	60-140	
1,1-Dichloroethane	ug/L	50	37.0	74	83-151	L2
1,1-Dichloroethene	ug/L	50	38.4	77	45-146	
1,2,4-Trichlorobenzene	ug/L	50	54.4	109	66-116	
1,2-Dibromo-3-chloropropane	ug/L	50	41.8	84	74-119	
1,2-Dibromoethane (EDB)	ug/L	50	47.8	96	83-115	
1,2-Dichlorobenzene	ug/L	50	46.9	94	74-113	
1,2-Dichloroethane	ug/L	50	39.0	78	74-129	
1,2-Dichloropropane	ug/L	50	38.6	77	75-117	
1,3-Dichlorobenzene	ug/L	50	47.2	94	71-112	
1,4-Dichlorobenzene	ug/L	50	47.3	95	71-113	
2-Butanone (MEK)	ug/L	50	37.2	74	44-162	
2-Hexanone	ug/L	50	44.8	90	32-183	
4-Methyl-2-pentanone (MIBK)	ug/L	50	39.5	79	69-132	
Acetone	ug/L	50	29.0	58	23-188	CL
Benzene	ug/L	50	40.4	81	73-119	
Bromodichloromethane	ug/L	50	41.8	84	78-117	
Bromoform	ug/L	50	42.0	84	65-122	
Bromomethane	ug/L	50	38.9	78	52-147	
Carbon disulfide	ug/L	50	36.3	73	41-144	
Carbon tetrachloride	ug/L	50	43.7	87	59-120	
Chlorobenzene	ug/L	50	48.2	96	75-113	
Chloroethane	ug/L	50	37.7	75	49-151	
Chloroform	ug/L	50	38.0	76	72-122	
Chloromethane	ug/L	50	37.2	74	46-144	
cis-1,2-Dichloroethene	ug/L	50	40.0	80	72-121	
cis-1,3-Dichloropropene	ug/L	50	46.7	93	78-116	

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QUALITY CONTROL DATA

Project: COYNE TEXTILE FACILITY-4/17

Pace Project No.: 7048778

LABORATORY CONTROL SAMPLE: 295447

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Cyclohexane	ug/L	50	32.6	65	43-143	CL
Dibromochloromethane	ug/L	50	51.4	103	70-120	
Dichlorodifluoromethane	ug/L	50	27.6	55	22-154	CL
Ethylbenzene	ug/L	50	46.8	94	70-113	
Isopropylbenzene (Cumene)	ug/L	50	44.9	90	67-115	
Methyl acetate	ug/L	50	31.3	63	60-140	CL
Methyl-tert-butyl ether	ug/L	50	42.1	84	72-131	
Methylcyclohexane	ug/L	50	38.0	76	60-140	
Methylene Chloride	ug/L	50	38.2	76	61-142	
Styrene	ug/L	50	50.8	102	72-118	
Tetrachloroethene	ug/L	50	47.2	94	60-128	
Toluene	ug/L	50	41.0	82	72-119	
trans-1,2-Dichloroethene	ug/L	50	38.7	77	56-142	
trans-1,3-Dichloropropene	ug/L	50	44.7	89	79-116	
Trichloroethene	ug/L	50	40.1	80	69-117	
Trichlorofluoromethane	ug/L	50	37.2	74	27-173	
Vinyl chloride	ug/L	50	32.5	65	43-143	CL
Xylene (Total)	ug/L	150	143	95	71-109	
1,2-Dichloroethane-d4 (S)	%			87	68-153	
4-Bromofluorobenzene (S)	%			102	79-124	
Toluene-d8 (S)	%			106	69-124	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 295667 295668

Parameter	Units	7048944006		MS	MSD	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Qual
		Result	Conc.	Spike Conc.	Spike Conc.							
1,1,1-Trichloroethane	ug/L	<1.0	50	50	50	43.3	44.8	87	90	65-118	3	
1,1,2,2-Tetrachloroethane	ug/L	<1.0	50	50	50	44.7	44.3	89	89	74-121	1	
1,1,2-Trichloroethane	ug/L	<1.0	50	50	50	42.9	43.2	86	86	80-117	1	
1,1,2-Trichlorotrifluoroethane	ug/L	<1.0	50	50	50	42.3	42.0	85	84	60-140	1	
1,1-Dichloroethane	ug/L	<1.0	50	50	50	39.8	40.3	80	81	83-151	1	M0
1,1-Dichloroethene	ug/L	<1.0	50	50	50	42.7	43.8	85	88	45-146	2	
1,2,4-Trichlorobenzene	ug/L	<1.0	50	50	50	50.0	48.2	100	96	66-116	4	
1,2-Dibromo-3-chloropropane	ug/L	<1.0	50	50	50	40.6	38.7	81	77	74-119	5	
1,2-Dibromoethane (EDB)	ug/L	<1.0	50	50	50	46.3	47.1	93	94	83-115	2	
1,2-Dichlorobenzene	ug/L	<1.0	50	50	50	45.5	45.0	91	90	74-113	1	
1,2-Dichloroethane	ug/L	<1.0	50	50	50	39.1	39.4	78	79	74-129	1	
1,2-Dichloropropane	ug/L	<1.0	50	50	50	40.1	40.6	80	81	75-117	1	
1,3-Dichlorobenzene	ug/L	<1.0	50	50	50	46.0	46.1	92	92	71-112	0	
1,4-Dichlorobenzene	ug/L	<1.0	50	50	50	46.1	45.9	92	92	71-113	0	
2-Butanone (MEK)	ug/L	<5.0	50	50	50	37.3	36.6	75	73	44-162	2	
2-Hexanone	ug/L	<5.0	50	50	50	40.2	41.6	80	83	32-183	3	
4-Methyl-2-pentanone (MIBK)	ug/L	<5.0	50	50	50	38.7	39.5	77	79	69-132	2	
Acetone	ug/L	13.4	50	50	50	37.2	38.4	48	50	23-188	3	CL
Benzene	ug/L	<1.0	50	50	50	43.0	44.1	86	88	73-119	3	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: COYNE TEXTILE FACILITY-4/17

Pace Project No.: 7048778

Parameter	7048944006		MS		MSD		MS		MSD		% Rec	Limits	RPD	Qual
	Units	Result	Spike Conc.	Spike Conc.	Result	Result	% Rec	% Rec						
Bromodichloromethane	ug/L	<1.0	50	50	40.9	42.1	82	84	78-117	3				
Bromoform	ug/L	<1.0	50	50	34.7	34.5	69	69	65-122	1				
Bromomethane	ug/L	<1.0	50	50	24.0	29.3	48	59	52-147	20	M1			
Carbon disulfide	ug/L	<1.0	50	50	39.4	39.8	79	80	41-144	1				
Carbon tetrachloride	ug/L	<1.0	50	50	48.8	50.4	98	101	59-120	3				
Chlorobenzene	ug/L	<1.0	50	50	46.4	47.7	93	95	75-113	3				
Chloroethane	ug/L	<1.0	50	50	37.5	37.4	75	75	49-151	0				
Chloroform	ug/L	<1.0	50	50	41.2	41.4	82	83	72-122	0				
Chloromethane	ug/L	<1.0	50	50	30.0	27.7	60	55	46-144	8				
cis-1,2-Dichloroethene	ug/L	<1.0	50	50	43.0	42.8	86	86	72-121	1				
cis-1,3-Dichloropropene	ug/L	<1.0	50	50	44.4	45.4	89	91	78-116	2				
Cyclohexane	ug/L	<1.0	50	50	40.9	40.9	82	82	43-143	0	CL			
Dibromochloromethane	ug/L	<1.0	50	50	45.1	46.5	90	93	70-120	3				
Dichlorodifluoromethane	ug/L	<1.0	50	50	18.0	17.5	36	35	22-154	3	CL			
Ethylbenzene	ug/L	<1.0	50	50	47.5	48.7	95	97	70-113	2				
Isopropylbenzene (Cumene)	ug/L	<1.0	50	50	49.5	49.1	99	98	67-115	1				
Methyl acetate	ug/L	<1.0	50	50	32.1	31.7	64	63	60-140	1	CL			
Methyl-tert-butyl ether	ug/L	<1.0	50	50	42.3	42.0	85	84	72-131	1				
Methylcyclohexane	ug/L	<1.0	50	50	45.6	45.8	91	92	60-140	0				
Methylene Chloride	ug/L	<1.0	50	50	39.8	39.8	80	80	61-142	0				
Styrene	ug/L	<1.0	50	50	49.2	50.8	98	102	72-118	3				
Tetrachloroethene	ug/L	<1.0	50	50	48.0	49.4	96	99	60-128	3				
Toluene	ug/L	<1.0	50	50	43.5	44.1	87	88	72-119	1				
trans-1,2-Dichloroethene	ug/L	<1.0	50	50	41.5	42.2	83	84	56-142	2				
trans-1,3-Dichloropropene	ug/L	<1.0	50	50	40.7	41.5	81	83	79-116	2				
Trichloroethene	ug/L	<1.0	50	50	43.2	44.8	86	90	69-117	4				
Trichlorofluoromethane	ug/L	<1.0	50	50	40.7	41.1	81	82	27-173	1				
Vinyl chloride	ug/L	<1.0	50	50	31.5	31.4	63	63	43-143	0	CL			
Xylene (Total)	ug/L	<3.0	150	150	144	148	96	99	71-109	3				
1,2-Dichloroethane-d4 (S)	%						90	86	68-153					
4-Bromofluorobenzene (S)	%						101	103	79-124					
Toluene-d8 (S)	%						103	104	69-124					

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: COYNE TEXTILE FACILITY-4/17

Project No.: 7048778

QC Batch: 64113

Analysis Method: EPA 8082A

QC Batch Method: EPA 3510C

Analysis Description: 8082 GCS PCB

Associated Lab Samples: 7048778001

METHOD BLANK: 294370

Matrix: Water

Associated Lab Samples: 7048778001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
PCB-1016 (Aroclor 1016)	ug/L	<1.0	1.0	04/19/18 19:38	
PCB-1221 (Aroclor 1221)	ug/L	<2.0	2.0	04/19/18 19:38	
PCB-1232 (Aroclor 1232)	ug/L	<1.0	1.0	04/19/18 19:38	
PCB-1242 (Aroclor 1242)	ug/L	<1.0	1.0	04/19/18 19:38	
PCB-1248 (Aroclor 1248)	ug/L	<1.0	1.0	04/19/18 19:38	
PCB-1254 (Aroclor 1254)	ug/L	<1.0	1.0	04/19/18 19:38	
PCB-1260 (Aroclor 1260)	ug/L	<1.0	1.0	04/19/18 19:38	
Decachlorobiphenyl (S)	%	45	30-150	04/19/18 19:38	
Tetrachloro-m-xylene (S)	%	31	30-150	04/19/18 19:38	

LABORATORY CONTROL SAMPLE: 294371

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
PCB-1016 (Aroclor 1016)	ug/L	.5	0.59	119	42-134	
PCB-1260 (Aroclor 1260)	ug/L	.5	0.48	96	34-146	
Decachlorobiphenyl (S)	%			72	30-150	
Tetrachloro-m-xylene (S)	%			55	30-150	

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QUALITY CONTROL DATA

Project: COYNE TEXTILE FACILITY-4/17
Pace Project No.: 7048778

QC Batch: 64335 Analysis Method: EPA 8270D
QC Batch Method: EPA 3510C Analysis Description: 8270 Water MSSV
Associated Lab Samples: 7048778001

METHOD BLANK: 295294 Matrix: Water
Associated Lab Samples: 7048778001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
2,2'-Oxybis(1-chloropropane)	ug/L	<5.0	5.0	04/24/18 16:23	CL
2,4,5-Trichlorophenol	ug/L	<5.0	5.0	04/24/18 16:23	
2,4,6-Trichlorophenol	ug/L	<5.0	5.0	04/24/18 16:23	
2,4-Dichlorophenol	ug/L	<5.0	5.0	04/24/18 16:23	
2,4-Dimethylphenol	ug/L	<5.0	5.0	04/24/18 16:23	
2,4-Dinitrophenol	ug/L	<10.0	10.0	04/24/18 16:23	
2,4-Dinitrotoluene	ug/L	<5.0	5.0	04/24/18 16:23	
2,6-Dinitrotoluene	ug/L	<5.0	5.0	04/24/18 16:23	
2-Chloronaphthalene	ug/L	<5.0	5.0	04/24/18 16:23	
2-Chlorophenol	ug/L	<5.0	5.0	04/24/18 16:23	
2-Methylnaphthalene	ug/L	<5.0	5.0	04/24/18 16:23	
2-Methylphenol(o-Cresol)	ug/L	<5.0	5.0	04/24/18 16:23	
2-Nitroaniline	ug/L	<5.0	5.0	04/24/18 16:23	CL
2-Nitrophenol	ug/L	<5.0	5.0	04/24/18 16:23	
3&4-Methylphenol(m&p Cresol)	ug/L	<5.0	5.0	04/24/18 16:23	
3,3'-Dichlorobenzidine	ug/L	<5.0	5.0	04/24/18 16:23	
3-Nitroaniline	ug/L	<5.0	5.0	04/24/18 16:23	
4,6-Dinitro-2-methylphenol	ug/L	<10.0	10.0	04/24/18 16:23	
4-Bromophenylphenyl ether	ug/L	<5.0	5.0	04/24/18 16:23	
4-Chloro-3-methylphenol	ug/L	<5.0	5.0	04/24/18 16:23	
4-Chloroaniline	ug/L	<5.0	5.0	04/24/18 16:23	
4-Chlorophenylphenyl ether	ug/L	<5.0	5.0	04/24/18 16:23	
4-Nitroaniline	ug/L	<5.0	5.0	04/24/18 16:23	
4-Nitrophenol	ug/L	<10.0	10.0	04/24/18 16:23	
Acenaphthene	ug/L	<5.0	5.0	04/24/18 16:23	
Acenaphthylene	ug/L	<5.0	5.0	04/24/18 16:23	
Acetophenone	ug/L	<5.0	5.0	04/24/18 16:23	
Anthracene	ug/L	<5.0	5.0	04/24/18 16:23	
Atrazine	ug/L	<5.0	5.0	04/24/18 16:23	
Benzaldehyde	ug/L	<5.0	5.0	04/24/18 16:23	CL
Benzo(a)anthracene	ug/L	<5.0	5.0	04/24/18 16:23	
Benzo(a)pyrene	ug/L	<5.0	5.0	04/24/18 16:23	
Benzo(b)fluoranthene	ug/L	<5.0	5.0	04/24/18 16:23	
Benzo(g,h,i)perylene	ug/L	<5.0	5.0	04/24/18 16:23	
Benzo(k)fluoranthene	ug/L	<5.0	5.0	04/24/18 16:23	
Biphenyl (Diphenyl)	ug/L	<5.0	5.0	04/24/18 16:23	
bis(2-Chloroethoxy)methane	ug/L	<5.0	5.0	04/24/18 16:23	
bis(2-Chloroethyl) ether	ug/L	<5.0	5.0	04/24/18 16:23	CL
bis(2-Ethylhexyl)phthalate	ug/L	<5.0	5.0	04/24/18 16:23	
Butylbenzylphthalate	ug/L	<5.0	5.0	04/24/18 16:23	
Caprolactam	ug/L	<5.0	5.0	04/24/18 16:23	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: COYNE TEXTILE FACILITY-4/17

Pace Project No.: 7048778

METHOD BLANK: 295294

Matrix: Water

Associated Lab Samples: 7048778001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Carbazole	ug/L	<5.0	5.0	04/24/18 16:23	
Chrysene	ug/L	<5.0	5.0	04/24/18 16:23	
Di-n-butylphthalate	ug/L	<5.0	5.0	04/24/18 16:23	
Di-n-octylphthalate	ug/L	<5.0	5.0	04/24/18 16:23	
Dibenz(a,h)anthracene	ug/L	<5.0	5.0	04/24/18 16:23	
Dibenzofuran	ug/L	<5.0	5.0	04/24/18 16:23	
Diethylphthalate	ug/L	<5.0	5.0	04/24/18 16:23	
Dimethylphthalate	ug/L	<5.0	5.0	04/24/18 16:23	
Fluoranthene	ug/L	<5.0	5.0	04/24/18 16:23	
Fluorene	ug/L	<5.0	5.0	04/24/18 16:23	
Hexachloro-1,3-butadiene	ug/L	<5.0	5.0	04/24/18 16:23	
Hexachlorobenzene	ug/L	<5.0	5.0	04/24/18 16:23	
Hexachlorocyclopentadiene	ug/L	<5.0	5.0	04/24/18 16:23	CL
Hexachloroethane	ug/L	<5.0	5.0	04/24/18 16:23	
Indeno(1,2,3-cd)pyrene	ug/L	<5.0	5.0	04/24/18 16:23	
Isophorone	ug/L	<5.0	5.0	04/24/18 16:23	
N-Nitroso-di-n-propylamine	ug/L	<5.0	5.0	04/24/18 16:23	CL
N-Nitrosodiphenylamine	ug/L	<5.0	5.0	04/24/18 16:23	
Naphthalene	ug/L	<5.0	5.0	04/24/18 16:23	
Nitrobenzene	ug/L	<5.0	5.0	04/24/18 16:23	
Pentachlorophenol	ug/L	<10.0	10.0	04/24/18 16:23	
Phenanthrene	ug/L	<5.0	5.0	04/24/18 16:23	
Phenol	ug/L	<5.0	5.0	04/24/18 16:23	
Pyrene	ug/L	<5.0	5.0	04/24/18 16:23	
1,2-Dichlorobenzene-d4 (S)	%	47	16-110	04/24/18 16:23	
2,4,6-Tribromophenol (S)	%	67	10-123	04/24/18 16:23	
2-Chlorophenol-d4 (S)	%	55	33-110	04/24/18 16:23	
2-Fluorobiphenyl (S)	%	55	43-116	04/24/18 16:23	
2-Fluorophenol (S)	%	38	21-110	04/24/18 16:23	
Nitrobenzene-d5 (S)	%	53	35-114	04/24/18 16:23	
p-Terphenyl-d14 (S)	%	67	33-141	04/24/18 16:23	
Phenol-d5 (S)	%	25	10-110	04/24/18 16:23	

LABORATORY CONTROL SAMPLE: 295295

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
2,2'-Oxybis(1-chloropropane)	ug/L	50	19.0	38	44-100	CL,L2
2,4,5-Trichlorophenol	ug/L	50	36.8	74	55-125	
2,4,6-Trichlorophenol	ug/L	50	35.3	71	55-114	
2,4-Dichlorophenol	ug/L	50	31.7	63	44-127	
2,4-Dimethylphenol	ug/L	50	14.0	28	39-135	L2
2,4-Dinitrophenol	ug/L	50	23.8	48	11-101	
2,4-Dinitrotoluene	ug/L	50	40.0	80	55-122	
2,6-Dinitrotoluene	ug/L	50	34.8	70	56-121	

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QUALITY CONTROL DATA

Project: COYNE TEXTILE FACILITY-4/17

Pace Project No.: 7048778

LABORATORY CONTROL SAMPLE: 295295

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
2-Chloronaphthalene	ug/L	50	31.7	63	41-122	
2-Chlorophenol	ug/L	50	28.2	56	43-106	
2-Methylnaphthalene	ug/L	50	29.2	58	31-123	
2-Methylphenol(o-Cresol)	ug/L	50	24.6	49	41-131	
2-Nitroaniline	ug/L	50	34.9	70	48-124	CL
2-Nitrophenol	ug/L	50	30.2	60	41-128	
3&4-Methylphenol(m&p Cresol)	ug/L	50	23.1	46	15-141	
3,3'-Dichlorobenzidine	ug/L	50	29.2	58	20-132	
3-Nitroaniline	ug/L	50	34.7	69	46-112	
4,6-Dinitro-2-methylphenol	ug/L	50	33.9	68	28-150	
4-Bromophenylphenyl ether	ug/L	50	34.7	69	53-121	
4-Chloro-3-methylphenol	ug/L	50	37.4	75	48-124	
4-Chloroaniline	ug/L	50	29.4	59	25-133	
4-Chlorophenylphenyl ether	ug/L	50	36.6	73	53-116	
4-Nitroaniline	ug/L	50	33.5	67	51-113	
4-Nitrophenol	ug/L	50	15.8	32	10-102	
Acenaphthene	ug/L	50	32.9	66	50-116	
Acenaphthylene	ug/L	50	31.7	63	50-109	
Acetophenone	ug/L	50	32.4	65	42-97	
Anthracene	ug/L	50	34.7	69	54-117	
Atrazine	ug/L	50	<5.0	0	50-150	L2
Benzaldehyde	ug/L	50	44.9	90	50-150	CL
Benzo(a)anthracene	ug/L	50	36.3	73	31-128	
Benzo(a)pyrene	ug/L	50	38.3	77	30-146	
Benzo(b)fluoranthene	ug/L	50	39.4	79	43-147	
Benzo(g,h,i)perylene	ug/L	50	43.7	87	25-153	
Benzo(k)fluoranthene	ug/L	50	39.5	79	28-148	
Biphenyl (Diphenyl)	ug/L	50	31.9	64	43-116	
bis(2-Chloroethoxy)methane	ug/L	50	27.7	55	47-102	
bis(2-Chloroethyl) ether	ug/L	50	22.6	45	39-111	CL
bis(2-Ethylhexyl)phthalate	ug/L	50	31.7	63	37-138	
Butylbenzylphthalate	ug/L	50	32.0	64	38-135	
Caprolactam	ug/L	50	11.8	24	10-93	
Carbazole	ug/L	50	35.8	72	69-127	
Chrysene	ug/L	50	37.1	74	42-140	
Di-n-butylphthalate	ug/L	50	40.5	81	50-128	
Di-n-octylphthalate	ug/L	50	34.8	70	32-148	
Dibenz(a,h)anthracene	ug/L	50	39.5	79	22-147	
Dibenzofuran	ug/L	50	33.8	68	53-117	
Diethylphthalate	ug/L	50	40.5	81	54-124	
Dimethylphthalate	ug/L	50	36.4	73	56-121	
Fluoranthene	ug/L	50	37.0	74	50-123	
Fluorene	ug/L	50	35.2	70	51-118	
Hexachloro-1,3-butadiene	ug/L	50	31.2	62	18-90	
Hexachlorobenzene	ug/L	50	37.0	74	52-128	
Hexachlorocyclopentadiene	ug/L	50	17.6	35	13-119	CL
Hexachloroethane	ug/L	50	29.1	58	41-119	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: COYNE TEXTILE FACILITY-4/17

Pace Project No.: 7048778

LABORATORY CONTROL SAMPLE: 295295

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Indeno(1,2,3-cd)pyrene	ug/L	50	42.5	85	26-156	
Isophorone	ug/L	50	30.9	62	46-118	
N-Nitroso-di-n-propylamine	ug/L	50	29.7	59	40-124	CL
N-Nitrosodiphenylamine	ug/L	50	33.2	66	41-95	
Naphthalene	ug/L	50	29.4	59	39-107	
Nitrobenzene	ug/L	50	28.0	56	41-122	
Pentachlorophenol	ug/L	50	34.8	70	12-124	CH
Phenanthrene	ug/L	50	35.7	71	52-126	
Phenol	ug/L	50	15.3	31	10-99	
Pyrene	ug/L	50	34.8	70	41-137	
1,2-Dichlorobenzene-d4 (S)	%			47	16-110	
2,4,6-Tribromophenol (S)	%			84	10-123	
2-Chlorophenol-d4 (S)	%			54	33-110	
2-Fluorobiphenyl (S)	%			58	43-116	
2-Fluorophenol (S)	%			35	21-110	
Nitrobenzene-d5 (S)	%			53	35-114	
p-Terphenyl-d14 (S)	%			69	33-141	
Phenol-d5 (S)	%			23	10-110	

MATRIX SPIKE SAMPLE: 295394

Parameter	Units	7048576003 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
2,2'-Oxybis(1-chloropropane)	ug/L	<5.0	50	18.6	37	44-100	CL,M0
2,4,5-Trichlorophenol	ug/L	<5.0	50	46.7	93	55-125	
2,4,6-Trichlorophenol	ug/L	<5.0	50	43.5	87	55-114	
2,4-Dichlorophenol	ug/L	<5.0	50	40.1	80	44-127	
2,4-Dimethylphenol	ug/L	<5.0	50	19.9	40	39-135	
2,4-Dinitrophenol	ug/L	<10.0	50	27.3	55	11-101	
2,4-Dinitrotoluene	ug/L	<5.0	50	47.2	94	55-122	
2,6-Dinitrotoluene	ug/L	<5.0	50	44.4	89	56-121	
2-Chloronaphthalene	ug/L	<5.0	50	37.6	75	41-122	
2-Chlorophenol	ug/L	<5.0	50	32.4	65	43-106	
2-Methylnaphthalene	ug/L	<5.0	50	37.4	75	31-123	
2-Methylphenol(o-Cresol)	ug/L	<5.0	50	28.1	56	41-131	
2-Nitroaniline	ug/L	<5.0	50	30.6	61	48-124	CL
2-Nitrophenol	ug/L	<5.0	50	36.0	72	41-128	
3&4-Methylphenol(m&p Cresol)	ug/L	<5.0	50	26.9	54	15-141	
3,3'-Dichlorobenzidine	ug/L	<5.0	50	35.7	71	20-132	
3-Nitroaniline	ug/L	<5.0	50	42.8	86	46-112	
4,6-Dinitro-2-methylphenol	ug/L	<10.0	50	43.8	88	28-150	
4-Bromophenylphenyl ether	ug/L	<5.0	50	47.1	94	53-121	
4-Chloro-3-methylphenol	ug/L	<5.0	50	43.0	86	48-124	
4-Chloroaniline	ug/L	<5.0	50	36.6	73	25-133	
4-Chlorophenylphenyl ether	ug/L	<5.0	50	47.3	95	53-116	
4-Nitroaniline	ug/L	<5.0	50	42.6	85	51-113	

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QUALITY CONTROL DATA

Project: COYNE TEXTILE FACILITY-4/17

Pace Project No.: 7048778

MATRIX SPIKE SAMPLE:		295394						
Parameter	Units	7048576003 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers	
4-Nitrophenol	ug/L	<10.0	50	15.4	31	10-102		
Acenaphthene	ug/L	<5.0	50	39.3	79	50-116		
Acenaphthylene	ug/L	<5.0	50	38.7	77	50-109		
Acetophenone	ug/L	<5.0	50	34.4	69	42-97		
Anthracene	ug/L	<5.0	50	43.6	87	54-117		
Atrazine	ug/L	<5.0	50	<5.0	0	50-150	M0	
Benzaldehyde	ug/L	<5.0	50	<5.0	0	50-150	CL,M1	
Benzo(a)anthracene	ug/L	<5.0	50	44.3	89	31-128		
Benzo(a)pyrene	ug/L	<5.0	50	45.0	90	30-146		
Benzo(b)fluoranthene	ug/L	<5.0	50	45.9	92	43-147		
Benzo(g,h,i)perylene	ug/L	<5.0	50	51.4	103	25-153		
Benzo(k)fluoranthene	ug/L	<5.0	50	42.7	85	28-148		
Biphenyl (Diphenyl)	ug/L	<5.0	50	38.2	76	43-116		
bis(2-Chloroethoxy)methane	ug/L	<5.0	50	29.9	60	47-102		
bis(2-Chloroethyl) ether	ug/L	<5.0	50	23.8	48	39-111	CL	
bis(2-Ethylhexyl)phthalate	ug/L	<5.0	50	38.1	76	37-138		
Butylbenzylphthalate	ug/L	<5.0	50	37.5	75	38-135		
Caprolactam	ug/L	<5.0	50	13.8	28	10-93		
Carbazole	ug/L	<5.0	50	44.1	88	69-127		
Chrysene	ug/L	<5.0	50	44.1	88	42-140		
Di-n-butylphthalate	ug/L	<5.0	50	48.0	96	50-128		
Di-n-octylphthalate	ug/L	<5.0	50	38.4	77	32-148		
Dibenz(a,h)anthracene	ug/L	<5.0	50	47.3	95	22-147		
Dibenzofuran	ug/L	<5.0	50	42.7	85	53-117		
Diethylphthalate	ug/L	<5.0	50	46.6	93	54-124		
Dimethylphthalate	ug/L	<5.0	50	45.7	91	56-121		
Fluoranthene	ug/L	<5.0	50	46.0	92	50-123		
Fluorene	ug/L	<5.0	50	43.4	87	51-118		
Hexachloro-1,3-butadiene	ug/L	<5.0	50	38.5	77	18-90		
Hexachlorobenzene	ug/L	<5.0	50	50.8	102	52-128		
Hexachlorocyclopentadiene	ug/L	<5.0	50	22.3	45	13-119	CL	
Hexachloroethane	ug/L	<5.0	50	28.8	58	41-119		
Indeno(1,2,3-cd)pyrene	ug/L	<5.0	50	54.5	109	26-156		
Isophorone	ug/L	<5.0	50	34.0	68	46-118		
N-Nitroso-di-n-propylamine	ug/L	<5.0	50	29.1	58	40-124	CL	
N-Nitrosodiphenylamine	ug/L	<5.0	50	41.8	84	41-95		
Naphthalene	ug/L	<5.0	50	36.0	72	39-107		
Nitrobenzene	ug/L	<5.0	50	28.8	58	41-122		
Pentachlorophenol	ug/L	<10.0	50	55.7	111	12-124	CH	
Phenanthrene	ug/L	<5.0	50	44.2	88	52-126		
Phenol	ug/L	<5.0	50	15.9	32	10-99		
Pyrene	ug/L	<5.0	50	41.8	84	41-137		
1,2-Dichlorobenzene-d4 (S)	%				57	16-110		
2,4,6-Tribromophenol (S)	%				121	10-123	E	
2-Chlorophenol-d4 (S)	%				63	33-110		
2-Fluorobiphenyl (S)	%				71	43-116		
2-Fluorophenol (S)	%				39	21-110		

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: COYNE TEXTILE FACILITY-4/17

Pace Project No.: 7048778

MATRIX SPIKE SAMPLE: 295394		7048576003	Spike	MS	MS	% Rec	
Parameter	Units	Result	Conc.	Result	% Rec	Limits	Qualifiers
Nitrobenzene-d5 (S)	%				55	35-114	
p-Terphenyl-d14 (S)	%				74	33-141	
Phenol-d5 (S)	%				25	10-110	

SAMPLE DUPLICATE: 295395

Parameter	Units	7048576004	Dup	RPD	Qualifiers
		Result	Result		
2,2'-Oxybis(1-chloropropane)	ug/L	<5.0	<5.0		CL
2,4,5-Trichlorophenol	ug/L	<5.0	<5.0		
2,4,6-Trichlorophenol	ug/L	<5.0	<5.0		
2,4-Dichlorophenol	ug/L	<5.0	<5.0		
2,4-Dimethylphenol	ug/L	<5.0	<5.0		
2,4-Dinitrophenol	ug/L	<10.0	<10.0		
2,4-Dinitrotoluene	ug/L	<5.0	<5.0		
2,6-Dinitrotoluene	ug/L	<5.0	<5.0		
2-Chloronaphthalene	ug/L	<5.0	<5.0		
2-Chlorophenol	ug/L	<5.0	<5.0		
2-Methylnaphthalene	ug/L	<5.0	<5.0		
2-Methylphenol(o-Cresol)	ug/L	<5.0	<5.0		
2-Nitroaniline	ug/L	<5.0	<5.0		CL
2-Nitrophenol	ug/L	<5.0	<5.0		
3&4-Methylphenol(m&p Cresol)	ug/L	<5.0	<5.0		
3,3'-Dichlorobenzidine	ug/L	<5.0	<5.0		
3-Nitroaniline	ug/L	<5.0	<5.0		
4,6-Dinitro-2-methylphenol	ug/L	<10.0	<10.0		
4-Bromophenylphenyl ether	ug/L	<5.0	<5.0		
4-Chloro-3-methylphenol	ug/L	<5.0	<5.0		
4-Chloroaniline	ug/L	<5.0	<5.0		
4-Chlorophenylphenyl ether	ug/L	<5.0	<5.0		
4-Nitroaniline	ug/L	<5.0	<5.0		
4-Nitrophenol	ug/L	<10.0	<10.0		
Acenaphthene	ug/L	<5.0	<5.0		
Acenaphthylene	ug/L	<5.0	<5.0		
Acetophenone	ug/L	<5.0	<5.0		
Anthracene	ug/L	<5.0	<5.0		
Atrazine	ug/L	<5.0	<5.0		
Benzaldehyde	ug/L	<5.0	<5.0		CL
Benzo(a)anthracene	ug/L	<5.0	<5.0		
Benzo(a)pyrene	ug/L	<5.0	<5.0		
Benzo(b)fluoranthene	ug/L	<5.0	<5.0		
Benzo(g,h,i)perylene	ug/L	<5.0	<5.0		
Benzo(k)fluoranthene	ug/L	<5.0	<5.0		
Biphenyl (Diphenyl)	ug/L	<5.0	<5.0		
bis(2-Chloroethoxy)methane	ug/L	<5.0	<5.0		
bis(2-Chloroethyl) ether	ug/L	<5.0	<5.0		CL

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QUALITY CONTROL DATA

Project: COYNE TEXTILE FACILITY-4/17

Pace Project No.: 7048778

SAMPLE DUPLICATE: 295395

Parameter	Units	7048576004 Result	Dup Result	RPD	Qualifiers
bis(2-Ethylhexyl)phthalate	ug/L	11.0	9.8	12	
Butylbenzylphthalate	ug/L	<5.0	<5.0		
Caprolactam	ug/L	<5.0	<5.0		
Carbazole	ug/L	<5.0	<5.0		
Chrysene	ug/L	<5.0	<5.0		
Di-n-butylphthalate	ug/L	<5.0	<5.0		
Di-n-octylphthalate	ug/L	<5.0	<5.0		
Dibenz(a,h)anthracene	ug/L	<5.0	<5.0		
Dibenzofuran	ug/L	<5.0	<5.0		
Diethylphthalate	ug/L	<5.0	<5.0		
Dimethylphthalate	ug/L	<5.0	<5.0		
Fluoranthene	ug/L	<5.0	<5.0		
Fluorene	ug/L	<5.0	<5.0		
Hexachloro-1,3-butadiene	ug/L	<5.0	<5.0		
Hexachlorobenzene	ug/L	<5.0	<5.0		
Hexachlorocyclopentadiene	ug/L	<5.0	<5.0		CL
Hexachloroethane	ug/L	<5.0	<5.0		
Indeno(1,2,3-cd)pyrene	ug/L	<5.0	<5.0		
Isophorone	ug/L	<5.0	<5.0		
N-Nitroso-di-n-propylamine	ug/L	<5.0	<5.0		CL
N-Nitrosodiphenylamine	ug/L	<5.0	<5.0		
Naphthalene	ug/L	<5.0	<5.0		
Nitrobenzene	ug/L	<5.0	<5.0		
Pentachlorophenol	ug/L	<10.0	<10.0		
Phenanthrene	ug/L	<5.0	<5.0		
Phenol	ug/L	<5.0	<5.0		
Pyrene	ug/L	<5.0	<5.0		
1,2-Dichlorobenzene-d4 (S)	%	55	50	10	
2,4,6-Tribromophenol (S)	%	117	115	2	E
2-Chlorophenol-d4 (S)	%	59	55	7	
2-Fluorobiphenyl (S)	%	75	71	4	
2-Fluorophenol (S)	%	38	35	8	
Nitrobenzene-d5 (S)	%	55	50	9	
p-Terphenyl-d14 (S)	%	73	78	7	
Phenol-d5 (S)	%	25	23	8	

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REPORT OF LABORATORY ANALYSIS

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QUALIFIERS

Project: COYNE TEXTILE FACILITY-4/17
Pace Project No.: 7048778

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.
ND - Not Detected at or above adjusted reporting limit.
TNTC - Too Numerous To Count
J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.
MDL - Adjusted Method Detection Limit.
PQL - Practical Quantitation Limit.
RL - Reporting Limit.
S - Surrogate
1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.
Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.
LCS(D) - Laboratory Control Sample (Duplicate)
MS(D) - Matrix Spike (Duplicate)
DUP - Sample Duplicate
RPD - Relative Percent Difference
NC - Not Calculable.
SG - Silica Gel - Clean-Up
U - Indicates the compound was analyzed for, but not detected.
N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.
Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.
TNI - The NELAC Institute.

ANALYTE QUALIFIERS

CH The continuing calibration for this compound is outside of Pace Analytical acceptance limits. The results may be biased high.
CL The continuing calibration for this compound is outside of Pace Analytical acceptance limits. The results may be biased low.
E Analyte concentration exceeded the calibration range. The reported result is estimated.
L2 Analyte recovery in the laboratory control sample (LCS) was below QC limits. Results for this analyte in associated samples may be biased low.
M0 Matrix spike recovery and/or matrix spike duplicate recovery was outside laboratory control limits.
M1 Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: COYNE TEXTILE FACILITY-4/17

Pace Project No.: 7048778

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
7048778001	GW-102	EPA 3510C	64113	EPA 8082A	64133
7048778001	GW-102	EPA 200.7	64189	EPA 200.7	64200
7048778001	GW-102	EPA 7470A	64193	EPA 7470A	64205
7048778001	GW-102	EPA 3510C	64335	EPA 8270D	64448
7048778001	GW-102	EPA 8260C/5030C	64369		

REPORT OF LABORATORY ANALYSIS

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WO#: 7048778



7048778

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Section C
Invoice Information:

Report To: *Ken Kehmann@cha.companies.com*
 Copy To: *Smiller@cha.companies.com*
 Address: *300 S. State St. Suite 600 Syracuse, NY 13202*
 Email To: *Kehmann@cha.companies*
 Phone: *315-257-7250* Fax:
 Requested Due Date/TAT: *5 day*
 Project Name: *Coyle Textile Facility*
 Project Number: *35525.1000.46000*
 Pace Profile #:
 Attention:
 Company Name: **REGULATORY AGENCY**
 Address:
 Pace Quote Reference:
 Pace Project Manager:
 Site Location STATE: *NY*
 NPDES GROUND WATER DRINKING WATER
 UST RCRA OTHER
 Page: **2203568** of

ITEM #	Section D Required Client Information	Matrix Codes MATRIX I CODE	MATRIX CODE (see valid codes to left)	COLLECTED		SAMPLE TYPE (G=GRAB C=COMP)	# OF CONTAINERS	Preservatives	Requested Analysis Filtered (Y/N)	Pace Project No./ Lab I.D.
				COMPOSITE START	COMPOSITE END/GRAB					
1	SAMPLE ID (A-Z, 0-9 / -) Sample IDs MUST BE UNIQUE	Drinking Water Water Waste Water Product Soil/Solid Oil Wipe Air Tissue Other	WT G	DATE: 4/17/18 TIME: 8:15	DATE: 4/17/18 TIME: 8:15	WT G	6 X	Analysis Test ↑ TCL VOL 8260 X TCL SUD 8270 X TAL Metals X RBS X	001	
2										
3										
4										
5										
6										
7										
8										
9										
10										
11										
12										

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
	<i>Smiller@cha.com</i>	4/17/2018	9:08	<i>Ken Kehmann</i>	4/17/18	9:10	
	<i>Ken Kehmann</i>	4/17/18	17:00	<i>Ken Kehmann</i>	4/17/18	10:40	Y
							Y
							Y

SAMPLER NAME AND SIGNATURE
 PRINT Name of SAMPLER: *Samantha Miller*
 SIGNATURE of SAMPLER: *Samantha Miller*
 DATE Signed (MM/DD/YY): 4/17/2018
 Received on Ice (Y/N)
 Sealed Cooler (Y/N)
 Samples Intact (Y/N)



Client Name: CHA

Project

WO#: 7048778

PM: JM2 Due Date: 04/25/18

CLIENT: CHA

Courier: Fed Ex UPS USPS Client Commercial Pace Other

Tracking #: 772020317942
 Custody Seal on Cooler/Box Present: Yes No Seals intact: Yes No

Packing Material: Bubble Wrap Bubble Bags Ziploc None Other

Thermometer Used: TH091

Correction Factor: 0

Cooler Temperature (°C): 4.3

Cooler Temperature Corrected (°C): 4.3

Temperature Blank Present: Yes No

Type of Ice: Wet Blue None

Samples on ice, cooling process has begun

Date/Time 5035A kits placed in freezer _____

Temp should be above freezing to 6.0°C

USDA Regulated Soil (N/A, water sample)

Date and Initials of person examining contents: 4/18

Did samples originate in a quarantine zone within the United States: AL, AR, CA, FL, GA, ID, LA, MS, NC, NM, NY, OK, OR, SC, TN, TX, or VA (check map)? YES NO

Did samples originate from a foreign source (internationally, including Hawaii and Puerto Rico)? Yes No

If Yes to either question, fill out a Regulated Soil Checklist (F-LI-C-010) and include with SCUR/COC paperwork.

			COMMENTS:	
Chain of Custody Present:	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	1.	
Chain of Custody Filled Out:	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	2.	
Chain of Custody Relinquished:	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	3.	
Sampler Name & Signature on COC:	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> N/A	4.
Samples Arrived within Hold Time:	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	5.	
Short Hold Time Analysis (<72hr):	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	6.	
Rush Turn Around Time Requested:	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	7.	
Sufficient Volume: (Triple volume provided for MS/MSD):	<input type="checkbox"/> Yes	<input type="checkbox"/> No	8.	
Correct Containers Used:	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	9.	
-Pace Containers Used:	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No		
Containers Intact:	<input type="checkbox"/> Yes	<input type="checkbox"/> No	10.	
Filtered volume received for Dissolved tests	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input checked="" type="checkbox"/> N/A	11. Note if sediment is visible in the dissolved container.
Sample Labels match COC:	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	12.	
-Includes date/time/ID/Analysis Matrix SL W/ OIL				
All containers needing preservation have been checked	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> N/A	13. <input type="checkbox"/> HNO ₃ <input type="checkbox"/> H ₂ SO ₄ <input type="checkbox"/> NaOH <input type="checkbox"/> HCl
pH paper Lot # <u>HC727135</u>				Sample #
All containers needing preservation are found to be in compliance with EPA recommendation? (HNO ₃ , H ₂ SO ₄ , HCl, NaOH>9 Sulfide, NaOH>12 Cyanide) Exceptions: VOA, Coliform, TOC/DOC, Oil and Grease, DRO/8015 (water). Per Method, VOA pH is checked after analysis	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> N/A	Initial when completed: _____ Lot # of added preservative: _____ Date/Time preservative added: _____
Samples checked for dechlorination:	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input checked="" type="checkbox"/> N/A	14. Positive for Res. Chlorine? Y N
KI starch test strips Lot #				
Residual chlorine strips Lot #				
Headspace in VOA Vials (>6mm):	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	<input type="checkbox"/> N/A	15.
Trip Blank Present:	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input checked="" type="checkbox"/> N/A	16.
Trip Blank Custody Seals Present	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input checked="" type="checkbox"/> N/A	
Pace Trip Blank Lot # (if applicable): _____				

Field Data Required? Y / N

Date/Time: _____

Client Notification/ Resolution: _____

Person Contacted: _____

Comments/ Resolution: _____

* PM (Project Manager) review is documented electronically in LIMS.

May 01, 2018

Samantha Miller
CHA Companies
300 South Stae Street
Syracuse, NY 13202

RE: Project: FORMER COYNE TEXTILE
Pace Project No.: 7048944

Dear Samantha Miller:

Enclosed are the analytical results for sample(s) received by the laboratory on April 19, 2018. The results relate only to the samples included in this report. Results reported herein conform to the most current, applicable TNI/NELAC standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,



James Murphy
james.murphy@pacelabs.com
(518)346-4592
Project Manager

Enclosures

cc: Karyn Ehmann, CHA Companies



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: FORMER COYNE TEXTILE

Pace Project No.: 7048944

Long Island Certification IDs

575 Broad Hollow Rd, Melville, NY 11747

New York Certification #: 10478 Primary Accrediting Body

New Jersey Certification #: NY158

Pennsylvania Certification #: 68-00350

Connecticut Certification #: PH-0435

Maryland Certification #: 208

Rhode Island Certification #: LAO00340

Massachusetts Certification #: M-NY026

New Hampshire Certification #: 2987

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: FORMER COYNE TEXTILE

Pace Project No.: 7048944

Method: EPA 8082A

Description: 8082 GCS PCB

Client: CHA Companies

Date: May 01, 2018

General Information:

6 samples were analyzed for EPA 8082A. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:

The samples were prepared in accordance with EPA 3510C with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):

All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:

All criteria were within method requirements with any exceptions noted below.

Surrogates:

All surrogates were within QC limits with any exceptions noted below.

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Additional Comments:

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: FORMER COYNE TEXTILE

Pace Project No.: 7048944

Method: EPA 200.7

Description: 200.7 Metals, Total

Client: CHA Companies

Date: May 01, 2018

General Information:

6 samples were analyzed for EPA 200.7. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:

The samples were prepared in accordance with EPA 200.7 with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):

All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:

All criteria were within method requirements with any exceptions noted below.

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

QC Batch: 64388

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 7048906001,7048906003

M1: Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

- MS (Lab ID: 295536)
 - Aluminum
 - Iron
 - Silver
- MS (Lab ID: 295538)
 - Aluminum
 - Iron
 - Silver

QC Batch: 64389

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 7048944006

M1: Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

- MS (Lab ID: 295542)
 - Aluminum
 - Calcium
 - Iron

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: FORMER COYNE TEXTILE

Pace Project No.: 7048944

Method: EPA 200.7

Description: 200.7 Metals, Total

Client: CHA Companies

Date: May 01, 2018

Duplicate Sample:

All duplicate sample results were within method acceptance criteria with any exceptions noted below.

QC Batch: 64388

D6: The precision between the sample and sample duplicate exceeded laboratory control limits.

- DUP (Lab ID: 295537)
 - Aluminum
 - Iron

Additional Comments:

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: FORMER COYNE TEXTILE

Pace Project No.: 7048944

Method: EPA 7470A

Description: 7470 Mercury

Client: CHA Companies

Date: May 01, 2018

General Information:

6 samples were analyzed for EPA 7470A. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:

The samples were prepared in accordance with EPA 7470A with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):

All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:

All criteria were within method requirements with any exceptions noted below.

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Duplicate Sample:

All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

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PROJECT NARRATIVE

Project: FORMER COYNE TEXTILE

Pace Project No.: 7048944

Method: EPA 8270D

Description: 8270 MSSV

Client: CHA Companies

Date: May 01, 2018

General Information:

6 samples were analyzed for EPA 8270D. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:

The samples were prepared in accordance with EPA 3510C with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):

All criteria were within method requirements with any exceptions noted below.

QC Batch: 64546

IC: The initial calibration for this compound was outside of method control limits. The result is estimated.

- BLANK (Lab ID: 296237)
 - Atrazine
 - Benzaldehyde
- DUP (Lab ID: 296459)
 - Atrazine
 - Benzaldehyde
- GW DUP100 (Lab ID: 7048944004)
 - Atrazine
 - Benzaldehyde
- GW MW1 (Lab ID: 7048944001)
 - Atrazine
 - Benzaldehyde
- GW MW2 (Lab ID: 7048944002)
 - Atrazine
 - Benzaldehyde
- GW MW3 (Lab ID: 7048944003)
 - Atrazine
 - Benzaldehyde
- GW- 100 (Lab ID: 7048944006)
 - Atrazine
 - Benzaldehyde
- GW- 101D (Lab ID: 7048944005)
 - Atrazine
 - Benzaldehyde
- LCS (Lab ID: 296238)
 - Atrazine
 - Benzaldehyde
- MS (Lab ID: 296458)
 - Atrazine
 - Benzaldehyde

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PROJECT NARRATIVE

Project: FORMER COYNE TEXTILE

Pace Project No.: 7048944

Method: EPA 8270D

Description: 8270 MSSV

Client: CHA Companies

Date: May 01, 2018

QC Batch: 64546

IH: This analyte exceeded secondary source verification criteria high for the initial calibration. The reported results should be considered an estimated value.

- LCS (Lab ID: 296238)
 - 4,6-Dinitro-2-methylphenol
- MS (Lab ID: 296458)
 - 4,6-Dinitro-2-methylphenol

IL: This analyte exceeded secondary source verification criteria low for the initial calibration. The reported results should be considered an estimated value.

- BLANK (Lab ID: 296237)
 - Benzaldehyde
- DUP (Lab ID: 296459)
 - Benzaldehyde
- GW DUP100 (Lab ID: 7048944004)
 - Benzaldehyde
- GW MW1 (Lab ID: 7048944001)
 - Benzaldehyde
- GW MW2 (Lab ID: 7048944002)
 - Benzaldehyde
- GW MW3 (Lab ID: 7048944003)
 - Benzaldehyde
- GW- 100 (Lab ID: 7048944006)
 - Benzaldehyde
- GW- 101D (Lab ID: 7048944005)
 - Benzaldehyde
- LCS (Lab ID: 296238)
 - Benzaldehyde
- MS (Lab ID: 296458)
 - Benzaldehyde

Continuing Calibration:

All criteria were within method requirements with any exceptions noted below.

Internal Standards:

All internal standards were within QC limits with any exceptions noted below.

Surrogates:

All surrogates were within QC limits with any exceptions noted below.

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

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PROJECT NARRATIVE

Project: FORMER COYNE TEXTILE

Pace Project No.: 7048944

Method: EPA 8270D

Description: 8270 MSSV

Client: CHA Companies

Date: May 01, 2018

QC Batch: 64546

L2: Analyte recovery in the laboratory control sample (LCS) was below QC limits. Results for this analyte in associated samples may be biased low.

- LCS (Lab ID: 296238)
- 2,4-Dimethylphenol

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

QC Batch: 64546

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 7049051002

M0: Matrix spike recovery and/or matrix spike duplicate recovery was outside laboratory control limits.

- MS (Lab ID: 296458)
- 2,4-Dimethylphenol

M1: Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

- MS (Lab ID: 296458)
- 4-Chloroaniline

Duplicate Sample:

All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

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PROJECT NARRATIVE

Project: FORMER COYNE TEXTILE
Pace Project No.: 7048944

Method: EPA 8260C/5030C
Description: 8260C Volatile Organics
Client: CHA Companies
Date: May 01, 2018

General Information:

6 samples were analyzed for EPA 8260C/5030C. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):

All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:

All criteria were within method requirements with any exceptions noted below.

QC Batch: 64369

CL: The continuing calibration for this compound is outside of Pace Analytical acceptance limits. The results may be biased low.

- BLANK (Lab ID: 295446)
 - Acetone
 - Cyclohexane
 - Dichlorodifluoromethane
 - Methyl acetate
 - Vinyl chloride
- GW DUP100 (Lab ID: 7048944004)
 - Acetone
 - Cyclohexane
 - Dichlorodifluoromethane
 - Methyl acetate
 - Vinyl chloride
- GW MW1 (Lab ID: 7048944001)
 - Acetone
 - Cyclohexane
 - Dichlorodifluoromethane
 - Methyl acetate
 - Vinyl chloride
- GW MW2 (Lab ID: 7048944002)
 - Acetone
 - Cyclohexane
 - Dichlorodifluoromethane
 - Methyl acetate
 - Vinyl chloride
- GW MW3 (Lab ID: 7048944003)
 - Acetone
 - Cyclohexane
 - Dichlorodifluoromethane
 - Methyl acetate
 - Vinyl chloride

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PROJECT NARRATIVE

Project: FORMER COYNE TEXTILE

Pace Project No.: 7048944

Method: EPA 8260C/5030C

Description: 8260C Volatile Organics

Client: CHA Companies

Date: May 01, 2018

QC Batch: 64369

CL: The continuing calibration for this compound is outside of Pace Analytical acceptance limits. The results may be biased low.

- GW- 100 (Lab ID: 7048944006)
 - Acetone
 - Cyclohexane
 - Dichlorodifluoromethane
 - Methyl acetate
 - Vinyl chloride
- GW- 101D (Lab ID: 7048944005)
 - Acetone
 - Cyclohexane
 - Dichlorodifluoromethane
 - Methyl acetate
 - Vinyl chloride
- LCS (Lab ID: 295447)
 - Acetone
 - Cyclohexane
 - Dichlorodifluoromethane
 - Methyl acetate
 - Vinyl chloride
- MS (Lab ID: 295667)
 - Acetone
 - Cyclohexane
 - Dichlorodifluoromethane
 - Methyl acetate
 - Vinyl chloride
- MSD (Lab ID: 295668)
 - Acetone
 - Cyclohexane
 - Dichlorodifluoromethane
 - Methyl acetate
 - Vinyl chloride

Internal Standards:

All internal standards were within QC limits with any exceptions noted below.

Surrogates:

All surrogates were within QC limits with any exceptions noted below.

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

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PROJECT NARRATIVE

Project: FORMER COYNE TEXTILE

Pace Project No.: 7048944

Method: EPA 8260C/5030C

Description: 8260C Volatile Organics

Client: CHA Companies

Date: May 01, 2018

QC Batch: 64369

L2: Analyte recovery in the laboratory control sample (LCS) was below QC limits. Results for this analyte in associated samples may be biased low.

- LCS (Lab ID: 295447)
 - 1,1-Dichloroethane

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

QC Batch: 64369

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 7048944006

M0: Matrix spike recovery and/or matrix spike duplicate recovery was outside laboratory control limits.

- MS (Lab ID: 295667)
 - 1,1-Dichloroethane
- MSD (Lab ID: 295668)
 - 1,1-Dichloroethane

M1: Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

- MS (Lab ID: 295667)
 - Bromomethane

Additional Comments:

This data package has been reviewed for quality and completeness and is approved for release.

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: FORMER COYNE TEXTILE

Pace Project No.: 7048944

Sample: GW MW1	Lab ID: 7048944001	Collected: 04/18/18 14:40	Received: 04/19/18 09:40	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8082 GCS PCB								
Analytical Method: EPA 8082A Preparation Method: EPA 3510C								
PCB-1016 (Aroclor 1016)	<1.0	ug/L	1.0	1	04/21/18 04:04	04/23/18 19:09	12674-11-2	
PCB-1221 (Aroclor 1221)	<2.0	ug/L	2.0	1	04/21/18 04:04	04/23/18 19:09	11104-28-2	
PCB-1232 (Aroclor 1232)	<1.0	ug/L	1.0	1	04/21/18 04:04	04/23/18 19:09	11141-16-5	
PCB-1242 (Aroclor 1242)	<1.0	ug/L	1.0	1	04/21/18 04:04	04/23/18 19:09	53469-21-9	
PCB-1248 (Aroclor 1248)	<1.0	ug/L	1.0	1	04/21/18 04:04	04/23/18 19:09	12672-29-6	
PCB-1254 (Aroclor 1254)	<1.0	ug/L	1.0	1	04/21/18 04:04	04/23/18 19:09	11097-69-1	
PCB-1260 (Aroclor 1260)	<1.0	ug/L	1.0	1	04/21/18 04:04	04/23/18 19:09	11096-82-5	
Surrogates								
Tetrachloro-m-xylene (S)	59	%	30-150	1	04/21/18 04:04	04/23/18 19:09	877-09-8	
Decachlorobiphenyl (S)	62	%	30-150	1	04/21/18 04:04	04/23/18 19:09	2051-24-3	
200.7 Metals, Total								
Analytical Method: EPA 200.7 Preparation Method: EPA 200.7								
Aluminum	<200	ug/L	200	1	04/20/18 10:03	04/22/18 13:35	7429-90-5	
Antimony	<60.0	ug/L	60.0	1	04/20/18 10:03	04/22/18 13:35	7440-36-0	
Arsenic	<10.0	ug/L	10.0	1	04/20/18 10:03	04/22/18 13:35	7440-38-2	
Barium	366	ug/L	200	1	04/20/18 10:03	04/22/18 13:35	7440-39-3	
Beryllium	<5.0	ug/L	5.0	1	04/20/18 10:03	04/22/18 13:35	7440-41-7	
Cadmium	<2.5	ug/L	2.5	1	04/20/18 10:03	04/22/18 13:35	7440-43-9	
Calcium	172000	ug/L	1000	1	04/20/18 10:03	04/22/18 13:35	7440-70-2	
Chromium	<10.0	ug/L	10.0	1	04/20/18 10:03	04/22/18 13:35	7440-47-3	
Cobalt	<50.0	ug/L	50.0	1	04/20/18 10:03	04/22/18 13:35	7440-48-4	
Copper	<25.0	ug/L	25.0	1	04/20/18 10:03	04/22/18 13:35	7440-50-8	
Iron	5620	ug/L	20.0	1	04/20/18 10:03	04/22/18 13:35	7439-89-6	
Lead	<5.0	ug/L	5.0	1	04/20/18 10:03	04/22/18 13:35	7439-92-1	
Magnesium	248000	ug/L	1000	1	04/20/18 10:03	04/22/18 13:35	7439-95-4	
Manganese	1780	ug/L	10.0	1	04/20/18 10:03	04/22/18 13:35	7439-96-5	
Nickel	<40.0	ug/L	40.0	1	04/20/18 10:03	04/22/18 13:35	7440-02-0	
Potassium	26000	ug/L	5000	1	04/20/18 10:03	04/22/18 13:35	7440-09-7	
Selenium	<10.0	ug/L	10.0	1	04/20/18 10:03	04/22/18 13:35	7782-49-2	
Silver	<10.0	ug/L	10.0	1	04/20/18 10:03	04/22/18 13:35	7440-22-4	
Sodium	486000	ug/L	5000	1	04/20/18 10:03	04/22/18 13:35	7440-23-5	
Thallium	<10.0	ug/L	10.0	1	04/20/18 10:03	04/22/18 13:35	7440-28-0	
Vanadium	<50.0	ug/L	50.0	1	04/20/18 10:03	04/22/18 13:35	7440-62-2	
Zinc	<20.0	ug/L	20.0	1	04/20/18 10:03	04/22/18 13:35	7440-66-6	
7470 Mercury								
Analytical Method: EPA 7470A Preparation Method: EPA 7470A								
Mercury	<0.20	ug/L	0.20	1	04/20/18 12:03	04/25/18 12:46	7439-97-6	
8270 MSSV								
Analytical Method: EPA 8270D Preparation Method: EPA 3510C								
Acenaphthene	<5.0	ug/L	5.0	1	04/23/18 12:08	04/27/18 17:26	83-32-9	
Acenaphthylene	<5.0	ug/L	5.0	1	04/23/18 12:08	04/27/18 17:26	208-96-8	
Acetophenone	<5.0	ug/L	5.0	1	04/23/18 12:08	04/27/18 17:26	98-86-2	
Anthracene	<5.0	ug/L	5.0	1	04/23/18 12:08	04/27/18 17:26	120-12-7	
Atrazine	<5.0	ug/L	5.0	1	04/23/18 12:08	04/27/18 17:26	1912-24-9	IC
Benzaldehyde	<5.0	ug/L	5.0	1	04/23/18 12:08	04/27/18 17:26	100-52-7	IC,IL
Benzo(a)anthracene	<5.0	ug/L	5.0	1	04/23/18 12:08	04/27/18 17:26	56-55-3	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: FORMER COYNE TEXTILE

Pace Project No.: 7048944

Sample: GW MW1	Lab ID: 7048944001	Collected: 04/18/18 14:40	Received: 04/19/18 09:40	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV								
Analytical Method: EPA 8270D Preparation Method: EPA 3510C								
Benzo(a)pyrene	<5.0	ug/L	5.0	1	04/23/18 12:08	04/27/18 17:26	50-32-8	
Benzo(b)fluoranthene	<5.0	ug/L	5.0	1	04/23/18 12:08	04/27/18 17:26	205-99-2	
Benzo(g,h,i)perylene	<5.0	ug/L	5.0	1	04/23/18 12:08	04/27/18 17:26	191-24-2	
Benzo(k)fluoranthene	<5.0	ug/L	5.0	1	04/23/18 12:08	04/27/18 17:26	207-08-9	
Biphenyl (Diphenyl)	<5.0	ug/L	5.0	1	04/23/18 12:08	04/27/18 17:26	92-52-4	
4-Bromophenylphenyl ether	<5.0	ug/L	5.0	1	04/23/18 12:08	04/27/18 17:26	101-55-3	
Butylbenzylphthalate	<5.0	ug/L	5.0	1	04/23/18 12:08	04/27/18 17:26	85-68-7	
Caprolactam	<5.0	ug/L	5.0	1	04/23/18 12:08	04/27/18 17:26	105-60-2	
Carbazole	<5.0	ug/L	5.0	1	04/23/18 12:08	04/27/18 17:26	86-74-8	
4-Chloro-3-methylphenol	<5.0	ug/L	5.0	1	04/23/18 12:08	04/27/18 17:26	59-50-7	
4-Chloroaniline	<5.0	ug/L	5.0	1	04/23/18 12:08	04/27/18 17:26	106-47-8	
bis(2-Chloroethoxy)methane	<5.0	ug/L	5.0	1	04/23/18 12:08	04/27/18 17:26	111-91-1	
bis(2-Chloroethyl) ether	<5.0	ug/L	5.0	1	04/23/18 12:08	04/27/18 17:26	111-44-4	
2-Chloronaphthalene	<5.0	ug/L	5.0	1	04/23/18 12:08	04/27/18 17:26	91-58-7	
2-Chlorophenol	<5.0	ug/L	5.0	1	04/23/18 12:08	04/27/18 17:26	95-57-8	
4-Chlorophenylphenyl ether	<5.0	ug/L	5.0	1	04/23/18 12:08	04/27/18 17:26	7005-72-3	
Chrysene	<5.0	ug/L	5.0	1	04/23/18 12:08	04/27/18 17:26	218-01-9	
Dibenz(a,h)anthracene	<5.0	ug/L	5.0	1	04/23/18 12:08	04/27/18 17:26	53-70-3	
Dibenzofuran	<5.0	ug/L	5.0	1	04/23/18 12:08	04/27/18 17:26	132-64-9	
3,3'-Dichlorobenzidine	<5.0	ug/L	5.0	1	04/23/18 12:08	04/27/18 17:26	91-94-1	
2,4-Dichlorophenol	<5.0	ug/L	5.0	1	04/23/18 12:08	04/27/18 17:26	120-83-2	
Diethylphthalate	<5.0	ug/L	5.0	1	04/23/18 12:08	04/27/18 17:26	84-66-2	
2,4-Dimethylphenol	<5.0	ug/L	5.0	1	04/23/18 12:08	04/27/18 17:26	105-67-9	L2
Dimethylphthalate	<5.0	ug/L	5.0	1	04/23/18 12:08	04/27/18 17:26	131-11-3	
Di-n-butylphthalate	<5.0	ug/L	5.0	1	04/23/18 12:08	04/27/18 17:26	84-74-2	
4,6-Dinitro-2-methylphenol	<10.0	ug/L	10.0	1	04/23/18 12:08	04/27/18 17:26	534-52-1	
2,4-Dinitrophenol	<10.0	ug/L	10.0	1	04/23/18 12:08	04/27/18 17:26	51-28-5	
2,4-Dinitrotoluene	<5.0	ug/L	5.0	1	04/23/18 12:08	04/27/18 17:26	121-14-2	
2,6-Dinitrotoluene	<5.0	ug/L	5.0	1	04/23/18 12:08	04/27/18 17:26	606-20-2	
Di-n-octylphthalate	<5.0	ug/L	5.0	1	04/23/18 12:08	04/27/18 17:26	117-84-0	
bis(2-Ethylhexyl)phthalate	<5.0	ug/L	5.0	1	04/23/18 12:08	04/27/18 17:26	117-81-7	
Fluoranthene	<5.0	ug/L	5.0	1	04/23/18 12:08	04/27/18 17:26	206-44-0	
Fluorene	<5.0	ug/L	5.0	1	04/23/18 12:08	04/27/18 17:26	86-73-7	
Hexachloro-1,3-butadiene	<5.0	ug/L	5.0	1	04/23/18 12:08	04/27/18 17:26	87-68-3	
Hexachlorobenzene	<5.0	ug/L	5.0	1	04/23/18 12:08	04/27/18 17:26	118-74-1	
Hexachlorocyclopentadiene	<5.0	ug/L	5.0	1	04/23/18 12:08	04/27/18 17:26	77-47-4	
Hexachloroethane	<5.0	ug/L	5.0	1	04/23/18 12:08	04/27/18 17:26	67-72-1	
Indeno(1,2,3-cd)pyrene	<5.0	ug/L	5.0	1	04/23/18 12:08	04/27/18 17:26	193-39-5	
Isophorone	<5.0	ug/L	5.0	1	04/23/18 12:08	04/27/18 17:26	78-59-1	
2-Methylnaphthalene	<5.0	ug/L	5.0	1	04/23/18 12:08	04/27/18 17:26	91-57-6	
2-Methylphenol(o-Cresol)	<5.0	ug/L	5.0	1	04/23/18 12:08	04/27/18 17:26	95-48-7	
3&4-Methylphenol(m&p Cresol)	<5.0	ug/L	5.0	1	04/23/18 12:08	04/27/18 17:26		
Naphthalene	<5.0	ug/L	5.0	1	04/23/18 12:08	04/27/18 17:26	91-20-3	
2-Nitroaniline	<5.0	ug/L	5.0	1	04/23/18 12:08	04/27/18 17:26	88-74-4	
3-Nitroaniline	<5.0	ug/L	5.0	1	04/23/18 12:08	04/27/18 17:26	99-09-2	
4-Nitroaniline	<5.0	ug/L	5.0	1	04/23/18 12:08	04/27/18 17:26	100-01-6	
Nitrobenzene	<5.0	ug/L	5.0	1	04/23/18 12:08	04/27/18 17:26	98-95-3	

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ANALYTICAL RESULTS

Project: FORMER COYNE TEXTILE

Pace Project No.: 7048944

Sample: GW MW1	Lab ID: 7048944001	Collected: 04/18/18 14:40	Received: 04/19/18 09:40	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV		Analytical Method: EPA 8270D Preparation Method: EPA 3510C						
2-Nitrophenol	<5.0	ug/L	5.0	1	04/23/18 12:08	04/27/18 17:26	88-75-5	
4-Nitrophenol	<10.0	ug/L	10.0	1	04/23/18 12:08	04/27/18 17:26	100-02-7	
N-Nitroso-di-n-propylamine	<5.0	ug/L	5.0	1	04/23/18 12:08	04/27/18 17:26	621-64-7	
N-Nitrosodiphenylamine	<5.0	ug/L	5.0	1	04/23/18 12:08	04/27/18 17:26	86-30-6	
2,2'-Oxybis(1-chloropropane)	<5.0	ug/L	5.0	1	04/23/18 12:08	04/27/18 17:26	108-60-1	
Pentachlorophenol	<10.0	ug/L	10.0	1	04/23/18 12:08	04/27/18 17:26	87-86-5	
Phenanthrene	<5.0	ug/L	5.0	1	04/23/18 12:08	04/27/18 17:26	85-01-8	
Phenol	<5.0	ug/L	5.0	1	04/23/18 12:08	04/27/18 17:26	108-95-2	
Pyrene	<5.0	ug/L	5.0	1	04/23/18 12:08	04/27/18 17:26	129-00-0	
2,4,5-Trichlorophenol	<5.0	ug/L	5.0	1	04/23/18 12:08	04/27/18 17:26	95-95-4	
2,4,6-Trichlorophenol	<5.0	ug/L	5.0	1	04/23/18 12:08	04/27/18 17:26	88-06-2	
Surrogates								
Nitrobenzene-d5 (S)	52	%	35-114	1	04/23/18 12:08	04/27/18 17:26	4165-60-0	
2-Fluorobiphenyl (S)	52	%	43-116	1	04/23/18 12:08	04/27/18 17:26	321-60-8	
p-Terphenyl-d14 (S)	60	%	33-141	1	04/23/18 12:08	04/27/18 17:26	1718-51-0	
Phenol-d5 (S)	27	%	10-110	1	04/23/18 12:08	04/27/18 17:26	4165-62-2	
2-Fluorophenol (S)	31	%	21-110	1	04/23/18 12:08	04/27/18 17:26	367-12-4	
2,4,6-Tribromophenol (S)	62	%	10-123	1	04/23/18 12:08	04/27/18 17:26	118-79-6	
2-Chlorophenol-d4 (S)	46	%	33-110	1	04/23/18 12:08	04/27/18 17:26	93951-73-6	
1,2-Dichlorobenzene-d4 (S)	43	%	16-110	1	04/23/18 12:08	04/27/18 17:26	2199-69-1	
8260C Volatile Organics		Analytical Method: EPA 8260C/5030C						
1,1,1-Trichloroethane	<1.0	ug/L	1.0	1		04/20/18 18:39	71-55-6	
1,1,2,2-Tetrachloroethane	<1.0	ug/L	1.0	1		04/20/18 18:39	79-34-5	
1,1,2-Trichloroethane	<1.0	ug/L	1.0	1		04/20/18 18:39	79-00-5	
1,1,2-Trichlorotrifluoroethane	<1.0	ug/L	1.0	1		04/20/18 18:39	76-13-1	
1,1-Dichloroethane	<1.0	ug/L	1.0	1		04/20/18 18:39	75-34-3	L2
1,1-Dichloroethene	<1.0	ug/L	1.0	1		04/20/18 18:39	75-35-4	
1,2,4-Trichlorobenzene	<1.0	ug/L	1.0	1		04/20/18 18:39	120-82-1	
1,2-Dibromo-3-chloropropane	<1.0	ug/L	1.0	1		04/20/18 18:39	96-12-8	
1,2-Dibromoethane (EDB)	<1.0	ug/L	1.0	1		04/20/18 18:39	106-93-4	
1,2-Dichlorobenzene	<1.0	ug/L	1.0	1		04/20/18 18:39	95-50-1	
1,2-Dichloroethane	<1.0	ug/L	1.0	1		04/20/18 18:39	107-06-2	
1,2-Dichloropropane	<1.0	ug/L	1.0	1		04/20/18 18:39	78-87-5	
1,3-Dichlorobenzene	<1.0	ug/L	1.0	1		04/20/18 18:39	541-73-1	
1,4-Dichlorobenzene	<1.0	ug/L	1.0	1		04/20/18 18:39	106-46-7	
2-Butanone (MEK)	<5.0	ug/L	5.0	1		04/20/18 18:39	78-93-3	
2-Hexanone	<5.0	ug/L	5.0	1		04/20/18 18:39	591-78-6	
4-Methyl-2-pentanone (MIBK)	<5.0	ug/L	5.0	1		04/20/18 18:39	108-10-1	
Acetone	<5.0	ug/L	5.0	1		04/20/18 18:39	67-64-1	CL
Benzene	<1.0	ug/L	1.0	1		04/20/18 18:39	71-43-2	
Bromodichloromethane	<1.0	ug/L	1.0	1		04/20/18 18:39	75-27-4	
Bromoform	<1.0	ug/L	1.0	1		04/20/18 18:39	75-25-2	
Bromomethane	<1.0	ug/L	1.0	1		04/20/18 18:39	74-83-9	
Carbon disulfide	<1.0	ug/L	1.0	1		04/20/18 18:39	75-15-0	
Carbon tetrachloride	<1.0	ug/L	1.0	1		04/20/18 18:39	56-23-5	
Chlorobenzene	<1.0	ug/L	1.0	1		04/20/18 18:39	108-90-7	

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ANALYTICAL RESULTS

Project: FORMER COYNE TEXTILE

Pace Project No.: 7048944

Sample: GW MW1	Lab ID: 7048944001	Collected: 04/18/18 14:40	Received: 04/19/18 09:40	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260C Volatile Organics		Analytical Method: EPA 8260C/5030C						
Chloroethane	<1.0	ug/L	1.0	1		04/20/18 18:39	75-00-3	
Chloroform	<1.0	ug/L	1.0	1		04/20/18 18:39	67-66-3	
Chloromethane	<1.0	ug/L	1.0	1		04/20/18 18:39	74-87-3	
Cyclohexane	<1.0	ug/L	1.0	1		04/20/18 18:39	110-82-7	CL
Dibromochloromethane	<1.0	ug/L	1.0	1		04/20/18 18:39	124-48-1	
Dichlorodifluoromethane	<1.0	ug/L	1.0	1		04/20/18 18:39	75-71-8	CL
Ethylbenzene	<1.0	ug/L	1.0	1		04/20/18 18:39	100-41-4	
Isopropylbenzene (Cumene)	<1.0	ug/L	1.0	1		04/20/18 18:39	98-82-8	
Methyl acetate	<1.0	ug/L	1.0	1		04/20/18 18:39	79-20-9	CL
Methyl-tert-butyl ether	1.4	ug/L	1.0	1		04/20/18 18:39	1634-04-4	
Methylcyclohexane	<1.0	ug/L	1.0	1		04/20/18 18:39	108-87-2	
Methylene Chloride	<1.0	ug/L	1.0	1		04/20/18 18:39	75-09-2	
Styrene	<1.0	ug/L	1.0	1		04/20/18 18:39	100-42-5	
Tetrachloroethene	<1.0	ug/L	1.0	1		04/20/18 18:39	127-18-4	
Toluene	<1.0	ug/L	1.0	1		04/20/18 18:39	108-88-3	
Trichloroethene	<1.0	ug/L	1.0	1		04/20/18 18:39	79-01-6	
Trichlorofluoromethane	<1.0	ug/L	1.0	1		04/20/18 18:39	75-69-4	
Vinyl chloride	<1.0	ug/L	1.0	1		04/20/18 18:39	75-01-4	CL
Xylene (Total)	<3.0	ug/L	3.0	1		04/20/18 18:39	1330-20-7	
cis-1,2-Dichloroethene	<1.0	ug/L	1.0	1		04/20/18 18:39	156-59-2	
cis-1,3-Dichloropropene	<1.0	ug/L	1.0	1		04/20/18 18:39	10061-01-5	
trans-1,2-Dichloroethene	<1.0	ug/L	1.0	1		04/20/18 18:39	156-60-5	
trans-1,3-Dichloropropene	<1.0	ug/L	1.0	1		04/20/18 18:39	10061-02-6	
Surrogates								
1,2-Dichloroethane-d4 (S)	90	%	68-153	1		04/20/18 18:39	17060-07-0	
4-Bromofluorobenzene (S)	101	%	79-124	1		04/20/18 18:39	460-00-4	
Toluene-d8 (S)	103	%	69-124	1		04/20/18 18:39	2037-26-5	

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ANALYTICAL RESULTS

Project: FORMER COYNE TEXTILE

Pace Project No.: 7048944

Sample: GW MW2	Lab ID: 7048944002	Collected: 04/18/18 13:40	Received: 04/19/18 09:40	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8082 GCS PCB								
Analytical Method: EPA 8082A Preparation Method: EPA 3510C								
PCB-1016 (Aroclor 1016)	<1.0	ug/L	1.0	1	04/21/18 04:04	04/23/18 19:22	12674-11-2	
PCB-1221 (Aroclor 1221)	<2.0	ug/L	2.0	1	04/21/18 04:04	04/23/18 19:22	11104-28-2	
PCB-1232 (Aroclor 1232)	<1.0	ug/L	1.0	1	04/21/18 04:04	04/23/18 19:22	11141-16-5	
PCB-1242 (Aroclor 1242)	<1.0	ug/L	1.0	1	04/21/18 04:04	04/23/18 19:22	53469-21-9	
PCB-1248 (Aroclor 1248)	<1.0	ug/L	1.0	1	04/21/18 04:04	04/23/18 19:22	12672-29-6	
PCB-1254 (Aroclor 1254)	<1.0	ug/L	1.0	1	04/21/18 04:04	04/23/18 19:22	11097-69-1	
PCB-1260 (Aroclor 1260)	<1.0	ug/L	1.0	1	04/21/18 04:04	04/23/18 19:22	11096-82-5	
Surrogates								
Tetrachloro-m-xylene (S)	83	%	30-150	1	04/21/18 04:04	04/23/18 19:22	877-09-8	
Decachlorobiphenyl (S)	75	%	30-150	1	04/21/18 04:04	04/23/18 19:22	2051-24-3	
200.7 Metals, Total								
Analytical Method: EPA 200.7 Preparation Method: EPA 200.7								
Aluminum	247	ug/L	200	1	04/20/18 10:03	04/22/18 13:40	7429-90-5	
Antimony	<60.0	ug/L	60.0	1	04/20/18 10:03	04/22/18 13:40	7440-36-0	
Arsenic	<10.0	ug/L	10.0	1	04/20/18 10:03	04/22/18 13:40	7440-38-2	
Barium	<200	ug/L	200	1	04/20/18 10:03	04/22/18 13:40	7440-39-3	
Beryllium	<5.0	ug/L	5.0	1	04/20/18 10:03	04/22/18 13:40	7440-41-7	
Cadmium	<2.5	ug/L	2.5	1	04/20/18 10:03	04/22/18 13:40	7440-43-9	
Calcium	90600	ug/L	1000	1	04/20/18 10:03	04/22/18 13:40	7440-70-2	
Chromium	<10.0	ug/L	10.0	1	04/20/18 10:03	04/22/18 13:40	7440-47-3	
Cobalt	<50.0	ug/L	50.0	1	04/20/18 10:03	04/22/18 13:40	7440-48-4	
Copper	<25.0	ug/L	25.0	1	04/20/18 10:03	04/22/18 13:40	7440-50-8	
Iron	841	ug/L	20.0	1	04/20/18 10:03	04/22/18 13:40	7439-89-6	
Lead	25.6	ug/L	5.0	1	04/20/18 10:03	04/22/18 13:40	7439-92-1	
Magnesium	132000	ug/L	1000	1	04/20/18 10:03	04/22/18 13:40	7439-95-4	
Manganese	240	ug/L	10.0	1	04/20/18 10:03	04/22/18 13:40	7439-96-5	
Nickel	<40.0	ug/L	40.0	1	04/20/18 10:03	04/22/18 13:40	7440-02-0	
Potassium	8020	ug/L	5000	1	04/20/18 10:03	04/22/18 13:40	7440-09-7	
Selenium	<10.0	ug/L	10.0	1	04/20/18 10:03	04/22/18 13:40	7782-49-2	
Silver	<10.0	ug/L	10.0	1	04/20/18 10:03	04/22/18 13:40	7440-22-4	
Sodium	706000	ug/L	5000	1	04/20/18 10:03	04/22/18 13:40	7440-23-5	
Thallium	<10.0	ug/L	10.0	1	04/20/18 10:03	04/22/18 13:40	7440-28-0	
Vanadium	<50.0	ug/L	50.0	1	04/20/18 10:03	04/22/18 13:40	7440-62-2	
Zinc	<20.0	ug/L	20.0	1	04/20/18 10:03	04/22/18 13:40	7440-66-6	
7470 Mercury								
Analytical Method: EPA 7470A Preparation Method: EPA 7470A								
Mercury	0.58	ug/L	0.20	1	04/20/18 12:03	04/25/18 12:48	7439-97-6	
8270 MSSV								
Analytical Method: EPA 8270D Preparation Method: EPA 3510C								
Acenaphthene	<5.0	ug/L	5.0	1	04/23/18 12:08	04/27/18 17:55	83-32-9	
Acenaphthylene	<5.0	ug/L	5.0	1	04/23/18 12:08	04/27/18 17:55	208-96-8	
Acetophenone	<5.0	ug/L	5.0	1	04/23/18 12:08	04/27/18 17:55	98-86-2	
Anthracene	<5.0	ug/L	5.0	1	04/23/18 12:08	04/27/18 17:55	120-12-7	
Atrazine	<5.0	ug/L	5.0	1	04/23/18 12:08	04/27/18 17:55	1912-24-9	IC
Benzaldehyde	<5.0	ug/L	5.0	1	04/23/18 12:08	04/27/18 17:55	100-52-7	IC,IL
Benzo(a)anthracene	<5.0	ug/L	5.0	1	04/23/18 12:08	04/27/18 17:55	56-55-3	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: FORMER COYNE TEXTILE

Pace Project No.: 7048944

Sample: GW MW2	Lab ID: 7048944002	Collected: 04/18/18 13:40	Received: 04/19/18 09:40	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV		Analytical Method: EPA 8270D Preparation Method: EPA 3510C						
Benzo(a)pyrene	<5.0	ug/L	5.0	1	04/23/18 12:08	04/27/18 17:55	50-32-8	
Benzo(b)fluoranthene	<5.0	ug/L	5.0	1	04/23/18 12:08	04/27/18 17:55	205-99-2	
Benzo(g,h,i)perylene	<5.0	ug/L	5.0	1	04/23/18 12:08	04/27/18 17:55	191-24-2	
Benzo(k)fluoranthene	<5.0	ug/L	5.0	1	04/23/18 12:08	04/27/18 17:55	207-08-9	
Biphenyl (Diphenyl)	<5.0	ug/L	5.0	1	04/23/18 12:08	04/27/18 17:55	92-52-4	
4-Bromophenylphenyl ether	<5.0	ug/L	5.0	1	04/23/18 12:08	04/27/18 17:55	101-55-3	
Butylbenzylphthalate	<5.0	ug/L	5.0	1	04/23/18 12:08	04/27/18 17:55	85-68-7	
Caprolactam	<5.0	ug/L	5.0	1	04/23/18 12:08	04/27/18 17:55	105-60-2	
Carbazole	<5.0	ug/L	5.0	1	04/23/18 12:08	04/27/18 17:55	86-74-8	
4-Chloro-3-methylphenol	<5.0	ug/L	5.0	1	04/23/18 12:08	04/27/18 17:55	59-50-7	
4-Chloroaniline	<5.0	ug/L	5.0	1	04/23/18 12:08	04/27/18 17:55	106-47-8	
bis(2-Chloroethoxy)methane	<5.0	ug/L	5.0	1	04/23/18 12:08	04/27/18 17:55	111-91-1	
bis(2-Chloroethyl) ether	<5.0	ug/L	5.0	1	04/23/18 12:08	04/27/18 17:55	111-44-4	
2-Chloronaphthalene	<5.0	ug/L	5.0	1	04/23/18 12:08	04/27/18 17:55	91-58-7	
2-Chlorophenol	<5.0	ug/L	5.0	1	04/23/18 12:08	04/27/18 17:55	95-57-8	
4-Chlorophenylphenyl ether	<5.0	ug/L	5.0	1	04/23/18 12:08	04/27/18 17:55	7005-72-3	
Chrysene	<5.0	ug/L	5.0	1	04/23/18 12:08	04/27/18 17:55	218-01-9	
Dibenz(a,h)anthracene	<5.0	ug/L	5.0	1	04/23/18 12:08	04/27/18 17:55	53-70-3	
Dibenzofuran	<5.0	ug/L	5.0	1	04/23/18 12:08	04/27/18 17:55	132-64-9	
3,3'-Dichlorobenzidine	<5.0	ug/L	5.0	1	04/23/18 12:08	04/27/18 17:55	91-94-1	
2,4-Dichlorophenol	<5.0	ug/L	5.0	1	04/23/18 12:08	04/27/18 17:55	120-83-2	
Diethylphthalate	<5.0	ug/L	5.0	1	04/23/18 12:08	04/27/18 17:55	84-66-2	
2,4-Dimethylphenol	<5.0	ug/L	5.0	1	04/23/18 12:08	04/27/18 17:55	105-67-9	L2
Dimethylphthalate	<5.0	ug/L	5.0	1	04/23/18 12:08	04/27/18 17:55	131-11-3	
Di-n-butylphthalate	<5.0	ug/L	5.0	1	04/23/18 12:08	04/27/18 17:55	84-74-2	
4,6-Dinitro-2-methylphenol	<10.0	ug/L	10.0	1	04/23/18 12:08	04/27/18 17:55	534-52-1	
2,4-Dinitrophenol	<10.0	ug/L	10.0	1	04/23/18 12:08	04/27/18 17:55	51-28-5	
2,4-Dinitrotoluene	<5.0	ug/L	5.0	1	04/23/18 12:08	04/27/18 17:55	121-14-2	
2,6-Dinitrotoluene	<5.0	ug/L	5.0	1	04/23/18 12:08	04/27/18 17:55	606-20-2	
Di-n-octylphthalate	<5.0	ug/L	5.0	1	04/23/18 12:08	04/27/18 17:55	117-84-0	
bis(2-Ethylhexyl)phthalate	<5.0	ug/L	5.0	1	04/23/18 12:08	04/27/18 17:55	117-81-7	
Fluoranthene	<5.0	ug/L	5.0	1	04/23/18 12:08	04/27/18 17:55	206-44-0	
Fluorene	<5.0	ug/L	5.0	1	04/23/18 12:08	04/27/18 17:55	86-73-7	
Hexachloro-1,3-butadiene	<5.0	ug/L	5.0	1	04/23/18 12:08	04/27/18 17:55	87-68-3	
Hexachlorobenzene	<5.0	ug/L	5.0	1	04/23/18 12:08	04/27/18 17:55	118-74-1	
Hexachlorocyclopentadiene	<5.0	ug/L	5.0	1	04/23/18 12:08	04/27/18 17:55	77-47-4	
Hexachloroethane	<5.0	ug/L	5.0	1	04/23/18 12:08	04/27/18 17:55	67-72-1	
Indeno(1,2,3-cd)pyrene	<5.0	ug/L	5.0	1	04/23/18 12:08	04/27/18 17:55	193-39-5	
Isophorone	<5.0	ug/L	5.0	1	04/23/18 12:08	04/27/18 17:55	78-59-1	
2-Methylnaphthalene	<5.0	ug/L	5.0	1	04/23/18 12:08	04/27/18 17:55	91-57-6	
2-Methylphenol(o-Cresol)	<5.0	ug/L	5.0	1	04/23/18 12:08	04/27/18 17:55	95-48-7	
3&4-Methylphenol(m&p Cresol)	<5.0	ug/L	5.0	1	04/23/18 12:08	04/27/18 17:55		
Naphthalene	<5.0	ug/L	5.0	1	04/23/18 12:08	04/27/18 17:55	91-20-3	
2-Nitroaniline	<5.0	ug/L	5.0	1	04/23/18 12:08	04/27/18 17:55	88-74-4	
3-Nitroaniline	<5.0	ug/L	5.0	1	04/23/18 12:08	04/27/18 17:55	99-09-2	
4-Nitroaniline	<5.0	ug/L	5.0	1	04/23/18 12:08	04/27/18 17:55	100-01-6	
Nitrobenzene	<5.0	ug/L	5.0	1	04/23/18 12:08	04/27/18 17:55	98-95-3	

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ANALYTICAL RESULTS

Project: FORMER COYNE TEXTILE

Pace Project No.: 7048944

Sample: GW MW2	Lab ID: 7048944002	Collected: 04/18/18 13:40	Received: 04/19/18 09:40	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV								
Analytical Method: EPA 8270D Preparation Method: EPA 3510C								
2-Nitrophenol	<5.0	ug/L	5.0	1	04/23/18 12:08	04/27/18 17:55	88-75-5	
4-Nitrophenol	<10.0	ug/L	10.0	1	04/23/18 12:08	04/27/18 17:55	100-02-7	
N-Nitroso-di-n-propylamine	<5.0	ug/L	5.0	1	04/23/18 12:08	04/27/18 17:55	621-64-7	
N-Nitrosodiphenylamine	<5.0	ug/L	5.0	1	04/23/18 12:08	04/27/18 17:55	86-30-6	
2,2'-Oxybis(1-chloropropane)	<5.0	ug/L	5.0	1	04/23/18 12:08	04/27/18 17:55	108-60-1	
Pentachlorophenol	<10.0	ug/L	10.0	1	04/23/18 12:08	04/27/18 17:55	87-86-5	
Phenanthrene	<5.0	ug/L	5.0	1	04/23/18 12:08	04/27/18 17:55	85-01-8	
Phenol	<5.0	ug/L	5.0	1	04/23/18 12:08	04/27/18 17:55	108-95-2	
Pyrene	<5.0	ug/L	5.0	1	04/23/18 12:08	04/27/18 17:55	129-00-0	
2,4,5-Trichlorophenol	<5.0	ug/L	5.0	1	04/23/18 12:08	04/27/18 17:55	95-95-4	
2,4,6-Trichlorophenol	<5.0	ug/L	5.0	1	04/23/18 12:08	04/27/18 17:55	88-06-2	
Surrogates								
Nitrobenzene-d5 (S)	49	%	35-114	1	04/23/18 12:08	04/27/18 17:55	4165-60-0	
2-Fluorobiphenyl (S)	56	%	43-116	1	04/23/18 12:08	04/27/18 17:55	321-60-8	
p-Terphenyl-d14 (S)	71	%	33-141	1	04/23/18 12:08	04/27/18 17:55	1718-51-0	
Phenol-d5 (S)	21	%	10-110	1	04/23/18 12:08	04/27/18 17:55	4165-62-2	
2-Fluorophenol (S)	30	%	21-110	1	04/23/18 12:08	04/27/18 17:55	367-12-4	
2,4,6-Tribromophenol (S)	65	%	10-123	1	04/23/18 12:08	04/27/18 17:55	118-79-6	
2-Chlorophenol-d4 (S)	47	%	33-110	1	04/23/18 12:08	04/27/18 17:55	93951-73-6	
1,2-Dichlorobenzene-d4 (S)	44	%	16-110	1	04/23/18 12:08	04/27/18 17:55	2199-69-1	
8260C Volatile Organics								
Analytical Method: EPA 8260C/5030C								
1,1,1-Trichloroethane	<1.0	ug/L	1.0	1		04/20/18 19:04	71-55-6	
1,1,2,2-Tetrachloroethane	<1.0	ug/L	1.0	1		04/20/18 19:04	79-34-5	
1,1,2-Trichloroethane	<1.0	ug/L	1.0	1		04/20/18 19:04	79-00-5	
1,1,2-Trichlorotrifluoroethane	<1.0	ug/L	1.0	1		04/20/18 19:04	76-13-1	
1,1-Dichloroethane	<1.0	ug/L	1.0	1		04/20/18 19:04	75-34-3	L2
1,1-Dichloroethene	<1.0	ug/L	1.0	1		04/20/18 19:04	75-35-4	
1,2,4-Trichlorobenzene	<1.0	ug/L	1.0	1		04/20/18 19:04	120-82-1	
1,2-Dibromo-3-chloropropane	<1.0	ug/L	1.0	1		04/20/18 19:04	96-12-8	
1,2-Dibromoethane (EDB)	<1.0	ug/L	1.0	1		04/20/18 19:04	106-93-4	
1,2-Dichlorobenzene	1.7	ug/L	1.0	1		04/20/18 19:04	95-50-1	
1,2-Dichloroethane	<1.0	ug/L	1.0	1		04/20/18 19:04	107-06-2	
1,2-Dichloropropane	<1.0	ug/L	1.0	1		04/20/18 19:04	78-87-5	
1,3-Dichlorobenzene	<1.0	ug/L	1.0	1		04/20/18 19:04	541-73-1	
1,4-Dichlorobenzene	<1.0	ug/L	1.0	1		04/20/18 19:04	106-46-7	
2-Butanone (MEK)	<5.0	ug/L	5.0	1		04/20/18 19:04	78-93-3	
2-Hexanone	<5.0	ug/L	5.0	1		04/20/18 19:04	591-78-6	
4-Methyl-2-pentanone (MIBK)	<5.0	ug/L	5.0	1		04/20/18 19:04	108-10-1	
Acetone	<5.0	ug/L	5.0	1		04/20/18 19:04	67-64-1	CL
Benzene	7.3	ug/L	1.0	1		04/20/18 19:04	71-43-2	
Bromodichloromethane	<1.0	ug/L	1.0	1		04/20/18 19:04	75-27-4	
Bromoform	<1.0	ug/L	1.0	1		04/20/18 19:04	75-25-2	
Bromomethane	<1.0	ug/L	1.0	1		04/20/18 19:04	74-83-9	
Carbon disulfide	<1.0	ug/L	1.0	1		04/20/18 19:04	75-15-0	
Carbon tetrachloride	<1.0	ug/L	1.0	1		04/20/18 19:04	56-23-5	
Chlorobenzene	<1.0	ug/L	1.0	1		04/20/18 19:04	108-90-7	

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ANALYTICAL RESULTS

Project: FORMER COYNE TEXTILE

Pace Project No.: 7048944

Sample: GW MW2	Lab ID: 7048944002	Collected: 04/18/18 13:40	Received: 04/19/18 09:40	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260C Volatile Organics		Analytical Method: EPA 8260C/5030C						
Chloroethane	<1.0	ug/L	1.0	1		04/20/18 19:04	75-00-3	
Chloroform	<1.0	ug/L	1.0	1		04/20/18 19:04	67-66-3	
Chloromethane	<1.0	ug/L	1.0	1		04/20/18 19:04	74-87-3	
Cyclohexane	21.0	ug/L	1.0	1		04/20/18 19:04	110-82-7	CL
Dibromochloromethane	<1.0	ug/L	1.0	1		04/20/18 19:04	124-48-1	
Dichlorodifluoromethane	<1.0	ug/L	1.0	1		04/20/18 19:04	75-71-8	CL
Ethylbenzene	2.9	ug/L	1.0	1		04/20/18 19:04	100-41-4	
Isopropylbenzene (Cumene)	121	ug/L	1.0	1		04/20/18 19:04	98-82-8	
Methyl acetate	<1.0	ug/L	1.0	1		04/20/18 19:04	79-20-9	CL
Methyl-tert-butyl ether	<1.0	ug/L	1.0	1		04/20/18 19:04	1634-04-4	
Methylcyclohexane	29.3	ug/L	1.0	1		04/20/18 19:04	108-87-2	
Methylene Chloride	<1.0	ug/L	1.0	1		04/20/18 19:04	75-09-2	
Styrene	<1.0	ug/L	1.0	1		04/20/18 19:04	100-42-5	
Tetrachloroethene	<1.0	ug/L	1.0	1		04/20/18 19:04	127-18-4	
Toluene	2.3	ug/L	1.0	1		04/20/18 19:04	108-88-3	
Trichloroethene	<1.0	ug/L	1.0	1		04/20/18 19:04	79-01-6	
Trichlorofluoromethane	<1.0	ug/L	1.0	1		04/20/18 19:04	75-69-4	
Vinyl chloride	<1.0	ug/L	1.0	1		04/20/18 19:04	75-01-4	CL
Xylene (Total)	6.3	ug/L	3.0	1		04/20/18 19:04	1330-20-7	
cis-1,2-Dichloroethene	1.0	ug/L	1.0	1		04/20/18 19:04	156-59-2	
cis-1,3-Dichloropropene	<1.0	ug/L	1.0	1		04/20/18 19:04	10061-01-5	
trans-1,2-Dichloroethene	<1.0	ug/L	1.0	1		04/20/18 19:04	156-60-5	
trans-1,3-Dichloropropene	<1.0	ug/L	1.0	1		04/20/18 19:04	10061-02-6	
Surrogates								
1,2-Dichloroethane-d4 (S)	89	%	68-153	1		04/20/18 19:04	17060-07-0	
4-Bromofluorobenzene (S)	103	%	79-124	1		04/20/18 19:04	460-00-4	
Toluene-d8 (S)	92	%	69-124	1		04/20/18 19:04	2037-26-5	

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ANALYTICAL RESULTS

Project: FORMER COYNE TEXTILE

Pace Project No.: 7048944

Sample: GW MW3	Lab ID: 7048944003	Collected: 04/18/18 16:30	Received: 04/19/18 09:40	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8082 GCS PCB								
Analytical Method: EPA 8082A Preparation Method: EPA 3510C								
PCB-1016 (Aroclor 1016)	<1.0	ug/L	1.0	1	04/21/18 04:04	04/23/18 19:35	12674-11-2	
PCB-1221 (Aroclor 1221)	<2.0	ug/L	2.0	1	04/21/18 04:04	04/23/18 19:35	11104-28-2	
PCB-1232 (Aroclor 1232)	<1.0	ug/L	1.0	1	04/21/18 04:04	04/23/18 19:35	11141-16-5	
PCB-1242 (Aroclor 1242)	<1.0	ug/L	1.0	1	04/21/18 04:04	04/23/18 19:35	53469-21-9	
PCB-1248 (Aroclor 1248)	<1.0	ug/L	1.0	1	04/21/18 04:04	04/23/18 19:35	12672-29-6	
PCB-1254 (Aroclor 1254)	<1.0	ug/L	1.0	1	04/21/18 04:04	04/23/18 19:35	11097-69-1	
PCB-1260 (Aroclor 1260)	<1.0	ug/L	1.0	1	04/21/18 04:04	04/23/18 19:35	11096-82-5	
Surrogates								
Tetrachloro-m-xylene (S)	56	%	30-150	1	04/21/18 04:04	04/23/18 19:35	877-09-8	
Decachlorobiphenyl (S)	76	%	30-150	1	04/21/18 04:04	04/23/18 19:35	2051-24-3	
200.7 Metals, Total								
Analytical Method: EPA 200.7 Preparation Method: EPA 200.7								
Aluminum	<200	ug/L	200	1	04/20/18 10:03	04/22/18 13:46	7429-90-5	
Antimony	<60.0	ug/L	60.0	1	04/20/18 10:03	04/22/18 13:46	7440-36-0	
Arsenic	<10.0	ug/L	10.0	1	04/20/18 10:03	04/22/18 13:46	7440-38-2	
Barium	391	ug/L	200	1	04/20/18 10:03	04/22/18 13:46	7440-39-3	
Beryllium	<5.0	ug/L	5.0	1	04/20/18 10:03	04/22/18 13:46	7440-41-7	
Cadmium	<2.5	ug/L	2.5	1	04/20/18 10:03	04/22/18 13:46	7440-43-9	
Calcium	165000	ug/L	1000	1	04/20/18 10:03	04/22/18 13:46	7440-70-2	
Chromium	<10.0	ug/L	10.0	1	04/20/18 10:03	04/22/18 13:46	7440-47-3	
Cobalt	<50.0	ug/L	50.0	1	04/20/18 10:03	04/22/18 13:46	7440-48-4	
Copper	<25.0	ug/L	25.0	1	04/20/18 10:03	04/22/18 13:46	7440-50-8	
Iron	6730	ug/L	20.0	1	04/20/18 10:03	04/22/18 13:46	7439-89-6	
Lead	<5.0	ug/L	5.0	1	04/20/18 10:03	04/22/18 13:46	7439-92-1	
Magnesium	149000	ug/L	1000	1	04/20/18 10:03	04/22/18 13:46	7439-95-4	
Manganese	407	ug/L	10.0	1	04/20/18 10:03	04/22/18 13:46	7439-96-5	
Nickel	<40.0	ug/L	40.0	1	04/20/18 10:03	04/22/18 13:46	7440-02-0	
Potassium	21900	ug/L	5000	1	04/20/18 10:03	04/22/18 13:46	7440-09-7	
Selenium	<10.0	ug/L	10.0	1	04/20/18 10:03	04/22/18 13:46	7782-49-2	
Silver	<10.0	ug/L	10.0	1	04/20/18 10:03	04/22/18 13:46	7440-22-4	
Sodium	780000	ug/L	5000	1	04/20/18 10:03	04/22/18 13:46	7440-23-5	
Thallium	<10.0	ug/L	10.0	1	04/20/18 10:03	04/22/18 13:46	7440-28-0	
Vanadium	<50.0	ug/L	50.0	1	04/20/18 10:03	04/22/18 13:46	7440-62-2	
Zinc	<20.0	ug/L	20.0	1	04/20/18 10:03	04/22/18 13:46	7440-66-6	
7470 Mercury								
Analytical Method: EPA 7470A Preparation Method: EPA 7470A								
Mercury	<0.20	ug/L	0.20	1	04/20/18 12:03	04/25/18 12:50	7439-97-6	
8270 MSSV								
Analytical Method: EPA 8270D Preparation Method: EPA 3510C								
Acenaphthene	<5.0	ug/L	5.0	1	04/23/18 12:08	04/27/18 18:23	83-32-9	
Acenaphthylene	<5.0	ug/L	5.0	1	04/23/18 12:08	04/27/18 18:23	208-96-8	
Acetophenone	<5.0	ug/L	5.0	1	04/23/18 12:08	04/27/18 18:23	98-86-2	
Anthracene	<5.0	ug/L	5.0	1	04/23/18 12:08	04/27/18 18:23	120-12-7	
Atrazine	<5.0	ug/L	5.0	1	04/23/18 12:08	04/27/18 18:23	1912-24-9	IC
Benzaldehyde	<5.0	ug/L	5.0	1	04/23/18 12:08	04/27/18 18:23	100-52-7	IC,IL
Benzo(a)anthracene	<5.0	ug/L	5.0	1	04/23/18 12:08	04/27/18 18:23	56-55-3	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: FORMER COYNE TEXTILE
Pace Project No.: 7048944

Sample: GW MW3	Lab ID: 7048944003	Collected: 04/18/18 16:30	Received: 04/19/18 09:40	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV		Analytical Method: EPA 8270D Preparation Method: EPA 3510C						
Benzo(a)pyrene	<5.0	ug/L	5.0	1	04/23/18 12:08	04/27/18 18:23	50-32-8	
Benzo(b)fluoranthene	<5.0	ug/L	5.0	1	04/23/18 12:08	04/27/18 18:23	205-99-2	
Benzo(g,h,i)perylene	<5.0	ug/L	5.0	1	04/23/18 12:08	04/27/18 18:23	191-24-2	
Benzo(k)fluoranthene	<5.0	ug/L	5.0	1	04/23/18 12:08	04/27/18 18:23	207-08-9	
Biphenyl (Diphenyl)	<5.0	ug/L	5.0	1	04/23/18 12:08	04/27/18 18:23	92-52-4	
4-Bromophenylphenyl ether	<5.0	ug/L	5.0	1	04/23/18 12:08	04/27/18 18:23	101-55-3	
Butylbenzylphthalate	<5.0	ug/L	5.0	1	04/23/18 12:08	04/27/18 18:23	85-68-7	
Caprolactam	<5.0	ug/L	5.0	1	04/23/18 12:08	04/27/18 18:23	105-60-2	
Carbazole	<5.0	ug/L	5.0	1	04/23/18 12:08	04/27/18 18:23	86-74-8	
4-Chloro-3-methylphenol	<5.0	ug/L	5.0	1	04/23/18 12:08	04/27/18 18:23	59-50-7	
4-Chloroaniline	<5.0	ug/L	5.0	1	04/23/18 12:08	04/27/18 18:23	106-47-8	
bis(2-Chloroethoxy)methane	<5.0	ug/L	5.0	1	04/23/18 12:08	04/27/18 18:23	111-91-1	
bis(2-Chloroethyl) ether	<5.0	ug/L	5.0	1	04/23/18 12:08	04/27/18 18:23	111-44-4	
2-Chloronaphthalene	<5.0	ug/L	5.0	1	04/23/18 12:08	04/27/18 18:23	91-58-7	
2-Chlorophenol	<5.0	ug/L	5.0	1	04/23/18 12:08	04/27/18 18:23	95-57-8	
4-Chlorophenylphenyl ether	<5.0	ug/L	5.0	1	04/23/18 12:08	04/27/18 18:23	7005-72-3	
Chrysene	<5.0	ug/L	5.0	1	04/23/18 12:08	04/27/18 18:23	218-01-9	
Dibenz(a,h)anthracene	<5.0	ug/L	5.0	1	04/23/18 12:08	04/27/18 18:23	53-70-3	
Dibenzofuran	<5.0	ug/L	5.0	1	04/23/18 12:08	04/27/18 18:23	132-64-9	
3,3'-Dichlorobenzidine	<5.0	ug/L	5.0	1	04/23/18 12:08	04/27/18 18:23	91-94-1	
2,4-Dichlorophenol	<5.0	ug/L	5.0	1	04/23/18 12:08	04/27/18 18:23	120-83-2	
Diethylphthalate	<5.0	ug/L	5.0	1	04/23/18 12:08	04/27/18 18:23	84-66-2	
2,4-Dimethylphenol	<5.0	ug/L	5.0	1	04/23/18 12:08	04/27/18 18:23	105-67-9	L2
Dimethylphthalate	<5.0	ug/L	5.0	1	04/23/18 12:08	04/27/18 18:23	131-11-3	
Di-n-butylphthalate	<5.0	ug/L	5.0	1	04/23/18 12:08	04/27/18 18:23	84-74-2	
4,6-Dinitro-2-methylphenol	<10.0	ug/L	10.0	1	04/23/18 12:08	04/27/18 18:23	534-52-1	
2,4-Dinitrophenol	<10.0	ug/L	10.0	1	04/23/18 12:08	04/27/18 18:23	51-28-5	
2,4-Dinitrotoluene	<5.0	ug/L	5.0	1	04/23/18 12:08	04/27/18 18:23	121-14-2	
2,6-Dinitrotoluene	<5.0	ug/L	5.0	1	04/23/18 12:08	04/27/18 18:23	606-20-2	
Di-n-octylphthalate	<5.0	ug/L	5.0	1	04/23/18 12:08	04/27/18 18:23	117-84-0	
bis(2-Ethylhexyl)phthalate	<5.0	ug/L	5.0	1	04/23/18 12:08	04/27/18 18:23	117-81-7	
Fluoranthene	<5.0	ug/L	5.0	1	04/23/18 12:08	04/27/18 18:23	206-44-0	
Fluorene	<5.0	ug/L	5.0	1	04/23/18 12:08	04/27/18 18:23	86-73-7	
Hexachloro-1,3-butadiene	<5.0	ug/L	5.0	1	04/23/18 12:08	04/27/18 18:23	87-68-3	
Hexachlorobenzene	<5.0	ug/L	5.0	1	04/23/18 12:08	04/27/18 18:23	118-74-1	
Hexachlorocyclopentadiene	<5.0	ug/L	5.0	1	04/23/18 12:08	04/27/18 18:23	77-47-4	
Hexachloroethane	<5.0	ug/L	5.0	1	04/23/18 12:08	04/27/18 18:23	67-72-1	
Indeno(1,2,3-cd)pyrene	<5.0	ug/L	5.0	1	04/23/18 12:08	04/27/18 18:23	193-39-5	
Isophorone	<5.0	ug/L	5.0	1	04/23/18 12:08	04/27/18 18:23	78-59-1	
2-Methylnaphthalene	<5.0	ug/L	5.0	1	04/23/18 12:08	04/27/18 18:23	91-57-6	
2-Methylphenol(o-Cresol)	<5.0	ug/L	5.0	1	04/23/18 12:08	04/27/18 18:23	95-48-7	
3&4-Methylphenol(m&p Cresol)	<5.0	ug/L	5.0	1	04/23/18 12:08	04/27/18 18:23		
Naphthalene	<5.0	ug/L	5.0	1	04/23/18 12:08	04/27/18 18:23	91-20-3	
2-Nitroaniline	<5.0	ug/L	5.0	1	04/23/18 12:08	04/27/18 18:23	88-74-4	
3-Nitroaniline	<5.0	ug/L	5.0	1	04/23/18 12:08	04/27/18 18:23	99-09-2	
4-Nitroaniline	<5.0	ug/L	5.0	1	04/23/18 12:08	04/27/18 18:23	100-01-6	
Nitrobenzene	<5.0	ug/L	5.0	1	04/23/18 12:08	04/27/18 18:23	98-95-3	

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ANALYTICAL RESULTS

Project: FORMER COYNE TEXTILE

Pace Project No.: 7048944

Sample: GW MW3	Lab ID: 7048944003	Collected: 04/18/18 16:30	Received: 04/19/18 09:40	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV								
Analytical Method: EPA 8270D Preparation Method: EPA 3510C								
2-Nitrophenol	<5.0	ug/L	5.0	1	04/23/18 12:08	04/27/18 18:23	88-75-5	
4-Nitrophenol	<10.0	ug/L	10.0	1	04/23/18 12:08	04/27/18 18:23	100-02-7	
N-Nitroso-di-n-propylamine	<5.0	ug/L	5.0	1	04/23/18 12:08	04/27/18 18:23	621-64-7	
N-Nitrosodiphenylamine	<5.0	ug/L	5.0	1	04/23/18 12:08	04/27/18 18:23	86-30-6	
2,2'-Oxybis(1-chloropropane)	<5.0	ug/L	5.0	1	04/23/18 12:08	04/27/18 18:23	108-60-1	
Pentachlorophenol	<10.0	ug/L	10.0	1	04/23/18 12:08	04/27/18 18:23	87-86-5	
Phenanthrene	<5.0	ug/L	5.0	1	04/23/18 12:08	04/27/18 18:23	85-01-8	
Phenol	<5.0	ug/L	5.0	1	04/23/18 12:08	04/27/18 18:23	108-95-2	
Pyrene	<5.0	ug/L	5.0	1	04/23/18 12:08	04/27/18 18:23	129-00-0	
2,4,5-Trichlorophenol	<5.0	ug/L	5.0	1	04/23/18 12:08	04/27/18 18:23	95-95-4	
2,4,6-Trichlorophenol	<5.0	ug/L	5.0	1	04/23/18 12:08	04/27/18 18:23	88-06-2	
Surrogates								
Nitrobenzene-d5 (S)	51	%	35-114	1	04/23/18 12:08	04/27/18 18:23	4165-60-0	
2-Fluorobiphenyl (S)	54	%	43-116	1	04/23/18 12:08	04/27/18 18:23	321-60-8	
p-Terphenyl-d14 (S)	58	%	33-141	1	04/23/18 12:08	04/27/18 18:23	1718-51-0	
Phenol-d5 (S)	28	%	10-110	1	04/23/18 12:08	04/27/18 18:23	4165-62-2	
2-Fluorophenol (S)	35	%	21-110	1	04/23/18 12:08	04/27/18 18:23	367-12-4	
2,4,6-Tribromophenol (S)	68	%	10-123	1	04/23/18 12:08	04/27/18 18:23	118-79-6	
2-Chlorophenol-d4 (S)	49	%	33-110	1	04/23/18 12:08	04/27/18 18:23	93951-73-6	
1,2-Dichlorobenzene-d4 (S)	42	%	16-110	1	04/23/18 12:08	04/27/18 18:23	2199-69-1	
8260C Volatile Organics								
Analytical Method: EPA 8260C/5030C								
1,1,1-Trichloroethane	<1.0	ug/L	1.0	1		04/20/18 19:28	71-55-6	
1,1,2,2-Tetrachloroethane	<1.0	ug/L	1.0	1		04/20/18 19:28	79-34-5	
1,1,2-Trichloroethane	<1.0	ug/L	1.0	1		04/20/18 19:28	79-00-5	
1,1,2-Trichlorotrifluoroethane	<1.0	ug/L	1.0	1		04/20/18 19:28	76-13-1	
1,1-Dichloroethane	<1.0	ug/L	1.0	1		04/20/18 19:28	75-34-3	L2
1,1-Dichloroethene	<1.0	ug/L	1.0	1		04/20/18 19:28	75-35-4	
1,2,4-Trichlorobenzene	<1.0	ug/L	1.0	1		04/20/18 19:28	120-82-1	
1,2-Dibromo-3-chloropropane	<1.0	ug/L	1.0	1		04/20/18 19:28	96-12-8	
1,2-Dibromoethane (EDB)	<1.0	ug/L	1.0	1		04/20/18 19:28	106-93-4	
1,2-Dichlorobenzene	<1.0	ug/L	1.0	1		04/20/18 19:28	95-50-1	
1,2-Dichloroethane	<1.0	ug/L	1.0	1		04/20/18 19:28	107-06-2	
1,2-Dichloropropane	<1.0	ug/L	1.0	1		04/20/18 19:28	78-87-5	
1,3-Dichlorobenzene	<1.0	ug/L	1.0	1		04/20/18 19:28	541-73-1	
1,4-Dichlorobenzene	<1.0	ug/L	1.0	1		04/20/18 19:28	106-46-7	
2-Butanone (MEK)	<5.0	ug/L	5.0	1		04/20/18 19:28	78-93-3	
2-Hexanone	<5.0	ug/L	5.0	1		04/20/18 19:28	591-78-6	
4-Methyl-2-pentanone (MIBK)	<5.0	ug/L	5.0	1		04/20/18 19:28	108-10-1	
Acetone	<5.0	ug/L	5.0	1		04/20/18 19:28	67-64-1	CL
Benzene	8.1	ug/L	1.0	1		04/20/18 19:28	71-43-2	
Bromodichloromethane	<1.0	ug/L	1.0	1		04/20/18 19:28	75-27-4	
Bromoform	<1.0	ug/L	1.0	1		04/20/18 19:28	75-25-2	
Bromomethane	<1.0	ug/L	1.0	1		04/20/18 19:28	74-83-9	
Carbon disulfide	<1.0	ug/L	1.0	1		04/20/18 19:28	75-15-0	
Carbon tetrachloride	<1.0	ug/L	1.0	1		04/20/18 19:28	56-23-5	
Chlorobenzene	<1.0	ug/L	1.0	1		04/20/18 19:28	108-90-7	

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ANALYTICAL RESULTS

Project: FORMER COYNE TEXTILE

Pace Project No.: 7048944

Sample: GW MW3		Lab ID: 7048944003		Collected: 04/18/18 16:30	Received: 04/19/18 09:40	Matrix: Water		
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260C Volatile Organics		Analytical Method: EPA 8260C/5030C						
Chloroethane	<1.0	ug/L	1.0	1		04/20/18 19:28	75-00-3	
Chloroform	<1.0	ug/L	1.0	1		04/20/18 19:28	67-66-3	
Chloromethane	<1.0	ug/L	1.0	1		04/20/18 19:28	74-87-3	
Cyclohexane	<1.0	ug/L	1.0	1		04/20/18 19:28	110-82-7	CL
Dibromochloromethane	<1.0	ug/L	1.0	1		04/20/18 19:28	124-48-1	
Dichlorodifluoromethane	<1.0	ug/L	1.0	1		04/20/18 19:28	75-71-8	CL
Ethylbenzene	<1.0	ug/L	1.0	1		04/20/18 19:28	100-41-4	
Isopropylbenzene (Cumene)	28.5	ug/L	1.0	1		04/20/18 19:28	98-82-8	
Methyl acetate	<1.0	ug/L	1.0	1		04/20/18 19:28	79-20-9	CL
Methyl-tert-butyl ether	<1.0	ug/L	1.0	1		04/20/18 19:28	1634-04-4	
Methylcyclohexane	<1.0	ug/L	1.0	1		04/20/18 19:28	108-87-2	
Methylene Chloride	<1.0	ug/L	1.0	1		04/20/18 19:28	75-09-2	
Styrene	<1.0	ug/L	1.0	1		04/20/18 19:28	100-42-5	
Tetrachloroethene	<1.0	ug/L	1.0	1		04/20/18 19:28	127-18-4	
Toluene	<1.0	ug/L	1.0	1		04/20/18 19:28	108-88-3	
Trichloroethene	<1.0	ug/L	1.0	1		04/20/18 19:28	79-01-6	
Trichlorofluoromethane	<1.0	ug/L	1.0	1		04/20/18 19:28	75-69-4	
Vinyl chloride	<1.0	ug/L	1.0	1		04/20/18 19:28	75-01-4	CL
Xylene (Total)	<3.0	ug/L	3.0	1		04/20/18 19:28	1330-20-7	
cis-1,2-Dichloroethene	<1.0	ug/L	1.0	1		04/20/18 19:28	156-59-2	
cis-1,3-Dichloropropene	<1.0	ug/L	1.0	1		04/20/18 19:28	10061-01-5	
trans-1,2-Dichloroethene	<1.0	ug/L	1.0	1		04/20/18 19:28	156-60-5	
trans-1,3-Dichloropropene	<1.0	ug/L	1.0	1		04/20/18 19:28	10061-02-6	
Surrogates								
1,2-Dichloroethane-d4 (S)	89	%	68-153	1		04/20/18 19:28	17060-07-0	
4-Bromofluorobenzene (S)	109	%	79-124	1		04/20/18 19:28	460-00-4	
Toluene-d8 (S)	102	%	69-124	1		04/20/18 19:28	2037-26-5	

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ANALYTICAL RESULTS

Project: FORMER COYNE TEXTILE

Pace Project No.: 7048944

Sample: GW DUP100	Lab ID: 7048944004	Collected: 04/18/18 14:40	Received: 04/19/18 09:40	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8082 GCS PCB								
Analytical Method: EPA 8082A Preparation Method: EPA 3510C								
PCB-1016 (Aroclor 1016)	<1.0	ug/L	1.0	1	04/21/18 04:04	04/23/18 19:48	12674-11-2	
PCB-1221 (Aroclor 1221)	<2.0	ug/L	2.0	1	04/21/18 04:04	04/23/18 19:48	11104-28-2	
PCB-1232 (Aroclor 1232)	<1.0	ug/L	1.0	1	04/21/18 04:04	04/23/18 19:48	11141-16-5	
PCB-1242 (Aroclor 1242)	<1.0	ug/L	1.0	1	04/21/18 04:04	04/23/18 19:48	53469-21-9	
PCB-1248 (Aroclor 1248)	<1.0	ug/L	1.0	1	04/21/18 04:04	04/23/18 19:48	12672-29-6	
PCB-1254 (Aroclor 1254)	<1.0	ug/L	1.0	1	04/21/18 04:04	04/23/18 19:48	11097-69-1	
PCB-1260 (Aroclor 1260)	<1.0	ug/L	1.0	1	04/21/18 04:04	04/23/18 19:48	11096-82-5	
Surrogates								
Tetrachloro-m-xylene (S)	40	%	30-150	1	04/21/18 04:04	04/23/18 19:48	877-09-8	
Decachlorobiphenyl (S)	57	%	30-150	1	04/21/18 04:04	04/23/18 19:48	2051-24-3	
200.7 Metals, Total								
Analytical Method: EPA 200.7 Preparation Method: EPA 200.7								
Aluminum	<200	ug/L	200	1	04/20/18 10:03	04/22/18 13:52	7429-90-5	
Antimony	<60.0	ug/L	60.0	1	04/20/18 10:03	04/22/18 13:52	7440-36-0	
Arsenic	<10.0	ug/L	10.0	1	04/20/18 10:03	04/22/18 13:52	7440-38-2	
Barium	374	ug/L	200	1	04/20/18 10:03	04/22/18 13:52	7440-39-3	
Beryllium	<5.0	ug/L	5.0	1	04/20/18 10:03	04/22/18 13:52	7440-41-7	
Cadmium	<2.5	ug/L	2.5	1	04/20/18 10:03	04/22/18 13:52	7440-43-9	
Calcium	173000	ug/L	1000	1	04/20/18 10:03	04/22/18 13:52	7440-70-2	
Chromium	<10.0	ug/L	10.0	1	04/20/18 10:03	04/22/18 13:52	7440-47-3	
Cobalt	<50.0	ug/L	50.0	1	04/20/18 10:03	04/22/18 13:52	7440-48-4	
Copper	<25.0	ug/L	25.0	1	04/20/18 10:03	04/22/18 13:52	7440-50-8	
Iron	5480	ug/L	20.0	1	04/20/18 10:03	04/22/18 13:52	7439-89-6	
Lead	<5.0	ug/L	5.0	1	04/20/18 10:03	04/22/18 13:52	7439-92-1	
Magnesium	248000	ug/L	1000	1	04/20/18 10:03	04/22/18 13:52	7439-95-4	
Manganese	1860	ug/L	10.0	1	04/20/18 10:03	04/22/18 13:52	7439-96-5	
Nickel	<40.0	ug/L	40.0	1	04/20/18 10:03	04/22/18 13:52	7440-02-0	
Potassium	26700	ug/L	5000	1	04/20/18 10:03	04/22/18 13:52	7440-09-7	
Selenium	<10.0	ug/L	10.0	1	04/20/18 10:03	04/22/18 13:52	7782-49-2	
Silver	<10.0	ug/L	10.0	1	04/20/18 10:03	04/22/18 13:52	7440-22-4	
Sodium	474000	ug/L	5000	1	04/20/18 10:03	04/22/18 13:52	7440-23-5	
Thallium	<10.0	ug/L	10.0	1	04/20/18 10:03	04/22/18 13:52	7440-28-0	
Vanadium	<50.0	ug/L	50.0	1	04/20/18 10:03	04/22/18 13:52	7440-62-2	
Zinc	<20.0	ug/L	20.0	1	04/20/18 10:03	04/22/18 13:52	7440-66-6	
7470 Mercury								
Analytical Method: EPA 7470A Preparation Method: EPA 7470A								
Mercury	<0.20	ug/L	0.20	1	04/20/18 12:03	04/25/18 12:52	7439-97-6	
8270 MSSV								
Analytical Method: EPA 8270D Preparation Method: EPA 3510C								
Acenaphthene	<5.0	ug/L	5.0	1	04/23/18 12:08	04/27/18 18:51	83-32-9	
Acenaphthylene	<5.0	ug/L	5.0	1	04/23/18 12:08	04/27/18 18:51	208-96-8	
Acetophenone	<5.0	ug/L	5.0	1	04/23/18 12:08	04/27/18 18:51	98-86-2	
Anthracene	<5.0	ug/L	5.0	1	04/23/18 12:08	04/27/18 18:51	120-12-7	
Atrazine	<5.0	ug/L	5.0	1	04/23/18 12:08	04/27/18 18:51	1912-24-9	IC
Benzaldehyde	<5.0	ug/L	5.0	1	04/23/18 12:08	04/27/18 18:51	100-52-7	IC,IL
Benzo(a)anthracene	<5.0	ug/L	5.0	1	04/23/18 12:08	04/27/18 18:51	56-55-3	

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ANALYTICAL RESULTS

Project: FORMER COYNE TEXTILE

Pace Project No.: 7048944

Sample: GW DUP100	Lab ID: 7048944004	Collected: 04/18/18 14:40	Received: 04/19/18 09:40	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV		Analytical Method: EPA 8270D Preparation Method: EPA 3510C						
Benzo(a)pyrene	<5.0	ug/L	5.0	1	04/23/18 12:08	04/27/18 18:51	50-32-8	
Benzo(b)fluoranthene	<5.0	ug/L	5.0	1	04/23/18 12:08	04/27/18 18:51	205-99-2	
Benzo(g,h,i)perylene	<5.0	ug/L	5.0	1	04/23/18 12:08	04/27/18 18:51	191-24-2	
Benzo(k)fluoranthene	<5.0	ug/L	5.0	1	04/23/18 12:08	04/27/18 18:51	207-08-9	
Biphenyl (Diphenyl)	<5.0	ug/L	5.0	1	04/23/18 12:08	04/27/18 18:51	92-52-4	
4-Bromophenylphenyl ether	<5.0	ug/L	5.0	1	04/23/18 12:08	04/27/18 18:51	101-55-3	
Butylbenzylphthalate	<5.0	ug/L	5.0	1	04/23/18 12:08	04/27/18 18:51	85-68-7	
Caprolactam	<5.0	ug/L	5.0	1	04/23/18 12:08	04/27/18 18:51	105-60-2	
Carbazole	<5.0	ug/L	5.0	1	04/23/18 12:08	04/27/18 18:51	86-74-8	
4-Chloro-3-methylphenol	<5.0	ug/L	5.0	1	04/23/18 12:08	04/27/18 18:51	59-50-7	
4-Chloroaniline	<5.0	ug/L	5.0	1	04/23/18 12:08	04/27/18 18:51	106-47-8	
bis(2-Chloroethoxy)methane	<5.0	ug/L	5.0	1	04/23/18 12:08	04/27/18 18:51	111-91-1	
bis(2-Chloroethyl) ether	<5.0	ug/L	5.0	1	04/23/18 12:08	04/27/18 18:51	111-44-4	
2-Chloronaphthalene	<5.0	ug/L	5.0	1	04/23/18 12:08	04/27/18 18:51	91-58-7	
2-Chlorophenol	<5.0	ug/L	5.0	1	04/23/18 12:08	04/27/18 18:51	95-57-8	
4-Chlorophenylphenyl ether	<5.0	ug/L	5.0	1	04/23/18 12:08	04/27/18 18:51	7005-72-3	
Chrysene	<5.0	ug/L	5.0	1	04/23/18 12:08	04/27/18 18:51	218-01-9	
Dibenz(a,h)anthracene	<5.0	ug/L	5.0	1	04/23/18 12:08	04/27/18 18:51	53-70-3	
Dibenzofuran	<5.0	ug/L	5.0	1	04/23/18 12:08	04/27/18 18:51	132-64-9	
3,3'-Dichlorobenzidine	<5.0	ug/L	5.0	1	04/23/18 12:08	04/27/18 18:51	91-94-1	
2,4-Dichlorophenol	<5.0	ug/L	5.0	1	04/23/18 12:08	04/27/18 18:51	120-83-2	
Diethylphthalate	<5.0	ug/L	5.0	1	04/23/18 12:08	04/27/18 18:51	84-66-2	
2,4-Dimethylphenol	<5.0	ug/L	5.0	1	04/23/18 12:08	04/27/18 18:51	105-67-9	L2
Dimethylphthalate	<5.0	ug/L	5.0	1	04/23/18 12:08	04/27/18 18:51	131-11-3	
Di-n-butylphthalate	<5.0	ug/L	5.0	1	04/23/18 12:08	04/27/18 18:51	84-74-2	
4,6-Dinitro-2-methylphenol	<10.0	ug/L	10.0	1	04/23/18 12:08	04/27/18 18:51	534-52-1	
2,4-Dinitrophenol	<10.0	ug/L	10.0	1	04/23/18 12:08	04/27/18 18:51	51-28-5	
2,4-Dinitrotoluene	<5.0	ug/L	5.0	1	04/23/18 12:08	04/27/18 18:51	121-14-2	
2,6-Dinitrotoluene	<5.0	ug/L	5.0	1	04/23/18 12:08	04/27/18 18:51	606-20-2	
Di-n-octylphthalate	<5.0	ug/L	5.0	1	04/23/18 12:08	04/27/18 18:51	117-84-0	
bis(2-Ethylhexyl)phthalate	<5.0	ug/L	5.0	1	04/23/18 12:08	04/27/18 18:51	117-81-7	
Fluoranthene	<5.0	ug/L	5.0	1	04/23/18 12:08	04/27/18 18:51	206-44-0	
Fluorene	<5.0	ug/L	5.0	1	04/23/18 12:08	04/27/18 18:51	86-73-7	
Hexachloro-1,3-butadiene	<5.0	ug/L	5.0	1	04/23/18 12:08	04/27/18 18:51	87-68-3	
Hexachlorobenzene	<5.0	ug/L	5.0	1	04/23/18 12:08	04/27/18 18:51	118-74-1	
Hexachlorocyclopentadiene	<5.0	ug/L	5.0	1	04/23/18 12:08	04/27/18 18:51	77-47-4	
Hexachloroethane	<5.0	ug/L	5.0	1	04/23/18 12:08	04/27/18 18:51	67-72-1	
Indeno(1,2,3-cd)pyrene	<5.0	ug/L	5.0	1	04/23/18 12:08	04/27/18 18:51	193-39-5	
Isophorone	<5.0	ug/L	5.0	1	04/23/18 12:08	04/27/18 18:51	78-59-1	
2-Methylnaphthalene	<5.0	ug/L	5.0	1	04/23/18 12:08	04/27/18 18:51	91-57-6	
2-Methylphenol(o-Cresol)	<5.0	ug/L	5.0	1	04/23/18 12:08	04/27/18 18:51	95-48-7	
3&4-Methylphenol(m&p Cresol)	<5.0	ug/L	5.0	1	04/23/18 12:08	04/27/18 18:51		
Naphthalene	<5.0	ug/L	5.0	1	04/23/18 12:08	04/27/18 18:51	91-20-3	
2-Nitroaniline	<5.0	ug/L	5.0	1	04/23/18 12:08	04/27/18 18:51	88-74-4	
3-Nitroaniline	<5.0	ug/L	5.0	1	04/23/18 12:08	04/27/18 18:51	99-09-2	
4-Nitroaniline	<5.0	ug/L	5.0	1	04/23/18 12:08	04/27/18 18:51	100-01-6	
Nitrobenzene	<5.0	ug/L	5.0	1	04/23/18 12:08	04/27/18 18:51	98-95-3	

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ANALYTICAL RESULTS

Project: FORMER COYNE TEXTILE

Pace Project No.: 7048944

Sample: GW DUP100	Lab ID: 7048944004	Collected: 04/18/18 14:40	Received: 04/19/18 09:40	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV								
Analytical Method: EPA 8270D Preparation Method: EPA 3510C								
2-Nitrophenol	<5.0	ug/L	5.0	1	04/23/18 12:08	04/27/18 18:51	88-75-5	
4-Nitrophenol	<10.0	ug/L	10.0	1	04/23/18 12:08	04/27/18 18:51	100-02-7	
N-Nitroso-di-n-propylamine	<5.0	ug/L	5.0	1	04/23/18 12:08	04/27/18 18:51	621-64-7	
N-Nitrosodiphenylamine	<5.0	ug/L	5.0	1	04/23/18 12:08	04/27/18 18:51	86-30-6	
2,2'-Oxybis(1-chloropropane)	<5.0	ug/L	5.0	1	04/23/18 12:08	04/27/18 18:51	108-60-1	
Pentachlorophenol	<10.0	ug/L	10.0	1	04/23/18 12:08	04/27/18 18:51	87-86-5	
Phenanthrene	<5.0	ug/L	5.0	1	04/23/18 12:08	04/27/18 18:51	85-01-8	
Phenol	<5.0	ug/L	5.0	1	04/23/18 12:08	04/27/18 18:51	108-95-2	
Pyrene	<5.0	ug/L	5.0	1	04/23/18 12:08	04/27/18 18:51	129-00-0	
2,4,5-Trichlorophenol	<5.0	ug/L	5.0	1	04/23/18 12:08	04/27/18 18:51	95-95-4	
2,4,6-Trichlorophenol	<5.0	ug/L	5.0	1	04/23/18 12:08	04/27/18 18:51	88-06-2	
Surrogates								
Nitrobenzene-d5 (S)	56	%	35-114	1	04/23/18 12:08	04/27/18 18:51	4165-60-0	
2-Fluorobiphenyl (S)	59	%	43-116	1	04/23/18 12:08	04/27/18 18:51	321-60-8	
p-Terphenyl-d14 (S)	62	%	33-141	1	04/23/18 12:08	04/27/18 18:51	1718-51-0	
Phenol-d5 (S)	30	%	10-110	1	04/23/18 12:08	04/27/18 18:51	4165-62-2	
2-Fluorophenol (S)	38	%	21-110	1	04/23/18 12:08	04/27/18 18:51	367-12-4	
2,4,6-Tribromophenol (S)	69	%	10-123	1	04/23/18 12:08	04/27/18 18:51	118-79-6	
2-Chlorophenol-d4 (S)	52	%	33-110	1	04/23/18 12:08	04/27/18 18:51	93951-73-6	
1,2-Dichlorobenzene-d4 (S)	49	%	16-110	1	04/23/18 12:08	04/27/18 18:51	2199-69-1	
8260C Volatile Organics								
Analytical Method: EPA 8260C/5030C								
1,1,1-Trichloroethane	<1.0	ug/L	1.0	1		04/20/18 19:53	71-55-6	
1,1,2,2-Tetrachloroethane	<1.0	ug/L	1.0	1		04/20/18 19:53	79-34-5	
1,1,2-Trichloroethane	<1.0	ug/L	1.0	1		04/20/18 19:53	79-00-5	
1,1,2-Trichlorotrifluoroethane	<1.0	ug/L	1.0	1		04/20/18 19:53	76-13-1	
1,1-Dichloroethane	<1.0	ug/L	1.0	1		04/20/18 19:53	75-34-3	L2
1,1-Dichloroethene	<1.0	ug/L	1.0	1		04/20/18 19:53	75-35-4	
1,2,4-Trichlorobenzene	<1.0	ug/L	1.0	1		04/20/18 19:53	120-82-1	
1,2-Dibromo-3-chloropropane	<1.0	ug/L	1.0	1		04/20/18 19:53	96-12-8	
1,2-Dibromoethane (EDB)	<1.0	ug/L	1.0	1		04/20/18 19:53	106-93-4	
1,2-Dichlorobenzene	<1.0	ug/L	1.0	1		04/20/18 19:53	95-50-1	
1,2-Dichloroethane	<1.0	ug/L	1.0	1		04/20/18 19:53	107-06-2	
1,2-Dichloropropane	<1.0	ug/L	1.0	1		04/20/18 19:53	78-87-5	
1,3-Dichlorobenzene	<1.0	ug/L	1.0	1		04/20/18 19:53	541-73-1	
1,4-Dichlorobenzene	<1.0	ug/L	1.0	1		04/20/18 19:53	106-46-7	
2-Butanone (MEK)	<5.0	ug/L	5.0	1		04/20/18 19:53	78-93-3	
2-Hexanone	<5.0	ug/L	5.0	1		04/20/18 19:53	591-78-6	
4-Methyl-2-pentanone (MIBK)	<5.0	ug/L	5.0	1		04/20/18 19:53	108-10-1	
Acetone	<5.0	ug/L	5.0	1		04/20/18 19:53	67-64-1	CL
Benzene	<1.0	ug/L	1.0	1		04/20/18 19:53	71-43-2	
Bromodichloromethane	<1.0	ug/L	1.0	1		04/20/18 19:53	75-27-4	
Bromoform	<1.0	ug/L	1.0	1		04/20/18 19:53	75-25-2	
Bromomethane	<1.0	ug/L	1.0	1		04/20/18 19:53	74-83-9	
Carbon disulfide	<1.0	ug/L	1.0	1		04/20/18 19:53	75-15-0	
Carbon tetrachloride	<1.0	ug/L	1.0	1		04/20/18 19:53	56-23-5	
Chlorobenzene	<1.0	ug/L	1.0	1		04/20/18 19:53	108-90-7	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: FORMER COYNE TEXTILE

Pace Project No.: 7048944

Sample: GW DUP100	Lab ID: 7048944004	Collected: 04/18/18 14:40	Received: 04/19/18 09:40	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260C Volatile Organics		Analytical Method: EPA 8260C/5030C						
Chloroethane	<1.0	ug/L	1.0	1		04/20/18 19:53	75-00-3	
Chloroform	<1.0	ug/L	1.0	1		04/20/18 19:53	67-66-3	
Chloromethane	<1.0	ug/L	1.0	1		04/20/18 19:53	74-87-3	
Cyclohexane	<1.0	ug/L	1.0	1		04/20/18 19:53	110-82-7	CL
Dibromochloromethane	<1.0	ug/L	1.0	1		04/20/18 19:53	124-48-1	
Dichlorodifluoromethane	<1.0	ug/L	1.0	1		04/20/18 19:53	75-71-8	CL
Ethylbenzene	<1.0	ug/L	1.0	1		04/20/18 19:53	100-41-4	
Isopropylbenzene (Cumene)	<1.0	ug/L	1.0	1		04/20/18 19:53	98-82-8	
Methyl acetate	<1.0	ug/L	1.0	1		04/20/18 19:53	79-20-9	CL
Methyl-tert-butyl ether	1.6	ug/L	1.0	1		04/20/18 19:53	1634-04-4	
Methylcyclohexane	<1.0	ug/L	1.0	1		04/20/18 19:53	108-87-2	
Methylene Chloride	<1.0	ug/L	1.0	1		04/20/18 19:53	75-09-2	
Styrene	<1.0	ug/L	1.0	1		04/20/18 19:53	100-42-5	
Tetrachloroethene	<1.0	ug/L	1.0	1		04/20/18 19:53	127-18-4	
Toluene	<1.0	ug/L	1.0	1		04/20/18 19:53	108-88-3	
Trichloroethene	<1.0	ug/L	1.0	1		04/20/18 19:53	79-01-6	
Trichlorofluoromethane	<1.0	ug/L	1.0	1		04/20/18 19:53	75-69-4	
Vinyl chloride	<1.0	ug/L	1.0	1		04/20/18 19:53	75-01-4	CL
Xylene (Total)	<3.0	ug/L	3.0	1		04/20/18 19:53	1330-20-7	
cis-1,2-Dichloroethene	<1.0	ug/L	1.0	1		04/20/18 19:53	156-59-2	
cis-1,3-Dichloropropene	<1.0	ug/L	1.0	1		04/20/18 19:53	10061-01-5	
trans-1,2-Dichloroethene	<1.0	ug/L	1.0	1		04/20/18 19:53	156-60-5	
trans-1,3-Dichloropropene	<1.0	ug/L	1.0	1		04/20/18 19:53	10061-02-6	
Surrogates								
1,2-Dichloroethane-d4 (S)	90	%	68-153	1		04/20/18 19:53	17060-07-0	
4-Bromofluorobenzene (S)	102	%	79-124	1		04/20/18 19:53	460-00-4	
Toluene-d8 (S)	104	%	69-124	1		04/20/18 19:53	2037-26-5	

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ANALYTICAL RESULTS

Project: FORMER COYNE TEXTILE

Pace Project No.: 7048944

Sample: GW- 101D	Lab ID: 7048944005	Collected: 04/18/18 11:50	Received: 04/19/18 09:40	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8082 GCS PCB								
Analytical Method: EPA 8082A Preparation Method: EPA 3510C								
PCB-1016 (Aroclor 1016)	<1.0	ug/L	1.0	1	04/21/18 04:04	04/23/18 20:01	12674-11-2	
PCB-1221 (Aroclor 1221)	<2.0	ug/L	2.0	1	04/21/18 04:04	04/23/18 20:01	11104-28-2	
PCB-1232 (Aroclor 1232)	<1.0	ug/L	1.0	1	04/21/18 04:04	04/23/18 20:01	11141-16-5	
PCB-1242 (Aroclor 1242)	<1.0	ug/L	1.0	1	04/21/18 04:04	04/23/18 20:01	53469-21-9	
PCB-1248 (Aroclor 1248)	<1.0	ug/L	1.0	1	04/21/18 04:04	04/23/18 20:01	12672-29-6	
PCB-1254 (Aroclor 1254)	<1.0	ug/L	1.0	1	04/21/18 04:04	04/23/18 20:01	11097-69-1	
PCB-1260 (Aroclor 1260)	<1.0	ug/L	1.0	1	04/21/18 04:04	04/23/18 20:01	11096-82-5	
Surrogates								
Tetrachloro-m-xylene (S)	69	%	30-150	1	04/21/18 04:04	04/23/18 20:01	877-09-8	
Decachlorobiphenyl (S)	50	%	30-150	1	04/21/18 04:04	04/23/18 20:01	2051-24-3	
200.7 Metals, Total								
Analytical Method: EPA 200.7 Preparation Method: EPA 200.7								
Aluminum	6380	ug/L	200	1	04/20/18 10:03	04/22/18 13:57	7429-90-5	
Antimony	<60.0	ug/L	60.0	1	04/20/18 10:03	04/22/18 13:57	7440-36-0	
Arsenic	<10.0	ug/L	10.0	1	04/20/18 10:03	04/22/18 13:57	7440-38-2	
Barium	<200	ug/L	200	1	04/20/18 10:03	04/22/18 13:57	7440-39-3	
Beryllium	<5.0	ug/L	5.0	1	04/20/18 10:03	04/22/18 13:57	7440-41-7	
Cadmium	<2.5	ug/L	2.5	1	04/20/18 10:03	04/22/18 13:57	7440-43-9	
Calcium	355000	ug/L	1000	1	04/20/18 10:03	04/22/18 13:57	7440-70-2	
Chromium	55.4	ug/L	10.0	1	04/20/18 10:03	04/22/18 13:57	7440-47-3	
Cobalt	<50.0	ug/L	50.0	1	04/20/18 10:03	04/22/18 13:57	7440-48-4	
Copper	425	ug/L	25.0	1	04/20/18 10:03	04/22/18 13:57	7440-50-8	
Iron	13600	ug/L	20.0	1	04/20/18 10:03	04/22/18 13:57	7439-89-6	
Lead	27.0	ug/L	5.0	1	04/20/18 10:03	04/22/18 13:57	7439-92-1	
Magnesium	98600	ug/L	1000	1	04/20/18 10:03	04/22/18 13:57	7439-95-4	
Manganese	1050	ug/L	10.0	1	04/20/18 10:03	04/22/18 13:57	7439-96-5	
Nickel	48.6	ug/L	40.0	1	04/20/18 10:03	04/22/18 13:57	7440-02-0	
Potassium	9270	ug/L	5000	1	04/20/18 10:03	04/22/18 13:57	7440-09-7	
Selenium	<10.0	ug/L	10.0	1	04/20/18 10:03	04/22/18 13:57	7782-49-2	
Silver	<10.0	ug/L	10.0	1	04/20/18 10:03	04/22/18 13:57	7440-22-4	
Sodium	93400	ug/L	5000	1	04/20/18 10:03	04/22/18 13:57	7440-23-5	
Thallium	<10.0	ug/L	10.0	1	04/20/18 10:03	04/22/18 13:57	7440-28-0	
Vanadium	<50.0	ug/L	50.0	1	04/20/18 10:03	04/22/18 13:57	7440-62-2	
Zinc	106	ug/L	20.0	1	04/20/18 10:03	04/22/18 13:57	7440-66-6	
7470 Mercury								
Analytical Method: EPA 7470A Preparation Method: EPA 7470A								
Mercury	0.29	ug/L	0.20	1	04/20/18 12:03	04/25/18 12:53	7439-97-6	
8270 MSSV								
Analytical Method: EPA 8270D Preparation Method: EPA 3510C								
Acenaphthene	<5.0	ug/L	5.0	1	04/23/18 12:08	04/27/18 19:20	83-32-9	
Acenaphthylene	<5.0	ug/L	5.0	1	04/23/18 12:08	04/27/18 19:20	208-96-8	
Acetophenone	<5.0	ug/L	5.0	1	04/23/18 12:08	04/27/18 19:20	98-86-2	
Anthracene	<5.0	ug/L	5.0	1	04/23/18 12:08	04/27/18 19:20	120-12-7	
Atrazine	<5.0	ug/L	5.0	1	04/23/18 12:08	04/27/18 19:20	1912-24-9	IC
Benzaldehyde	<5.0	ug/L	5.0	1	04/23/18 12:08	04/27/18 19:20	100-52-7	IC,IL
Benzo(a)anthracene	<5.0	ug/L	5.0	1	04/23/18 12:08	04/27/18 19:20	56-55-3	

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ANALYTICAL RESULTS

Project: FORMER COYNE TEXTILE

Pace Project No.: 7048944

Sample: GW- 101D	Lab ID: 7048944005	Collected: 04/18/18 11:50	Received: 04/19/18 09:40	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV		Analytical Method: EPA 8270D Preparation Method: EPA 3510C						
Benzo(a)pyrene	<5.0	ug/L	5.0	1	04/23/18 12:08	04/27/18 19:20	50-32-8	
Benzo(b)fluoranthene	<5.0	ug/L	5.0	1	04/23/18 12:08	04/27/18 19:20	205-99-2	
Benzo(g,h,i)perylene	<5.0	ug/L	5.0	1	04/23/18 12:08	04/27/18 19:20	191-24-2	
Benzo(k)fluoranthene	<5.0	ug/L	5.0	1	04/23/18 12:08	04/27/18 19:20	207-08-9	
Biphenyl (Diphenyl)	<5.0	ug/L	5.0	1	04/23/18 12:08	04/27/18 19:20	92-52-4	
4-Bromophenylphenyl ether	<5.0	ug/L	5.0	1	04/23/18 12:08	04/27/18 19:20	101-55-3	
Butylbenzylphthalate	<5.0	ug/L	5.0	1	04/23/18 12:08	04/27/18 19:20	85-68-7	
Caprolactam	<5.0	ug/L	5.0	1	04/23/18 12:08	04/27/18 19:20	105-60-2	
Carbazole	<5.0	ug/L	5.0	1	04/23/18 12:08	04/27/18 19:20	86-74-8	
4-Chloro-3-methylphenol	<5.0	ug/L	5.0	1	04/23/18 12:08	04/27/18 19:20	59-50-7	
4-Chloroaniline	<5.0	ug/L	5.0	1	04/23/18 12:08	04/27/18 19:20	106-47-8	
bis(2-Chloroethoxy)methane	<5.0	ug/L	5.0	1	04/23/18 12:08	04/27/18 19:20	111-91-1	
bis(2-Chloroethyl) ether	<5.0	ug/L	5.0	1	04/23/18 12:08	04/27/18 19:20	111-44-4	
2-Chloronaphthalene	<5.0	ug/L	5.0	1	04/23/18 12:08	04/27/18 19:20	91-58-7	
2-Chlorophenol	<5.0	ug/L	5.0	1	04/23/18 12:08	04/27/18 19:20	95-57-8	
4-Chlorophenylphenyl ether	<5.0	ug/L	5.0	1	04/23/18 12:08	04/27/18 19:20	7005-72-3	
Chrysene	<5.0	ug/L	5.0	1	04/23/18 12:08	04/27/18 19:20	218-01-9	
Dibenz(a,h)anthracene	<5.0	ug/L	5.0	1	04/23/18 12:08	04/27/18 19:20	53-70-3	
Dibenzofuran	<5.0	ug/L	5.0	1	04/23/18 12:08	04/27/18 19:20	132-64-9	
3,3'-Dichlorobenzidine	<5.0	ug/L	5.0	1	04/23/18 12:08	04/27/18 19:20	91-94-1	
2,4-Dichlorophenol	<5.0	ug/L	5.0	1	04/23/18 12:08	04/27/18 19:20	120-83-2	
Diethylphthalate	<5.0	ug/L	5.0	1	04/23/18 12:08	04/27/18 19:20	84-66-2	
2,4-Dimethylphenol	<5.0	ug/L	5.0	1	04/23/18 12:08	04/27/18 19:20	105-67-9	L2
Dimethylphthalate	<5.0	ug/L	5.0	1	04/23/18 12:08	04/27/18 19:20	131-11-3	
Di-n-butylphthalate	<5.0	ug/L	5.0	1	04/23/18 12:08	04/27/18 19:20	84-74-2	
4,6-Dinitro-2-methylphenol	<10.0	ug/L	10.0	1	04/23/18 12:08	04/27/18 19:20	534-52-1	
2,4-Dinitrophenol	<10.0	ug/L	10.0	1	04/23/18 12:08	04/27/18 19:20	51-28-5	
2,4-Dinitrotoluene	<5.0	ug/L	5.0	1	04/23/18 12:08	04/27/18 19:20	121-14-2	
2,6-Dinitrotoluene	<5.0	ug/L	5.0	1	04/23/18 12:08	04/27/18 19:20	606-20-2	
Di-n-octylphthalate	<5.0	ug/L	5.0	1	04/23/18 12:08	04/27/18 19:20	117-84-0	
bis(2-Ethylhexyl)phthalate	<5.0	ug/L	5.0	1	04/23/18 12:08	04/27/18 19:20	117-81-7	
Fluoranthene	<5.0	ug/L	5.0	1	04/23/18 12:08	04/27/18 19:20	206-44-0	
Fluorene	<5.0	ug/L	5.0	1	04/23/18 12:08	04/27/18 19:20	86-73-7	
Hexachloro-1,3-butadiene	<5.0	ug/L	5.0	1	04/23/18 12:08	04/27/18 19:20	87-68-3	
Hexachlorobenzene	<5.0	ug/L	5.0	1	04/23/18 12:08	04/27/18 19:20	118-74-1	
Hexachlorocyclopentadiene	<5.0	ug/L	5.0	1	04/23/18 12:08	04/27/18 19:20	77-47-4	
Hexachloroethane	<5.0	ug/L	5.0	1	04/23/18 12:08	04/27/18 19:20	67-72-1	
Indeno(1,2,3-cd)pyrene	<5.0	ug/L	5.0	1	04/23/18 12:08	04/27/18 19:20	193-39-5	
Isophorone	<5.0	ug/L	5.0	1	04/23/18 12:08	04/27/18 19:20	78-59-1	
2-Methylnaphthalene	<5.0	ug/L	5.0	1	04/23/18 12:08	04/27/18 19:20	91-57-6	
2-Methylphenol(o-Cresol)	<5.0	ug/L	5.0	1	04/23/18 12:08	04/27/18 19:20	95-48-7	
3&4-Methylphenol(m&p Cresol)	<5.0	ug/L	5.0	1	04/23/18 12:08	04/27/18 19:20		
Naphthalene	<5.0	ug/L	5.0	1	04/23/18 12:08	04/27/18 19:20	91-20-3	
2-Nitroaniline	<5.0	ug/L	5.0	1	04/23/18 12:08	04/27/18 19:20	88-74-4	
3-Nitroaniline	<5.0	ug/L	5.0	1	04/23/18 12:08	04/27/18 19:20	99-09-2	
4-Nitroaniline	<5.0	ug/L	5.0	1	04/23/18 12:08	04/27/18 19:20	100-01-6	
Nitrobenzene	<5.0	ug/L	5.0	1	04/23/18 12:08	04/27/18 19:20	98-95-3	

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ANALYTICAL RESULTS

Project: FORMER COYNE TEXTILE

Pace Project No.: 7048944

Sample: GW- 101D	Lab ID: 7048944005	Collected: 04/18/18 11:50	Received: 04/19/18 09:40	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV								
Analytical Method: EPA 8270D Preparation Method: EPA 3510C								
2-Nitrophenol	<5.0	ug/L	5.0	1	04/23/18 12:08	04/27/18 19:20	88-75-5	
4-Nitrophenol	<10.0	ug/L	10.0	1	04/23/18 12:08	04/27/18 19:20	100-02-7	
N-Nitroso-di-n-propylamine	<5.0	ug/L	5.0	1	04/23/18 12:08	04/27/18 19:20	621-64-7	
N-Nitrosodiphenylamine	<5.0	ug/L	5.0	1	04/23/18 12:08	04/27/18 19:20	86-30-6	
2,2'-Oxybis(1-chloropropane)	<5.0	ug/L	5.0	1	04/23/18 12:08	04/27/18 19:20	108-60-1	
Pentachlorophenol	<10.0	ug/L	10.0	1	04/23/18 12:08	04/27/18 19:20	87-86-5	
Phenanthrene	<5.0	ug/L	5.0	1	04/23/18 12:08	04/27/18 19:20	85-01-8	
Phenol	<5.0	ug/L	5.0	1	04/23/18 12:08	04/27/18 19:20	108-95-2	
Pyrene	<5.0	ug/L	5.0	1	04/23/18 12:08	04/27/18 19:20	129-00-0	
2,4,5-Trichlorophenol	<5.0	ug/L	5.0	1	04/23/18 12:08	04/27/18 19:20	95-95-4	
2,4,6-Trichlorophenol	<5.0	ug/L	5.0	1	04/23/18 12:08	04/27/18 19:20	88-06-2	
Surrogates								
Nitrobenzene-d5 (S)	54	%	35-114	1	04/23/18 12:08	04/27/18 19:20	4165-60-0	
2-Fluorobiphenyl (S)	55	%	43-116	1	04/23/18 12:08	04/27/18 19:20	321-60-8	
p-Terphenyl-d14 (S)	57	%	33-141	1	04/23/18 12:08	04/27/18 19:20	1718-51-0	
Phenol-d5 (S)	22	%	10-110	1	04/23/18 12:08	04/27/18 19:20	4165-62-2	
2-Fluorophenol (S)	34	%	21-110	1	04/23/18 12:08	04/27/18 19:20	367-12-4	
2,4,6-Tribromophenol (S)	63	%	10-123	1	04/23/18 12:08	04/27/18 19:20	118-79-6	
2-Chlorophenol-d4 (S)	50	%	33-110	1	04/23/18 12:08	04/27/18 19:20	93951-73-6	
1,2-Dichlorobenzene-d4 (S)	47	%	16-110	1	04/23/18 12:08	04/27/18 19:20	2199-69-1	
8260C Volatile Organics								
Analytical Method: EPA 8260C/5030C								
1,1,1-Trichloroethane	<1.0	ug/L	1.0	1		04/20/18 20:18	71-55-6	
1,1,2,2-Tetrachloroethane	<1.0	ug/L	1.0	1		04/20/18 20:18	79-34-5	
1,1,2-Trichloroethane	<1.0	ug/L	1.0	1		04/20/18 20:18	79-00-5	
1,1,2-Trichlorotrifluoroethane	<1.0	ug/L	1.0	1		04/20/18 20:18	76-13-1	
1,1-Dichloroethane	<1.0	ug/L	1.0	1		04/20/18 20:18	75-34-3	L2
1,1-Dichloroethene	<1.0	ug/L	1.0	1		04/20/18 20:18	75-35-4	
1,2,4-Trichlorobenzene	<1.0	ug/L	1.0	1		04/20/18 20:18	120-82-1	
1,2-Dibromo-3-chloropropane	<1.0	ug/L	1.0	1		04/20/18 20:18	96-12-8	
1,2-Dibromoethane (EDB)	<1.0	ug/L	1.0	1		04/20/18 20:18	106-93-4	
1,2-Dichlorobenzene	<1.0	ug/L	1.0	1		04/20/18 20:18	95-50-1	
1,2-Dichloroethane	<1.0	ug/L	1.0	1		04/20/18 20:18	107-06-2	
1,2-Dichloropropane	<1.0	ug/L	1.0	1		04/20/18 20:18	78-87-5	
1,3-Dichlorobenzene	<1.0	ug/L	1.0	1		04/20/18 20:18	541-73-1	
1,4-Dichlorobenzene	<1.0	ug/L	1.0	1		04/20/18 20:18	106-46-7	
2-Butanone (MEK)	<5.0	ug/L	5.0	1		04/20/18 20:18	78-93-3	
2-Hexanone	<5.0	ug/L	5.0	1		04/20/18 20:18	591-78-6	
4-Methyl-2-pentanone (MIBK)	<5.0	ug/L	5.0	1		04/20/18 20:18	108-10-1	
Acetone	8.9	ug/L	5.0	1		04/20/18 20:18	67-64-1	CL
Benzene	<1.0	ug/L	1.0	1		04/20/18 20:18	71-43-2	
Bromodichloromethane	<1.0	ug/L	1.0	1		04/20/18 20:18	75-27-4	
Bromoform	<1.0	ug/L	1.0	1		04/20/18 20:18	75-25-2	
Bromomethane	<1.0	ug/L	1.0	1		04/20/18 20:18	74-83-9	
Carbon disulfide	<1.0	ug/L	1.0	1		04/20/18 20:18	75-15-0	
Carbon tetrachloride	<1.0	ug/L	1.0	1		04/20/18 20:18	56-23-5	
Chlorobenzene	<1.0	ug/L	1.0	1		04/20/18 20:18	108-90-7	

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ANALYTICAL RESULTS

Project: FORMER COYNE TEXTILE

Pace Project No.: 7048944

Sample: GW- 101D	Lab ID: 7048944005	Collected: 04/18/18 11:50	Received: 04/19/18 09:40	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260C Volatile Organics		Analytical Method: EPA 8260C/5030C						
Chloroethane	<1.0	ug/L	1.0	1		04/20/18 20:18	75-00-3	
Chloroform	<1.0	ug/L	1.0	1		04/20/18 20:18	67-66-3	
Chloromethane	<1.0	ug/L	1.0	1		04/20/18 20:18	74-87-3	
Cyclohexane	<1.0	ug/L	1.0	1		04/20/18 20:18	110-82-7	CL
Dibromochloromethane	<1.0	ug/L	1.0	1		04/20/18 20:18	124-48-1	
Dichlorodifluoromethane	<1.0	ug/L	1.0	1		04/20/18 20:18	75-71-8	CL
Ethylbenzene	<1.0	ug/L	1.0	1		04/20/18 20:18	100-41-4	
Isopropylbenzene (Cumene)	<1.0	ug/L	1.0	1		04/20/18 20:18	98-82-8	
Methyl acetate	<1.0	ug/L	1.0	1		04/20/18 20:18	79-20-9	CL
Methyl-tert-butyl ether	<1.0	ug/L	1.0	1		04/20/18 20:18	1634-04-4	
Methylcyclohexane	<1.0	ug/L	1.0	1		04/20/18 20:18	108-87-2	
Methylene Chloride	<1.0	ug/L	1.0	1		04/20/18 20:18	75-09-2	
Styrene	<1.0	ug/L	1.0	1		04/20/18 20:18	100-42-5	
Tetrachloroethene	<1.0	ug/L	1.0	1		04/20/18 20:18	127-18-4	
Toluene	<1.0	ug/L	1.0	1		04/20/18 20:18	108-88-3	
Trichloroethene	<1.0	ug/L	1.0	1		04/20/18 20:18	79-01-6	
Trichlorofluoromethane	<1.0	ug/L	1.0	1		04/20/18 20:18	75-69-4	
Vinyl chloride	<1.0	ug/L	1.0	1		04/20/18 20:18	75-01-4	CL
Xylene (Total)	<3.0	ug/L	3.0	1		04/20/18 20:18	1330-20-7	
cis-1,2-Dichloroethene	<1.0	ug/L	1.0	1		04/20/18 20:18	156-59-2	
cis-1,3-Dichloropropene	<1.0	ug/L	1.0	1		04/20/18 20:18	10061-01-5	
trans-1,2-Dichloroethene	<1.0	ug/L	1.0	1		04/20/18 20:18	156-60-5	
trans-1,3-Dichloropropene	<1.0	ug/L	1.0	1		04/20/18 20:18	10061-02-6	
Surrogates								
1,2-Dichloroethane-d4 (S)	91	%	68-153	1		04/20/18 20:18	17060-07-0	
4-Bromofluorobenzene (S)	103	%	79-124	1		04/20/18 20:18	460-00-4	
Toluene-d8 (S)	103	%	69-124	1		04/20/18 20:18	2037-26-5	

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ANALYTICAL RESULTS

Project: FORMER COYNE TEXTILE

Pace Project No.: 7048944

Sample: GW- 100	Lab ID: 7048944006	Collected: 04/18/18 11:55	Received: 04/19/18 09:40	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8082 GCS PCB								
Analytical Method: EPA 8082A Preparation Method: EPA 3510C								
PCB-1016 (Aroclor 1016)	<1.0	ug/L	1.0	1	04/21/18 04:04	04/23/18 20:14	12674-11-2	
PCB-1221 (Aroclor 1221)	<2.0	ug/L	2.0	1	04/21/18 04:04	04/23/18 20:14	11104-28-2	
PCB-1232 (Aroclor 1232)	<1.0	ug/L	1.0	1	04/21/18 04:04	04/23/18 20:14	11141-16-5	
PCB-1242 (Aroclor 1242)	<1.0	ug/L	1.0	1	04/21/18 04:04	04/23/18 20:14	53469-21-9	
PCB-1248 (Aroclor 1248)	<1.0	ug/L	1.0	1	04/21/18 04:04	04/23/18 20:14	12672-29-6	
PCB-1254 (Aroclor 1254)	<1.0	ug/L	1.0	1	04/21/18 04:04	04/23/18 20:14	11097-69-1	
PCB-1260 (Aroclor 1260)	<1.0	ug/L	1.0	1	04/21/18 04:04	04/23/18 20:14	11096-82-5	
Surrogates								
Tetrachloro-m-xylene (S)	52	%	30-150	1	04/21/18 04:04	04/23/18 20:14	877-09-8	
Decachlorobiphenyl (S)	65	%	30-150	1	04/21/18 04:04	04/23/18 20:14	2051-24-3	
200.7 Metals, Total								
Analytical Method: EPA 200.7 Preparation Method: EPA 200.7								
Aluminum	7500	ug/L	200	1	04/20/18 10:03	04/22/18 17:21	7429-90-5	M1
Antimony	<60.0	ug/L	60.0	1	04/20/18 10:03	04/22/18 17:21	7440-36-0	
Arsenic	<10.0	ug/L	10.0	1	04/20/18 10:03	04/22/18 17:21	7440-38-2	
Barium	<200	ug/L	200	1	04/20/18 10:03	04/22/18 17:21	7440-39-3	
Beryllium	<5.0	ug/L	5.0	1	04/20/18 10:03	04/22/18 17:21	7440-41-7	
Cadmium	<2.5	ug/L	2.5	1	04/20/18 10:03	04/22/18 17:21	7440-43-9	
Calcium	178000	ug/L	1000	1	04/20/18 10:03	04/22/18 17:21	7440-70-2	M1
Chromium	52.8	ug/L	10.0	1	04/20/18 10:03	04/22/18 17:21	7440-47-3	
Cobalt	<50.0	ug/L	50.0	1	04/20/18 10:03	04/22/18 17:21	7440-48-4	
Copper	131	ug/L	25.0	1	04/20/18 10:03	04/22/18 17:21	7440-50-8	
Iron	12100	ug/L	20.0	1	04/20/18 10:03	04/22/18 17:21	7439-89-6	M1
Lead	13.7	ug/L	5.0	1	04/20/18 10:03	04/22/18 17:21	7439-92-1	
Magnesium	60300	ug/L	1000	1	04/20/18 10:03	04/22/18 17:21	7439-95-4	
Manganese	417	ug/L	10.0	1	04/20/18 10:03	04/22/18 17:21	7439-96-5	
Nickel	<40.0	ug/L	40.0	1	04/20/18 10:03	04/22/18 17:21	7440-02-0	
Potassium	9230	ug/L	5000	1	04/20/18 10:03	04/22/18 17:21	7440-09-7	
Selenium	<10.0	ug/L	10.0	1	04/20/18 10:03	04/22/18 17:21	7782-49-2	
Silver	<10.0	ug/L	10.0	1	04/20/18 10:03	04/22/18 17:21	7440-22-4	
Sodium	102000	ug/L	5000	1	04/20/18 10:03	04/22/18 17:21	7440-23-5	
Thallium	<10.0	ug/L	10.0	1	04/20/18 10:03	04/22/18 17:21	7440-28-0	
Vanadium	<50.0	ug/L	50.0	1	04/20/18 10:03	04/22/18 17:21	7440-62-2	
Zinc	65.6	ug/L	20.0	1	04/20/18 10:03	04/22/18 17:21	7440-66-6	
7470 Mercury								
Analytical Method: EPA 7470A Preparation Method: EPA 7470A								
Mercury	<0.20	ug/L	0.20	1	04/20/18 12:03	04/25/18 12:55	7439-97-6	
8270 MSSV								
Analytical Method: EPA 8270D Preparation Method: EPA 3510C								
Acenaphthene	<5.0	ug/L	5.0	1	04/23/18 12:08	04/27/18 19:48	83-32-9	
Acenaphthylene	<5.0	ug/L	5.0	1	04/23/18 12:08	04/27/18 19:48	208-96-8	
Acetophenone	<5.0	ug/L	5.0	1	04/23/18 12:08	04/27/18 19:48	98-86-2	
Anthracene	<5.0	ug/L	5.0	1	04/23/18 12:08	04/27/18 19:48	120-12-7	
Atrazine	<5.0	ug/L	5.0	1	04/23/18 12:08	04/27/18 19:48	1912-24-9	IC
Benzaldehyde	<5.0	ug/L	5.0	1	04/23/18 12:08	04/27/18 19:48	100-52-7	IC,IL
Benzo(a)anthracene	<5.0	ug/L	5.0	1	04/23/18 12:08	04/27/18 19:48	56-55-3	

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ANALYTICAL RESULTS

Project: FORMER COYNE TEXTILE

Pace Project No.: 7048944

Sample: GW- 100	Lab ID: 7048944006	Collected: 04/18/18 11:55	Received: 04/19/18 09:40	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV		Analytical Method: EPA 8270D Preparation Method: EPA 3510C						
Benzo(a)pyrene	<5.0	ug/L	5.0	1	04/23/18 12:08	04/27/18 19:48	50-32-8	
Benzo(b)fluoranthene	<5.0	ug/L	5.0	1	04/23/18 12:08	04/27/18 19:48	205-99-2	
Benzo(g,h,i)perylene	<5.0	ug/L	5.0	1	04/23/18 12:08	04/27/18 19:48	191-24-2	
Benzo(k)fluoranthene	<5.0	ug/L	5.0	1	04/23/18 12:08	04/27/18 19:48	207-08-9	
Biphenyl (Diphenyl)	<5.0	ug/L	5.0	1	04/23/18 12:08	04/27/18 19:48	92-52-4	
4-Bromophenylphenyl ether	<5.0	ug/L	5.0	1	04/23/18 12:08	04/27/18 19:48	101-55-3	
Butylbenzylphthalate	<5.0	ug/L	5.0	1	04/23/18 12:08	04/27/18 19:48	85-68-7	
Caprolactam	<5.0	ug/L	5.0	1	04/23/18 12:08	04/27/18 19:48	105-60-2	
Carbazole	<5.0	ug/L	5.0	1	04/23/18 12:08	04/27/18 19:48	86-74-8	
4-Chloro-3-methylphenol	<5.0	ug/L	5.0	1	04/23/18 12:08	04/27/18 19:48	59-50-7	
4-Chloroaniline	<5.0	ug/L	5.0	1	04/23/18 12:08	04/27/18 19:48	106-47-8	
bis(2-Chloroethoxy)methane	<5.0	ug/L	5.0	1	04/23/18 12:08	04/27/18 19:48	111-91-1	
bis(2-Chloroethyl) ether	<5.0	ug/L	5.0	1	04/23/18 12:08	04/27/18 19:48	111-44-4	
2-Chloronaphthalene	<5.0	ug/L	5.0	1	04/23/18 12:08	04/27/18 19:48	91-58-7	
2-Chlorophenol	<5.0	ug/L	5.0	1	04/23/18 12:08	04/27/18 19:48	95-57-8	
4-Chlorophenylphenyl ether	<5.0	ug/L	5.0	1	04/23/18 12:08	04/27/18 19:48	7005-72-3	
Chrysene	<5.0	ug/L	5.0	1	04/23/18 12:08	04/27/18 19:48	218-01-9	
Dibenz(a,h)anthracene	<5.0	ug/L	5.0	1	04/23/18 12:08	04/27/18 19:48	53-70-3	
Dibenzofuran	<5.0	ug/L	5.0	1	04/23/18 12:08	04/27/18 19:48	132-64-9	
3,3'-Dichlorobenzidine	<5.0	ug/L	5.0	1	04/23/18 12:08	04/27/18 19:48	91-94-1	
2,4-Dichlorophenol	<5.0	ug/L	5.0	1	04/23/18 12:08	04/27/18 19:48	120-83-2	
Diethylphthalate	<5.0	ug/L	5.0	1	04/23/18 12:08	04/27/18 19:48	84-66-2	
2,4-Dimethylphenol	<5.0	ug/L	5.0	1	04/23/18 12:08	04/27/18 19:48	105-67-9	L2
Dimethylphthalate	<5.0	ug/L	5.0	1	04/23/18 12:08	04/27/18 19:48	131-11-3	
Di-n-butylphthalate	<5.0	ug/L	5.0	1	04/23/18 12:08	04/27/18 19:48	84-74-2	
4,6-Dinitro-2-methylphenol	<10.0	ug/L	10.0	1	04/23/18 12:08	04/27/18 19:48	534-52-1	
2,4-Dinitrophenol	<10.0	ug/L	10.0	1	04/23/18 12:08	04/27/18 19:48	51-28-5	
2,4-Dinitrotoluene	<5.0	ug/L	5.0	1	04/23/18 12:08	04/27/18 19:48	121-14-2	
2,6-Dinitrotoluene	<5.0	ug/L	5.0	1	04/23/18 12:08	04/27/18 19:48	606-20-2	
Di-n-octylphthalate	<5.0	ug/L	5.0	1	04/23/18 12:08	04/27/18 19:48	117-84-0	
bis(2-Ethylhexyl)phthalate	<5.0	ug/L	5.0	1	04/23/18 12:08	04/27/18 19:48	117-81-7	
Fluoranthene	<5.0	ug/L	5.0	1	04/23/18 12:08	04/27/18 19:48	206-44-0	
Fluorene	<5.0	ug/L	5.0	1	04/23/18 12:08	04/27/18 19:48	86-73-7	
Hexachloro-1,3-butadiene	<5.0	ug/L	5.0	1	04/23/18 12:08	04/27/18 19:48	87-68-3	
Hexachlorobenzene	<5.0	ug/L	5.0	1	04/23/18 12:08	04/27/18 19:48	118-74-1	
Hexachlorocyclopentadiene	<5.0	ug/L	5.0	1	04/23/18 12:08	04/27/18 19:48	77-47-4	
Hexachloroethane	<5.0	ug/L	5.0	1	04/23/18 12:08	04/27/18 19:48	67-72-1	
Indeno(1,2,3-cd)pyrene	<5.0	ug/L	5.0	1	04/23/18 12:08	04/27/18 19:48	193-39-5	
Isophorone	<5.0	ug/L	5.0	1	04/23/18 12:08	04/27/18 19:48	78-59-1	
2-Methylnaphthalene	<5.0	ug/L	5.0	1	04/23/18 12:08	04/27/18 19:48	91-57-6	
2-Methylphenol(o-Cresol)	<5.0	ug/L	5.0	1	04/23/18 12:08	04/27/18 19:48	95-48-7	
3&4-Methylphenol(m&p Cresol)	<5.0	ug/L	5.0	1	04/23/18 12:08	04/27/18 19:48		
Naphthalene	<5.0	ug/L	5.0	1	04/23/18 12:08	04/27/18 19:48	91-20-3	
2-Nitroaniline	<5.0	ug/L	5.0	1	04/23/18 12:08	04/27/18 19:48	88-74-4	
3-Nitroaniline	<5.0	ug/L	5.0	1	04/23/18 12:08	04/27/18 19:48	99-09-2	
4-Nitroaniline	<5.0	ug/L	5.0	1	04/23/18 12:08	04/27/18 19:48	100-01-6	
Nitrobenzene	<5.0	ug/L	5.0	1	04/23/18 12:08	04/27/18 19:48	98-95-3	

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ANALYTICAL RESULTS

Project: FORMER COYNE TEXTILE

Pace Project No.: 7048944

Sample: GW- 100	Lab ID: 7048944006	Collected: 04/18/18 11:55	Received: 04/19/18 09:40	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV								
Analytical Method: EPA 8270D Preparation Method: EPA 3510C								
2-Nitrophenol	<5.0	ug/L	5.0	1	04/23/18 12:08	04/27/18 19:48	88-75-5	
4-Nitrophenol	<10.0	ug/L	10.0	1	04/23/18 12:08	04/27/18 19:48	100-02-7	
N-Nitroso-di-n-propylamine	<5.0	ug/L	5.0	1	04/23/18 12:08	04/27/18 19:48	621-64-7	
N-Nitrosodiphenylamine	<5.0	ug/L	5.0	1	04/23/18 12:08	04/27/18 19:48	86-30-6	
2,2'-Oxybis(1-chloropropane)	<5.0	ug/L	5.0	1	04/23/18 12:08	04/27/18 19:48	108-60-1	
Pentachlorophenol	<10.0	ug/L	10.0	1	04/23/18 12:08	04/27/18 19:48	87-86-5	
Phenanthrene	<5.0	ug/L	5.0	1	04/23/18 12:08	04/27/18 19:48	85-01-8	
Phenol	<5.0	ug/L	5.0	1	04/23/18 12:08	04/27/18 19:48	108-95-2	
Pyrene	<5.0	ug/L	5.0	1	04/23/18 12:08	04/27/18 19:48	129-00-0	
2,4,5-Trichlorophenol	<5.0	ug/L	5.0	1	04/23/18 12:08	04/27/18 19:48	95-95-4	
2,4,6-Trichlorophenol	<5.0	ug/L	5.0	1	04/23/18 12:08	04/27/18 19:48	88-06-2	
Surrogates								
Nitrobenzene-d5 (S)	50	%	35-114	1	04/23/18 12:08	04/27/18 19:48	4165-60-0	
2-Fluorobiphenyl (S)	53	%	43-116	1	04/23/18 12:08	04/27/18 19:48	321-60-8	
p-Terphenyl-d14 (S)	63	%	33-141	1	04/23/18 12:08	04/27/18 19:48	1718-51-0	
Phenol-d5 (S)	21	%	10-110	1	04/23/18 12:08	04/27/18 19:48	4165-62-2	
2-Fluorophenol (S)	29	%	21-110	1	04/23/18 12:08	04/27/18 19:48	367-12-4	
2,4,6-Tribromophenol (S)	65	%	10-123	1	04/23/18 12:08	04/27/18 19:48	118-79-6	
2-Chlorophenol-d4 (S)	45	%	33-110	1	04/23/18 12:08	04/27/18 19:48	93951-73-6	
1,2-Dichlorobenzene-d4 (S)	41	%	16-110	1	04/23/18 12:08	04/27/18 19:48	2199-69-1	
8260C Volatile Organics								
Analytical Method: EPA 8260C/5030C								
1,1,1-Trichloroethane	<1.0	ug/L	1.0	1		04/20/18 20:43	71-55-6	
1,1,2,2-Tetrachloroethane	<1.0	ug/L	1.0	1		04/20/18 20:43	79-34-5	
1,1,2-Trichloroethane	<1.0	ug/L	1.0	1		04/20/18 20:43	79-00-5	
1,1,2-Trichlorotrifluoroethane	<1.0	ug/L	1.0	1		04/20/18 20:43	76-13-1	
1,1-Dichloroethane	<1.0	ug/L	1.0	1		04/20/18 20:43	75-34-3	L2,M0
1,1-Dichloroethene	<1.0	ug/L	1.0	1		04/20/18 20:43	75-35-4	
1,2,4-Trichlorobenzene	<1.0	ug/L	1.0	1		04/20/18 20:43	120-82-1	
1,2-Dibromo-3-chloropropane	<1.0	ug/L	1.0	1		04/20/18 20:43	96-12-8	
1,2-Dibromoethane (EDB)	<1.0	ug/L	1.0	1		04/20/18 20:43	106-93-4	
1,2-Dichlorobenzene	<1.0	ug/L	1.0	1		04/20/18 20:43	95-50-1	
1,2-Dichloroethane	<1.0	ug/L	1.0	1		04/20/18 20:43	107-06-2	
1,2-Dichloropropane	<1.0	ug/L	1.0	1		04/20/18 20:43	78-87-5	
1,3-Dichlorobenzene	<1.0	ug/L	1.0	1		04/20/18 20:43	541-73-1	
1,4-Dichlorobenzene	<1.0	ug/L	1.0	1		04/20/18 20:43	106-46-7	
2-Butanone (MEK)	<5.0	ug/L	5.0	1		04/20/18 20:43	78-93-3	
2-Hexanone	<5.0	ug/L	5.0	1		04/20/18 20:43	591-78-6	
4-Methyl-2-pentanone (MIBK)	<5.0	ug/L	5.0	1		04/20/18 20:43	108-10-1	
Acetone	13.4	ug/L	5.0	1		04/20/18 20:43	67-64-1	CL
Benzene	<1.0	ug/L	1.0	1		04/20/18 20:43	71-43-2	
Bromodichloromethane	<1.0	ug/L	1.0	1		04/20/18 20:43	75-27-4	
Bromoform	<1.0	ug/L	1.0	1		04/20/18 20:43	75-25-2	
Bromomethane	<1.0	ug/L	1.0	1		04/20/18 20:43	74-83-9	M1
Carbon disulfide	<1.0	ug/L	1.0	1		04/20/18 20:43	75-15-0	
Carbon tetrachloride	<1.0	ug/L	1.0	1		04/20/18 20:43	56-23-5	
Chlorobenzene	<1.0	ug/L	1.0	1		04/20/18 20:43	108-90-7	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: FORMER COYNE TEXTILE

Pace Project No.: 7048944

Sample: GW- 100	Lab ID: 7048944006	Collected: 04/18/18 11:55	Received: 04/19/18 09:40	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260C Volatile Organics		Analytical Method: EPA 8260C/5030C						
Chloroethane	<1.0	ug/L	1.0	1		04/20/18 20:43	75-00-3	
Chloroform	<1.0	ug/L	1.0	1		04/20/18 20:43	67-66-3	
Chloromethane	<1.0	ug/L	1.0	1		04/20/18 20:43	74-87-3	
Cyclohexane	<1.0	ug/L	1.0	1		04/20/18 20:43	110-82-7	CL
Dibromochloromethane	<1.0	ug/L	1.0	1		04/20/18 20:43	124-48-1	
Dichlorodifluoromethane	<1.0	ug/L	1.0	1		04/20/18 20:43	75-71-8	CL
Ethylbenzene	<1.0	ug/L	1.0	1		04/20/18 20:43	100-41-4	
Isopropylbenzene (Cumene)	<1.0	ug/L	1.0	1		04/20/18 20:43	98-82-8	
Methyl acetate	<1.0	ug/L	1.0	1		04/20/18 20:43	79-20-9	CL
Methyl-tert-butyl ether	<1.0	ug/L	1.0	1		04/20/18 20:43	1634-04-4	
Methylcyclohexane	<1.0	ug/L	1.0	1		04/20/18 20:43	108-87-2	
Methylene Chloride	<1.0	ug/L	1.0	1		04/20/18 20:43	75-09-2	
Styrene	<1.0	ug/L	1.0	1		04/20/18 20:43	100-42-5	
Tetrachloroethene	<1.0	ug/L	1.0	1		04/20/18 20:43	127-18-4	
Toluene	<1.0	ug/L	1.0	1		04/20/18 20:43	108-88-3	
Trichloroethene	<1.0	ug/L	1.0	1		04/20/18 20:43	79-01-6	
Trichlorofluoromethane	<1.0	ug/L	1.0	1		04/20/18 20:43	75-69-4	
Vinyl chloride	<1.0	ug/L	1.0	1		04/20/18 20:43	75-01-4	CL
Xylene (Total)	<3.0	ug/L	3.0	1		04/20/18 20:43	1330-20-7	
cis-1,2-Dichloroethene	<1.0	ug/L	1.0	1		04/20/18 20:43	156-59-2	
cis-1,3-Dichloropropene	<1.0	ug/L	1.0	1		04/20/18 20:43	10061-01-5	
trans-1,2-Dichloroethene	<1.0	ug/L	1.0	1		04/20/18 20:43	156-60-5	
trans-1,3-Dichloropropene	<1.0	ug/L	1.0	1		04/20/18 20:43	10061-02-6	
Surrogates								
1,2-Dichloroethane-d4 (S)	91	%	68-153	1		04/20/18 20:43	17060-07-0	
4-Bromofluorobenzene (S)	101	%	79-124	1		04/20/18 20:43	460-00-4	
Toluene-d8 (S)	103	%	69-124	1		04/20/18 20:43	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: FORMER COYNE TEXTILE

Pace Project No.: 7048944

QC Batch: 64392

Analysis Method: EPA 7470A

QC Batch Method: EPA 7470A

Analysis Description: 7470 Mercury

Associated Lab Samples: 7048944001, 7048944002, 7048944003, 7048944004, 7048944005, 7048944006

METHOD BLANK: 295553

Matrix: Water

Associated Lab Samples: 7048944001, 7048944002, 7048944003, 7048944004, 7048944005, 7048944006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury	ug/L	<0.20	0.20	04/25/18 12:43	

LABORATORY CONTROL SAMPLE: 295554

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	1	1.1	109	80-120	

MATRIX SPIKE SAMPLE: 295555

Parameter	Units	7048944006 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	<0.20	1	1.2	107	75-125	

SAMPLE DUPLICATE: 295556

Parameter	Units	7048944006 Result	Dup Result	RPD	Qualifiers
Mercury	ug/L	<0.20	<0.20		

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QUALITY CONTROL DATA

Project: FORMER COYNE TEXTILE

Pace Project No.: 7048944

QC Batch: 64388

Analysis Method: EPA 200.7

QC Batch Method: EPA 200.7

Analysis Description: 200.7 Metals, Total

Associated Lab Samples: 7048944001, 7048944002, 7048944003, 7048944004, 7048944005

METHOD BLANK: 295533

Matrix: Water

Associated Lab Samples: 7048944001, 7048944002, 7048944003, 7048944004, 7048944005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Aluminum	ug/L	<200	200	04/22/18 11:06	
Antimony	ug/L	<60.0	60.0	04/22/18 11:06	
Arsenic	ug/L	<10.0	10.0	04/22/18 11:06	
Barium	ug/L	<200	200	04/22/18 11:06	
Beryllium	ug/L	<5.0	5.0	04/22/18 11:06	
Cadmium	ug/L	<2.5	2.5	04/22/18 11:06	
Calcium	ug/L	<1000	1000	04/22/18 11:06	
Chromium	ug/L	<10.0	10.0	04/22/18 11:06	
Cobalt	ug/L	<50.0	50.0	04/22/18 11:06	
Copper	ug/L	<25.0	25.0	04/22/18 11:06	
Iron	ug/L	<20.0	20.0	04/22/18 11:06	
Lead	ug/L	<5.0	5.0	04/22/18 11:06	
Magnesium	ug/L	<1000	1000	04/22/18 11:06	
Manganese	ug/L	<10.0	10.0	04/22/18 11:06	
Nickel	ug/L	<40.0	40.0	04/22/18 11:06	
Potassium	ug/L	<5000	5000	04/22/18 11:06	
Selenium	ug/L	<10.0	10.0	04/22/18 11:06	
Silver	ug/L	<10.0	10.0	04/22/18 11:06	
Sodium	ug/L	<5000	5000	04/22/18 11:06	
Thallium	ug/L	<10.0	10.0	04/22/18 11:06	
Vanadium	ug/L	<50.0	50.0	04/22/18 11:06	
Zinc	ug/L	<20.0	20.0	04/22/18 11:06	

LABORATORY CONTROL SAMPLE: 295534

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Aluminum	ug/L	5000	4650	93	85-115	
Antimony	ug/L	750	713	95	85-115	
Arsenic	ug/L	500	487	97	85-115	
Barium	ug/L	500	482	96	85-115	
Beryllium	ug/L	50	49.1	98	85-115	
Cadmium	ug/L	50	48.6	97	85-115	
Calcium	ug/L	25000	24100	96	85-115	
Chromium	ug/L	250	242	97	85-115	
Cobalt	ug/L	500	497	99	85-115	
Copper	ug/L	250	244	98	85-115	
Iron	ug/L	2000	1900	95	85-115	
Lead	ug/L	500	490	98	85-115	
Magnesium	ug/L	25000	23700	95	85-115	
Manganese	ug/L	250	245	98	85-115	

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QUALITY CONTROL DATA

Project: FORMER COYNE TEXTILE

Pace Project No.: 7048944

LABORATORY CONTROL SAMPLE: 295534

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nickel	ug/L	250	249	100	85-115	
Potassium	ug/L	50000	47300	95	85-115	
Selenium	ug/L	750	733	98	85-115	
Silver	ug/L	250	231	93	85-115	
Sodium	ug/L	50000	49000	98	85-115	
Thallium	ug/L	750	746	99	85-115	
Vanadium	ug/L	500	470	94	85-115	
Zinc	ug/L	1000	973	97	85-115	

MATRIX SPIKE SAMPLE: 295536

Parameter	Units	7048906001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Aluminum	ug/L	2750	5000	10100	146	70-130	M1
Antimony	ug/L	<60.0	750	698	93	70-130	
Arsenic	ug/L	<10.0	500	465	92	70-130	
Barium	ug/L	<200	500	534	94	70-130	
Beryllium	ug/L	<5.0	50	47.5	95	70-130	
Cadmium	ug/L	<2.5	50	45.6	91	70-130	
Calcium	ug/L	66800	25000	89900	92	70-130	
Chromium	ug/L	<10.0	250	236	93	70-130	
Cobalt	ug/L	<50.0	500	474	94	70-130	
Copper	ug/L	<25.0	250	239	94	70-130	
Iron	ug/L	3290	2000	6410	156	70-130	M1
Lead	ug/L	<5.0	500	462	92	70-130	
Magnesium	ug/L	12500	25000	35800	93	70-130	
Manganese	ug/L	533	250	770	95	70-130	
Nickel	ug/L	<40.0	250	241	94	70-130	
Potassium	ug/L	<5000	50000	49000	90	70-130	
Selenium	ug/L	<10.0	750	688	92	70-130	
Silver	ug/L	<10.0	250	104	42	70-130	M1
Sodium	ug/L	9410	50000	56400	94	70-130	
Thallium	ug/L	<10.0	750	717	96	70-130	
Vanadium	ug/L	<50.0	500	462	92	70-130	
Zinc	ug/L	<20.0	1000	950	93	70-130	

MATRIX SPIKE SAMPLE: 295538

Parameter	Units	7048906003 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Aluminum	ug/L	5820	5000	18800	259	70-130	M1
Antimony	ug/L	<60.0	750	697	93	70-130	
Arsenic	ug/L	<10.0	500	474	93	70-130	
Barium	ug/L	<200	500	600	98	70-130	
Beryllium	ug/L	<5.0	50	48.3	96	70-130	
Cadmium	ug/L	<2.5	50	45.9	92	70-130	

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QUALITY CONTROL DATA

Project: FORMER COYNE TEXTILE

Pace Project No.: 7048944

MATRIX SPIKE SAMPLE: 295538		7048906003	Spike	MS	MS	% Rec	
Parameter	Units	Result	Conc.	Result	% Rec	Limits	Qualifiers
Calcium	ug/L	35400	25000	58800	93	70-130	
Chromium	ug/L	<10.0	250	241	96	70-130	
Cobalt	ug/L	<50.0	500	484	96	70-130	
Copper	ug/L	<25.0	250	254	95	70-130	
Iron	ug/L	9420	2000	16400	348	70-130	M1
Lead	ug/L	13.0	500	484	94	70-130	
Magnesium	ug/L	7680	25000	32000	97	70-130	
Manganese	ug/L	546	250	794	99	70-130	
Nickel	ug/L	<40.0	250	252	97	70-130	
Potassium	ug/L	<5000	50000	48800	93	70-130	
Selenium	ug/L	<10.0	750	694	93	70-130	
Silver	ug/L	<10.0	250	164	66	70-130	M1
Sodium	ug/L	14400	50000	62000	95	70-130	
Thallium	ug/L	<10.0	750	724	97	70-130	
Vanadium	ug/L	<50.0	500	477	94	70-130	
Zinc	ug/L	44.2	1000	997	95	70-130	

SAMPLE DUPLICATE: 295535

Parameter	Units	7048906001	Dup	RPD	Qualifiers
		Result	Result		
Aluminum	ug/L	2750	3180	15	
Antimony	ug/L	<60.0	<60.0		
Arsenic	ug/L	<10.0	<10.0		
Barium	ug/L	<200	<200		
Beryllium	ug/L	<5.0	<5.0		
Cadmium	ug/L	<2.5	<2.5		
Calcium	ug/L	66800	68300	2	
Chromium	ug/L	<10.0	<10.0		
Cobalt	ug/L	<50.0	<50.0		
Copper	ug/L	<25.0	<25.0		
Iron	ug/L	3290	3770	14	
Lead	ug/L	<5.0	<5.0		
Magnesium	ug/L	12500	12800	2	
Manganese	ug/L	533	559	5	
Nickel	ug/L	<40.0	<40.0		
Potassium	ug/L	<5000	<5000		
Selenium	ug/L	<10.0	<10.0		
Silver	ug/L	<10.0	<10.0		
Sodium	ug/L	9410	9490	1	
Thallium	ug/L	<10.0	<10.0		
Vanadium	ug/L	<50.0	<50.0		
Zinc	ug/L	<20.0	20.6		

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QUALITY CONTROL DATA

Project: FORMER COYNE TEXTILE

Pace Project No.: 7048944

SAMPLE DUPLICATE: 295537

Parameter	Units	7048906003 Result	Dup Result	RPD	Qualifiers
Aluminum	ug/L	5820	7730	28	D6
Antimony	ug/L	<60.0	<60.0		
Arsenic	ug/L	<10.0	<10.0		
Barium	ug/L	<200	<200		
Beryllium	ug/L	<5.0	<5.0		
Cadmium	ug/L	<2.5	<2.5		
Calcium	ug/L	35400	37200	5	
Chromium	ug/L	<10.0	<10.0		
Cobalt	ug/L	<50.0	<50.0		
Copper	ug/L	<25.0	<25.0		
Iron	ug/L	9420	12600	29	D6
Lead	ug/L	13.0	14.8	13	
Magnesium	ug/L	7680	8500	10	
Manganese	ug/L	546	591	8	
Nickel	ug/L	<40.0	<40.0		
Potassium	ug/L	<5000	<5000		
Selenium	ug/L	<10.0	<10.0		
Silver	ug/L	<10.0	<10.0		
Sodium	ug/L	14400	14900	3	
Thallium	ug/L	<10.0	<10.0		
Vanadium	ug/L	<50.0	<50.0		
Zinc	ug/L	44.2	53.1	18	

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QUALITY CONTROL DATA

Project: FORMER COYNE TEXTILE
Pace Project No.: 7048944

QC Batch: 64389 Analysis Method: EPA 200.7
QC Batch Method: EPA 200.7 Analysis Description: 200.7 Metals, Total
Associated Lab Samples: 7048944006

METHOD BLANK: 295539 Matrix: Water
Associated Lab Samples: 7048944006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Aluminum	ug/L	<200	200	04/22/18 16:59	
Antimony	ug/L	<60.0	60.0	04/22/18 16:59	
Arsenic	ug/L	<10.0	10.0	04/22/18 16:59	
Barium	ug/L	<200	200	04/22/18 16:59	
Beryllium	ug/L	<5.0	5.0	04/22/18 16:59	
Cadmium	ug/L	<2.5	2.5	04/22/18 16:59	
Calcium	ug/L	<1000	1000	04/22/18 16:59	
Chromium	ug/L	<10.0	10.0	04/22/18 16:59	
Cobalt	ug/L	<50.0	50.0	04/22/18 16:59	
Copper	ug/L	<25.0	25.0	04/22/18 16:59	
Iron	ug/L	<20.0	20.0	04/22/18 16:59	
Lead	ug/L	<5.0	5.0	04/22/18 16:59	
Magnesium	ug/L	<1000	1000	04/22/18 16:59	
Manganese	ug/L	<10.0	10.0	04/22/18 16:59	
Nickel	ug/L	<40.0	40.0	04/22/18 16:59	
Potassium	ug/L	<5000	5000	04/22/18 16:59	
Selenium	ug/L	<10.0	10.0	04/22/18 16:59	
Silver	ug/L	<10.0	10.0	04/22/18 16:59	
Sodium	ug/L	<5000	5000	04/22/18 16:59	
Thallium	ug/L	<10.0	10.0	04/22/18 16:59	
Vanadium	ug/L	<50.0	50.0	04/22/18 16:59	
Zinc	ug/L	<20.0	20.0	04/22/18 16:59	

LABORATORY CONTROL SAMPLE: 295540

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Aluminum	ug/L	5000	5050	101	85-115	
Antimony	ug/L	750	734	98	85-115	
Arsenic	ug/L	500	500	100	85-115	
Barium	ug/L	500	489	98	85-115	
Beryllium	ug/L	50	48.6	97	85-115	
Cadmium	ug/L	50	49.5	99	85-115	
Calcium	ug/L	25000	24500	98	85-115	
Chromium	ug/L	250	252	101	85-115	
Cobalt	ug/L	500	512	102	85-115	
Copper	ug/L	250	250	100	85-115	
Iron	ug/L	2000	1990	100	85-115	
Lead	ug/L	500	494	99	85-115	
Magnesium	ug/L	25000	24200	97	85-115	
Manganese	ug/L	250	242	97	85-115	

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QUALITY CONTROL DATA

Project: FORMER COYNE TEXTILE

Pace Project No.: 7048944

LABORATORY CONTROL SAMPLE: 295540

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nickel	ug/L	250	253	101	85-115	
Potassium	ug/L	50000	48600	97	85-115	
Selenium	ug/L	750	756	101	85-115	
Silver	ug/L	250	240	96	85-115	
Sodium	ug/L	50000	50500	101	85-115	
Thallium	ug/L	750	764	102	85-115	
Vanadium	ug/L	500	482	96	85-115	
Zinc	ug/L	1000	994	99	85-115	

MATRIX SPIKE SAMPLE: 295542

Parameter	Units	7048944006 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Aluminum	ug/L	7500	5000	19000	229	70-130	M1
Antimony	ug/L	<60.0	750	733	98	70-130	
Arsenic	ug/L	<10.0	500	505	100	70-130	
Barium	ug/L	<200	500	610	97	70-130	
Beryllium	ug/L	<5.0	50	48.6	95	70-130	
Cadmium	ug/L	<2.5	50	46.3	93	70-130	
Calcium	ug/L	178000	25000	194000	62	70-130	M1
Chromium	ug/L	52.8	250	305	101	70-130	
Cobalt	ug/L	<50.0	500	494	97	70-130	
Copper	ug/L	131	250	363	93	70-130	
Iron	ug/L	12100	2000	15900	188	70-130	M1
Lead	ug/L	13.7	500	485	94	70-130	
Magnesium	ug/L	60300	25000	82300	88	70-130	
Manganese	ug/L	417	250	664	99	70-130	
Nickel	ug/L	<40.0	250	277	97	70-130	
Potassium	ug/L	9230	50000	59300	100	70-130	
Selenium	ug/L	<10.0	750	753	100	70-130	
Silver	ug/L	<10.0	250	184	74	70-130	
Sodium	ug/L	102000	50000	149000	95	70-130	
Thallium	ug/L	<10.0	750	730	97	70-130	
Vanadium	ug/L	<50.0	500	502	98	70-130	
Zinc	ug/L	65.6	1000	1030	97	70-130	

SAMPLE DUPLICATE: 295541

Parameter	Units	7048944006 Result	Dup Result	RPD	Qualifiers
Aluminum	ug/L	7500	7440	1	
Antimony	ug/L	<60.0	<60.0		
Arsenic	ug/L	<10.0	<10.0		
Barium	ug/L	<200	<200		
Beryllium	ug/L	<5.0	<5.0		
Cadmium	ug/L	<2.5	<2.5		

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QUALITY CONTROL DATA

Project: FORMER COYNE TEXTILE

Pace Project No.: 7048944

SAMPLE DUPLICATE: 295541

Parameter	Units	7048944006 Result	Dup Result	RPD	Qualifiers
Calcium	ug/L	178000	172000	4	
Chromium	ug/L	52.8	52.6	0	
Cobalt	ug/L	<50.0	<50.0		
Copper	ug/L	131	129	1	
Iron	ug/L	12100	12900	6	
Lead	ug/L	13.7	13.8	1	
Magnesium	ug/L	60300	58900	2	
Manganese	ug/L	417	411	1	
Nickel	ug/L	<40.0	<40.0		
Potassium	ug/L	9230	8720	6	
Selenium	ug/L	<10.0	<10.0		
Silver	ug/L	<10.0	<10.0		
Sodium	ug/L	102000	104000	2	
Thallium	ug/L	<10.0	<10.0		
Vanadium	ug/L	<50.0	<50.0		
Zinc	ug/L	65.6	64.6	1	

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QUALITY CONTROL DATA

Project: FORMER COYNE TEXTILE

Pace Project No.: 7048944

QC Batch: 64369 Analysis Method: EPA 8260C/5030C
 QC Batch Method: EPA 8260C/5030C Analysis Description: 8260 MSV
 Associated Lab Samples: 7048944001, 7048944002, 7048944003, 7048944004, 7048944005, 7048944006

METHOD BLANK: 295446 Matrix: Water
 Associated Lab Samples: 7048944001, 7048944002, 7048944003, 7048944004, 7048944005, 7048944006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/L	<1.0	1.0	04/20/18 14:12	
1,1,2,2-Tetrachloroethane	ug/L	<1.0	1.0	04/20/18 14:12	
1,1,2-Trichloroethane	ug/L	<1.0	1.0	04/20/18 14:12	
1,1,2-Trichlorotrifluoroethane	ug/L	<1.0	1.0	04/20/18 14:12	
1,1-Dichloroethane	ug/L	<1.0	1.0	04/20/18 14:12	
1,1-Dichloroethene	ug/L	<1.0	1.0	04/20/18 14:12	
1,2,4-Trichlorobenzene	ug/L	<1.0	1.0	04/20/18 14:12	
1,2-Dibromo-3-chloropropane	ug/L	<1.0	1.0	04/20/18 14:12	
1,2-Dibromoethane (EDB)	ug/L	<1.0	1.0	04/20/18 14:12	
1,2-Dichlorobenzene	ug/L	<1.0	1.0	04/20/18 14:12	
1,2-Dichloroethane	ug/L	<1.0	1.0	04/20/18 14:12	
1,2-Dichloropropane	ug/L	<1.0	1.0	04/20/18 14:12	
1,3-Dichlorobenzene	ug/L	<1.0	1.0	04/20/18 14:12	
1,4-Dichlorobenzene	ug/L	<1.0	1.0	04/20/18 14:12	
2-Butanone (MEK)	ug/L	<5.0	5.0	04/20/18 14:12	
2-Hexanone	ug/L	<5.0	5.0	04/20/18 14:12	
4-Methyl-2-pentanone (MIBK)	ug/L	<5.0	5.0	04/20/18 14:12	
Acetone	ug/L	<5.0	5.0	04/20/18 14:12	CL
Benzene	ug/L	<1.0	1.0	04/20/18 14:12	
Bromodichloromethane	ug/L	<1.0	1.0	04/20/18 14:12	
Bromoform	ug/L	<1.0	1.0	04/20/18 14:12	
Bromomethane	ug/L	<1.0	1.0	04/20/18 14:12	
Carbon disulfide	ug/L	<1.0	1.0	04/20/18 14:12	
Carbon tetrachloride	ug/L	<1.0	1.0	04/20/18 14:12	
Chlorobenzene	ug/L	<1.0	1.0	04/20/18 14:12	
Chloroethane	ug/L	<1.0	1.0	04/20/18 14:12	
Chloroform	ug/L	<1.0	1.0	04/20/18 14:12	
Chloromethane	ug/L	<1.0	1.0	04/20/18 14:12	
cis-1,2-Dichloroethene	ug/L	<1.0	1.0	04/20/18 14:12	
cis-1,3-Dichloropropene	ug/L	<1.0	1.0	04/20/18 14:12	
Cyclohexane	ug/L	<1.0	1.0	04/20/18 14:12	CL
Dibromochloromethane	ug/L	<1.0	1.0	04/20/18 14:12	
Dichlorodifluoromethane	ug/L	<1.0	1.0	04/20/18 14:12	CL
Ethylbenzene	ug/L	<1.0	1.0	04/20/18 14:12	
Isopropylbenzene (Cumene)	ug/L	<1.0	1.0	04/20/18 14:12	
Methyl acetate	ug/L	<1.0	1.0	04/20/18 14:12	CL
Methyl-tert-butyl ether	ug/L	<1.0	1.0	04/20/18 14:12	
Methylcyclohexane	ug/L	<1.0	1.0	04/20/18 14:12	
Methylene Chloride	ug/L	<1.0	1.0	04/20/18 14:12	
Styrene	ug/L	<1.0	1.0	04/20/18 14:12	
Tetrachloroethene	ug/L	<1.0	1.0	04/20/18 14:12	

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QUALITY CONTROL DATA

Project: FORMER COYNE TEXTILE

Pace Project No.: 7048944

METHOD BLANK: 295446

Matrix: Water

Associated Lab Samples: 7048944001, 7048944002, 7048944003, 7048944004, 7048944005, 7048944006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Toluene	ug/L	<1.0	1.0	04/20/18 14:12	
trans-1,2-Dichloroethene	ug/L	<1.0	1.0	04/20/18 14:12	
trans-1,3-Dichloropropene	ug/L	<1.0	1.0	04/20/18 14:12	
Trichloroethene	ug/L	<1.0	1.0	04/20/18 14:12	
Trichlorofluoromethane	ug/L	<1.0	1.0	04/20/18 14:12	
Vinyl chloride	ug/L	<1.0	1.0	04/20/18 14:12	CL
Xylene (Total)	ug/L	<3.0	3.0	04/20/18 14:12	
1,2-Dichloroethane-d4 (S)	%	90	68-153	04/20/18 14:12	
4-Bromofluorobenzene (S)	%	101	79-124	04/20/18 14:12	
Toluene-d8 (S)	%	104	69-124	04/20/18 14:12	

LABORATORY CONTROL SAMPLE: 295447

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	50	39.7	79	65-118	
1,1,2,2-Tetrachloroethane	ug/L	50	45.5	91	74-121	
1,1,2-Trichloroethane	ug/L	50	43.5	87	80-117	
1,1,2-Trichlorotrifluoroethane	ug/L	50	36.2	72	60-140	
1,1-Dichloroethane	ug/L	50	37.0	74	83-151	L2
1,1-Dichloroethene	ug/L	50	38.4	77	45-146	
1,2,4-Trichlorobenzene	ug/L	50	54.4	109	66-116	
1,2-Dibromo-3-chloropropane	ug/L	50	41.8	84	74-119	
1,2-Dibromoethane (EDB)	ug/L	50	47.8	96	83-115	
1,2-Dichlorobenzene	ug/L	50	46.9	94	74-113	
1,2-Dichloroethane	ug/L	50	39.0	78	74-129	
1,2-Dichloropropane	ug/L	50	38.6	77	75-117	
1,3-Dichlorobenzene	ug/L	50	47.2	94	71-112	
1,4-Dichlorobenzene	ug/L	50	47.3	95	71-113	
2-Butanone (MEK)	ug/L	50	37.2	74	44-162	
2-Hexanone	ug/L	50	44.8	90	32-183	
4-Methyl-2-pentanone (MIBK)	ug/L	50	39.5	79	69-132	
Acetone	ug/L	50	29.0	58	23-188	CL
Benzene	ug/L	50	40.4	81	73-119	
Bromodichloromethane	ug/L	50	41.8	84	78-117	
Bromoform	ug/L	50	42.0	84	65-122	
Bromomethane	ug/L	50	38.9	78	52-147	
Carbon disulfide	ug/L	50	36.3	73	41-144	
Carbon tetrachloride	ug/L	50	43.7	87	59-120	
Chlorobenzene	ug/L	50	48.2	96	75-113	
Chloroethane	ug/L	50	37.7	75	49-151	
Chloroform	ug/L	50	38.0	76	72-122	
Chloromethane	ug/L	50	37.2	74	46-144	
cis-1,2-Dichloroethene	ug/L	50	40.0	80	72-121	
cis-1,3-Dichloropropene	ug/L	50	46.7	93	78-116	

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QUALITY CONTROL DATA

Project: FORMER COYNE TEXTILE

Pace Project No.: 7048944

LABORATORY CONTROL SAMPLE: 295447

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Cyclohexane	ug/L	50	32.6	65	43-143	CL
Dibromochloromethane	ug/L	50	51.4	103	70-120	
Dichlorodifluoromethane	ug/L	50	27.6	55	22-154	CL
Ethylbenzene	ug/L	50	46.8	94	70-113	
Isopropylbenzene (Cumene)	ug/L	50	44.9	90	67-115	
Methyl acetate	ug/L	50	31.3	63	60-140	CL
Methyl-tert-butyl ether	ug/L	50	42.1	84	72-131	
Methylcyclohexane	ug/L	50	38.0	76	60-140	
Methylene Chloride	ug/L	50	38.2	76	61-142	
Styrene	ug/L	50	50.8	102	72-118	
Tetrachloroethene	ug/L	50	47.2	94	60-128	
Toluene	ug/L	50	41.0	82	72-119	
trans-1,2-Dichloroethene	ug/L	50	38.7	77	56-142	
trans-1,3-Dichloropropene	ug/L	50	44.7	89	79-116	
Trichloroethene	ug/L	50	40.1	80	69-117	
Trichlorofluoromethane	ug/L	50	37.2	74	27-173	
Vinyl chloride	ug/L	50	32.5	65	43-143	CL
Xylene (Total)	ug/L	150	143	95	71-109	
1,2-Dichloroethane-d4 (S)	%			87	68-153	
4-Bromofluorobenzene (S)	%			102	79-124	
Toluene-d8 (S)	%			106	69-124	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 295667 295668

Parameter	Units	7048944006		MS	MSD	MS	MSD	MS	MSD	% Rec	RPD	Qual
		Result	Conc.	Spike Conc.	Spike Conc.							
1,1,1-Trichloroethane	ug/L	<1.0	50	50	43.3	44.8	87	90	65-118	3		
1,1,2,2-Tetrachloroethane	ug/L	<1.0	50	50	44.7	44.3	89	89	74-121	1		
1,1,2-Trichloroethane	ug/L	<1.0	50	50	42.9	43.2	86	86	80-117	1		
1,1,2-Trichlorotrifluoroethane	ug/L	<1.0	50	50	42.3	42.0	85	84	60-140	1		
1,1-Dichloroethane	ug/L	<1.0	50	50	39.8	40.3	80	81	83-151	1	M0	
1,1-Dichloroethene	ug/L	<1.0	50	50	42.7	43.8	85	88	45-146	2		
1,2,4-Trichlorobenzene	ug/L	<1.0	50	50	50.0	48.2	100	96	66-116	4		
1,2-Dibromo-3-chloropropane	ug/L	<1.0	50	50	40.6	38.7	81	77	74-119	5		
1,2-Dibromoethane (EDB)	ug/L	<1.0	50	50	46.3	47.1	93	94	83-115	2		
1,2-Dichlorobenzene	ug/L	<1.0	50	50	45.5	45.0	91	90	74-113	1		
1,2-Dichloroethane	ug/L	<1.0	50	50	39.1	39.4	78	79	74-129	1		
1,2-Dichloropropane	ug/L	<1.0	50	50	40.1	40.6	80	81	75-117	1		
1,3-Dichlorobenzene	ug/L	<1.0	50	50	46.0	46.1	92	92	71-112	0		
1,4-Dichlorobenzene	ug/L	<1.0	50	50	46.1	45.9	92	92	71-113	0		
2-Butanone (MEK)	ug/L	<5.0	50	50	37.3	36.6	75	73	44-162	2		
2-Hexanone	ug/L	<5.0	50	50	40.2	41.6	80	83	32-183	3		
4-Methyl-2-pentanone (MIBK)	ug/L	<5.0	50	50	38.7	39.5	77	79	69-132	2		
Acetone	ug/L	13.4	50	50	37.2	38.4	48	50	23-188	3	CL	
Benzene	ug/L	<1.0	50	50	43.0	44.1	86	88	73-119	3		

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QUALITY CONTROL DATA

Project: FORMER COYNE TEXTILE

Pace Project No.: 7048944

Parameter	7048944006		MS		MSD		MS		MSD		% Rec	Limits	RPD	Qual
	Units	Result	Spike Conc.	Spike Conc.	Result	Result	% Rec	% Rec						
Bromodichloromethane	ug/L	<1.0	50	50	40.9	42.1	82	84	78-117	3				
Bromoform	ug/L	<1.0	50	50	34.7	34.5	69	69	65-122	1				
Bromomethane	ug/L	<1.0	50	50	24.0	29.3	48	59	52-147	20	M1			
Carbon disulfide	ug/L	<1.0	50	50	39.4	39.8	79	80	41-144	1				
Carbon tetrachloride	ug/L	<1.0	50	50	48.8	50.4	98	101	59-120	3				
Chlorobenzene	ug/L	<1.0	50	50	46.4	47.7	93	95	75-113	3				
Chloroethane	ug/L	<1.0	50	50	37.5	37.4	75	75	49-151	0				
Chloroform	ug/L	<1.0	50	50	41.2	41.4	82	83	72-122	0				
Chloromethane	ug/L	<1.0	50	50	30.0	27.7	60	55	46-144	8				
cis-1,2-Dichloroethene	ug/L	<1.0	50	50	43.0	42.8	86	86	72-121	1				
cis-1,3-Dichloropropene	ug/L	<1.0	50	50	44.4	45.4	89	91	78-116	2				
Cyclohexane	ug/L	<1.0	50	50	40.9	40.9	82	82	43-143	0	CL			
Dibromochloromethane	ug/L	<1.0	50	50	45.1	46.5	90	93	70-120	3				
Dichlorodifluoromethane	ug/L	<1.0	50	50	18.0	17.5	36	35	22-154	3	CL			
Ethylbenzene	ug/L	<1.0	50	50	47.5	48.7	95	97	70-113	2				
Isopropylbenzene (Cumene)	ug/L	<1.0	50	50	49.5	49.1	99	98	67-115	1				
Methyl acetate	ug/L	<1.0	50	50	32.1	31.7	64	63	60-140	1	CL			
Methyl-tert-butyl ether	ug/L	<1.0	50	50	42.3	42.0	85	84	72-131	1				
Methylcyclohexane	ug/L	<1.0	50	50	45.6	45.8	91	92	60-140	0				
Methylene Chloride	ug/L	<1.0	50	50	39.8	39.8	80	80	61-142	0				
Styrene	ug/L	<1.0	50	50	49.2	50.8	98	102	72-118	3				
Tetrachloroethene	ug/L	<1.0	50	50	48.0	49.4	96	99	60-128	3				
Toluene	ug/L	<1.0	50	50	43.5	44.1	87	88	72-119	1				
trans-1,2-Dichloroethene	ug/L	<1.0	50	50	41.5	42.2	83	84	56-142	2				
trans-1,3-Dichloropropene	ug/L	<1.0	50	50	40.7	41.5	81	83	79-116	2				
Trichloroethene	ug/L	<1.0	50	50	43.2	44.8	86	90	69-117	4				
Trichlorofluoromethane	ug/L	<1.0	50	50	40.7	41.1	81	82	27-173	1				
Vinyl chloride	ug/L	<1.0	50	50	31.5	31.4	63	63	43-143	0	CL			
Xylene (Total)	ug/L	<3.0	150	150	144	148	96	99	71-109	3				
1,2-Dichloroethane-d4 (S)	%						90	86	68-153					
4-Bromofluorobenzene (S)	%						101	103	79-124					
Toluene-d8 (S)	%						103	104	69-124					

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QUALITY CONTROL DATA

Project: FORMER COYNE TEXTILE
Pace Project No.: 7048944

QC Batch: 64445 Analysis Method: EPA 8082A
QC Batch Method: EPA 3510C Analysis Description: 8082 GCS PCB
Associated Lab Samples: 7048944001, 7048944002, 7048944003, 7048944004, 7048944005, 7048944006

METHOD BLANK: 295840 Matrix: Water
Associated Lab Samples: 7048944001, 7048944002, 7048944003, 7048944004, 7048944005, 7048944006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
PCB-1016 (Aroclor 1016)	ug/L	<1.0	1.0	04/23/18 18:44	
PCB-1221 (Aroclor 1221)	ug/L	<2.0	2.0	04/23/18 18:44	
PCB-1232 (Aroclor 1232)	ug/L	<1.0	1.0	04/23/18 18:44	
PCB-1242 (Aroclor 1242)	ug/L	<1.0	1.0	04/23/18 18:44	
PCB-1248 (Aroclor 1248)	ug/L	<1.0	1.0	04/23/18 18:44	
PCB-1254 (Aroclor 1254)	ug/L	<1.0	1.0	04/23/18 18:44	
PCB-1260 (Aroclor 1260)	ug/L	<1.0	1.0	04/23/18 18:44	
Decachlorobiphenyl (S)	%	82	30-150	04/23/18 18:44	
Tetrachloro-m-xylene (S)	%	60	30-150	04/23/18 18:44	

LABORATORY CONTROL SAMPLE: 295841

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
PCB-1016 (Aroclor 1016)	ug/L	5	4.6	93	42-134	
PCB-1260 (Aroclor 1260)	ug/L	5	5.5	109	34-146	
Decachlorobiphenyl (S)	%			77	30-150	
Tetrachloro-m-xylene (S)	%			60	30-150	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 295842 295843

Parameter	Units	7048944006		295843		MS % Rec	MSD % Rec	% Rec Limits	RPD	Qual
		MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result					
PCB-1016 (Aroclor 1016)	ug/L	<1.0	5	5	5.7	5.8	114	116	53-116	2
PCB-1221 (Aroclor 1221)	ug/L	<2.0			<2.0	<2.0				
PCB-1232 (Aroclor 1232)	ug/L	<1.0			<1.0	<1.0				
PCB-1242 (Aroclor 1242)	ug/L	<1.0			<1.0	<1.0				
PCB-1248 (Aroclor 1248)	ug/L	<1.0			<1.0	<1.0				
PCB-1254 (Aroclor 1254)	ug/L	<1.0			<1.0	<1.0				
PCB-1260 (Aroclor 1260)	ug/L	<1.0	5	5	6.3	6.3	125	125	46-126	0
Decachlorobiphenyl (S)	%						87	77	30-150	
Tetrachloro-m-xylene (S)	%						71	78	30-150	

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QUALITY CONTROL DATA

Project: FORMER COYNE TEXTILE

Pace Project No.: 7048944

QC Batch: 64546 Analysis Method: EPA 8270D
 QC Batch Method: EPA 3510C Analysis Description: 8270 Water MSSV
 Associated Lab Samples: 7048944001, 7048944002, 7048944003, 7048944004, 7048944005, 7048944006

METHOD BLANK: 296237 Matrix: Water
 Associated Lab Samples: 7048944001, 7048944002, 7048944003, 7048944004, 7048944005, 7048944006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
2,2'-Oxybis(1-chloropropane)	ug/L	<5.0	5.0	04/27/18 12:43	
2,4,5-Trichlorophenol	ug/L	<5.0	5.0	04/27/18 12:43	
2,4,6-Trichlorophenol	ug/L	<5.0	5.0	04/27/18 12:43	
2,4-Dichlorophenol	ug/L	<5.0	5.0	04/27/18 12:43	
2,4-Dimethylphenol	ug/L	<5.0	5.0	04/27/18 12:43	
2,4-Dinitrophenol	ug/L	<10.0	10.0	04/27/18 12:43	
2,4-Dinitrotoluene	ug/L	<5.0	5.0	04/27/18 12:43	
2,6-Dinitrotoluene	ug/L	<5.0	5.0	04/27/18 12:43	
2-Chloronaphthalene	ug/L	<5.0	5.0	04/27/18 12:43	
2-Chlorophenol	ug/L	<5.0	5.0	04/27/18 12:43	
2-Methylnaphthalene	ug/L	<5.0	5.0	04/27/18 12:43	
2-Methylphenol(o-Cresol)	ug/L	<5.0	5.0	04/27/18 12:43	
2-Nitroaniline	ug/L	<5.0	5.0	04/27/18 12:43	
2-Nitrophenol	ug/L	<5.0	5.0	04/27/18 12:43	
3&4-Methylphenol(m&p Cresol)	ug/L	<5.0	5.0	04/27/18 12:43	
3,3'-Dichlorobenzidine	ug/L	<5.0	5.0	04/27/18 12:43	
3-Nitroaniline	ug/L	<5.0	5.0	04/27/18 12:43	
4,6-Dinitro-2-methylphenol	ug/L	<10.0	10.0	04/27/18 12:43	
4-Bromophenylphenyl ether	ug/L	<5.0	5.0	04/27/18 12:43	
4-Chloro-3-methylphenol	ug/L	<5.0	5.0	04/27/18 12:43	
4-Chloroaniline	ug/L	<5.0	5.0	04/27/18 12:43	
4-Chlorophenylphenyl ether	ug/L	<5.0	5.0	04/27/18 12:43	
4-Nitroaniline	ug/L	<5.0	5.0	04/27/18 12:43	
4-Nitrophenol	ug/L	<10.0	10.0	04/27/18 12:43	
Acenaphthene	ug/L	<5.0	5.0	04/27/18 12:43	
Acenaphthylene	ug/L	<5.0	5.0	04/27/18 12:43	
Acetophenone	ug/L	<5.0	5.0	04/27/18 12:43	
Anthracene	ug/L	<5.0	5.0	04/27/18 12:43	
Atrazine	ug/L	<5.0	5.0	04/27/18 12:43	IC
Benzaldehyde	ug/L	<5.0	5.0	04/27/18 12:43	IC,IL
Benzo(a)anthracene	ug/L	<5.0	5.0	04/27/18 12:43	
Benzo(a)pyrene	ug/L	<5.0	5.0	04/27/18 12:43	
Benzo(b)fluoranthene	ug/L	<5.0	5.0	04/27/18 12:43	
Benzo(g,h,i)perylene	ug/L	<5.0	5.0	04/27/18 12:43	
Benzo(k)fluoranthene	ug/L	<5.0	5.0	04/27/18 12:43	
Biphenyl (Diphenyl)	ug/L	<5.0	5.0	04/27/18 12:43	
bis(2-Chloroethoxy)methane	ug/L	<5.0	5.0	04/27/18 12:43	
bis(2-Chloroethyl) ether	ug/L	<5.0	5.0	04/27/18 12:43	
bis(2-Ethylhexyl)phthalate	ug/L	<5.0	5.0	04/27/18 12:43	
Butylbenzylphthalate	ug/L	<5.0	5.0	04/27/18 12:43	
Caprolactam	ug/L	<5.0	5.0	04/27/18 12:43	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: FORMER COYNE TEXTILE

Pace Project No.: 7048944

METHOD BLANK: 296237

Matrix: Water

Associated Lab Samples: 7048944001, 7048944002, 7048944003, 7048944004, 7048944005, 7048944006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Carbazole	ug/L	<5.0	5.0	04/27/18 12:43	
Chrysene	ug/L	<5.0	5.0	04/27/18 12:43	
Di-n-butylphthalate	ug/L	<5.0	5.0	04/27/18 12:43	
Di-n-octylphthalate	ug/L	<5.0	5.0	04/27/18 12:43	
Dibenz(a,h)anthracene	ug/L	<5.0	5.0	04/27/18 12:43	
Dibenzofuran	ug/L	<5.0	5.0	04/27/18 12:43	
Diethylphthalate	ug/L	<5.0	5.0	04/27/18 12:43	
Dimethylphthalate	ug/L	<5.0	5.0	04/27/18 12:43	
Fluoranthene	ug/L	<5.0	5.0	04/27/18 12:43	
Fluorene	ug/L	<5.0	5.0	04/27/18 12:43	
Hexachloro-1,3-butadiene	ug/L	<5.0	5.0	04/27/18 12:43	
Hexachlorobenzene	ug/L	<5.0	5.0	04/27/18 12:43	
Hexachlorocyclopentadiene	ug/L	<5.0	5.0	04/27/18 12:43	
Hexachloroethane	ug/L	<5.0	5.0	04/27/18 12:43	
Indeno(1,2,3-cd)pyrene	ug/L	<5.0	5.0	04/27/18 12:43	
Isophorone	ug/L	<5.0	5.0	04/27/18 12:43	
N-Nitroso-di-n-propylamine	ug/L	<5.0	5.0	04/27/18 12:43	
N-Nitrosodiphenylamine	ug/L	<5.0	5.0	04/27/18 12:43	
Naphthalene	ug/L	<5.0	5.0	04/27/18 12:43	
Nitrobenzene	ug/L	<5.0	5.0	04/27/18 12:43	
Pentachlorophenol	ug/L	<10.0	10.0	04/27/18 12:43	
Phenanthrene	ug/L	<5.0	5.0	04/27/18 12:43	
Phenol	ug/L	<5.0	5.0	04/27/18 12:43	
Pyrene	ug/L	<5.0	5.0	04/27/18 12:43	
1,2-Dichlorobenzene-d4 (S)	%	36	16-110	04/27/18 12:43	
2,4,6-Tribromophenol (S)	%	53	10-123	04/27/18 12:43	
2-Chlorophenol-d4 (S)	%	45	33-110	04/27/18 12:43	
2-Fluorobiphenyl (S)	%	46	43-116	04/27/18 12:43	
2-Fluorophenol (S)	%	34	21-110	04/27/18 12:43	
Nitrobenzene-d5 (S)	%	49	35-114	04/27/18 12:43	
p-Terphenyl-d14 (S)	%	57	33-141	04/27/18 12:43	
Phenol-d5 (S)	%	23	10-110	04/27/18 12:43	

LABORATORY CONTROL SAMPLE: 296238

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
2,2'-Oxybis(1-chloropropane)	ug/L	50	28.9	58	44-100	
2,4,5-Trichlorophenol	ug/L	50	40.3	81	55-125	
2,4,6-Trichlorophenol	ug/L	50	37.5	75	55-114	
2,4-Dichlorophenol	ug/L	50	33.2	66	44-127	
2,4-Dimethylphenol	ug/L	50	17.4	35	39-135	L2
2,4-Dinitrophenol	ug/L	50	26.9	54	11-101	
2,4-Dinitrotoluene	ug/L	50	45.2	90	55-122	
2,6-Dinitrotoluene	ug/L	50	42.6	85	56-121	

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QUALITY CONTROL DATA

Project: FORMER COYNE TEXTILE

Pace Project No.: 7048944

LABORATORY CONTROL SAMPLE: 296238

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
2-Chloronaphthalene	ug/L	50	30.4	61	41-122	
2-Chlorophenol	ug/L	50	30.8	62	43-106	
2-Methylnaphthalene	ug/L	50	28.7	57	31-123	
2-Methylphenol(o-Cresol)	ug/L	50	30.6	61	41-131	
2-Nitroaniline	ug/L	50	37.3	75	48-124	
2-Nitrophenol	ug/L	50	30.5	61	41-128	
3&4-Methylphenol(m&p Cresol)	ug/L	50	28.7	57	15-141	
3,3'-Dichlorobenzidine	ug/L	50	39.1	78	20-132	
3-Nitroaniline	ug/L	50	41.3	83	46-112	
4,6-Dinitro-2-methylphenol	ug/L	50	47.2	94	28-150 IH	
4-Bromophenylphenyl ether	ug/L	50	38.9	78	53-121	
4-Chloro-3-methylphenol	ug/L	50	39.0	78	48-124	
4-Chloroaniline	ug/L	50	29.6	59	25-133	
4-Chlorophenylphenyl ether	ug/L	50	36.6	73	53-116	
4-Nitroaniline	ug/L	50	44.0	88	51-113	
4-Nitrophenol	ug/L	50	21.7	43	10-102	
Acenaphthene	ug/L	50	33.3	67	50-116	
Acenaphthylene	ug/L	50	32.7	65	50-109	
Acetophenone	ug/L	50	31.0	62	42-97	
Anthracene	ug/L	50	34.7	69	54-117	
Atrazine	ug/L	50	58.8	118	50-150 IC	
Benzaldehyde	ug/L	50	32.8	66	50-150 IC,IL	
Benzo(a)anthracene	ug/L	50	43.2	86	31-128	
Benzo(a)pyrene	ug/L	50	43.5	87	30-146	
Benzo(b)fluoranthene	ug/L	50	51.4	103	43-147	
Benzo(g,h,i)perylene	ug/L	50	45.9	92	25-153	
Benzo(k)fluoranthene	ug/L	50	40.3	81	28-148	
Biphenyl (Diphenyl)	ug/L	50	30.3	61	43-116	
bis(2-Chloroethoxy)methane	ug/L	50	30.2	60	47-102	
bis(2-Chloroethyl) ether	ug/L	50	31.0	62	39-111	
bis(2-Ethylhexyl)phthalate	ug/L	50	44.2	88	37-138	
Butylbenzylphthalate	ug/L	50	45.1	90	38-135	
Caprolactam	ug/L	50	13.5	27	10-93	
Carbazole	ug/L	50	38.9	78	69-127	
Chrysene	ug/L	50	42.1	84	42-140	
Di-n-butylphthalate	ug/L	50	42.7	85	50-128	
Di-n-octylphthalate	ug/L	50	45.2	90	32-148	
Dibenz(a,h)anthracene	ug/L	50	46.3	93	22-147	
Dibenzofuran	ug/L	50	31.3	63	53-117	
Diethylphthalate	ug/L	50	41.3	83	54-124	
Dimethylphthalate	ug/L	50	41.5	83	56-121	
Fluoranthene	ug/L	50	35.9	72	50-123	
Fluorene	ug/L	50	36.2	72	51-118	
Hexachloro-1,3-butadiene	ug/L	50	25.5	51	18-90	
Hexachlorobenzene	ug/L	50	39.4	79	52-128	
Hexachlorocyclopentadiene	ug/L	50	20.2	40	13-119	
Hexachloroethane	ug/L	50	24.7	49	41-119	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: FORMER COYNE TEXTILE

Pace Project No.: 7048944

LABORATORY CONTROL SAMPLE: 296238

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Indeno(1,2,3-cd)pyrene	ug/L	50	50.1	100	26-156	
Isophorone	ug/L	50	32.9	66	46-118	
N-Nitroso-di-n-propylamine	ug/L	50	31.6	63	40-124	
N-Nitrosodiphenylamine	ug/L	50	38.0	76	41-95	
Naphthalene	ug/L	50	25.0	50	39-107	
Nitrobenzene	ug/L	50	28.8	58	41-122	
Pentachlorophenol	ug/L	50	34.5	69	12-124	
Phenanthrene	ug/L	50	37.4	75	52-126	
Phenol	ug/L	50	17.5	35	10-99	
Pyrene	ug/L	50	37.7	75	41-137	
1,2-Dichlorobenzene-d4 (S)	%			39	16-110	
2,4,6-Tribromophenol (S)	%			63	10-123	
2-Chlorophenol-d4 (S)	%			46	33-110	
2-Fluorobiphenyl (S)	%			48	43-116	
2-Fluorophenol (S)	%			32	21-110	
Nitrobenzene-d5 (S)	%			46	35-114	
p-Terphenyl-d14 (S)	%			66	33-141	
Phenol-d5 (S)	%			25	10-110	

MATRIX SPIKE SAMPLE: 296458

Parameter	Units	7049051002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
2,2'-Oxybis(1-chloropropane)	ug/L	<5.0	50	33.4	67	44-100	
2,4,5-Trichlorophenol	ug/L	<5.0	50	43.4	87	55-125	
2,4,6-Trichlorophenol	ug/L	<5.0	50	41.8	84	55-114	
2,4-Dichlorophenol	ug/L	<5.0	50	34.6	69	44-127	
2,4-Dimethylphenol	ug/L	<5.0	50	12.2	24	39-135	M0
2,4-Dinitrophenol	ug/L	<10.0	50	36.6	73	11-101	
2,4-Dinitrotoluene	ug/L	<5.0	50	45.8	92	55-122	
2,6-Dinitrotoluene	ug/L	<5.0	50	43.2	86	56-121	
2-Chloronaphthalene	ug/L	<5.0	50	37.9	76	41-122	
2-Chlorophenol	ug/L	<5.0	50	34.3	69	43-106	
2-Methylnaphthalene	ug/L	<5.0	50	32.8	66	31-123	
2-Methylphenol(o-Cresol)	ug/L	<5.0	50	29.0	58	41-131	
2-Nitroaniline	ug/L	<5.0	50	38.0	76	48-124	
2-Nitrophenol	ug/L	<5.0	50	35.0	70	41-128	
3&4-Methylphenol(m&p Cresol)	ug/L	<5.0	50	26.0	52	15-141	
3,3'-Dichlorobenzidine	ug/L	<5.0	50	36.3	73	20-132	
3-Nitroaniline	ug/L	<5.0	50	26.3	53	46-112	
4,6-Dinitro-2-methylphenol	ug/L	<10.0	50	52.3	105	28-150	IH
4-Bromophenylphenyl ether	ug/L	<5.0	50	42.5	85	53-121	
4-Chloro-3-methylphenol	ug/L	<5.0	50	36.5	73	48-124	
4-Chloroaniline	ug/L	<5.0	50	<5.0	5	25-133	M1
4-Chlorophenylphenyl ether	ug/L	<5.0	50	40.8	82	53-116	
4-Nitroaniline	ug/L	<5.0	50	48.4	97	51-113	

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QUALITY CONTROL DATA

Project: FORMER COYNE TEXTILE

Pace Project No.: 7048944

MATRIX SPIKE SAMPLE: 296458

Parameter	Units	7049051002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
4-Nitrophenol	ug/L	<10.0	50	21.0	42	10-102	
Acenaphthene	ug/L	<5.0	50	37.9	76	50-116	
Acenaphthylene	ug/L	<5.0	50	38.8	78	50-109	
Acetophenone	ug/L	<5.0	50	35.3	71	42-97	
Anthracene	ug/L	<5.0	50	37.1	74	54-117	
Atrazine	ug/L	<5.0	50	63.0	126	50-150	IC
Benzaldehyde	ug/L	<5.0	50	41.8	84	50-150	IC,IL
Benzo(a)anthracene	ug/L	<5.0	50	45.0	90	31-128	
Benzo(a)pyrene	ug/L	<5.0	50	47.0	94	30-146	
Benzo(b)fluoranthene	ug/L	<5.0	50	46.9	94	43-147	
Benzo(g,h,i)perylene	ug/L	<5.0	50	46.2	92	25-153	
Benzo(k)fluoranthene	ug/L	<5.0	50	45.6	91	28-148	
Biphenyl (Diphenyl)	ug/L	<5.0	50	36.2	72	43-116	
bis(2-Chloroethoxy)methane	ug/L	<5.0	50	31.7	63	47-102	
bis(2-Chloroethyl) ether	ug/L	<5.0	50	30.2	60	39-111	
bis(2-Ethylhexyl)phthalate	ug/L	<5.0	50	46.6	93	37-138	
Butylbenzylphthalate	ug/L	<5.0	50	46.9	94	38-135	
Caprolactam	ug/L	<5.0	50	5.3	11	10-93	
Carbazole	ug/L	<5.0	50	41.2	82	69-127	
Chrysene	ug/L	<5.0	50	44.6	89	42-140	
Di-n-butylphthalate	ug/L	<5.0	50	45.7	91	50-128	
Di-n-octylphthalate	ug/L	<5.0	50	45.7	91	32-148	
Dibenz(a,h)anthracene	ug/L	<5.0	50	47.2	94	22-147	
Dibenzofuran	ug/L	<5.0	50	34.5	69	53-117	
Diethylphthalate	ug/L	<5.0	50	43.1	86	54-124	
Dimethylphthalate	ug/L	<5.0	50	43.6	87	56-121	
Fluoranthene	ug/L	<5.0	50	37.1	74	50-123	
Fluorene	ug/L	<5.0	50	39.0	78	51-118	
Hexachloro-1,3-butadiene	ug/L	<5.0	50	33.5	67	18-90	
Hexachlorobenzene	ug/L	<5.0	50	42.7	85	52-128	
Hexachlorocyclopentadiene	ug/L	<5.0	50	39.8	80	13-119	
Hexachloroethane	ug/L	<5.0	50	34.3	69	41-119	
Indeno(1,2,3-cd)pyrene	ug/L	<5.0	50	50.5	101	26-156	
Isophorone	ug/L	<5.0	50	34.9	70	46-118	
N-Nitroso-di-n-propylamine	ug/L	<5.0	50	36.5	73	40-124	
N-Nitrosodiphenylamine	ug/L	<5.0	50	41.0	82	41-95	
Naphthalene	ug/L	<5.0	50	28.4	57	39-107	
Nitrobenzene	ug/L	<5.0	50	32.1	64	41-122	
Pentachlorophenol	ug/L	<10.0	50	40.9	82	12-124	
Phenanthrene	ug/L	<5.0	50	39.3	79	52-126	
Phenol	ug/L	<5.0	50	13.5	27	10-99	
Pyrene	ug/L	<5.0	50	40.2	80	41-137	
1,2-Dichlorobenzene-d4 (S)	%				53	16-110	
2,4,6-Tribromophenol (S)	%				64	10-123	
2-Chlorophenol-d4 (S)	%				51	33-110	
2-Fluorobiphenyl (S)	%				61	43-116	
2-Fluorophenol (S)	%				34	21-110	

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QUALITY CONTROL DATA

Project: FORMER COYNE TEXTILE

Pace Project No.: 7048944

MATRIX SPIKE SAMPLE: 296458		7049051002	Spike	MS	MS	% Rec	
Parameter	Units	Result	Conc.	Result	% Rec	Limits	Qualifiers
Nitrobenzene-d5 (S)	%				52	35-114	
p-Terphenyl-d14 (S)	%				66	33-141	
Phenol-d5 (S)	%				22	10-110	

SAMPLE DUPLICATE: 296459

Parameter	Units	7048812007	Dup	RPD	Qualifiers
		Result	Result		
2,2'-Oxybis(1-chloropropane)	ug/L	<5.0	<5.0		
2,4,5-Trichlorophenol	ug/L	<5.0	<5.0		
2,4,6-Trichlorophenol	ug/L	<5.0	<5.0		
2,4-Dichlorophenol	ug/L	<5.0	<5.0		
2,4-Dimethylphenol	ug/L	<5.0	<5.0		
2,4-Dinitrophenol	ug/L	<10.0	<10.0		
2,4-Dinitrotoluene	ug/L	<5.0	<5.0		
2,6-Dinitrotoluene	ug/L	<5.0	<5.0		
2-Chloronaphthalene	ug/L	<5.0	<5.0		
2-Chlorophenol	ug/L	<5.0	<5.0		
2-Methylnaphthalene	ug/L	<5.0	<5.0		
2-Methylphenol(o-Cresol)	ug/L	<5.0	<5.0		
2-Nitroaniline	ug/L	<5.0	<5.0		
2-Nitrophenol	ug/L	<5.0	<5.0		
3&4-Methylphenol(m&p Cresol)	ug/L	<5.0	<5.0		
3,3'-Dichlorobenzidine	ug/L	<5.0	<5.0		
3-Nitroaniline	ug/L	<5.0	<5.0		
4,6-Dinitro-2-methylphenol	ug/L	<10.0	<10.0		
4-Bromophenylphenyl ether	ug/L	<5.0	<5.0		
4-Chloro-3-methylphenol	ug/L	<5.0	<5.0		
4-Chloroaniline	ug/L	<5.0	<5.0		
4-Chlorophenylphenyl ether	ug/L	<5.0	<5.0		
4-Nitroaniline	ug/L	<5.0	<5.0		
4-Nitrophenol	ug/L	<10.0	<10.0		
Acenaphthene	ug/L	<5.0	<5.0		
Acenaphthylene	ug/L	<5.0	<5.0		
Acetophenone	ug/L	<5.0	<5.0		
Anthracene	ug/L	<5.0	<5.0		
Atrazine	ug/L	<5.0	<5.0		IC
Benzaldehyde	ug/L	<5.0	<5.0		IC,IL
Benzo(a)anthracene	ug/L	<5.0	<5.0		
Benzo(a)pyrene	ug/L	<5.0	<5.0		
Benzo(b)fluoranthene	ug/L	<5.0	<5.0		
Benzo(g,h,i)perylene	ug/L	<5.0	<5.0		
Benzo(k)fluoranthene	ug/L	<5.0	<5.0		
Biphenyl (Diphenyl)	ug/L	<5.0	<5.0		
bis(2-Chloroethoxy)methane	ug/L	<5.0	<5.0		
bis(2-Chloroethyl) ether	ug/L	<5.0	<5.0		

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: FORMER COYNE TEXTILE

Pace Project No.: 7048944

SAMPLE DUPLICATE: 296459

Parameter	Units	7048812007 Result	Dup Result	RPD	Qualifiers
bis(2-Ethylhexyl)phthalate	ug/L	<5.0	<5.0		
Butylbenzylphthalate	ug/L	<5.0	<5.0		
Caprolactam	ug/L	<5.0	<5.0		
Carbazole	ug/L	<5.0	<5.0		
Chrysene	ug/L	<5.0	<5.0		
Di-n-butylphthalate	ug/L	<5.0	<5.0		
Di-n-octylphthalate	ug/L	<5.0	<5.0		
Dibenz(a,h)anthracene	ug/L	<5.0	<5.0		
Dibenzofuran	ug/L	<5.0	<5.0		
Diethylphthalate	ug/L	<5.0	<5.0		
Dimethylphthalate	ug/L	<5.0	<5.0		
Fluoranthene	ug/L	<5.0	<5.0		
Fluorene	ug/L	<5.0	<5.0		
Hexachloro-1,3-butadiene	ug/L	<5.0	<5.0		
Hexachlorobenzene	ug/L	<5.0	<5.0		
Hexachlorocyclopentadiene	ug/L	<5.0	<5.0		
Hexachloroethane	ug/L	<5.0	<5.0		
Indeno(1,2,3-cd)pyrene	ug/L	<5.0	<5.0		
Isophorone	ug/L	<5.0	<5.0		
N-Nitroso-di-n-propylamine	ug/L	<5.0	<5.0		
N-Nitrosodiphenylamine	ug/L	<5.0	<5.0		
Naphthalene	ug/L	<5.0	<5.0		
Nitrobenzene	ug/L	<5.0	<5.0		
Pentachlorophenol	ug/L	<10.0	<10.0		
Phenanthrene	ug/L	<5.0	<5.0		
Phenol	ug/L	<5.0	<5.0		
Pyrene	ug/L	<5.0	<5.0		
1,2-Dichlorobenzene-d4 (S)	%	43	43		1
2,4,6-Tribromophenol (S)	%	55	53		3
2-Chlorophenol-d4 (S)	%	47	42		11
2-Fluorobiphenyl (S)	%	50	46		10
2-Fluorophenol (S)	%	34	27		24
Nitrobenzene-d5 (S)	%	50	46		8
p-Terphenyl-d14 (S)	%	50	58		15
Phenol-d5 (S)	%	22	18		18

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REPORT OF LABORATORY ANALYSIS

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QUALIFIERS

Project: FORMER COYNE TEXTILE

Pace Project No.: 7048944

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

CL	The continuing calibration for this compound is outside of Pace Analytical acceptance limits. The results may be biased low.
D6	The precision between the sample and sample duplicate exceeded laboratory control limits.
IC	The initial calibration for this compound was outside of method control limits. The result is estimated.
IH	This analyte exceeded secondary source verification criteria high for the initial calibration. The reported results should be considered an estimated value.
IL	This analyte exceeded secondary source verification criteria low for the initial calibration. The reported results should be considered an estimated value.
L2	Analyte recovery in the laboratory control sample (LCS) was below QC limits. Results for this analyte in associated samples may be biased low.
M0	Matrix spike recovery and/or matrix spike duplicate recovery was outside laboratory control limits.
M1	Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: FORMER COYNE TEXTILE

Pace Project No.: 7048944

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
7048944001	GW MW1	EPA 3510C	64445	EPA 8082A	64461
7048944002	GW MW2	EPA 3510C	64445	EPA 8082A	64461
7048944003	GW MW3	EPA 3510C	64445	EPA 8082A	64461
7048944004	GW DUP100	EPA 3510C	64445	EPA 8082A	64461
7048944005	GW- 101D	EPA 3510C	64445	EPA 8082A	64461
7048944006	GW- 100	EPA 3510C	64445	EPA 8082A	64461
7048944001	GW MW1	EPA 200.7	64388	EPA 200.7	64396
7048944002	GW MW2	EPA 200.7	64388	EPA 200.7	64396
7048944003	GW MW3	EPA 200.7	64388	EPA 200.7	64396
7048944004	GW DUP100	EPA 200.7	64388	EPA 200.7	64396
7048944005	GW- 101D	EPA 200.7	64388	EPA 200.7	64396
7048944006	GW- 100	EPA 200.7	64389	EPA 200.7	64397
7048944001	GW MW1	EPA 7470A	64392	EPA 7470A	64401
7048944002	GW MW2	EPA 7470A	64392	EPA 7470A	64401
7048944003	GW MW3	EPA 7470A	64392	EPA 7470A	64401
7048944004	GW DUP100	EPA 7470A	64392	EPA 7470A	64401
7048944005	GW- 101D	EPA 7470A	64392	EPA 7470A	64401
7048944006	GW- 100	EPA 7470A	64392	EPA 7470A	64401
7048944001	GW MW1	EPA 3510C	64546	EPA 8270D	64659
7048944002	GW MW2	EPA 3510C	64546	EPA 8270D	64659
7048944003	GW MW3	EPA 3510C	64546	EPA 8270D	64659
7048944004	GW DUP100	EPA 3510C	64546	EPA 8270D	64659
7048944005	GW- 101D	EPA 3510C	64546	EPA 8270D	64659
7048944006	GW- 100	EPA 3510C	64546	EPA 8270D	64659
7048944001	GW MW1	EPA 8260C/5030C	64369		
7048944002	GW MW2	EPA 8260C/5030C	64369		
7048944003	GW MW3	EPA 8260C/5030C	64369		
7048944004	GW DUP100	EPA 8260C/5030C	64369		
7048944005	GW- 101D	EPA 8260C/5030C	64369		
7048944006	GW- 100	EPA 8260C/5030C	64369		

REPORT OF LABORATORY ANALYSIS

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The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed

WO#: 7048944



Section A
Required Client Information:

Company: CHA companies
 Address: 300 S State Street-Suite 100
 Email To: kayn@cha.com
 Phone: 704.894.4444
 Project Name: Rayne Toyne Textile
 Project Number: 335255.1002.46000
 Requested Due Date/TAT: standard

Section B
Required Project Information:

Report To: Kayn Ehmman
 Copy To: Sam Miles
 Purchase Order No.:
 Project Name:
 Project Number:
 Requested Due Date/TAT:

Section C
Invoice Information:

Attention:
 Company Name:
 Address:
 Pace Quote Reference:
 Pace Project Manager:
 Pace Profile #:

Section D
Requested Analysis Filtered (Y/N)

Requested Analysis Filtered (Y/N)

REGULATORY AGENCY
 NPDES GROUND WATER DRINKING WATER
 UST RCRA OTHER
 Site Location STATE: NY

ITEM #	Section D Required Client Information	Matrix Codes MATRIX / CODE	MIXTURE CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED		PRESERVATIVES	# OF CONTAINERS	ACCEPTED BY / AFFILIATION	DATE	TIME	DATE	TIME	SAMPLE CONDITIONS							
					COMPOSITE START	COMPOSITE END/GRAB															
1	GW MW 1	Drinking Water	WTG		DATE	TIME	Unpreserved	10 X		4/18/18	1440			4/18/18	17:30	Y	Y	Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
2	GW MW 2	Waste Water			DATE	TIME	H ₂ SO ₄			4/18/18	1340			4/18/18	17:30	Y	Y				
3	GW MW 3	Waste Water			DATE	TIME	HNO ₃			4/18/18	1630			4/18/18	17:30	Y	Y				
4	GW - DUP 100	Product			DATE	TIME	NaOH			4/18/18	1440			4/18/18	17:30	Y	Y				
5	GW - 101 D	Soil/Solid			DATE	TIME	HCl			4/18/18	1150			4/18/18	17:30	Y	Y				
6	GW - MS 100	Oil			DATE	TIME	Other			4/18/18	1155			4/18/18	17:30	Y	Y				
7	GW - MS 100	Wipe			DATE	TIME	Methanol			4/18/18	1155			4/18/18	17:30	Y	Y				

ADDITIONAL COMMENTS

RELINQUISHED BY / AFFILIATION: Sam Miles CHA
 DATE: 4/18/18 TIME: 17:30
 ACCEPTED BY / AFFILIATION: Kayn Ehmman PACE
 DATE: 4/18/18 TIME: 17:30
 SAMPLE CONDITIONS: Y

SAMPLER NAME AND SIGNATURE
 PRINT Name of SAMPLER: Kayn Ehmman
 SIGNATURE of SAMPLER: [Signature]
 DATE Signed (MM/DD/YYYY): 4/18/2018

ORIGINAL

*Important Note: By signing this form, you are accepting Pace's NET 30 day payment terms and agreeing to late charges of 1.5% per month for any invoices not paid within 30 days.

Sample Condition Upon Receipt



Client Name: Cha Companies

Project

WO#: 7048944

PM: JM2 Due Date: 04/26/18

CLIENT: CHA

Courier: Fed Ex UPS USPS Client Commercial Pace Other

Tracking #: 772034806177

Custody Seal on Cooler/Box Present: Yes No Seals intact: Yes No

Packing Material: Bubble Wrap Bubble Bags Ziploc None Other

Thermometer Used: TH09 Correction Factor: 0.0

Cooler Temperature (°C): 3.0 Cooler Temperature Corrected (°C): 3.6

Temp should be above freezing to 6.0°C

USDA Regulated Soil (N/A, water sample)

Date and Initials of person examining contents: RW 4/19/18

Did samples originate in a quarantine zone within the United States: AL, AR, CA, FL, GA, ID, LA, MS, NC, NM, NY, OK, OR, SC, TN, TX, or VA (check map)? YES NO

Did samples originate from a foreign source (internationally, including Hawaii and Puerto Rico)? Yes No

If Yes to either question, fill out a Regulated Soil Checklist (F-LI-C-010) and include with SCUR/COC paperwork.

		COMMENTS:
Chain of Custody Present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	1.
Chain of Custody Filled Out:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	2.
Chain of Custody Relinquished:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	3.
Sampler Name & Signature on COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	4.
Samples Arrived within Hold Time:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	5.
Short Hold Time Analysis (<72hr):	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	6.
Rush Turn Around Time Requested:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	7.
Sufficient Volume: (Triple volume provided for MS/MSD)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	8.
Correct Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	9.
-Pace Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	10.
Containers Intact:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	10.
Filtered volume received for Dissolved tests	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	11. Note if sediment is visible in the dissolved container.
Sample Labels match COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	12.
-Includes date/time/ID/Analysis Matrix <u>SL</u> <u>WT</u> <u>OIL</u>		
All containers needing preservation have been checked	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	13. <input type="checkbox"/> HNO ₃ <input type="checkbox"/> H ₂ SO ₄ <input type="checkbox"/> NaOH <input type="checkbox"/> HCl
pH paper Lot # <u>HC727135</u>		Sample #
All containers needing preservation are found to be in compliance with EPA recommendation? (HNO ₃ , H ₂ SO ₄ , HCl, NaOH > 9 Sulfide, NaOH > 12 Cyanide)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Exceptions: VOA, Coliform, TOC/DOC, Oil and Grease, DRO/8015 (water). Per Method, VOA pH is checked after analysis		Initial when completed: Lot # of added preservative: Date/Time preservative added
Samples checked for dechlorination:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	14. Positive for Res. Chlorine? Y N
KI starch test strips Lot #		
Residual chlorine strips Lot #		
Headspace in VOA Vials (>6mm):	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	15.
Trip Blank Present:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	16.
Trip Blank Custody Seals Present	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Other	
Pace Trip Blank Lot # (if applicable):		

Client Notification/ Resolution:

Field Data Required? Y / N

Person Contacted:

Date/Time:

Comments/ Resolution:

* PM (Project Manager) review is documented electronically in LIMS.

May 07, 2018

Samantha Miller
CHA Companies
300 South Stae Street
Syracuse, NY 13202

RE: Project: FORMER COYNE TEXTILE FACILITY
Pace Project No.: 7049098

Dear Samantha Miller:

Enclosed are the analytical results for sample(s) received by the laboratory on April 20, 2018. The results relate only to the samples included in this report. Results reported herein conform to the most current, applicable TNI/NELAC standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,



James Murphy
james.murphy@pacelabs.com
(518)346-4592
Project Manager

Enclosures

cc: Karyn Ehmann, CHA Companies



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: FORMER COYNE TEXTILE FACILITY

Pace Project No.: 7049098

Long Island Certification IDs

575 Broad Hollow Rd, Melville, NY 11747

New York Certification #: 10478 Primary Accrediting Body

New Jersey Certification #: NY158

Pennsylvania Certification #: 68-00350

Connecticut Certification #: PH-0435

Maryland Certification #: 208

Rhode Island Certification #: LAO00340

Massachusetts Certification #: M-NY026

New Hampshire Certification #: 2987

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: FORMER COYNE TEXTILE FACILITY

Pace Project No.: 7049098

Method: EPA 8081B

Description: 8081 GCS Pesticides

Client: CHA Companies

Date: May 07, 2018

General Information:

2 samples were analyzed for EPA 8081B. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:

The samples were prepared in accordance with EPA 3510C with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):

All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:

All criteria were within method requirements with any exceptions noted below.

Surrogates:

All surrogates were within QC limits with any exceptions noted below.

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Duplicate Sample:

All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: FORMER COYNE TEXTILE FACILITY

Pace Project No.: 7049098

Method: EPA 8082A

Description: 8082 GCS PCB

Client: CHA Companies

Date: May 07, 2018

General Information:

3 samples were analyzed for EPA 8082A. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:

The samples were prepared in accordance with EPA 3510C with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):

All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:

All criteria were within method requirements with any exceptions noted below.

Surrogates:

All surrogates were within QC limits with any exceptions noted below.

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Additional Comments:

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: FORMER COYNE TEXTILE FACILITY

Pace Project No.: 7049098

Method: EPA 200.7

Description: 200.7 Metals, Total

Client: CHA Companies

Date: May 07, 2018

General Information:

3 samples were analyzed for EPA 200.7. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:

The samples were prepared in accordance with EPA 200.7 with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):

All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:

All criteria were within method requirements with any exceptions noted below.

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

QC Batch: 64414

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 7049093001,7049093002

M1: Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

- MS (Lab ID: 295648)
 - Calcium
- MS (Lab ID: 295650)
 - Aluminum
 - Iron
 - Manganese
 - Silver

Duplicate Sample:

All duplicate sample results were within method acceptance criteria with any exceptions noted below.

QC Batch: 64414

D6: The precision between the sample and sample duplicate exceeded laboratory control limits.

- DUP (Lab ID: 295647)
 - Chromium
- DUP (Lab ID: 295649)

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: FORMER COYNE TEXTILE FACILITY

Pace Project No.: 7049098

Method: EPA 200.7

Description: 200.7 Metals, Total

Client: CHA Companies

Date: May 07, 2018

QC Batch: 64414

D6: The precision between the sample and sample duplicate exceeded laboratory control limits.

- Aluminum
- Iron
- Lead
- Nickel
- Zinc

Additional Comments:

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: FORMER COYNE TEXTILE FACILITY

Pace Project No.: 7049098

Method: EPA 7470A

Description: 7470 Mercury

Client: CHA Companies

Date: May 07, 2018

General Information:

3 samples were analyzed for EPA 7470A. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:

The samples were prepared in accordance with EPA 7470A with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):

All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:

All criteria were within method requirements with any exceptions noted below.

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Duplicate Sample:

All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: FORMER COYNE TEXTILE FACILITY

Pace Project No.: 7049098

Method: EPA 8270D

Description: 8270 MSSV

Client: CHA Companies

Date: May 07, 2018

General Information:

3 samples were analyzed for EPA 8270D. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:

The samples were prepared in accordance with EPA 3510C with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):

All criteria were within method requirements with any exceptions noted below.

QC Batch: 64940

IC: The initial calibration for this compound was outside of method control limits. The result is estimated.

- BLANK (Lab ID: 297767)
 - Atrazine
 - Benzaldehyde
- DUP (Lab ID: 297792)
 - Atrazine
 - Benzaldehyde
- GW-EB100 (Lab ID: 7049098001)
 - Atrazine
 - Benzaldehyde
- GW-WC100 (Lab ID: 7049098002)
 - Atrazine
 - Benzaldehyde
- GW-WC101 (Lab ID: 7049098003)
 - Atrazine
 - Benzaldehyde
- LCS (Lab ID: 297768)
 - Atrazine
 - Benzaldehyde

IH: This analyte exceeded secondary source verification criteria high for the initial calibration. The reported results should be considered an estimated value.

- LCS (Lab ID: 297768)
 - 4,6-Dinitro-2-methylphenol

IL: This analyte exceeded secondary source verification criteria low for the initial calibration. The reported results should be considered an estimated value.

- BLANK (Lab ID: 297767)
 - Benzaldehyde
- DUP (Lab ID: 297792)
 - Benzaldehyde
- GW-EB100 (Lab ID: 7049098001)
 - Benzaldehyde

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: FORMER COYNE TEXTILE FACILITY

Pace Project No.: 7049098

Method: EPA 8270D

Description: 8270 MSSV

Client: CHA Companies

Date: May 07, 2018

QC Batch: 64940

IL: This analyte exceeded secondary source verification criteria low for the initial calibration. The reported results should be considered an estimated value.

- GW-WC100 (Lab ID: 7049098002)
 - Benzaldehyde
- GW-WC101 (Lab ID: 7049098003)
 - Benzaldehyde
- LCS (Lab ID: 297768)
 - Benzaldehyde

Continuing Calibration:

All criteria were within method requirements with any exceptions noted below.

Internal Standards:

All internal standards were within QC limits with any exceptions noted below.

Surrogates:

All surrogates were within QC limits with any exceptions noted below.

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Duplicate Sample:

All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: FORMER COYNE TEXTILE FACILITY

Pace Project No.: 7049098

Method: EPA 8260C/5030C

Description: 8260C Volatile Organics

Client: CHA Companies

Date: May 07, 2018

General Information:

4 samples were analyzed for EPA 8260C/5030C. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):

All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:

All criteria were within method requirements with any exceptions noted below.

QC Batch: 64497

CL: The continuing calibration for this compound is outside of Pace Analytical acceptance limits. The results may be biased low.

- BLANK (Lab ID: 296086)
 - Acetone
 - Cyclohexane
 - Dichlorodifluoromethane
 - Methyl acetate
 - Vinyl chloride
- GW-EB100 (Lab ID: 7049098001)
 - Acetone
 - Cyclohexane
 - Dichlorodifluoromethane
 - Methyl acetate
 - Vinyl chloride
- GW-WC100 (Lab ID: 7049098002)
 - Acetone
 - Cyclohexane
 - Dichlorodifluoromethane
 - Methyl acetate
 - Vinyl chloride
- GW-WC101 (Lab ID: 7049098003)
 - Acetone
 - Cyclohexane
 - Dichlorodifluoromethane
 - Methyl acetate
 - Vinyl chloride
- LCS (Lab ID: 296087)
 - Acetone
 - Cyclohexane
 - Dichlorodifluoromethane
 - Methyl acetate
 - Vinyl chloride

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: FORMER COYNE TEXTILE FACILITY

Pace Project No.: 7049098

Method: EPA 8260C/5030C

Description: 8260C Volatile Organics

Client: CHA Companies

Date: May 07, 2018

QC Batch: 64497

CL: The continuing calibration for this compound is outside of Pace Analytical acceptance limits. The results may be biased low.

- MS (Lab ID: 296089)
 - Acetone
 - Cyclohexane
 - Dichlorodifluoromethane
 - Methyl acetate
 - Vinyl chloride
- MSD (Lab ID: 296090)
 - Acetone
 - Cyclohexane
 - Dichlorodifluoromethane
 - Methyl acetate
 - Vinyl chloride
- TRIP BLANK (Lab ID: 7049098004)
 - Acetone
 - Cyclohexane
 - Dichlorodifluoromethane
 - Methyl acetate
 - Vinyl chloride

Internal Standards:

All internal standards were within QC limits with any exceptions noted below.

Surrogates:

All surrogates were within QC limits with any exceptions noted below.

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

QC Batch: 64497

L2: Analyte recovery in the laboratory control sample (LCS) was below QC limits. Results for this analyte in associated samples may be biased low.

- LCS (Lab ID: 296087)
 - 1,1-Dichloroethane

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

QC Batch: 64497

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 7048791006

M0: Matrix spike recovery and/or matrix spike duplicate recovery was outside laboratory control limits.

- MS (Lab ID: 296089)

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PROJECT NARRATIVE

Project: FORMER COYNE TEXTILE FACILITY

Pace Project No.: 7049098

Method: EPA 8260C/5030C

Description: 8260C Volatile Organics

Client: CHA Companies

Date: May 07, 2018

QC Batch: 64497

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 7048791006

M0: Matrix spike recovery and/or matrix spike duplicate recovery was outside laboratory control limits.

- 1,1-Dichloroethane

M1: Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

- MS (Lab ID: 296089)
 - Bromoform
 - Bromomethane
 - Chloromethane
 - Dichlorodifluoromethane
 - trans-1,3-Dichloropropene
- MSD (Lab ID: 296090)
 - Bromoform
 - Bromomethane
 - Chloromethane
 - Dichlorodifluoromethane
 - trans-1,3-Dichloropropene

R1: RPD value was outside control limits.

- MSD (Lab ID: 296090)
 - Bromomethane

Additional Comments:

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PROJECT NARRATIVE

Project: FORMER COYNE TEXTILE FACILITY

Pace Project No.: 7049098

Method: EPA 9040C

Description: 9040 Corrosivity-pH >20% water

Client: CHA Companies

Date: May 07, 2018

General Information:

2 samples were analyzed for EPA 9040C. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

H3: Sample was received or analysis requested beyond the recognized method holding time.

- GW-WC100 (Lab ID: 7049098002)

- GW-WC101 (Lab ID: 7049098003)

H6: Analysis initiated outside of the 15 minute EPA recommended holding time.

- GW-WC100 (Lab ID: 7049098002)

- GW-WC101 (Lab ID: 7049098003)

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Duplicate Sample:

All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

This data package has been reviewed for quality and completeness and is approved for release.

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: FORMER COYNE TEXTILE FACILITY

Pace Project No.: 7049098

Sample: GW-EB100	Lab ID: 7049098001	Collected: 04/19/18 13:15	Received: 04/20/18 10:30	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8082 GCS PCB								
Analytical Method: EPA 8082A Preparation Method: EPA 3510C								
PCB-1016 (Aroclor 1016)	<1.0	ug/L	1.0	1	04/21/18 04:04	04/23/18 22:09	12674-11-2	
PCB-1221 (Aroclor 1221)	<2.0	ug/L	2.0	1	04/21/18 04:04	04/23/18 22:09	11104-28-2	
PCB-1232 (Aroclor 1232)	<1.0	ug/L	1.0	1	04/21/18 04:04	04/23/18 22:09	11141-16-5	
PCB-1242 (Aroclor 1242)	<1.0	ug/L	1.0	1	04/21/18 04:04	04/23/18 22:09	53469-21-9	
PCB-1248 (Aroclor 1248)	<1.0	ug/L	1.0	1	04/21/18 04:04	04/23/18 22:09	12672-29-6	
PCB-1254 (Aroclor 1254)	<1.0	ug/L	1.0	1	04/21/18 04:04	04/23/18 22:09	11097-69-1	
PCB-1260 (Aroclor 1260)	<1.0	ug/L	1.0	1	04/21/18 04:04	04/23/18 22:09	11096-82-5	
Surrogates								
Tetrachloro-m-xylene (S)	63	%	30-150	1	04/21/18 04:04	04/23/18 22:09	877-09-8	
Decachlorobiphenyl (S)	70	%	30-150	1	04/21/18 04:04	04/23/18 22:09	2051-24-3	
200.7 Metals, Total								
Analytical Method: EPA 200.7 Preparation Method: EPA 200.7								
Aluminum	<200	ug/L	200	1	04/20/18 13:27	04/23/18 16:55	7429-90-5	
Antimony	<60.0	ug/L	60.0	1	04/20/18 13:27	04/23/18 16:55	7440-36-0	
Arsenic	<10.0	ug/L	10.0	1	04/20/18 13:27	04/23/18 16:55	7440-38-2	
Barium	<200	ug/L	200	1	04/20/18 13:27	04/23/18 16:55	7440-39-3	
Beryllium	<5.0	ug/L	5.0	1	04/20/18 13:27	04/23/18 16:55	7440-41-7	
Cadmium	<2.5	ug/L	2.5	1	04/20/18 13:27	04/23/18 16:55	7440-43-9	
Calcium	<1000	ug/L	1000	1	04/20/18 13:27	04/23/18 16:55	7440-70-2	
Chromium	<10.0	ug/L	10.0	1	04/20/18 13:27	04/23/18 16:55	7440-47-3	
Cobalt	<50.0	ug/L	50.0	1	04/20/18 13:27	04/23/18 16:55	7440-48-4	
Copper	<25.0	ug/L	25.0	1	04/20/18 13:27	04/23/18 16:55	7440-50-8	
Iron	168	ug/L	20.0	1	04/20/18 13:27	04/23/18 16:55	7439-89-6	
Lead	<5.0	ug/L	5.0	1	04/20/18 13:27	04/23/18 16:55	7439-92-1	
Magnesium	<1000	ug/L	1000	1	04/20/18 13:27	04/23/18 16:55	7439-95-4	
Manganese	<10.0	ug/L	10.0	1	04/20/18 13:27	04/23/18 16:55	7439-96-5	
Nickel	<40.0	ug/L	40.0	1	04/20/18 13:27	04/23/18 16:55	7440-02-0	
Potassium	<5000	ug/L	5000	1	04/20/18 13:27	04/23/18 16:55	7440-09-7	
Selenium	<10.0	ug/L	10.0	1	04/20/18 13:27	04/23/18 16:55	7782-49-2	
Silver	<10.0	ug/L	10.0	1	04/20/18 13:27	04/23/18 16:55	7440-22-4	
Sodium	<5000	ug/L	5000	1	04/20/18 13:27	04/23/18 16:55	7440-23-5	
Thallium	<10.0	ug/L	10.0	1	04/20/18 13:27	04/23/18 16:55	7440-28-0	
Vanadium	<50.0	ug/L	50.0	1	04/20/18 13:27	04/23/18 16:55	7440-62-2	
Zinc	70.6	ug/L	20.0	1	04/20/18 13:27	04/23/18 16:55	7440-66-6	
7470 Mercury								
Analytical Method: EPA 7470A Preparation Method: EPA 7470A								
Mercury	<0.20	ug/L	0.20	1	04/20/18 15:28	04/25/18 13:21	7439-97-6	
8270 MSSV								
Analytical Method: EPA 8270D Preparation Method: EPA 3510C								
Acenaphthene	<5.0	ug/L	5.0	1	04/25/18 13:04	04/30/18 15:37	83-32-9	
Acenaphthylene	<5.0	ug/L	5.0	1	04/25/18 13:04	04/30/18 15:37	208-96-8	
Acetophenone	<5.0	ug/L	5.0	1	04/25/18 13:04	04/30/18 15:37	98-86-2	
Anthracene	<5.0	ug/L	5.0	1	04/25/18 13:04	04/30/18 15:37	120-12-7	
Atrazine	<5.0	ug/L	5.0	1	04/25/18 13:04	04/30/18 15:37	1912-24-9	IC
Benzaldehyde	<5.0	ug/L	5.0	1	04/25/18 13:04	04/30/18 15:37	100-52-7	IC,IL
Benzo(a)anthracene	<5.0	ug/L	5.0	1	04/25/18 13:04	04/30/18 15:37	56-55-3	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: FORMER COYNE TEXTILE FACILITY

Pace Project No.: 7049098

Sample: GW-EB100	Lab ID: 7049098001	Collected: 04/19/18 13:15	Received: 04/20/18 10:30	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV		Analytical Method: EPA 8270D Preparation Method: EPA 3510C						
Benzo(a)pyrene	<5.0	ug/L	5.0	1	04/25/18 13:04	04/30/18 15:37	50-32-8	
Benzo(b)fluoranthene	<5.0	ug/L	5.0	1	04/25/18 13:04	04/30/18 15:37	205-99-2	
Benzo(g,h,i)perylene	<5.0	ug/L	5.0	1	04/25/18 13:04	04/30/18 15:37	191-24-2	
Benzo(k)fluoranthene	<5.0	ug/L	5.0	1	04/25/18 13:04	04/30/18 15:37	207-08-9	
Biphenyl (Diphenyl)	<5.0	ug/L	5.0	1	04/25/18 13:04	04/30/18 15:37	92-52-4	
4-Bromophenylphenyl ether	<5.0	ug/L	5.0	1	04/25/18 13:04	04/30/18 15:37	101-55-3	
Butylbenzylphthalate	<5.0	ug/L	5.0	1	04/25/18 13:04	04/30/18 15:37	85-68-7	
Caprolactam	<5.0	ug/L	5.0	1	04/25/18 13:04	04/30/18 15:37	105-60-2	
Carbazole	<5.0	ug/L	5.0	1	04/25/18 13:04	04/30/18 15:37	86-74-8	
4-Chloro-3-methylphenol	<5.0	ug/L	5.0	1	04/25/18 13:04	04/30/18 15:37	59-50-7	
4-Chloroaniline	<5.0	ug/L	5.0	1	04/25/18 13:04	04/30/18 15:37	106-47-8	
bis(2-Chloroethoxy)methane	<5.0	ug/L	5.0	1	04/25/18 13:04	04/30/18 15:37	111-91-1	
bis(2-Chloroethyl) ether	<5.0	ug/L	5.0	1	04/25/18 13:04	04/30/18 15:37	111-44-4	
2-Chloronaphthalene	<5.0	ug/L	5.0	1	04/25/18 13:04	04/30/18 15:37	91-58-7	
2-Chlorophenol	<5.0	ug/L	5.0	1	04/25/18 13:04	04/30/18 15:37	95-57-8	
4-Chlorophenylphenyl ether	<5.0	ug/L	5.0	1	04/25/18 13:04	04/30/18 15:37	7005-72-3	
Chrysene	<5.0	ug/L	5.0	1	04/25/18 13:04	04/30/18 15:37	218-01-9	
Dibenz(a,h)anthracene	<5.0	ug/L	5.0	1	04/25/18 13:04	04/30/18 15:37	53-70-3	
Dibenzofuran	<5.0	ug/L	5.0	1	04/25/18 13:04	04/30/18 15:37	132-64-9	
3,3'-Dichlorobenzidine	<5.0	ug/L	5.0	1	04/25/18 13:04	04/30/18 15:37	91-94-1	
2,4-Dichlorophenol	<5.0	ug/L	5.0	1	04/25/18 13:04	04/30/18 15:37	120-83-2	
Diethylphthalate	<5.0	ug/L	5.0	1	04/25/18 13:04	04/30/18 15:37	84-66-2	
2,4-Dimethylphenol	<5.0	ug/L	5.0	1	04/25/18 13:04	04/30/18 15:37	105-67-9	
Dimethylphthalate	<5.0	ug/L	5.0	1	04/25/18 13:04	04/30/18 15:37	131-11-3	
Di-n-butylphthalate	<5.0	ug/L	5.0	1	04/25/18 13:04	04/30/18 15:37	84-74-2	
4,6-Dinitro-2-methylphenol	<10.0	ug/L	10.0	1	04/25/18 13:04	04/30/18 15:37	534-52-1	
2,4-Dinitrophenol	<10.0	ug/L	10.0	1	04/25/18 13:04	04/30/18 15:37	51-28-5	
2,4-Dinitrotoluene	<5.0	ug/L	5.0	1	04/25/18 13:04	04/30/18 15:37	121-14-2	
2,6-Dinitrotoluene	<5.0	ug/L	5.0	1	04/25/18 13:04	04/30/18 15:37	606-20-2	
Di-n-octylphthalate	<5.0	ug/L	5.0	1	04/25/18 13:04	04/30/18 15:37	117-84-0	
bis(2-Ethylhexyl)phthalate	<5.0	ug/L	5.0	1	04/25/18 13:04	04/30/18 15:37	117-81-7	
Fluoranthene	<5.0	ug/L	5.0	1	04/25/18 13:04	04/30/18 15:37	206-44-0	
Fluorene	<5.0	ug/L	5.0	1	04/25/18 13:04	04/30/18 15:37	86-73-7	
Hexachloro-1,3-butadiene	<5.0	ug/L	5.0	1	04/25/18 13:04	04/30/18 15:37	87-68-3	
Hexachlorobenzene	<5.0	ug/L	5.0	1	04/25/18 13:04	04/30/18 15:37	118-74-1	
Hexachlorocyclopentadiene	<5.0	ug/L	5.0	1	04/25/18 13:04	04/30/18 15:37	77-47-4	
Hexachloroethane	<5.0	ug/L	5.0	1	04/25/18 13:04	04/30/18 15:37	67-72-1	
Indeno(1,2,3-cd)pyrene	<5.0	ug/L	5.0	1	04/25/18 13:04	04/30/18 15:37	193-39-5	
Isophorone	<5.0	ug/L	5.0	1	04/25/18 13:04	04/30/18 15:37	78-59-1	
2-Methylnaphthalene	<5.0	ug/L	5.0	1	04/25/18 13:04	04/30/18 15:37	91-57-6	
2-Methylphenol(o-Cresol)	<5.0	ug/L	5.0	1	04/25/18 13:04	04/30/18 15:37	95-48-7	
3&4-Methylphenol(m&p Cresol)	<5.0	ug/L	5.0	1	04/25/18 13:04	04/30/18 15:37		
Naphthalene	<5.0	ug/L	5.0	1	04/25/18 13:04	04/30/18 15:37	91-20-3	
2-Nitroaniline	<5.0	ug/L	5.0	1	04/25/18 13:04	04/30/18 15:37	88-74-4	
3-Nitroaniline	<5.0	ug/L	5.0	1	04/25/18 13:04	04/30/18 15:37	99-09-2	
4-Nitroaniline	<5.0	ug/L	5.0	1	04/25/18 13:04	04/30/18 15:37	100-01-6	
Nitrobenzene	<5.0	ug/L	5.0	1	04/25/18 13:04	04/30/18 15:37	98-95-3	

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ANALYTICAL RESULTS

Project: FORMER COYNE TEXTILE FACILITY

Pace Project No.: 7049098

Sample: GW-EB100	Lab ID: 7049098001	Collected: 04/19/18 13:15	Received: 04/20/18 10:30	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV								
Analytical Method: EPA 8270D Preparation Method: EPA 3510C								
2-Nitrophenol	<5.0	ug/L	5.0	1	04/25/18 13:04	04/30/18 15:37	88-75-5	
4-Nitrophenol	<10.0	ug/L	10.0	1	04/25/18 13:04	04/30/18 15:37	100-02-7	
N-Nitroso-di-n-propylamine	<5.0	ug/L	5.0	1	04/25/18 13:04	04/30/18 15:37	621-64-7	
N-Nitrosodiphenylamine	<5.0	ug/L	5.0	1	04/25/18 13:04	04/30/18 15:37	86-30-6	
2,2'-Oxybis(1-chloropropane)	<5.0	ug/L	5.0	1	04/25/18 13:04	04/30/18 15:37	108-60-1	
Pentachlorophenol	<10.0	ug/L	10.0	1	04/25/18 13:04	04/30/18 15:37	87-86-5	
Phenanthrene	<5.0	ug/L	5.0	1	04/25/18 13:04	04/30/18 15:37	85-01-8	
Phenol	<5.0	ug/L	5.0	1	04/25/18 13:04	04/30/18 15:37	108-95-2	
Pyrene	<5.0	ug/L	5.0	1	04/25/18 13:04	04/30/18 15:37	129-00-0	
2,4,5-Trichlorophenol	<5.0	ug/L	5.0	1	04/25/18 13:04	04/30/18 15:37	95-95-4	
2,4,6-Trichlorophenol	<5.0	ug/L	5.0	1	04/25/18 13:04	04/30/18 15:37	88-06-2	
Surrogates								
Nitrobenzene-d5 (S)	44	%	35-114	1	04/25/18 13:04	04/30/18 15:37	4165-60-0	
2-Fluorobiphenyl (S)	46	%	43-116	1	04/25/18 13:04	04/30/18 15:37	321-60-8	
p-Terphenyl-d14 (S)	66	%	33-141	1	04/25/18 13:04	04/30/18 15:37	1718-51-0	
Phenol-d5 (S)	16	%	10-110	1	04/25/18 13:04	04/30/18 15:37	4165-62-2	
2-Fluorophenol (S)	24	%	21-110	1	04/25/18 13:04	04/30/18 15:37	367-12-4	
2,4,6-Tribromophenol (S)	57	%	10-123	1	04/25/18 13:04	04/30/18 15:37	118-79-6	
2-Chlorophenol-d4 (S)	39	%	33-110	1	04/25/18 13:04	04/30/18 15:37	93951-73-6	
1,2-Dichlorobenzene-d4 (S)	40	%	16-110	1	04/25/18 13:04	04/30/18 15:37	2199-69-1	
8260C Volatile Organics								
Analytical Method: EPA 8260C/5030C								
1,1,1-Trichloroethane	<1.0	ug/L	1.0	1		04/22/18 16:32	71-55-6	
1,1,2,2-Tetrachloroethane	<1.0	ug/L	1.0	1		04/22/18 16:32	79-34-5	
1,1,2-Trichloroethane	<1.0	ug/L	1.0	1		04/22/18 16:32	79-00-5	
1,1,2-Trichlorotrifluoroethane	<1.0	ug/L	1.0	1		04/22/18 16:32	76-13-1	
1,1-Dichloroethane	<1.0	ug/L	1.0	1		04/22/18 16:32	75-34-3	L2
1,1-Dichloroethene	<1.0	ug/L	1.0	1		04/22/18 16:32	75-35-4	
1,2,4-Trichlorobenzene	<1.0	ug/L	1.0	1		04/22/18 16:32	120-82-1	
1,2-Dibromo-3-chloropropane	<1.0	ug/L	1.0	1		04/22/18 16:32	96-12-8	
1,2-Dibromoethane (EDB)	<1.0	ug/L	1.0	1		04/22/18 16:32	106-93-4	
1,2-Dichlorobenzene	<1.0	ug/L	1.0	1		04/22/18 16:32	95-50-1	
1,2-Dichloroethane	<1.0	ug/L	1.0	1		04/22/18 16:32	107-06-2	
1,2-Dichloropropane	<1.0	ug/L	1.0	1		04/22/18 16:32	78-87-5	
1,3-Dichlorobenzene	<1.0	ug/L	1.0	1		04/22/18 16:32	541-73-1	
1,4-Dichlorobenzene	<1.0	ug/L	1.0	1		04/22/18 16:32	106-46-7	
2-Butanone (MEK)	<5.0	ug/L	5.0	1		04/22/18 16:32	78-93-3	
2-Hexanone	<5.0	ug/L	5.0	1		04/22/18 16:32	591-78-6	
4-Methyl-2-pentanone (MIBK)	<5.0	ug/L	5.0	1		04/22/18 16:32	108-10-1	
Acetone	<5.0	ug/L	5.0	1		04/22/18 16:32	67-64-1	CL
Benzene	<1.0	ug/L	1.0	1		04/22/18 16:32	71-43-2	
Bromodichloromethane	<1.0	ug/L	1.0	1		04/22/18 16:32	75-27-4	
Bromoform	<1.0	ug/L	1.0	1		04/22/18 16:32	75-25-2	
Bromomethane	<1.0	ug/L	1.0	1		04/22/18 16:32	74-83-9	
Carbon disulfide	<1.0	ug/L	1.0	1		04/22/18 16:32	75-15-0	
Carbon tetrachloride	<1.0	ug/L	1.0	1		04/22/18 16:32	56-23-5	
Chlorobenzene	<1.0	ug/L	1.0	1		04/22/18 16:32	108-90-7	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: FORMER COYNE TEXTILE FACILITY

Pace Project No.: 7049098

Sample: GW-EB100	Lab ID: 7049098001	Collected: 04/19/18 13:15	Received: 04/20/18 10:30	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260C Volatile Organics		Analytical Method: EPA 8260C/5030C						
Chloroethane	<1.0	ug/L	1.0	1		04/22/18 16:32	75-00-3	
Chloroform	<1.0	ug/L	1.0	1		04/22/18 16:32	67-66-3	
Chloromethane	<1.0	ug/L	1.0	1		04/22/18 16:32	74-87-3	
Cyclohexane	<1.0	ug/L	1.0	1		04/22/18 16:32	110-82-7	CL
Dibromochloromethane	<1.0	ug/L	1.0	1		04/22/18 16:32	124-48-1	
Dichlorodifluoromethane	<1.0	ug/L	1.0	1		04/22/18 16:32	75-71-8	CL
Ethylbenzene	<1.0	ug/L	1.0	1		04/22/18 16:32	100-41-4	
Isopropylbenzene (Cumene)	<1.0	ug/L	1.0	1		04/22/18 16:32	98-82-8	
Methyl acetate	<1.0	ug/L	1.0	1		04/22/18 16:32	79-20-9	CL
Methyl-tert-butyl ether	<1.0	ug/L	1.0	1		04/22/18 16:32	1634-04-4	
Methylcyclohexane	<1.0	ug/L	1.0	1		04/22/18 16:32	108-87-2	
Methylene Chloride	<1.0	ug/L	1.0	1		04/22/18 16:32	75-09-2	
Styrene	<1.0	ug/L	1.0	1		04/22/18 16:32	100-42-5	
Tetrachloroethene	2.0	ug/L	1.0	1		04/22/18 16:32	127-18-4	
Toluene	<1.0	ug/L	1.0	1		04/22/18 16:32	108-88-3	
Trichloroethene	<1.0	ug/L	1.0	1		04/22/18 16:32	79-01-6	
Trichlorofluoromethane	<1.0	ug/L	1.0	1		04/22/18 16:32	75-69-4	
Vinyl chloride	<1.0	ug/L	1.0	1		04/22/18 16:32	75-01-4	CL
Xylene (Total)	<3.0	ug/L	3.0	1		04/22/18 16:32	1330-20-7	
cis-1,2-Dichloroethene	<1.0	ug/L	1.0	1		04/22/18 16:32	156-59-2	
cis-1,3-Dichloropropene	<1.0	ug/L	1.0	1		04/22/18 16:32	10061-01-5	
trans-1,2-Dichloroethene	<1.0	ug/L	1.0	1		04/22/18 16:32	156-60-5	
trans-1,3-Dichloropropene	<1.0	ug/L	1.0	1		04/22/18 16:32	10061-02-6	
Surrogates								
1,2-Dichloroethane-d4 (S)	92	%	68-153	1		04/22/18 16:32	17060-07-0	
4-Bromofluorobenzene (S)	102	%	79-124	1		04/22/18 16:32	460-00-4	
Toluene-d8 (S)	102	%	69-124	1		04/22/18 16:32	2037-26-5	

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ANALYTICAL RESULTS

Project: FORMER COYNE TEXTILE FACILITY

Pace Project No.: 7049098

Sample: GW-WC100	Lab ID: 7049098002	Collected: 04/19/18 12:30	Received: 04/20/18 10:30	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8081 GCS Pesticides		Analytical Method: EPA 8081B Preparation Method: EPA 3510C						
Aldrin	<0.050	ug/L	0.050	1	04/20/18 20:39	04/25/18 19:21	309-00-2	
alpha-BHC	<0.050	ug/L	0.050	1	04/20/18 20:39	04/25/18 19:21	319-84-6	
beta-BHC	<0.050	ug/L	0.050	1	04/20/18 20:39	04/25/18 19:21	319-85-7	
delta-BHC	<0.050	ug/L	0.050	1	04/20/18 20:39	04/25/18 19:21	319-86-8	
gamma-BHC (Lindane)	<0.050	ug/L	0.050	1	04/20/18 20:39	04/25/18 19:21	58-89-9	
alpha-Chlordane	<0.050	ug/L	0.050	1	04/20/18 20:39	04/25/18 19:21	5103-71-9	
gamma-Chlordane	<0.050	ug/L	0.050	1	04/20/18 20:39	04/25/18 19:21	5103-74-2	
4,4'-DDD	<0.10	ug/L	0.10	1	04/20/18 20:39	04/25/18 19:21	72-54-8	
4,4'-DDE	<0.10	ug/L	0.10	1	04/20/18 20:39	04/25/18 19:21	72-55-9	
4,4'-DDT	<0.10	ug/L	0.10	1	04/20/18 20:39	04/25/18 19:21	50-29-3	
Dieldrin	<0.10	ug/L	0.10	1	04/20/18 20:39	04/25/18 19:21	60-57-1	
Endosulfan I	<0.050	ug/L	0.050	1	04/20/18 20:39	04/25/18 19:21	959-98-8	
Endosulfan II	<0.10	ug/L	0.10	1	04/20/18 20:39	04/25/18 19:21	33213-65-9	
Endosulfan sulfate	<0.10	ug/L	0.10	1	04/20/18 20:39	04/25/18 19:21	1031-07-8	
Endrin	<0.10	ug/L	0.10	1	04/20/18 20:39	04/25/18 19:21	72-20-8	
Endrin aldehyde	<0.10	ug/L	0.10	1	04/20/18 20:39	04/25/18 19:21	7421-93-4	
Endrin ketone	<0.10	ug/L	0.10	1	04/20/18 20:39	04/25/18 19:21	53494-70-5	
Heptachlor	<0.050	ug/L	0.050	1	04/20/18 20:39	04/25/18 19:21	76-44-8	
Heptachlor epoxide	<0.050	ug/L	0.050	1	04/20/18 20:39	04/25/18 19:21	1024-57-3	
Methoxychlor	<0.50	ug/L	0.50	1	04/20/18 20:39	04/25/18 19:21	72-43-5	
Toxaphene	<5.0	ug/L	5.0	1	04/20/18 20:39	04/25/18 19:21	8001-35-2	
Surrogates								
Decachlorobiphenyl (S)	83	%	30-150	1	04/20/18 20:39	04/25/18 19:21	2051-24-3	
Tetrachloro-m-xylene (S)	49	%	30-150	1	04/20/18 20:39	04/25/18 19:21	877-09-8	
8082 GCS PCB		Analytical Method: EPA 8082A Preparation Method: EPA 3510C						
PCB-1016 (Aroclor 1016)	<1.0	ug/L	1.0	1	04/21/18 04:04	04/23/18 21:56	12674-11-2	
PCB-1221 (Aroclor 1221)	<2.0	ug/L	2.0	1	04/21/18 04:04	04/23/18 21:56	11104-28-2	
PCB-1232 (Aroclor 1232)	<1.0	ug/L	1.0	1	04/21/18 04:04	04/23/18 21:56	11141-16-5	
PCB-1242 (Aroclor 1242)	<1.0	ug/L	1.0	1	04/21/18 04:04	04/23/18 21:56	53469-21-9	
PCB-1248 (Aroclor 1248)	<1.0	ug/L	1.0	1	04/21/18 04:04	04/23/18 21:56	12672-29-6	
PCB-1254 (Aroclor 1254)	<1.0	ug/L	1.0	1	04/21/18 04:04	04/23/18 21:56	11097-69-1	
PCB-1260 (Aroclor 1260)	<1.0	ug/L	1.0	1	04/21/18 04:04	04/23/18 21:56	11096-82-5	
Surrogates								
Tetrachloro-m-xylene (S)	63	%	30-150	1	04/21/18 04:04	04/23/18 21:56	877-09-8	
Decachlorobiphenyl (S)	77	%	30-150	1	04/21/18 04:04	04/23/18 21:56	2051-24-3	
200.7 Metals, Total		Analytical Method: EPA 200.7 Preparation Method: EPA 200.7						
Aluminum	2830	ug/L	200	1	04/20/18 13:27	04/23/18 16:56	7429-90-5	
Antimony	<60.0	ug/L	60.0	1	04/20/18 13:27	04/23/18 16:56	7440-36-0	
Arsenic	<10.0	ug/L	10.0	1	04/20/18 13:27	04/23/18 16:56	7440-38-2	
Barium	667	ug/L	200	1	04/20/18 13:27	04/23/18 16:56	7440-39-3	
Beryllium	<5.0	ug/L	5.0	1	04/20/18 13:27	04/23/18 16:56	7440-41-7	
Cadmium	<2.5	ug/L	2.5	1	04/20/18 13:27	04/23/18 16:56	7440-43-9	
Calcium	179000	ug/L	1000	1	04/20/18 13:27	04/23/18 16:56	7440-70-2	
Chromium	<10.0	ug/L	10.0	1	04/20/18 13:27	04/23/18 16:56	7440-47-3	
Cobalt	<50.0	ug/L	50.0	1	04/20/18 13:27	04/23/18 16:56	7440-48-4	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: FORMER COYNE TEXTILE FACILITY

Pace Project No.: 7049098

Sample: GW-WC100	Lab ID: 7049098002	Collected: 04/19/18 12:30	Received: 04/20/18 10:30	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.7 Metals, Total		Analytical Method: EPA 200.7 Preparation Method: EPA 200.7						
Copper	<25.0	ug/L	25.0	1	04/20/18 13:27	04/23/18 16:56	7440-50-8	
Iron	6570	ug/L	20.0	1	04/20/18 13:27	04/23/18 16:56	7439-89-6	
Lead	31.7	ug/L	5.0	1	04/20/18 13:27	04/23/18 16:56	7439-92-1	
Magnesium	114000	ug/L	1000	1	04/20/18 13:27	04/23/18 16:56	7439-95-4	
Manganese	810	ug/L	10.0	1	04/20/18 13:27	04/23/18 16:56	7439-96-5	
Nickel	41.3	ug/L	40.0	1	04/20/18 13:27	04/23/18 16:56	7440-02-0	
Potassium	20400	ug/L	5000	1	04/20/18 13:27	04/23/18 16:56	7440-09-7	
Selenium	<10.0	ug/L	10.0	1	04/20/18 13:27	04/23/18 16:56	7782-49-2	
Silver	<10.0	ug/L	10.0	1	04/20/18 13:27	04/23/18 16:56	7440-22-4	
Sodium	347000	ug/L	5000	1	04/20/18 13:27	04/23/18 16:56	7440-23-5	
Thallium	17.2	ug/L	10.0	1	04/20/18 13:27	04/23/18 16:56	7440-28-0	
Vanadium	<50.0	ug/L	50.0	1	04/20/18 13:27	04/23/18 16:56	7440-62-2	
Zinc	48.1	ug/L	20.0	1	04/20/18 13:27	04/23/18 16:56	7440-66-6	
7470 Mercury		Analytical Method: EPA 7470A Preparation Method: EPA 7470A						
Mercury	0.25	ug/L	0.20	1	04/20/18 15:28	04/25/18 13:27	7439-97-6	
8270 MSSV		Analytical Method: EPA 8270D Preparation Method: EPA 3510C						
Acenaphthene	<5.0	ug/L	5.0	1	04/25/18 13:04	04/30/18 16:06	83-32-9	
Acenaphthylene	<5.0	ug/L	5.0	1	04/25/18 13:04	04/30/18 16:06	208-96-8	
Acetophenone	<5.0	ug/L	5.0	1	04/25/18 13:04	04/30/18 16:06	98-86-2	
Anthracene	<5.0	ug/L	5.0	1	04/25/18 13:04	04/30/18 16:06	120-12-7	
Atrazine	<5.0	ug/L	5.0	1	04/25/18 13:04	04/30/18 16:06	1912-24-9	IC
Benzaldehyde	<5.0	ug/L	5.0	1	04/25/18 13:04	04/30/18 16:06	100-52-7	IC,IL
Benzo(a)anthracene	<5.0	ug/L	5.0	1	04/25/18 13:04	04/30/18 16:06	56-55-3	
Benzo(a)pyrene	<5.0	ug/L	5.0	1	04/25/18 13:04	04/30/18 16:06	50-32-8	
Benzo(b)fluoranthene	<5.0	ug/L	5.0	1	04/25/18 13:04	04/30/18 16:06	205-99-2	
Benzo(g,h,i)perylene	<5.0	ug/L	5.0	1	04/25/18 13:04	04/30/18 16:06	191-24-2	
Benzo(k)fluoranthene	<5.0	ug/L	5.0	1	04/25/18 13:04	04/30/18 16:06	207-08-9	
Biphenyl (Diphenyl)	<5.0	ug/L	5.0	1	04/25/18 13:04	04/30/18 16:06	92-52-4	
4-Bromophenylphenyl ether	<5.0	ug/L	5.0	1	04/25/18 13:04	04/30/18 16:06	101-55-3	
Butylbenzylphthalate	<5.0	ug/L	5.0	1	04/25/18 13:04	04/30/18 16:06	85-68-7	
Caprolactam	<5.0	ug/L	5.0	1	04/25/18 13:04	04/30/18 16:06	105-60-2	
Carbazole	<5.0	ug/L	5.0	1	04/25/18 13:04	04/30/18 16:06	86-74-8	
4-Chloro-3-methylphenol	<5.0	ug/L	5.0	1	04/25/18 13:04	04/30/18 16:06	59-50-7	
4-Chloroaniline	<5.0	ug/L	5.0	1	04/25/18 13:04	04/30/18 16:06	106-47-8	
bis(2-Chloroethoxy)methane	<5.0	ug/L	5.0	1	04/25/18 13:04	04/30/18 16:06	111-91-1	
bis(2-Chloroethyl) ether	<5.0	ug/L	5.0	1	04/25/18 13:04	04/30/18 16:06	111-44-4	
2-Chloronaphthalene	<5.0	ug/L	5.0	1	04/25/18 13:04	04/30/18 16:06	91-58-7	
2-Chlorophenol	<5.0	ug/L	5.0	1	04/25/18 13:04	04/30/18 16:06	95-57-8	
4-Chlorophenylphenyl ether	<5.0	ug/L	5.0	1	04/25/18 13:04	04/30/18 16:06	7005-72-3	
Chrysene	<5.0	ug/L	5.0	1	04/25/18 13:04	04/30/18 16:06	218-01-9	
Dibenz(a,h)anthracene	<5.0	ug/L	5.0	1	04/25/18 13:04	04/30/18 16:06	53-70-3	
Dibenzofuran	<5.0	ug/L	5.0	1	04/25/18 13:04	04/30/18 16:06	132-64-9	
3,3'-Dichlorobenzidine	<5.0	ug/L	5.0	1	04/25/18 13:04	04/30/18 16:06	91-94-1	
2,4-Dichlorophenol	<5.0	ug/L	5.0	1	04/25/18 13:04	04/30/18 16:06	120-83-2	

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ANALYTICAL RESULTS

Project: FORMER COYNE TEXTILE FACILITY

Pace Project No.: 7049098

Sample: GW-WC100	Lab ID: 7049098002	Collected: 04/19/18 12:30	Received: 04/20/18 10:30	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV								
Analytical Method: EPA 8270D Preparation Method: EPA 3510C								
Diethylphthalate	<5.0	ug/L	5.0	1	04/25/18 13:04	04/30/18 16:06	84-66-2	
2,4-Dimethylphenol	<5.0	ug/L	5.0	1	04/25/18 13:04	04/30/18 16:06	105-67-9	
Dimethylphthalate	<5.0	ug/L	5.0	1	04/25/18 13:04	04/30/18 16:06	131-11-3	
Di-n-butylphthalate	<5.0	ug/L	5.0	1	04/25/18 13:04	04/30/18 16:06	84-74-2	
4,6-Dinitro-2-methylphenol	<10.0	ug/L	10.0	1	04/25/18 13:04	04/30/18 16:06	534-52-1	
2,4-Dinitrophenol	<10.0	ug/L	10.0	1	04/25/18 13:04	04/30/18 16:06	51-28-5	
2,4-Dinitrotoluene	<5.0	ug/L	5.0	1	04/25/18 13:04	04/30/18 16:06	121-14-2	
2,6-Dinitrotoluene	<5.0	ug/L	5.0	1	04/25/18 13:04	04/30/18 16:06	606-20-2	
Di-n-octylphthalate	<5.0	ug/L	5.0	1	04/25/18 13:04	04/30/18 16:06	117-84-0	
bis(2-Ethylhexyl)phthalate	<5.0	ug/L	5.0	1	04/25/18 13:04	04/30/18 16:06	117-81-7	
Fluoranthene	<5.0	ug/L	5.0	1	04/25/18 13:04	04/30/18 16:06	206-44-0	
Fluorene	<5.0	ug/L	5.0	1	04/25/18 13:04	04/30/18 16:06	86-73-7	
Hexachloro-1,3-butadiene	<5.0	ug/L	5.0	1	04/25/18 13:04	04/30/18 16:06	87-68-3	
Hexachlorobenzene	<5.0	ug/L	5.0	1	04/25/18 13:04	04/30/18 16:06	118-74-1	
Hexachlorocyclopentadiene	<5.0	ug/L	5.0	1	04/25/18 13:04	04/30/18 16:06	77-47-4	
Hexachloroethane	<5.0	ug/L	5.0	1	04/25/18 13:04	04/30/18 16:06	67-72-1	
Indeno(1,2,3-cd)pyrene	<5.0	ug/L	5.0	1	04/25/18 13:04	04/30/18 16:06	193-39-5	
Isophorone	<5.0	ug/L	5.0	1	04/25/18 13:04	04/30/18 16:06	78-59-1	
2-Methylnaphthalene	<5.0	ug/L	5.0	1	04/25/18 13:04	04/30/18 16:06	91-57-6	
2-Methylphenol(o-Cresol)	<5.0	ug/L	5.0	1	04/25/18 13:04	04/30/18 16:06	95-48-7	
3&4-Methylphenol(m&p Cresol)	<5.0	ug/L	5.0	1	04/25/18 13:04	04/30/18 16:06		
Naphthalene	<5.0	ug/L	5.0	1	04/25/18 13:04	04/30/18 16:06	91-20-3	
2-Nitroaniline	<5.0	ug/L	5.0	1	04/25/18 13:04	04/30/18 16:06	88-74-4	
3-Nitroaniline	<5.0	ug/L	5.0	1	04/25/18 13:04	04/30/18 16:06	99-09-2	
4-Nitroaniline	<5.0	ug/L	5.0	1	04/25/18 13:04	04/30/18 16:06	100-01-6	
Nitrobenzene	<5.0	ug/L	5.0	1	04/25/18 13:04	04/30/18 16:06	98-95-3	
2-Nitrophenol	<5.0	ug/L	5.0	1	04/25/18 13:04	04/30/18 16:06	88-75-5	
4-Nitrophenol	<10.0	ug/L	10.0	1	04/25/18 13:04	04/30/18 16:06	100-02-7	
N-Nitroso-di-n-propylamine	<5.0	ug/L	5.0	1	04/25/18 13:04	04/30/18 16:06	621-64-7	
N-Nitrosodiphenylamine	<5.0	ug/L	5.0	1	04/25/18 13:04	04/30/18 16:06	86-30-6	
2,2'-Oxybis(1-chloropropane)	<5.0	ug/L	5.0	1	04/25/18 13:04	04/30/18 16:06	108-60-1	
Pentachlorophenol	<10.0	ug/L	10.0	1	04/25/18 13:04	04/30/18 16:06	87-86-5	
Phenanthrene	<5.0	ug/L	5.0	1	04/25/18 13:04	04/30/18 16:06	85-01-8	
Phenol	<5.0	ug/L	5.0	1	04/25/18 13:04	04/30/18 16:06	108-95-2	
Pyrene	<5.0	ug/L	5.0	1	04/25/18 13:04	04/30/18 16:06	129-00-0	
2,4,5-Trichlorophenol	<5.0	ug/L	5.0	1	04/25/18 13:04	04/30/18 16:06	95-95-4	
2,4,6-Trichlorophenol	<5.0	ug/L	5.0	1	04/25/18 13:04	04/30/18 16:06	88-06-2	
Surrogates								
Nitrobenzene-d5 (S)	48	%	35-114	1	04/25/18 13:04	04/30/18 16:06	4165-60-0	
2-Fluorobiphenyl (S)	53	%	43-116	1	04/25/18 13:04	04/30/18 16:06	321-60-8	
p-Terphenyl-d14 (S)	58	%	33-141	1	04/25/18 13:04	04/30/18 16:06	1718-51-0	
Phenol-d5 (S)	20	%	10-110	1	04/25/18 13:04	04/30/18 16:06	4165-62-2	
2-Fluorophenol (S)	28	%	21-110	1	04/25/18 13:04	04/30/18 16:06	367-12-4	
2,4,6-Tribromophenol (S)	66	%	10-123	1	04/25/18 13:04	04/30/18 16:06	118-79-6	
2-Chlorophenol-d4 (S)	43	%	33-110	1	04/25/18 13:04	04/30/18 16:06	93951-73-6	
1,2-Dichlorobenzene-d4 (S)	44	%	16-110	1	04/25/18 13:04	04/30/18 16:06	2199-69-1	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: FORMER COYNE TEXTILE FACILITY

Pace Project No.: 7049098

Sample: GW-WC100	Lab ID: 7049098002	Collected: 04/19/18 12:30	Received: 04/20/18 10:30	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260C Volatile Organics		Analytical Method: EPA 8260C/5030C						
1,1,1-Trichloroethane	<1.0	ug/L	1.0	1		04/22/18 19:28	71-55-6	
1,1,2,2-Tetrachloroethane	<1.0	ug/L	1.0	1		04/22/18 19:28	79-34-5	
1,1,2-Trichloroethane	<1.0	ug/L	1.0	1		04/22/18 19:28	79-00-5	
1,1,2-Trichlorotrifluoroethane	<1.0	ug/L	1.0	1		04/22/18 19:28	76-13-1	
1,1-Dichloroethane	<1.0	ug/L	1.0	1		04/22/18 19:28	75-34-3	L2
1,1-Dichloroethene	<1.0	ug/L	1.0	1		04/22/18 19:28	75-35-4	
1,2,4-Trichlorobenzene	<1.0	ug/L	1.0	1		04/22/18 19:28	120-82-1	
1,2-Dibromo-3-chloropropane	<1.0	ug/L	1.0	1		04/22/18 19:28	96-12-8	
1,2-Dibromoethane (EDB)	<1.0	ug/L	1.0	1		04/22/18 19:28	106-93-4	
1,2-Dichlorobenzene	<1.0	ug/L	1.0	1		04/22/18 19:28	95-50-1	
1,2-Dichloroethane	<1.0	ug/L	1.0	1		04/22/18 19:28	107-06-2	
1,2-Dichloropropane	<1.0	ug/L	1.0	1		04/22/18 19:28	78-87-5	
1,3-Dichlorobenzene	<1.0	ug/L	1.0	1		04/22/18 19:28	541-73-1	
1,4-Dichlorobenzene	<1.0	ug/L	1.0	1		04/22/18 19:28	106-46-7	
2-Butanone (MEK)	<5.0	ug/L	5.0	1		04/22/18 19:28	78-93-3	
2-Hexanone	<5.0	ug/L	5.0	1		04/22/18 19:28	591-78-6	
4-Methyl-2-pentanone (MIBK)	<5.0	ug/L	5.0	1		04/22/18 19:28	108-10-1	
Acetone	<5.0	ug/L	5.0	1		04/22/18 19:28	67-64-1	CL
Benzene	15.9	ug/L	1.0	1		04/22/18 19:28	71-43-2	
Bromodichloromethane	<1.0	ug/L	1.0	1		04/22/18 19:28	75-27-4	
Bromoform	<1.0	ug/L	1.0	1		04/22/18 19:28	75-25-2	
Bromomethane	<1.0	ug/L	1.0	1		04/22/18 19:28	74-83-9	
Carbon disulfide	<1.0	ug/L	1.0	1		04/22/18 19:28	75-15-0	
Carbon tetrachloride	<1.0	ug/L	1.0	1		04/22/18 19:28	56-23-5	
Chlorobenzene	<1.0	ug/L	1.0	1		04/22/18 19:28	108-90-7	
Chloroethane	<1.0	ug/L	1.0	1		04/22/18 19:28	75-00-3	
Chloroform	<1.0	ug/L	1.0	1		04/22/18 19:28	67-66-3	
Chloromethane	<1.0	ug/L	1.0	1		04/22/18 19:28	74-87-3	
Cyclohexane	1.5	ug/L	1.0	1		04/22/18 19:28	110-82-7	CL
Dibromochloromethane	<1.0	ug/L	1.0	1		04/22/18 19:28	124-48-1	
Dichlorodifluoromethane	<1.0	ug/L	1.0	1		04/22/18 19:28	75-71-8	CL
Ethylbenzene	<1.0	ug/L	1.0	1		04/22/18 19:28	100-41-4	
Isopropylbenzene (Cumene)	11.9	ug/L	1.0	1		04/22/18 19:28	98-82-8	
Methyl acetate	<1.0	ug/L	1.0	1		04/22/18 19:28	79-20-9	CL
Methyl-tert-butyl ether	<1.0	ug/L	1.0	1		04/22/18 19:28	1634-04-4	
Methylcyclohexane	2.4	ug/L	1.0	1		04/22/18 19:28	108-87-2	
Methylene Chloride	<1.0	ug/L	1.0	1		04/22/18 19:28	75-09-2	
Styrene	<1.0	ug/L	1.0	1		04/22/18 19:28	100-42-5	
Tetrachloroethene	3.0	ug/L	1.0	1		04/22/18 19:28	127-18-4	
Toluene	<1.0	ug/L	1.0	1		04/22/18 19:28	108-88-3	
Trichloroethene	<1.0	ug/L	1.0	1		04/22/18 19:28	79-01-6	
Trichlorofluoromethane	<1.0	ug/L	1.0	1		04/22/18 19:28	75-69-4	
Vinyl chloride	3.9	ug/L	1.0	1		04/22/18 19:28	75-01-4	CL
Xylene (Total)	<3.0	ug/L	3.0	1		04/22/18 19:28	1330-20-7	
cis-1,2-Dichloroethene	3.8	ug/L	1.0	1		04/22/18 19:28	156-59-2	
cis-1,3-Dichloropropene	<1.0	ug/L	1.0	1		04/22/18 19:28	10061-01-5	
trans-1,2-Dichloroethene	<1.0	ug/L	1.0	1		04/22/18 19:28	156-60-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: FORMER COYNE TEXTILE FACILITY

Pace Project No.: 7049098

Sample: GW-WC100		Lab ID: 7049098002		Collected: 04/19/18 12:30	Received: 04/20/18 10:30	Matrix: Water		
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260C Volatile Organics		Analytical Method: EPA 8260C/5030C						
trans-1,3-Dichloropropene	<1.0	ug/L	1.0	1		04/22/18 19:28	10061-02-6	
Surrogates								
1,2-Dichloroethane-d4 (S)	91	%	68-153	1		04/22/18 19:28	17060-07-0	
4-Bromofluorobenzene (S)	117	%	79-124	1		04/22/18 19:28	460-00-4	
Toluene-d8 (S)	100	%	69-124	1		04/22/18 19:28	2037-26-5	
9040 Corrosivity-pH >20% water		Analytical Method: EPA 9040C						
pH at 25 Degrees C	7.0	Std. Units	0.10	1		04/21/18 12:36		H3,H6

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ANALYTICAL RESULTS

Project: FORMER COYNE TEXTILE FACILITY
Pace Project No.: 7049098

Sample: GW-WC101	Lab ID: 7049098003	Collected: 04/19/18 12:35	Received: 04/20/18 10:30	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8081 GCS Pesticides								
Analytical Method: EPA 8081B Preparation Method: EPA 3510C								
Aldrin	<0.050	ug/L	0.050	1	04/20/18 20:39	04/25/18 19:50	309-00-2	
alpha-BHC	<0.050	ug/L	0.050	1	04/20/18 20:39	04/25/18 19:50	319-84-6	
beta-BHC	<0.050	ug/L	0.050	1	04/20/18 20:39	04/25/18 19:50	319-85-7	
delta-BHC	<0.050	ug/L	0.050	1	04/20/18 20:39	04/25/18 19:50	319-86-8	
gamma-BHC (Lindane)	<0.050	ug/L	0.050	1	04/20/18 20:39	04/25/18 19:50	58-89-9	
alpha-Chlordane	<0.050	ug/L	0.050	1	04/20/18 20:39	04/25/18 19:50	5103-71-9	
gamma-Chlordane	<0.050	ug/L	0.050	1	04/20/18 20:39	04/25/18 19:50	5103-74-2	
4,4'-DDD	<0.10	ug/L	0.10	1	04/20/18 20:39	04/25/18 19:50	72-54-8	
4,4'-DDE	<0.10	ug/L	0.10	1	04/20/18 20:39	04/25/18 19:50	72-55-9	
4,4'-DDT	<0.10	ug/L	0.10	1	04/20/18 20:39	04/25/18 19:50	50-29-3	
Dieldrin	<0.10	ug/L	0.10	1	04/20/18 20:39	04/25/18 19:50	60-57-1	
Endosulfan I	<0.050	ug/L	0.050	1	04/20/18 20:39	04/25/18 19:50	959-98-8	
Endosulfan II	<0.10	ug/L	0.10	1	04/20/18 20:39	04/25/18 19:50	33213-65-9	
Endosulfan sulfate	<0.10	ug/L	0.10	1	04/20/18 20:39	04/25/18 19:50	1031-07-8	
Endrin	<0.10	ug/L	0.10	1	04/20/18 20:39	04/25/18 19:50	72-20-8	
Endrin aldehyde	<0.10	ug/L	0.10	1	04/20/18 20:39	04/25/18 19:50	7421-93-4	
Endrin ketone	<0.10	ug/L	0.10	1	04/20/18 20:39	04/25/18 19:50	53494-70-5	
Heptachlor	<0.050	ug/L	0.050	1	04/20/18 20:39	04/25/18 19:50	76-44-8	
Heptachlor epoxide	<0.050	ug/L	0.050	1	04/20/18 20:39	04/25/18 19:50	1024-57-3	
Methoxychlor	<0.50	ug/L	0.50	1	04/20/18 20:39	04/25/18 19:50	72-43-5	
Toxaphene	<5.0	ug/L	5.0	1	04/20/18 20:39	04/25/18 19:50	8001-35-2	
Surrogates								
Decachlorobiphenyl (S)	79	%	30-150	1	04/20/18 20:39	04/25/18 19:50	2051-24-3	
Tetrachloro-m-xylene (S)	58	%	30-150	1	04/20/18 20:39	04/25/18 19:50	877-09-8	
8082 GCS PCB								
Analytical Method: EPA 8082A Preparation Method: EPA 3510C								
PCB-1016 (Aroclor 1016)	<1.0	ug/L	1.0	1	04/21/18 04:04	04/24/18 19:30	12674-11-2	
PCB-1221 (Aroclor 1221)	<2.0	ug/L	2.0	1	04/21/18 04:04	04/24/18 19:30	11104-28-2	
PCB-1232 (Aroclor 1232)	<1.0	ug/L	1.0	1	04/21/18 04:04	04/24/18 19:30	11141-16-5	
PCB-1242 (Aroclor 1242)	<1.0	ug/L	1.0	1	04/21/18 04:04	04/24/18 19:30	53469-21-9	
PCB-1248 (Aroclor 1248)	<1.0	ug/L	1.0	1	04/21/18 04:04	04/24/18 19:30	12672-29-6	
PCB-1254 (Aroclor 1254)	<1.0	ug/L	1.0	1	04/21/18 04:04	04/24/18 19:30	11097-69-1	
PCB-1260 (Aroclor 1260)	<1.0	ug/L	1.0	1	04/21/18 04:04	04/24/18 19:30	11096-82-5	
Surrogates								
Tetrachloro-m-xylene (S)	69	%	30-150	1	04/21/18 04:04	04/24/18 19:30	877-09-8	
Decachlorobiphenyl (S)	82	%	30-150	1	04/21/18 04:04	04/24/18 19:30	2051-24-3	
200.7 Metals, Total								
Analytical Method: EPA 200.7 Preparation Method: EPA 200.7								
Aluminum	337	ug/L	200	1	04/20/18 13:27	04/23/18 16:57	7429-90-5	
Antimony	<60.0	ug/L	60.0	1	04/20/18 13:27	04/23/18 16:57	7440-36-0	
Arsenic	<10.0	ug/L	10.0	1	04/20/18 13:27	04/23/18 16:57	7440-38-2	
Barium	2150	ug/L	200	1	04/20/18 13:27	04/23/18 16:57	7440-39-3	
Beryllium	<5.0	ug/L	5.0	1	04/20/18 13:27	04/23/18 16:57	7440-41-7	
Cadmium	<2.5	ug/L	2.5	1	04/20/18 13:27	04/23/18 16:57	7440-43-9	
Calcium	183000	ug/L	1000	1	04/20/18 13:27	04/23/18 16:57	7440-70-2	
Chromium	<10.0	ug/L	10.0	1	04/20/18 13:27	04/23/18 16:57	7440-47-3	
Cobalt	<50.0	ug/L	50.0	1	04/20/18 13:27	04/23/18 16:57	7440-48-4	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: FORMER COYNE TEXTILE FACILITY

Pace Project No.: 7049098

Sample: GW-WC101	Lab ID: 7049098003	Collected: 04/19/18 12:35	Received: 04/20/18 10:30	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.7 Metals, Total		Analytical Method: EPA 200.7 Preparation Method: EPA 200.7						
Copper	<25.0	ug/L	25.0	1	04/20/18 13:27	04/23/18 16:57	7440-50-8	
Iron	3860	ug/L	20.0	1	04/20/18 13:27	04/23/18 16:57	7439-89-6	
Lead	<5.0	ug/L	5.0	1	04/20/18 13:27	04/23/18 16:57	7439-92-1	
Magnesium	68900	ug/L	1000	1	04/20/18 13:27	04/23/18 16:57	7439-95-4	
Manganese	418	ug/L	10.0	1	04/20/18 13:27	04/23/18 16:57	7439-96-5	
Nickel	<40.0	ug/L	40.0	1	04/20/18 13:27	04/23/18 16:57	7440-02-0	
Potassium	16400	ug/L	5000	1	04/20/18 13:27	04/23/18 16:57	7440-09-7	
Selenium	<10.0	ug/L	10.0	1	04/20/18 13:27	04/23/18 16:57	7782-49-2	
Silver	<10.0	ug/L	10.0	1	04/20/18 13:27	04/23/18 16:57	7440-22-4	
Sodium	118000	ug/L	5000	1	04/20/18 13:27	04/23/18 16:57	7440-23-5	
Thallium	10.4	ug/L	10.0	1	04/20/18 13:27	04/23/18 16:57	7440-28-0	
Vanadium	<50.0	ug/L	50.0	1	04/20/18 13:27	04/23/18 16:57	7440-62-2	
Zinc	23.5	ug/L	20.0	1	04/20/18 13:27	04/23/18 16:57	7440-66-6	
7470 Mercury		Analytical Method: EPA 7470A Preparation Method: EPA 7470A						
Mercury	<0.20	ug/L	0.20	1	04/20/18 15:28	04/25/18 13:28	7439-97-6	
8270 MSSV		Analytical Method: EPA 8270D Preparation Method: EPA 3510C						
Acenaphthene	<5.0	ug/L	5.0	1	04/25/18 13:04	04/30/18 16:34	83-32-9	
Acenaphthylene	<5.0	ug/L	5.0	1	04/25/18 13:04	04/30/18 16:34	208-96-8	
Acetophenone	<5.0	ug/L	5.0	1	04/25/18 13:04	04/30/18 16:34	98-86-2	
Anthracene	<5.0	ug/L	5.0	1	04/25/18 13:04	04/30/18 16:34	120-12-7	
Atrazine	<5.0	ug/L	5.0	1	04/25/18 13:04	04/30/18 16:34	1912-24-9	IC
Benzaldehyde	<5.0	ug/L	5.0	1	04/25/18 13:04	04/30/18 16:34	100-52-7	IC,IL
Benzo(a)anthracene	<5.0	ug/L	5.0	1	04/25/18 13:04	04/30/18 16:34	56-55-3	
Benzo(a)pyrene	<5.0	ug/L	5.0	1	04/25/18 13:04	04/30/18 16:34	50-32-8	
Benzo(b)fluoranthene	<5.0	ug/L	5.0	1	04/25/18 13:04	04/30/18 16:34	205-99-2	
Benzo(g,h,i)perylene	<5.0	ug/L	5.0	1	04/25/18 13:04	04/30/18 16:34	191-24-2	
Benzo(k)fluoranthene	<5.0	ug/L	5.0	1	04/25/18 13:04	04/30/18 16:34	207-08-9	
Biphenyl (Diphenyl)	<5.0	ug/L	5.0	1	04/25/18 13:04	04/30/18 16:34	92-52-4	
4-Bromophenylphenyl ether	<5.0	ug/L	5.0	1	04/25/18 13:04	04/30/18 16:34	101-55-3	
Butylbenzylphthalate	<5.0	ug/L	5.0	1	04/25/18 13:04	04/30/18 16:34	85-68-7	
Caprolactam	<5.0	ug/L	5.0	1	04/25/18 13:04	04/30/18 16:34	105-60-2	
Carbazole	<5.0	ug/L	5.0	1	04/25/18 13:04	04/30/18 16:34	86-74-8	
4-Chloro-3-methylphenol	<5.0	ug/L	5.0	1	04/25/18 13:04	04/30/18 16:34	59-50-7	
4-Chloroaniline	<5.0	ug/L	5.0	1	04/25/18 13:04	04/30/18 16:34	106-47-8	
bis(2-Chloroethoxy)methane	<5.0	ug/L	5.0	1	04/25/18 13:04	04/30/18 16:34	111-91-1	
bis(2-Chloroethyl) ether	<5.0	ug/L	5.0	1	04/25/18 13:04	04/30/18 16:34	111-44-4	
2-Chloronaphthalene	<5.0	ug/L	5.0	1	04/25/18 13:04	04/30/18 16:34	91-58-7	
2-Chlorophenol	<5.0	ug/L	5.0	1	04/25/18 13:04	04/30/18 16:34	95-57-8	
4-Chlorophenylphenyl ether	<5.0	ug/L	5.0	1	04/25/18 13:04	04/30/18 16:34	7005-72-3	
Chrysene	<5.0	ug/L	5.0	1	04/25/18 13:04	04/30/18 16:34	218-01-9	
Dibenz(a,h)anthracene	<5.0	ug/L	5.0	1	04/25/18 13:04	04/30/18 16:34	53-70-3	
Dibenzofuran	<5.0	ug/L	5.0	1	04/25/18 13:04	04/30/18 16:34	132-64-9	
3,3'-Dichlorobenzidine	<5.0	ug/L	5.0	1	04/25/18 13:04	04/30/18 16:34	91-94-1	
2,4-Dichlorophenol	<5.0	ug/L	5.0	1	04/25/18 13:04	04/30/18 16:34	120-83-2	

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ANALYTICAL RESULTS

Project: FORMER COYNE TEXTILE FACILITY

Pace Project No.: 7049098

Sample: GW-WC101	Lab ID: 7049098003	Collected: 04/19/18 12:35	Received: 04/20/18 10:30	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV								
Analytical Method: EPA 8270D Preparation Method: EPA 3510C								
Diethylphthalate	<5.0	ug/L	5.0	1	04/25/18 13:04	04/30/18 16:34	84-66-2	
2,4-Dimethylphenol	<5.0	ug/L	5.0	1	04/25/18 13:04	04/30/18 16:34	105-67-9	
Dimethylphthalate	<5.0	ug/L	5.0	1	04/25/18 13:04	04/30/18 16:34	131-11-3	
Di-n-butylphthalate	<5.0	ug/L	5.0	1	04/25/18 13:04	04/30/18 16:34	84-74-2	
4,6-Dinitro-2-methylphenol	<10.0	ug/L	10.0	1	04/25/18 13:04	04/30/18 16:34	534-52-1	
2,4-Dinitrophenol	<10.0	ug/L	10.0	1	04/25/18 13:04	04/30/18 16:34	51-28-5	
2,4-Dinitrotoluene	<5.0	ug/L	5.0	1	04/25/18 13:04	04/30/18 16:34	121-14-2	
2,6-Dinitrotoluene	<5.0	ug/L	5.0	1	04/25/18 13:04	04/30/18 16:34	606-20-2	
Di-n-octylphthalate	<5.0	ug/L	5.0	1	04/25/18 13:04	04/30/18 16:34	117-84-0	
bis(2-Ethylhexyl)phthalate	<5.0	ug/L	5.0	1	04/25/18 13:04	04/30/18 16:34	117-81-7	
Fluoranthene	<5.0	ug/L	5.0	1	04/25/18 13:04	04/30/18 16:34	206-44-0	
Fluorene	<5.0	ug/L	5.0	1	04/25/18 13:04	04/30/18 16:34	86-73-7	
Hexachloro-1,3-butadiene	<5.0	ug/L	5.0	1	04/25/18 13:04	04/30/18 16:34	87-68-3	
Hexachlorobenzene	<5.0	ug/L	5.0	1	04/25/18 13:04	04/30/18 16:34	118-74-1	
Hexachlorocyclopentadiene	<5.0	ug/L	5.0	1	04/25/18 13:04	04/30/18 16:34	77-47-4	
Hexachloroethane	<5.0	ug/L	5.0	1	04/25/18 13:04	04/30/18 16:34	67-72-1	
Indeno(1,2,3-cd)pyrene	<5.0	ug/L	5.0	1	04/25/18 13:04	04/30/18 16:34	193-39-5	
Isophorone	<5.0	ug/L	5.0	1	04/25/18 13:04	04/30/18 16:34	78-59-1	
2-Methylnaphthalene	<5.0	ug/L	5.0	1	04/25/18 13:04	04/30/18 16:34	91-57-6	
2-Methylphenol(o-Cresol)	<5.0	ug/L	5.0	1	04/25/18 13:04	04/30/18 16:34	95-48-7	
3&4-Methylphenol(m&p Cresol)	<5.0	ug/L	5.0	1	04/25/18 13:04	04/30/18 16:34		
Naphthalene	<5.0	ug/L	5.0	1	04/25/18 13:04	04/30/18 16:34	91-20-3	
2-Nitroaniline	<5.0	ug/L	5.0	1	04/25/18 13:04	04/30/18 16:34	88-74-4	
3-Nitroaniline	<5.0	ug/L	5.0	1	04/25/18 13:04	04/30/18 16:34	99-09-2	
4-Nitroaniline	<5.0	ug/L	5.0	1	04/25/18 13:04	04/30/18 16:34	100-01-6	
Nitrobenzene	<5.0	ug/L	5.0	1	04/25/18 13:04	04/30/18 16:34	98-95-3	
2-Nitrophenol	<5.0	ug/L	5.0	1	04/25/18 13:04	04/30/18 16:34	88-75-5	
4-Nitrophenol	<10.0	ug/L	10.0	1	04/25/18 13:04	04/30/18 16:34	100-02-7	
N-Nitroso-di-n-propylamine	<5.0	ug/L	5.0	1	04/25/18 13:04	04/30/18 16:34	621-64-7	
N-Nitrosodiphenylamine	<5.0	ug/L	5.0	1	04/25/18 13:04	04/30/18 16:34	86-30-6	
2,2'-Oxybis(1-chloropropane)	<5.0	ug/L	5.0	1	04/25/18 13:04	04/30/18 16:34	108-60-1	
Pentachlorophenol	<10.0	ug/L	10.0	1	04/25/18 13:04	04/30/18 16:34	87-86-5	
Phenanthrene	<5.0	ug/L	5.0	1	04/25/18 13:04	04/30/18 16:34	85-01-8	
Phenol	<5.0	ug/L	5.0	1	04/25/18 13:04	04/30/18 16:34	108-95-2	
Pyrene	<5.0	ug/L	5.0	1	04/25/18 13:04	04/30/18 16:34	129-00-0	
2,4,5-Trichlorophenol	<5.0	ug/L	5.0	1	04/25/18 13:04	04/30/18 16:34	95-95-4	
2,4,6-Trichlorophenol	<5.0	ug/L	5.0	1	04/25/18 13:04	04/30/18 16:34	88-06-2	
Surrogates								
Nitrobenzene-d5 (S)	53	%	35-114	1	04/25/18 13:04	04/30/18 16:34	4165-60-0	
2-Fluorobiphenyl (S)	55	%	43-116	1	04/25/18 13:04	04/30/18 16:34	321-60-8	
p-Terphenyl-d14 (S)	63	%	33-141	1	04/25/18 13:04	04/30/18 16:34	1718-51-0	
Phenol-d5 (S)	21	%	10-110	1	04/25/18 13:04	04/30/18 16:34	4165-62-2	
2-Fluorophenol (S)	31	%	21-110	1	04/25/18 13:04	04/30/18 16:34	367-12-4	
2,4,6-Tribromophenol (S)	66	%	10-123	1	04/25/18 13:04	04/30/18 16:34	118-79-6	
2-Chlorophenol-d4 (S)	46	%	33-110	1	04/25/18 13:04	04/30/18 16:34	93951-73-6	
1,2-Dichlorobenzene-d4 (S)	47	%	16-110	1	04/25/18 13:04	04/30/18 16:34	2199-69-1	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: FORMER COYNE TEXTILE FACILITY

Pace Project No.: 7049098

Sample: GW-WC101	Lab ID: 7049098003	Collected: 04/19/18 12:35	Received: 04/20/18 10:30	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260C Volatile Organics		Analytical Method: EPA 8260C/5030C						
1,1,1-Trichloroethane	<1.0	ug/L	1.0	1		04/22/18 19:53	71-55-6	
1,1,2,2-Tetrachloroethane	<1.0	ug/L	1.0	1		04/22/18 19:53	79-34-5	
1,1,2-Trichloroethane	<1.0	ug/L	1.0	1		04/22/18 19:53	79-00-5	
1,1,2-Trichlorotrifluoroethane	<1.0	ug/L	1.0	1		04/22/18 19:53	76-13-1	
1,1-Dichloroethane	<1.0	ug/L	1.0	1		04/22/18 19:53	75-34-3	L2
1,1-Dichloroethene	<1.0	ug/L	1.0	1		04/22/18 19:53	75-35-4	
1,2,4-Trichlorobenzene	<1.0	ug/L	1.0	1		04/22/18 19:53	120-82-1	
1,2-Dibromo-3-chloropropane	<1.0	ug/L	1.0	1		04/22/18 19:53	96-12-8	
1,2-Dibromoethane (EDB)	<1.0	ug/L	1.0	1		04/22/18 19:53	106-93-4	
1,2-Dichlorobenzene	<1.0	ug/L	1.0	1		04/22/18 19:53	95-50-1	
1,2-Dichloroethane	<1.0	ug/L	1.0	1		04/22/18 19:53	107-06-2	
1,2-Dichloropropane	<1.0	ug/L	1.0	1		04/22/18 19:53	78-87-5	
1,3-Dichlorobenzene	<1.0	ug/L	1.0	1		04/22/18 19:53	541-73-1	
1,4-Dichlorobenzene	<1.0	ug/L	1.0	1		04/22/18 19:53	106-46-7	
2-Butanone (MEK)	<5.0	ug/L	5.0	1		04/22/18 19:53	78-93-3	
2-Hexanone	<5.0	ug/L	5.0	1		04/22/18 19:53	591-78-6	
4-Methyl-2-pentanone (MIBK)	<5.0	ug/L	5.0	1		04/22/18 19:53	108-10-1	
Acetone	<5.0	ug/L	5.0	1		04/22/18 19:53	67-64-1	CL
Benzene	60.4	ug/L	1.0	1		04/22/18 19:53	71-43-2	
Bromodichloromethane	<1.0	ug/L	1.0	1		04/22/18 19:53	75-27-4	
Bromoform	<1.0	ug/L	1.0	1		04/22/18 19:53	75-25-2	
Bromomethane	<1.0	ug/L	1.0	1		04/22/18 19:53	74-83-9	
Carbon disulfide	<1.0	ug/L	1.0	1		04/22/18 19:53	75-15-0	
Carbon tetrachloride	<1.0	ug/L	1.0	1		04/22/18 19:53	56-23-5	
Chlorobenzene	<1.0	ug/L	1.0	1		04/22/18 19:53	108-90-7	
Chloroethane	<1.0	ug/L	1.0	1		04/22/18 19:53	75-00-3	
Chloroform	<1.0	ug/L	1.0	1		04/22/18 19:53	67-66-3	
Chloromethane	<1.0	ug/L	1.0	1		04/22/18 19:53	74-87-3	
Cyclohexane	<1.0	ug/L	1.0	1		04/22/18 19:53	110-82-7	CL
Dibromochloromethane	<1.0	ug/L	1.0	1		04/22/18 19:53	124-48-1	
Dichlorodifluoromethane	<1.0	ug/L	1.0	1		04/22/18 19:53	75-71-8	CL
Ethylbenzene	<1.0	ug/L	1.0	1		04/22/18 19:53	100-41-4	
Isopropylbenzene (Cumene)	<1.0	ug/L	1.0	1		04/22/18 19:53	98-82-8	
Methyl acetate	<1.0	ug/L	1.0	1		04/22/18 19:53	79-20-9	CL
Methyl-tert-butyl ether	<1.0	ug/L	1.0	1		04/22/18 19:53	1634-04-4	
Methylcyclohexane	<1.0	ug/L	1.0	1		04/22/18 19:53	108-87-2	
Methylene Chloride	<1.0	ug/L	1.0	1		04/22/18 19:53	75-09-2	
Styrene	<1.0	ug/L	1.0	1		04/22/18 19:53	100-42-5	
Tetrachloroethene	<1.0	ug/L	1.0	1		04/22/18 19:53	127-18-4	
Toluene	<1.0	ug/L	1.0	1		04/22/18 19:53	108-88-3	
Trichloroethene	<1.0	ug/L	1.0	1		04/22/18 19:53	79-01-6	
Trichlorofluoromethane	<1.0	ug/L	1.0	1		04/22/18 19:53	75-69-4	
Vinyl chloride	<1.0	ug/L	1.0	1		04/22/18 19:53	75-01-4	CL
Xylene (Total)	<3.0	ug/L	3.0	1		04/22/18 19:53	1330-20-7	
cis-1,2-Dichloroethene	<1.0	ug/L	1.0	1		04/22/18 19:53	156-59-2	
cis-1,3-Dichloropropene	<1.0	ug/L	1.0	1		04/22/18 19:53	10061-01-5	
trans-1,2-Dichloroethene	<1.0	ug/L	1.0	1		04/22/18 19:53	156-60-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: FORMER COYNE TEXTILE FACILITY

Pace Project No.: 7049098

Sample: GW-WC101	Lab ID: 7049098003	Collected: 04/19/18 12:35	Received: 04/20/18 10:30	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260C Volatile Organics		Analytical Method: EPA 8260C/5030C						
trans-1,3-Dichloropropene	<1.0	ug/L	1.0	1		04/22/18 19:53	10061-02-6	
Surrogates								
1,2-Dichloroethane-d4 (S)	90	%	68-153	1		04/22/18 19:53	17060-07-0	
4-Bromofluorobenzene (S)	99	%	79-124	1		04/22/18 19:53	460-00-4	
Toluene-d8 (S)	101	%	69-124	1		04/22/18 19:53	2037-26-5	
9040 Corrosivity-pH >20% water		Analytical Method: EPA 9040C						
pH at 25 Degrees C	7.1	Std. Units	0.10	1		04/21/18 12:34		H3,H6

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ANALYTICAL RESULTS

Project: FORMER COYNE TEXTILE FACILITY

Pace Project No.: 7049098

Sample: TRIP BLANK	Lab ID: 7049098004	Collected: 04/19/18 00:00	Received: 04/20/18 10:30	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260C Volatile Organics		Analytical Method: EPA 8260C/5030C						
1,1,1-Trichloroethane	<1.0	ug/L	1.0	1		04/22/18 16:58	71-55-6	
1,1,2,2-Tetrachloroethane	<1.0	ug/L	1.0	1		04/22/18 16:58	79-34-5	
1,1,2-Trichloroethane	<1.0	ug/L	1.0	1		04/22/18 16:58	79-00-5	
1,1,2-Trichlorotrifluoroethane	<1.0	ug/L	1.0	1		04/22/18 16:58	76-13-1	
1,1-Dichloroethane	<1.0	ug/L	1.0	1		04/22/18 16:58	75-34-3	L2
1,1-Dichloroethene	<1.0	ug/L	1.0	1		04/22/18 16:58	75-35-4	
1,2,4-Trichlorobenzene	<1.0	ug/L	1.0	1		04/22/18 16:58	120-82-1	
1,2-Dibromo-3-chloropropane	<1.0	ug/L	1.0	1		04/22/18 16:58	96-12-8	
1,2-Dibromoethane (EDB)	<1.0	ug/L	1.0	1		04/22/18 16:58	106-93-4	
1,2-Dichlorobenzene	<1.0	ug/L	1.0	1		04/22/18 16:58	95-50-1	
1,2-Dichloroethane	<1.0	ug/L	1.0	1		04/22/18 16:58	107-06-2	
1,2-Dichloropropane	<1.0	ug/L	1.0	1		04/22/18 16:58	78-87-5	
1,3-Dichlorobenzene	<1.0	ug/L	1.0	1		04/22/18 16:58	541-73-1	
1,4-Dichlorobenzene	<1.0	ug/L	1.0	1		04/22/18 16:58	106-46-7	
2-Butanone (MEK)	<5.0	ug/L	5.0	1		04/22/18 16:58	78-93-3	
2-Hexanone	<5.0	ug/L	5.0	1		04/22/18 16:58	591-78-6	
4-Methyl-2-pentanone (MIBK)	<5.0	ug/L	5.0	1		04/22/18 16:58	108-10-1	
Acetone	<5.0	ug/L	5.0	1		04/22/18 16:58	67-64-1	CL
Benzene	<1.0	ug/L	1.0	1		04/22/18 16:58	71-43-2	
Bromodichloromethane	<1.0	ug/L	1.0	1		04/22/18 16:58	75-27-4	
Bromoform	<1.0	ug/L	1.0	1		04/22/18 16:58	75-25-2	
Bromomethane	<1.0	ug/L	1.0	1		04/22/18 16:58	74-83-9	
Carbon disulfide	<1.0	ug/L	1.0	1		04/22/18 16:58	75-15-0	
Carbon tetrachloride	<1.0	ug/L	1.0	1		04/22/18 16:58	56-23-5	
Chlorobenzene	<1.0	ug/L	1.0	1		04/22/18 16:58	108-90-7	
Chloroethane	<1.0	ug/L	1.0	1		04/22/18 16:58	75-00-3	
Chloroform	<1.0	ug/L	1.0	1		04/22/18 16:58	67-66-3	
Chloromethane	<1.0	ug/L	1.0	1		04/22/18 16:58	74-87-3	
Cyclohexane	<1.0	ug/L	1.0	1		04/22/18 16:58	110-82-7	CL
Dibromochloromethane	<1.0	ug/L	1.0	1		04/22/18 16:58	124-48-1	
Dichlorodifluoromethane	<1.0	ug/L	1.0	1		04/22/18 16:58	75-71-8	CL
Ethylbenzene	<1.0	ug/L	1.0	1		04/22/18 16:58	100-41-4	
Isopropylbenzene (Cumene)	<1.0	ug/L	1.0	1		04/22/18 16:58	98-82-8	
Methyl acetate	<1.0	ug/L	1.0	1		04/22/18 16:58	79-20-9	CL
Methyl-tert-butyl ether	<1.0	ug/L	1.0	1		04/22/18 16:58	1634-04-4	
Methylcyclohexane	<1.0	ug/L	1.0	1		04/22/18 16:58	108-87-2	
Methylene Chloride	<1.0	ug/L	1.0	1		04/22/18 16:58	75-09-2	
Styrene	<1.0	ug/L	1.0	1		04/22/18 16:58	100-42-5	
Tetrachloroethene	<1.0	ug/L	1.0	1		04/22/18 16:58	127-18-4	
Toluene	<1.0	ug/L	1.0	1		04/22/18 16:58	108-88-3	
Trichloroethene	<1.0	ug/L	1.0	1		04/22/18 16:58	79-01-6	
Trichlorofluoromethane	<1.0	ug/L	1.0	1		04/22/18 16:58	75-69-4	
Vinyl chloride	<1.0	ug/L	1.0	1		04/22/18 16:58	75-01-4	CL
Xylene (Total)	<3.0	ug/L	3.0	1		04/22/18 16:58	1330-20-7	
cis-1,2-Dichloroethene	<1.0	ug/L	1.0	1		04/22/18 16:58	156-59-2	
cis-1,3-Dichloropropene	<1.0	ug/L	1.0	1		04/22/18 16:58	10061-01-5	
trans-1,2-Dichloroethene	<1.0	ug/L	1.0	1		04/22/18 16:58	156-60-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: FORMER COYNE TEXTILE FACILITY

Pace Project No.: 7049098

Sample: TRIP BLANK		Lab ID: 7049098004	Collected: 04/19/18 00:00	Received: 04/20/18 10:30	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260C Volatile Organics		Analytical Method: EPA 8260C/5030C						
trans-1,3-Dichloropropene	<1.0	ug/L	1.0	1		04/22/18 16:58	10061-02-6	
Surrogates								
1,2-Dichloroethane-d4 (S)	93	%	68-153	1		04/22/18 16:58	17060-07-0	
4-Bromofluorobenzene (S)	100	%	79-124	1		04/22/18 16:58	460-00-4	
Toluene-d8 (S)	102	%	69-124	1		04/22/18 16:58	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: FORMER COYNE TEXTILE FACILITY

Pace Project No.: 7049098

QC Batch: 64416

Analysis Method: EPA 7470A

QC Batch Method: EPA 7470A

Analysis Description: 7470 Mercury

Associated Lab Samples: 7049098001, 7049098002, 7049098003

METHOD BLANK: 295655

Matrix: Water

Associated Lab Samples: 7049098001, 7049098002, 7049098003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury	ug/L	<0.20	0.20	04/25/18 13:05	

LABORATORY CONTROL SAMPLE: 295656

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	1	1.2	115	80-120	

MATRIX SPIKE SAMPLE: 295657

Parameter	Units	7049093003 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	<0.20	1	1.2	117	75-125	

SAMPLE DUPLICATE: 295658

Parameter	Units	7049093003 Result	Dup Result	RPD	Qualifiers
Mercury	ug/L	<0.20	<0.20		

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: FORMER COYNE TEXTILE FACILITY

Pace Project No.: 7049098

QC Batch: 64414

Analysis Method: EPA 200.7

QC Batch Method: EPA 200.7

Analysis Description: 200.7 Metals, Total

Associated Lab Samples: 7049098001, 7049098002, 7049098003

METHOD BLANK: 295645

Matrix: Water

Associated Lab Samples: 7049098001, 7049098002, 7049098003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Aluminum	ug/L	<200	200	04/23/18 16:33	
Antimony	ug/L	<60.0	60.0	04/23/18 16:33	
Arsenic	ug/L	<10.0	10.0	04/23/18 16:33	
Barium	ug/L	<200	200	04/23/18 16:33	
Beryllium	ug/L	<5.0	5.0	04/23/18 16:33	
Cadmium	ug/L	<2.5	2.5	04/23/18 16:33	
Calcium	ug/L	<1000	1000	04/23/18 16:33	
Chromium	ug/L	<10.0	10.0	04/23/18 16:33	
Cobalt	ug/L	<50.0	50.0	04/23/18 16:33	
Copper	ug/L	<25.0	25.0	04/23/18 16:33	
Iron	ug/L	<20.0	20.0	04/23/18 16:33	
Lead	ug/L	<5.0	5.0	04/23/18 16:33	
Magnesium	ug/L	<1000	1000	04/23/18 16:33	
Manganese	ug/L	<10.0	10.0	04/23/18 16:33	
Nickel	ug/L	<40.0	40.0	04/23/18 16:33	
Potassium	ug/L	<5000	5000	04/23/18 16:33	
Selenium	ug/L	<10.0	10.0	04/23/18 16:33	
Silver	ug/L	<10.0	10.0	04/23/18 16:33	
Sodium	ug/L	<5000	5000	04/23/18 16:33	
Thallium	ug/L	<10.0	10.0	04/23/18 16:33	
Vanadium	ug/L	<50.0	50.0	04/23/18 16:33	
Zinc	ug/L	<20.0	20.0	04/23/18 16:33	

LABORATORY CONTROL SAMPLE: 295646

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Aluminum	ug/L	5000	4920	98	85-115	
Antimony	ug/L	750	761	101	85-115	
Arsenic	ug/L	500	487	97	85-115	
Barium	ug/L	500	488	98	85-115	
Beryllium	ug/L	50	49.5	99	85-115	
Cadmium	ug/L	50	48.9	98	85-115	
Calcium	ug/L	25000	24500	98	85-115	
Chromium	ug/L	250	250	100	85-115	
Cobalt	ug/L	500	484	97	85-115	
Copper	ug/L	250	239	96	85-115	
Iron	ug/L	2000	1970	98	85-115	
Lead	ug/L	500	491	98	85-115	
Magnesium	ug/L	25000	24500	98	85-115	
Manganese	ug/L	250	244	98	85-115	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: FORMER COYNE TEXTILE FACILITY

Pace Project No.: 7049098

LABORATORY CONTROL SAMPLE: 295646

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nickel	ug/L	250	250	100	85-115	
Potassium	ug/L	50000	48900	98	85-115	
Selenium	ug/L	750	726	97	85-115	
Silver	ug/L	250	231	92	85-115	
Sodium	ug/L	50000	49100	98	85-115	
Thallium	ug/L	750	720	96	85-115	
Vanadium	ug/L	500	496	99	85-115	
Zinc	ug/L	1000	971	97	85-115	

MATRIX SPIKE SAMPLE: 295648

Parameter	Units	7049093001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Aluminum	ug/L	263	5000	5520	105	70-130	
Antimony	ug/L	<60.0	750	764	102	70-130	
Arsenic	ug/L	<10.0	500	498	100	70-130	
Barium	ug/L	2940	500	3360	84	70-130	
Beryllium	ug/L	<5.0	50	49.5	99	70-130	
Cadmium	ug/L	<2.5	50	49.0	98	70-130	
Calcium	ug/L	169000	25000	186000	68	70-130	M1
Chromium	ug/L	16.0	250	280	106	70-130	
Cobalt	ug/L	<50.0	500	492	98	70-130	
Copper	ug/L	<25.0	250	248	99	70-130	
Iron	ug/L	3870	2000	5810	97	70-130	
Lead	ug/L	<5.0	500	495	99	70-130	
Magnesium	ug/L	40000	25000	63400	94	70-130	
Manganese	ug/L	104	250	349	98	70-130	
Nickel	ug/L	<40.0	250	292	104	70-130	
Potassium	ug/L	13800	50000	65200	103	70-130	
Selenium	ug/L	<10.0	750	755	100	70-130	
Silver	ug/L	<10.0	250	253	101	70-130	
Sodium	ug/L	38800	50000	87600	98	70-130	
Thallium	ug/L	<10.0	750	757	100	70-130	
Vanadium	ug/L	<50.0	500	507	101	70-130	
Zinc	ug/L	<20.0	1000	986	98	70-130	

MATRIX SPIKE SAMPLE: 295650

Parameter	Units	7049093002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Aluminum	ug/L	2620	5000	17200	292	70-130	M1
Antimony	ug/L	<60.0	750	772	103	70-130	
Arsenic	ug/L	<10.0	500	511	102	70-130	
Barium	ug/L	294	500	824	106	70-130	
Beryllium	ug/L	<5.0	50	49.6	99	70-130	
Cadmium	ug/L	<2.5	50	48.7	97	70-130	

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QUALITY CONTROL DATA

Project: FORMER COYNE TEXTILE FACILITY

Pace Project No.: 7049098

MATRIX SPIKE SAMPLE: 295650

Parameter	Units	7049093002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Calcium	ug/L	261000	25000	288000	108	70-130	
Chromium	ug/L	<10.0	250	274	106	70-130	
Cobalt	ug/L	<50.0	500	491	98	70-130	
Copper	ug/L	<25.0	250	248	99	70-130	
Iron	ug/L	13000	2000	27900	745	70-130	M1
Lead	ug/L	14.0	500	506	98	70-130	
Magnesium	ug/L	204000	25000	235000	124	70-130	
Manganese	ug/L	1380	250	1730	140	70-130	M1
Nickel	ug/L	42.9	250	332	116	70-130	
Potassium	ug/L	27800	50000	82400	109	70-130	
Selenium	ug/L	<10.0	750	764	101	70-130	
Silver	ug/L	<10.0	250	336	134	70-130	M1
Sodium	ug/L	243000	50000	299000	112	70-130	
Thallium	ug/L	14.5	750	766	100	70-130	
Vanadium	ug/L	<50.0	500	532	104	70-130	
Zinc	ug/L	25.2	1000	1000	97	70-130	

SAMPLE DUPLICATE: 295647

Parameter	Units	7049093001 Result	Dup Result	RPD	Qualifiers
Aluminum	ug/L	263	241	9	
Antimony	ug/L	<60.0	<60.0		
Arsenic	ug/L	<10.0	<10.0		
Barium	ug/L	2940	2930	0	
Beryllium	ug/L	<5.0	<5.0		
Cadmium	ug/L	<2.5	<2.5		
Calcium	ug/L	169000	169000	0	
Chromium	ug/L	16.0	12.5	25	D6
Cobalt	ug/L	<50.0	<50.0		
Copper	ug/L	<25.0	<25.0		
Iron	ug/L	3870	3790	2	
Lead	ug/L	<5.0	<5.0		
Magnesium	ug/L	40000	39900	0	
Manganese	ug/L	104	103	1	
Nickel	ug/L	<40.0	<40.0		
Potassium	ug/L	13800	13400	3	
Selenium	ug/L	<10.0	<10.0		
Silver	ug/L	<10.0	<10.0		
Sodium	ug/L	38800	37900	2	
Thallium	ug/L	<10.0	12.2		
Vanadium	ug/L	<50.0	<50.0		
Zinc	ug/L	<20.0	<20.0		

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QUALITY CONTROL DATA

Project: FORMER COYNE TEXTILE FACILITY

Pace Project No.: 7049098

SAMPLE DUPLICATE: 295649

Parameter	Units	7049093002 Result	Dup Result	RPD	Qualifiers
Aluminum	ug/L	2620	6400	84	D6
Antimony	ug/L	<60.0	<60.0		
Arsenic	ug/L	<10.0	11.1		
Barium	ug/L	294	298	1	
Beryllium	ug/L	<5.0	<5.0		
Cadmium	ug/L	<2.5	<2.5		
Calcium	ug/L	261000	261000	0	
Chromium	ug/L	<10.0	16.0		
Cobalt	ug/L	<50.0	<50.0		
Copper	ug/L	<25.0	<25.0		
Iron	ug/L	13000	23800	59	D6
Lead	ug/L	14.0	18.4	27	D6
Magnesium	ug/L	204000	205000	0	
Manganese	ug/L	1380	1430	4	
Nickel	ug/L	42.9	64.2	40	D6
Potassium	ug/L	27800	28000	1	
Selenium	ug/L	<10.0	<10.0		
Silver	ug/L	<10.0	<10.0		
Sodium	ug/L	243000	242000	0	
Thallium	ug/L	14.5	<10.0		
Vanadium	ug/L	<50.0	<50.0		
Zinc	ug/L	25.2	46.5	59	D6

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QUALITY CONTROL DATA

Project: FORMER COYNE TEXTILE FACILITY

Pace Project No.: 7049098

QC Batch: 64497 Analysis Method: EPA 8260C/5030C
 QC Batch Method: EPA 8260C/5030C Analysis Description: 8260 MSV
 Associated Lab Samples: 7049098001, 7049098002, 7049098003, 7049098004

METHOD BLANK: 296086 Matrix: Water
 Associated Lab Samples: 7049098001, 7049098002, 7049098003, 7049098004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/L	<1.0	1.0	04/22/18 14:27	
1,1,2,2-Tetrachloroethane	ug/L	<1.0	1.0	04/22/18 14:27	
1,1,2-Trichloroethane	ug/L	<1.0	1.0	04/22/18 14:27	
1,1,2-Trichlorotrifluoroethane	ug/L	<1.0	1.0	04/22/18 14:27	
1,1-Dichloroethane	ug/L	<1.0	1.0	04/22/18 14:27	
1,1-Dichloroethene	ug/L	<1.0	1.0	04/22/18 14:27	
1,2,4-Trichlorobenzene	ug/L	<1.0	1.0	04/22/18 14:27	
1,2-Dibromo-3-chloropropane	ug/L	<1.0	1.0	04/22/18 14:27	
1,2-Dibromoethane (EDB)	ug/L	<1.0	1.0	04/22/18 14:27	
1,2-Dichlorobenzene	ug/L	<1.0	1.0	04/22/18 14:27	
1,2-Dichloroethane	ug/L	<1.0	1.0	04/22/18 14:27	
1,2-Dichloropropane	ug/L	<1.0	1.0	04/22/18 14:27	
1,3-Dichlorobenzene	ug/L	<1.0	1.0	04/22/18 14:27	
1,4-Dichlorobenzene	ug/L	<1.0	1.0	04/22/18 14:27	
2-Butanone (MEK)	ug/L	<5.0	5.0	04/22/18 14:27	
2-Hexanone	ug/L	<5.0	5.0	04/22/18 14:27	
4-Methyl-2-pentanone (MIBK)	ug/L	<5.0	5.0	04/22/18 14:27	
Acetone	ug/L	<5.0	5.0	04/22/18 14:27	CL
Benzene	ug/L	<1.0	1.0	04/22/18 14:27	
Bromodichloromethane	ug/L	<1.0	1.0	04/22/18 14:27	
Bromoform	ug/L	<1.0	1.0	04/22/18 14:27	
Bromomethane	ug/L	<1.0	1.0	04/22/18 14:27	
Carbon disulfide	ug/L	<1.0	1.0	04/22/18 14:27	
Carbon tetrachloride	ug/L	<1.0	1.0	04/22/18 14:27	
Chlorobenzene	ug/L	<1.0	1.0	04/22/18 14:27	
Chloroethane	ug/L	<1.0	1.0	04/22/18 14:27	
Chloroform	ug/L	<1.0	1.0	04/22/18 14:27	
Chloromethane	ug/L	<1.0	1.0	04/22/18 14:27	
cis-1,2-Dichloroethene	ug/L	<1.0	1.0	04/22/18 14:27	
cis-1,3-Dichloropropene	ug/L	<1.0	1.0	04/22/18 14:27	
Cyclohexane	ug/L	<1.0	1.0	04/22/18 14:27	CL
Dibromochloromethane	ug/L	<1.0	1.0	04/22/18 14:27	
Dichlorodifluoromethane	ug/L	<1.0	1.0	04/22/18 14:27	CL
Ethylbenzene	ug/L	<1.0	1.0	04/22/18 14:27	
Isopropylbenzene (Cumene)	ug/L	<1.0	1.0	04/22/18 14:27	
Methyl acetate	ug/L	<1.0	1.0	04/22/18 14:27	CL
Methyl-tert-butyl ether	ug/L	<1.0	1.0	04/22/18 14:27	
Methylcyclohexane	ug/L	<1.0	1.0	04/22/18 14:27	
Methylene Chloride	ug/L	<1.0	1.0	04/22/18 14:27	
Styrene	ug/L	<1.0	1.0	04/22/18 14:27	
Tetrachloroethene	ug/L	<1.0	1.0	04/22/18 14:27	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: FORMER COYNE TEXTILE FACILITY

Pace Project No.: 7049098

METHOD BLANK: 296086

Matrix: Water

Associated Lab Samples: 7049098001, 7049098002, 7049098003, 7049098004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Toluene	ug/L	<1.0	1.0	04/22/18 14:27	
trans-1,2-Dichloroethane	ug/L	<1.0	1.0	04/22/18 14:27	
trans-1,3-Dichloropropene	ug/L	<1.0	1.0	04/22/18 14:27	
Trichloroethene	ug/L	<1.0	1.0	04/22/18 14:27	
Trichlorofluoromethane	ug/L	<1.0	1.0	04/22/18 14:27	
Vinyl chloride	ug/L	<1.0	1.0	04/22/18 14:27	CL
Xylene (Total)	ug/L	<3.0	3.0	04/22/18 14:27	
1,2-Dichloroethane-d4 (S)	%	89	68-153	04/22/18 14:27	
4-Bromofluorobenzene (S)	%	101	79-124	04/22/18 14:27	
Toluene-d8 (S)	%	102	69-124	04/22/18 14:27	

LABORATORY CONTROL SAMPLE: 296087

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	50	42.0	84	65-118	
1,1,2,2-Tetrachloroethane	ug/L	50	46.1	92	74-121	
1,1,2-Trichloroethane	ug/L	50	45.2	90	80-117	
1,1,2-Trichlorotrifluoroethane	ug/L	50	39.2	78	60-140	
1,1-Dichloroethane	ug/L	50	40.3	81	83-151	L2
1,1-Dichloroethene	ug/L	50	41.8	84	45-146	
1,2,4-Trichlorobenzene	ug/L	50	53.2	106	66-116	
1,2-Dibromo-3-chloropropane	ug/L	50	40.9	82	74-119	
1,2-Dibromoethane (EDB)	ug/L	50	49.2	98	83-115	
1,2-Dichlorobenzene	ug/L	50	47.9	96	74-113	
1,2-Dichloroethane	ug/L	50	41.3	83	74-129	
1,2-Dichloropropane	ug/L	50	42.5	85	75-117	
1,3-Dichlorobenzene	ug/L	50	48.1	96	71-112	
1,4-Dichlorobenzene	ug/L	50	48.5	97	71-113	
2-Butanone (MEK)	ug/L	50	38.1	76	44-162	
2-Hexanone	ug/L	50	42.3	85	32-183	
4-Methyl-2-pentanone (MIBK)	ug/L	50	39.7	79	69-132	
Acetone	ug/L	50	28.4	57	23-188	CL
Benzene	ug/L	50	43.6	87	73-119	
Bromodichloromethane	ug/L	50	45.1	90	78-117	
Bromoform	ug/L	50	38.6	77	65-122	
Bromomethane	ug/L	50	41.1	82	52-147	
Carbon disulfide	ug/L	50	40.0	80	41-144	
Carbon tetrachloride	ug/L	50	46.6	93	59-120	
Chlorobenzene	ug/L	50	47.7	95	75-113	
Chloroethane	ug/L	50	40.4	81	49-151	
Chloroform	ug/L	50	41.3	83	72-122	
Chloromethane	ug/L	50	39.4	79	46-144	
cis-1,2-Dichloroethene	ug/L	50	43.8	88	72-121	
cis-1,3-Dichloropropene	ug/L	50	48.6	97	78-116	

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QUALITY CONTROL DATA

Project: FORMER COYNE TEXTILE FACILITY

Pace Project No.: 7049098

LABORATORY CONTROL SAMPLE: 296087

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Cyclohexane	ug/L	50	36.9	74	43-143	CL
Dibromochloromethane	ug/L	50	50.3	101	70-120	
Dichlorodifluoromethane	ug/L	50	29.7	59	22-154	CL
Ethylbenzene	ug/L	50	47.0	94	70-113	
Isopropylbenzene (Cumene)	ug/L	50	47.6	95	67-115	
Methyl acetate	ug/L	50	33.9	68	60-140	CL
Methyl-tert-butyl ether	ug/L	50	43.7	87	72-131	
Methylcyclohexane	ug/L	50	40.8	82	60-140	
Methylene Chloride	ug/L	50	40.8	82	61-142	
Styrene	ug/L	50	50.5	101	72-118	
Tetrachloroethene	ug/L	50	45.7	91	60-128	
Toluene	ug/L	50	44.2	88	72-119	
trans-1,2-Dichloroethene	ug/L	50	41.3	83	56-142	
trans-1,3-Dichloropropene	ug/L	50	45.4	91	79-116	
Trichloroethene	ug/L	50	42.8	86	69-117	
Trichlorofluoromethane	ug/L	50	39.6	79	27-173	
Vinyl chloride	ug/L	50	35.9	72	43-143	CL
Xylene (Total)	ug/L	150	144	96	71-109	
1,2-Dichloroethane-d4 (S)	%			86	68-153	
4-Bromofluorobenzene (S)	%			99	79-124	
Toluene-d8 (S)	%			102	69-124	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 296089 296090

Parameter	Units	7048791006		MS	MSD	MS	MSD	MS	MSD	% Rec	RPD	Qual
		Result	Conc.	Spike Conc.	Spike Conc.							
1,1,1-Trichloroethane	ug/L	<1.0	50	50	50	40.6	43.3	81	87	65-118	6	
1,1,2,2-Tetrachloroethane	ug/L	<1.0	50	50	50	42.7	46.2	85	92	74-121	8	
1,1,2-Trichloroethane	ug/L	<1.0	50	50	50	41.4	44.4	83	89	80-117	7	
1,1,2-Trichlorotrifluoroethane	ug/L	<1.0	50	50	50	38.8	41.4	78	83	60-140	6	
1,1-Dichloroethane	ug/L	<1.0	50	50	50	38.2	41.5	76	83	83-151	8	M0
1,1-Dichloroethene	ug/L	<1.0	50	50	50	38.3	41.4	77	83	45-146	8	
1,2,4-Trichlorobenzene	ug/L	<1.0	50	50	50	47.1	49.3	94	99	66-116	5	
1,2-Dibromo-3-chloropropane	ug/L	<1.0	50	50	50	37.4	40.4	75	81	74-119	8	
1,2-Dibromoethane (EDB)	ug/L	<1.0	50	50	50	45.0	47.2	90	94	83-115	5	
1,2-Dichlorobenzene	ug/L	<1.0	50	50	50	42.4	45.6	85	91	74-113	7	
1,2-Dichloroethane	ug/L	<1.0	50	50	50	36.8	41.5	74	83	74-129	12	
1,2-Dichloropropane	ug/L	<1.0	50	50	50	39.0	41.3	78	83	75-117	6	
1,3-Dichlorobenzene	ug/L	<1.0	50	50	50	43.3	46.0	87	92	71-112	6	
1,4-Dichlorobenzene	ug/L	<1.0	50	50	50	42.2	45.7	84	91	71-113	8	
2-Butanone (MEK)	ug/L	<5.0	50	50	50	36.7	40.0	73	80	44-162	9	
2-Hexanone	ug/L	<5.0	50	50	50	43.0	46.6	86	93	32-183	8	
4-Methyl-2-pentanone (MIBK)	ug/L	<5.0	50	50	50	41.1	43.4	82	87	69-132	6	
Acetone	ug/L	1.4J	50	50	50	29.9	31.4	57	60	23-188	5	CL
Benzene	ug/L	<1.0	50	50	50	40.9	43.0	82	86	73-119	5	

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QUALITY CONTROL DATA

Project: FORMER COYNE TEXTILE FACILITY

Pace Project No.: 7049098

Parameter	MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 296089		296090								
	Units	7048791006 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Qual
Bromodichloromethane	ug/L	<1.0	50	50	39.2	41.6	78	83	78-117	6	
Bromoform	ug/L	<1.0	50	50	29.1	30.6	58	61	65-122	5	M1
Bromomethane	ug/L	<1.0	50	50	15.4	20.5	31	41	52-147	29	M1,R1
Carbon disulfide	ug/L	<1.0	50	50	33.2	36.4	66	73	41-144	9	
Carbon tetrachloride	ug/L	<1.0	50	50	45.1	47.6	90	95	59-120	5	
Chlorobenzene	ug/L	<1.0	50	50	43.2	45.7	86	91	75-113	6	
Chloroethane	ug/L	<1.0	50	50	31.4	33.8	63	68	49-151	7	
Chloroform	ug/L	<1.0	50	50	38.7	42.8	77	86	72-122	10	
Chloromethane	ug/L	<1.0	50	50	18.8	21.3	38	43	46-144	12	M1
cis-1,2-Dichloroethene	ug/L	<1.0	50	50	40.4	44.3	81	89	72-121	9	
cis-1,3-Dichloropropene	ug/L	<1.0	50	50	38.8	42.6	78	85	78-116	10	
Cyclohexane	ug/L	<1.0	50	50	38.7	42.2	77	84	43-143	9	CL
Dibromochloromethane	ug/L	<1.0	50	50	40.4	43.1	81	86	70-120	6	
Dichlorodifluoromethane	ug/L	<1.0	50	50	7.5	7.7	15	15	22-154	3	CL,M1
Ethylbenzene	ug/L	<1.0	50	50	44.9	47.5	90	95	70-113	6	
Isopropylbenzene (Cumene)	ug/L	<1.0	50	50	46.4	49.9	93	100	67-115	7	
Methyl acetate	ug/L	<1.0	50	50	29.8	31.4	60	63	60-140	5	CL
Methyl-tert-butyl ether	ug/L	<1.0	50	50	39.7	43.7	79	87	72-131	10	
Methylcyclohexane	ug/L	<1.0	50	50	42.5	44.8	85	90	60-140	5	
Methylene Chloride	ug/L	<1.0	50	50	35.2	39.1	70	78	61-142	10	
Styrene	ug/L	<1.0	50	50	45.5	48.6	91	97	72-118	6	
Tetrachloroethene	ug/L	<1.0	50	50	43.7	46.5	87	93	60-128	6	
Toluene	ug/L	<1.0	50	50	42.1	44.7	84	89	72-119	6	
trans-1,2-Dichloroethene	ug/L	<1.0	50	50	39.1	42.6	78	85	56-142	8	
trans-1,3-Dichloropropene	ug/L	<1.0	50	50	34.3	38.6	69	77	79-116	12	M1
Trichloroethene	ug/L	<1.0	50	50	41.8	44.9	84	90	69-117	7	
Trichlorofluoromethane	ug/L	<1.0	50	50	35.1	37.5	70	75	27-173	7	
Vinyl chloride	ug/L	<1.0	50	50	22.9	24.6	46	49	43-143	7	CL
Xylene (Total)	ug/L	<3.0	150	150	135	143	90	95	71-109	5	
1,2-Dichloroethane-d4 (S)	%						88	88	68-153		
4-Bromofluorobenzene (S)	%						101	101	79-124		
Toluene-d8 (S)	%						101	102	69-124		

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: FORMER COYNE TEXTILE FACILITY

Pace Project No.: 7049098

QC Batch: 64443 Analysis Method: EPA 8081B
 QC Batch Method: EPA 3510C Analysis Description: 8081 GCS Pesticides
 Associated Lab Samples: 7049098002, 7049098003

METHOD BLANK: 295795 Matrix: Water

Associated Lab Samples: 7049098002, 7049098003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
4,4'-DDD	ug/L	<0.10	0.10	04/25/18 17:53	
4,4'-DDE	ug/L	<0.10	0.10	04/25/18 17:53	
4,4'-DDT	ug/L	<0.10	0.10	04/25/18 17:53	
Aldrin	ug/L	<0.050	0.050	04/25/18 17:53	
alpha-BHC	ug/L	<0.050	0.050	04/25/18 17:53	
alpha-Chlordane	ug/L	<0.050	0.050	04/25/18 17:53	
beta-BHC	ug/L	<0.050	0.050	04/25/18 17:53	
delta-BHC	ug/L	<0.050	0.050	04/25/18 17:53	
Dieldrin	ug/L	<0.10	0.10	04/25/18 17:53	
Endosulfan I	ug/L	<0.050	0.050	04/25/18 17:53	
Endosulfan II	ug/L	<0.10	0.10	04/25/18 17:53	
Endosulfan sulfate	ug/L	<0.10	0.10	04/25/18 17:53	
Endrin	ug/L	<0.10	0.10	04/25/18 17:53	
Endrin aldehyde	ug/L	<0.10	0.10	04/25/18 17:53	
Endrin ketone	ug/L	<0.10	0.10	04/25/18 17:53	
gamma-BHC (Lindane)	ug/L	<0.050	0.050	04/25/18 17:53	
gamma-Chlordane	ug/L	<0.050	0.050	04/25/18 17:53	
Heptachlor	ug/L	<0.050	0.050	04/25/18 17:53	
Heptachlor epoxide	ug/L	<0.050	0.050	04/25/18 17:53	
Methoxychlor	ug/L	<0.50	0.50	04/25/18 17:53	
Toxaphene	ug/L	<5.0	5.0	04/25/18 17:53	
Decachlorobiphenyl (S)	%	74	30-150	04/25/18 17:53	
Tetrachloro-m-xylene (S)	%	49	30-150	04/25/18 17:53	

LABORATORY CONTROL SAMPLE: 295796

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
4,4'-DDD	ug/L	.4	0.43	108	59-136	
4,4'-DDE	ug/L	.4	0.41	102	59-119	
4,4'-DDT	ug/L	.4	0.43	109	57-134	
Aldrin	ug/L	.4	0.27	69	23-118	
alpha-BHC	ug/L	.4	0.32	81	62-116	
alpha-Chlordane	ug/L	.4	0.36	89	61-117	
beta-BHC	ug/L	.4	0.36	91	69-131	
delta-BHC	ug/L	.4	0.43	108	52-142	
Dieldrin	ug/L	.4	0.41	101	64-123	
Endosulfan I	ug/L	.4	0.28	70	58-129	
Endosulfan II	ug/L	.4	0.37	93	63-139	
Endosulfan sulfate	ug/L	.4	0.45	112	62-137	
Endrin	ug/L	.4	0.39	98	65-123	

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QUALITY CONTROL DATA

Project: FORMER COYNE TEXTILE FACILITY

Pace Project No.: 7049098

LABORATORY CONTROL SAMPLE: 295796

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Endrin aldehyde	ug/L	.4	0.40	99	62-144	
Endrin ketone	ug/L	.4	0.42	106	68-151	
gamma-BHC (Lindane)	ug/L	.4	0.34	84	67-119	
gamma-Chlordane	ug/L	.4	0.36	91	63-120	
Heptachlor	ug/L	.4	0.31	76	18-129	
Heptachlor epoxide	ug/L	.4	0.37	93	67-120	
Methoxychlor	ug/L	.4	<0.50	122	57-151	
Decachlorobiphenyl (S)	%			96	30-150	
Tetrachloro-m-xylene (S)	%			59	30-150	

LABORATORY CONTROL SAMPLE: 295846

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Toxaphene	ug/L	20	18.3	91	62-157	
Decachlorobiphenyl (S)	%			105	30-150	
Tetrachloro-m-xylene (S)	%			63	30-150	

MATRIX SPIKE SAMPLE: 295844

Parameter	Units	7049093003 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
4,4'-DDD	ug/L	<0.10	.4	0.40	100	31-141	
4,4'-DDE	ug/L	<0.10	.4	0.37	92	30-145	
4,4'-DDT	ug/L	<0.10	.4	0.41	103	25-160	
Aldrin	ug/L	<0.050	.4	0.32	81	42-122	
alpha-BHC	ug/L	<0.050	.4	0.35	87	37-134	
alpha-Chlordane	ug/L	<0.050	.4	0.32	79	45-119	
beta-BHC	ug/L	<0.050	.4	0.32	80	17-147	
delta-BHC	ug/L	<0.050	.4	0.38	96	19-140	
Dieldrin	ug/L	<0.10	.4	0.36	90	36-146	
Endosulfan I	ug/L	<0.050	.4	0.24	59	45-153	
Endosulfan II	ug/L	<0.10	.4	0.33	82	10-202	
Endosulfan sulfate	ug/L	<0.10	.4	0.41	102	26-144	
Endrin	ug/L	<0.10	.4	0.36	91	30-147	
Endrin aldehyde	ug/L	<0.10	.4	0.38	96	23-163	
Endrin ketone	ug/L	<0.10	.4	0.41	103	61-141	
gamma-BHC (Lindane)	ug/L	<0.050	.4	0.34	85	32-127	
gamma-Chlordane	ug/L	<0.050	.4	0.32	80	45-119	
Heptachlor	ug/L	<0.050	.4	0.33	82	34-111	
Heptachlor epoxide	ug/L	<0.050	.4	0.34	84	37-142	
Methoxychlor	ug/L	<0.50	.4	<0.50	116	59-151	
Toxaphene	ug/L	<5.0		<5.0			
Decachlorobiphenyl (S)	%				84	30-150	
Tetrachloro-m-xylene (S)	%				69	30-150	

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QUALITY CONTROL DATA

Project: FORMER COYNE TEXTILE FACILITY

Pace Project No.: 7049098

SAMPLE DUPLICATE: 295845

Parameter	Units	7049098002 Result	Dup Result	RPD	Qualifiers
4,4'-DDD	ug/L	<0.10	<0.10		
4,4'-DDE	ug/L	<0.10	<0.10		
4,4'-DDT	ug/L	<0.10	<0.10		
Aldrin	ug/L	<0.050	<0.050		
alpha-BHC	ug/L	<0.050	<0.050		
alpha-Chlordane	ug/L	<0.050	<0.050		
beta-BHC	ug/L	<0.050	<0.050		
delta-BHC	ug/L	<0.050	<0.050		
Dieldrin	ug/L	<0.10	<0.10		
Endosulfan I	ug/L	<0.050	<0.050		
Endosulfan II	ug/L	<0.10	<0.10		
Endosulfan sulfate	ug/L	<0.10	<0.10		
Endrin	ug/L	<0.10	<0.10		
Endrin aldehyde	ug/L	<0.10	<0.10		
Endrin ketone	ug/L	<0.10	<0.10		
gamma-BHC (Lindane)	ug/L	<0.050	<0.050		
gamma-Chlordane	ug/L	<0.050	<0.050		
Heptachlor	ug/L	<0.050	<0.050		
Heptachlor epoxide	ug/L	<0.050	<0.050		
Methoxychlor	ug/L	<0.50	<0.50		
Toxaphene	ug/L	<5.0	<5.0		
Decachlorobiphenyl (S)	%	83	80	4	
Tetrachloro-m-xylene (S)	%	49	60	20	

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QUALITY CONTROL DATA

Project: FORMER COYNE TEXTILE FACILITY

Pace Project No.: 7049098

QC Batch: 64445 Analysis Method: EPA 8082A
 QC Batch Method: EPA 3510C Analysis Description: 8082 GCS PCB
 Associated Lab Samples: 7049098001, 7049098002, 7049098003

METHOD BLANK: 295840 Matrix: Water

Associated Lab Samples: 7049098001, 7049098002, 7049098003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
PCB-1016 (Aroclor 1016)	ug/L	<1.0	1.0	04/23/18 18:44	
PCB-1221 (Aroclor 1221)	ug/L	<2.0	2.0	04/23/18 18:44	
PCB-1232 (Aroclor 1232)	ug/L	<1.0	1.0	04/23/18 18:44	
PCB-1242 (Aroclor 1242)	ug/L	<1.0	1.0	04/23/18 18:44	
PCB-1248 (Aroclor 1248)	ug/L	<1.0	1.0	04/23/18 18:44	
PCB-1254 (Aroclor 1254)	ug/L	<1.0	1.0	04/23/18 18:44	
PCB-1260 (Aroclor 1260)	ug/L	<1.0	1.0	04/23/18 18:44	
Decachlorobiphenyl (S)	%	82	30-150	04/23/18 18:44	
Tetrachloro-m-xylene (S)	%	60	30-150	04/23/18 18:44	

LABORATORY CONTROL SAMPLE: 295841

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
PCB-1016 (Aroclor 1016)	ug/L	5	4.6	93	42-134	
PCB-1260 (Aroclor 1260)	ug/L	5	5.5	109	34-146	
Decachlorobiphenyl (S)	%			77	30-150	
Tetrachloro-m-xylene (S)	%			60	30-150	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 295842 295843

Parameter	Units	7048944006		MSD		MS		MSD		% Rec Limits	RPD	Qual
		Result	MS Spike Conc.	MSD Spike Conc.	Result	MSD Result	% Rec	% Rec				
PCB-1016 (Aroclor 1016)	ug/L	<1.0	5	5	5.7	5.8	114	116	53-116	2		
PCB-1221 (Aroclor 1221)	ug/L	<2.0			<2.0	<2.0						
PCB-1232 (Aroclor 1232)	ug/L	<1.0			<1.0	<1.0						
PCB-1242 (Aroclor 1242)	ug/L	<1.0			<1.0	<1.0						
PCB-1248 (Aroclor 1248)	ug/L	<1.0			<1.0	<1.0						
PCB-1254 (Aroclor 1254)	ug/L	<1.0			<1.0	<1.0						
PCB-1260 (Aroclor 1260)	ug/L	<1.0	5	5	6.3	6.3	125	125	46-126	0		
Decachlorobiphenyl (S)	%						87	77	30-150			
Tetrachloro-m-xylene (S)	%						71	78	30-150			

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: FORMER COYNE TEXTILE FACILITY

Pace Project No.: 7049098

QC Batch: 64940 Analysis Method: EPA 8270D
QC Batch Method: EPA 3510C Analysis Description: 8270 Water MSSV
Associated Lab Samples: 7049098001, 7049098002, 7049098003

METHOD BLANK: 297767 Matrix: Water

Associated Lab Samples: 7049098001, 7049098002, 7049098003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
2,2'-Oxybis(1-chloropropane)	ug/L	<5.0	5.0	05/03/18 16:55	
2,4,5-Trichlorophenol	ug/L	<5.0	5.0	05/03/18 16:55	
2,4,6-Trichlorophenol	ug/L	<5.0	5.0	05/03/18 16:55	
2,4-Dichlorophenol	ug/L	<5.0	5.0	05/03/18 16:55	
2,4-Dimethylphenol	ug/L	<5.0	5.0	05/03/18 16:55	
2,4-Dinitrophenol	ug/L	<10.0	10.0	05/03/18 16:55	
2,4-Dinitrotoluene	ug/L	<5.0	5.0	05/03/18 16:55	
2,6-Dinitrotoluene	ug/L	<5.0	5.0	05/03/18 16:55	
2-Chloronaphthalene	ug/L	<5.0	5.0	05/03/18 16:55	
2-Chlorophenol	ug/L	<5.0	5.0	05/03/18 16:55	
2-Methylnaphthalene	ug/L	<5.0	5.0	05/03/18 16:55	
2-Methylphenol(o-Cresol)	ug/L	<5.0	5.0	05/03/18 16:55	
2-Nitroaniline	ug/L	<5.0	5.0	05/03/18 16:55	
2-Nitrophenol	ug/L	<5.0	5.0	05/03/18 16:55	
3&4-Methylphenol(m&p Cresol)	ug/L	<5.0	5.0	05/03/18 16:55	
3,3'-Dichlorobenzidine	ug/L	<5.0	5.0	05/03/18 16:55	
3-Nitroaniline	ug/L	<5.0	5.0	05/03/18 16:55	
4,6-Dinitro-2-methylphenol	ug/L	<10.0	10.0	05/03/18 16:55	
4-Bromophenylphenyl ether	ug/L	<5.0	5.0	05/03/18 16:55	
4-Chloro-3-methylphenol	ug/L	<5.0	5.0	05/03/18 16:55	
4-Chloroaniline	ug/L	<5.0	5.0	05/03/18 16:55	
4-Chlorophenylphenyl ether	ug/L	<5.0	5.0	05/03/18 16:55	
4-Nitroaniline	ug/L	<5.0	5.0	05/03/18 16:55	
4-Nitrophenol	ug/L	<10.0	10.0	05/03/18 16:55	
Acenaphthene	ug/L	<5.0	5.0	05/03/18 16:55	
Acenaphthylene	ug/L	<5.0	5.0	05/03/18 16:55	
Acetophenone	ug/L	<5.0	5.0	05/03/18 16:55	
Anthracene	ug/L	<5.0	5.0	05/03/18 16:55	
Atrazine	ug/L	<5.0	5.0	05/03/18 16:55	IC
Benzaldehyde	ug/L	<5.0	5.0	05/03/18 16:55	IC,IL
Benzo(a)anthracene	ug/L	<5.0	5.0	05/03/18 16:55	
Benzo(a)pyrene	ug/L	<5.0	5.0	05/03/18 16:55	
Benzo(b)fluoranthene	ug/L	<5.0	5.0	05/03/18 16:55	
Benzo(g,h,i)perylene	ug/L	<5.0	5.0	05/03/18 16:55	
Benzo(k)fluoranthene	ug/L	<5.0	5.0	05/03/18 16:55	
Biphenyl (Diphenyl)	ug/L	<5.0	5.0	05/03/18 16:55	
bis(2-Chloroethoxy)methane	ug/L	<5.0	5.0	05/03/18 16:55	
bis(2-Chloroethyl) ether	ug/L	<5.0	5.0	05/03/18 16:55	
bis(2-Ethylhexyl)phthalate	ug/L	<5.0	5.0	05/03/18 16:55	
Butylbenzylphthalate	ug/L	<5.0	5.0	05/03/18 16:55	
Caprolactam	ug/L	<5.0	5.0	05/03/18 16:55	

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QUALITY CONTROL DATA

Project: FORMER COYNE TEXTILE FACILITY

Pace Project No.: 7049098

METHOD BLANK: 297767

Matrix: Water

Associated Lab Samples: 7049098001, 7049098002, 7049098003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Carbazole	ug/L	<5.0	5.0	05/03/18 16:55	
Chrysene	ug/L	<5.0	5.0	05/03/18 16:55	
Di-n-butylphthalate	ug/L	<5.0	5.0	05/03/18 16:55	
Di-n-octylphthalate	ug/L	<5.0	5.0	05/03/18 16:55	
Dibenz(a,h)anthracene	ug/L	<5.0	5.0	05/03/18 16:55	
Dibenzofuran	ug/L	<5.0	5.0	05/03/18 16:55	
Diethylphthalate	ug/L	<5.0	5.0	05/03/18 16:55	
Dimethylphthalate	ug/L	<5.0	5.0	05/03/18 16:55	
Fluoranthene	ug/L	<5.0	5.0	05/03/18 16:55	
Fluorene	ug/L	<5.0	5.0	05/03/18 16:55	
Hexachloro-1,3-butadiene	ug/L	<5.0	5.0	05/03/18 16:55	
Hexachlorobenzene	ug/L	<5.0	5.0	05/03/18 16:55	
Hexachlorocyclopentadiene	ug/L	<5.0	5.0	05/03/18 16:55	
Hexachloroethane	ug/L	<5.0	5.0	05/03/18 16:55	
Indeno(1,2,3-cd)pyrene	ug/L	<5.0	5.0	05/03/18 16:55	
Isophorone	ug/L	<5.0	5.0	05/03/18 16:55	
N-Nitroso-di-n-propylamine	ug/L	<5.0	5.0	05/03/18 16:55	
N-Nitrosodiphenylamine	ug/L	<5.0	5.0	05/03/18 16:55	
Naphthalene	ug/L	<5.0	5.0	05/03/18 16:55	
Nitrobenzene	ug/L	<5.0	5.0	05/03/18 16:55	
Pentachlorophenol	ug/L	<10.0	10.0	05/03/18 16:55	
Phenanthrene	ug/L	<5.0	5.0	05/03/18 16:55	
Phenol	ug/L	<5.0	5.0	05/03/18 16:55	
Pyrene	ug/L	<5.0	5.0	05/03/18 16:55	
1,2-Dichlorobenzene-d4 (S)	%	48	16-110	05/03/18 16:55	
2,4,6-Tribromophenol (S)	%	57	10-123	05/03/18 16:55	
2-Chlorophenol-d4 (S)	%	46	33-110	05/03/18 16:55	
2-Fluorobiphenyl (S)	%	49	43-116	05/03/18 16:55	
2-Fluorophenol (S)	%	34	21-110	05/03/18 16:55	
Nitrobenzene-d5 (S)	%	56	35-114	05/03/18 16:55	
p-Terphenyl-d14 (S)	%	60	33-141	05/03/18 16:55	
Phenol-d5 (S)	%	23	10-110	05/03/18 16:55	

LABORATORY CONTROL SAMPLE: 297768

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
2,2'-Oxybis(1-chloropropane)	ug/L	50	33.8	68	44-100	
2,4,5-Trichlorophenol	ug/L	50	47.0	94	55-125	
2,4,6-Trichlorophenol	ug/L	50	43.8	88	55-114	
2,4-Dichlorophenol	ug/L	50	38.1	76	44-127	
2,4-Dimethylphenol	ug/L	50	19.9	40	39-135	
2,4-Dinitrophenol	ug/L	50	42.4	85	11-101	
2,4-Dinitrotoluene	ug/L	50	51.9	104	55-122	
2,6-Dinitrotoluene	ug/L	50	49.5	99	56-121	

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QUALITY CONTROL DATA

Project: FORMER COYNE TEXTILE FACILITY

Pace Project No.: 7049098

LABORATORY CONTROL SAMPLE: 297768

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
2-Chloronaphthalene	ug/L	50	40.9	82	41-122	
2-Chlorophenol	ug/L	50	35.0	70	43-106	
2-Methylnaphthalene	ug/L	50	35.5	71	31-123	
2-Methylphenol(o-Cresol)	ug/L	50	32.2	64	41-131	
2-Nitroaniline	ug/L	50	42.6	85	48-124	
2-Nitrophenol	ug/L	50	34.9	70	41-128	
3&4-Methylphenol(m&p Cresol)	ug/L	50	29.7	59	15-141	
3,3'-Dichlorobenzidine	ug/L	50	49.2	98	20-132	
3-Nitroaniline	ug/L	50	49.4	99	46-112	
4,6-Dinitro-2-methylphenol	ug/L	50	54.2	108	28-150 IH	
4-Bromophenylphenyl ether	ug/L	50	47.1	94	53-121	
4-Chloro-3-methylphenol	ug/L	50	43.9	88	48-124	
4-Chloroaniline	ug/L	50	34.9	70	25-133	
4-Chlorophenylphenyl ether	ug/L	50	44.1	88	53-116	
4-Nitroaniline	ug/L	50	52.6	105	51-113	
4-Nitrophenol	ug/L	50	23.0	46	10-102	
Acenaphthene	ug/L	50	40.1	80	50-116	
Acenaphthylene	ug/L	50	42.6	85	50-109	
Acetophenone	ug/L	50	37.3	75	42-97	
Anthracene	ug/L	50	40.5	81	54-117	
Atrazine	ug/L	50	69.2	138	50-150 IC	
Benzaldehyde	ug/L	50	41.1	82	50-150 IC,IL	
Benzo(a)anthracene	ug/L	50	49.3	99	31-128	
Benzo(a)pyrene	ug/L	50	52.0	104	30-146	
Benzo(b)fluoranthene	ug/L	50	54.9	110	43-147	
Benzo(g,h,i)perylene	ug/L	50	52.1	104	25-153	
Benzo(k)fluoranthene	ug/L	50	47.1	94	28-148	
Biphenyl (Diphenyl)	ug/L	50	37.0	74	43-116	
bis(2-Chloroethoxy)methane	ug/L	50	34.3	69	47-102	
bis(2-Chloroethyl) ether	ug/L	50	33.4	67	39-111	
bis(2-Ethylhexyl)phthalate	ug/L	50	49.7	99	37-138	
Butylbenzylphthalate	ug/L	50	51.2	102	38-135	
Caprolactam	ug/L	50	13.9	28	10-93	
Carbazole	ug/L	50	45.3	91	69-127	
Chrysene	ug/L	50	47.5	95	42-140	
Di-n-butylphthalate	ug/L	50	49.9	100	50-128	
Di-n-octylphthalate	ug/L	50	49.2	98	32-148	
Dibenz(a,h)anthracene	ug/L	50	53.1	106	22-147	
Dibenzofuran	ug/L	50	37.0	74	53-117	
Diethylphthalate	ug/L	50	47.1	94	54-124	
Dimethylphthalate	ug/L	50	47.6	95	56-121	
Fluoranthene	ug/L	50	40.5	81	50-123	
Fluorene	ug/L	50	42.3	85	51-118	
Hexachloro-1,3-butadiene	ug/L	50	32.8	66	18-90	
Hexachlorobenzene	ug/L	50	46.9	94	52-128	
Hexachlorocyclopentadiene	ug/L	50	35.4	71	13-119	
Hexachloroethane	ug/L	50	30.3	61	41-119	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: FORMER COYNE TEXTILE FACILITY

Pace Project No.: 7049098

LABORATORY CONTROL SAMPLE: 297768

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Indeno(1,2,3-cd)pyrene	ug/L	50	57.7	115	26-156	
Isophorone	ug/L	50	38.5	77	46-118	
N-Nitroso-di-n-propylamine	ug/L	50	38.7	77	40-124	
N-Nitrosodiphenylamine	ug/L	50	45.8	92	41-95	
Naphthalene	ug/L	50	29.7	59	39-107	
Nitrobenzene	ug/L	50	34.5	69	41-122	
Pentachlorophenol	ug/L	50	44.7	89	12-124	
Phenanthrene	ug/L	50	43.2	86	52-126	
Phenol	ug/L	50	18.1	36	10-99	
Pyrene	ug/L	50	42.7	85	41-137	
1,2-Dichlorobenzene-d4 (S)	%			48	16-110	
2,4,6-Tribromophenol (S)	%			74	10-123	
2-Chlorophenol-d4 (S)	%			52	33-110	
2-Fluorobiphenyl (S)	%			63	43-116	
2-Fluorophenol (S)	%			36	21-110	
Nitrobenzene-d5 (S)	%			55	35-114	
p-Terphenyl-d14 (S)	%			74	33-141	
Phenol-d5 (S)	%			25	10-110	

SAMPLE DUPLICATE: 297792

Parameter	Units	7049093001 Result	Dup Result	RPD	Qualifiers
2,2'-Oxybis(1-chloropropane)	ug/L	<5.0	<5.0		
2,4,5-Trichlorophenol	ug/L	<5.0	<5.0		
2,4,6-Trichlorophenol	ug/L	<5.0	<5.0		
2,4-Dichlorophenol	ug/L	<5.0	<5.0		
2,4-Dimethylphenol	ug/L	<5.0	<5.0		
2,4-Dinitrophenol	ug/L	<10.0	<10.0		
2,4-Dinitrotoluene	ug/L	<5.0	<5.0		
2,6-Dinitrotoluene	ug/L	<5.0	<5.0		
2-Chloronaphthalene	ug/L	<5.0	<5.0		
2-Chlorophenol	ug/L	<5.0	<5.0		
2-Methylnaphthalene	ug/L	<5.0	<5.0		
2-Methylphenol(o-Cresol)	ug/L	<5.0	<5.0		
2-Nitroaniline	ug/L	<5.0	<5.0		
2-Nitrophenol	ug/L	<5.0	<5.0		
3&4-Methylphenol(m&p Cresol)	ug/L	<5.0	<5.0		
3,3'-Dichlorobenzidine	ug/L	<5.0	<5.0		
3-Nitroaniline	ug/L	<5.0	<5.0		
4,6-Dinitro-2-methylphenol	ug/L	<10.0	<10.0		
4-Bromophenylphenyl ether	ug/L	<5.0	<5.0		
4-Chloro-3-methylphenol	ug/L	<5.0	<5.0		
4-Chloroaniline	ug/L	<5.0	<5.0		
4-Chlorophenylphenyl ether	ug/L	<5.0	<5.0		
4-Nitroaniline	ug/L	<5.0	<5.0		

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QUALITY CONTROL DATA

Project: FORMER COYNE TEXTILE FACILITY

Pace Project No.: 7049098

SAMPLE DUPLICATE: 297792

Parameter	Units	7049093001 Result	Dup Result	RPD	Qualifiers
4-Nitrophenol	ug/L	<10.0	<10.0		
Acenaphthene	ug/L	<5.0	<5.0		
Acenaphthylene	ug/L	<5.0	<5.0		
Acetophenone	ug/L	<5.0	<5.0		
Anthracene	ug/L	<5.0	<5.0		
Atrazine	ug/L	<5.0	<5.0		IC
Benzaldehyde	ug/L	<5.0	<5.0		IC,IL
Benzo(a)anthracene	ug/L	<5.0	<5.0		
Benzo(a)pyrene	ug/L	<5.0	<5.0		
Benzo(b)fluoranthene	ug/L	<5.0	<5.0		
Benzo(g,h,i)perylene	ug/L	<5.0	<5.0		
Benzo(k)fluoranthene	ug/L	<5.0	<5.0		
Biphenyl (Diphenyl)	ug/L	<5.0	<5.0		
bis(2-Chloroethoxy)methane	ug/L	<5.0	<5.0		
bis(2-Chloroethyl) ether	ug/L	<5.0	<5.0		
bis(2-Ethylhexyl)phthalate	ug/L	<5.0	<5.0		
Butylbenzylphthalate	ug/L	<5.0	<5.0		
Caprolactam	ug/L	<5.0	<5.0		
Carbazole	ug/L	<5.0	<5.0		
Chrysene	ug/L	<5.0	<5.0		
Di-n-butylphthalate	ug/L	<5.0	<5.0		
Di-n-octylphthalate	ug/L	<5.0	<5.0		
Dibenz(a,h)anthracene	ug/L	<5.0	<5.0		
Dibenzofuran	ug/L	<5.0	<5.0		
Diethylphthalate	ug/L	<5.0	<5.0		
Dimethylphthalate	ug/L	<5.0	<5.0		
Fluoranthene	ug/L	<5.0	<5.0		
Fluorene	ug/L	<5.0	<5.0		
Hexachloro-1,3-butadiene	ug/L	<5.0	<5.0		
Hexachlorobenzene	ug/L	<5.0	<5.0		
Hexachlorocyclopentadiene	ug/L	<5.0	<5.0		
Hexachloroethane	ug/L	<5.0	<5.0		
Indeno(1,2,3-cd)pyrene	ug/L	<5.0	<5.0		
Isophorone	ug/L	<5.0	<5.0		
N-Nitroso-di-n-propylamine	ug/L	<5.0	<5.0		
N-Nitrosodiphenylamine	ug/L	<5.0	<5.0		
Naphthalene	ug/L	<5.0	<5.0		
Nitrobenzene	ug/L	<5.0	<5.0		
Pentachlorophenol	ug/L	<10.0	<10.0		
Phenanthrene	ug/L	<5.0	<5.0		
Phenol	ug/L	<5.0	<5.0		
Pyrene	ug/L	<5.0	<5.0		
1,2-Dichlorobenzene-d4 (S)	%	56	50	11	
2,4,6-Tribromophenol (S)	%	67	66	2	
2-Chlorophenol-d4 (S)	%	55	49	11	
2-Fluorobiphenyl (S)	%	66	59	11	
2-Fluorophenol (S)	%	34	35	2	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: FORMER COYNE TEXTILE FACILITY

Pace Project No.: 7049098

SAMPLE DUPLICATE: 297792

Parameter	Units	7049093001 Result	Dup Result	RPD	Qualifiers
Nitrobenzene-d5 (S)	%	62	57	8	
p-Terphenyl-d14 (S)	%	66	64	3	
Phenol-d5 (S)	%	25	24	7	

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REPORT OF LABORATORY ANALYSIS

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QUALIFIERS

Project: FORMER COYNE TEXTILE FACILITY

Pace Project No.: 7049098

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

CL	The continuing calibration for this compound is outside of Pace Analytical acceptance limits. The results may be biased low.
D6	The precision between the sample and sample duplicate exceeded laboratory control limits.
H3	Sample was received or analysis requested beyond the recognized method holding time.
H6	Analysis initiated outside of the 15 minute EPA recommended holding time.
IC	The initial calibration for this compound was outside of method control limits. The result is estimated.
IH	This analyte exceeded secondary source verification criteria high for the initial calibration. The reported results should be considered an estimated value.
IL	This analyte exceeded secondary source verification criteria low for the initial calibration. The reported results should be considered an estimated value.
L2	Analyte recovery in the laboratory control sample (LCS) was below QC limits. Results for this analyte in associated samples may be biased low.
M0	Matrix spike recovery and/or matrix spike duplicate recovery was outside laboratory control limits.
M1	Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.
R1	RPD value was outside control limits.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: FORMER COYNE TEXTILE FACILITY

Pace Project No.: 7049098

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
7049098002	GW-WC100	EPA 3510C	64443	EPA 8081B	64460
7049098003	GW-WC101	EPA 3510C	64443	EPA 8081B	64460
7049098001	GW-EB100	EPA 3510C	64445	EPA 8082A	64461
7049098002	GW-WC100	EPA 3510C	64445	EPA 8082A	64461
7049098003	GW-WC101	EPA 3510C	64445	EPA 8082A	64461
7049098001	GW-EB100	EPA 200.7	64414	EPA 200.7	64424
7049098002	GW-WC100	EPA 200.7	64414	EPA 200.7	64424
7049098003	GW-WC101	EPA 200.7	64414	EPA 200.7	64424
7049098001	GW-EB100	EPA 7470A	64416	EPA 7470A	64426
7049098002	GW-WC100	EPA 7470A	64416	EPA 7470A	64426
7049098003	GW-WC101	EPA 7470A	64416	EPA 7470A	64426
7049098001	GW-EB100	EPA 3510C	64940	EPA 8270D	65039
7049098002	GW-WC100	EPA 3510C	64940	EPA 8270D	65039
7049098003	GW-WC101	EPA 3510C	64940	EPA 8270D	65039
7049098001	GW-EB100	EPA 8260C/5030C	64497		
7049098002	GW-WC100	EPA 8260C/5030C	64497		
7049098003	GW-WC101	EPA 8260C/5030C	64497		
7049098004	TRIP BLANK	EPA 8260C/5030C	64497		
7049098002	GW-WC100	EPA 9040C	64469		
7049098003	GW-WC101	EPA 9040C	64469		

REPORT OF LABORATORY ANALYSIS

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CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.



WO#: 7049098

7049098
Reference:
Pace Project
Manager:
Pace Profile #:

Page: 1 of 1

2203571

LABORATORY AGENCY

NPDES GROUND WATER DRINKING WATER
 UST RCRA OTHER

Site Location STATE: NY

Section A
Required Client Information:

Company: CHA Consulting
 Address: 300 S. State St. Suite 600
Syracuse NY 13202
 Email: kehmann@chacompanies.com
 Phone: 315 457-7254 Fax:
 Requested Due Date/TAT: standard

Section B
Required Project Information:

Report To: Karin Ehmann
 Copy To: Sam Miller
 Purchase Order No.:
 Project Name: Former Coyle Textile Facility
 Project Number: 33525.1602.4600

ITEM #	Section D Required Client Information SAMPLE ID (A-Z, 0-9 / , -) Sample IDs MUST BE UNIQUE	Matrix Codes MATRIX / CODE Drinking Water Water Waste Water Product Soil/Solid Oil Wipe Air Tissue Other	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED		SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives Unpreserved H ₂ SO ₄ HNO ₃ HCl NaOH Na ₂ O ₃ Methanol Other	Requested Analysis Filtered (Y/N)										Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.						
				COMPOSITE START DATE TIME	COMPOSITE END/GRAB DATE TIME				Y	N	↑	Analysis Test	Y	N	↓	TCL VOC 2360	TCL SVOC 2370	TAL Metals			PCBs	Pesticides	TCL PCB A8 Metals	PCB Reactivity	TCLP VOC	
1	AW-EB100		WTG	4/19	1315	4/19/18	1315	X																001		
2	GW-WC100		WTG		1230		1230	X																002		
3	GW-WC101		WTG		1235		1235	X																003		
4	SOIL-WC100		SLG		1320		1320	X																		
5	SOIL-WC101		SLG		1325		1325	X																		
6																										
7																										
8																										
9																										
10																										
11																										
12																										
ADDITIONAL COMMENTS																RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS				
																<u>Ben Shaw CHA</u>	<u>4/19/18</u>	<u>1445</u>	<u>Ben Shaw CHA</u>	<u>4/19/18</u>	<u>1445</u>	Received on	Custody	Sealed Cooler	Temp in °C	Samples Intact
																<u>Ben Shaw CHA</u>	<u>4/19/18</u>	<u>1700</u>	<u>Ben Shaw CHA</u>	<u>4/20/18</u>	<u>10:30</u>	<u>4.2</u>	<u>Y</u>	<u>Y</u>	<u>Y</u>	<u>Y</u>

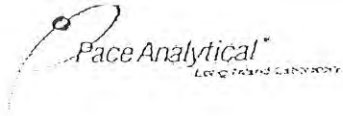
ORIGINAL

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Karin Ehmann

SIGNATURE of SAMPLER: [Signature]

DATE Signed (MM/DD/YYYY): 4/19/2018



Client Name: CHA

Project

WO#: 7049098
PM: JM2 Due Date: 04/27/18
CLIENT: CHA

Courier: Fed Ex UPS USPS Client Commercial Pace Other

Tracking #: 7720 4361 8731
Custody Seal on Cooler/Box Present: Yes No Seals intact: Yes No

Packing Material: Bubble Wrap Bubble Bags Ziploc None Other

Thermometer Used: TH091 Correction Factor: 0.0
Cooler Temperature (°C): 4.2 Cooler Temperature Corrected (°C): 4.2

Temperature Blank Present: Yes No
Type of Ice: Wet Blue None

Samples on ice, cooling process has begun
Date/Time 5035A kits placed in freezer

Temp should be above freezing to 6.0°C
USDA Regulated Soil N/A, water sample

Date and Initials of person examining contents: JM2/20/18

Did samples originate in a quarantine zone within the United States: AL, AR, CA, FL, GA, ID, LA, MS, NC, NM, NY, OK, OR, SC, TN, TX, or VA (check map)? YES NO

Did samples originate from a foreign source (internationally, including Hawaii and Puerto Rico)? Yes No

If Yes to either question, fill out a Regulated Soil Checklist (F-LI-C-010) and include with SCUR/COC paperwork.

		COMMENTS:
Chain of Custody Present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	1.
Chain of Custody Filled Out:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	2.
Chain of Custody Relinquished:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	3.
Sampler Name & Signature on COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	4.
Samples Arrived within Hold Time:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	5.
Short Hold Time Analysis (<72hr):	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	6.
Rush Turn Around Time Requested:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	7.
Sufficient Volume: (Triple volume provided for MS/MSD)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	8.
Correct Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	9.
-Pace Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	10.
Containers Intact:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	11.
Filtered volume received for Dissolved tests	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	11. Note if sediment is visible in the dissolved container.
Sample Labels match COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	12.
-Includes date/time/ID/Analysis Matrix SL WT OIL		
All containers needing preservation have been checked	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	13. <input type="checkbox"/> HNO ₃ <input type="checkbox"/> H ₂ SO ₄ <input type="checkbox"/> NaOH <input type="checkbox"/> HCl
pH paper Lot # <u>1+C727135</u>		Sample #
All containers needing preservation are found to be in compliance with EPA recommendation? (HNO ₃ , H ₂ SO ₄ , HCl, NaOH>9 Sulfide, NaOH>12 Cyanide)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	Initial when completed: Lot # of added preservative: Date/Time preservative added
Exceptions: VOA, Coliform, TOC/DOC, Oil and Grease, DRO/8015 (water). Per Method, VOA pH is checked after analysis		
Samples checked for dechlorination:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	14. Positive for Res. Chlorine? Y N
KI starch test strips Lot #		
Residual chlorine strips Lot #		
Headspace in VOA Vials (>6mm):	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	15.
Trip Blank Present:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	16.
Trip Blank Custody Seals Present	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
Pace Trip Blank Lot # (if applicable):		

Field Data Required? Y / N

Client Notification/ Resolution: _____ Date/Time: _____

Person Contacted: _____

Comments/ Resolution: _____

* PM (Project Manager) review is documented electronically in LIMS.

F-LI-C-002-rev.02

April 30, 2018

Samantha Miller
CHA Companies
300 South Stae Street
Syracuse, NY 13202

RE: Project: FORMER COYANE TESTILE FACILITY
Pace Project No.: 7049109

Dear Samantha Miller:

Enclosed are the analytical results for sample(s) received by the laboratory on April 20, 2018. The results relate only to the samples included in this report. Results reported herein conform to the most current, applicable TNI/NELAC standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,



James Murphy
james.murphy@pacelabs.com
(518)346-4592
Project Manager

Enclosures

cc: Karyn Ehmann, CHA Companies



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: FORMER COYANE TESTILE FACILITY
Pace Project No.: 7049109

Minnesota Certification IDs

1700 Elm Street SE, Suite 200, Minneapolis, MN 55414-2485
A2LA Certification #: 2926.01
Alabama Certification #: 40770
Alaska Contaminated Sites Certification #: 17-009
Alaska DW Certification #: MN00064
Arizona Certification #: AZ0014
Arkansas Certification #: 88-0680
California Certification #: 2929
CNMI Saipan Certification #: MP0003
Colorado Certification #: MN00064
Connecticut Certification #: PH-0256
EPA Region 8+Wyoming DW Certification #: via MN 027-053-137
Florida Certification #: E87605
Georgia Certification #: 959
Guam EPA Certification #: MN00064
Hawaii Certification #: MN00064
Idaho Certification #: MN00064
Illinois Certification #: 200011
Indiana Certification #: C-MN-01
Iowa Certification #: 368
Kansas Certification #: E-10167
Kentucky DW Certification #: 90062
Kentucky WW Certification #: 90062
Louisiana DEQ Certification #: 03086
Louisiana DW Certification #: MN00064
Maine Certification #: MN00064
Maryland Certification #: 322
Massachusetts Certification #: M-MN064

Michigan Certification #: 9909
Minnesota Certification #: 027-053-137
Mississippi Certification #: MN00064
Montana Certification #: CERT0092
Nebraska Certification #: NE-OS-18-06
Nevada Certification #: MN00064
New Hampshire Certification #: 2081
New Jersey Certification #: MN002
New York Certification #: 11647
North Carolina DW Certification #: 27700
North Carolina WW Certification #: 530
North Dakota Certification #: R-036
Ohio DW Certification #: 41244
Ohio VAP Certification #: CL101
Oklahoma Certification #: 9507
Oregon NwTPH Certification #: MN300001
Oregon Secondary Certification #: MN200001
Pennsylvania Certification #: 68-00563
Puerto Rico Certification #: MN00064
South Carolina Certification #: 74003001
Tennessee Certification #: TN02818
Texas Certification #: T104704192
Utah Certification #: MN00064
Virginia Certification #: 460163
Washington Certification #: C486
West Virginia DW Certification #: 9952 C
West Virginia DEP Certification #: 382
Wisconsin Certification #: 999407970

REPORT OF LABORATORY ANALYSIS

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SAMPLE SUMMARY

Project: FORMER COYANE TESTILE FACILITY

Pace Project No.: 7049109

Lab ID	Sample ID	Matrix	Date Collected	Date Received
7049109001	SVP 100	Air	04/18/18 16:15	04/20/18 10:30
7049109002	SVP 101	Air	04/18/18 16:25	04/20/18 10:30
7049109003	SVP 0A100	Air	04/18/18 15:44	04/20/18 10:30
7049109004	SVP IA100	Air	04/18/18 18:16	04/20/18 10:30
7049109005	SVP IA101	Air	04/18/18 19:08	04/20/18 10:30
7049109006	SVP IA102	Air	04/18/18 17:05	04/20/18 10:30
7049109007	SVP IA103	Air	04/18/18 17:24	04/20/18 10:30
7049109008	SVP IA104	Air	04/18/18 17:42	04/20/18 10:30
7049109009	SVP IA105	Air	04/18/18 18:02	04/20/18 10:30
7049109010	SVP IAQ100	Air	04/18/18 17:51	04/20/18 10:30
7049109011	SVP IAQ101	Air	04/18/18 18:13	04/20/18 10:30

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SAMPLE ANALYTE COUNT

Project: FORMER COYANE TESTILE FACILITY

Pace Project No.: 7049109

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
7049109001	SVP 100	TO-15	CH1	61	PASI-M
7049109002	SVP 101	TO-15	CH1	61	PASI-M
7049109003	SVP 0A100	TO-15	CH1	61	PASI-M
7049109004	SVP IA100	TO-15	CH1	61	PASI-M
7049109005	SVP IA101	TO-15	CH1	61	PASI-M
7049109006	SVP IA102	TO-15	CH1	61	PASI-M
7049109007	SVP IA103	TO-15	CH1	61	PASI-M
7049109008	SVP IA104	TO-15	CH1	61	PASI-M
7049109009	SVP IA105	TO-15	CH1	61	PASI-M
7049109010	SVP IAQ100	TO-15	CH1	61	PASI-M
7049109011	SVP IAQ101	TO-15	CH1	61	PASI-M

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ANALYTICAL RESULTS

Project: FORMER COYANE TESTILE FACILITY

Pace Project No.: 7049109

Sample: SVP 100	Lab ID: 7049109001	Collected: 04/18/18 16:15	Received: 04/20/18 10:30	Matrix: Air				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR		Analytical Method: TO-15						
Acetone	259	ug/m3	3.9	1.61		04/26/18 19:30	67-64-1	
Benzene	2.8	ug/m3	0.52	1.61		04/26/18 19:30	71-43-2	
Benzyl chloride	ND	ug/m3	1.7	1.61		04/26/18 19:30	100-44-7	
Bromodichloromethane	ND	ug/m3	2.2	1.61		04/26/18 19:30	75-27-4	
Bromoform	ND	ug/m3	3.4	1.61		04/26/18 19:30	75-25-2	
Bromomethane	ND	ug/m3	1.3	1.61		04/26/18 19:30	74-83-9	
1,3-Butadiene	ND	ug/m3	1.8	1.61		04/26/18 19:30	106-99-0	
2-Butanone (MEK)	37.0	ug/m3	4.8	1.61		04/26/18 19:30	78-93-3	
Carbon disulfide	ND	ug/m3	1.0	1.61		04/26/18 19:30	75-15-0	
Carbon tetrachloride	ND	ug/m3	1.0	1.61		04/26/18 19:30	56-23-5	
Chlorobenzene	ND	ug/m3	1.5	1.61		04/26/18 19:30	108-90-7	
Chloroethane	ND	ug/m3	2.2	1.61		04/26/18 19:30	75-00-3	
Chloroform	ND	ug/m3	0.80	1.61		04/26/18 19:30	67-66-3	
Chloromethane	ND	ug/m3	0.68	1.61		04/26/18 19:30	74-87-3	
Cyclohexane	ND	ug/m3	1.1	1.61		04/26/18 19:30	110-82-7	
Dibromochloromethane	ND	ug/m3	2.8	1.61		04/26/18 19:30	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/m3	2.5	1.61		04/26/18 19:30	106-93-4	
1,2-Dichlorobenzene	ND	ug/m3	2.0	1.61		04/26/18 19:30	95-50-1	
1,3-Dichlorobenzene	ND	ug/m3	2.0	1.61		04/26/18 19:30	541-73-1	
1,4-Dichlorobenzene	ND	ug/m3	2.0	1.61		04/26/18 19:30	106-46-7	
Dichlorodifluoromethane	ND	ug/m3	1.6	1.61		04/26/18 19:30	75-71-8	
1,1-Dichloroethane	ND	ug/m3	1.3	1.61		04/26/18 19:30	75-34-3	
1,2-Dichloroethane	ND	ug/m3	0.66	1.61		04/26/18 19:30	107-06-2	
1,1-Dichloroethene	ND	ug/m3	1.3	1.61		04/26/18 19:30	75-35-4	
cis-1,2-Dichloroethene	ND	ug/m3	1.3	1.61		04/26/18 19:30	156-59-2	
trans-1,2-Dichloroethene	ND	ug/m3	1.3	1.61		04/26/18 19:30	156-60-5	
1,2-Dichloropropane	ND	ug/m3	1.5	1.61		04/26/18 19:30	78-87-5	
cis-1,3-Dichloropropene	ND	ug/m3	1.5	1.61		04/26/18 19:30	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/m3	1.5	1.61		04/26/18 19:30	10061-02-6	
Dichlorotetrafluoroethane	ND	ug/m3	2.3	1.61		04/26/18 19:30	76-14-2	
Ethanol	91.3	ug/m3	3.1	1.61		04/26/18 19:30	64-17-5	
Ethyl acetate	ND	ug/m3	1.2	1.61		04/26/18 19:30	141-78-6	
Ethylbenzene	12.2	ug/m3	1.4	1.61		04/26/18 19:30	100-41-4	
4-Ethyltoluene	47.5	ug/m3	1.6	1.61		04/26/18 19:30	622-96-8	
n-Heptane	15.8	ug/m3	1.3	1.61		04/26/18 19:30	142-82-5	
Hexachloro-1,3-butadiene	ND	ug/m3	3.5	1.61		04/26/18 19:30	87-68-3	
n-Hexane	21.1	ug/m3	1.2	1.61		04/26/18 19:30	110-54-3	
2-Hexanone	ND	ug/m3	6.7	1.61		04/26/18 19:30	591-78-6	
Methylene Chloride	ND	ug/m3	5.7	1.61		04/26/18 19:30	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/m3	6.7	1.61		04/26/18 19:30	108-10-1	
Methyl-tert-butyl ether	ND	ug/m3	5.9	1.61		04/26/18 19:30	1634-04-4	
Naphthalene	29.8	ug/m3	4.3	1.61		04/26/18 19:30	91-20-3	
2-Propanol	ND	ug/m3	4.0	1.61		04/26/18 19:30	67-63-0	
Propylene	ND	ug/m3	0.56	1.61		04/26/18 19:30	115-07-1	
Styrene	ND	ug/m3	1.4	1.61		04/26/18 19:30	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/m3	1.1	1.61		04/26/18 19:30	79-34-5	
Tetrachloroethene	ND	ug/m3	1.1	1.61		04/26/18 19:30	127-18-4	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: FORMER COYANE TESTILE FACILITY

Pace Project No.: 7049109

Sample: SVP 100	Lab ID: 7049109001	Collected: 04/18/18 16:15	Received: 04/20/18 10:30	Matrix: Air				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR	Analytical Method: TO-15							
Tetrahydrofuran	ND	ug/m3	0.97	1.61		04/26/18 19:30	109-99-9	
Toluene	20.9	ug/m3	1.2	1.61		04/26/18 19:30	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/m3	6.1	1.61		04/26/18 19:30	120-82-1	
1,1,1-Trichloroethane	ND	ug/m3	1.8	1.61		04/26/18 19:30	71-55-6	
1,1,2-Trichloroethane	ND	ug/m3	0.89	1.61		04/26/18 19:30	79-00-5	
Trichloroethene	ND	ug/m3	0.88	1.61		04/26/18 19:30	79-01-6	
Trichlorofluoromethane	ND	ug/m3	1.8	1.61		04/26/18 19:30	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/m3	2.5	1.61		04/26/18 19:30	76-13-1	
1,2,4-Trimethylbenzene	209	ug/m3	1.6	1.61		04/26/18 19:30	95-63-6	
1,3,5-Trimethylbenzene	58.1	ug/m3	1.6	1.61		04/26/18 19:30	108-67-8	
Vinyl acetate	ND	ug/m3	1.2	1.61		04/26/18 19:30	108-05-4	
Vinyl chloride	ND	ug/m3	0.84	1.61		04/26/18 19:30	75-01-4	
m&p-Xylene	108	ug/m3	2.8	1.61		04/26/18 19:30	179601-23-1	
o-Xylene	43.2	ug/m3	1.4	1.61		04/26/18 19:30	95-47-6	

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ANALYTICAL RESULTS

Project: FORMER COYANE TESTILE FACILITY

Pace Project No.: 7049109

Sample: SVP 101	Lab ID: 7049109002	Collected: 04/18/18 16:25	Received: 04/20/18 10:30	Matrix: Air				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR	Analytical Method: TO-15							
Acetone	1060	ug/m3	108	44.7		04/26/18 02:02	67-64-1	
Benzene	ND	ug/m3	14.5	44.7		04/26/18 02:02	71-43-2	
Benzyl chloride	ND	ug/m3	46.9	44.7		04/26/18 02:02	100-44-7	
Bromodichloromethane	ND	ug/m3	60.8	44.7		04/26/18 02:02	75-27-4	
Bromoform	ND	ug/m3	93.9	44.7		04/26/18 02:02	75-25-2	
Bromomethane	ND	ug/m3	35.3	44.7		04/26/18 02:02	74-83-9	
1,3-Butadiene	ND	ug/m3	50.2	44.7		04/26/18 02:02	106-99-0	
2-Butanone (MEK)	ND	ug/m3	134	44.7		04/26/18 02:02	78-93-3	
Carbon disulfide	ND	ug/m3	28.3	44.7		04/26/18 02:02	75-15-0	
Carbon tetrachloride	ND	ug/m3	28.6	44.7		04/26/18 02:02	56-23-5	
Chlorobenzene	ND	ug/m3	41.8	44.7		04/26/18 02:02	108-90-7	
Chloroethane	ND	ug/m3	59.9	44.7		04/26/18 02:02	75-00-3	
Chloroform	ND	ug/m3	22.2	44.7		04/26/18 02:02	67-66-3	
Chloromethane	ND	ug/m3	18.8	44.7		04/26/18 02:02	74-87-3	
Cyclohexane	ND	ug/m3	31.3	44.7		04/26/18 02:02	110-82-7	
Dibromochloromethane	ND	ug/m3	77.3	44.7		04/26/18 02:02	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/m3	69.7	44.7		04/26/18 02:02	106-93-4	
1,2-Dichlorobenzene	ND	ug/m3	54.5	44.7		04/26/18 02:02	95-50-1	
1,3-Dichlorobenzene	ND	ug/m3	54.5	44.7		04/26/18 02:02	541-73-1	
1,4-Dichlorobenzene	ND	ug/m3	54.5	44.7		04/26/18 02:02	106-46-7	
Dichlorodifluoromethane	ND	ug/m3	45.1	44.7		04/26/18 02:02	75-71-8	
1,1-Dichloroethane	ND	ug/m3	36.8	44.7		04/26/18 02:02	75-34-3	
1,2-Dichloroethane	ND	ug/m3	18.4	44.7		04/26/18 02:02	107-06-2	
1,1-Dichloroethene	ND	ug/m3	36.0	44.7		04/26/18 02:02	75-35-4	
cis-1,2-Dichloroethene	ND	ug/m3	36.0	44.7		04/26/18 02:02	156-59-2	
trans-1,2-Dichloroethene	ND	ug/m3	36.0	44.7		04/26/18 02:02	156-60-5	
1,2-Dichloropropane	ND	ug/m3	42.0	44.7		04/26/18 02:02	78-87-5	
cis-1,3-Dichloropropene	ND	ug/m3	41.3	44.7		04/26/18 02:02	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/m3	41.3	44.7		04/26/18 02:02	10061-02-6	
Dichlorotetrafluoroethane	ND	ug/m3	63.5	44.7		04/26/18 02:02	76-14-2	
Ethanol	ND	ug/m3	85.6	44.7		04/26/18 02:02	64-17-5	
Ethyl acetate	ND	ug/m3	32.8	44.7		04/26/18 02:02	141-78-6	
Ethylbenzene	ND	ug/m3	39.5	44.7		04/26/18 02:02	100-41-4	
4-Ethyltoluene	ND	ug/m3	44.7	44.7		04/26/18 02:02	622-96-8	
n-Heptane	ND	ug/m3	37.2	44.7		04/26/18 02:02	142-82-5	
Hexachloro-1,3-butadiene	ND	ug/m3	97.0	44.7		04/26/18 02:02	87-68-3	
n-Hexane	ND	ug/m3	32.0	44.7		04/26/18 02:02	110-54-3	
2-Hexanone	ND	ug/m3	186	44.7		04/26/18 02:02	591-78-6	
Methylene Chloride	ND	ug/m3	158	44.7		04/26/18 02:02	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/m3	186	44.7		04/26/18 02:02	108-10-1	
Methyl-tert-butyl ether	ND	ug/m3	164	44.7		04/26/18 02:02	1634-04-4	
Naphthalene	ND	ug/m3	119	44.7		04/26/18 02:02	91-20-3	
2-Propanol	ND	ug/m3	112	44.7		04/26/18 02:02	67-63-0	
Propylene	ND	ug/m3	15.6	44.7		04/26/18 02:02	115-07-1	
Styrene	ND	ug/m3	38.7	44.7		04/26/18 02:02	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/m3	31.2	44.7		04/26/18 02:02	79-34-5	
Tetrachloroethene	ND	ug/m3	30.8	44.7		04/26/18 02:02	127-18-4	

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ANALYTICAL RESULTS

Project: FORMER COYANE TESTILE FACILITY

Pace Project No.: 7049109

Sample: SVP 101	Lab ID: 7049109002	Collected: 04/18/18 16:25	Received: 04/20/18 10:30	Matrix: Air				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR	Analytical Method: TO-15							
Tetrahydrofuran	ND	ug/m3	26.8	44.7		04/26/18 02:02	109-99-9	
Toluene	ND	ug/m3	34.2	44.7		04/26/18 02:02	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/m3	169	44.7		04/26/18 02:02	120-82-1	
1,1,1-Trichloroethane	ND	ug/m3	49.6	44.7		04/26/18 02:02	71-55-6	
1,1,2-Trichloroethane	ND	ug/m3	24.8	44.7		04/26/18 02:02	79-00-5	
Trichloroethene	ND	ug/m3	24.4	44.7		04/26/18 02:02	79-01-6	
Trichlorofluoromethane	ND	ug/m3	51.0	44.7		04/26/18 02:02	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/m3	69.7	44.7		04/26/18 02:02	76-13-1	
1,2,4-Trimethylbenzene	906	ug/m3	44.7	44.7		04/26/18 02:02	95-63-6	
1,3,5-Trimethylbenzene	1490	ug/m3	44.7	44.7		04/26/18 02:02	108-67-8	
Vinyl acetate	ND	ug/m3	32.0	44.7		04/26/18 02:02	108-05-4	
Vinyl chloride	ND	ug/m3	23.2	44.7		04/26/18 02:02	75-01-4	
m&p-Xylene	613	ug/m3	79.1	44.7		04/26/18 02:02	179601-23-1	
o-Xylene	717	ug/m3	39.5	44.7		04/26/18 02:02	95-47-6	

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ANALYTICAL RESULTS

Project: FORMER COYANE TESTILE FACILITY

Pace Project No.: 7049109

Sample: SVP 0A100	Lab ID: 7049109003	Collected: 04/18/18 15:44	Received: 04/20/18 10:30	Matrix: Air				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR		Analytical Method: TO-15						
Acetone	6.9	ug/m3	4.0	1.68		04/25/18 18:55	67-64-1	
Benzene	ND	ug/m3	0.55	1.68		04/25/18 18:55	71-43-2	
Benzyl chloride	ND	ug/m3	1.8	1.68		04/25/18 18:55	100-44-7	
Bromodichloromethane	ND	ug/m3	2.3	1.68		04/25/18 18:55	75-27-4	
Bromoform	ND	ug/m3	3.5	1.68		04/25/18 18:55	75-25-2	
Bromomethane	ND	ug/m3	1.3	1.68		04/25/18 18:55	74-83-9	
1,3-Butadiene	ND	ug/m3	1.9	1.68		04/25/18 18:55	106-99-0	
2-Butanone (MEK)	ND	ug/m3	5.0	1.68		04/25/18 18:55	78-93-3	
Carbon disulfide	ND	ug/m3	1.1	1.68		04/25/18 18:55	75-15-0	
Carbon tetrachloride	ND	ug/m3	1.1	1.68		04/25/18 18:55	56-23-5	
Chlorobenzene	ND	ug/m3	1.6	1.68		04/25/18 18:55	108-90-7	
Chloroethane	ND	ug/m3	2.3	1.68		04/25/18 18:55	75-00-3	
Chloroform	ND	ug/m3	0.83	1.68		04/25/18 18:55	67-66-3	
Chloromethane	ND	ug/m3	0.71	1.68		04/25/18 18:55	74-87-3	
Cyclohexane	ND	ug/m3	1.2	1.68		04/25/18 18:55	110-82-7	
Dibromochloromethane	ND	ug/m3	2.9	1.68		04/25/18 18:55	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/m3	2.6	1.68		04/25/18 18:55	106-93-4	
1,2-Dichlorobenzene	ND	ug/m3	2.0	1.68		04/25/18 18:55	95-50-1	
1,3-Dichlorobenzene	ND	ug/m3	2.0	1.68		04/25/18 18:55	541-73-1	
1,4-Dichlorobenzene	ND	ug/m3	2.0	1.68		04/25/18 18:55	106-46-7	
Dichlorodifluoromethane	ND	ug/m3	1.7	1.68		04/25/18 18:55	75-71-8	
1,1-Dichloroethane	ND	ug/m3	1.4	1.68		04/25/18 18:55	75-34-3	
1,2-Dichloroethane	ND	ug/m3	0.69	1.68		04/25/18 18:55	107-06-2	
1,1-Dichloroethene	ND	ug/m3	1.4	1.68		04/25/18 18:55	75-35-4	
cis-1,2-Dichloroethene	ND	ug/m3	1.4	1.68		04/25/18 18:55	156-59-2	
trans-1,2-Dichloroethene	ND	ug/m3	1.4	1.68		04/25/18 18:55	156-60-5	
1,2-Dichloropropane	ND	ug/m3	1.6	1.68		04/25/18 18:55	78-87-5	
cis-1,3-Dichloropropene	ND	ug/m3	1.6	1.68		04/25/18 18:55	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/m3	1.6	1.68		04/25/18 18:55	10061-02-6	
Dichlorotetrafluoroethane	ND	ug/m3	2.4	1.68		04/25/18 18:55	76-14-2	
Ethanol	16.4	ug/m3	3.2	1.68		04/25/18 18:55	64-17-5	
Ethyl acetate	ND	ug/m3	1.2	1.68		04/25/18 18:55	141-78-6	
Ethylbenzene	ND	ug/m3	1.5	1.68		04/25/18 18:55	100-41-4	
4-Ethyltoluene	ND	ug/m3	1.7	1.68		04/25/18 18:55	622-96-8	
n-Heptane	ND	ug/m3	1.4	1.68		04/25/18 18:55	142-82-5	
Hexachloro-1,3-butadiene	ND	ug/m3	3.6	1.68		04/25/18 18:55	87-68-3	
n-Hexane	ND	ug/m3	1.2	1.68		04/25/18 18:55	110-54-3	
2-Hexanone	ND	ug/m3	7.0	1.68		04/25/18 18:55	591-78-6	
Methylene Chloride	ND	ug/m3	5.9	1.68		04/25/18 18:55	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/m3	7.0	1.68		04/25/18 18:55	108-10-1	
Methyl-tert-butyl ether	ND	ug/m3	6.1	1.68		04/25/18 18:55	1634-04-4	
Naphthalene	ND	ug/m3	4.5	1.68		04/25/18 18:55	91-20-3	
2-Propanol	5.3	ug/m3	4.2	1.68		04/25/18 18:55	67-63-0	
Propylene	ND	ug/m3	0.59	1.68		04/25/18 18:55	115-07-1	
Styrene	ND	ug/m3	1.5	1.68		04/25/18 18:55	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/m3	1.2	1.68		04/25/18 18:55	79-34-5	
Tetrachloroethene	ND	ug/m3	1.2	1.68		04/25/18 18:55	127-18-4	

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ANALYTICAL RESULTS

Project: FORMER COYANE TESTILE FACILITY

Pace Project No.: 7049109

Sample: SVP 0A100		Lab ID: 7049109003		Collected: 04/18/18 15:44		Received: 04/20/18 10:30		Matrix: Air	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
TO15 MSV AIR		Analytical Method: TO-15							
Tetrahydrofuran	ND	ug/m3	1.0	1.68		04/25/18 18:55	109-99-9		
Toluene	ND	ug/m3	1.3	1.68		04/25/18 18:55	108-88-3		
1,2,4-Trichlorobenzene	ND	ug/m3	6.3	1.68		04/25/18 18:55	120-82-1		
1,1,1-Trichloroethane	ND	ug/m3	1.9	1.68		04/25/18 18:55	71-55-6		
1,1,2-Trichloroethane	ND	ug/m3	0.93	1.68		04/25/18 18:55	79-00-5		
Trichloroethene	ND	ug/m3	0.92	1.68		04/25/18 18:55	79-01-6		
Trichlorofluoromethane	ND	ug/m3	1.9	1.68		04/25/18 18:55	75-69-4		
1,1,2-Trichlorotrifluoroethane	ND	ug/m3	2.6	1.68		04/25/18 18:55	76-13-1		
1,2,4-Trimethylbenzene	ND	ug/m3	1.7	1.68		04/25/18 18:55	95-63-6		
1,3,5-Trimethylbenzene	ND	ug/m3	1.7	1.68		04/25/18 18:55	108-67-8		
Vinyl acetate	ND	ug/m3	1.2	1.68		04/25/18 18:55	108-05-4		
Vinyl chloride	ND	ug/m3	0.87	1.68		04/25/18 18:55	75-01-4		
m&p-Xylene	ND	ug/m3	3.0	1.68		04/25/18 18:55	179601-23-1		
o-Xylene	ND	ug/m3	1.5	1.68		04/25/18 18:55	95-47-6		

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ANALYTICAL RESULTS

Project: FORMER COYANE TESTILE FACILITY

Pace Project No.: 7049109

Sample: SVP IA100	Lab ID: 7049109004	Collected: 04/18/18 18:16	Received: 04/20/18 10:30	Matrix: Air				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR		Analytical Method: TO-15						
Acetone	600	ug/m3	3.8	1.58		04/25/18 20:01	67-64-1	
Benzene	3.0	ug/m3	0.51	1.58		04/25/18 20:01	71-43-2	
Benzyl chloride	ND	ug/m3	1.7	1.58		04/25/18 20:01	100-44-7	
Bromodichloromethane	3.6	ug/m3	2.1	1.58		04/25/18 20:01	75-27-4	
Bromoform	ND	ug/m3	3.3	1.58		04/25/18 20:01	75-25-2	
Bromomethane	ND	ug/m3	1.2	1.58		04/25/18 20:01	74-83-9	
1,3-Butadiene	ND	ug/m3	1.8	1.58		04/25/18 20:01	106-99-0	
2-Butanone (MEK)	53.8	ug/m3	4.7	1.58		04/25/18 20:01	78-93-3	
Carbon disulfide	4.5	ug/m3	1.0	1.58		04/25/18 20:01	75-15-0	
Carbon tetrachloride	ND	ug/m3	1.0	1.58		04/25/18 20:01	56-23-5	
Chlorobenzene	ND	ug/m3	1.5	1.58		04/25/18 20:01	108-90-7	
Chloroethane	ND	ug/m3	2.1	1.58		04/25/18 20:01	75-00-3	
Chloroform	33.9	ug/m3	0.78	1.58		04/25/18 20:01	67-66-3	
Chloromethane	ND	ug/m3	0.66	1.58		04/25/18 20:01	74-87-3	
Cyclohexane	ND	ug/m3	1.1	1.58		04/25/18 20:01	110-82-7	
Dibromochloromethane	ND	ug/m3	2.7	1.58		04/25/18 20:01	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/m3	2.5	1.58		04/25/18 20:01	106-93-4	
1,2-Dichlorobenzene	ND	ug/m3	1.9	1.58		04/25/18 20:01	95-50-1	
1,3-Dichlorobenzene	ND	ug/m3	1.9	1.58		04/25/18 20:01	541-73-1	
1,4-Dichlorobenzene	ND	ug/m3	1.9	1.58		04/25/18 20:01	106-46-7	
Dichlorodifluoromethane	133	ug/m3	1.6	1.58		04/25/18 20:01	75-71-8	
1,1-Dichloroethane	ND	ug/m3	1.3	1.58		04/25/18 20:01	75-34-3	
1,2-Dichloroethane	ND	ug/m3	0.65	1.58		04/25/18 20:01	107-06-2	
1,1-Dichloroethene	ND	ug/m3	1.3	1.58		04/25/18 20:01	75-35-4	
cis-1,2-Dichloroethene	ND	ug/m3	1.3	1.58		04/25/18 20:01	156-59-2	
trans-1,2-Dichloroethene	ND	ug/m3	1.3	1.58		04/25/18 20:01	156-60-5	
1,2-Dichloropropane	ND	ug/m3	1.5	1.58		04/25/18 20:01	78-87-5	
cis-1,3-Dichloropropene	ND	ug/m3	1.5	1.58		04/25/18 20:01	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/m3	1.5	1.58		04/25/18 20:01	10061-02-6	
Dichlorotetrafluoroethane	ND	ug/m3	2.2	1.58		04/25/18 20:01	76-14-2	
Ethanol	25.9	ug/m3	3.0	1.58		04/25/18 20:01	64-17-5	
Ethyl acetate	ND	ug/m3	1.2	1.58		04/25/18 20:01	141-78-6	
Ethylbenzene	83.6	ug/m3	1.4	1.58		04/25/18 20:01	100-41-4	
4-Ethyltoluene	2.6	ug/m3	1.6	1.58		04/25/18 20:01	622-96-8	
n-Heptane	ND	ug/m3	1.3	1.58		04/25/18 20:01	142-82-5	
Hexachloro-1,3-butadiene	ND	ug/m3	3.4	1.58		04/25/18 20:01	87-68-3	
n-Hexane	ND	ug/m3	1.1	1.58		04/25/18 20:01	110-54-3	
2-Hexanone	ND	ug/m3	6.6	1.58		04/25/18 20:01	591-78-6	
Methylene Chloride	ND	ug/m3	5.6	1.58		04/25/18 20:01	75-09-2	
4-Methyl-2-pentanone (MIBK)	10.6	ug/m3	6.6	1.58		04/25/18 20:01	108-10-1	
Methyl-tert-butyl ether	ND	ug/m3	5.8	1.58		04/25/18 20:01	1634-04-4	
Naphthalene	ND	ug/m3	4.2	1.58		04/25/18 20:01	91-20-3	
2-Propanol	ND	ug/m3	4.0	1.58		04/25/18 20:01	67-63-0	
Propylene	6.2	ug/m3	0.55	1.58		04/25/18 20:01	115-07-1	
Styrene	ND	ug/m3	1.4	1.58		04/25/18 20:01	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/m3	1.1	1.58		04/25/18 20:01	79-34-5	
Tetrachloroethene	461	ug/m3	10.9	15.8		04/26/18 14:10	127-18-4	

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ANALYTICAL RESULTS

Project: FORMER COYANE TESTILE FACILITY

Pace Project No.: 7049109

Sample: SVP IA100		Lab ID: 7049109004		Collected: 04/18/18 18:16		Received: 04/20/18 10:30		Matrix: Air	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
TO15 MSV AIR		Analytical Method: TO-15							
Tetrahydrofuran	ND	ug/m3	0.95	1.58		04/25/18 20:01	109-99-9		
Toluene	33.8	ug/m3	1.2	1.58		04/25/18 20:01	108-88-3		
1,2,4-Trichlorobenzene	ND	ug/m3	6.0	1.58		04/25/18 20:01	120-82-1		
1,1,1-Trichloroethane	3.7	ug/m3	1.8	1.58		04/25/18 20:01	71-55-6		
1,1,2-Trichloroethane	ND	ug/m3	0.88	1.58		04/25/18 20:01	79-00-5		
Trichloroethene	ND	ug/m3	0.86	1.58		04/25/18 20:01	79-01-6		
Trichlorofluoromethane	ND	ug/m3	1.8	1.58		04/25/18 20:01	75-69-4		
1,1,2-Trichlorotrifluoroethane	ND	ug/m3	2.5	1.58		04/25/18 20:01	76-13-1		
1,2,4-Trimethylbenzene	10.3	ug/m3	1.6	1.58		04/25/18 20:01	95-63-6		
1,3,5-Trimethylbenzene	ND	ug/m3	1.6	1.58		04/25/18 20:01	108-67-8		
Vinyl acetate	4.1	ug/m3	1.1	1.58		04/25/18 20:01	108-05-4		
Vinyl chloride	ND	ug/m3	0.82	1.58		04/25/18 20:01	75-01-4		
m&p-Xylene	216	ug/m3	2.8	1.58		04/25/18 20:01	179601-23-1		
o-Xylene	38.4	ug/m3	1.4	1.58		04/25/18 20:01	95-47-6		

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ANALYTICAL RESULTS

Project: FORMER COYANE TESTILE FACILITY

Pace Project No.: 7049109

Sample: SVP IA101	Lab ID: 7049109005	Collected: 04/18/18 19:08	Received: 04/20/18 10:30	Matrix: Air				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR		Analytical Method: TO-15						
Acetone	168	ug/m3	6.1	2.52		04/25/18 20:35	67-64-1	
Benzene	6.1	ug/m3	0.82	2.52		04/25/18 20:35	71-43-2	
Benzyl chloride	ND	ug/m3	2.6	2.52		04/25/18 20:35	100-44-7	
Bromodichloromethane	ND	ug/m3	3.4	2.52		04/25/18 20:35	75-27-4	
Bromoform	ND	ug/m3	5.3	2.52		04/25/18 20:35	75-25-2	
Bromomethane	ND	ug/m3	2.0	2.52		04/25/18 20:35	74-83-9	
1,3-Butadiene	ND	ug/m3	2.8	2.52		04/25/18 20:35	106-99-0	
2-Butanone (MEK)	ND	ug/m3	7.6	2.52		04/25/18 20:35	78-93-3	
Carbon disulfide	ND	ug/m3	1.6	2.52		04/25/18 20:35	75-15-0	
Carbon tetrachloride	ND	ug/m3	1.6	2.52		04/25/18 20:35	56-23-5	
Chlorobenzene	ND	ug/m3	2.4	2.52		04/25/18 20:35	108-90-7	
Chloroethane	ND	ug/m3	3.4	2.52		04/25/18 20:35	75-00-3	
Chloroform	ND	ug/m3	1.2	2.52		04/25/18 20:35	67-66-3	
Chloromethane	ND	ug/m3	1.1	2.52		04/25/18 20:35	74-87-3	
Cyclohexane	ND	ug/m3	1.8	2.52		04/25/18 20:35	110-82-7	
Dibromochloromethane	ND	ug/m3	4.4	2.52		04/25/18 20:35	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/m3	3.9	2.52		04/25/18 20:35	106-93-4	
1,2-Dichlorobenzene	ND	ug/m3	3.1	2.52		04/25/18 20:35	95-50-1	
1,3-Dichlorobenzene	ND	ug/m3	3.1	2.52		04/25/18 20:35	541-73-1	
1,4-Dichlorobenzene	ND	ug/m3	3.1	2.52		04/25/18 20:35	106-46-7	
Dichlorodifluoromethane	ND	ug/m3	2.5	2.52		04/25/18 20:35	75-71-8	
1,1-Dichloroethane	ND	ug/m3	2.1	2.52		04/25/18 20:35	75-34-3	
1,2-Dichloroethane	ND	ug/m3	1.0	2.52		04/25/18 20:35	107-06-2	
1,1-Dichloroethene	ND	ug/m3	2.0	2.52		04/25/18 20:35	75-35-4	
cis-1,2-Dichloroethene	ND	ug/m3	2.0	2.52		04/25/18 20:35	156-59-2	
trans-1,2-Dichloroethene	ND	ug/m3	2.0	2.52		04/25/18 20:35	156-60-5	
1,2-Dichloropropane	ND	ug/m3	2.4	2.52		04/25/18 20:35	78-87-5	
cis-1,3-Dichloropropene	ND	ug/m3	2.3	2.52		04/25/18 20:35	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/m3	2.3	2.52		04/25/18 20:35	10061-02-6	
Dichlorotetrafluoroethane	ND	ug/m3	3.6	2.52		04/25/18 20:35	76-14-2	
Ethanol	98.5	ug/m3	4.8	2.52		04/25/18 20:35	64-17-5	
Ethyl acetate	ND	ug/m3	1.8	2.52		04/25/18 20:35	141-78-6	
Ethylbenzene	88.4	ug/m3	2.2	2.52		04/25/18 20:35	100-41-4	
4-Ethyltoluene	8.0	ug/m3	2.5	2.52		04/25/18 20:35	622-96-8	
n-Heptane	13.0	ug/m3	2.1	2.52		04/25/18 20:35	142-82-5	
Hexachloro-1,3-butadiene	ND	ug/m3	5.5	2.52		04/25/18 20:35	87-68-3	
n-Hexane	12.9	ug/m3	1.8	2.52		04/25/18 20:35	110-54-3	
2-Hexanone	ND	ug/m3	10.5	2.52		04/25/18 20:35	591-78-6	
Methylene Chloride	ND	ug/m3	8.9	2.52		04/25/18 20:35	75-09-2	
4-Methyl-2-pentanone (MIBK)	21.1	ug/m3	10.5	2.52		04/25/18 20:35	108-10-1	
Methyl-tert-butyl ether	ND	ug/m3	9.2	2.52		04/25/18 20:35	1634-04-4	
Naphthalene	ND	ug/m3	6.7	2.52		04/25/18 20:35	91-20-3	
2-Propanol	8.6	ug/m3	6.3	2.52		04/25/18 20:35	67-63-0	
Propylene	ND	ug/m3	0.88	2.52		04/25/18 20:35	115-07-1	
Styrene	ND	ug/m3	2.2	2.52		04/25/18 20:35	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/m3	1.8	2.52		04/25/18 20:35	79-34-5	
Tetrachloroethene	1090	ug/m3	17.4	25.2		04/26/18 14:42	127-18-4	

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ANALYTICAL RESULTS

Project: FORMER COYANE TESTILE FACILITY

Pace Project No.: 7049109

Sample: SVP IA101		Lab ID: 7049109005		Collected: 04/18/18 19:08		Received: 04/20/18 10:30		Matrix: Air	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
TO15 MSV AIR		Analytical Method: TO-15							
Tetrahydrofuran	ND	ug/m3	1.5	2.52		04/25/18 20:35	109-99-9		
Toluene	32.1	ug/m3	1.9	2.52		04/25/18 20:35	108-88-3		
1,2,4-Trichlorobenzene	ND	ug/m3	9.5	2.52		04/25/18 20:35	120-82-1		
1,1,1-Trichloroethane	ND	ug/m3	2.8	2.52		04/25/18 20:35	71-55-6		
1,1,2-Trichloroethane	ND	ug/m3	1.4	2.52		04/25/18 20:35	79-00-5		
Trichloroethene	106	ug/m3	1.4	2.52		04/25/18 20:35	79-01-6		
Trichlorofluoromethane	ND	ug/m3	2.9	2.52		04/25/18 20:35	75-69-4		
1,1,2-Trichlorotrifluoroethane	ND	ug/m3	3.9	2.52		04/25/18 20:35	76-13-1		
1,2,4-Trimethylbenzene	12.5	ug/m3	2.5	2.52		04/25/18 20:35	95-63-6		
1,3,5-Trimethylbenzene	9.0	ug/m3	2.5	2.52		04/25/18 20:35	108-67-8		
Vinyl acetate	ND	ug/m3	1.8	2.52		04/25/18 20:35	108-05-4		
Vinyl chloride	ND	ug/m3	1.3	2.52		04/25/18 20:35	75-01-4		
m&p-Xylene	252	ug/m3	4.5	2.52		04/25/18 20:35	179601-23-1		
o-Xylene	168	ug/m3	2.2	2.52		04/25/18 20:35	95-47-6		

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ANALYTICAL RESULTS

Project: FORMER COYANE TESTILE FACILITY

Pace Project No.: 7049109

Sample: SVP IA102	Lab ID: 7049109006	Collected: 04/18/18 17:05	Received: 04/20/18 10:30	Matrix: Air				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR		Analytical Method: TO-15						
Acetone	60.5	ug/m3	4.4	1.83		04/25/18 21:08	67-64-1	
Benzene	ND	ug/m3	0.59	1.83		04/25/18 21:08	71-43-2	
Benzyl chloride	ND	ug/m3	1.9	1.83		04/25/18 21:08	100-44-7	
Bromodichloromethane	ND	ug/m3	2.5	1.83		04/25/18 21:08	75-27-4	
Bromoform	ND	ug/m3	3.8	1.83		04/25/18 21:08	75-25-2	
Bromomethane	ND	ug/m3	1.4	1.83		04/25/18 21:08	74-83-9	
1,3-Butadiene	ND	ug/m3	2.1	1.83		04/25/18 21:08	106-99-0	
2-Butanone (MEK)	11.2	ug/m3	5.5	1.83		04/25/18 21:08	78-93-3	
Carbon disulfide	ND	ug/m3	1.2	1.83		04/25/18 21:08	75-15-0	
Carbon tetrachloride	ND	ug/m3	1.2	1.83		04/25/18 21:08	56-23-5	
Chlorobenzene	ND	ug/m3	1.7	1.83		04/25/18 21:08	108-90-7	
Chloroethane	ND	ug/m3	2.5	1.83		04/25/18 21:08	75-00-3	
Chloroform	ND	ug/m3	0.91	1.83		04/25/18 21:08	67-66-3	
Chloromethane	ND	ug/m3	0.77	1.83		04/25/18 21:08	74-87-3	
Cyclohexane	ND	ug/m3	1.3	1.83		04/25/18 21:08	110-82-7	
Dibromochloromethane	ND	ug/m3	3.2	1.83		04/25/18 21:08	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/m3	2.9	1.83		04/25/18 21:08	106-93-4	
1,2-Dichlorobenzene	ND	ug/m3	2.2	1.83		04/25/18 21:08	95-50-1	
1,3-Dichlorobenzene	ND	ug/m3	2.2	1.83		04/25/18 21:08	541-73-1	
1,4-Dichlorobenzene	ND	ug/m3	2.2	1.83		04/25/18 21:08	106-46-7	
Dichlorodifluoromethane	ND	ug/m3	1.8	1.83		04/25/18 21:08	75-71-8	
1,1-Dichloroethane	ND	ug/m3	1.5	1.83		04/25/18 21:08	75-34-3	
1,2-Dichloroethane	ND	ug/m3	0.75	1.83		04/25/18 21:08	107-06-2	
1,1-Dichloroethene	ND	ug/m3	1.5	1.83		04/25/18 21:08	75-35-4	
cis-1,2-Dichloroethene	ND	ug/m3	1.5	1.83		04/25/18 21:08	156-59-2	
trans-1,2-Dichloroethene	ND	ug/m3	1.5	1.83		04/25/18 21:08	156-60-5	
1,2-Dichloropropane	ND	ug/m3	1.7	1.83		04/25/18 21:08	78-87-5	
cis-1,3-Dichloropropene	ND	ug/m3	1.7	1.83		04/25/18 21:08	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/m3	1.7	1.83		04/25/18 21:08	10061-02-6	
Dichlorotetrafluoroethane	ND	ug/m3	2.6	1.83		04/25/18 21:08	76-14-2	
Ethanol	36.9	ug/m3	3.5	1.83		04/25/18 21:08	64-17-5	
Ethyl acetate	ND	ug/m3	1.3	1.83		04/25/18 21:08	141-78-6	
Ethylbenzene	5.3	ug/m3	1.6	1.83		04/25/18 21:08	100-41-4	
4-Ethyltoluene	4.1	ug/m3	1.8	1.83		04/25/18 21:08	622-96-8	
n-Heptane	ND	ug/m3	1.5	1.83		04/25/18 21:08	142-82-5	
Hexachloro-1,3-butadiene	ND	ug/m3	4.0	1.83		04/25/18 21:08	87-68-3	
n-Hexane	ND	ug/m3	1.3	1.83		04/25/18 21:08	110-54-3	
2-Hexanone	ND	ug/m3	7.6	1.83		04/25/18 21:08	591-78-6	
Methylene Chloride	ND	ug/m3	6.5	1.83		04/25/18 21:08	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/m3	7.6	1.83		04/25/18 21:08	108-10-1	
Methyl-tert-butyl ether	ND	ug/m3	6.7	1.83		04/25/18 21:08	1634-04-4	
Naphthalene	ND	ug/m3	4.9	1.83		04/25/18 21:08	91-20-3	
2-Propanol	ND	ug/m3	4.6	1.83		04/25/18 21:08	67-63-0	
Propylene	ND	ug/m3	0.64	1.83		04/25/18 21:08	115-07-1	
Styrene	ND	ug/m3	1.6	1.83		04/25/18 21:08	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/m3	1.3	1.83		04/25/18 21:08	79-34-5	
Tetrachloroethene	139	ug/m3	1.3	1.83		04/25/18 21:08	127-18-4	

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ANALYTICAL RESULTS

Project: FORMER COYANE TESTILE FACILITY

Pace Project No.: 7049109

Sample: SVP IA102	Lab ID: 7049109006	Collected: 04/18/18 17:05	Received: 04/20/18 10:30	Matrix: Air				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR	Analytical Method: TO-15							
Tetrahydrofuran	ND	ug/m3	1.1	1.83		04/25/18 21:08	109-99-9	
Toluene	10.8	ug/m3	1.4	1.83		04/25/18 21:08	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/m3	6.9	1.83		04/25/18 21:08	120-82-1	
1,1,1-Trichloroethane	ND	ug/m3	2.0	1.83		04/25/18 21:08	71-55-6	
1,1,2-Trichloroethane	ND	ug/m3	1.0	1.83		04/25/18 21:08	79-00-5	
Trichloroethene	1.2	ug/m3	1.0	1.83		04/25/18 21:08	79-01-6	
Trichlorofluoromethane	ND	ug/m3	2.1	1.83		04/25/18 21:08	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/m3	2.9	1.83		04/25/18 21:08	76-13-1	
1,2,4-Trimethylbenzene	9.9	ug/m3	1.8	1.83		04/25/18 21:08	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/m3	1.8	1.83		04/25/18 21:08	108-67-8	
Vinyl acetate	ND	ug/m3	1.3	1.83		04/25/18 21:08	108-05-4	
Vinyl chloride	ND	ug/m3	0.95	1.83		04/25/18 21:08	75-01-4	
m&p-Xylene	22.0	ug/m3	3.2	1.83		04/25/18 21:08	179601-23-1	
o-Xylene	13.8	ug/m3	1.6	1.83		04/25/18 21:08	95-47-6	

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ANALYTICAL RESULTS

Project: FORMER COYANE TESTILE FACILITY

Pace Project No.: 7049109

Sample: SVP IA103	Lab ID: 7049109007	Collected: 04/18/18 17:24	Received: 04/20/18 10:30	Matrix: Air				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR		Analytical Method: TO-15						
Acetone	215	ug/m3	4.0	1.64		04/25/18 21:42	67-64-1	
Benzene	3.7	ug/m3	0.53	1.64		04/25/18 21:42	71-43-2	
Benzyl chloride	ND	ug/m3	1.7	1.64		04/25/18 21:42	100-44-7	
Bromodichloromethane	ND	ug/m3	2.2	1.64		04/25/18 21:42	75-27-4	
Bromoform	ND	ug/m3	3.4	1.64		04/25/18 21:42	75-25-2	
Bromomethane	ND	ug/m3	1.3	1.64		04/25/18 21:42	74-83-9	
1,3-Butadiene	ND	ug/m3	1.8	1.64		04/25/18 21:42	106-99-0	
2-Butanone (MEK)	8.1	ug/m3	4.9	1.64		04/25/18 21:42	78-93-3	
Carbon disulfide	ND	ug/m3	1.0	1.64		04/25/18 21:42	75-15-0	
Carbon tetrachloride	ND	ug/m3	1.0	1.64		04/25/18 21:42	56-23-5	
Chlorobenzene	ND	ug/m3	1.5	1.64		04/25/18 21:42	108-90-7	
Chloroethane	ND	ug/m3	2.2	1.64		04/25/18 21:42	75-00-3	
Chloroform	17.1	ug/m3	0.81	1.64		04/25/18 21:42	67-66-3	
Chloromethane	ND	ug/m3	0.69	1.64		04/25/18 21:42	74-87-3	
Cyclohexane	ND	ug/m3	1.1	1.64		04/25/18 21:42	110-82-7	
Dibromochloromethane	ND	ug/m3	2.8	1.64		04/25/18 21:42	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/m3	2.6	1.64		04/25/18 21:42	106-93-4	
1,2-Dichlorobenzene	ND	ug/m3	2.0	1.64		04/25/18 21:42	95-50-1	
1,3-Dichlorobenzene	ND	ug/m3	2.0	1.64		04/25/18 21:42	541-73-1	
1,4-Dichlorobenzene	ND	ug/m3	2.0	1.64		04/25/18 21:42	106-46-7	
Dichlorodifluoromethane	2.4	ug/m3	1.7	1.64		04/25/18 21:42	75-71-8	
1,1-Dichloroethane	ND	ug/m3	1.3	1.64		04/25/18 21:42	75-34-3	
1,2-Dichloroethane	ND	ug/m3	0.67	1.64		04/25/18 21:42	107-06-2	
1,1-Dichloroethene	ND	ug/m3	1.3	1.64		04/25/18 21:42	75-35-4	
cis-1,2-Dichloroethene	38.4	ug/m3	1.3	1.64		04/25/18 21:42	156-59-2	
trans-1,2-Dichloroethene	1.6	ug/m3	1.3	1.64		04/25/18 21:42	156-60-5	
1,2-Dichloropropane	ND	ug/m3	1.5	1.64		04/25/18 21:42	78-87-5	
cis-1,3-Dichloropropene	ND	ug/m3	1.5	1.64		04/25/18 21:42	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/m3	1.5	1.64		04/25/18 21:42	10061-02-6	
Dichlorotetrafluoroethane	ND	ug/m3	2.3	1.64		04/25/18 21:42	76-14-2	
Ethanol	82.7	ug/m3	3.1	1.64		04/25/18 21:42	64-17-5	
Ethyl acetate	ND	ug/m3	1.2	1.64		04/25/18 21:42	141-78-6	
Ethylbenzene	12.4	ug/m3	1.4	1.64		04/25/18 21:42	100-41-4	
4-Ethyltoluene	5.4	ug/m3	1.6	1.64		04/25/18 21:42	622-96-8	
n-Heptane	8.4	ug/m3	1.4	1.64		04/25/18 21:42	142-82-5	
Hexachloro-1,3-butadiene	ND	ug/m3	3.6	1.64		04/25/18 21:42	87-68-3	
n-Hexane	8.7	ug/m3	1.2	1.64		04/25/18 21:42	110-54-3	
2-Hexanone	ND	ug/m3	6.8	1.64		04/25/18 21:42	591-78-6	
Methylene Chloride	ND	ug/m3	5.8	1.64		04/25/18 21:42	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/m3	6.8	1.64		04/25/18 21:42	108-10-1	
Methyl-tert-butyl ether	ND	ug/m3	6.0	1.64		04/25/18 21:42	1634-04-4	
Naphthalene	ND	ug/m3	4.4	1.64		04/25/18 21:42	91-20-3	
2-Propanol	28.8	ug/m3	4.1	1.64		04/25/18 21:42	67-63-0	
Propylene	ND	ug/m3	0.57	1.64		04/25/18 21:42	115-07-1	
Styrene	ND	ug/m3	1.4	1.64		04/25/18 21:42	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/m3	1.1	1.64		04/25/18 21:42	79-34-5	
Tetrachloroethene	855	ug/m3	22.6	32.8		04/26/18 16:18	127-18-4	

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ANALYTICAL RESULTS

Project: FORMER COYANE TESTILE FACILITY

Pace Project No.: 7049109

Sample: SVP IA103		Lab ID: 7049109007		Collected: 04/18/18 17:24		Received: 04/20/18 10:30		Matrix: Air	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
TO15 MSV AIR		Analytical Method: TO-15							
Tetrahydrofuran	ND	ug/m3	0.98	1.64		04/25/18 21:42	109-99-9		
Toluene	31.3	ug/m3	1.3	1.64		04/25/18 21:42	108-88-3		
1,2,4-Trichlorobenzene	ND	ug/m3	6.2	1.64		04/25/18 21:42	120-82-1		
1,1,1-Trichloroethane	ND	ug/m3	1.8	1.64		04/25/18 21:42	71-55-6		
1,1,2-Trichloroethane	ND	ug/m3	0.91	1.64		04/25/18 21:42	79-00-5		
Trichloroethene	41.3	ug/m3	0.90	1.64		04/25/18 21:42	79-01-6		
Trichlorofluoromethane	ND	ug/m3	1.9	1.64		04/25/18 21:42	75-69-4		
1,1,2-Trichlorotrifluoroethane	ND	ug/m3	2.6	1.64		04/25/18 21:42	76-13-1		
1,2,4-Trimethylbenzene	10.1	ug/m3	1.6	1.64		04/25/18 21:42	95-63-6		
1,3,5-Trimethylbenzene	5.2	ug/m3	1.6	1.64		04/25/18 21:42	108-67-8		
Vinyl acetate	ND	ug/m3	1.2	1.64		04/25/18 21:42	108-05-4		
Vinyl chloride	ND	ug/m3	0.85	1.64		04/25/18 21:42	75-01-4		
m&p-Xylene	41.6	ug/m3	2.9	1.64		04/25/18 21:42	179601-23-1		
o-Xylene	22.6	ug/m3	1.4	1.64		04/25/18 21:42	95-47-6		

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ANALYTICAL RESULTS

Project: FORMER COYANE TESTILE FACILITY

Pace Project No.: 7049109

Sample: SVP IA104	Lab ID: 7049109008	Collected: 04/18/18 17:42	Received: 04/20/18 10:30	Matrix: Air				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR		Analytical Method: TO-15						
Acetone	514	ug/m3	3.9	1.61		04/25/18 22:15	67-64-1	
Benzene	3.6	ug/m3	0.52	1.61		04/25/18 22:15	71-43-2	
Benzyl chloride	ND	ug/m3	1.7	1.61		04/25/18 22:15	100-44-7	
Bromodichloromethane	4.0	ug/m3	2.2	1.61		04/25/18 22:15	75-27-4	
Bromoform	ND	ug/m3	3.4	1.61		04/25/18 22:15	75-25-2	
Bromomethane	ND	ug/m3	1.3	1.61		04/25/18 22:15	74-83-9	
1,3-Butadiene	ND	ug/m3	1.8	1.61		04/25/18 22:15	106-99-0	
2-Butanone (MEK)	297	ug/m3	60.9	20.3		04/26/18 15:14	78-93-3	
Carbon disulfide	ND	ug/m3	1.0	1.61		04/25/18 22:15	75-15-0	
Carbon tetrachloride	ND	ug/m3	1.0	1.61		04/25/18 22:15	56-23-5	
Chlorobenzene	ND	ug/m3	1.5	1.61		04/25/18 22:15	108-90-7	
Chloroethane	ND	ug/m3	2.2	1.61		04/25/18 22:15	75-00-3	
Chloroform	32.1	ug/m3	0.80	1.61		04/25/18 22:15	67-66-3	
Chloromethane	ND	ug/m3	0.68	1.61		04/25/18 22:15	74-87-3	
Cyclohexane	ND	ug/m3	1.1	1.61		04/25/18 22:15	110-82-7	
Dibromochloromethane	ND	ug/m3	2.8	1.61		04/25/18 22:15	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/m3	2.5	1.61		04/25/18 22:15	106-93-4	
1,2-Dichlorobenzene	ND	ug/m3	2.0	1.61		04/25/18 22:15	95-50-1	
1,3-Dichlorobenzene	ND	ug/m3	2.0	1.61		04/25/18 22:15	541-73-1	
1,4-Dichlorobenzene	ND	ug/m3	2.0	1.61		04/25/18 22:15	106-46-7	
Dichlorodifluoromethane	ND	ug/m3	1.6	1.61		04/25/18 22:15	75-71-8	
1,1-Dichloroethane	ND	ug/m3	1.3	1.61		04/25/18 22:15	75-34-3	
1,2-Dichloroethane	ND	ug/m3	0.66	1.61		04/25/18 22:15	107-06-2	
1,1-Dichloroethene	ND	ug/m3	1.3	1.61		04/25/18 22:15	75-35-4	
cis-1,2-Dichloroethene	6.1	ug/m3	1.3	1.61		04/25/18 22:15	156-59-2	
trans-1,2-Dichloroethene	ND	ug/m3	1.3	1.61		04/25/18 22:15	156-60-5	
1,2-Dichloropropane	ND	ug/m3	1.5	1.61		04/25/18 22:15	78-87-5	
cis-1,3-Dichloropropene	ND	ug/m3	1.5	1.61		04/25/18 22:15	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/m3	1.5	1.61		04/25/18 22:15	10061-02-6	
Dichlorotetrafluoroethane	ND	ug/m3	2.3	1.61		04/25/18 22:15	76-14-2	
Ethanol	30.0	ug/m3	3.1	1.61		04/25/18 22:15	64-17-5	
Ethyl acetate	ND	ug/m3	1.2	1.61		04/25/18 22:15	141-78-6	
Ethylbenzene	10.8	ug/m3	1.4	1.61		04/25/18 22:15	100-41-4	
4-Ethyltoluene	3.5	ug/m3	1.6	1.61		04/25/18 22:15	622-96-8	
n-Heptane	ND	ug/m3	1.3	1.61		04/25/18 22:15	142-82-5	
Hexachloro-1,3-butadiene	ND	ug/m3	3.5	1.61		04/25/18 22:15	87-68-3	
n-Hexane	ND	ug/m3	1.2	1.61		04/25/18 22:15	110-54-3	
2-Hexanone	ND	ug/m3	6.7	1.61		04/25/18 22:15	591-78-6	
Methylene Chloride	ND	ug/m3	5.7	1.61		04/25/18 22:15	75-09-2	
4-Methyl-2-pentanone (MIBK)	97.0	ug/m3	6.7	1.61		04/25/18 22:15	108-10-1	
Methyl-tert-butyl ether	ND	ug/m3	5.9	1.61		04/25/18 22:15	1634-04-4	
Naphthalene	ND	ug/m3	4.3	1.61		04/25/18 22:15	91-20-3	
2-Propanol	ND	ug/m3	4.0	1.61		04/25/18 22:15	67-63-0	
Propylene	ND	ug/m3	0.56	1.61		04/25/18 22:15	115-07-1	
Styrene	ND	ug/m3	1.4	1.61		04/25/18 22:15	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/m3	1.1	1.61		04/25/18 22:15	79-34-5	
Tetrachloroethene	626	ug/m3	14.0	20.3		04/26/18 15:14	127-18-4	

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ANALYTICAL RESULTS

Project: FORMER COYANE TESTILE FACILITY

Pace Project No.: 7049109

Sample: SVP IA104	Lab ID: 7049109008	Collected: 04/18/18 17:42	Received: 04/20/18 10:30	Matrix: Air				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR	Analytical Method: TO-15							
Tetrahydrofuran	ND	ug/m3	0.97	1.61		04/25/18 22:15	109-99-9	
Toluene	33.6	ug/m3	1.2	1.61		04/25/18 22:15	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/m3	6.1	1.61		04/25/18 22:15	120-82-1	
1,1,1-Trichloroethane	2.7	ug/m3	1.8	1.61		04/25/18 22:15	71-55-6	
1,1,2-Trichloroethane	ND	ug/m3	0.89	1.61		04/25/18 22:15	79-00-5	
Trichloroethene	22.2	ug/m3	0.88	1.61		04/25/18 22:15	79-01-6	
Trichlorofluoromethane	ND	ug/m3	1.8	1.61		04/25/18 22:15	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/m3	2.5	1.61		04/25/18 22:15	76-13-1	
1,2,4-Trimethylbenzene	9.7	ug/m3	1.6	1.61		04/25/18 22:15	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/m3	1.6	1.61		04/25/18 22:15	108-67-8	
Vinyl acetate	ND	ug/m3	1.2	1.61		04/25/18 22:15	108-05-4	
Vinyl chloride	ND	ug/m3	0.84	1.61		04/25/18 22:15	75-01-4	
m&p-Xylene	37.4	ug/m3	2.8	1.61		04/25/18 22:15	179601-23-1	
o-Xylene	22.0	ug/m3	1.4	1.61		04/25/18 22:15	95-47-6	

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ANALYTICAL RESULTS

Project: FORMER COYANE TESTILE FACILITY

Pace Project No.: 7049109

Sample: SVP IA105	Lab ID: 7049109009	Collected: 04/18/18 18:02	Received: 04/20/18 10:30	Matrix: Air				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR		Analytical Method: TO-15						
Acetone	545	ug/m3	3.7	1.55		04/25/18 23:22	67-64-1	
Benzene	3.4	ug/m3	0.50	1.55		04/25/18 23:22	71-43-2	
Benzyl chloride	ND	ug/m3	1.6	1.55		04/25/18 23:22	100-44-7	
Bromodichloromethane	ND	ug/m3	2.1	1.55		04/25/18 23:22	75-27-4	
Bromoform	ND	ug/m3	3.3	1.55		04/25/18 23:22	75-25-2	
Bromomethane	ND	ug/m3	1.2	1.55		04/25/18 23:22	74-83-9	
1,3-Butadiene	ND	ug/m3	1.7	1.55		04/25/18 23:22	106-99-0	
2-Butanone (MEK)	209	ug/m3	62.4	20.8		04/26/18 15:47	78-93-3	
Carbon disulfide	ND	ug/m3	0.98	1.55		04/25/18 23:22	75-15-0	
Carbon tetrachloride	ND	ug/m3	0.99	1.55		04/25/18 23:22	56-23-5	
Chlorobenzene	ND	ug/m3	1.5	1.55		04/25/18 23:22	108-90-7	
Chloroethane	ND	ug/m3	2.1	1.55		04/25/18 23:22	75-00-3	
Chloroform	ND	ug/m3	0.77	1.55		04/25/18 23:22	67-66-3	
Chloromethane	ND	ug/m3	0.65	1.55		04/25/18 23:22	74-87-3	
Cyclohexane	ND	ug/m3	1.1	1.55		04/25/18 23:22	110-82-7	
Dibromochloromethane	ND	ug/m3	2.7	1.55		04/25/18 23:22	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/m3	2.4	1.55		04/25/18 23:22	106-93-4	
1,2-Dichlorobenzene	ND	ug/m3	1.9	1.55		04/25/18 23:22	95-50-1	
1,3-Dichlorobenzene	ND	ug/m3	1.9	1.55		04/25/18 23:22	541-73-1	
1,4-Dichlorobenzene	ND	ug/m3	1.9	1.55		04/25/18 23:22	106-46-7	
Dichlorodifluoromethane	ND	ug/m3	1.6	1.55		04/25/18 23:22	75-71-8	
1,1-Dichloroethane	ND	ug/m3	1.3	1.55		04/25/18 23:22	75-34-3	
1,2-Dichloroethane	ND	ug/m3	0.64	1.55		04/25/18 23:22	107-06-2	
1,1-Dichloroethene	ND	ug/m3	1.2	1.55		04/25/18 23:22	75-35-4	
cis-1,2-Dichloroethene	ND	ug/m3	1.2	1.55		04/25/18 23:22	156-59-2	
trans-1,2-Dichloroethene	ND	ug/m3	1.2	1.55		04/25/18 23:22	156-60-5	
1,2-Dichloropropane	ND	ug/m3	1.5	1.55		04/25/18 23:22	78-87-5	
cis-1,3-Dichloropropene	ND	ug/m3	1.4	1.55		04/25/18 23:22	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/m3	1.4	1.55		04/25/18 23:22	10061-02-6	
Dichlorotetrafluoroethane	ND	ug/m3	2.2	1.55		04/25/18 23:22	76-14-2	
Ethanol	63.7	ug/m3	3.0	1.55		04/25/18 23:22	64-17-5	
Ethyl acetate	ND	ug/m3	1.1	1.55		04/25/18 23:22	141-78-6	
Ethylbenzene	14.8	ug/m3	1.4	1.55		04/25/18 23:22	100-41-4	
4-Ethyltoluene	5.2	ug/m3	1.5	1.55		04/25/18 23:22	622-96-8	
n-Heptane	ND	ug/m3	1.3	1.55		04/25/18 23:22	142-82-5	
Hexachloro-1,3-butadiene	ND	ug/m3	3.4	1.55		04/25/18 23:22	87-68-3	
n-Hexane	ND	ug/m3	1.1	1.55		04/25/18 23:22	110-54-3	
2-Hexanone	ND	ug/m3	6.4	1.55		04/25/18 23:22	591-78-6	
Methylene Chloride	ND	ug/m3	5.5	1.55		04/25/18 23:22	75-09-2	
4-Methyl-2-pentanone (MIBK)	116	ug/m3	6.4	1.55		04/25/18 23:22	108-10-1	
Methyl-tert-butyl ether	ND	ug/m3	5.7	1.55		04/25/18 23:22	1634-04-4	
Naphthalene	ND	ug/m3	4.1	1.55		04/25/18 23:22	91-20-3	
2-Propanol	ND	ug/m3	3.9	1.55		04/25/18 23:22	67-63-0	
Propylene	ND	ug/m3	0.54	1.55		04/25/18 23:22	115-07-1	
Styrene	ND	ug/m3	1.3	1.55		04/25/18 23:22	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/m3	1.1	1.55		04/25/18 23:22	79-34-5	
Tetrachloroethene	229	ug/m3	1.1	1.55		04/25/18 23:22	127-18-4	

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ANALYTICAL RESULTS

Project: FORMER COYANE TESTILE FACILITY

Pace Project No.: 7049109

Sample: SVP IA105		Lab ID: 7049109009		Collected: 04/18/18 18:02		Received: 04/20/18 10:30		Matrix: Air	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
TO15 MSV AIR		Analytical Method: TO-15							
Tetrahydrofuran	ND	ug/m3	0.93	1.55		04/25/18 23:22	109-99-9		
Toluene	28.9	ug/m3	1.2	1.55		04/25/18 23:22	108-88-3		
1,2,4-Trichlorobenzene	ND	ug/m3	5.8	1.55		04/25/18 23:22	120-82-1		
1,1,1-Trichloroethane	5.3	ug/m3	1.7	1.55		04/25/18 23:22	71-55-6		
1,1,2-Trichloroethane	ND	ug/m3	0.86	1.55		04/25/18 23:22	79-00-5		
Trichloroethene	ND	ug/m3	0.85	1.55		04/25/18 23:22	79-01-6		
Trichlorofluoromethane	ND	ug/m3	1.8	1.55		04/25/18 23:22	75-69-4		
1,1,2-Trichlorotrifluoroethane	ND	ug/m3	2.4	1.55		04/25/18 23:22	76-13-1		
1,2,4-Trimethylbenzene	16.0	ug/m3	1.5	1.55		04/25/18 23:22	95-63-6		
1,3,5-Trimethylbenzene	8.0	ug/m3	1.5	1.55		04/25/18 23:22	108-67-8		
Vinyl acetate	ND	ug/m3	1.1	1.55		04/25/18 23:22	108-05-4		
Vinyl chloride	ND	ug/m3	0.81	1.55		04/25/18 23:22	75-01-4		
m&p-Xylene	58.0	ug/m3	2.7	1.55		04/25/18 23:22	179601-23-1		
o-Xylene	40.1	ug/m3	1.4	1.55		04/25/18 23:22	95-47-6		

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ANALYTICAL RESULTS

Project: FORMER COYANE TESTILE FACILITY

Pace Project No.: 7049109

Sample: SVP IAQ100	Lab ID: 7049109010	Collected: 04/18/18 17:51	Received: 04/20/18 10:30	Matrix: Air				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR		Analytical Method: TO-15						
Acetone	ND	ug/m3	4.0	1.68		04/25/18 23:55	67-64-1	
Benzene	1.4	ug/m3	0.55	1.68		04/25/18 23:55	71-43-2	
Benzyl chloride	ND	ug/m3	1.8	1.68		04/25/18 23:55	100-44-7	
Bromodichloromethane	ND	ug/m3	2.3	1.68		04/25/18 23:55	75-27-4	
Bromoform	ND	ug/m3	3.5	1.68		04/25/18 23:55	75-25-2	
Bromomethane	ND	ug/m3	1.3	1.68		04/25/18 23:55	74-83-9	
1,3-Butadiene	ND	ug/m3	1.9	1.68		04/25/18 23:55	106-99-0	
2-Butanone (MEK)	ND	ug/m3	5.0	1.68		04/25/18 23:55	78-93-3	
Carbon disulfide	ND	ug/m3	1.1	1.68		04/25/18 23:55	75-15-0	
Carbon tetrachloride	ND	ug/m3	1.1	1.68		04/25/18 23:55	56-23-5	
Chlorobenzene	ND	ug/m3	1.6	1.68		04/25/18 23:55	108-90-7	
Chloroethane	ND	ug/m3	2.3	1.68		04/25/18 23:55	75-00-3	
Chloroform	ND	ug/m3	0.83	1.68		04/25/18 23:55	67-66-3	
Chloromethane	ND	ug/m3	0.71	1.68		04/25/18 23:55	74-87-3	
Cyclohexane	1.5	ug/m3	1.2	1.68		04/25/18 23:55	110-82-7	
Dibromochloromethane	ND	ug/m3	2.9	1.68		04/25/18 23:55	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/m3	2.6	1.68		04/25/18 23:55	106-93-4	
1,2-Dichlorobenzene	ND	ug/m3	2.0	1.68		04/25/18 23:55	95-50-1	
1,3-Dichlorobenzene	ND	ug/m3	2.0	1.68		04/25/18 23:55	541-73-1	
1,4-Dichlorobenzene	ND	ug/m3	2.0	1.68		04/25/18 23:55	106-46-7	
Dichlorodifluoromethane	ND	ug/m3	1.7	1.68		04/25/18 23:55	75-71-8	
1,1-Dichloroethane	ND	ug/m3	1.4	1.68		04/25/18 23:55	75-34-3	
1,2-Dichloroethane	ND	ug/m3	0.69	1.68		04/25/18 23:55	107-06-2	
1,1-Dichloroethene	ND	ug/m3	1.4	1.68		04/25/18 23:55	75-35-4	
cis-1,2-Dichloroethene	ND	ug/m3	1.4	1.68		04/25/18 23:55	156-59-2	
trans-1,2-Dichloroethene	ND	ug/m3	1.4	1.68		04/25/18 23:55	156-60-5	
1,2-Dichloropropane	ND	ug/m3	1.6	1.68		04/25/18 23:55	78-87-5	
cis-1,3-Dichloropropene	ND	ug/m3	1.6	1.68		04/25/18 23:55	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/m3	1.6	1.68		04/25/18 23:55	10061-02-6	
Dichlorotetrafluoroethane	ND	ug/m3	2.4	1.68		04/25/18 23:55	76-14-2	
Ethanol	33.4	ug/m3	3.2	1.68		04/25/18 23:55	64-17-5	
Ethyl acetate	ND	ug/m3	1.2	1.68		04/25/18 23:55	141-78-6	
Ethylbenzene	ND	ug/m3	1.5	1.68		04/25/18 23:55	100-41-4	
4-Ethyltoluene	ND	ug/m3	1.7	1.68		04/25/18 23:55	622-96-8	
n-Heptane	ND	ug/m3	1.4	1.68		04/25/18 23:55	142-82-5	
Hexachloro-1,3-butadiene	ND	ug/m3	3.6	1.68		04/25/18 23:55	87-68-3	
n-Hexane	3.9	ug/m3	1.2	1.68		04/25/18 23:55	110-54-3	
2-Hexanone	ND	ug/m3	7.0	1.68		04/25/18 23:55	591-78-6	
Methylene Chloride	ND	ug/m3	5.9	1.68		04/25/18 23:55	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/m3	7.0	1.68		04/25/18 23:55	108-10-1	
Methyl-tert-butyl ether	ND	ug/m3	6.1	1.68		04/25/18 23:55	1634-04-4	
Naphthalene	ND	ug/m3	4.5	1.68		04/25/18 23:55	91-20-3	
2-Propanol	ND	ug/m3	4.2	1.68		04/25/18 23:55	67-63-0	
Propylene	ND	ug/m3	0.59	1.68		04/25/18 23:55	115-07-1	
Styrene	ND	ug/m3	1.5	1.68		04/25/18 23:55	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/m3	1.2	1.68		04/25/18 23:55	79-34-5	
Tetrachloroethene	34.1	ug/m3	1.2	1.68		04/25/18 23:55	127-18-4	

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ANALYTICAL RESULTS

Project: FORMER COYANE TESTILE FACILITY

Pace Project No.: 7049109

Sample: SVP IAQ100		Lab ID: 7049109010		Collected: 04/18/18 17:51		Received: 04/20/18 10:30		Matrix: Air	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
TO15 MSV AIR		Analytical Method: TO-15							
Tetrahydrofuran	ND	ug/m3	1.0	1.68		04/25/18 23:55	109-99-9		
Toluene	5.7	ug/m3	1.3	1.68		04/25/18 23:55	108-88-3		
1,2,4-Trichlorobenzene	ND	ug/m3	6.3	1.68		04/25/18 23:55	120-82-1		
1,1,1-Trichloroethane	ND	ug/m3	1.9	1.68		04/25/18 23:55	71-55-6		
1,1,2-Trichloroethane	ND	ug/m3	0.93	1.68		04/25/18 23:55	79-00-5		
Trichloroethene	ND	ug/m3	0.92	1.68		04/25/18 23:55	79-01-6		
Trichlorofluoromethane	ND	ug/m3	1.9	1.68		04/25/18 23:55	75-69-4		
1,1,2-Trichlorotrifluoroethane	ND	ug/m3	2.6	1.68		04/25/18 23:55	76-13-1		
1,2,4-Trimethylbenzene	ND	ug/m3	1.7	1.68		04/25/18 23:55	95-63-6		
1,3,5-Trimethylbenzene	ND	ug/m3	1.7	1.68		04/25/18 23:55	108-67-8		
Vinyl acetate	ND	ug/m3	1.2	1.68		04/25/18 23:55	108-05-4		
Vinyl chloride	ND	ug/m3	0.87	1.68		04/25/18 23:55	75-01-4		
m&p-Xylene	5.1	ug/m3	3.0	1.68		04/25/18 23:55	179601-23-1		
o-Xylene	ND	ug/m3	1.5	1.68		04/25/18 23:55	95-47-6		

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ANALYTICAL RESULTS

Project: FORMER COYANE TESTILE FACILITY

Pace Project No.: 7049109

Sample: SVP IAQ101		Lab ID: 7049109011		Collected: 04/18/18 18:13		Received: 04/20/18 10:30		Matrix: Air	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
TO15 MSV AIR		Analytical Method: TO-15							
Acetone	15.0	ug/m3	3.8	1.58		04/26/18 00:29	67-64-1		
Benzene	ND	ug/m3	0.51	1.58		04/26/18 00:29	71-43-2		
Benzyl chloride	ND	ug/m3	1.7	1.58		04/26/18 00:29	100-44-7		
Bromodichloromethane	ND	ug/m3	2.1	1.58		04/26/18 00:29	75-27-4		
Bromoform	ND	ug/m3	3.3	1.58		04/26/18 00:29	75-25-2		
Bromomethane	ND	ug/m3	1.2	1.58		04/26/18 00:29	74-83-9		
1,3-Butadiene	ND	ug/m3	1.8	1.58		04/26/18 00:29	106-99-0		
2-Butanone (MEK)	ND	ug/m3	4.7	1.58		04/26/18 00:29	78-93-3		
Carbon disulfide	ND	ug/m3	1.0	1.58		04/26/18 00:29	75-15-0		
Carbon tetrachloride	ND	ug/m3	1.0	1.58		04/26/18 00:29	56-23-5		
Chlorobenzene	ND	ug/m3	1.5	1.58		04/26/18 00:29	108-90-7		
Chloroethane	ND	ug/m3	2.1	1.58		04/26/18 00:29	75-00-3		
Chloroform	ND	ug/m3	0.78	1.58		04/26/18 00:29	67-66-3		
Chloromethane	ND	ug/m3	0.66	1.58		04/26/18 00:29	74-87-3		
Cyclohexane	ND	ug/m3	1.1	1.58		04/26/18 00:29	110-82-7		
Dibromochloromethane	ND	ug/m3	2.7	1.58		04/26/18 00:29	124-48-1		
1,2-Dibromoethane (EDB)	ND	ug/m3	2.5	1.58		04/26/18 00:29	106-93-4		
1,2-Dichlorobenzene	ND	ug/m3	1.9	1.58		04/26/18 00:29	95-50-1		
1,3-Dichlorobenzene	ND	ug/m3	1.9	1.58		04/26/18 00:29	541-73-1		
1,4-Dichlorobenzene	ND	ug/m3	1.9	1.58		04/26/18 00:29	106-46-7		
Dichlorodifluoromethane	ND	ug/m3	1.6	1.58		04/26/18 00:29	75-71-8		
1,1-Dichloroethane	ND	ug/m3	1.3	1.58		04/26/18 00:29	75-34-3		
1,2-Dichloroethane	ND	ug/m3	0.65	1.58		04/26/18 00:29	107-06-2		
1,1-Dichloroethene	ND	ug/m3	1.3	1.58		04/26/18 00:29	75-35-4		
cis-1,2-Dichloroethene	ND	ug/m3	1.3	1.58		04/26/18 00:29	156-59-2		
trans-1,2-Dichloroethene	ND	ug/m3	1.3	1.58		04/26/18 00:29	156-60-5		
1,2-Dichloropropane	ND	ug/m3	1.5	1.58		04/26/18 00:29	78-87-5		
cis-1,3-Dichloropropene	ND	ug/m3	1.5	1.58		04/26/18 00:29	10061-01-5		
trans-1,3-Dichloropropene	ND	ug/m3	1.5	1.58		04/26/18 00:29	10061-02-6		
Dichlorotetrafluoroethane	ND	ug/m3	2.2	1.58		04/26/18 00:29	76-14-2		
Ethanol	10.5	ug/m3	3.0	1.58		04/26/18 00:29	64-17-5		
Ethyl acetate	ND	ug/m3	1.2	1.58		04/26/18 00:29	141-78-6		
Ethylbenzene	ND	ug/m3	1.4	1.58		04/26/18 00:29	100-41-4		
4-Ethyltoluene	ND	ug/m3	1.6	1.58		04/26/18 00:29	622-96-8		
n-Heptane	ND	ug/m3	1.3	1.58		04/26/18 00:29	142-82-5		
Hexachloro-1,3-butadiene	ND	ug/m3	3.4	1.58		04/26/18 00:29	87-68-3		
n-Hexane	ND	ug/m3	1.1	1.58		04/26/18 00:29	110-54-3		
2-Hexanone	ND	ug/m3	6.6	1.58		04/26/18 00:29	591-78-6		
Methylene Chloride	ND	ug/m3	5.6	1.58		04/26/18 00:29	75-09-2		
4-Methyl-2-pentanone (MIBK)	ND	ug/m3	6.6	1.58		04/26/18 00:29	108-10-1		
Methyl-tert-butyl ether	ND	ug/m3	5.8	1.58		04/26/18 00:29	1634-04-4		
Naphthalene	ND	ug/m3	4.2	1.58		04/26/18 00:29	91-20-3		
2-Propanol	ND	ug/m3	4.0	1.58		04/26/18 00:29	67-63-0		
Propylene	ND	ug/m3	0.55	1.58		04/26/18 00:29	115-07-1		
Styrene	ND	ug/m3	1.4	1.58		04/26/18 00:29	100-42-5		
1,1,2,2-Tetrachloroethane	ND	ug/m3	1.1	1.58		04/26/18 00:29	79-34-5		
Tetrachloroethene	50.9	ug/m3	1.1	1.58		04/26/18 00:29	127-18-4		

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ANALYTICAL RESULTS

Project: FORMER COYANE TESTILE FACILITY

Pace Project No.: 7049109

Sample: SVP IAQ101		Lab ID: 7049109011		Collected: 04/18/18 18:13		Received: 04/20/18 10:30		Matrix: Air	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
TO15 MSV AIR		Analytical Method: TO-15							
Tetrahydrofuran	ND	ug/m3	0.95	1.58		04/26/18 00:29	109-99-9		
Toluene	2.9	ug/m3	1.2	1.58		04/26/18 00:29	108-88-3		
1,2,4-Trichlorobenzene	ND	ug/m3	6.0	1.58		04/26/18 00:29	120-82-1		
1,1,1-Trichloroethane	ND	ug/m3	1.8	1.58		04/26/18 00:29	71-55-6		
1,1,2-Trichloroethane	ND	ug/m3	0.88	1.58		04/26/18 00:29	79-00-5		
Trichloroethene	1.1	ug/m3	0.86	1.58		04/26/18 00:29	79-01-6		
Trichlorofluoromethane	ND	ug/m3	1.8	1.58		04/26/18 00:29	75-69-4		
1,1,2-Trichlorotrifluoroethane	ND	ug/m3	2.5	1.58		04/26/18 00:29	76-13-1		
1,2,4-Trimethylbenzene	1.7	ug/m3	1.6	1.58		04/26/18 00:29	95-63-6		
1,3,5-Trimethylbenzene	ND	ug/m3	1.6	1.58		04/26/18 00:29	108-67-8		
Vinyl acetate	ND	ug/m3	1.1	1.58		04/26/18 00:29	108-05-4		
Vinyl chloride	ND	ug/m3	0.82	1.58		04/26/18 00:29	75-01-4		
m&p-Xylene	3.3	ug/m3	2.8	1.58		04/26/18 00:29	179601-23-1		
o-Xylene	ND	ug/m3	1.4	1.58		04/26/18 00:29	95-47-6		

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QUALITY CONTROL DATA

Project: FORMER COYANE TESTILE FACILITY

Pace Project No.: 7049109

QC Batch: 534342

Analysis Method: TO-15

QC Batch Method: TO-15

Analysis Description: TO15 MSV AIR Low Level

Associated Lab Samples: 7049109002, 7049109003, 7049109004, 7049109005, 7049109006, 7049109007, 7049109008, 7049109009, 7049109010, 7049109011

METHOD BLANK: 2903021

Matrix: Air

Associated Lab Samples: 7049109002, 7049109003, 7049109004, 7049109005, 7049109006, 7049109007, 7049109008, 7049109009, 7049109010, 7049109011

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/m3	ND	1.1	04/25/18 17:14	
1,1,2,2-Tetrachloroethane	ug/m3	ND	0.70	04/25/18 17:14	
1,1,2-Trichloroethane	ug/m3	ND	0.56	04/25/18 17:14	
1,1,2-Trichlorotrifluoroethane	ug/m3	ND	1.6	04/25/18 17:14	
1,1-Dichloroethane	ug/m3	ND	0.82	04/25/18 17:14	
1,1-Dichloroethene	ug/m3	ND	0.81	04/25/18 17:14	
1,2,4-Trichlorobenzene	ug/m3	ND	3.8	04/25/18 17:14	
1,2,4-Trimethylbenzene	ug/m3	ND	1.0	04/25/18 17:14	
1,2-Dibromoethane (EDB)	ug/m3	ND	1.6	04/25/18 17:14	
1,2-Dichlorobenzene	ug/m3	ND	1.2	04/25/18 17:14	
1,2-Dichloroethane	ug/m3	ND	0.41	04/25/18 17:14	
1,2-Dichloropropane	ug/m3	ND	0.94	04/25/18 17:14	
1,3,5-Trimethylbenzene	ug/m3	ND	1.0	04/25/18 17:14	
1,3-Butadiene	ug/m3	ND	1.1	04/25/18 17:14	
1,3-Dichlorobenzene	ug/m3	ND	1.2	04/25/18 17:14	
1,4-Dichlorobenzene	ug/m3	ND	1.2	04/25/18 17:14	
2-Butanone (MEK)	ug/m3	ND	3.0	04/25/18 17:14	
2-Hexanone	ug/m3	ND	4.2	04/25/18 17:14	
2-Propanol	ug/m3	ND	2.5	04/25/18 17:14	
4-Ethyltoluene	ug/m3	ND	1.0	04/25/18 17:14	
4-Methyl-2-pentanone (MIBK)	ug/m3	ND	4.2	04/25/18 17:14	
Acetone	ug/m3	ND	2.4	04/25/18 17:14	
Benzene	ug/m3	ND	0.32	04/25/18 17:14	
Benzyl chloride	ug/m3	ND	1.0	04/25/18 17:14	
Bromodichloromethane	ug/m3	ND	1.4	04/25/18 17:14	
Bromoform	ug/m3	ND	2.1	04/25/18 17:14	
Bromomethane	ug/m3	ND	0.79	04/25/18 17:14	
Carbon disulfide	ug/m3	ND	0.63	04/25/18 17:14	
Carbon tetrachloride	ug/m3	ND	0.64	04/25/18 17:14	
Chlorobenzene	ug/m3	ND	0.94	04/25/18 17:14	
Chloroethane	ug/m3	ND	1.3	04/25/18 17:14	
Chloroform	ug/m3	ND	0.50	04/25/18 17:14	
Chloromethane	ug/m3	ND	0.42	04/25/18 17:14	
cis-1,2-Dichloroethene	ug/m3	ND	0.81	04/25/18 17:14	
cis-1,3-Dichloropropene	ug/m3	ND	0.92	04/25/18 17:14	
Cyclohexane	ug/m3	ND	0.70	04/25/18 17:14	
Dibromochloromethane	ug/m3	ND	1.7	04/25/18 17:14	
Dichlorodifluoromethane	ug/m3	ND	1.0	04/25/18 17:14	
Dichlorotetrafluoroethane	ug/m3	ND	1.4	04/25/18 17:14	
Ethanol	ug/m3	ND	1.9	04/25/18 17:14	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: FORMER COYANE TESTILE FACILITY

Pace Project No.: 7049109

METHOD BLANK: 2903021

Matrix: Air

Associated Lab Samples: 7049109002, 7049109003, 7049109004, 7049109005, 7049109006, 7049109007, 7049109008, 7049109009, 7049109010, 7049109011

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Ethyl acetate	ug/m3	ND	0.73	04/25/18 17:14	
Ethylbenzene	ug/m3	ND	0.88	04/25/18 17:14	
Hexachloro-1,3-butadiene	ug/m3	ND	2.2	04/25/18 17:14	
m&p-Xylene	ug/m3	ND	1.8	04/25/18 17:14	
Methyl-tert-butyl ether	ug/m3	ND	3.7	04/25/18 17:14	
Methylene Chloride	ug/m3	ND	3.5	04/25/18 17:14	
n-Heptane	ug/m3	ND	0.83	04/25/18 17:14	
n-Hexane	ug/m3	ND	0.72	04/25/18 17:14	
Naphthalene	ug/m3	ND	2.7	04/25/18 17:14	
o-Xylene	ug/m3	ND	0.88	04/25/18 17:14	
Propylene	ug/m3	ND	0.35	04/25/18 17:14	
Styrene	ug/m3	ND	0.87	04/25/18 17:14	
Tetrachloroethene	ug/m3	ND	0.69	04/25/18 17:14	
Tetrahydrofuran	ug/m3	ND	0.60	04/25/18 17:14	
Toluene	ug/m3	ND	0.77	04/25/18 17:14	
trans-1,2-Dichloroethene	ug/m3	ND	0.81	04/25/18 17:14	
trans-1,3-Dichloropropene	ug/m3	ND	0.92	04/25/18 17:14	
Trichloroethene	ug/m3	ND	0.55	04/25/18 17:14	
Trichlorofluoromethane	ug/m3	ND	1.1	04/25/18 17:14	
Vinyl acetate	ug/m3	ND	0.72	04/25/18 17:14	
Vinyl chloride	ug/m3	ND	0.52	04/25/18 17:14	

LABORATORY CONTROL SAMPLE: 2903022

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/m3	55.5	54.2	98	70-135	
1,1,2,2-Tetrachloroethane	ug/m3	69.8	68.3	98	70-146	
1,1,2-Trichloroethane	ug/m3	55.5	57.1	103	70-135	
1,1,2-Trichlorotrifluoroethane	ug/m3	77.9	77.5	100	63-139	
1,1-Dichloroethane	ug/m3	41.1	40.9	99	70-134	
1,1-Dichloroethene	ug/m3	40.3	42.2	105	70-137	
1,2,4-Trichlorobenzene	ug/m3	75.4	63.4	84	60-133	
1,2,4-Trimethylbenzene	ug/m3	50	48.9	98	70-137	
1,2-Dibromoethane (EDB)	ug/m3	78.1	72.4	93	70-140	
1,2-Dichlorobenzene	ug/m3	61.1	53.5	87	70-137	
1,2-Dichloroethane	ug/m3	41.1	41.9	102	70-136	
1,2-Dichloropropane	ug/m3	47	45.5	97	70-136	
1,3,5-Trimethylbenzene	ug/m3	50	48.7	97	70-133	
1,3-Butadiene	ug/m3	22.5	23.7	106	64-141	
1,3-Dichlorobenzene	ug/m3	61.1	53.3	87	70-137	
1,4-Dichlorobenzene	ug/m3	61.1	50.7	83	70-134	
2-Butanone (MEK)	ug/m3	30	30.3	101	65-143	
2-Hexanone	ug/m3	41.6	40.6	97	60-148	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: FORMER COYANE TESTILE FACILITY

Pace Project No.: 7049109

LABORATORY CONTROL SAMPLE: 2903022

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
2-Propanol	ug/m3	125	139	111	65-135	
4-Ethyltoluene	ug/m3	50	43.0	86	70-132	
4-Methyl-2-pentanone (MIBK)	ug/m3	41.6	41.7	100	70-135	
Acetone	ug/m3	121	128	106	59-132	
Benzene	ug/m3	32.5	30.6	94	70-134	
Benzyl chloride	ug/m3	52.6	47.9	91	56-150	
Bromodichloromethane	ug/m3	68.1	68.3	100	70-142	
Bromoform	ug/m3	105	118	112	69-150	
Bromomethane	ug/m3	39.5	41.0	104	61-141	
Carbon disulfide	ug/m3	31.6	33.0	104	66-134	
Carbon tetrachloride	ug/m3	64	65.4	102	60-145	
Chlorobenzene	ug/m3	46.8	43.1	92	70-130	
Chloroethane	ug/m3	26.8	26.8	100	65-143	
Chloroform	ug/m3	49.6	49.6	100	70-132	
Chloromethane	ug/m3	21	22.0	105	58-140	
cis-1,2-Dichloroethene	ug/m3	40.3	40.4	100	70-136	
cis-1,3-Dichloropropene	ug/m3	46.1	47.2	102	70-136	
Cyclohexane	ug/m3	35	32.8	94	70-133	
Dibromochloromethane	ug/m3	86.6	90.0	104	68-149	
Dichlorodifluoromethane	ug/m3	50.3	49.6	99	69-130	
Dichlorotetrafluoroethane	ug/m3	71	70.5	99	68-130	
Ethanol	ug/m3	91.6	111	121	65-146	
Ethyl acetate	ug/m3	36.6	36.6	100	68-136	
Ethylbenzene	ug/m3	44.1	38.4	87	70-133	
Hexachloro-1,3-butadiene	ug/m3	108	99.8	92	59-140	
m&p-Xylene	ug/m3	88.3	75.3	85	70-133	
Methyl-tert-butyl ether	ug/m3	36.6	35.1	96	70-132	
Methylene Chloride	ug/m3	177	172	97	67-132	
n-Heptane	ug/m3	41.6	40.5	97	64-136	
n-Hexane	ug/m3	35.8	35.9	100	70-130	
Naphthalene	ug/m3	53.3	44.4	83	55-136	
o-Xylene	ug/m3	44.1	43.2	98	70-132	
Propylene	ug/m3	17.5	17.0	97	37-150	
Styrene	ug/m3	43.3	40.6	94	70-139	
Tetrachloroethene	ug/m3	68.9	62.1	90	70-133	
Tetrahydrofuran	ug/m3	30	30.8	103	62-141	
Toluene	ug/m3	38.3	35.3	92	70-130	
trans-1,2-Dichloroethene	ug/m3	40.3	39.6	98	70-132	
trans-1,3-Dichloropropene	ug/m3	46.1	48.3	105	70-135	
Trichloroethene	ug/m3	54.6	53.5	98	70-135	
Trichlorofluoromethane	ug/m3	57.1	57.6	101	59-140	
Vinyl acetate	ug/m3	35.8	41.5	116	57-150	
Vinyl chloride	ug/m3	26	27.2	105	70-141	

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QUALITY CONTROL DATA

Project: FORMER COYANE TESTILE FACILITY

Pace Project No.: 7049109

SAMPLE DUPLICATE: 2904113

Parameter	Units	7049109003 Result	Dup Result	RPD	Max RPD	Qualifiers
1,1,1-Trichloroethane	ug/m3	ND	ND		25	
1,1,2,2-Tetrachloroethane	ug/m3	ND	ND		25	
1,1,2-Trichloroethane	ug/m3	ND	ND		25	
1,1,2-Trichlorotrifluoroethane	ug/m3	ND	ND		25	
1,1-Dichloroethane	ug/m3	ND	ND		25	
1,1-Dichloroethene	ug/m3	ND	ND		25	
1,2,4-Trichlorobenzene	ug/m3	ND	ND		25	
1,2,4-Trimethylbenzene	ug/m3	ND	ND		25	
1,2-Dibromoethane (EDB)	ug/m3	ND	ND		25	
1,2-Dichlorobenzene	ug/m3	ND	ND		25	
1,2-Dichloroethane	ug/m3	ND	ND		25	
1,2-Dichloropropane	ug/m3	ND	ND		25	
1,3,5-Trimethylbenzene	ug/m3	ND	ND		25	
1,3-Butadiene	ug/m3	ND	ND		25	
1,3-Dichlorobenzene	ug/m3	ND	ND		25	
1,4-Dichlorobenzene	ug/m3	ND	ND		25	
2-Butanone (MEK)	ug/m3	ND	ND		25	
2-Hexanone	ug/m3	ND	ND		25	
2-Propanol	ug/m3	5.3	5.2	1	25	
4-Ethyltoluene	ug/m3	ND	ND		25	
4-Methyl-2-pentanone (MIBK)	ug/m3	ND	ND		25	
Acetone	ug/m3	6.9	7.0	1	25	
Benzene	ug/m3	ND	ND		25	
Benzyl chloride	ug/m3	ND	ND		25	
Bromodichloromethane	ug/m3	ND	ND		25	
Bromoform	ug/m3	ND	ND		25	
Bromomethane	ug/m3	ND	ND		25	
Carbon disulfide	ug/m3	ND	ND		25	
Carbon tetrachloride	ug/m3	ND	ND		25	
Chlorobenzene	ug/m3	ND	ND		25	
Chloroethane	ug/m3	ND	ND		25	
Chloroform	ug/m3	ND	ND		25	
Chloromethane	ug/m3	ND	ND		25	
cis-1,2-Dichloroethene	ug/m3	ND	ND		25	
cis-1,3-Dichloropropene	ug/m3	ND	ND		25	
Cyclohexane	ug/m3	ND	ND		25	
Dibromochloromethane	ug/m3	ND	ND		25	
Dichlorodifluoromethane	ug/m3	ND	ND		25	
Dichlorotetrafluoroethane	ug/m3	ND	ND		25	
Ethanol	ug/m3	16.4	18.4	11	25	
Ethyl acetate	ug/m3	ND	ND		25	
Ethylbenzene	ug/m3	ND	ND		25	
Hexachloro-1,3-butadiene	ug/m3	ND	ND		25	
m&p-Xylene	ug/m3	ND	1.5J		25	
Methyl-tert-butyl ether	ug/m3	ND	ND		25	
Methylene Chloride	ug/m3	ND	ND		25	
n-Heptane	ug/m3	ND	ND		25	

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QUALITY CONTROL DATA

Project: FORMER COYANE TESTILE FACILITY

Pace Project No.: 7049109

SAMPLE DUPLICATE: 2904113

Parameter	Units	7049109003 Result	Dup Result	RPD	Max RPD	Qualifiers
n-Hexane	ug/m3	ND	ND		25	
Naphthalene	ug/m3	ND	ND		25	
o-Xylene	ug/m3	ND	ND		25	
Propylene	ug/m3	ND	ND		25	
Styrene	ug/m3	ND	ND		25	
Tetrachloroethene	ug/m3	ND	ND		25	
Tetrahydrofuran	ug/m3	ND	ND		25	
Toluene	ug/m3	ND	1.2J		25	
trans-1,2-Dichloroethene	ug/m3	ND	ND		25	
trans-1,3-Dichloropropene	ug/m3	ND	ND		25	
Trichloroethene	ug/m3	ND	ND		25	
Trichlorofluoromethane	ug/m3	ND	ND		25	
Vinyl acetate	ug/m3	ND	ND		25	
Vinyl chloride	ug/m3	ND	ND		25	

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QUALITY CONTROL DATA

Project: FORMER COYANE TESTILE FACILITY

Pace Project No.: 7049109

QC Batch: 534553

Analysis Method: TO-15

QC Batch Method: TO-15

Analysis Description: TO15 MSV AIR Low Level

Associated Lab Samples: 7049109001

METHOD BLANK: 2904146

Matrix: Air

Associated Lab Samples: 7049109001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/m3	ND	1.1	04/26/18 10:51	
1,1,2,2-Tetrachloroethane	ug/m3	ND	0.70	04/26/18 10:51	
1,1,2-Trichloroethane	ug/m3	ND	0.56	04/26/18 10:51	
1,1,2-Trichlorotrifluoroethane	ug/m3	ND	1.6	04/26/18 10:51	
1,1-Dichloroethane	ug/m3	ND	0.82	04/26/18 10:51	
1,1-Dichloroethene	ug/m3	ND	0.81	04/26/18 10:51	
1,2,4-Trichlorobenzene	ug/m3	ND	3.8	04/26/18 10:51	
1,2,4-Trimethylbenzene	ug/m3	ND	1.0	04/26/18 10:51	
1,2-Dibromoethane (EDB)	ug/m3	ND	1.6	04/26/18 10:51	
1,2-Dichlorobenzene	ug/m3	ND	1.2	04/26/18 10:51	
1,2-Dichloroethane	ug/m3	ND	0.41	04/26/18 10:51	
1,2-Dichloropropane	ug/m3	ND	0.94	04/26/18 10:51	
1,3,5-Trimethylbenzene	ug/m3	ND	1.0	04/26/18 10:51	
1,3-Butadiene	ug/m3	ND	1.1	04/26/18 10:51	
1,3-Dichlorobenzene	ug/m3	ND	1.2	04/26/18 10:51	
1,4-Dichlorobenzene	ug/m3	ND	1.2	04/26/18 10:51	
2-Butanone (MEK)	ug/m3	ND	3.0	04/26/18 10:51	
2-Hexanone	ug/m3	ND	4.2	04/26/18 10:51	
2-Propanol	ug/m3	ND	2.5	04/26/18 10:51	
4-Ethyltoluene	ug/m3	ND	1.0	04/26/18 10:51	
4-Methyl-2-pentanone (MIBK)	ug/m3	ND	4.2	04/26/18 10:51	
Acetone	ug/m3	ND	2.4	04/26/18 10:51	
Benzene	ug/m3	ND	0.32	04/26/18 10:51	
Benzyl chloride	ug/m3	ND	1.0	04/26/18 10:51	
Bromodichloromethane	ug/m3	ND	1.4	04/26/18 10:51	
Bromoform	ug/m3	ND	2.1	04/26/18 10:51	
Bromomethane	ug/m3	ND	0.79	04/26/18 10:51	
Carbon disulfide	ug/m3	ND	0.63	04/26/18 10:51	
Carbon tetrachloride	ug/m3	ND	0.64	04/26/18 10:51	
Chlorobenzene	ug/m3	ND	0.94	04/26/18 10:51	
Chloroethane	ug/m3	ND	1.3	04/26/18 10:51	
Chloroform	ug/m3	ND	0.50	04/26/18 10:51	
Chloromethane	ug/m3	ND	0.42	04/26/18 10:51	
cis-1,2-Dichloroethene	ug/m3	ND	0.81	04/26/18 10:51	
cis-1,3-Dichloropropene	ug/m3	ND	0.92	04/26/18 10:51	
Cyclohexane	ug/m3	ND	0.70	04/26/18 10:51	
Dibromochloromethane	ug/m3	ND	1.7	04/26/18 10:51	
Dichlorodifluoromethane	ug/m3	ND	1.0	04/26/18 10:51	
Dichlorotetrafluoroethane	ug/m3	ND	1.4	04/26/18 10:51	
Ethanol	ug/m3	ND	1.9	04/26/18 10:51	
Ethyl acetate	ug/m3	ND	0.73	04/26/18 10:51	

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QUALITY CONTROL DATA

Project: FORMER COYANE TESTILE FACILITY

Pace Project No.: 7049109

METHOD BLANK: 2904146

Matrix: Air

Associated Lab Samples: 7049109001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Ethylbenzene	ug/m3	ND	0.88	04/26/18 10:51	
Hexachloro-1,3-butadiene	ug/m3	ND	2.2	04/26/18 10:51	
m&p-Xylene	ug/m3	ND	1.8	04/26/18 10:51	
Methyl-tert-butyl ether	ug/m3	ND	3.7	04/26/18 10:51	
Methylene Chloride	ug/m3	ND	3.5	04/26/18 10:51	
n-Heptane	ug/m3	ND	0.83	04/26/18 10:51	
n-Hexane	ug/m3	ND	0.72	04/26/18 10:51	
Naphthalene	ug/m3	ND	2.7	04/26/18 10:51	
o-Xylene	ug/m3	ND	0.88	04/26/18 10:51	
Propylene	ug/m3	ND	0.35	04/26/18 10:51	
Styrene	ug/m3	ND	0.87	04/26/18 10:51	
Tetrachloroethene	ug/m3	ND	0.69	04/26/18 10:51	
Tetrahydrofuran	ug/m3	ND	0.60	04/26/18 10:51	
Toluene	ug/m3	ND	0.77	04/26/18 10:51	
trans-1,2-Dichloroethene	ug/m3	ND	0.81	04/26/18 10:51	
trans-1,3-Dichloropropene	ug/m3	ND	0.92	04/26/18 10:51	
Trichloroethene	ug/m3	ND	0.55	04/26/18 10:51	
Trichlorofluoromethane	ug/m3	ND	1.1	04/26/18 10:51	
Vinyl acetate	ug/m3	ND	0.72	04/26/18 10:51	
Vinyl chloride	ug/m3	ND	0.52	04/26/18 10:51	

LABORATORY CONTROL SAMPLE: 2904147

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/m3	55.5	53.1	96	70-135	
1,1,2,2-Tetrachloroethane	ug/m3	69.8	66.0	95	70-146	
1,1,2-Trichloroethane	ug/m3	55.5	55.2	99	70-135	
1,1,2-Trichlorotrifluoroethane	ug/m3	77.9	75.9	97	63-139	
1,1-Dichloroethane	ug/m3	41.1	40.5	98	70-134	
1,1-Dichloroethene	ug/m3	40.3	42.2	105	70-137	
1,2,4-Trichlorobenzene	ug/m3	75.4	53.3	71	60-133	
1,2,4-Trimethylbenzene	ug/m3	50	48.7	97	70-137	
1,2-Dibromoethane (EDB)	ug/m3	78.1	69.8	89	70-140	
1,2-Dichlorobenzene	ug/m3	61.1	50.3	82	70-137	
1,2-Dichloroethane	ug/m3	41.1	41.3	100	70-136	
1,2-Dichloropropane	ug/m3	47	44.7	95	70-136	
1,3,5-Trimethylbenzene	ug/m3	50	46.7	93	70-133	
1,3-Butadiene	ug/m3	22.5	25.2	112	64-141	
1,3-Dichlorobenzene	ug/m3	61.1	50.9	83	70-137	
1,4-Dichlorobenzene	ug/m3	61.1	47.5	78	70-134	
2-Butanone (MEK)	ug/m3	30	29.7	99	65-143	
2-Hexanone	ug/m3	41.6	40.2	97	60-148	
2-Propanol	ug/m3	125	140	112	65-135	
4-Ethyltoluene	ug/m3	50	44.2	88	70-132	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: FORMER COYANE TESTILE FACILITY

Pace Project No.: 7049109

LABORATORY CONTROL SAMPLE: 2904147

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
4-Methyl-2-pentanone (MIBK)	ug/m3	41.6	42.5	102	70-135	
Acetone	ug/m3	121	116	96	59-132	
Benzene	ug/m3	32.5	30.1	93	70-134	
Benzyl chloride	ug/m3	52.6	44.2	84	56-150	
Bromodichloromethane	ug/m3	68.1	67.4	99	70-142	
Bromoform	ug/m3	105	112	106	69-150	
Bromomethane	ug/m3	39.5	41.6	106	61-141	
Carbon disulfide	ug/m3	31.6	32.5	103	66-134	
Carbon tetrachloride	ug/m3	64	64.7	101	60-145	
Chlorobenzene	ug/m3	46.8	41.5	89	70-130	
Chloroethane	ug/m3	26.8	27.9	104	65-143	
Chloroform	ug/m3	49.6	48.1	97	70-132	
Chloromethane	ug/m3	21	23.2	111	58-140	
cis-1,2-Dichloroethene	ug/m3	40.3	39.9	99	70-136	
cis-1,3-Dichloropropene	ug/m3	46.1	46.2	100	70-136	
Cyclohexane	ug/m3	35	33.0	94	70-133	
Dibromochloromethane	ug/m3	86.6	86.4	100	68-149	
Dichlorodifluoromethane	ug/m3	50.3	47.4	94	69-130	
Dichlorotetrafluoroethane	ug/m3	71	69.5	98	68-130	
Ethanol	ug/m3	91.6	120	131	65-146	
Ethyl acetate	ug/m3	36.6	36.9	101	68-136	
Ethylbenzene	ug/m3	44.1	37.7	85	70-133	
Hexachloro-1,3-butadiene	ug/m3	108	86.7	80	59-140	
m&p-Xylene	ug/m3	88.3	75.9	86	70-133	
Methyl-tert-butyl ether	ug/m3	36.6	34.6	94	70-132	
Methylene Chloride	ug/m3	177	173	98	67-132	
n-Heptane	ug/m3	41.6	41.9	101	64-136	
n-Hexane	ug/m3	35.8	36.3	101	70-130	
Naphthalene	ug/m3	53.3	38.1	71	55-136	
o-Xylene	ug/m3	44.1	42.6	96	70-132	
Propylene	ug/m3	17.5	16.9	97	37-150	
Styrene	ug/m3	43.3	38.6	89	70-139	
Tetrachloroethene	ug/m3	68.9	60.7	88	70-133	
Tetrahydrofuran	ug/m3	30	31.2	104	62-141	
Toluene	ug/m3	38.3	35.2	92	70-130	
trans-1,2-Dichloroethene	ug/m3	40.3	38.8	96	70-132	
trans-1,3-Dichloropropene	ug/m3	46.1	47.1	102	70-135	
Trichloroethene	ug/m3	54.6	52.0	95	70-135	
Trichlorofluoromethane	ug/m3	57.1	55.7	98	59-140	
Vinyl acetate	ug/m3	35.8	41.6	116	57-150	
Vinyl chloride	ug/m3	26	28.9	111	70-141	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: FORMER COYANE TESTILE FACILITY

Pace Project No.: 7049109

SAMPLE DUPLICATE: 2905242

Parameter	Units	7049109001 Result	Dup Result	RPD	Max RPD	Qualifiers
1,1,1-Trichloroethane	ug/m3	ND	ND		25	
1,1,2,2-Tetrachloroethane	ug/m3	ND	ND		25	
1,1,2-Trichloroethane	ug/m3	ND	ND		25	
1,1,2-Trichlorotrifluoroethane	ug/m3	ND	ND		25	
1,1-Dichloroethane	ug/m3	ND	ND		25	
1,1-Dichloroethene	ug/m3	ND	ND		25	
1,2,4-Trichlorobenzene	ug/m3	ND	ND		25	
1,2,4-Trimethylbenzene	ug/m3	209	194	7	25	
1,2-Dibromoethane (EDB)	ug/m3	ND	ND		25	
1,2-Dichlorobenzene	ug/m3	ND	ND		25	
1,2-Dichloroethane	ug/m3	ND	ND		25	
1,2-Dichloropropane	ug/m3	ND	ND		25	
1,3,5-Trimethylbenzene	ug/m3	58.1	54.2	7	25	
1,3-Butadiene	ug/m3	ND	ND		25	
1,3-Dichlorobenzene	ug/m3	ND	ND		25	
1,4-Dichlorobenzene	ug/m3	ND	ND		25	
2-Butanone (MEK)	ug/m3	37.0	35.8	3	25	
2-Hexanone	ug/m3	ND	ND		25	
2-Propanol	ug/m3	ND	ND		25	
4-Ethyltoluene	ug/m3	47.5	44.3	7	25	
4-Methyl-2-pentanone (MIBK)	ug/m3	ND	5.5J		25	
Acetone	ug/m3	259	241	7	25	
Benzene	ug/m3	2.8	2.8	2	25	
Benzyl chloride	ug/m3	ND	ND		25	
Bromodichloromethane	ug/m3	ND	ND		25	
Bromoform	ug/m3	ND	ND		25	
Bromomethane	ug/m3	ND	ND		25	
Carbon disulfide	ug/m3	ND	ND		25	
Carbon tetrachloride	ug/m3	ND	ND		25	
Chlorobenzene	ug/m3	ND	ND		25	
Chloroethane	ug/m3	ND	ND		25	
Chloroform	ug/m3	ND	ND		25	
Chloromethane	ug/m3	ND	ND		25	
cis-1,2-Dichloroethene	ug/m3	ND	ND		25	
cis-1,3-Dichloropropene	ug/m3	ND	ND		25	
Cyclohexane	ug/m3	ND	6.2		25	
Dibromochloromethane	ug/m3	ND	ND		25	
Dichlorodifluoromethane	ug/m3	ND	ND		25	
Dichlorotetrafluoroethane	ug/m3	ND	ND		25	
Ethanol	ug/m3	91.3	88.5	3	25	
Ethyl acetate	ug/m3	ND	ND		25	
Ethylbenzene	ug/m3	12.2	9.2	27	25	R1
Hexachloro-1,3-butadiene	ug/m3	ND	ND		25	
m&p-Xylene	ug/m3	108	94.9	13	25	
Methyl-tert-butyl ether	ug/m3	ND	ND		25	
Methylene Chloride	ug/m3	ND	ND		25	
n-Heptane	ug/m3	15.8	14.9	6	25	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: FORMER COYANE TESTILE FACILITY

Pace Project No.: 7049109

SAMPLE DUPLICATE: 2905242

Parameter	Units	7049109001 Result	Dup Result	RPD	Max RPD	Qualifiers
n-Hexane	ug/m3	21.1	20.9	1	25	
Naphthalene	ug/m3	29.8	27.0	10	25	
o-Xylene	ug/m3	43.2	37.8	13	25	
Propylene	ug/m3	ND	ND		25	
Styrene	ug/m3	ND	ND		25	
Tetrachloroethene	ug/m3	ND	.9J		25	
Tetrahydrofuran	ug/m3	ND	ND		25	
Toluene	ug/m3	20.9	17.6	17	25	
trans-1,2-Dichloroethene	ug/m3	ND	ND		25	
trans-1,3-Dichloropropene	ug/m3	ND	ND		25	
Trichloroethene	ug/m3	ND	ND		25	
Trichlorofluoromethane	ug/m3	ND	ND		25	
Vinyl acetate	ug/m3	ND	ND		25	
Vinyl chloride	ug/m3	ND	ND		25	

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REPORT OF LABORATORY ANALYSIS

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QUALIFIERS

Project: FORMER COYANE TESTILE FACILITY

Pace Project No.: 7049109

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

LABORATORIES

PASI-M Pace Analytical Services - Minneapolis

ANALYTE QUALIFIERS

R1 RPD value was outside control limits.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: FORMER COYANE TESTILE FACILITY

Pace Project No.: 7049109

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
7049109001	SVP 100	TO-15	534553		
7049109002	SVP 101	TO-15	534342		
7049109003	SVP 0A100	TO-15	534342		
7049109004	SVP IA100	TO-15	534342		
7049109005	SVP IA101	TO-15	534342		
7049109006	SVP IA102	TO-15	534342		
7049109007	SVP IA103	TO-15	534342		
7049109008	SVP IA104	TO-15	534342		
7049109009	SVP IA105	TO-15	534342		
7049109010	SVP IAQ100	TO-15	534342		
7049109011	SVP IAQ101	TO-15	534342		

REPORT OF LABORATORY ANALYSIS

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Section A
Required Client Information:
Company: CHA Consulting, Inc
Address: 300 South State St
City: New York, NY
Phone: 212-691-1250
Requested Due Date/TAT: Standard

Section B
Required Project Information:
Report To: Karyn Ekman
Copy To: Dan Miller
Purchase Order No.:
Project Name: Coyle Isotope Facility
Project Number: 33525 (Inv. 11600)

Section C
Invoice Information:
Attention:
Company Name:
Address:
Pace Quote Reference:
Pace Project Manager/Sales Rep.
Pace Profile #:

Section D Required Client Information
AIR SAMPLE ID
Sample IDs MUST BE UNIQUE

ITEM #	Valid Media Codes MEDIA SB 1 Liter Summa Can 8 Liter Summa Can High Volume Puff Other	COLLECTED		Initial Field reading (inches of Hg)	Final Field reading (inches of Hg)	Summa Can Number	Flow Control Number	Method:	Temp in °C	SAMPLE CONDITIONS
		DATE	TIME							
1	SVP 100	4/18/18	1605	30	-6	1240	0215	PM10		Received on Y/N Y/N Y/N Y/N
2	SVP 101	4/18/18	1605	29	-6	5190	0421	TO-15 Short List		Custody Sealed Y/N Y/N Y/N Y/N
3	SV-CA100	4/18/18	1541	27	-6	5710	0413	TO-14		Temp in °C
4	SV-IA101	4/18/18	1816	30	-5	4940	1104	TO-13 (PMH)		Received on Y/N Y/N Y/N Y/N
5	SV-IA102	4/18/18	1705	27	-6	3994	1090	TO-4 (CBS)		Custody Sealed Y/N Y/N Y/N Y/N
6	SV-IA103	4/18/18	1724	29	-5	2062	0019	TO-3M (Methane)		Temp in °C
7	SV-IA104	4/18/18	1742	27	-5	818	0252	TO-3 (Fixed Gas %)		Received on Y/N Y/N Y/N Y/N
8	SV-IA105	4/18/18	1802	30	-5	671	0111	3C Fixed Gas (%)		Custody Sealed Y/N Y/N Y/N Y/N
9	SV-IA6100	4/18/18	1751	28	-6	571	0449	PM10		Temp in °C
10	SV-IA6101	4/18/18	1813	28	-5	2742	0130	TO-15 Short List		Received on Y/N Y/N Y/N Y/N
11										Custody Sealed Y/N Y/N Y/N Y/N
12										Temp in °C

RELINQUISHED BY / AFFILIATION
Date: 4/19/18 Time: 1445
Signature: [Handwritten]

ACCEPTED BY / AFFILIATION
Date: 4/19/18 Time: 1445
Signature: [Handwritten]

SAMPLER NAME AND SIGNATURE
PRINT Name of SAMPLER:
SIGNATURE of SAMPLER:
DATE Signed (MM/DD/YY)

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.

TestAmerica Buffalo

10 Hazelwood Drive

Amherst, NY 14228-2298

Tel: (716)691-2600

TestAmerica Job ID: 480-134734-1

Client Project/Site: FORMER COYNE TEXTILE FACILITY

For:

Pace Analytical Services, LLC

575 Broad Hollow Road

Melville, New York 11747

Attn: James Murphy



Authorized for release by:

5/3/2018 3:45:23 PM

Rebecca Jones, Project Management Assistant I

rebecca.jones@testamericainc.com

Designee for

John Schove, Project Manager II

(716)504-9838

john.schove@testamericainc.com

LINKS

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The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

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

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

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Definitions/Glossary

Client: Pace Analytical Services, LLC
Project/Site: FORMER COYNE TEXTILE FACILITY

TestAmerica Job ID: 480-134734-1

Qualifiers

LCMS

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
U	Indicates the analyte was analyzed for but not detected.
B	Compound was found in the blank and sample.
*	Isotope Dilution analyte is outside acceptance limits.

Glossary

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

Case Narrative

Client: Pace Analytical Services, LLC
Project/Site: FORMER COYNE TEXTILE FACILITY

TestAmerica Job ID: 480-134734-1

Job ID: 480-134734-1

Laboratory: TestAmerica Buffalo

Narrative

Job Narrative 480-134734-1

Comments

No additional comments.

Receipt

The samples were received on 4/24/2018 9:40 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 2.7° C.

LCMS

Method(s) 537 (modified): Isotope Dilution Analyte (IDA) recovery for M2-6:2FTS is above the method recommended limit for the following sample: GW 104 (480-134734-2). Quantitation by isotope dilution generally precludes any adverse effect on data quality due to elevated IDA recoveries.

Method(s) 537 (modified): Isotope Dilution Analyte (IDA) recovery for M2-6:2FTS and M2-8:2FTS is above the method recommended limit for the following sample: GW 103D (480-134734-3). Quantitation by isotope dilution generally precludes any adverse effect on data quality due to elevated IDA recoveries.

Method(s) 537 (modified): Results for sample GW 103D (480-134734-3) were reported from the analysis of a diluted extract due to high concentration of the target analyte in the analysis of the undiluted extract. The dilution factor was applied to the labeled internal standard area counts and these area counts were within acceptance limits

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

Organic Prep

Method(s) 3535: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with preparation batch 320-220407.
3535 - water - 320-220407

Method(s) 3535: The following samples: GW 105D (480-134734-1), GW 104 (480-134734-2) and GW 103D (480-134734-3) was/were decanted prior to extraction, due to containing excess sediment which had the potential to clog the solid-phase column.
3535 - water - 320-220407

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

Detection Summary

Client: Pace Analytical Services, LLC
 Project/Site: FORMER COYNE TEXTILE FACILITY

TestAmerica Job ID: 480-134734-1

Client Sample ID: GW 105D

Lab Sample ID: 480-134734-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
6:2FTS	2.6	J	20	2.0	ng/L	1		537 (modified)	Total/NA
Perfluorobutanesulfonic acid (PFBS)	1.7	J	2.0	0.20	ng/L	1		537 (modified)	Total/NA
Perfluorobutanoic acid (PFBA)	4.5		2.0	0.35	ng/L	1		537 (modified)	Total/NA
Perfluoroheptanoic acid (PFHpA)	0.77	J	2.0	0.25	ng/L	1		537 (modified)	Total/NA
Perfluorohexanesulfonic acid (PFHxS)	1.3	J B	2.0	0.17	ng/L	1		537 (modified)	Total/NA
Perfluorooctanesulfonic acid (PFOS)	0.55	J	2.0	0.54	ng/L	1		537 (modified)	Total/NA
Perfluorooctanoic acid (PFOA)	1.6	J B	2.0	0.85	ng/L	1		537 (modified)	Total/NA
Perfluoropentanoic acid (PFPeA)	1.6	J	2.0	0.49	ng/L	1		537 (modified)	Total/NA

Client Sample ID: GW 104

Lab Sample ID: 480-134734-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
6:2FTS	3.6	J	20	2.0	ng/L	1		537 (modified)	Total/NA
Perfluorobutanesulfonic acid (PFBS)	0.62	J	2.0	0.20	ng/L	1		537 (modified)	Total/NA
Perfluorobutanoic acid (PFBA)	2.6		2.0	0.34	ng/L	1		537 (modified)	Total/NA
Perfluorohexanesulfonic acid (PFHxS)	0.73	J B	2.0	0.17	ng/L	1		537 (modified)	Total/NA
Perfluorooctanesulfonic acid (PFOS)	1.4	J	2.0	0.53	ng/L	1		537 (modified)	Total/NA
Perfluorooctanoic acid (PFOA)	1.3	J B	2.0	0.83	ng/L	1		537 (modified)	Total/NA

Client Sample ID: GW 103D

Lab Sample ID: 480-134734-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
6:2FTS	33		20	2.0	ng/L	1		537 (modified)	Total/NA
Perfluorobutanesulfonic acid (PFBS)	14		2.0	0.20	ng/L	1		537 (modified)	Total/NA
Perfluorobutanoic acid (PFBA)	330		2.0	0.35	ng/L	1		537 (modified)	Total/NA
Perfluorodecanoic acid (PFDA)	2.1		2.0	0.31	ng/L	1		537 (modified)	Total/NA
Perfluoroheptanesulfonic Acid (PFHpS)	24		2.0	0.19	ng/L	1		537 (modified)	Total/NA
Perfluoroheptanoic acid (PFHpA)	160		2.0	0.25	ng/L	1		537 (modified)	Total/NA
Perfluorohexanesulfonic acid (PFHxS)	25	B	2.0	0.17	ng/L	1		537 (modified)	Total/NA
Perfluorohexanoic acid (PFHxA)	350		2.0	0.58	ng/L	1		537 (modified)	Total/NA
Perfluorononanoic acid (PFNA)	75		2.0	0.27	ng/L	1		537 (modified)	Total/NA
Perfluorooctanoic acid (PFOA)	300	B	2.0	0.85	ng/L	1		537 (modified)	Total/NA
Perfluoropentanoic acid (PFPeA)	360		2.0	0.49	ng/L	1		537 (modified)	Total/NA
Perfluorooctanesulfonic acid (PFOS) - DL	2000		20	5.4	ng/L	10		537 (modified)	Total/NA

This Detection Summary does not include radiochemical test results.

TestAmerica Buffalo

Client Sample Results

Client: Pace Analytical Services, LLC
 Project/Site: FORMER COYNE TEXTILE FACILITY

TestAmerica Job ID: 480-134734-1

Client Sample ID: GW 105D

Lab Sample ID: 480-134734-1

Date Collected: 04/19/18 09:30

Matrix: Water

Date Received: 04/24/18 09:40

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
6:2FTS	2.6	J	20	2.0	ng/L		04/28/18 11:02	04/29/18 16:02	1
8:2FTS	20	U	20	2.0	ng/L		04/28/18 11:02	04/29/18 16:02	1
N-ethyl perfluorooctane sulfonamidoacetic acid (NEtFOSAA)	20	U	20	1.9	ng/L		04/28/18 11:02	04/29/18 16:02	1
N-methyl perfluorooctane sulfonamidoacetic acid (NMeFOSAA)	20	U	20	3.1	ng/L		04/28/18 11:02	04/29/18 16:02	1
Perfluorobutanesulfonic acid (PFBS)	1.7	J	2.0	0.20	ng/L		04/28/18 11:02	04/29/18 16:02	1
Perfluorobutanoic acid (PFBA)	4.5		2.0	0.35	ng/L		04/28/18 11:02	04/29/18 16:02	1
Perfluorodecanesulfonic acid (PFDS)	2.0	U	2.0	0.32	ng/L		04/28/18 11:02	04/29/18 16:02	1
Perfluorodecanoic acid (PFDA)	2.0	U	2.0	0.31	ng/L		04/28/18 11:02	04/29/18 16:02	1
Perfluorododecanoic acid (PFDoA)	2.0	U	2.0	0.55	ng/L		04/28/18 11:02	04/29/18 16:02	1
Perfluoroheptanesulfonic Acid (PFHpS)	2.0	U	2.0	0.19	ng/L		04/28/18 11:02	04/29/18 16:02	1
Perfluoroheptanoic acid (PFHpA)	0.77	J	2.0	0.25	ng/L		04/28/18 11:02	04/29/18 16:02	1
Perfluorohexanesulfonic acid (PFHxS)	1.3	J B	2.0	0.17	ng/L		04/28/18 11:02	04/29/18 16:02	1
Perfluorohexanoic acid (PFHxA)	2.0	U	2.0	0.58	ng/L		04/28/18 11:02	04/29/18 16:02	1
Perfluorononanoic acid (PFNA)	2.0	U	2.0	0.27	ng/L		04/28/18 11:02	04/29/18 16:02	1
Perfluorooctane Sulfonamide (FOSA)	2.0	U	2.0	0.35	ng/L		04/28/18 11:02	04/29/18 16:02	1
Perfluorooctanesulfonic acid (PFOS)	0.55	J	2.0	0.54	ng/L		04/28/18 11:02	04/29/18 16:02	1
Perfluorooctanoic acid (PFOA)	1.6	J B	2.0	0.85	ng/L		04/28/18 11:02	04/29/18 16:02	1
Perfluoropentanoic acid (PFPeA)	1.6	J	2.0	0.49	ng/L		04/28/18 11:02	04/29/18 16:02	1
Perfluorotetradecanoic acid (PFTeA)	2.0	U	2.0	0.29	ng/L		04/28/18 11:02	04/29/18 16:02	1
Perfluorotridecanoic Acid (PFTriA)	2.0	U	2.0	1.3	ng/L		04/28/18 11:02	04/29/18 16:02	1
Perfluoroundecanoic acid (PFUnA)	2.0	U	2.0	1.1	ng/L		04/28/18 11:02	04/29/18 16:02	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C2 PFDA	95		25 - 150				04/28/18 11:02	04/29/18 16:02	1
13C2 PFDoA	88		25 - 150				04/28/18 11:02	04/29/18 16:02	1
13C2 PFHxA	84		25 - 150				04/28/18 11:02	04/29/18 16:02	1
13C2 PFUnA	88		25 - 150				04/28/18 11:02	04/29/18 16:02	1
13C2-PFTeDA	92		25 - 150				04/28/18 11:02	04/29/18 16:02	1
13C3-PFBS	90		25 - 150				04/28/18 11:02	04/29/18 16:02	1
13C4 PFBA	49		25 - 150				04/28/18 11:02	04/29/18 16:02	1
13C4 PFOA	97		25 - 150				04/28/18 11:02	04/29/18 16:02	1
13C4 PFOS	94		25 - 150				04/28/18 11:02	04/29/18 16:02	1
13C4-PFHxA	95		25 - 150				04/28/18 11:02	04/29/18 16:02	1
13C5 PFNA	94		25 - 150				04/28/18 11:02	04/29/18 16:02	1
13C5 PFPeA	80		25 - 150				04/28/18 11:02	04/29/18 16:02	1
13C8 FOSA	92		25 - 150				04/28/18 11:02	04/29/18 16:02	1
18O2 PFHxS	94		25 - 150				04/28/18 11:02	04/29/18 16:02	1
d3-NMeFOSAA	89		25 - 150				04/28/18 11:02	04/29/18 16:02	1
d5-NEtFOSAA	90		25 - 150				04/28/18 11:02	04/29/18 16:02	1
M2-6:2FTS	129		25 - 150				04/28/18 11:02	04/29/18 16:02	1
M2-8:2FTS	112		25 - 150				04/28/18 11:02	04/29/18 16:02	1

Client Sample Results

Client: Pace Analytical Services, LLC
 Project/Site: FORMER COYNE TEXTILE FACILITY

TestAmerica Job ID: 480-134734-1

Client Sample ID: GW 104

Lab Sample ID: 480-134734-2

Date Collected: 04/19/18 10:40

Matrix: Water

Date Received: 04/24/18 09:40

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
6:2FTS	3.6	J	20	2.0	ng/L		04/28/18 11:02	04/29/18 16:10	1
8:2FTS	20	U	20	2.0	ng/L		04/28/18 11:02	04/29/18 16:10	1
N-ethyl perfluorooctane sulfonamidoacetic acid (NEtFOSAA)	20	U	20	1.9	ng/L		04/28/18 11:02	04/29/18 16:10	1
N-methyl perfluorooctane sulfonamidoacetic acid (NMeFOSAA)	20	U	20	3.0	ng/L		04/28/18 11:02	04/29/18 16:10	1
Perfluorobutanesulfonic acid (PFBS)	0.62	J	2.0	0.20	ng/L		04/28/18 11:02	04/29/18 16:10	1
Perfluorobutanoic acid (PFBA)	2.6		2.0	0.34	ng/L		04/28/18 11:02	04/29/18 16:10	1
Perfluorodecanesulfonic acid (PFDS)	2.0	U	2.0	0.31	ng/L		04/28/18 11:02	04/29/18 16:10	1
Perfluorodecanoic acid (PFDA)	2.0	U	2.0	0.30	ng/L		04/28/18 11:02	04/29/18 16:10	1
Perfluorododecanoic acid (PFDoA)	2.0	U	2.0	0.54	ng/L		04/28/18 11:02	04/29/18 16:10	1
Perfluoroheptanesulfonic Acid (PFHpS)	2.0	U	2.0	0.19	ng/L		04/28/18 11:02	04/29/18 16:10	1
Perfluoroheptanoic acid (PFHpA)	2.0	U	2.0	0.25	ng/L		04/28/18 11:02	04/29/18 16:10	1
Perfluorohexanesulfonic acid (PFHxS)	0.73	J B	2.0	0.17	ng/L		04/28/18 11:02	04/29/18 16:10	1
Perfluorohexanoic acid (PFHxA)	2.0	U	2.0	0.57	ng/L		04/28/18 11:02	04/29/18 16:10	1
Perfluorononanoic acid (PFNA)	2.0	U	2.0	0.27	ng/L		04/28/18 11:02	04/29/18 16:10	1
Perfluorooctane Sulfonamide (FOSA)	2.0	U	2.0	0.34	ng/L		04/28/18 11:02	04/29/18 16:10	1
Perfluorooctanesulfonic acid (PFOS)	1.4	J	2.0	0.53	ng/L		04/28/18 11:02	04/29/18 16:10	1
Perfluorooctanoic acid (PFOA)	1.3	J B	2.0	0.83	ng/L		04/28/18 11:02	04/29/18 16:10	1
Perfluoropentanoic acid (PFPeA)	2.0	U	2.0	0.48	ng/L		04/28/18 11:02	04/29/18 16:10	1
Perfluorotetradecanoic acid (PFTeA)	2.0	U	2.0	0.28	ng/L		04/28/18 11:02	04/29/18 16:10	1
Perfluorotridecanoic Acid (PFTriA)	2.0	U	2.0	1.3	ng/L		04/28/18 11:02	04/29/18 16:10	1
Perfluoroundecanoic acid (PFUnA)	2.0	U	2.0	1.1	ng/L		04/28/18 11:02	04/29/18 16:10	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C2 PFDA	90		25 - 150	04/28/18 11:02	04/29/18 16:10	1
13C2 PFDoA	83		25 - 150	04/28/18 11:02	04/29/18 16:10	1
13C2 PFHxA	85		25 - 150	04/28/18 11:02	04/29/18 16:10	1
13C2 PFUnA	85		25 - 150	04/28/18 11:02	04/29/18 16:10	1
13C2-PFTeDA	90		25 - 150	04/28/18 11:02	04/29/18 16:10	1
13C3-PFBS	89		25 - 150	04/28/18 11:02	04/29/18 16:10	1
13C4 PFBA	53		25 - 150	04/28/18 11:02	04/29/18 16:10	1
13C4 PFOA	94		25 - 150	04/28/18 11:02	04/29/18 16:10	1
13C4 PFOS	87		25 - 150	04/28/18 11:02	04/29/18 16:10	1
13C4-PFHpA	87		25 - 150	04/28/18 11:02	04/29/18 16:10	1
13C5 PFNA	92		25 - 150	04/28/18 11:02	04/29/18 16:10	1
13C5 PFPeA	78		25 - 150	04/28/18 11:02	04/29/18 16:10	1
13C8 FOSA	83		25 - 150	04/28/18 11:02	04/29/18 16:10	1
18O2 PFHxS	92		25 - 150	04/28/18 11:02	04/29/18 16:10	1
d3-NMeFOSAA	88		25 - 150	04/28/18 11:02	04/29/18 16:10	1
d5-NEtFOSAA	95		25 - 150	04/28/18 11:02	04/29/18 16:10	1
M2-6:2FTS	163	*	25 - 150	04/28/18 11:02	04/29/18 16:10	1
M2-8:2FTS	115		25 - 150	04/28/18 11:02	04/29/18 16:10	1

TestAmerica Buffalo

Client Sample Results

Client: Pace Analytical Services, LLC
 Project/Site: FORMER COYNE TEXTILE FACILITY

TestAmerica Job ID: 480-134734-1

Client Sample ID: GW 103D

Lab Sample ID: 480-134734-3

Date Collected: 04/19/18 11:50

Matrix: Water

Date Received: 04/24/18 09:40

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
6:2FTS	33		20	2.0	ng/L		04/28/18 11:02	04/29/18 16:18	1
8:2FTS	20	U	20	2.0	ng/L		04/28/18 11:02	04/29/18 16:18	1
N-ethyl perfluorooctane sulfonamidoacetic acid (NEtFOSAA)	20	U	20	1.9	ng/L		04/28/18 11:02	04/29/18 16:18	1
N-methyl perfluorooctane sulfonamidoacetic acid (NMeFOSAA)	20	U	20	3.1	ng/L		04/28/18 11:02	04/29/18 16:18	1
Perfluorobutanesulfonic acid (PFBS)	14		2.0	0.20	ng/L		04/28/18 11:02	04/29/18 16:18	1
Perfluorobutanoic acid (PFBA)	330		2.0	0.35	ng/L		04/28/18 11:02	04/29/18 16:18	1
Perfluorodecanesulfonic acid (PFDS)	2.0	U	2.0	0.32	ng/L		04/28/18 11:02	04/29/18 16:18	1
Perfluorodecanoic acid (PFDA)	2.1		2.0	0.31	ng/L		04/28/18 11:02	04/29/18 16:18	1
Perfluorododecanoic acid (PFDoA)	2.0	U	2.0	0.55	ng/L		04/28/18 11:02	04/29/18 16:18	1
Perfluoroheptanesulfonic Acid (PFHpS)	24		2.0	0.19	ng/L		04/28/18 11:02	04/29/18 16:18	1
Perfluoroheptanoic acid (PFHpA)	160		2.0	0.25	ng/L		04/28/18 11:02	04/29/18 16:18	1
Perfluorohexanesulfonic acid (PFHxS)	25 B		2.0	0.17	ng/L		04/28/18 11:02	04/29/18 16:18	1
Perfluorohexanoic acid (PFHxA)	350		2.0	0.58	ng/L		04/28/18 11:02	04/29/18 16:18	1
Perfluorononanoic acid (PFNA)	75		2.0	0.27	ng/L		04/28/18 11:02	04/29/18 16:18	1
Perfluorooctane Sulfonamide (FOSA)	2.0	U	2.0	0.35	ng/L		04/28/18 11:02	04/29/18 16:18	1
Perfluorooctanoic acid (PFOA)	300 B		2.0	0.85	ng/L		04/28/18 11:02	04/29/18 16:18	1
Perfluoropentanoic acid (PFPeA)	360		2.0	0.49	ng/L		04/28/18 11:02	04/29/18 16:18	1
Perfluorotetradecanoic acid (PFTeA)	2.0	U	2.0	0.29	ng/L		04/28/18 11:02	04/29/18 16:18	1
Perfluorotridecanoic Acid (PFTriA)	2.0	U	2.0	1.3	ng/L		04/28/18 11:02	04/29/18 16:18	1
Perfluoroundecanoic acid (PFUnA)	2.0	U	2.0	1.1	ng/L		04/28/18 11:02	04/29/18 16:18	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C2 PFDA	119		25 - 150	04/28/18 11:02	04/29/18 16:18	1
13C2 PFDoA	97		25 - 150	04/28/18 11:02	04/29/18 16:18	1
13C2 PFHxA	64		25 - 150	04/28/18 11:02	04/29/18 16:18	1
13C2 PFUnA	111		25 - 150	04/28/18 11:02	04/29/18 16:18	1
13C2-PFTeDA	98		25 - 150	04/28/18 11:02	04/29/18 16:18	1
13C3-PFBS	95		25 - 150	04/28/18 11:02	04/29/18 16:18	1
13C4 PFBA	31		25 - 150	04/28/18 11:02	04/29/18 16:18	1
13C4 PFOA	95		25 - 150	04/28/18 11:02	04/29/18 16:18	1
13C4 PFOS	101		25 - 150	04/28/18 11:02	04/29/18 16:18	1
13C4-PFHpA	76		25 - 150	04/28/18 11:02	04/29/18 16:18	1
13C5 PFNA	92		25 - 150	04/28/18 11:02	04/29/18 16:18	1
13C5 PFPeA	54		25 - 150	04/28/18 11:02	04/29/18 16:18	1
13C8 FOSA	106		25 - 150	04/28/18 11:02	04/29/18 16:18	1
18O2 PFHxS	102		25 - 150	04/28/18 11:02	04/29/18 16:18	1
d3-NMeFOSAA	110		25 - 150	04/28/18 11:02	04/29/18 16:18	1
d5-NEtFOSAA	131		25 - 150	04/28/18 11:02	04/29/18 16:18	1
M2-6:2FTS	292	*	25 - 150	04/28/18 11:02	04/29/18 16:18	1
M2-8:2FTS	276	*	25 - 150	04/28/18 11:02	04/29/18 16:18	1

Method: 537 (modified) - Fluorinated Alkyl Substances - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorooctanesulfonic acid (PFOS)	2000		20	5.4	ng/L		04/28/18 11:02	04/30/18 10:49	10

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFOS	88		25 - 150	04/28/18 11:02	04/30/18 10:49	10

TestAmerica Buffalo

Isotope Dilution Summary

Client: Pace Analytical Services, LLC
 Project/Site: FORMER COYNE TEXTILE FACILITY

TestAmerica Job ID: 480-134734-1

Method: 537 (modified) - Fluorinated Alkyl Substances

Matrix: Water

Prep Type: Total/NA

Percent Isotope Dilution Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	PFDA (25-150)	PFDoA (25-150)	PFHxA (25-150)	PFUnA (25-150)	PFTDA (25-150)	3C3-PFBs (25-150)	PFBA (25-150)	PFOA (25-150)
480-134734-1	GW 105D	95	88	84	88	92	90	49	97
480-134734-2	GW 104	90	83	85	85	90	89	53	94
480-134734-3	GW 103D	119	97	64	111	98	95	31	95
480-134734-3 - DL	GW 103D								
LCS 320-220407/2-A	Lab Control Sample	98	93	97	92	97	97	98	95
LCSD 320-220407/3-A	Lab Control Sample Dup	92	86	97	89	97	96	97	95
MB 320-220407/1-A	Method Blank	98	89	96	91	95	93	98	101

Percent Isotope Dilution Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	PFOS (25-150)	PFHpA (25-150)	PFNA (25-150)	PFPeA (25-150)	PFOSA (25-150)	PFHxS (25-150)	d3-NMeFOSAA (25-150)	d5-NEtFOSAA (25-150)
480-134734-1	GW 105D	94	95	94	80	92	94	89	90
480-134734-2	GW 104	87	87	92	78	83	92	88	95
480-134734-3	GW 103D	101	76	92	54	106	102	110	131
480-134734-3 - DL	GW 103D	88							
LCS 320-220407/2-A	Lab Control Sample	93	97	95	97	89	92	90	93
LCSD 320-220407/3-A	Lab Control Sample Dup	91	95	94	103	86	95	87	88
MB 320-220407/1-A	Method Blank	93	95	93	99	89	97	86	98

Percent Isotope Dilution Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	M262FTS (25-150)	M282FTS (25-150)
480-134734-1	GW 105D	129	112
480-134734-2	GW 104	163 *	115
480-134734-3	GW 103D	292 *	276 *
480-134734-3 - DL	GW 103D		
LCS 320-220407/2-A	Lab Control Sample	99	107
LCSD 320-220407/3-A	Lab Control Sample Dup	103	98
MB 320-220407/1-A	Method Blank	105	105

Surrogate Legend

- PFDA = 13C2 PFDA
- PFDoA = 13C2 PFDoA
- PFHxA = 13C2 PFHxA
- PFUnA = 13C2 PFUnA
- PFTDA = 13C2-PFTeDA
- 13C3-PFBS = 13C3-PFBS
- PFBA = 13C4 PFBA
- PFOA = 13C4 PFOA
- PFOS = 13C4 PFOS
- PFHpA = 13C4-PFHpA
- PFNA = 13C5 PFNA
- PFPeA = 13C5 PFPeA
- PFOSA = 13C8 FOSA
- PFHxS = 18O2 PFHxS
- d3-NMeFOSAA = d3-NMeFOSAA
- d5-NEtFOSAA = d5-NEtFOSAA
- M262FTS = M2-6:2FTS
- M282FTS = M2-8:2FTS

QC Sample Results

Client: Pace Analytical Services, LLC
 Project/Site: FORMER COYNE TEXTILE FACILITY

TestAmerica Job ID: 480-134734-1

Method: 537 (modified) - Fluorinated Alkyl Substances

Lab Sample ID: MB 320-220407/1-A

Matrix: Water

Analysis Batch: 220540

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 220407

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
6:2FTS	20	U	20	2.0	ng/L		04/28/18 11:02	04/29/18 13:57	1
8:2FTS	20	U	20	2.0	ng/L		04/28/18 11:02	04/29/18 13:57	1
N-ethyl perfluorooctane sulfonamidoacetic acid (NEtFOSAA)	20	U	20	1.9	ng/L		04/28/18 11:02	04/29/18 13:57	1
N-methyl perfluorooctane sulfonamidoacetic acid (NMeFOSAA)	20	U	20	3.1	ng/L		04/28/18 11:02	04/29/18 13:57	1
Perfluorobutanesulfonic acid (PFBS)	2.0	U	2.0	0.20	ng/L		04/28/18 11:02	04/29/18 13:57	1
Perfluorobutanoic acid (PFBA)	2.0	U	2.0	0.35	ng/L		04/28/18 11:02	04/29/18 13:57	1
Perfluorodecanesulfonic acid (PFDS)	2.0	U	2.0	0.32	ng/L		04/28/18 11:02	04/29/18 13:57	1
Perfluorodecanoic acid (PFDA)	2.0	U	2.0	0.31	ng/L		04/28/18 11:02	04/29/18 13:57	1
Perfluorododecanoic acid (PFDoA)	2.0	U	2.0	0.55	ng/L		04/28/18 11:02	04/29/18 13:57	1
Perfluoroheptanesulfonic Acid (PFHpS)	2.0	U	2.0	0.19	ng/L		04/28/18 11:02	04/29/18 13:57	1
Perfluoroheptanoic acid (PFHpA)	2.0	U	2.0	0.25	ng/L		04/28/18 11:02	04/29/18 13:57	1
Perfluorohexanesulfonic acid (PFHxS)	0.244	J	2.0	0.17	ng/L		04/28/18 11:02	04/29/18 13:57	1
Perfluorohexanoic acid (PFHxA)	2.0	U	2.0	0.58	ng/L		04/28/18 11:02	04/29/18 13:57	1
Perfluorononanoic acid (PFNA)	2.0	U	2.0	0.27	ng/L		04/28/18 11:02	04/29/18 13:57	1
Perfluorooctane Sulfonamide (FOSA)	2.0	U	2.0	0.35	ng/L		04/28/18 11:02	04/29/18 13:57	1
Perfluorooctanesulfonic acid (PFOS)	2.0	U	2.0	0.54	ng/L		04/28/18 11:02	04/29/18 13:57	1
Perfluorooctanoic acid (PFOA)	0.901	J	2.0	0.85	ng/L		04/28/18 11:02	04/29/18 13:57	1
Perfluoropentanoic acid (PFPeA)	2.0	U	2.0	0.49	ng/L		04/28/18 11:02	04/29/18 13:57	1
Perfluorotetradecanoic acid (PFTeA)	2.0	U	2.0	0.29	ng/L		04/28/18 11:02	04/29/18 13:57	1
Perfluorotridecanoic Acid (PFTriA)	2.0	U	2.0	1.3	ng/L		04/28/18 11:02	04/29/18 13:57	1
Perfluoroundecanoic acid (PFUnA)	2.0	U	2.0	1.1	ng/L		04/28/18 11:02	04/29/18 13:57	1

Isotope Dilution	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C2 PFDA	98		25 - 150	04/28/18 11:02	04/29/18 13:57	1
13C2 PFDoA	89		25 - 150	04/28/18 11:02	04/29/18 13:57	1
13C2 PFHxA	96		25 - 150	04/28/18 11:02	04/29/18 13:57	1
13C2 PFUnA	91		25 - 150	04/28/18 11:02	04/29/18 13:57	1
13C2-PFTeDA	95		25 - 150	04/28/18 11:02	04/29/18 13:57	1
13C3-PFBS	93		25 - 150	04/28/18 11:02	04/29/18 13:57	1
13C4 PFBA	98		25 - 150	04/28/18 11:02	04/29/18 13:57	1
13C4 PFOA	101		25 - 150	04/28/18 11:02	04/29/18 13:57	1
13C4 PFOS	93		25 - 150	04/28/18 11:02	04/29/18 13:57	1
13C4-PFHpA	95		25 - 150	04/28/18 11:02	04/29/18 13:57	1
13C5 PFNA	93		25 - 150	04/28/18 11:02	04/29/18 13:57	1
13C5 PFPeA	99		25 - 150	04/28/18 11:02	04/29/18 13:57	1
13C8 FOSA	89		25 - 150	04/28/18 11:02	04/29/18 13:57	1
18O2 PFHxS	97		25 - 150	04/28/18 11:02	04/29/18 13:57	1
d3-NMeFOSAA	86		25 - 150	04/28/18 11:02	04/29/18 13:57	1
d5-NEtFOSAA	98		25 - 150	04/28/18 11:02	04/29/18 13:57	1
M2-6:2FTS	105		25 - 150	04/28/18 11:02	04/29/18 13:57	1
M2-8:2FTS	105		25 - 150	04/28/18 11:02	04/29/18 13:57	1

TestAmerica Buffalo

QC Sample Results

Client: Pace Analytical Services, LLC
 Project/Site: FORMER COYNE TEXTILE FACILITY

TestAmerica Job ID: 480-134734-1

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Lab Sample ID: LCS 320-220407/2-A
 Matrix: Water
 Analysis Batch: 220540

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA
 Prep Batch: 220407

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
6:2FTS	37.9	39.2		ng/L		103	66 - 126
8:2FTS	38.3	36.3		ng/L		95	67 - 127
N-ethyl perfluorooctane sulfonamidoacetic acid (NEtFOSAA)	40.0	38.7		ng/L		97	65 - 125
N-methyl perfluorooctane sulfonamidoacetic acid (NMeFOSAA)	40.0	41.4		ng/L		103	67 - 127
Perfluorobutanesulfonic acid (PFBS)	35.4	34.2		ng/L		97	73 - 133
Perfluorobutanoic acid (PFBA)	40.0	40.3		ng/L		101	70 - 130
Perfluorodecanesulfonic acid (PFDS)	38.6	38.0		ng/L		99	68 - 128
Perfluorodecanoic acid (PFDA)	40.0	36.0		ng/L		90	69 - 129
Perfluorododecanoic acid (PFDoA)	40.0	38.7		ng/L		97	71 - 131
Perfluoroheptanesulfonic Acid (PFHpS)	38.1	36.8		ng/L		97	68 - 128
Perfluoroheptanoic acid (PFHpA)	40.0	41.4		ng/L		104	66 - 126
Perfluorohexanesulfonic acid (PFHxS)	36.4	34.5		ng/L		95	63 - 123
Perfluorohexanoic acid (PFHxA)	40.0	39.1		ng/L		98	66 - 126
Perfluorononanoic acid (PFNA)	40.0	38.4		ng/L		96	68 - 128
Perfluorooctane Sulfonamide (FOSA)	40.0	36.3		ng/L		91	70 - 130
Perfluorooctanesulfonic acid (PFOS)	37.1	36.7		ng/L		99	67 - 127
Perfluorooctanoic acid (PFOA)	40.0	38.3		ng/L		96	64 - 124
Perfluoropentanoic acid (PFPeA)	40.0	38.0		ng/L		95	66 - 126
Perfluorotetradecanoic acid (PFTeA)	40.0	35.8		ng/L		90	68 - 128
Perfluorotridecanoic Acid (PFTriA)	40.0	35.9		ng/L		90	72 - 132
Perfluoroundecanoic acid (PFUnA)	40.0	35.8		ng/L		90	60 - 120

Isotope Dilution	LCS %Recovery	LCS Qualifier	Limits
13C2 PFDA	98		25 - 150
13C2 PFDoA	93		25 - 150
13C2 PFHxA	97		25 - 150
13C2 PFUnA	92		25 - 150
13C2-PFTeA	97		25 - 150
13C3-PFBS	97		25 - 150
13C4 PFBA	98		25 - 150
13C4 PFOA	95		25 - 150
13C4 PFOS	93		25 - 150
13C4-PFHxA	97		25 - 150
13C5 PFNA	95		25 - 150
13C5 PFPeA	97		25 - 150
13C8 FOSA	89		25 - 150
18O2 PFHxS	92		25 - 150

QC Sample Results

Client: Pace Analytical Services, LLC
 Project/Site: FORMER COYNE TEXTILE FACILITY

TestAmerica Job ID: 480-134734-1

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Lab Sample ID: LCS 320-220407/2-A
Matrix: Water
Analysis Batch: 220540

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 220407

<i>Isotope Dilution</i>	<i>LCS %Recovery</i>	<i>LCS Qualifier</i>	<i>Limits</i>
d3-NMeFOSAA	90		25 - 150
d5-NEtFOSAA	93		25 - 150
M2-6:2FTS	99		25 - 150
M2-8:2FTS	107		25 - 150

Lab Sample ID: LCSD 320-220407/3-A
Matrix: Water
Analysis Batch: 220540

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 220407

<i>Analyte</i>	<i>Spike Added</i>	<i>LCSD Result</i>	<i>LCSD Qualifier</i>	<i>Unit</i>	<i>D</i>	<i>%Rec</i>	<i>%Rec. Limits</i>	<i>RPD</i>	<i>RPD Limit</i>
6:2FTS	37.9	37.7		ng/L		99	66 - 126	4	30
8:2FTS	38.3	39.7		ng/L		104	67 - 127	9	30
N-ethyl perfluorooctane sulfonamidoacetic acid (NEtFOSAA)	40.0	41.2		ng/L		103	65 - 125	6	30
N-methyl perfluorooctane sulfonamidoacetic acid (NMeFOSAA)	40.0	42.0		ng/L		105	67 - 127	2	30
Perfluorobutanesulfonic acid (PFBS)	35.4	34.9		ng/L		99	73 - 133	2	30
Perfluorobutanoic acid (PFBA)	40.0	40.8		ng/L		102	70 - 130	1	30
Perfluorodecanesulfonic acid (PFDS)	38.6	38.3		ng/L		99	68 - 128	1	30
Perfluorodecanoic acid (PFDA)	40.0	39.5		ng/L		99	69 - 129	9	30
Perfluorododecanoic acid (PFDoA)	40.0	41.9		ng/L		105	71 - 131	8	30
Perfluoroheptanesulfonic Acid (PFHpS)	38.1	36.5		ng/L		96	68 - 128	1	30
Perfluoroheptanoic acid (PFHpA)	40.0	41.9		ng/L		105	66 - 126	1	30
Perfluorohexanesulfonic acid (PFHxS)	36.4	31.6		ng/L		87	63 - 123	9	30
Perfluorohexanoic acid (PFHxA)	40.0	38.9		ng/L		97	66 - 126	0	30
Perfluorononanoic acid (PFNA)	40.0	37.7		ng/L		94	68 - 128	2	30
Perfluorooctane Sulfonamide (FOSA)	40.0	36.8		ng/L		92	70 - 130	1	30
Perfluorooctanesulfonic acid (PFOS)	37.1	37.8		ng/L		102	67 - 127	3	30
Perfluorooctanoic acid (PFOA)	40.0	37.5		ng/L		94	64 - 124	2	30
Perfluoropentanoic acid (PFPeA)	40.0	35.1		ng/L		88	66 - 126	8	30
Perfluorotetradecanoic acid (PFTeA)	40.0	36.3		ng/L		91	68 - 128	1	30
Perfluorotridecanoic Acid (PFTriA)	40.0	38.0		ng/L		95	72 - 132	6	30
Perfluoroundecanoic acid (PFUnA)	40.0	39.0		ng/L		97	60 - 120	8	30

<i>Isotope Dilution</i>	<i>LCSD %Recovery</i>	<i>LCSD Qualifier</i>	<i>Limits</i>
13C2 PFDA	92		25 - 150
13C2 PFDoA	86		25 - 150
13C2 PFHxA	97		25 - 150
13C2 PFUnA	89		25 - 150
13C2-PFTeDA	97		25 - 150

TestAmerica Buffalo

QC Sample Results

Client: Pace Analytical Services, LLC
Project/Site: FORMER COYNE TEXTILE FACILITY

TestAmerica Job ID: 480-134734-1

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Lab Sample ID: LCSD 320-220407/3-A

Matrix: Water

Analysis Batch: 220540

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 220407

<i>Isotope Dilution</i>	<i>LCSD</i>		<i>Limits</i>
	<i>%Recovery</i>	<i>Qualifier</i>	
13C3-PFBS	96		25 - 150
13C4 PFBA	97		25 - 150
13C4 PFOA	95		25 - 150
13C4 PFOS	91		25 - 150
13C4-PFHpA	95		25 - 150
13C5 PFNA	94		25 - 150
13C5 PFPeA	103		25 - 150
13C8 FOSA	86		25 - 150
18O2 PFHxS	95		25 - 150
d3-NMeFOSAA	87		25 - 150
d5-NEtFOSAA	88		25 - 150
M2-6:2FTS	103		25 - 150
M2-8:2FTS	98		25 - 150

QC Association Summary

Client: Pace Analytical Services, LLC
Project/Site: FORMER COYNE TEXTILE FACILITY

TestAmerica Job ID: 480-134734-1

LCMS

Prep Batch: 220407

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-134734-1	GW 105D	Total/NA	Water	3535	
480-134734-2	GW 104	Total/NA	Water	3535	
480-134734-3	GW 103D	Total/NA	Water	3535	
480-134734-3 - DL	GW 103D	Total/NA	Water	3535	
MB 320-220407/1-A	Method Blank	Total/NA	Water	3535	
LCS 320-220407/2-A	Lab Control Sample	Total/NA	Water	3535	
LCSD 320-220407/3-A	Lab Control Sample Dup	Total/NA	Water	3535	

Analysis Batch: 220540

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-134734-1	GW 105D	Total/NA	Water	537 (modified)	220407
480-134734-2	GW 104	Total/NA	Water	537 (modified)	220407
480-134734-3	GW 103D	Total/NA	Water	537 (modified)	220407
MB 320-220407/1-A	Method Blank	Total/NA	Water	537 (modified)	220407
LCS 320-220407/2-A	Lab Control Sample	Total/NA	Water	537 (modified)	220407
LCSD 320-220407/3-A	Lab Control Sample Dup	Total/NA	Water	537 (modified)	220407

Analysis Batch: 220620

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-134734-3 - DL	GW 103D	Total/NA	Water	537 (modified)	220407

Lab Chronicle

Client: Pace Analytical Services, LLC
 Project/Site: FORMER COYNE TEXTILE FACILITY

TestAmerica Job ID: 480-134734-1

Client Sample ID: GW 105D

Date Collected: 04/19/18 09:30

Date Received: 04/24/18 09:40

Lab Sample ID: 480-134734-1

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			220407	04/28/18 11:02	KMK	TAL SAC
Total/NA	Analysis	537 (modified)		1	220540	04/29/18 16:02	JRB	TAL SAC

Client Sample ID: GW 104

Date Collected: 04/19/18 10:40

Date Received: 04/24/18 09:40

Lab Sample ID: 480-134734-2

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			220407	04/28/18 11:02	KMK	TAL SAC
Total/NA	Analysis	537 (modified)		1	220540	04/29/18 16:10	JRB	TAL SAC

Client Sample ID: GW 103D

Date Collected: 04/19/18 11:50

Date Received: 04/24/18 09:40

Lab Sample ID: 480-134734-3

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			220407	04/28/18 11:02	KMK	TAL SAC
Total/NA	Analysis	537 (modified)		1	220540	04/29/18 16:18	JRB	TAL SAC
Total/NA	Prep	3535	DL		220407	04/28/18 11:02	KMK	TAL SAC
Total/NA	Analysis	537 (modified)	DL	10	220620	04/30/18 10:49	JRB	TAL SAC

Laboratory References:

TAL SAC = TestAmerica Sacramento, 880 Riverside Parkway, West Sacramento, CA 95605, TEL (916)373-5600

Accreditation/Certification Summary

Client: Pace Analytical Services, LLC
 Project/Site: FORMER COYNE TEXTILE FACILITY

TestAmerica Job ID: 480-134734-1

Laboratory: TestAmerica Buffalo

The accreditations/certifications listed below are applicable to this report.

Authority	Program	EPA Region	Identification Number	Expiration Date
New York	NELAP	2	10026	03-31-18 *

Laboratory: TestAmerica Sacramento

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

Authority	Program	EPA Region	Identification Number	Expiration Date
Alaska (UST)	State Program	10	17-020	01-20-21
Arizona	State Program	9	AZ0708	08-11-18
Arkansas DEQ	State Program	6	88-0691	06-17-19
California	State Program	9	2897	01-31-19
Colorado	State Program	8	CA00044	08-31-18
Connecticut	State Program	1	PH-0691	06-30-19
Florida	NELAP	4	E87570	06-30-18
Georgia	State Program	4	N/A	01-28-19
Hawaii	State Program	9	N/A	01-29-19
Illinois	NELAP	5	200060	03-17-19
Kansas	NELAP	7	E-10375	10-31-18
L-A-B	DoD ELAP		L2468	01-20-21
Louisiana	NELAP	6	30612	06-30-18
Maine	State Program	1	CA0004	04-14-20
Michigan	State Program	5	9947	01-31-20
Nevada	State Program	9	CA00044	07-31-18
New Hampshire	NELAP	1	2997	04-18-19
New Jersey	NELAP	2	CA005	06-30-18
New York	NELAP	2	11666	03-31-19
Oregon	NELAP	10	4040	01-29-19
Pennsylvania	NELAP	3	68-01272	03-31-19
Texas	NELAP	6	T104704399	05-31-18
US Fish & Wildlife	Federal		LE148388-0	07-31-18
USDA	Federal		P330-11-00436	01-17-21
USEPA UCMR	Federal	1	CA00044	11-06-18
Utah	NELAP	8	CA00044	02-28-19
Virginia	NELAP	3	460278	03-14-19
Washington	State Program	10	C581	05-05-18
West Virginia (DW)	State Program	3	9930C	12-31-18
Wyoming	State Program	8	8TMS-L	01-28-19

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

Method Summary

Client: Pace Analytical Services, LLC
Project/Site: FORMER COYNE TEXTILE FACILITY

TestAmerica Job ID: 480-134734-1

Method	Method Description	Protocol	Laboratory
537 (modified)	Fluorinated Alkyl Substances	EPA	TAL SAC
3535	Solid-Phase Extraction (SPE)	SW846	TAL SAC

Protocol References:

EPA = US Environmental Protection Agency

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

Laboratory References:

TAL SAC = TestAmerica Sacramento, 880 Riverside Parkway, West Sacramento, CA 95605, TEL (916)373-5600

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Sample Summary

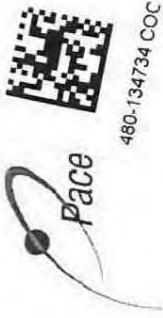
Client: Pace Analytical Services, LLC
Project/Site: FORMER COYNE TEXTILE FACILITY

TestAmerica Job ID: 480-134734-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-134734-1	GW 105D	Water	04/19/18 09:30	04/24/18 09:40
480-134734-2	GW 104	Water	04/19/18 10:40	04/24/18 09:40
480-134734-3	GW 103D	Water	04/19/18 11:50	04/24/18 09:40

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Chain of Custody



Workorder: 7049093 Workorder Name: FORMER COYNE TEXTILE FACILITY Results Requested By: 4/27/2018

Report / Invoice To Subcontract To

James Murphy
 Pace Analytical New York
 2190 Technology Drive
 Schenectady, NY 12308
 Phone (518)346-4592
 Email: james.murphy@pacelabs.com

TA- Buff P.O. _____

Item	Sample ID	Collect Date/Time	Lab ID	Matrix	Preserved Containers	
					Unpreserved	Preserved
1	GW 105D	4/19/2018 08:30	7049093001	Water		
2	GW 104	4/19/2018 10:40	7049093003	Water		
3	GW 103D	4/19/2018 11:50	7049093004	Water		
4						
5						

P.F.A.S

LAB USE ONLY

Transfers	Released By	Date/Time	Received By	Date/Time	Received on Ice	Y or N	Y or N	Y or N	Comments
1	<i>James Pelt</i>	4/23/18 1800	<i>James Pelt</i>	4/24/18					
2									#1 2.7
3									0940

Cooler Temperature on Receipt °C Custody Seal Y or N Received on Ice Y or N Samples Intact Y or N





Client Information (Sub Contract Lab) Client Contact: Schove, John R Shipping/Receiving: john.schove@testamericainc.com Company: TestAmerica Laboratories, Inc. Address: 880 Riverside Parkway, West Sacramento, CA, 95605 Phone: 916-373-5600(Tel) 916-372-1059(Fax) Email: Project Name: Pace Analytical, Melville, NY Site:		Lab PM: Schove, John R E-Mail: john.schove@testamericainc.com Accreditations Required (See note): NELAP - New York State of Origin: New York Carrier Tracking No(s): COC No: 480-41690.1 Page: Page 1 of 1 Job #: 480-134734-1	
Due Date Requested: 5/4/2018 TAT Requested (days): PO #: WO #: Project #: 48017701 SOW#:		Analysis Requested Total Number of Containers:	
Sample Date Sample Time Sample Type (C=Comp, G=grab) Matrix (W=water, S=solid, O=organic, BT=Tissue, A=Air) Preservation Code Field Filtered Sample (Yes or No) Perform MS/MSD (Yes or No) PFC (DA/3335, PFC PFAS, Standard List (21) Analytes		Preservation Codes: M - Hexane N - None O - AsNaO2 P - Na2O4S Q - Na2SO3 R - Na2SSO3 S - H2SO4 T - TSP Dodecahydrate U - Acetone V - MCAA W - pH 4-5 Z - other (specify) A - HCL B - NaOH C - Zn Acetate D - Nitric Acid E - NaHSO4 F - MeOH G - Amchlor H - Ascorbic Acid I - Ice J - DI Water K - EDTA L - EDA Other:	
Sample Identification - Client ID (Lab ID) GW 105D (480-134734-1) GW 104 (480-134734-2) GW 103D (480-134734-3)		Special Instructions/Note: 2 2 2	

Note: Since laboratory accreditations are subject to change, TestAmerica Laboratories, Inc. places the ownership of method, analyte & accreditation compliance upon out subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/test/matrix being analyzed, the samples must be shipped back to the TestAmerica laboratory or other instructions will be provided. Any changes to accreditation status should be brought to TestAmerica Laboratories, Inc. attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to TestAmerica Laboratories, Inc.

Possible Hazard Identification
 Unconfirmed
 Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2
 Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
 Return To Client Disposal By Lab Archive For _____ Months
 Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:
Relinquished by: <i>[Signature]</i>	4/24/18	1630	Company: TA-Sal
Relinquished by:	Date/Time:	Received by: <i>[Signature]</i>	Company:
Relinquished by:	Date/Time:	Received by:	Company:
Custody Seals Intact: Δ Yes Δ No	Custody Seal No.: 1.0		Cooler Temperature(s) °C and Other Remarks:



TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING



480-134734 Field Sheet

Job: _____

Tracking # 4270 0710 7608 SO / PO / FO

Use this form to record Sample Custody Seal, Cooler Custody Seal, Temperature & corrected Temperature & other observations. File in the job folder with the COC.

<p>Notes: _____</p> <p>_____</p> <p>_____</p> <p>_____</p> <p>_____</p> <p>_____</p> <p>_____</p> <p>_____</p> <p>_____</p> <p>_____</p> <p>_____</p> <p>_____</p> <p>_____</p> <p>_____</p> <p>_____</p> <p>_____</p> <p>_____</p> <p>_____</p> <p>_____</p> <p>_____</p> <p>_____</p> <p>_____</p>	<p>Therm. ID: <u>AK-2 / AK-3 / AK-4 / AK-5</u> / HACCP / Other _____</p> <p>Ice <input checked="" type="checkbox"/> Wet <input checked="" type="checkbox"/> Gel _____ Other _____</p> <p>Cooler Custody Seal: <u>Seal</u></p> <p>Sample Custody Seal: <u>—</u></p> <p>Cooler ID: <u>—</u></p> <p>Temp: Observed <u>1.0</u></p> <p>From: Temp Blank <input type="checkbox"/> Sample <input checked="" type="checkbox"/></p> <p>NCM Filed: Yes <input type="checkbox"/> No <input type="checkbox"/></p> <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;"></th> <th style="text-align: center;">Yes</th> <th style="text-align: center;">No</th> <th style="text-align: center;">NA</th> </tr> </thead> <tbody> <tr><td>Perchlorate has headspace?</td><td style="text-align: center;"><input type="checkbox"/></td><td style="text-align: center;"><input type="checkbox"/></td><td style="text-align: center;"><input checked="" type="checkbox"/></td></tr> <tr><td>CoC is complete w/o discrepancies?</td><td style="text-align: center;"><input checked="" type="checkbox"/></td><td style="text-align: center;"><input type="checkbox"/></td><td style="text-align: center;"><input type="checkbox"/></td></tr> <tr><td>Samples received within holding time?</td><td style="text-align: center;"><input checked="" type="checkbox"/></td><td style="text-align: center;"><input type="checkbox"/></td><td style="text-align: center;"><input type="checkbox"/></td></tr> <tr><td>Sample preservatives verified?</td><td style="text-align: center;"><input type="checkbox"/></td><td style="text-align: center;"><input type="checkbox"/></td><td style="text-align: center;"><input checked="" type="checkbox"/></td></tr> <tr><td>Cooler compromised/tampered with?</td><td style="text-align: center;"><input type="checkbox"/></td><td style="text-align: center;"><input checked="" type="checkbox"/></td><td style="text-align: center;"><input type="checkbox"/></td></tr> <tr><td>Samples compromised/tampered 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type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Samples received within holding time?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Sample preservatives verified?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Cooler compromised/tampered with?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Samples compromised/tampered with?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Samples w/o discrepancies?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Sample containers have legible labels?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Containers are not broken or leaking?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Sample date/times are provided.	<input checked="" type="checkbox"/>	<input 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Login Sample Receipt Checklist

Client: Pace Analytical Services, LLC

Job Number: 480-134734-1

Login Number: 134734

List Source: TestAmerica Buffalo

List Number: 1

Creator: Harper, Marcus D

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time (Excluding tests with immediate HTs)..	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	True	PACE
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	N/A	
Chlorine Residual checked.	N/A	

Login Sample Receipt Checklist

Client: Pace Analytical Services, LLC

Job Number: 480-134734-1

Login Number: 134734
List Number: 2
Creator: Gooch, Mayce

List Source: TestAmerica Sacramento
List Creation: 04/25/18 12:08 PM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	0.1c
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	False	Received project as a subcontract.
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.

TestAmerica Buffalo

10 Hazelwood Drive

Amherst, NY 14228-2298

Tel: (716)691-2600

TestAmerica Job ID: 480-134733-1

Client Project/Site: FORMER COYNE TEXTILE FACILITY

For:

Pace Analytical Services, LLC

575 Broad Hollow Road

Melville, New York 11747

Attn: James Murphy



Authorized for release by:

5/10/2018 12:01:13 PM

Rebecca Jones, Project Management Assistant I

rebecca.jones@testamericainc.com

Designee for

John Schove, Project Manager II

(716)504-9838

john.schove@testamericainc.com

LINKS

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www.testamericainc.com

The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

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

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

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Definitions/Glossary

Client: Pace Analytical Services, LLC
Project/Site: FORMER COYNE TEXTILE FACILITY

TestAmerica Job ID: 480-134733-1

Qualifiers

GC/MS Semi VOA

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.
E	Result exceeded calibration range.

Glossary

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

Case Narrative

Client: Pace Analytical Services, LLC
Project/Site: FORMER COYNE TEXTILE FACILITY

TestAmerica Job ID: 480-134733-1

Job ID: 480-134733-1

Laboratory: TestAmerica Buffalo

Narrative

**Job Narrative
480-134733-1**

Comments

No additional comments.

Receipt

The samples were received on 4/24/2018 9:40 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 2.7° C.

GC/MS Semi VOA

Method(s) 8270D SIM ID: The 1,4-Dioxane result reported for sample GW 103D (480-134733-3) has an E flag qualifier indicating the results are over the calibration range on the raw data. The actual amounts are within the calibration range; however, the E flag is generated based upon the bias corrected concentration. The LIMS system calculates a bias correction based on the recovery of the 1,4-Dioxane-d8 isotope.

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

Organic Prep

Method(s) 3510C: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate/sample duplicate (MS/MSD/DUP) associated with preparation batch 480-410696.

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

Detection Summary

Client: Pace Analytical Services, LLC
Project/Site: FORMER COYNE TEXTILE FACILITY

TestAmerica Job ID: 480-134733-1

Client Sample ID: GW 105D

Lab Sample ID: 480-134733-1

No Detections.

Client Sample ID: GW 104

Lab Sample ID: 480-134733-2

No Detections.

Client Sample ID: GW 103D

Lab Sample ID: 480-134733-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,4-Dioxane	1.7	E	0.19	0.095	ug/L	1		8270D SIM ID	Total/NA

This Detection Summary does not include radiochemical test results.

TestAmerica Buffalo

Client Sample Results

Client: Pace Analytical Services, LLC
 Project/Site: FORMER COYNE TEXTILE FACILITY

TestAmerica Job ID: 480-134733-1

Client Sample ID: GW 105D

Date Collected: 04/19/18 08:30

Date Received: 04/24/18 09:40

Lab Sample ID: 480-134733-1

Matrix: Water

Method: 8270D SIM ID - Semivolatile Organic Compounds (GC/MS SIM / Isotope Dilution)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	0.20	U	0.20	0.10	ug/L		04/25/18 07:31	04/26/18 07:02	1
Isotope Dilution		%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1,4-Dioxane-d8		40		15 - 110			04/25/18 07:31	04/26/18 07:02	1

Client Sample ID: GW 104

Date Collected: 04/19/18 10:40

Date Received: 04/24/18 09:40

Lab Sample ID: 480-134733-2

Matrix: Water

Method: 8270D SIM ID - Semivolatile Organic Compounds (GC/MS SIM / Isotope Dilution)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	0.19	U	0.19	0.095	ug/L		04/25/18 07:31	04/26/18 07:26	1
Isotope Dilution		%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1,4-Dioxane-d8		38		15 - 110			04/25/18 07:31	04/26/18 07:26	1

Client Sample ID: GW 103D

Date Collected: 04/19/18 11:50

Date Received: 04/24/18 09:40

Lab Sample ID: 480-134733-3

Matrix: Water

Method: 8270D SIM ID - Semivolatile Organic Compounds (GC/MS SIM / Isotope Dilution)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	1.7	E	0.19	0.095	ug/L		04/25/18 07:31	04/26/18 07:50	1
Isotope Dilution		%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1,4-Dioxane-d8		40		15 - 110			04/25/18 07:31	04/26/18 07:50	1

Isotope Dilution Summary

Client: Pace Analytical Services, LLC
Project/Site: FORMER COYNE TEXTILE FACILITY

TestAmerica Job ID: 480-134733-1

Method: 8270D SIM ID - Semivolatile Organic Compounds (GC/MS SIM / Isotope Dilution)

Matrix: Water

Prep Type: Total/NA

Percent Isotope Dilution Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	DXE (15-110)
480-134733-1	GW 105D	40
480-134733-2	GW 104	38
480-134733-3	GW 103D	40
LCS 480-410696/2-A	Lab Control Sample	38
LCSD 480-410696/3-A	Lab Control Sample Dup	38
MB 480-410696/1-A	Method Blank	54

Surrogate Legend

DXE = 1,4-Dioxane-d8

QC Sample Results

Client: Pace Analytical Services, LLC
 Project/Site: FORMER COYNE TEXTILE FACILITY

TestAmerica Job ID: 480-134733-1

Method: 8270D SIM ID - Semivolatile Organic Compounds (GC/MS SIM / Isotope Dilution)

Lab Sample ID: MB 480-410696/1-A
Matrix: Water
Analysis Batch: 410920

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 410696

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	0.20	U	0.20	0.10	ug/L		04/25/18 07:31	04/26/18 05:49	1
Isotope Dilution		MB %Recovery	MB Qualifier	Limits			Prepared	Analyzed	Dil Fac
1,4-Dioxane-d8		54		15 - 110			04/25/18 07:31	04/26/18 05:49	1

Lab Sample ID: LCS 480-410696/2-A
Matrix: Water
Analysis Batch: 410920

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 410696

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
1,4-Dioxane	1.00	1.06		ug/L		106	40 - 140
Isotope Dilution		LCS %Recovery	LCS Qualifier	Limits			
1,4-Dioxane-d8		38		15 - 110			

Lab Sample ID: LCSD 480-410696/3-A
Matrix: Water
Analysis Batch: 410920

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 410696

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	Limits	RPD	Limit
1,4-Dioxane	1.00	1.09		ug/L		109	40 - 140	3	20
Isotope Dilution		LCSD %Recovery	LCSD Qualifier	Limits					
1,4-Dioxane-d8		38		15 - 110					

QC Association Summary

Client: Pace Analytical Services, LLC
Project/Site: FORMER COYNE TEXTILE FACILITY

TestAmerica Job ID: 480-134733-1

GC/MS Semi VOA

Prep Batch: 410696

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-134733-1	GW 105D	Total/NA	Water	3510C	
480-134733-2	GW 104	Total/NA	Water	3510C	
480-134733-3	GW 103D	Total/NA	Water	3510C	
MB 480-410696/1-A	Method Blank	Total/NA	Water	3510C	
LCS 480-410696/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 480-410696/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	

Analysis Batch: 410920

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-134733-1	GW 105D	Total/NA	Water	8270D SIM ID	410696
480-134733-2	GW 104	Total/NA	Water	8270D SIM ID	410696
480-134733-3	GW 103D	Total/NA	Water	8270D SIM ID	410696
MB 480-410696/1-A	Method Blank	Total/NA	Water	8270D SIM ID	410696
LCS 480-410696/2-A	Lab Control Sample	Total/NA	Water	8270D SIM ID	410696
LCSD 480-410696/3-A	Lab Control Sample Dup	Total/NA	Water	8270D SIM ID	410696

Lab Chronicle

Client: Pace Analytical Services, LLC
Project/Site: FORMER COYNE TEXTILE FACILITY

TestAmerica Job ID: 480-134733-1

Client Sample ID: GW 105D

Date Collected: 04/19/18 08:30

Date Received: 04/24/18 09:40

Lab Sample ID: 480-134733-1

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			410696	04/25/18 07:31	JMP	TAL BUF
Total/NA	Analysis	8270D SIM ID		1	410920	04/26/18 07:02	DMR	TAL BUF

Client Sample ID: GW 104

Date Collected: 04/19/18 10:40

Date Received: 04/24/18 09:40

Lab Sample ID: 480-134733-2

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			410696	04/25/18 07:31	JMP	TAL BUF
Total/NA	Analysis	8270D SIM ID		1	410920	04/26/18 07:26	DMR	TAL BUF

Client Sample ID: GW 103D

Date Collected: 04/19/18 11:50

Date Received: 04/24/18 09:40

Lab Sample ID: 480-134733-3

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			410696	04/25/18 07:31	JMP	TAL BUF
Total/NA	Analysis	8270D SIM ID		1	410920	04/26/18 07:50	DMR	TAL BUF

Laboratory References:

TAL BUF = TestAmerica Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Accreditation/Certification Summary

Client: Pace Analytical Services, LLC
Project/Site: FORMER COYNE TEXTILE FACILITY

TestAmerica Job ID: 480-134733-1

Laboratory: TestAmerica Buffalo

The accreditations/certifications listed below are applicable to this report.

Authority	Program	EPA Region	Identification Number	Expiration Date
New York	NELAP	2	10026	03-31-18 *

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

Method Summary

Client: Pace Analytical Services, LLC
Project/Site: FORMER COYNE TEXTILE FACILITY

TestAmerica Job ID: 480-134733-1

Method	Method Description	Protocol	Laboratory
8270D SIM ID	Semivolatile Organic Compounds (GC/MS SIM / Isotope Dilution)	SW846	TAL BUF
3510C	Liquid-Liquid Extraction (Separatory Funnel)	SW846	TAL BUF

Protocol References:

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

Laboratory References:

TAL BUF = TestAmerica Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

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

Sample Summary

Client: Pace Analytical Services, LLC
Project/Site: FORMER COYNE TEXTILE FACILITY

TestAmerica Job ID: 480-134733-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-134733-1	GW 105D	Water	04/19/18 08:30	04/24/18 09:40
480-134733-2	GW 104	Water	04/19/18 10:40	04/24/18 09:40
480-134733-3	GW 103D	Water	04/19/18 11:50	04/24/18 09:40

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Chain of Custody



480-134733 COC

Workorder: 7049093 Workorder Name: FORMER COYNE TEXTILE FACILITY Results Requested By: 4/27/2018

Report / Invoice To: Subcontract To

James Murphy
Pace Analytical New York
2190 Technology Drive
Schenectady, NY 12308
Phone (518)346-4592
Email: james.murphy@pacelabs.com

TA-Buff P.O.

State of Sample Origin: NY

Item	Sample ID	Collect Date/Time	Lab ID	Matrix	Preserved Containers	
					Unpreserved	Preserved
1	GW 105D	4/19/2018 08:30	7049093001	Water		
2	GW 104	4/19/2018 10:40	7049093003	Water		
3	GW 103D	4/19/2018 11:50	7049093004	Water		
4						
5						

1,4 DIOXANE

LAB USE ONLY

Requested Analysis

Transfers	Released By	Date/Time	Received By	Date/Time	Comments
1	<i>[Signature]</i>	4/19/18 18:00	<i>[Signature]</i>	4/24/18 09:40	#1 2.7
2					
3					

Cooler Temperature on Receipt °C Custody Seal Y or N Received on Ice Y or N Samples Intact Y or N



Login Sample Receipt Checklist

Client: Pace Analytical Services, LLC

Job Number: 480-134733-1

Login Number: 134733

List Source: TestAmerica Buffalo

List Number: 1

Creator: Harper, Marcus D

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time (Excluding tests with immediate HTs)..	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	True	PACE
Samples received within 48 hours of sampling.	False	
Samples requiring field filtration have been filtered in the field.	N/A	
Chlorine Residual checked.	N/A	



APPENDIX B

PID Calibration Log

PID Calibration Log

Meter Make and Model:		Serial Number:				
Mini Rae 3000		592-912838				
Name of Person Performing Calibration:						
Kayn Etman / Sam Miller						
CHA Project Number:		CHA Project Number:				
33505		33505				
Test Type (Bump/full cal.)	Gas Tested	Calibration Parameters	Results	Pass/Fail	Date/Time	Signature
Bump	Isobut.	100ppm	107 ppm	P	4/4/2018	Amanda Miller
Bump	Isobut.	100ppm	136.5 ppm	F	4/6/2018 0910	Kayn Etman
Bump	Isobut.	100 ppm	109.1 ppm	P	4/6/2018 0920	Kayn Etman
Bump	Isobut.	100ppm	102.1 ppm	P	4/6/2018 1300	Kayn Etman
Bump	Isobut.	100 ppm	96.5 ppm	P	4/9/2018 0750	Kayn Etman
Bump	Isobut.	100 ppm	92.5 ppm	P	4/10/2018 0810	Kayn Etman
Bump	Isobut.	100 ppm	97.8 ppm	P	4/11/2018 0750	Kayn Etman
Bump	Isobut.	100 ppm	102.1 ppm	P	4/12/2018 0815	Kayn Etman
Bump	Isobut.	100 ppm	94.0 ppm	P	4/13/2018 1050	Kayn Etman
Bump	Isobut.	100 ppm	97.6 ppm	P	4/16/2018 715	Kayn Etman
Bump	Isobut.	100 ppm	106.1 ppm	P	4/17/2018 745	Kayn Etman

WSP
12-908367 →

PID from NYEG



PID Calibration Log

Meter Make and Model:		Serial Number:				
Mini Rae 3000		592-908367				
Name of Person Performing Calibration:		CHA Project Number:				
Kaya Ehmman		33525				
Test Type (Bump/full cal.)	Gas Tested	Calibration Parameters	Results	Pass/Fail	Date/Time	Signature
Bump	Isobutyl	100 ppm	109.6	P	4/18/2018 / 700	<i>[Signature]</i>
Bump	Isobutyl	100 ppm	99.3	P	4/19/2018 / 730	<i>[Signature]</i>

CHA



APPENDIX C

Subsurface Soil Boring Logs



**Former Coyne Laundry
SUBSURFACE LOG
HOLE NUMBER SOIL-100**

PROJECT NUMBER: 33525

04/24/2018

Page 1 of 1

LOCATION: Syracuse, New York

DRILL FLUID:

DRILLING METHOD: Direct Push - Macrocore

CLIENT: Ranalli/Taylor St., LLC

CONTRACTOR: NYEG

DRILLER: Tom/Jesse

INSPECTOR: K. Ehmann

START DATE and TIME: 4/6/2018 10:10:00 AM

FINISH DATE and TIME: 4/6/2018 10:30:00 AM

SURFACE
ELEV:

CHECKED BY:

WATER LEVEL
OBSERVATIONS

DATE

TIME

WATER
DEPTH (ft)

CASING
BOTTOM (ft)

HOLE
BOTTOM (ft)

SAMP./CORE NUMBER	SAMP. ADV. (ft)	RECOVERY (ft)	PID Readings (ppm)	"N" Value or RQD%	SAMPLE	DEPTH (Feet)	GRAPHICS	DESCRIPTION AND CLASSIFICATION	ELEVATION (Feet)	Remarks on Character of Drilling, Water Return, etc.	WATER LEVELS AND/OR WELL DATA
1	5	3.8	0.0			0		ASPHALT PAVEMENT , ASPHALT			
						2		SUBBASE , SAND & GRAVEL, grey and reddish brown, compact, moist (SW) FILL : Silty CLAY, some Sand, brown, stiff, moist (CH) FILL : SAND & GRAVEL, brown, compact, moist (SW)			
2	5	3.6	0.0			4		FILL : BRICK FRAGMENTS, bright red, compact, moist (SW) FILL : SAND & GRAVEL, brown, compact, moist (SW)			
						6		FILL : Silty CLAY, some Gravel, brown, stiff, moist (CH)			
						8		FILL : ASPHALT FRAGMENTS, black, loose (GW)			
						10		Silty CLAY , brown, stiff, wet (CH)			
3	5	3.5	0.0			10		SAND & GRAVEL , brown, loose, saturated (SW)		Collected soil sample SOIL-100 from 9.0 - 10.0' bgs @ 10:40	
						12		Silty CLAY , some Gravel, gray, wet (CL-ML)			
						14		SILT , some Shell Fragments, dark brown, stiff, moist (ML)			
4	5	3.2	0.0			18		SAND & GRAVEL , gray, compact, wet (SW)			

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End of Boring at 20 ft



PROJECT NUMBER: 33525

04/24/2018

**Former Coyne Laundry
SUBSURFACE LOG
HOLE NUMBER SOIL-101**

Page 1 of 1

LOCATION: Syracuse, New York

DRILL FLUID:

DRILLING METHOD: Direct Push - Macrocore

CLIENT: Ranalli/Taylor St., LLC

CONTRACTOR: NYEG

DRILLER: Tom/Jesse

INSPECTOR: K. Ehmann

START DATE and TIME: 4/9/2018 8:30:00 AM

FINISH DATE and TIME: 4/9/2018 9:00:00 AM

SURFACE
ELEV:

CHECKED BY:

DATE	TIME	WATER DEPTH (ft)	CASING BOTTOM (ft)	HOLE BOTTOM (ft)	WATER LEVEL OBSERVATIONS

SAMP./CORE NUMBER	SAMP. ADV. (ft)	RECOVERY (ft)	PID Readings (ppm)	"N" Value or RQD%	SAMPLE	DEPTH (Feet)	GRAPHICS	DESCRIPTION AND CLASSIFICATION	ELEVATION (Feet)	Remarks on Character of Drilling, Water Return, etc.	WATER LEVELS AND/OR WELL DATA
1	5	3.8	0.3			0		ASPHALT PAVEMENT , ASPHALT			
						0.5		SUBBASE , GRAVEL, gray, loose (GW)			
						1.5		FILL : GRAVEL, some Sand, brown, compact, moist (GW)			
						2.5		FILL : SAND & GRAVEL, brown, compact, moist (SW)			
2	5	2.1	0.3			3.5		FILL : ROCK FRAGMENTS, white, compact (GW)			
						4.5		FILL : SAND, some gravel, brown, compact, moist (SW)			
						5.5		Silty CLAY , brown, compact, moist (CH)			
						6.5		SILT , brown to dark brown, compact, moist (ML)			
3	5	3.7	0.2			7.5		SILT , white, soft, moist (ML)			
						8.5		SILT , dark brown, stiff, moist (ML)			
						9.5		SILT , gray, soft, moist (ML)			
						10.5		f. SAND , some Silt, brown, loose, saturated (SM)			
4	5	4.5	0.1			15.0		f. SAND , some Silt, brown, loose, saturated (SM)		Collected soil sample SOIL-101 from 15.0 - 16.0' bgs @ 08:50	
						16.0		f. SAND , some Silt, brown, loose, saturated (SM)			

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End of Boring at 20 ft



PROJECT NUMBER: 33525

04/24/2018

**Former Coyne Laundry
SUBSURFACE LOG
HOLE NUMBER SOIL-102**

Page 1 of 2

LOCATION: Syracuse, New York

DRILL FLUID:

DRILLING METHOD: Direct Push - Macrocore

CLIENT: Ranalli/Taylor St., LLC

CONTRACTOR: NYEG

DRILLER: Tom/Jesse

INSPECTOR: K. Ehmann

START DATE and TIME: 4/6/2018 10:40:00 AM

FINISH DATE and TIME: 4/6/2018 11:00:00 AM

SURFACE
ELEV:

CHECKED BY:

DATE	TIME	WATER DEPTH (ft)	CASING BOTTOM (ft)	HOLE BOTTOM (ft)

SAMP./CORE NUMBER	SAMP. ADV. (ft)	RECOVERY (ft)	PID Readings (ppm)	"N" Value or RQD%	SAMPLE	DEPTH (Feet)	GRAPHICS	DESCRIPTION AND CLASSIFICATION	ELEVATION (Feet)	Remarks on Character of Drilling, Water Return, etc.	WATER LEVELS AND/OR WELL DATA
1	5	2.8	2.8			2		ASPHALT PAVEMENT , ASPHALT			
						4		SUBBASE , GRAVEL & ASPHALT, loose (GW)			
						6		FILL ; SAND & GRAVEL, brown, compact, moist (SW)			
2	5	3.2	156.2			8		FILL ; SAND & GRAVEL, gray, compact, wet (SW)			
			388.7			10		SILT , some Gravel, dark brown, soft, saturated (ML)			
3	5	4	25.1			12		SILT , some SAND, white w/ brown streaks, moist (ML)			
			357			14		Sandy SILT , brown, soft, saturated (ML)			
						16		SILT , some Sand, gray, saturated (ML)			
4	5	5	403.1			18		SAND & GRAVEL , gray, saturated (SW)		Collected soil sample SOIL-102 from 15.0 - 18.0' bgs @ 11:20	

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Former Coyne Laundry
SUBSURFACE LOG
HOLE NUMBER SOIL-102

PROJECT NUMBER: 33525

04/24/2018

Page 2 of 2

SAMP./CORE NUMBER	SAMP. ADV. (ft) LEN. CORE (ft) RECOVERY (ft)	PID Readings (ppm)	"N" Value or RQD%	SAMPLE	DEPTH (Feet)	GRAPHICS	DESCRIPTION AND CLASSIFICATION	ELEVATION (Feet)	Remarks on Character of Drilling, Water Return, etc.	WATER LEVELS AND/OR WELL DATA
5	5	5			22		fmc SAND , gray, wet (SW)			
					22		f. GRAVEL , some Sand, rounded, brown, loose, moist (GW)			
					24		Silty CLAY , brown, stiff, wet (CH)			
					25		End of Boring at 25 ft			
					26					
					28					
					30					
					32					
					34					
					36					
					38					
					40					
					42					
					44					



PROJECT NUMBER: 33525

04/24/2018

**Former Coyne Laundry
SUBSURFACE LOG
HOLE NUMBER SOIL-103**

Page 1 of 1

LOCATION: Syracuse, New York

DRILL FLUID:

DRILLING METHOD: Direct Push - Macrocore

CLIENT: Ranalli/Taylor St., LLC

CONTRACTOR: NYEG

DRILLER: Tom/Jesse

INSPECTOR: K. Ehmann

START DATE and TIME: 4/6/2018 2:20:00 PM

FINISH DATE and TIME: 4/6/2018 2:40:00 PM

SURFACE
ELEV:

CHECKED BY:

WATER LEVEL
OBSERVATIONS

DATE

TIME

WATER
DEPTH (ft)

CASING
BOTTOM (ft)

HOLE
BOTTOM (ft)

SAMP./CORE NUMBER	SAMP. ADV. (ft)	LEN. CORE (ft)	RECOVERY (ft)	PID Readings (ppm)	"N" Value or RQD%	SAMPLE	DEPTH (Feet)	GRAPHICS	DESCRIPTION AND CLASSIFICATION	ELEVATION (Feet)	Remarks on Character of Drilling, Water Return, etc.	WATER LEVELS AND/OR WELL DATA
1	5	3.8	0.3				0		ASPHALT PAVEMENT , ASPHALT			
							1		SUBBASE , GRAVEL, some Sand and Asphalt, loose (GW)			
							2		FILL : SILT & GRAVEL, reddish brown, stiff, moist (ML)			
							3		FILL : SAND & GRAVEL, trace Silt, brown, compact, moist (SW)			
2	5	3.6	0.0				4		FILL : SILT & GRAVEL, trace Sand, brown, stiff, moist (ML)			
							5		FILL : GRAVEL, gray, loose, moist (GW)			
							6		FILL : SAND & GRAVEL, red, compact, moist (SW)			
							7		Silty CLAY , gray, stiff, wet (CH)			
3	5	3.5	0.0				8		SILT , dark brown to tan, stiff, wet (ML)			
							9		Silty CLAY , brown and gray, soft, saturated (CH)			
							10		SILT , dark brown, stiff, wet (ML)			
							11		SAND & SILT , gray, compact, wet (SM/ML)			
4	5	3.2	0.0				12		SILT , some Sand, gray, soft, wet (ML)		Collected soil samples SOIL-103, MS101, and MSD101 from 14.0 - 17.0' bgs @ 14:50	
							13		SAND & SILT , gray, medium compact, wet (SM/ML)			
							14		SAND & SILT , gray, medium compact, wet (SM/ML)			

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End of Boring at 20 ft



PROJECT NUMBER: 33525

04/24/2018

**Former Coyne Laundry
SUBSURFACE LOG
HOLE NUMBER SOIL-104**

Page 1 of 2

LOCATION: Syracuse, New York

DRILL FLUID:

DRILLING METHOD: Direct Push - Macrocore

CLIENT: Ranalli/Taylor St., LLC

CONTRACTOR: NYEG

DRILLER: Tom/Jesse

INSPECTOR: K. Ehmann

START DATE and TIME: 4/6/2018 11:30:00 AM

FINISH DATE and TIME: 4/6/2018 11:50:00 AM

SURFACE
ELEV:

CHECKED BY:

WATER LEVEL
OBSERVATIONS

DATE

TIME

WATER
DEPTH (ft)

CASING
BOTTOM (ft)

HOLE
BOTTOM (ft)

SAMP./CORE NUMBER	SAMP. ADV. (ft)	RECOVERY (ft)	PID Readings (ppm)	"N" Value or RQD%	SAMPLE	DEPTH (Feet)	GRAPHICS	DESCRIPTION AND CLASSIFICATION	ELEVATION (Feet)	Remarks on Character of Drilling, Water Return, etc.	WATER LEVELS AND/OR WELL DATA
1	5	4	1.2			0 - 2		ASPHALT PAVEMENT , ASPHALT SUBBASE , GRAVEL, black and gray, loose (GW)			
						2 - 4		FILL : SILTY CLAY, bluish gray, stiff, moist (CH)			
						4 - 6		FILL : SILT & SAND, some Gravel, moist (ML)			
						6 - 8		FILL : SAND & GRAVEL, some silt, gray, compact, wet (SM)			
2	5	3.7	641			8 - 10		Silty CLAY , gray to dark brown, stiff, moist (CH)			
			922			10 - 12					
			106			12 - 16					
3	5	3.2				16 - 18		Silty CLAY , brown, moist (CH)		No PID readings 10 -25' due to instrument malfunction. Strong odors and sheen throughout interval.	
						18 - 20		fm SAND , brown to gray, wet (SW)		Collected soil sample SOIL-104 from 16.0 - 18.0' bgs @ 12:15	

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**Former Coyne Laundry
SUBSURFACE LOG
HOLE NUMBER SOIL-104**

PROJECT NUMBER: 33525

04/24/2018

Page 2 of 2

SAMP./CORE NUMBER	SAMP. ADV. (ft) LEN. CORE (ft) RECOVERY (ft)	PID Readings (ppm)	"N" Value or RQD%	SAMPLE	DEPTH (Feet)	GRAPHICS	DESCRIPTION AND CLASSIFICATION	ELEVATION (Feet)	Remarks on Character of Drilling, Water Return, etc.	WATER LEVELS AND/OR WELL DATA
5	5	41.6			22		SAND & SILT , saturated (SM/ML)			
					22		SAND & GRAVEL , saturated (SW)			
					24		SILT & SAND , saturated (SM/ML)			
		2.1			25		End of Boring at 25 ft			
					26					
					28					
					30					
					32					
					34					
					36					
					38					
					40					
					42					
					44					

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PROJECT NUMBER: 33525

04/24/2018

**Former Coyne Laundry
SUBSURFACE LOG
HOLE NUMBER SOIL-105**

Page 1 of 1

LOCATION: Syracuse, New York

DRILL FLUID:

DRILLING METHOD: Direct Push - Macrocore

CLIENT: Ranalli/Taylor St., LLC

CONTRACTOR: NYEG

DRILLER: Tom/Jesse

INSPECTOR: K. Ehmann

START DATE and TIME: 4/6/2018 2:10:00 PM

FINISH DATE and TIME: 4/6/2018 2:30:00 PM

SURFACE
ELEV:

CHECKED BY:

WATER LEVEL OBSERVATIONS	DATE	TIME	WATER DEPTH (ft)	CASING BOTTOM (ft)	HOLE BOTTOM (ft)

SAMP./CORE NUMBER	SAMP. ADV. (ft) LEN. CORE (ft)	RECOVERY (ft)	PID Readings (ppm)	"N" Value or RQD%	SAMPLE	DEPTH (Feet)	GRAPHICS	DESCRIPTION AND CLASSIFICATION	ELEVATION (Feet)	Remarks on Character of Drilling, Water Return, etc.	WATER LEVELS AND/OR WELL DATA
1	5	3.2	0.0			2		ASPHALT PAVEMENT, ASPHALT (ML) SUBBASE, GRAVEL and ASPHALT, black to gray (GW) FILL: SILTY CLAY, some Gravel, brown, stiff, moist (CH) FILL: GRAVEL, gray (GW) FILL: SAND & GRAVEL, brown, compact, moist (SW) FILL: GRAVEL, angular, gray (GW)			
2	5	3.3	0.0			8		Silty CLAY, gray to brown, stiff, moist (CH)			
3	5	3.1	0.0			12		SILT & SAND, small wood fragments, stiff, moist (SM/ML) Silty CLAY, black, stiff, moist (CH) Silty CLAY, dark brown and gray, moist (CH)			
4	5	3.5	0.0			18		fm SAND, trace Gravel, gray, compact, moist (SW) SILT, some Sand, gray, soft, saturated (ML)			
Collected soil sample SOIL-105 from 17.0 - 19.0' bgs @ 14:40											

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End of Boring at 20 ft



PROJECT NUMBER: 33525

04/24/2018

**Former Coyne Laundry
SUBSURFACE LOG
HOLE NUMBER SOIL-106**

Page 1 of 1

LOCATION: Syracuse, New York

DRILL FLUID:

DRILLING METHOD: Direct Push - Macrocore

CLIENT: Ranalli/Taylor St., LLC

CONTRACTOR: NYEG

DRILLER: Tom/Jesse

INSPECTOR: K. Ehmann

START DATE and TIME: 4/6/2018 1:00:00 PM











FINISH DATE and TIME: 4/6/2018 1:20:00 PM

SURFACE
ELEV:

CHECKED BY:

DATE	TIME	WATER DEPTH (ft)	CASING BOTTOM (ft)	HOLE BOTTOM (ft)

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SAMP./CORE NUMBER	SAMP. ADV. (ft)	LEN. CORE (ft)	RECOVERY (ft)	PID Readings (ppm)	"N" Value or RQD%	SAMPLE	DEPTH (Feet)	GRAPHICS	DESCRIPTION AND CLASSIFICATION	ELEVATION (Feet)	Remarks on Character of Drilling, Water Return, etc.	WATER LEVELS AND/OR WELL DATA
1	5	1.5		0.1			0-2	 ASPHALT PAVEMENT , ASPHALT  SUBBASE , GRAVEL and ASPHALT, gray, loose (GW)  FILL ; SAND & GRAVEL, brown, compact, moist (SW)  FILL ; GRAVEL, some Sand, brown to gray, compact, moist (GW)				
2	5	2.5		0.1			2-6	 FILL ; SAND & GRAVEL, brown, compact, wet (SW)  SILT , some Gravel, brown, stiff, moist (ML)				
3	5	4.5		0.0			6-10	 Silty CLAY , trace Gravel, brown, stiff, moist (CH)  SAND & GRAVEL , brown, loose, saturated (SW)				
4	5	3.5		0.0			10-18	 fmc SAND , trace Gravel, brown, loose, saturated (SW)  SAND & SILT , brown, loose, saturated (SM/ML)		Collected soil sample SOIL-106 from 12.0 - 15.0' bgs @ 13:30		

End of Boring at 20 ft



PROJECT NUMBER: 33525

04/24/2018

**Former Coyne Laundry
SUBSURFACE LOG
HOLE NUMBER SOIL-107**

Page 1 of 1

LOCATION: Syracuse, New York

DRILL FLUID:

DRILLING METHOD: Direct Push - Macrocore

CLIENT: Ranalli/Taylor St., LLC

CONTRACTOR: NYEG

DRILLER: Chris

INSPECTOR: K. Ehmann

START DATE and TIME: 4/20/2018 12:20:00 PM

FINISH DATE and TIME: 4/20/2018 1:15:00 PM

SURFACE
ELEV:

CHECKED BY:

WATER LEVEL
OBSERVATIONS

DATE

TIME

WATER
DEPTH (ft)

CASING
BOTTOM (ft)

HOLE
BOTTOM (ft)

SAMP./CORE NUMBER	SAMP. ADV. (ft)	RECOVERY (ft)	PID Readings (ppm)	"N" Value or RQD%	SAMPLE	DEPTH (Feet)	GRAPHICS	DESCRIPTION AND CLASSIFICATION	ELEVATION (Feet)	Remarks on Character of Drilling, Water Return, etc.	WATER LEVELS AND/OR WELL DATA
1	4	2.8				0 - 2		TOPSOIL , some roots, brown, compact, moist (TOPSOIL) FILL : SILT & SAND, little Gravel, brown, compact, moist (ML/SM)			
						2 - 4		FILL : SAND & GRAVEL, brown and gray, compact, moist (SW) FILL : BRICK FRAGMENTS, red (GW) FILL : GRAVEL/ROCK FRAGMENTS (GW)			
2	4	2				4 - 6		FILL : SAND & GRAVEL, dark brown, compact, moist (SW) Silty CLAY , brown, stiff, moist (CH)			
						6 - 8		Silty CLAY , dark brown, stiff, moist (CH)			
3	4	4				8 - 10		SILT , dark brown, medium stiff, moist (ML) f SAND , brown, compact, moist (SP)			
						10 - 12		f SAND , gray, loose, wet (SP)			
4	4	2.4				12 - 14		f SAND , gray, compact, moist (SP)		Collected soil sample SOIL-107 from 11.0 - 12.0' bgs @ 13:00	
						14 - 16		f SAND , gray, compact, moist (SP)			
						16 - 18		End of Boring at 16 ft			

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PROJECT NUMBER: 33525

04/24/2018

**Former Coyne Laundry
SUBSURFACE LOG
HOLE NUMBER SOIL-108**

Page 1 of 1

LOCATION: Syracuse, New York

DRILL FLUID:

DRILLING METHOD: Direct Push - Macrocore

CLIENT: Ranalli/Taylor St., LLC

CONTRACTOR: NYEG

DRILLER: Tom/Jesse

INSPECTOR: K. Ehmann

START DATE and TIME: 4/5/2018 2:00:00 PM

FINISH DATE and TIME: 4/5/2018 2:20:00 PM

SURFACE
ELEV:

CHECKED BY:

DATE	TIME	WATER DEPTH (ft)	CASING BOTTOM (ft)	HOLE BOTTOM (ft)	WATER LEVEL OBSERVATIONS

SAMP./CORE NUMBER	SAMP. ADV. (ft)	RECOVERY (ft)	PID Readings (ppm)	"N" Value or RQD%	SAMPLE	DEPTH (Feet)	GRAPHICS	DESCRIPTION AND CLASSIFICATION	ELEVATION (Feet)	Remarks on Character of Drilling, Water Return, etc.	WATER LEVELS AND/OR WELL DATA
1	5	2	5.2	0.0		0		CONCRETE			
			2				SUBBASE , GRAVEL, gray, loose (GW)				
2	5	3.2	0.0	0.0		4		FILL : SAND & GRAVEL (angular), brown to light brown, loose, moist (SW)			
			6				FILL : SAND & GRAVEL, light brown, compact, moist (SW)				
3	5	4.2	0.0	0.0		8		Silty CLAY , gray, compact, moist (CH)			
			10				SILT & SAND , brown, wet (SM/ML)				
4	5	4	0.0	0.0		12		SILT & SAND , dark brown, wet (SM/ML)			
			14				SAND & GRAVEL , brown, saturated, loose (SW)				
						16		Silty CLAY , brown, soft, wet (CH)			

Collected soil sample SOIL-108 & DUP101 from 15.0 - 17.0' bgs @ 14:20

End of Boring at 20 ft

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PROJECT NUMBER: 33525

04/24/2018

**Former Coyne Laundry
SUBSURFACE LOG
HOLE NUMBER SOIL-109**

Page 1 of 1

LOCATION: Syracuse, New York

DRILL FLUID:

DRILLING METHOD: Direct Push - Macrocore

CLIENT: Ranalli/Taylor St., LLC

CONTRACTOR: NYEG

DRILLER: Tom/Jesse

INSPECTOR: K. Ehmann

START DATE and TIME: 4/5/2018 1:50:00 PM

FINISH DATE and TIME: 4/5/2018 2:10:00 PM

SURFACE
ELEV:

CHECKED BY:

DATE	TIME	WATER DEPTH (ft)	CASING BOTTOM (ft)	HOLE BOTTOM (ft)

SAMP./CORE NUMBER	SAMP. ADV. (ft)	LEN. CORE (ft)	RECOVERY (ft)	PID Readings (ppm)	"N" Value or RQD%	SAMPLE	DEPTH (Feet)	GRAPHICS	DESCRIPTION AND CLASSIFICATION	ELEVATION (Feet)	Remarks on Character of Drilling, Water Return, etc.	WATER LEVELS AND/OR WELL DATA
1	5	2.3	2.3	5.7			0		CONCRETE			
				0.0			2		SUBBASE , GRAVEL, gray, loose (GW)			
				0.0			4		FILL : SAND & c GRAVEL, gray to brown, loose, moist (SW)			
2	5	2.5	2.5	0.0			6		Silty CLAY , brown, stiff, moist (CH)			
				0.0			8		Silty CLAY , black, stiff, moist (CH)			
				0.0			10		Silty CLAY , brown to dark brown, soft, saturated (CH)			
3	5	5	5	0.0			12		Silty CLAY , brown to dark brown, soft, saturated (CH)			
				0.0			14		Silty CLAY , brown to dark brown, soft, saturated (CH)			
				0.0			16		SAND & GRAVEL , brown, compact, moist (SW)			
4	5	5	5	0.0			18		SAND & GRAVEL , SAND & f GRAVEL, dark brown, compact, wet (SW)			
				0.0			18		SAND & SILT , brown, compact, moist (SM/ML)			
				0.0			20		SAND & SILT , brown, compact, moist (SM/ML)			

Collected soil sample SOIL-109 from 12.0 - 13.0' bgs @ 14:10

End of Boring at 20 ft

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**Former Coyne Laundry
SUBSURFACE LOG
HOLE NUMBER SOIL-110**

PROJECT NUMBER: 33525

04/24/2018

Page 1 of 1

LOCATION: Syracuse, New York

DRILL FLUID:

DRILLING METHOD: Direct Push - Macrocore

CLIENT: Ranalli/Taylor St., LLC

CONTRACTOR: NYEG

DRILLER: Tom/Jesse

INSPECTOR: K. Ehmann

START DATE and TIME: 4/5/2018 3:00:00 PM

FINISH DATE and TIME: 4/5/2018 3:20:00 PM

SURFACE
ELEV:

CHECKED BY:

WATER LEVEL
OBSERVATIONS

DATE

TIME

WATER
DEPTH (ft)

CASING
BOTTOM (ft)

HOLE
BOTTOM (ft)

SAMP./CORE NUMBER	SAMP. ADV. (ft)	RECOVERY (ft)	PID Readings (ppm)	"N" Value or RQD%	SAMPLE	DEPTH (Feet)	GRAPHICS	DESCRIPTION AND CLASSIFICATION	ELEVATION (Feet)	Remarks on Character of Drilling, Water Return, etc.	WATER LEVELS AND/OR WELL DATA
1	5	2.3	5.7			0		CONCRETE			
			0.0			2		SUBBASE , GRAVEL & CRUSHED STONE, gray, loose (GW)			
						4		FILL : SILT & SAND, some Gravel, brown, compact, moist (SM/ML)			
2	5	2.5	702.9			6		FILL : SILT & SAND, light brown, stiff, moist (SM/ML)			
						8		FILL : SAND & GRAVEL, brown and black, compact, moist (SW)			
						10		FILL : SAND & GRAVEL, gray, loose, wet (SW)			
3	5	5	273			12		Silty CLAY , gray, stiff, moist (CH)			
			1,272			14		Silty CLAY , black, stiff, moist (CH)			
			123.1			16		SILT & SAND , gray, medium compact, moist (SM/ML)			
			5.9			18		SAND & GRAVEL , dark gray, compact, moist (SW)			
								End of Boring at 15 ft			

Collected soil sample
SOIL-110 from 12.0 -
13.0' bgs @ 15:30

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PROJECT NUMBER: 33525

04/24/2018

**Former Coyne Laundry
SUBSURFACE LOG
HOLE NUMBER SOIL-111**

Page 1 of 1

LOCATION: Syracuse, New York

DRILL FLUID:

DRILLING METHOD: Direct Push - Macrocore

CLIENT: Ranalli/Taylor St., LLC

CONTRACTOR: NYEG

DRILLER: Tom/Jesse

INSPECTOR: K. Ehmann

START DATE and TIME: 4/5/2018 12:30:00 PM

FINISH DATE and TIME: 4/5/2018 12:50:00 PM

SURFACE
ELEV:

CHECKED BY:

WATER LEVEL
OBSERVATIONS

DATE

TIME

WATER
DEPTH (ft)

CASING
BOTTOM (ft)

HOLE
BOTTOM (ft)

SAMP./CORE NUMBER	SAMP. ADV. (ft)	RECOVERY (ft)	PID Readings (ppm)	"N" Value or RQD%	SAMPLE	DEPTH (Feet)	GRAPHICS	DESCRIPTION AND CLASSIFICATION	ELEVATION (Feet)	Remarks on Character of Drilling, Water Return, etc.	WATER LEVELS AND/OR WELL DATA
1	5	4.6	11.5			0		CONCRETE			
						2		SUBBASE , GRAVEL & CRUSHED STONE, gray, loose (GW)			
			0.0			3		FILL : SAND & GRAVEL, black, compact, moist (SW)			
						4		FILL : SILT & SAND, brown, compact, moist (SM/ML)			
			0.0			5		FILL : SILT & SAND, some gravel, brown, compact, moist (SM/ML)			
			0.0			6		FILL : SAND & SILT, some Gravel, brown, compact, moist (SM/ML)			
						7		FILL : SAND & GRAVEL, black, compact, moist (SW)			
2	5	4				8		Silty CLAY , brown, soft, moist (CH)			
						9		Silty CLAY , black, stiff, moist (CH)			
			0.0			10		Silty CLAY , some Gravel, brown, compact, moist (CL)			
						11		SILT & SAND , some Gravel, brown, compact, moist (SM/ML)			
						12		Silty CLAY , brown, stiff, moist (CH)			
3	5	4.8				13		Silty CLAY , dark brown, soft, moist (CH)			
						14		SAND & GRAVEL , dark brown, compact, moist (SW)			
			1.6			15		End of Boring at 15 ft			
						16					
						18					

Collected soil sample SOIL-111 from 13.0 - 14.0' bgs @ 12:50

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PROJECT NUMBER: 33525

04/24/2018

**Former Coyne Laundry
SUBSURFACE LOG
HOLE NUMBER SOIL-112**

Page 1 of 2

LOCATION: Syracuse, New York

DRILL FLUID:

DRILLING METHOD: Direct Push - Macrocore

CLIENT: Ranalli/Taylor St., LLC

CONTRACTOR: NYEG

DRILLER: Tom/Jesse

INSPECTOR: K. Ehmann

START DATE and TIME: 4/5/2018 1:15:00 PM

FINISH DATE and TIME: 4/5/2018 1:30:00 PM

SURFACE
ELEV:

CHECKED BY:

DATE	TIME	WATER DEPTH (ft)	CASING BOTTOM (ft)	HOLE BOTTOM (ft)

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SAMP./CORE NUMBER	SAMP. ADV. (ft)	RECOVERY (ft)	PID Readings (ppm)	"N" Value or RQD%	SAMPLE	DEPTH (Feet)	GRAPHICS	DESCRIPTION AND CLASSIFICATION	ELEVATION (Feet)	Remarks on Character of Drilling, Water Return, etc.	WATER LEVELS AND/OR WELL DATA
1	5	3.1	3.9			0		CONCRETE			
			0.0			2		SUBBASE , GRAVEL, gray, loose (GW)			
						4		FILL : SAND & GRAVEL, brown to light brown, compact, moist (SW)			
						6		FILL : SAND & GRAVEL, brown, compact, moist (SW)			
2	5	3.5	0.0			6		FILL : SAND, little PVC fragments, black, loose, moist (SW)			
						8		FILL : SAND & GRAVEL, black, white, brown, to tan, loose, moist (SW)			
						10		SILT & CLAY , brown, stiff, moist (ML/CL)			
						12		Silty CLAY , gray, stiff, moist (CH)			
3	5	3.2	0.0			12		SILT & SAND , black, compact, moist (SM/ML)			
						14		SAND , some Silt and Gravel, brown, loose, wet (SM)			
						16		SILT & SAND , black, loose, wet (SM/ML)			
						18		Silty CLAY , dark brown, stiff, moist (CH)			
4	5	3.7	2.7			18		Silty CLAY , brown, soft, wet (CH)			
						18.0		SAND & GRAVEL , loose, brown, wet (SW)			
						18.0		Silty CLAY , brown, stiff, wet (CH)			
			1.8			18.0		SAND & GRAVEL , black, compact, wet			

Collected soil sample SOIL-112 from 17.0 - 18.0' bgs @ 13:40



Former Coyne Laundry
SUBSURFACE LOG
HOLE NUMBER SOIL-112

PROJECT NUMBER: 33525

04/24/2018

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SAMP./CORE NUMBER	SAMP. ADV. (ft) LEN. CORE (ft) RECOVERY (ft)	PID Readings (ppm)	"N" Value or RQD%	SAMPLE	DEPTH (Feet)	GRAPHICS	DESCRIPTION AND CLASSIFICATION	ELEVATION (Feet)	Remarks on Character of Drilling, Water Return, etc.	WATER LEVELS AND/OR WELL DATA
					22		(SW) End of Boring at 20 ft			
					24					
					26					
					28					
					30					
					32					
					34					
					36					
					38					
					40					
					42					
					44					



PROJECT NUMBER: 33525

04/24/2018

**Former Coyne Laundry
SUBSURFACE LOG
HOLE NUMBER SOIL-113**

Page 1 of 1

LOCATION: Syracuse, New York

DRILL FLUID:

DRILLING METHOD: Direct Push - Macrocore

CLIENT: Ranalli/Taylor St., LLC

CONTRACTOR: NYEG

DRILLER: Tom/Jesse

INSPECTOR: K. Ehmann

START DATE and TIME: 4/5/2018 11:15:00 AM

FINISH DATE and TIME: 4/5/2018 11:40:00 AM

SURFACE
ELEV:

CHECKED BY:

WATER LEVEL OBSERVATIONS	DATE	TIME	WATER DEPTH (ft)	CASING BOTTOM (ft)	HOLE BOTTOM (ft)

SAMP./CORE NUMBER	SAMP. ADV. (ft)	RECOVERY CORE (ft)	PID Readings (ppm)	"N" Value or RQD%	SAMPLE	DEPTH (Feet)	GRAPHICS	DESCRIPTION AND CLASSIFICATION	ELEVATION (Feet)	Remarks on Character of Drilling, Water Return, etc.	WATER LEVELS AND/OR WELL DATA
1	5	3.4	0.0			0		CONCRETE			
			2.1			2		SUBBASE , SAND & ang. GRAVEL, gray, loose (GW)			
			0.0			4		FILL : SAND & mf GRAVEL, light brown, compact, moist (SW)			
						4		FILL : SILTY CLAY & GRAVEL, brown, stiff, moist (CL)			
						6		FILL : GRAVEL, gray, compact, moist (GW)			
2	5	3.5	0.0			6		FILL : GRAVEL, some Sand, black, compact, moist (GW)			
						8		Silty CLAY , dark to light brown, stiff, moist (CH)			
						10		Silty SAND , light brown, compact, moist (SM)			
3	5	4	0.0			10		Silty CLAY , dark brown, stiff, moist (CH)			
			0.9			14		SAND & GRAVEL , dark brown, compact, moist (SW)			Collected soil sample SOIL-113 from 12.0 - 15.0' bgs @ 11:40
						15		End of Boring at 15 ft		Large wood fragment in bottom of sleeve	
						16					
						18					

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PROJECT NUMBER: 33525

04/24/2018

**Former Coyne Laundry
SUBSURFACE LOG
HOLE NUMBER SOIL-114**

Page 1 of 1

LOCATION: Syracuse, New York

DRILL FLUID:

DRILLING METHOD: Direct Push - Macrocore

CLIENT: Ranalli/Taylor St., LLC

CONTRACTOR: NYEG

DRILLER: Tom/Jesse

INSPECTOR: K. Ehmann

START DATE and TIME: 4/5/2018 10:30:00 AM

FINISH DATE and TIME: 4/5/2018 10:50:00 AM

SURFACE
ELEV:

CHECKED BY:

WATER LEVEL
OBSERVATIONS

DATE

TIME

WATER
DEPTH (ft)

CASING
BOTTOM (ft)

HOLE
BOTTOM (ft)

SAMP./CORE NUMBER	SAMP. ADV. (ft)	RECOVERY (ft)	PID Readings (ppm)	"N" Value or RQD%	SAMPLE	DEPTH (Feet)	GRAPHICS	DESCRIPTION AND CLASSIFICATION	ELEVATION (Feet)	Remarks on Character of Drilling, Water Return, etc.	WATER LEVELS AND/OR WELL DATA
1	5	3	0.0			0		CONCRETE			
						1		SUBBASE , Silty SAND & f GRAVEL, brown, loose (SM)			
						2		FILL : Clayey SILT, brown, stiff, moist (ML)			
2	5	4.3	0.0			3		FILL : Silty CLAY, brown, stiff, moist (CH)			
						4		FILL : fmc SAND, some Silt, Gravel, brown with lenses of black, compact, moist (SM)			
						5		Silty CLAY , gray, stiff, moist (CH)			
3	5	4	0.0			6		Sandy SILT , brown, stiff, moist (ML)			
						7		Silty SAND & GRAVEL , brown, compact, moist (SM)			
						8		Silty CLAY , dark brown, stiff, moist (CH)			
						9		Silty CLAY , brown, some black steaking, stiff, moist (CH)			
						10		Silty CLAY , brown, soft, saturated (CH)			
4	5	4.5	1.9			11		SAND & GRAVEL , dark brown, loose, wet (SW)			
						12		SILT & SAND , little Gravel, brown, stiff, wet (SM/ML)			
						13		SAND & GRAVEL , dark brown, compact, wet (SW)			
			0.0			18					

Collected soil samples
SOIL-114/DUP-100
from 17.0 - 20.0' bgs
@ 11:00/11:10

End of Boring at 20 ft

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PROJECT NUMBER: 33525

04/24/2018

**Former Coyne Laundry
SUBSURFACE LOG
HOLE NUMBER SOIL-115**

Page 1 of 1

LOCATION: Syracuse, New York

DRILL FLUID:

DRILLING METHOD: Direct Push - Macrocore

CLIENT: Ranalli/Taylor St., LLC

CONTRACTOR: NYEG

DRILLER: Tom/Jesse

INSPECTOR: K. Ehmann

START DATE and TIME: 4/5/2018 8:05:00 AM

FINISH DATE and TIME: 4/5/2018 8:15:00 AM

SURFACE
ELEV:

CHECKED BY:

WATER LEVEL
OBSERVATIONS

DATE

TIME

WATER
DEPTH (ft)

CASING
BOTTOM (ft)

HOLE
BOTTOM (ft)

SAMP./CORE NUMBER	SAMP. ADV. (ft)	RECOVERY (ft)	PID Readings (ppm)	"N" Value or RQD%	SAMPLE	DEPTH (Feet)	GRAPHICS	DESCRIPTION AND CLASSIFICATION	ELEVATION (Feet)	Remarks on Character of Drilling, Water Return, etc.	WATER LEVELS AND/OR WELL DATA
1	3	1.3	0.0			0		CONCRETE			
						2		FILL: Sandy SILT, some Gravel, brown, soft, moist (ML) FILL: Silty SAND & GRAVEL, brown, compact, moist (SM)			
2	3	2.1	0.0			4		FILL: Silty SAND, some Gravel, brown, compact, moist (SM)			
			2.5			6		FILL: Silty SAND, black, loose, wet (SM)			
3	2	1.5	6.1			8		End of Boring at 8 ft		Collected soil sample SOIL-115 from 7.0 - 8.0' bgs @ 09:45 Refusal @ 8.0 ft bgs. Advance offset boring SOIL-115A ~6 ft E & 2 ft N of SOIL-115	
						10					
						12					
						14					
						16					
						18					

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PROJECT NUMBER: 33525

04/24/2018

**Former Coyne Laundry
SUBSURFACE LOG
HOLE NUMBER SOIL-115A**

Page 1 of 1

LOCATION: Syracuse, New York

DRILL FLUID:

DRILLING METHOD: Direct Push - Macrocore

CLIENT: Ranalli/Taylor St., LLC

CONTRACTOR: NYEG

DRILLER: Tom/Jesse

INSPECTOR: K. Ehmann

START DATE and TIME: 4/5/2018 10:15:00 AM

FINISH DATE and TIME: 4/5/2018 10:20:00 AM

SURFACE
ELEV:

CHECKED BY:

WATER LEVEL
OBSERVATIONS

DATE

TIME

WATER
DEPTH (ft)

CASING
BOTTOM (ft)

HOLE
BOTTOM (ft)

SAMP./CORE NUMBER	SAMP. ADV. (ft)	RECOVERY (ft)	PID Readings (ppm)	"N" Value or RQD%	SAMPLE	DEPTH (Feet)	GRAPHICS	DESCRIPTION AND CLASSIFICATION	ELEVATION (Feet)	Remarks on Character of Drilling, Water Return, etc.	WATER LEVELS AND/OR WELL DATA
1	3	0.6	0.6			0-2		CONCRETE			
						2-4		SUBBASE , Silty SAND & GRAVEL, dark brown, loose, (SM)			
						4-6		FILL : GRAVEL, angular, gray, loose, moist (GW)			
2	3	0.9	2.1			6-7		FILL : SAND & GRAVEL, brown, compact, saturated (SW)			
3	1	0.7	5.2			7-8		FILL : SAND & GRAVEL, dark brown, compact, wet (SW)			
						8-18		End of Boring at 7 ft		Refusal @ 7.0 ft bgs.	

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**Former Coyne Laundry
SUBSURFACE LOG
HOLE NUMBER SOIL-116**

PROJECT NUMBER: 33525

04/24/2018

Page 1 of 1

LOCATION: Syracuse, New York

DRILL FLUID:

DRILLING METHOD: Direct Push - Macrocore

CLIENT: Ranalli/Taylor St., LLC

CONTRACTOR: NYEG

DRILLER: Tom/Jesse

INSPECTOR: K. Ehmann

START DATE and TIME: 4/4/2018 12:00:00 PM

FINISH DATE and TIME: 4/4/2018 12:30:00 PM

SURFACE ELEV:

CHECKED BY:

DATE	TIME	WATER DEPTH (ft)	CASING BOTTOM (ft)	HOLE BOTTOM (ft)

WATER LEVEL OBSERVATIONS

SAMP./CORE NUMBER	SAMP. ADV. (ft)	RECOVERY (ft)	PID Readings (ppm)	"N" Value or RQD%	SAMPLE	DEPTH (Feet)	GRAPHICS	DESCRIPTION AND CLASSIFICATION	ELEVATION (Feet)	Remarks on Character of Drilling, Water Return, etc.	WATER LEVELS AND/OR WELL DATA
1	3	2	2.4		[Pattern]	0	[Pattern]	CONCRETE			
			7.2			2	[Pattern]	SUBBASE, GRAVEL, gray, loose (GW) FILL: SILT & GRAVEL, brown, compact, moist (ML)			
2	3	3	22.4		[Pattern]	2	[Pattern]	FILL: ROCK FRAGMENTS, gray (GP) FILL: Silty CLAY, some Gravel, brown, stiff, moist (CL)			
			106.8			4	[Pattern]	FILL: Silty CLAY & GRAVEL, brown, stiff, moist (CL) FILL: ROCK FRAGMENTS, red (GP)			
			195.5			6	[Pattern]	FILL: Silty SAND, some Gravel, black, loose, moist (SM) FILL: Sandy SILT, little Gravel, dark gray, stiff, moist (ML)			
			57.6			8	[Pattern]	FILL: Sandy SILT, black, stiff, moist (ML) SAND & GRAVEL, light brown and red, compact, moist (SW)			
3	3	2.5	63.7		[Pattern]	8	[Pattern]	SAND & GRAVEL, gray and white, loose, wet (SW) SAND & GRAVEL, black, loose saturated (SW)		Collected soil sample SOIL-116 from 8.0 - 9.0' bgs @ 12:35	[Pattern]
			72.8			10	[Pattern]	Silty SAND & GRAVEL, black, compact, wet (SM) Silty CLAY, black, stiff, moist (CH)			
			136.8			12	[Pattern]	SILT, trace Gravel, brown, saturated (ML)			
3	3	3	253.4		[Pattern]	12	[Pattern]	SILT, brown, stiff, wet (ML)			
			>15,000			14	[Pattern]	SILT, brown, soft, saturated (ML)			
			117.8			15	[Pattern]	End of Boring at 15 ft			
			138			16					
			206.8			18					
			43.9								
			66.0								
			22.8								
			35.1								

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**Former Coyne Laundry
SUBSURFACE LOG
HOLE NUMBER SOIL-118**

PROJECT NUMBER: 33525

04/24/2018

Page 1 of 1

LOCATION: Syracuse, New York

DRILL FLUID:

DRILLING METHOD: Direct Push - Macrocore

CLIENT: Ranalli/Taylor St., LLC

CONTRACTOR: NYEG

DRILLER: Tom/Jesse

INSPECTOR: K. Ehmann

START DATE and TIME: 4/4/2018 3:00:00 PM

FINISH DATE and TIME: 4/4/2018 3:20:00 PM

SURFACE
ELEV:

CHECKED BY:

WATER LEVEL OBSERVATIONS	DATE	TIME	WATER DEPTH (ft)	CASING BOTTOM (ft)	HOLE BOTTOM (ft)

SAMP./CORE NUMBER	SAMP. ADV. (ft) LEN. CORE (ft)	RECOVERY (ft)	PID Readings (ppm)	"N" Value or RQD%	SAMPLE	DEPTH (Feet)	GRAPHICS	DESCRIPTION AND CLASSIFICATION	ELEVATION (Feet)	Remarks on Character of Drilling, Water Return, etc.	WATER LEVELS AND/OR WELL DATA
1	5	3.5	1.9			0		CONCRETE	1.9		
						1		SUBBASE , GRAVEL, gray and black, loose, wet (from coring) (GW)			
						2		FILL : GRAVEL, angular, gray, loose, moist (GW)			
						3		FILL : fmc SAND, some Silt, brown, compact, moist (SM)			
2	5	3.8	0.1			4		FILL : GRAVEL, angular, gray, loose (GW)	3.8		
						5		FILL : GRAVEL, angular, gray, loose (GW)			
						6		Silty CLAY , gray, soft, moist (CH)			
						7		Silty CLAY , black, soft, moist (CH)			
3	5	5	0.0			8		SILT & SAND , brown, stiff, moist (SM/ML)	5	Collected soil sample SOIL-118 from 7.0 - 8.0' bgs @ 15:30	
						9		SILT & CLAY , gray, soft, moist (ML/CL)			
						10		Silty CLAY , black, stiff, moist (CH)			
						11		Clayey SILT , brown, soft, moist (ML)			
						12		Clayey SILT , black, soft, moist (ML)			
						14		SAND & GRAVEL , black, compact, moist (SW)			
						15		End of Boring at 15 ft			
						16					
						18					

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PROJECT NUMBER: 33525

04/24/2018

**Former Coyne Laundry
SUBSURFACE LOG
HOLE NUMBER SOIL-119**

Page 1 of 1

LOCATION: Syracuse, New York

DRILL FLUID:

DRILLING METHOD: Direct Push - Macrocore

CLIENT: Ranalli/Taylor St., LLC

CONTRACTOR: NYEG

DRILLER: Tom/Jesse

INSPECTOR: K. Ehmann

START DATE and TIME: 4/4/2018 1:45:00 PM

FINISH DATE and TIME: 4/4/2018 2:00:00 PM

SURFACE
ELEV:

CHECKED BY:

WATER LEVEL OBSERVATIONS	DATE	TIME	WATER DEPTH (ft)	CASING BOTTOM (ft)	HOLE BOTTOM (ft)

SAMP./CORE NUMBER	SAMP. ADV. (ft) LEN. CORE (ft)	RECOVERY (ft)	PID Readings (ppm)	"N" Value or RQD%	SAMPLE	DEPTH (Feet)	GRAPHICS	DESCRIPTION AND CLASSIFICATION	ELEVATION (Feet)	Remarks on Character of Drilling, Water Return, etc.	WATER LEVELS AND/OR WELL DATA
1	5	3	2.9			0		CONCRETE			
			8.3			2		SUBBASE, SAND & GRAVEL , brown, compact (SW)			
			69.9			2		FILL: SAND , light brown, loose, moist (SW)			
			18.3			4		FILL: Silty CLAY & SAND , brown, stiff, moist (CL/SC)			
			1.6			4		FILL: GRAVEL & SAND , black, loose, moist (GW)			
			7.2			6		FILL: Silty CLAY , brown, stiff, moist (CH)			
2	5	3.3	72			6		FILL: BRICK FRAGMENTS , red (SW)			
			32.3			6		FILL: SILT , black, stiff, moist (ML)			
			9.7			6		FILL: Charcoal Fragments , black (GW)			
			72			8		FILL: SAND & GRAVEL , red, compact, moist (SW)			
3	5	1.3	72			8		FILL: SAND & GRAVEL , gray, loose, moist (SW)			
			32.3			10		Silty CLAY , some Sand, gray, stiff, moist (CL)			
			125.4			10		Silty CLAY , dark gray, stiff, moist (CH)			Collected soil sample SOIL-119 from 9.0 - 10.0' bgs @ 13:05
			82.0			12					
			37.0			14					
						16		End of Boring at 15 ft			
						18					

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PROJECT NUMBER: 33525

04/24/2018

**Former Coyne Laundry
SUBSURFACE LOG
HOLE NUMBER SOIL-120**

Page 1 of 1

LOCATION: Syracuse, New York

DRILL FLUID:

DRILLING METHOD: Direct Push - Macrocore

CLIENT: Ranalli/Taylor St., LLC

CONTRACTOR: NYEG

DRILLER: Tom/Jesse

INSPECTOR: K. Ehmann

START DATE and TIME: 4/4/2018 2:15:00 PM

FINISH DATE and TIME: 4/4/2018 2:30:00 PM

SURFACE
ELEV:

CHECKED BY:

DATE	TIME	WATER DEPTH (ft)	CASING BOTTOM (ft)	HOLE BOTTOM (ft)

SAMP./CORE NUMBER	SAMP. ADV. (ft)	RECOVERY (ft)	PID Readings (ppm)	"N" Value or RQD%	SAMPLE	DEPTH (Feet)	GRAPHICS	DESCRIPTION AND CLASSIFICATION	ELEVATION (Feet)	Remarks on Character of Drilling, Water Return, etc.	WATER LEVELS AND/OR WELL DATA
1	5	1.3	2.4			0		CONCRETE			
			0.8			1		SUBBASE , GRAVEL, gray, loose, wet (from coring) (GW)			
						2		FILL , SILT, trace Sand, brown, compact, moist (ML)			
						4		FILL , GRAVEL, gray, loose, dry (GW) FILL , Silty CLAY & GRAVEL, gray, compact, moist (CL)			
2	5	3.6	3.9			5		FILL , SAND & GRAVEL, brown, compact, wet (SW)			
						6		FILL , SAND & GRAVEL, black, loose, moist (SW)			
			1.5			7		FILL , Silty SAND & GRAVEL, gray, wet (SM)			
			0.3			8		FILL , Silty SAND, dark gray, wet (SM)			
			0.9			8		FILL , SAND & GRAVEL, gray, saturated (SW)			
3	5	4.5	0.4			9		CLAY & SILT , dark gray, stiff, moist (CL-ML)			
			0.5			10		SILT , black & gray, stiff, moist (ML)			
			0.4			11					
			0.5			12		SILT , gray, soft, moist (ML)			
			0.3			13					
					14		Silty CLAY , gray, stiff, moist (CH) SILT , gray, soft, moist (ML)				
					15		End of Boring at 15 ft				
					16						
					18						

Collected soil sample SOIL-120 from 10.0 - 11.0' bgs @ 14:40

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PROJECT NUMBER: 33525

04/24/2018

**Former Coyne Laundry
SUBSURFACE LOG
HOLE NUMBER SOIL-121**

Page 1 of 1

LOCATION: Syracuse, New York

DRILL FLUID:

DRILLING METHOD: Direct Push - Macrocore

CLIENT: Ranalli/Taylor St., LLC

CONTRACTOR: NYEG

DRILLER: Tom/Jesse

INSPECTOR: K. Ehmann

START DATE and TIME: 4/4/2018 3:30:00 PM

FINISH DATE and TIME: 4/4/2018 3:50:00 PM

SURFACE
ELEV:

CHECKED BY:

DATE	TIME	WATER DEPTH (ft)	CASING BOTTOM (ft)	HOLE BOTTOM (ft)

SAMP./CORE NUMBER	SAMP. ADV. (ft)	LEN. CORE (ft)	RECOVERY (ft)	PID Readings (ppm)	"N" Value or RQD%	SAMPLE	DEPTH (Feet)	GRAPHICS	DESCRIPTION AND CLASSIFICATION	ELEVATION (Feet)	Remarks on Character of Drilling, Water Return, etc.	WATER LEVELS AND/OR WELL DATA
1	5	1.8		0.1			2		CONCRETE			
									SUBBASE , GRAVEL, gray, loose, wet (from coring) (GW)			
							4		FILL , SAND & GRAVEL, little Brick Fragments, red, black, orange, and brown, moist (SW)			
									FILL , SAND, brown, loose, moist (SW) FILL , Silty CLAY, brown, stiff, moist (CH)			
				0.2			6		Silty CLAY , trace Gravel, brown, stiff, moist (CH)			
2	5	4		0.3			8		SILT , Black, stiff, moist (ML)			
							10		CLAY & GRAVEL , black, stiff, moist (CL)			
									SILT , light brown, stiff, wet (ML)			
3	5	4.4		0.1			12		SILT & SAND , black, wet (SM/ML)			
							14		SAND & GRAVEL , black to brown, wet (SW)			
									End of Boring at 15 ft			
							16					
							18					

Collected soil sample SOIL-121 from 9.0 - 10.0' bgs @ 16:00

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PROJECT NUMBER: 33525

04/24/2018

**Former Coyne Laundry
SUBSURFACE LOG
HOLE NUMBER SOIL-122**

Page 1 of 1

LOCATION: Syracuse, New York

DRILL FLUID:

DRILLING METHOD: Direct Push - Macrocore

CLIENT: Ranalli/Taylor St., LLC

CONTRACTOR: NYEG

DRILLER: Tom/Jesse

INSPECTOR: K. Ehmann

START DATE and TIME: 4/6/2018 10:00:00 AM

FINISH DATE and TIME: 4/6/2018 10:20:00 AM

SURFACE
ELEV:

CHECKED BY:

DATE	TIME	WATER DEPTH (ft)	CASING BOTTOM (ft)	HOLE BOTTOM (ft)

SAMP./CORE NUMBER	SAMP. ADV. (ft)	RECOVERY (ft)	PID Readings (ppm)	"N" Value or RQD%	SAMPLE	DEPTH (Feet)	GRAPHICS	DESCRIPTION AND CLASSIFICATION	ELEVATION (Feet)	Remarks on Character of Drilling, Water Return, etc.	WATER LEVELS AND/OR WELL DATA
1	5	3.4	0.0			0		ASPHALT PAVEMENT			
						1		SUBBASE, GRAVEL & ASPHALT , gray to black, medium compact (GW)			
						2		FILL, SAND & GRAVEL , grayish brown to black, compact, moist (SW)			
						3		FILL, SAND , some Brick Fragments, red to orange, compact, moist (SW)			
						4		FILL, SAND & GRAVEL , brown, compact, moist (SW)			
2	5	3.8	0.0			5		Silty CLAY , brown, stiff, moist (CH) Silty CLAY , gray to brown, stiff, moist (CH)			
						10		SAND & SILT , gray, compact, wet (SM/ML)			
3	5	4.8	0.0			10		SAND & GRAVEL , brown, loose to compact, saturated to wet (SW)			
						12					
						14					
								End of Boring at 15 ft			
									Collected soil sample SOIL-122 from 9.0 - 10.0' bgs @ 10:10		

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**Former Coyne Laundry
SUBSURFACE LOG
HOLE NUMBER SOIL-123**

PROJECT NUMBER: 33525

04/24/2018

Page 1 of 1

LOCATION: Syracuse, New York

DRILL FLUID:

DRILLING METHOD: Direct Push - Macrocore

CLIENT: Ranalli/Taylor St., LLC

CONTRACTOR: NYEG

DRILLER: Tom/Jesse

INSPECTOR: K. Ehmann

START DATE and TIME: 4/6/2018 9:30:00 AM

FINISH DATE and TIME: 4/6/2018 9:50:00 AM

SURFACE
ELEV:

CHECKED BY:

WATER LEVEL
OBSERVATIONS

DATE

TIME

WATER
DEPTH (ft)

CASING
BOTTOM (ft)

HOLE
BOTTOM (ft)

SAMP./CORE NUMBER	SAMP. ADV. (ft)	LEN. CORE (ft)	RECOVERY (ft)	PID Readings (ppm)	"N" Value or RQD%	SAMPLE	DEPTH (Feet)	GRAPHICS	DESCRIPTION AND CLASSIFICATION	ELEVATION (Feet)	Remarks on Character of Drilling, Water Return, etc.	WATER LEVELS AND/OR WELL DATA
1	5	3.8		0.0			0		ASPHALT PAVEMENT			
							1		SUBBASE , GRAVEL mixed with ASPHALT, loose (GW)			
							2		FILL , SAND & GRAVEL, brown, compact, moist (SW)			
							3		FILL , SAND & GRAVEL, gray, compact, moist (SW)			
2	5	4		0.0			4		FILL , Silty CLAY, brown, stiff, moist (CH)			
							5		FILL , Silty CLAY, brown, stiff, moist, debris material at 7.5' (CH)			
							7		Silty CLAY , dark brown, stiff, moist (CH)			
							8		Silty CLAY , gray, stiff, moist (CH)			
3	5	4.5		0.0			10		Silty CLAY , gray, stiff, moist (CH)			
							11		Silty CLAY , gray, stiff, moist (CH)			
							12		SAND , some Silt, gray, loose, wet (SM)			
							14		SAND & GRAVEL , gray, compact, wet (SW)			
4	5	4.5					15		SAND & GRAVEL , gray, loose, wet (SW)		Collected soil sample SOIL-123 from 12.0 - 14.0' bgs @ 09:50	
							16		SAND , gray, loose, wet (SW)			
							17		SAND & GRAVEL , gray, wet (SW)			
							18		Silty CLAY , brown, stiff, wet (CH)			

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End of Boring at 20 ft

APPENDIX D

Well Construction Logs



WELL CONSTRUCTION LOG

BORING NO. _____

WELL NO. GW-100

PROJECT & LOCATION: Former Coyne Textile Facility, 140 Cortland Ave, Syracuse, NY

CLIENT: Ranalli/Taylor St. LLC

PROJECT NO.: 33525.1002.46000

CONTRACTOR: NYEG

SHEET NO.: 1 OF 1

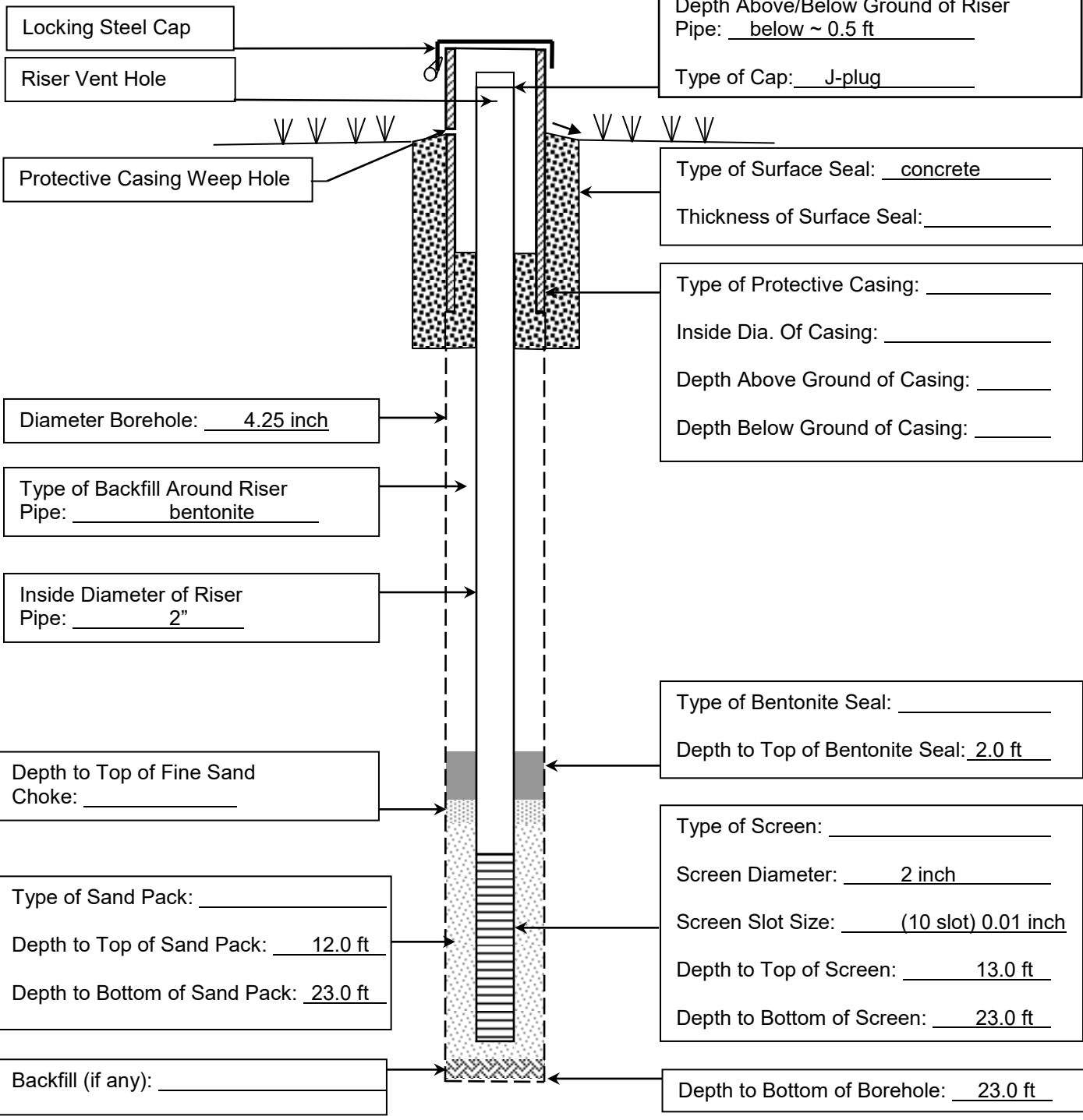
ELEVATION: _____

START DATE: 4/10/2018 TIME: 0945

FINISH DATE: 4/10/2018 TIME: 1100

DRILLER: Tom/Jesse, of NYEG

INSPECTOR: K.Ehmann





WELL CONSTRUCTION LOG

BORING NO.
WELL NO. GW-101 S
PROJECT NO.: 33525.1002.46000
SHEET NO.: 1 OF 1
ELEVATION:
START DATE: 4/11/2018 TIME: 1500
FINISH DATE: 4/12/2018 TIME: 0930
DRILLER: Tom/Chris, of NYEG
INSPECTOR: K.Ehmann

PROJECT & LOCATION: Former Coyne Textile Facility, 140 Cortland Ave, Syracuse, NY

CLIENT: Ranalli/Taylor St. LLC

CONTRACTOR: NYEG

Locking Steel Cap

Riser Vent Hole

Protective Casing Weep Hole

Diameter Borehole: 4.25 inch

Type of Backfill Around Riser Pipe: bentonite

Inside Diameter of Riser Pipe: 2"

Depth to Top of Fine Sand Choke:

Type of Sand Pack:
Depth to Top of Sand Pack: 9.0 ft
Depth to Bottom of Sand Pack: 20.0 ft

Backfill (if any):

Depth Above/Below Ground of Riser Pipe: below ~ 0.5 ft
Type of Cap: J-plug

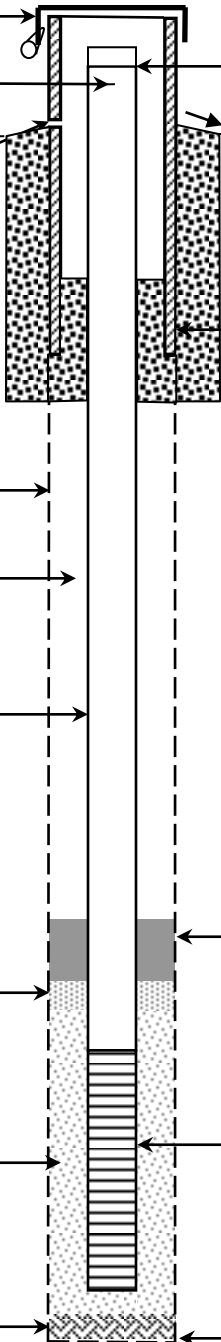
Type of Surface Seal: concrete
Thickness of Surface Seal:

Type of Protective Casing:
Inside Dia. Of Casing:
Depth Above Ground of Casing:
Depth Below Ground of Casing:

Type of Bentonite Seal:
Depth to Top of Bentonite Seal: 2.0 ft

Type of Screen:
Screen Diameter: 2 inch
Screen Slot Size: (10 slot) 0.01 inch
Depth to Top of Screen: 10.0 ft
Depth to Bottom of Screen: 20.0 ft

Depth to Bottom of Borehole: 20.0 ft





WELL CONSTRUCTION LOG

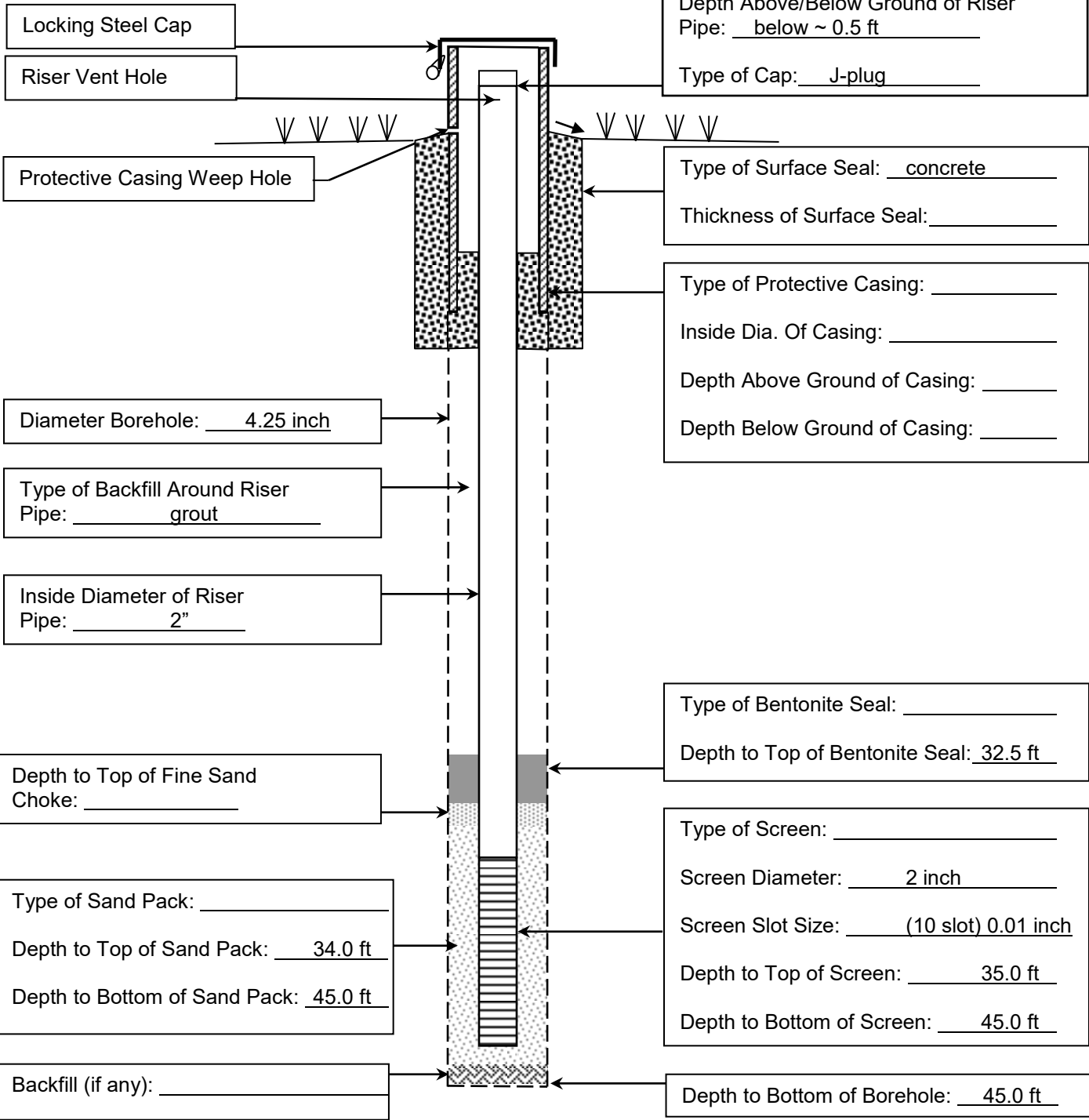
BORING NO.
WELL NO. GW-101 I
PROJECT NO.: 33525.1002.46000
SHEET NO.: 1 OF 1
ELEVATION:
START DATE: 4/11/2018 TIME: 1220
FINISH DATE: 4/11/2018 TIME: 1430
DRILLER: Tom/Chris, of NYEG
INSPECTOR: K.Ehmann

PROJECT & LOCATION: Former Coyne Textile Facility, 140 Cortland Ave, Syracuse, NY

CLIENT: Ranalli/Taylor St. LLC

CONTRACTOR: NYEG

PID readings in cuttings ~ 2.5 ppm
Slight solvent-like odor



Locking Steel Cap

Riser Vent Hole

Protective Casing Weep Hole

Diameter Borehole: 4.25 inch

Type of Backfill Around Riser Pipe: grout

Inside Diameter of Riser Pipe: 2"

Depth to Top of Fine Sand Choke: _____

Type of Sand Pack: _____
Depth to Top of Sand Pack: 34.0 ft
Depth to Bottom of Sand Pack: 45.0 ft

Backfill (if any): _____

Depth Above/Below Ground of Riser Pipe: below ~ 0.5 ft
Type of Cap: J-plug

Type of Surface Seal: concrete
Thickness of Surface Seal: _____

Type of Protective Casing: _____
Inside Dia. Of Casing: _____
Depth Above Ground of Casing: _____
Depth Below Ground of Casing: _____

Type of Bentonite Seal: _____
Depth to Top of Bentonite Seal: 32.5 ft

Type of Screen: _____
Screen Diameter: 2 inch
Screen Slot Size: (10 slot) 0.01 inch
Depth to Top of Screen: 35.0 ft
Depth to Bottom of Screen: 45.0 ft

Depth to Bottom of Borehole: 45.0 ft



WELL CONSTRUCTION LOG

BORING NO.
WELL NO. GW-101 D
PROJECT NO.: 33525.1002.46000
SHEET NO.: 1 OF 1
ELEVATION:
START DATE: 4/12/2018 TIME: 0950
FINISH DATE: 4/13/2018 TIME: 1430
DRILLER: Tom/Chris, of NYEG
INSPECTOR: K.Ehmann

PROJECT & LOCATION: Former Coyne Textile Facility, 140 Cortland Ave, Syracuse, NY
 CLIENT: Ranalli/Taylor St. LLC
 CONTRACTOR: NYEG

Locking Steel Cap

Riser Vent Hole

Protective Casing Weep Hole

Diameter Borehole: 4.25 inch

Type of Backfill Around Riser Pipe: grout

Inside Diameter of Riser Pipe: 2"

Depth to Top of Fine Sand Choke:

Type of Sand Pack:

Depth to Top of Sand Pack: 61.0 ft

Depth to Bottom of Sand Pack: 72.0 ft

Backfill (if any):

Depth Above/Below Ground of Riser Pipe: below ~ 0.5 ft

Type of Cap: J-plug

Type of Surface Seal: concrete

Thickness of Surface Seal:

Type of Protective Casing:

Inside Dia. Of Casing:

Depth Above Ground of Casing:

Depth Below Ground of Casing:

Type of Bentonite Seal:

Depth to Top of Bentonite Seal: 59.0 ft

Type of Screen:

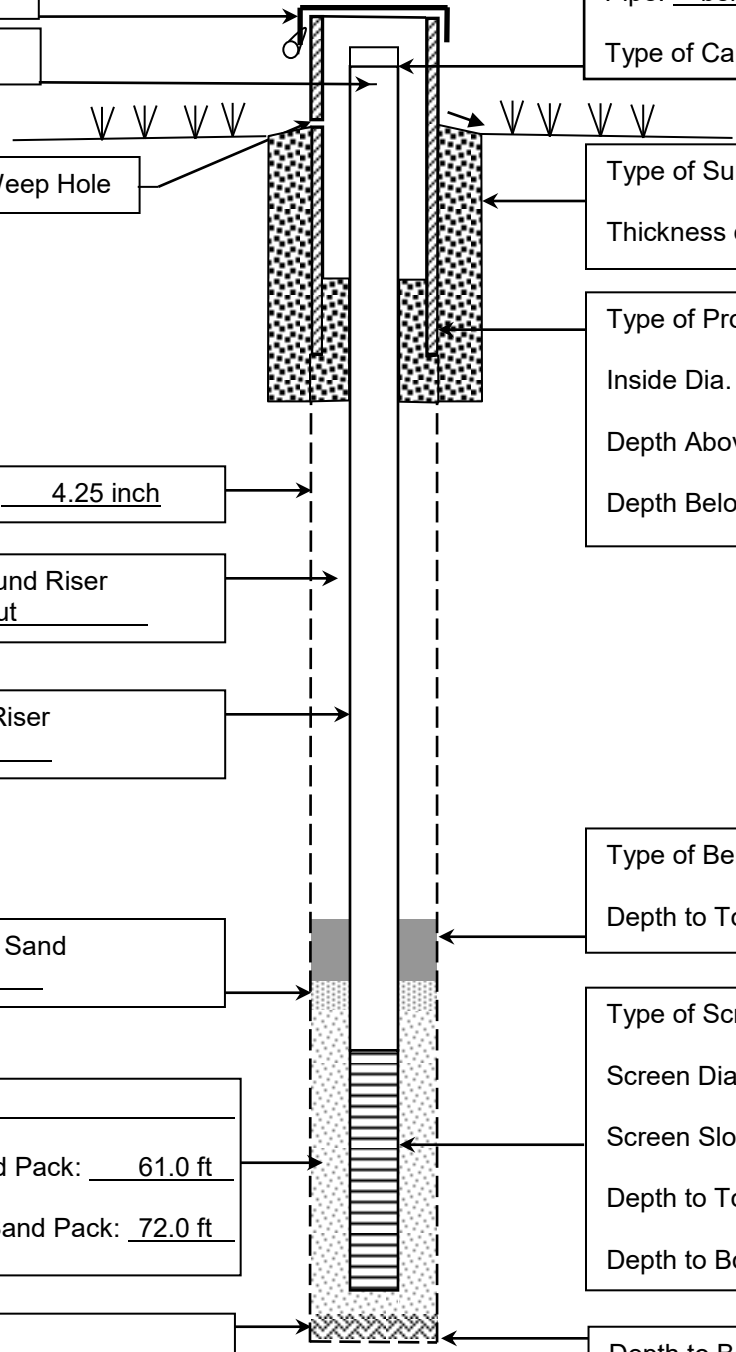
Screen Diameter: 2 inch

Screen Slot Size: (10 slot) 0.01 inch

Depth to Top of Screen: 62.0 ft

Depth to Bottom of Screen: 72.0 ft

Depth to Bottom of Borehole: 72.0 ft





WELL CONSTRUCTION LOG

BORING NO.
WELL NO. GW-102
PROJECT NO.: 33525.1002.46000
SHEET NO.: 1 OF 1
ELEVATION:
START DATE: 4/9/2018 TIME: 1045
FINISH DATE: 4/9/2018 TIME: 1230
DRILLER: Tom/Jesse, of NYEG
INSPECTOR: K.Ehmann

PROJECT & LOCATION: Former Coyne Textile Facility, 140 Cortland Ave, Syracuse, NY

CLIENT: Ranalli/Taylor St. LLC

CONTRACTOR: NYEG

Soil cuttings from ~ 20 to 24 ft bgs had PID = 30.9 ppm

Strong solvent-like odor
Breathing zone PID = 1.7 ppm at 1130
Breathing zone PID = 3 ppm at 1145

Locking Steel Cap

Riser Vent Hole

Protective Casing Weep Hole

Diameter Borehole: 4.25 inch

Type of Backfill Around Riser Pipe: bentonite

Inside Diameter of Riser Pipe: 2"

Depth to Top of Fine Sand Choke:

Type of Sand Pack:
Depth to Top of Sand Pack: 12.0 ft
Depth to Bottom of Sand Pack: 24.0 ft

Backfill (if any):

Depth Above/Below Ground of Riser Pipe: below ~ 0.5 ft
Type of Cap: J-plug

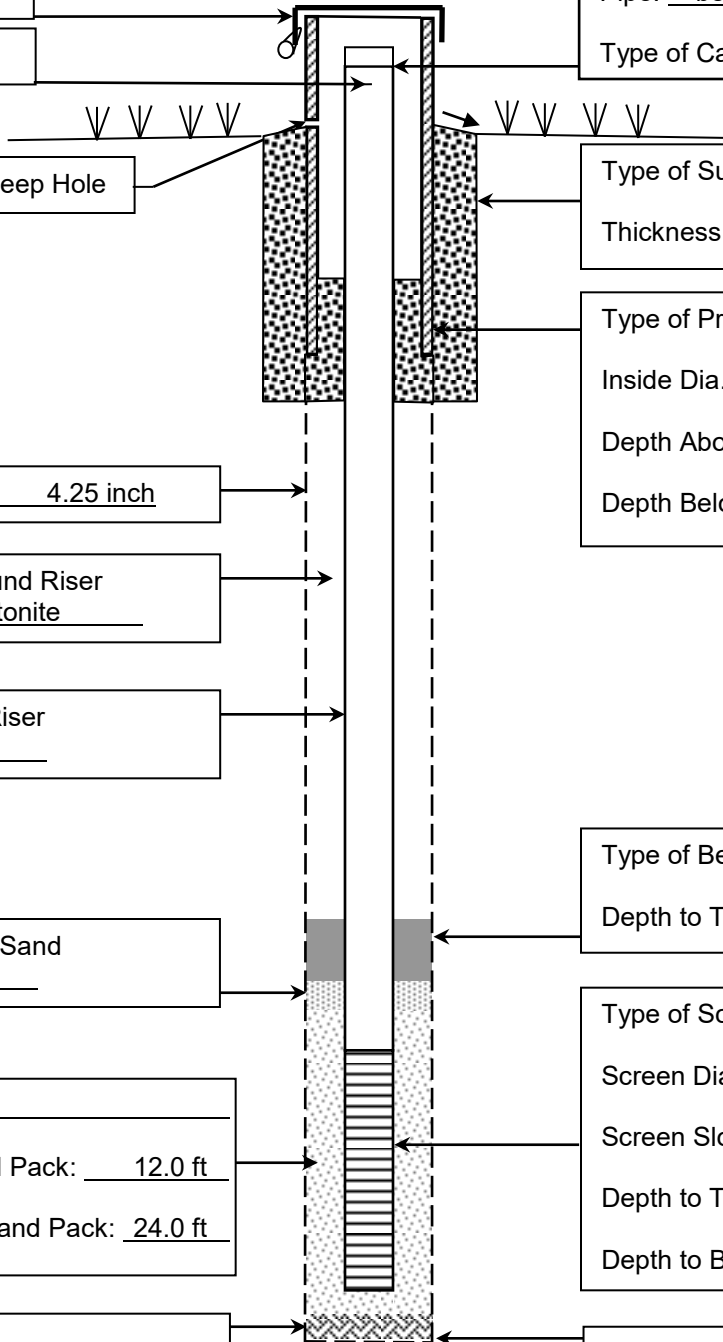
Type of Surface Seal: concrete
Thickness of Surface Seal:

Type of Protective Casing:
Inside Dia. Of Casing:
Depth Above Ground of Casing:
Depth Below Ground of Casing:

Type of Bentonite Seal:
Depth to Top of Bentonite Seal: 4.0 ft

Type of Screen:
Screen Diameter: 2 inch
Screen Slot Size: (10 slot) 0.01 inch
Depth to Top of Screen: 14.0 ft
Depth to Bottom of Screen: 24.0 ft

Depth to Bottom of Borehole: 24.0 ft





WELL CONSTRUCTION LOG

BORING NO.	
WELL NO.	GW-103 S
PROJECT NO.:	33525.1002.46000
SHEET NO.:	1 OF 1
ELEVATION:	
START DATE:	4/16/2018
TIME:	0845
FINISH DATE:	4/16/2018
TIME:	1000
DRILLER:	Tom/Chris, of NYEG
INSPECTOR:	K.Ehmann

PROJECT & LOCATION: Former Coyne Textile Facility, 140 Cortland Ave, Syracuse, NY

CLIENT: Ranalli/Taylor St. LLC

CONTRACTOR: NYEG

Soil cuttings PID = 3.2 ppm, 5.7 ppm

Locking Steel Cap

Riser Vent Hole

Protective Casing Weep Hole

Diameter Borehole: 4.25 inch

Type of Backfill Around Riser Pipe: bentonite

Inside Diameter of Riser Pipe: 2"

Depth to Top of Fine Sand Choke:

Type of Sand Pack:
Depth to Top of Sand Pack: 5.0 ft
Depth to Bottom of Sand Pack: 17.0 ft

Backfill (if any):

Depth Above/Below Ground of Riser Pipe: below ~ 0.5 ft
Type of Cap: J-plug

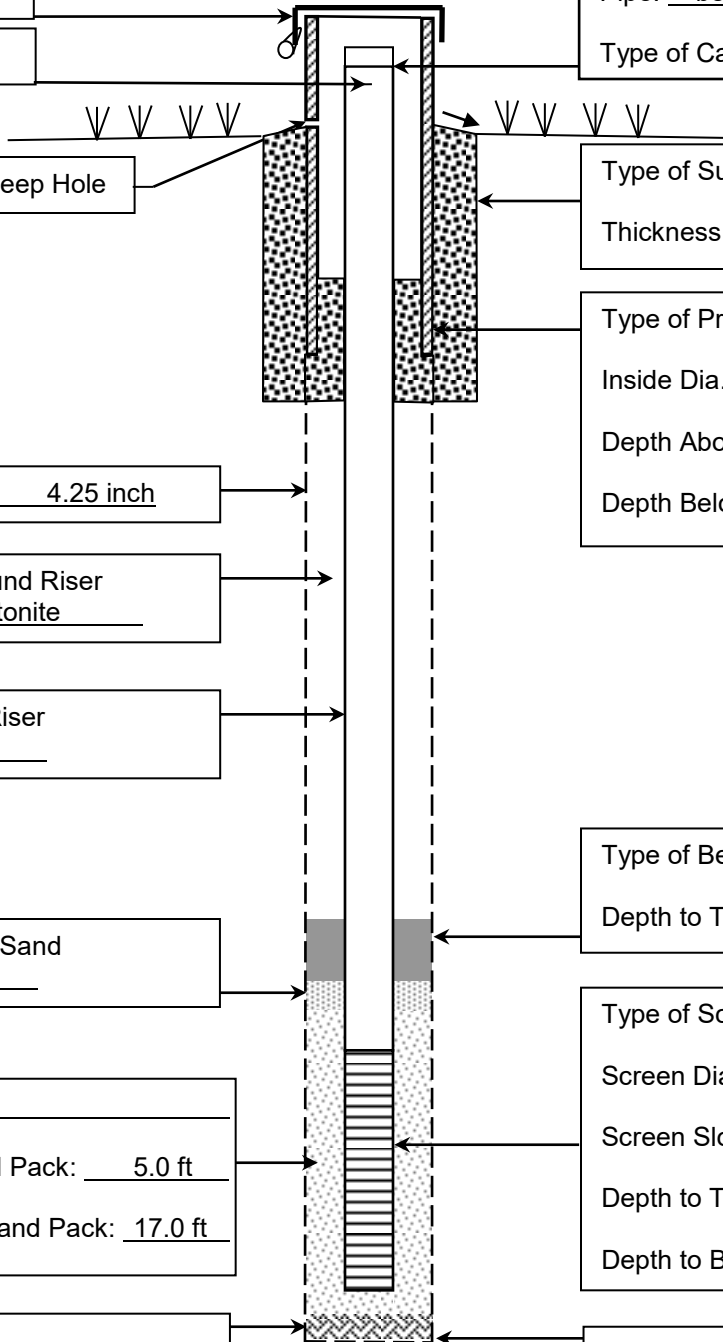
Type of Surface Seal: concrete
Thickness of Surface Seal:

Type of Protective Casing:
Inside Dia. Of Casing:
Depth Above Ground of Casing:
Depth Below Ground of Casing:

Type of Bentonite Seal:
Depth to Top of Bentonite Seal: 2.0 ft

Type of Screen:
Screen Diameter: 2 inch
Screen Slot Size: (10 slot) 0.01 inch
Depth to Top of Screen: 6.0 ft
Depth to Bottom of Screen: 16.0 ft

Depth to Bottom of Borehole: 17.0 ft





WELL CONSTRUCTION LOG

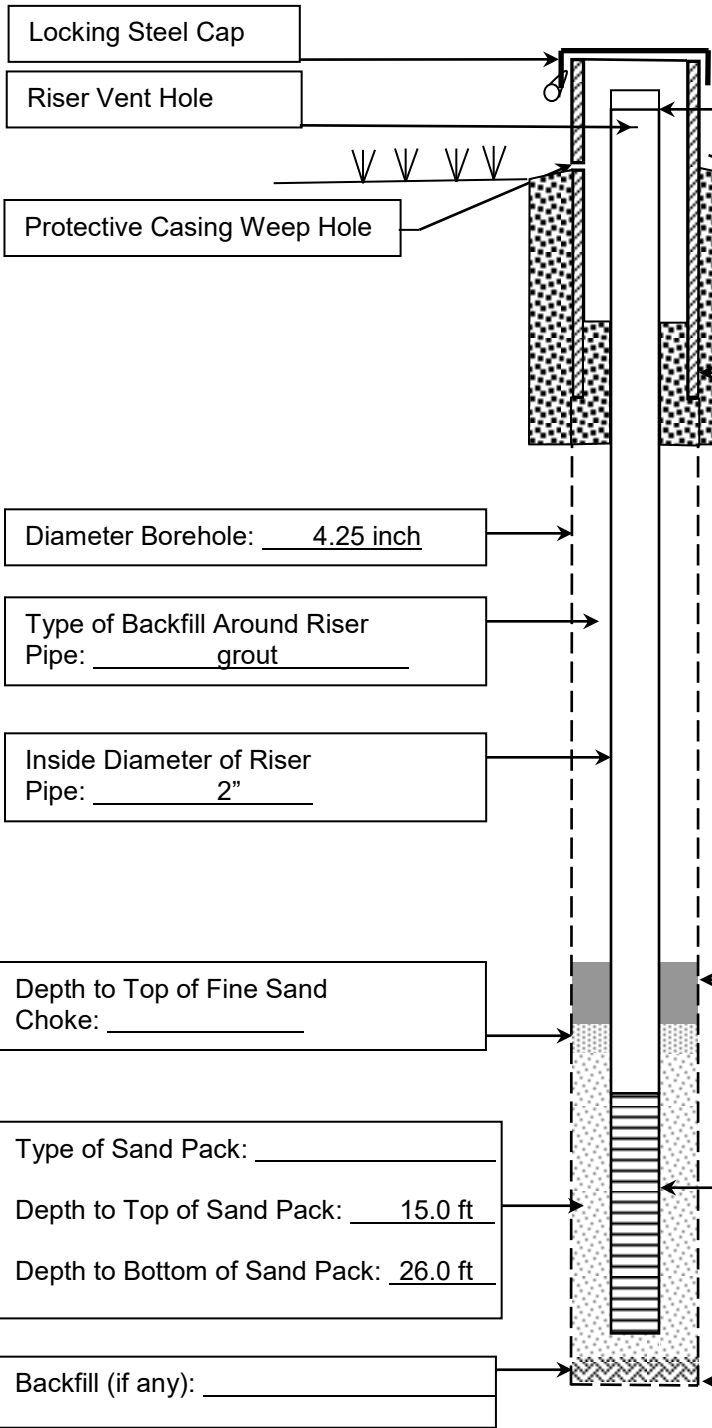
BORING NO.	
WELL NO.	GW-103 D
PROJECT NO.:	33525.1002.46000
SHEET NO.:	1 OF 1
ELEVATION:	
START DATE:	4/16/2018 TIME: 1000
FINISH DATE:	4/16/2018 TIME: 1200
DRILLER:	Tom/Chris, of NYEG
INSPECTOR:	K.Ehmann

PROJECT & LOCATION: Former Coyne Textile Facility, 140 Cortland Ave, Syracuse, NY

CLIENT: Ranalli/Taylor St. LLC

CONTRACTOR: NYEG

Soil cuttings PID = 41.2 ppm



Locking Steel Cap

Riser Vent Hole

Protective Casing Weep Hole

Diameter Borehole: 4.25 inch

Type of Backfill Around Riser Pipe: grout

Inside Diameter of Riser Pipe: 2"

Depth to Top of Fine Sand Choke:

Type of Sand Pack:
Depth to Top of Sand Pack: 15.0 ft
Depth to Bottom of Sand Pack: 26.0 ft

Backfill (if any):

Depth Above/Below Ground of Riser Pipe: below ~ 0.5 ft
Type of Cap: J-plug

Type of Surface Seal: concrete
Thickness of Surface Seal:

Type of Protective Casing:
Inside Dia. Of Casing:
Depth Above Ground of Casing:
Depth Below Ground of Casing:

Type of Bentonite Seal:
Depth to Top of Bentonite Seal: 3.0 ft

Type of Screen:
Screen Diameter: 2 inch
Screen Slot Size: (10 slot) 0.01 inch
Depth to Top of Screen: 16.0 ft
Depth to Bottom of Screen: 26.0 ft

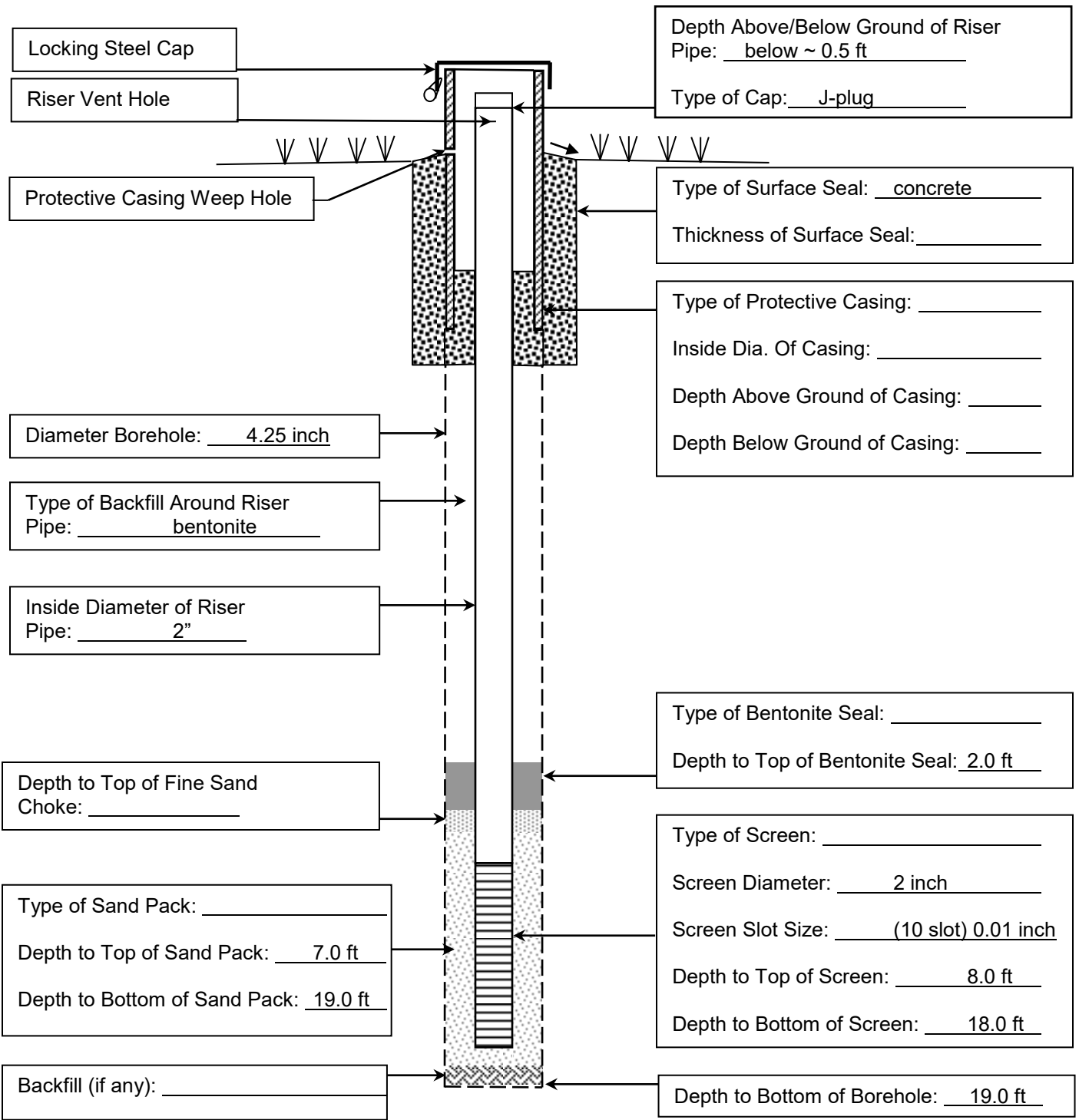
Depth to Bottom of Borehole: 26.0 ft



WELL CONSTRUCTION LOG

BORING NO. _____
 WELL NO. GW-104
 PROJECT NO.: 33525.1002.46000
 SHEET NO.: 1 OF 1
 ELEVATION: _____
 START DATE: 4/16/2018 TIME: 1330
 FINISH DATE: 4/16/2018 TIME: 1445
 DRILLER: Tom/Chris, of NYEG
 INSPECTOR: K.Ehmann

PROJECT & LOCATION: Former Coyne Textile Facility, 140 Cortland Ave, Syracuse, NY
 CLIENT: Ranalli/Taylor St. LLC
 CONTRACTOR: NYEG





WELL CONSTRUCTION LOG

BORING NO. _____
 WELL NO. GW-105 S
 PROJECT NO.: 33525.1002.46000
 SHEET NO.: 1 OF 1
 ELEVATION: _____
 START DATE: 4/17/2018 TIME: 1250
 FINISH DATE: 4/17/2018 TIME: 1400
 DRILLER: Tom/Chris, of NYEG
 INSPECTOR: K.Ehmann

PROJECT & LOCATION: Former Coyne Textile Facility, 140 Cortland Ave, Syracuse, NY

CLIENT: Ranalli/Taylor St. LLC

CONTRACTOR: NYEG

Locking Steel Cap

Riser Vent Hole

Protective Casing Weep Hole

Diameter Borehole: 4.25 inch

Type of Backfill Around Riser Pipe: bentonite

Inside Diameter of Riser Pipe: 2"

Depth to Top of Fine Sand Choke: _____

Type of Sand Pack: _____
 Depth to Top of Sand Pack: 7.0 ft
 Depth to Bottom of Sand Pack: 19.0 ft

Backfill (if any): _____

Depth Above/Below Ground of Riser Pipe: below ~ 0.5 ft
 Type of Cap: J-plug

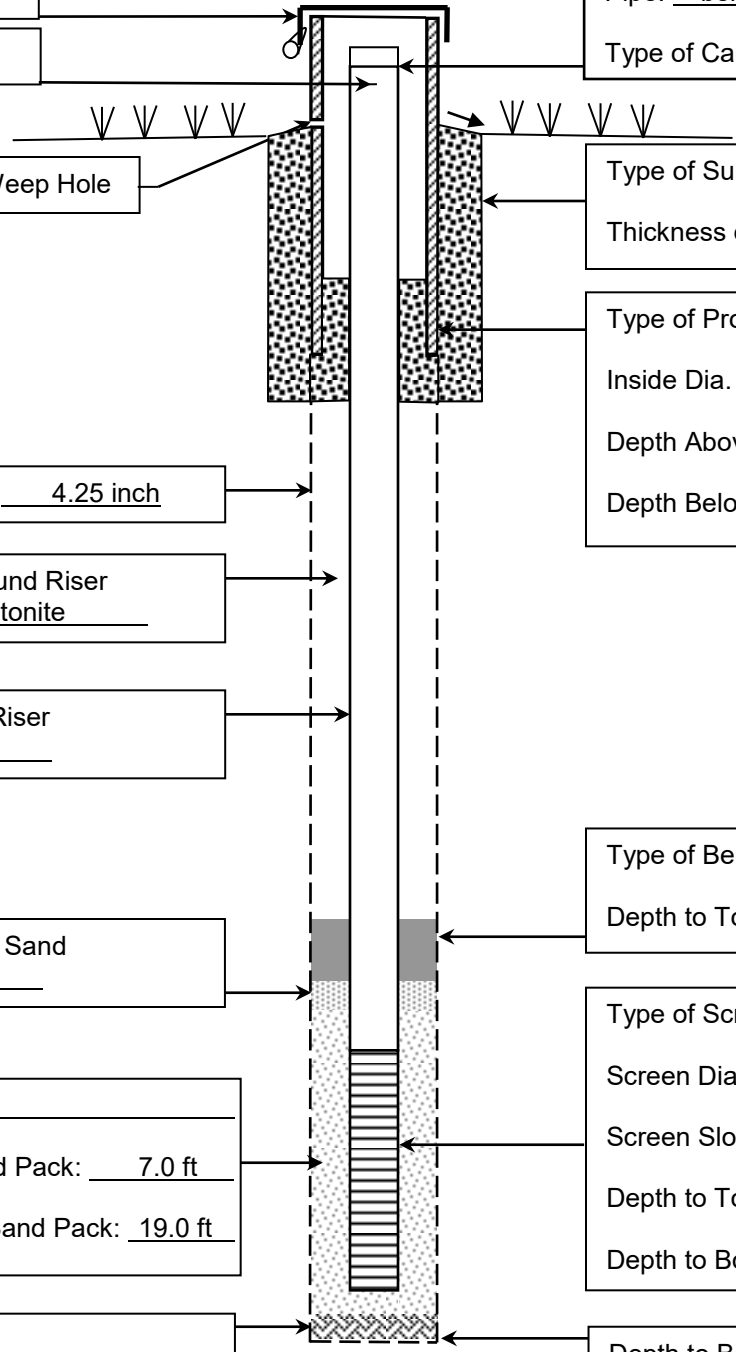
Type of Surface Seal: concrete
 Thickness of Surface Seal: _____

Type of Protective Casing: _____
 Inside Dia. Of Casing: _____
 Depth Above Ground of Casing: _____
 Depth Below Ground of Casing: _____

Type of Bentonite Seal: _____
 Depth to Top of Bentonite Seal: 2.0 ft

Type of Screen: _____
 Screen Diameter: 2 inch
 Screen Slot Size: (10 slot) 0.01 inch
 Depth to Top of Screen: 8.0 ft
 Depth to Bottom of Screen: 18.0 ft

Depth to Bottom of Borehole: 19.0 ft





WELL CONSTRUCTION LOG

BORING NO.
WELL NO. GW-105 D
PROJECT NO.: 33525.1002.46000
SHEET NO.: 1 OF 1
ELEVATION:
START DATE: 4/18/2018 TIME: 0730
FINISH DATE: 4/18/2018 TIME: 0850
DRILLER: Tom/Jesse, of NYEG
INSPECTOR: K.Ehmann

PROJECT & LOCATION: Former Coyne Textile Facility, 140 Cortland Ave, Syracuse, NY
 CLIENT: Ranalli/Taylor St. LLC
 CONTRACTOR: NYEG

Locking Steel Cap

Riser Vent Hole

Protective Casing Weep Hole

Diameter Borehole: 4.25 inch

Type of Backfill Around Riser Pipe: grout

Inside Diameter of Riser Pipe: 2"

Depth to Top of Fine Sand Choke:

Type of Sand Pack:

Depth to Top of Sand Pack: 19.0 ft

Depth to Bottom of Sand Pack: 30.0 ft

Backfill (if any):

Depth Above/Below Ground of Riser Pipe: below ~ 0.5 ft

Type of Cap: J-plug

Type of Surface Seal: concrete

Thickness of Surface Seal:

Type of Protective Casing:

Inside Dia. Of Casing:

Depth Above Ground of Casing:

Depth Below Ground of Casing:

Type of Bentonite Seal:

Depth to Top of Bentonite Seal: 2.0 ft

Type of Screen:

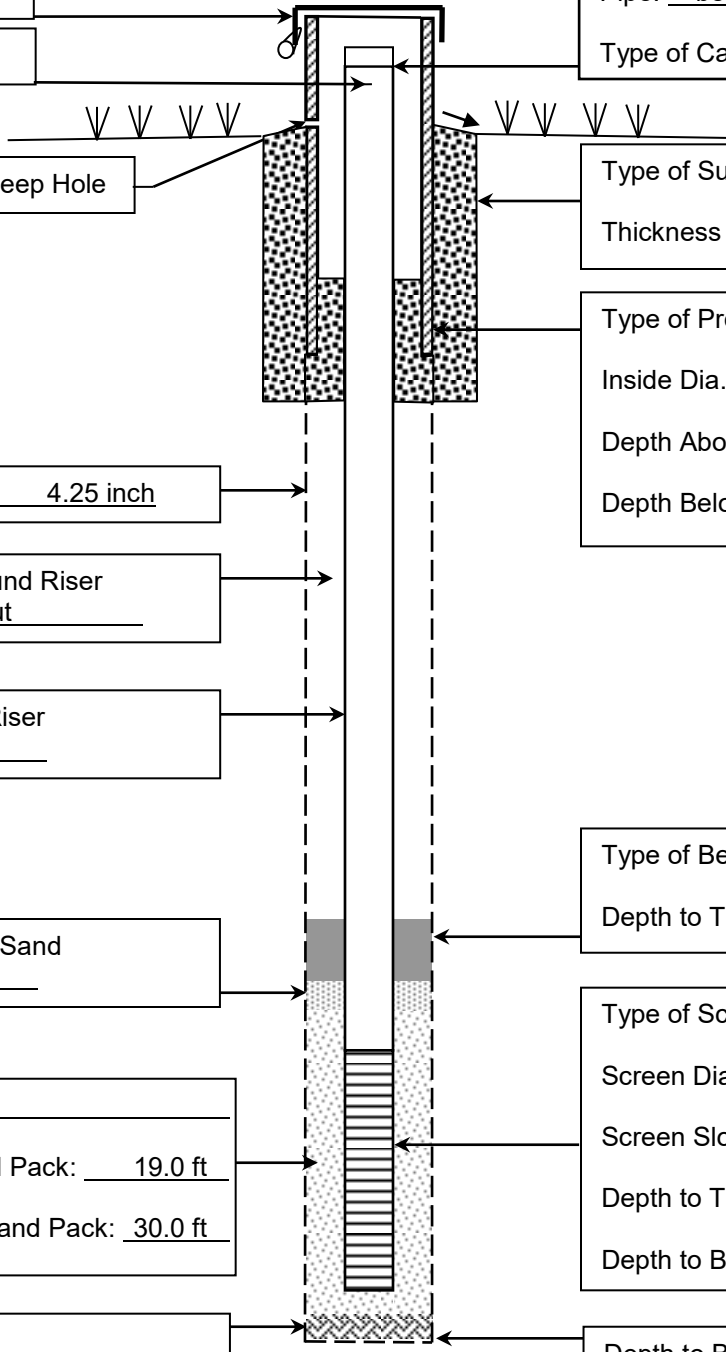
Screen Diameter: 2 inch

Screen Slot Size: (10 slot) 0.01 inch

Depth to Top of Screen: 20.0 ft

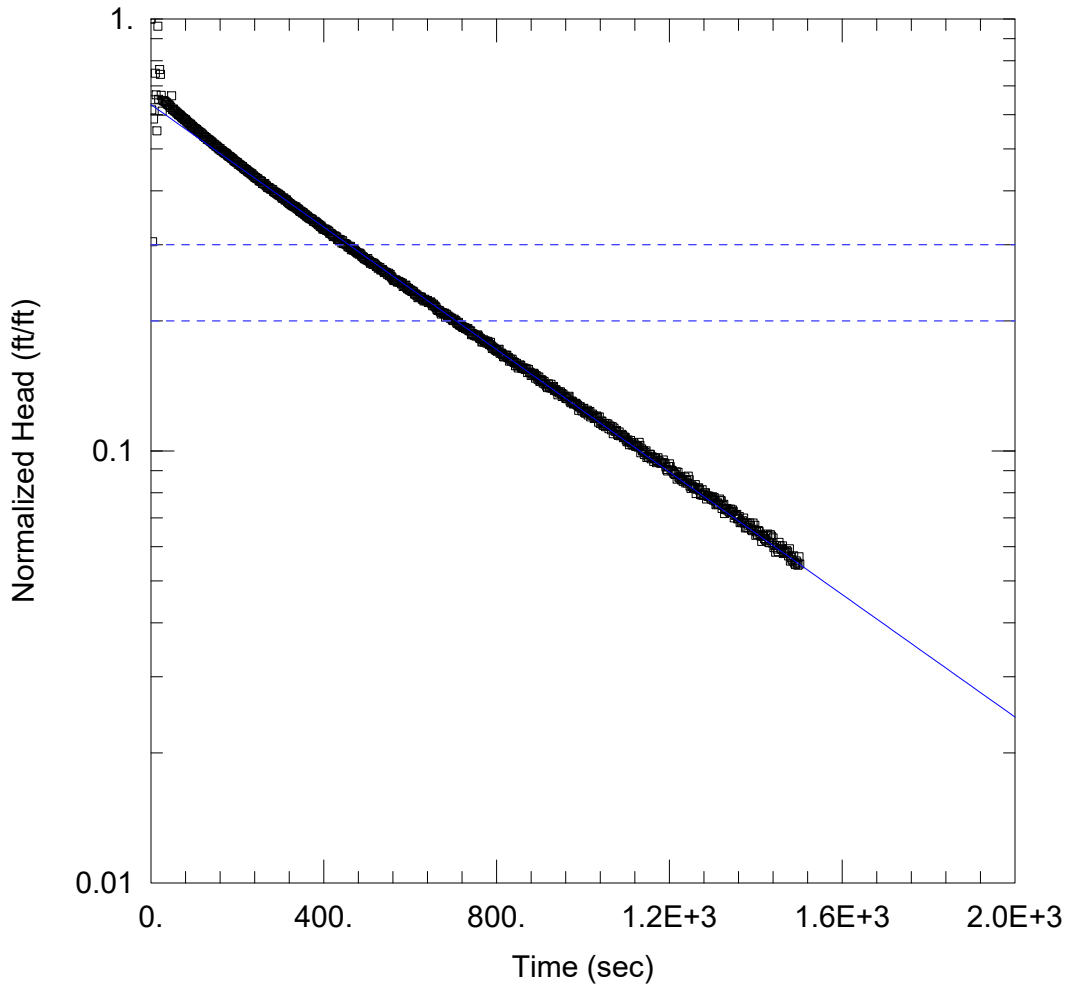
Depth to Bottom of Screen: 30.0 ft

Depth to Bottom of Borehole: 30.0 ft



APPENDIX E

Slug Test Report



GW101I_FHT

Data Set: V:\Projects\ANY\K4\33525\Data\Other\Slug Tests\GW101I_FHT\GW101I_FHT.aqt
 Date: 05/10/18 Time: 10:53:04

PROJECT INFORMATION

Company: CHA
 Client: Ranalli/Taylor St., LLC
 Project: 33525
 Location: Syracuse, NY
 Test Well: GW101I
 Test Date: 5/4/2018

AQUIFER DATA

Saturated Thickness: 73.76 ft Anisotropy Ratio (Kz/Kr): 1.

WELL DATA (GW101I)

Initial Displacement: 2.267 ft Static Water Column Height: 35.76 ft
 Total Well Penetration Depth: 35.76 ft Screen Length: 10. ft
 Casing Radius: 0.083 ft Well Radius: 0.177 ft

SOLUTION

Aquifer Model: Unconfined Solution Method: Bouwer-Rice
 K = 0.06538 ft/day y0 = 1.436 ft

Data Set: V:\Projects\ANY\K4\33525\Data\Other\Slug Tests\GW101I_FHT\GW101I_FHT.aqt
 Title: GW101I_FHT
 Date: 05/10/18
 Time: 10:53:19

PROJECT INFORMATION

Company: CHA
 Client: Ranalli/Taylor St., LLC
 Project: 33525
 Location: Syracuse, NY
 Test Date: 5/4/2018
 Test Well: GW101I

AQUIFER DATA

Saturated Thickness: 73.76 ft
 Anisotropy Ratio (Kz/Kr): 1.

SLUG TEST WELL DATA

Test Well: GW101I

X Location: 0. ft
 Y Location: 0. ft

Initial Displacement: 2.267 ft
 Static Water Column Height: 35.76 ft
 Casing Radius: 0.083 ft
 Well Radius: 0.177 ft
 Well Skin Radius: 0.354 ft
 Screen Length: 10. ft
 Total Well Penetration Depth: 35.76 ft

No. of Observations: 752

Time (sec)	Observation Data		Displacement (ft)
	Displacement (ft)	Time (sec)	
0.	2.267	752.	0.4182
2.	1.396	754.	0.4183
4.	0.6914	756.	0.4208
6.	1.33	758.	0.4183
8.	1.472	760.	0.414
10.	1.697	762.	0.4128
12.	1.513	764.	0.4121
14.	1.249	766.	0.4051
16.	2.181	768.	0.4068
18.	1.477	770.	0.4098
20.	1.73	772.	0.4047
22.	1.687	774.	0.4077
24.	1.509	776.	0.4063
26.	1.387	778.	0.4026
28.	1.465	780.	0.4063
30.	1.465	782.	0.4017
32.	1.462	784.	0.3996
34.	1.456	786.	0.4042
36.	1.451	788.	0.3968
38.	1.44	790.	0.3913
40.	1.436	792.	0.394
42.	1.43	794.	0.3907
44.	1.425	796.	0.3906
46.	1.414	798.	0.3879
48.	1.505	800.	0.3871
50.	1.398	802.	0.3856
52.	1.403	804.	0.3886
54.	1.391	806.	0.3898
56.	1.387	808.	0.3816

Time (sec)	Displacement (ft)	Time (sec)	Displacement (ft)
58.	1.382	810.	0.3816
60.	1.373	812.	0.3816
62.	1.371	814.	0.3792
64.	1.361	816.	0.3746
66.	1.36	818.	0.3742
68.	1.356	820.	0.3776
70.	1.347	822.	0.3765
72.	1.341	824.	0.3775
74.	1.336	826.	0.3725
76.	1.333	828.	0.3727
78.	1.324	830.	0.3659
80.	1.325	832.	0.3695
82.	1.316	834.	0.3658
84.	1.308	836.	0.3697
86.	1.305	838.	0.3654
88.	1.296	840.	0.3638
90.	1.294	842.	0.363
92.	1.294	844.	0.357
94.	1.282	846.	0.3616
96.	1.28	848.	0.3568
98.	1.273	850.	0.3528
100.	1.267	852.	0.3562
102.	1.264	854.	0.3584
104.	1.261	856.	0.358
106.	1.257	858.	0.3525
108.	1.249	860.	0.3526
110.	1.245	862.	0.3516
112.	1.241	864.	0.3529
114.	1.235	866.	0.35
116.	1.234	868.	0.3507
118.	1.227	870.	0.3511
120.	1.222	872.	0.3442
122.	1.214	874.	0.3501
124.	1.212	876.	0.3447
126.	1.205	878.	0.3448
128.	1.205	880.	0.3389
130.	1.193	882.	0.3411
132.	1.195	884.	0.342
134.	1.189	886.	0.3431
136.	1.187	888.	0.3414
138.	1.18	890.	0.3341
140.	1.177	892.	0.3387
142.	1.172	894.	0.3359
144.	1.165	896.	0.3321
146.	1.162	898.	0.3363
148.	1.159	900.	0.3282
150.	1.15	902.	0.3291
152.	1.152	904.	0.3314
154.	1.146	906.	0.3298
156.	1.14	908.	0.3252
158.	1.133	910.	0.3284
160.	1.137	912.	0.3241
162.	1.125	914.	0.3234
164.	1.123	916.	0.32
166.	1.12	918.	0.3176
168.	1.115	920.	0.324
170.	1.112	922.	0.32
172.	1.106	924.	0.3172
174.	1.108	926.	0.3235
176.	1.101	928.	0.3165
178.	1.095	930.	0.3185
180.	1.09	932.	0.3196
182.	1.088	934.	0.3129
184.	1.085	936.	0.3141
186.	1.08	938.	0.3139
188.	1.077	940.	0.311

Time (sec)	Displacement (ft)	Time (sec)	Displacement (ft)
190.	1.074	942.	0.3057
192.	1.065	944.	0.3106
194.	1.063	946.	0.3085
196.	1.059	948.	0.3105
198.	1.056	950.	0.3079
200.	1.055	952.	0.303
202.	1.045	954.	0.3068
204.	1.044	956.	0.303
206.	1.041	958.	0.3035
208.	1.037	960.	0.3002
210.	1.033	962.	0.2997
212.	1.032	964.	0.2994
214.	1.024	966.	0.3017
216.	1.022	968.	0.3034
218.	1.017	970.	0.2958
220.	1.016	972.	0.2932
222.	1.012	974.	0.2957
224.	1.006	976.	0.2946
226.	1.002	978.	0.2912
228.	1.001	980.	0.2915
230.	0.997	982.	0.2921
232.	0.9919	984.	0.2923
234.	0.9929	986.	0.29
236.	0.9852	988.	0.289
238.	0.9814	990.	0.2813
240.	0.9754	992.	0.2864
242.	0.974	994.	0.2869
244.	0.9695	996.	0.2837
246.	0.9692	998.	0.2804
248.	0.9661	1000.	0.2838
250.	0.9582	1002.	0.2844
252.	0.9539	1004.	0.2783
254.	0.9564	1006.	0.2771
256.	0.9527	1008.	0.28
258.	0.9433	1010.	0.2816
260.	0.942	1012.	0.2744
262.	0.9409	1014.	0.2781
264.	0.943	1016.	0.2797
266.	0.9329	1018.	0.2717
268.	0.9297	1020.	0.2743
270.	0.9221	1022.	0.276
272.	0.9225	1024.	0.2739
274.	0.922	1026.	0.2694
276.	0.9165	1028.	0.2707
278.	0.9146	1030.	0.2716
280.	0.9131	1032.	0.2732
282.	0.9117	1034.	0.2712
284.	0.9038	1036.	0.2643
286.	0.9005	1038.	0.2716
288.	0.8995	1040.	0.2624
290.	0.8955	1042.	0.2656
292.	0.8948	1044.	0.2658
294.	0.8883	1046.	0.2603
296.	0.8907	1048.	0.2597
298.	0.8835	1050.	0.2625
300.	0.8838	1052.	0.2579
302.	0.8774	1054.	0.2624
304.	0.8715	1056.	0.2588
306.	0.8712	1058.	0.2616
308.	0.8735	1060.	0.2551
310.	0.8639	1062.	0.2588
312.	0.8627	1064.	0.2583
314.	0.8642	1066.	0.2536
316.	0.8555	1068.	0.2579
318.	0.8533	1070.	0.2485
320.	0.848	1072.	0.2559

Time (sec)	Displacement (ft)	Time (sec)	Displacement (ft)
322.	0.8467	1074.	0.2518
324.	0.8433	1076.	0.2515
326.	0.8398	1078.	0.2528
328.	0.8373	1080.	0.2476
330.	0.8357	1082.	0.2461
332.	0.8331	1084.	0.2507
334.	0.8321	1086.	0.2458
336.	0.8316	1088.	0.2467
338.	0.825	1090.	0.2476
340.	0.8232	1092.	0.2461
342.	0.8211	1094.	0.2432
344.	0.8148	1096.	0.244
346.	0.812	1098.	0.2437
348.	0.8125	1100.	0.2403
350.	0.8062	1102.	0.2381
352.	0.8076	1104.	0.2404
354.	0.8038	1106.	0.2377
356.	0.7984	1108.	0.2342
358.	0.7977	1110.	0.2397
360.	0.7924	1112.	0.2369
362.	0.7926	1114.	0.2343
364.	0.7873	1116.	0.2338
366.	0.7852	1118.	0.2362
368.	0.7822	1120.	0.2341
370.	0.781	1122.	0.2322
372.	0.7802	1124.	0.2329
374.	0.7777	1126.	0.2328
376.	0.7713	1128.	0.2313
378.	0.7701	1130.	0.2372
380.	0.7704	1132.	0.2334
382.	0.7659	1134.	0.2245
384.	0.7643	1136.	0.2292
386.	0.7603	1138.	0.2266
388.	0.7573	1140.	0.2269
390.	0.7556	1142.	0.2223
392.	0.7497	1144.	0.2251
394.	0.7523	1146.	0.2267
396.	0.7452	1148.	0.2188
398.	0.7397	1150.	0.2206
400.	0.739	1152.	0.219
402.	0.7393	1154.	0.2228
404.	0.7386	1156.	0.2225
406.	0.7345	1158.	0.2173
408.	0.7359	1160.	0.2198
410.	0.7317	1162.	0.2188
412.	0.7304	1164.	0.2144
414.	0.7227	1166.	0.2175
416.	0.7227	1168.	0.2185
418.	0.7208	1170.	0.213
420.	0.7171	1172.	0.2155
422.	0.7101	1174.	0.2185
424.	0.7128	1176.	0.2147
426.	0.7126	1178.	0.2133
428.	0.7095	1180.	0.2122
430.	0.7085	1182.	0.2132
432.	0.6999	1184.	0.2127
434.	0.701	1186.	0.2159
436.	0.6945	1188.	0.2127
438.	0.699	1190.	0.2116
440.	0.6969	1192.	0.208
442.	0.6865	1194.	0.2052
444.	0.6947	1196.	0.2036
446.	0.6843	1198.	0.2086
448.	0.6846	1200.	0.2117
450.	0.6832	1202.	0.2086
452.	0.6826	1204.	0.2049

Time (sec)	Displacement (ft)	Time (sec)	Displacement (ft)
454.	0.6796	1206.	0.2042
456.	0.6729	1208.	0.2035
458.	0.6751	1210.	0.2013
460.	0.6703	1212.	0.2006
462.	0.6743	1214.	0.1998
464.	0.6627	1216.	0.2028
466.	0.6671	1218.	0.195
468.	0.6605	1220.	0.2022
470.	0.6633	1222.	0.1969
472.	0.66	1224.	0.1959
474.	0.6562	1226.	0.1979
476.	0.6533	1228.	0.1941
478.	0.6505	1230.	0.195
480.	0.6512	1232.	0.1928
482.	0.6468	1234.	0.1945
484.	0.6502	1236.	0.1971
486.	0.6449	1238.	0.1911
488.	0.6403	1240.	0.1936
490.	0.638	1242.	0.191
492.	0.6365	1244.	0.1982
494.	0.6316	1246.	0.1945
496.	0.631	1248.	0.1879
498.	0.6302	1250.	0.1855
500.	0.6267	1252.	0.1882
502.	0.6323	1254.	0.1871
504.	0.6246	1256.	0.186
506.	0.6231	1258.	0.1868
508.	0.6163	1260.	0.1895
510.	0.619	1262.	0.1806
512.	0.6185	1264.	0.1847
514.	0.6123	1266.	0.1853
516.	0.6164	1268.	0.1862
518.	0.6128	1270.	0.1838
520.	0.6104	1272.	0.1797
522.	0.6058	1274.	0.1794
524.	0.6062	1276.	0.1843
526.	0.6001	1278.	0.1789
528.	0.603	1280.	0.1795
530.	0.6024	1282.	0.1811
532.	0.5943	1284.	0.1814
534.	0.596	1286.	0.1754
536.	0.5961	1288.	0.1785
538.	0.5919	1290.	0.1776
540.	0.5869	1292.	0.1782
542.	0.5886	1294.	0.1775
544.	0.5866	1296.	0.1763
546.	0.586	1298.	0.1753
548.	0.5803	1300.	0.1775
550.	0.5846	1302.	0.1744
552.	0.5769	1304.	0.1768
554.	0.5809	1306.	0.1736
556.	0.5747	1308.	0.1701
558.	0.5705	1310.	0.171
560.	0.5668	1312.	0.1719
562.	0.5623	1314.	0.1703
564.	0.5617	1316.	0.1754
566.	0.5643	1318.	0.1743
568.	0.5629	1320.	0.1739
570.	0.5577	1322.	0.1669
572.	0.5585	1324.	0.1695
574.	0.5596	1326.	0.1705
576.	0.5565	1328.	0.1623
578.	0.5562	1330.	0.1658
580.	0.5518	1332.	0.1669
582.	0.5545	1334.	0.1654
584.	0.5444	1336.	0.1663

Time (sec)	Displacement (ft)	Time (sec)	Displacement (ft)
586.	0.5466	1338.	0.1643
588.	0.5473	1340.	0.1634
590.	0.5485	1342.	0.1663
592.	0.5418	1344.	0.1638
594.	0.538	1346.	0.1655
596.	0.5396	1348.	0.1643
598.	0.5349	1350.	0.1587
600.	0.5343	1352.	0.1608
602.	0.534	1354.	0.1613
604.	0.5303	1356.	0.1616
606.	0.531	1358.	0.1578
608.	0.5293	1360.	0.1579
610.	0.5231	1362.	0.1597
612.	0.5237	1364.	0.1547
614.	0.5203	1366.	0.1554
616.	0.5202	1368.	0.1548
618.	0.5131	1370.	0.1563
620.	0.5158	1372.	0.1585
622.	0.5144	1374.	0.1543
624.	0.515	1376.	0.1504
626.	0.5142	1378.	0.151
628.	0.509	1380.	0.1543
630.	0.5079	1382.	0.1505
632.	0.5041	1384.	0.1525
634.	0.5091	1386.	0.1544
636.	0.5046	1388.	0.1524
638.	0.5049	1390.	0.1489
640.	0.5056	1392.	0.1482
642.	0.4998	1394.	0.1543
644.	0.5001	1396.	0.1493
646.	0.5001	1398.	0.1525
648.	0.5017	1400.	0.1446
650.	0.4966	1402.	0.1472
652.	0.4913	1404.	0.1453
654.	0.4959	1406.	0.1482
656.	0.4911	1408.	0.1475
658.	0.4902	1410.	0.1453
660.	0.4864	1412.	0.1438
662.	0.4815	1414.	0.1399
664.	0.4793	1416.	0.1442
666.	0.4793	1418.	0.1438
668.	0.4785	1420.	0.1421
670.	0.4756	1422.	0.1415
672.	0.4703	1424.	0.1406
674.	0.4737	1426.	0.1443
676.	0.4731	1428.	0.1455
678.	0.4708	1430.	0.1392
680.	0.4722	1432.	0.1389
682.	0.4623	1434.	0.145
684.	0.4697	1436.	0.144
686.	0.4645	1438.	0.1387
688.	0.4652	1440.	0.1426
690.	0.4623	1442.	0.1354
692.	0.4622	1444.	0.1369
694.	0.4591	1446.	0.1321
696.	0.4599	1448.	0.1368
698.	0.4551	1450.	0.1344
700.	0.4538	1452.	0.1326
702.	0.4574	1454.	0.1392
704.	0.4541	1456.	0.1368
706.	0.4538	1458.	0.1349
708.	0.4482	1460.	0.1341
710.	0.4468	1462.	0.1366
712.	0.4497	1464.	0.1311
714.	0.4436	1466.	0.1319
716.	0.4433	1468.	0.1325

<u>Time (sec)</u>	<u>Displacement (ft)</u>	<u>Time (sec)</u>	<u>Displacement (ft)</u>
718.	0.442	1470.	0.1317
720.	0.4401	1472.	0.1332
722.	0.4376	1474.	0.1323
724.	0.438	1476.	0.1295
726.	0.4377	1478.	0.1346
728.	0.4352	1480.	0.1261
730.	0.4357	1482.	0.1285
732.	0.4336	1484.	0.1272
734.	0.4351	1486.	0.126
736.	0.4301	1488.	0.1296
738.	0.4304	1490.	0.1246
740.	0.4294	1492.	0.1237
742.	0.4212	1494.	0.1261
744.	0.4238	1496.	0.1249
746.	0.4225	1498.	0.1232
748.	0.4199	1500.	0.129
750.	0.4197	1502.	0.1241

SOLUTION

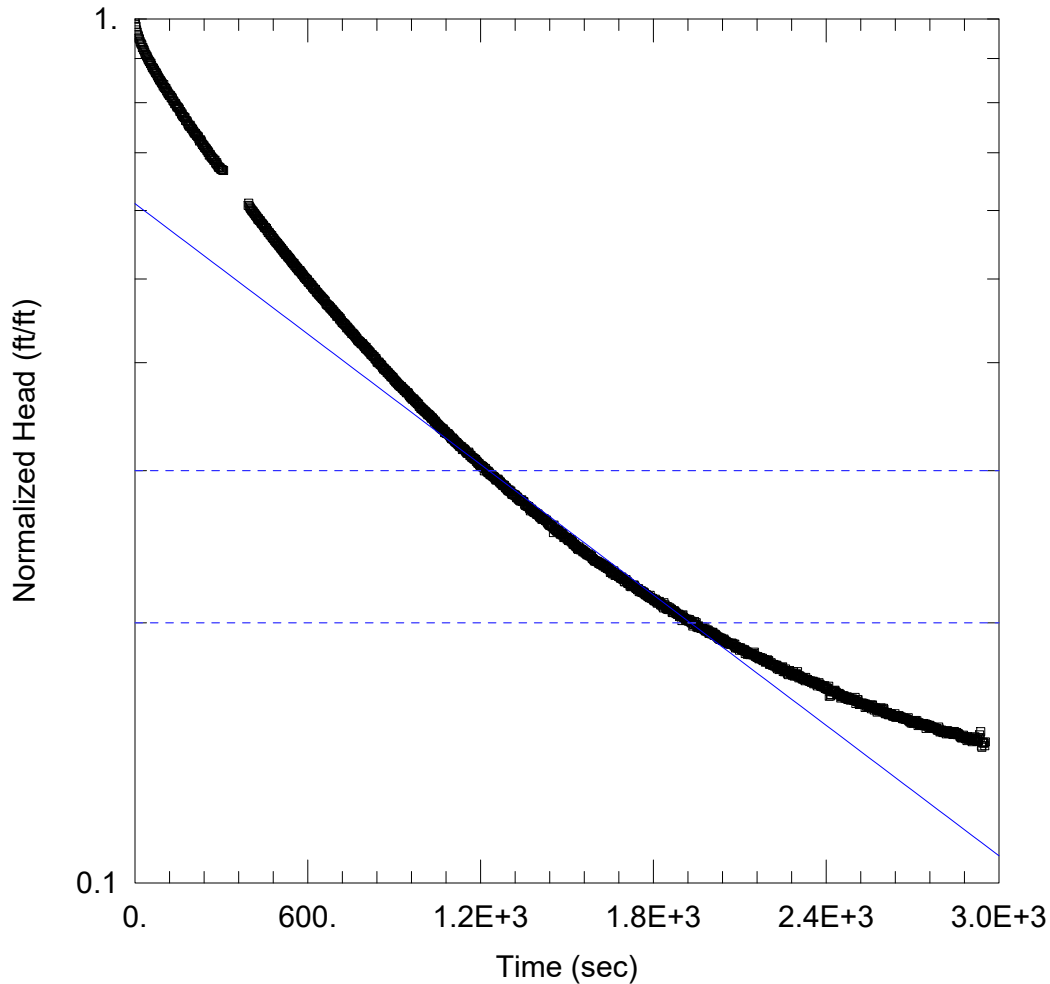
Slug Test
 Aquifer Model: Unconfined
 Solution Method: Bouwer-Rice
 ln(Re/rw): 3.176

VISUAL ESTIMATION RESULTS

Estimated Parameters

<u>Parameter</u>	<u>Estimate</u>	
K	0.06538	ft/day
y0	1.436	ft

K = 2.307E-5 cm/sec
 T = K*b = 4.823 ft²/day (0.05186 sq. cm/sec)



GW101I_RHT

Data Set: V:\Projects\ANY\K4\33525\Data\Other\Slug Tests\GW101I_RHT\GW101I_RHT.aqt
 Date: 05/10/18 Time: 10:55:51

PROJECT INFORMATION

Company: CHA
 Client: Ranalli/Taylor St., LLC
 Project: 33525
 Location: Syracuse, NY
 Test Well: GW101I
 Test Date: 5/4/2018

AQUIFER DATA

Saturated Thickness: 73.76 ft Anisotropy Ratio (Kz/Kr): 1.

WELL DATA (GW101I)

Initial Displacement: 2.062 ft Static Water Column Height: 35.76 ft
 Total Well Penetration Depth: 35.76 ft Screen Length: 10. ft
 Casing Radius: 0.083 ft Well Radius: 0.177 ft

SOLUTION

Aquifer Model: Unconfined Solution Method: Bower-Rice
 K = 0.02321 ft/day y0 = 1.26 ft

Data Set: V:\Projects\ANY\K4\33525\Data\Other\Slug Tests\GW101I_RHT\GW101I_RHT.aqt
 Title: GW101I_RHT
 Date: 05/10/18
 Time: 10:56:08

PROJECT INFORMATION

Company: CHA
 Client: Ranalli/Taylor St., LLC
 Project: 33525
 Location: Syracuse, NY
 Test Date: 5/4/2018
 Test Well: GW101I

AQUIFER DATA

Saturated Thickness: 73.76 ft
 Anisotropy Ratio (Kz/Kr): 1.

SLUG TEST WELL DATA

Test Well: GW101I

X Location: 0. ft
 Y Location: 0. ft

Initial Displacement: 2.062 ft
 Static Water Column Height: 35.76 ft
 Casing Radius: 0.083 ft
 Well Radius: 0.177 ft
 Well Skin Radius: 0.354 ft
 Screen Length: 10. ft
 Total Well Penetration Depth: 35.76 ft

No. of Observations: 1436

Time (sec)	Observation Data		Displacement (ft)
	Displacement (ft)	Time (sec)	
0.	2.062	1519.	0.5119
2.	2.031	1521.	0.5086
4.	2.021	1523.	0.5085
6.	2.002	1525.	0.5077
8.	1.99	1527.	0.5089
10.	1.976	1529.	0.5069
12.	1.97	1531.	0.5056
14.	1.959	1533.	0.5058
16.	1.954	1535.	0.504
18.	1.942	1537.	0.5027
20.	1.934	1539.	0.5016
22.	1.929	1541.	0.505
24.	1.924	1543.	0.5029
26.	1.91	1545.	0.5032
28.	1.91	1547.	0.5009
30.	1.901	1549.	0.5014
32.	1.896	1551.	0.501
34.	1.887	1553.	0.5008
36.	1.878	1555.	0.4983
38.	1.875	1557.	0.4997
40.	1.868	1559.	0.499
42.	1.866	1561.	0.4981
44.	1.859	1563.	0.4966
46.	1.851	1565.	0.4971
48.	1.847	1567.	0.4962
50.	1.841	1569.	0.4944
52.	1.839	1571.	0.4948
54.	1.83	1573.	0.4941
56.	1.833	1575.	0.4956

Time (sec)	Displacement (ft)	Time (sec)	Displacement (ft)
58.	1.821	1577.	0.4934
60.	1.813	1579.	0.4928
62.	1.809	1581.	0.4941
64.	1.808	1583.	0.4924
66.	1.801	1585.	0.4925
68.	1.799	1587.	0.49
70.	1.791	1589.	0.4895
72.	1.786	1591.	0.4887
74.	1.785	1593.	0.488
76.	1.78	1595.	0.4864
78.	1.773	1597.	0.4869
80.	1.767	1599.	0.4861
82.	1.763	1601.	0.4862
84.	1.759	1603.	0.4857
86.	1.752	1605.	0.4856
88.	1.751	1607.	0.485
90.	1.746	1609.	0.4847
92.	1.741	1611.	0.4829
94.	1.737	1613.	0.4841
96.	1.733	1615.	0.4823
98.	1.724	1617.	0.4824
100.	1.731	1619.	0.482
102.	1.718	1621.	0.4826
104.	1.717	1623.	0.4812
106.	1.712	1625.	0.48
108.	1.712	1627.	0.4804
110.	1.702	1629.	0.4812
112.	1.702	1631.	0.48
114.	1.694	1633.	0.4782
116.	1.689	1635.	0.4792
118.	1.688	1637.	0.4788
120.	1.681	1639.	0.4771
122.	1.682	1641.	0.4767
124.	1.68	1643.	0.4763
126.	1.671	1645.	0.4771
128.	1.673	1647.	0.4761
130.	1.667	1649.	0.4748
132.	1.659	1651.	0.4717
134.	1.657	1653.	0.4721
136.	1.653	1655.	0.4729
138.	1.645	1657.	0.471
140.	1.646	1659.	0.4699
142.	1.643	1661.	0.4712
144.	1.636	1663.	0.4736
146.	1.63	1665.	0.4715
148.	1.631	1667.	0.468
150.	1.627	1669.	0.468
152.	1.626	1671.	0.469
154.	1.62	1673.	0.4685
156.	1.612	1675.	0.4679
158.	1.611	1677.	0.4684
160.	1.608	1679.	0.4667
162.	1.6	1681.	0.4666
164.	1.601	1683.	0.4663
166.	1.592	1685.	0.4648
168.	1.589	1687.	0.4645
170.	1.588	1689.	0.4644
172.	1.585	1691.	0.4659
174.	1.585	1693.	0.4633
176.	1.573	1695.	0.4641
178.	1.572	1697.	0.4627
180.	1.571	1699.	0.4603
182.	1.567	1701.	0.46
184.	1.56	1703.	0.4627
186.	1.555	1705.	0.4627
188.	1.551	1707.	0.4607

Time (sec)	Displacement (ft)	Time (sec)	Displacement (ft)
190.	1.548	1709.	0.4605
192.	1.553	1711.	0.4584
194.	1.546	1713.	0.458
196.	1.54	1715.	0.4582
198.	1.539	1717.	0.4577
200.	1.537	1719.	0.4546
202.	1.531	1721.	0.4561
204.	1.527	1723.	0.454
206.	1.522	1725.	0.4554
208.	1.521	1727.	0.4556
210.	1.52	1729.	0.4555
212.	1.516	1731.	0.4554
214.	1.511	1733.	0.4561
216.	1.511	1735.	0.4551
218.	1.506	1737.	0.4535
220.	1.506	1739.	0.4525
222.	1.498	1741.	0.4519
224.	1.489	1743.	0.4517
226.	1.492	1745.	0.4504
228.	1.494	1747.	0.4511
230.	1.489	1749.	0.4515
232.	1.482	1751.	0.4481
234.	1.476	1753.	0.4492
236.	1.476	1755.	0.4492
238.	1.471	1757.	0.4478
240.	1.47	1759.	0.449
242.	1.464	1761.	0.4472
244.	1.462	1763.	0.4472
246.	1.461	1765.	0.4478
248.	1.457	1767.	0.4462
250.	1.452	1769.	0.4467
252.	1.451	1771.	0.4451
254.	1.445	1773.	0.4442
256.	1.446	1775.	0.4445
258.	1.434	1777.	0.4442
260.	1.438	1779.	0.4435
262.	1.435	1781.	0.4425
264.	1.428	1783.	0.4425
266.	1.428	1785.	0.4414
268.	1.423	1787.	0.4409
270.	1.422	1789.	0.4437
272.	1.42	1791.	0.441
274.	1.414	1793.	0.4404
276.	1.413	1795.	0.4401
278.	1.415	1797.	0.4402
280.	1.406	1799.	0.4393
282.	1.401	1801.	0.4382
284.	1.406	1803.	0.4374
286.	1.398	1805.	0.4378
288.	1.393	1807.	0.4391
290.	1.388	1809.	0.4366
292.	1.389	1811.	0.4376
294.	1.387	1813.	0.4348
296.	1.386	1815.	0.4347
298.	1.381	1817.	0.4359
300.	1.38	1819.	0.4361
302.	1.379	1821.	0.4366
304.	1.379	1823.	0.4341
306.	1.378	1825.	0.4326
308.	1.377	1827.	0.434
393.	1.254	1829.	0.4321
395.	1.262	1831.	0.4332
397.	1.252	1833.	0.4303
399.	1.248	1835.	0.4291
401.	1.245	1837.	0.4351
403.	1.242	1839.	0.4323

Time (sec)	Displacement (ft)	Time (sec)	Displacement (ft)
405.	1.239	1841.	0.4325
407.	1.236	1843.	0.4294
409.	1.235	1845.	0.428
411.	1.233	1847.	0.4307
413.	1.229	1849.	0.4275
415.	1.227	1851.	0.4303
417.	1.225	1853.	0.4272
419.	1.221	1855.	0.4272
421.	1.22	1857.	0.4293
423.	1.217	1859.	0.4281
425.	1.213	1861.	0.4273
427.	1.209	1863.	0.4276
429.	1.211	1865.	0.4242
431.	1.206	1867.	0.4237
433.	1.205	1869.	0.4258
435.	1.204	1871.	0.4239
437.	1.2	1873.	0.426
439.	1.196	1875.	0.425
441.	1.195	1877.	0.4232
443.	1.194	1879.	0.4235
445.	1.191	1881.	0.4226
447.	1.188	1883.	0.422
449.	1.184	1885.	0.4217
451.	1.182	1887.	0.4216
453.	1.183	1889.	0.4219
455.	1.179	1891.	0.4193
457.	1.18	1893.	0.42
459.	1.173	1895.	0.4206
461.	1.172	1897.	0.4199
463.	1.167	1899.	0.4148
465.	1.167	1901.	0.4201
467.	1.166	1903.	0.4213
469.	1.161	1905.	0.4182
471.	1.16	1907.	0.4175
473.	1.157	1909.	0.4172
475.	1.157	1911.	0.4164
477.	1.152	1913.	0.415
479.	1.15	1915.	0.4163
481.	1.148	1917.	0.4162
483.	1.147	1919.	0.4163
485.	1.142	1921.	0.4145
487.	1.141	1923.	0.4142
489.	1.138	1925.	0.416
491.	1.137	1927.	0.4142
493.	1.135	1929.	0.4133
495.	1.133	1931.	0.4144
497.	1.131	1933.	0.4122
499.	1.128	1935.	0.4134
501.	1.126	1937.	0.4089
503.	1.125	1939.	0.4108
505.	1.122	1941.	0.4105
507.	1.119	1943.	0.4138
509.	1.118	1945.	0.4109
511.	1.115	1947.	0.4109
513.	1.113	1949.	0.4124
515.	1.112	1951.	0.4078
517.	1.108	1953.	0.4086
519.	1.107	1955.	0.4072
521.	1.104	1957.	0.4089
523.	1.101	1959.	0.4083
525.	1.101	1961.	0.4075
527.	1.1	1963.	0.408
529.	1.097	1965.	0.4062
531.	1.094	1967.	0.4068
533.	1.093	1969.	0.4081
535.	1.09	1971.	0.4079

Time (sec)	Displacement (ft)	Time (sec)	Displacement (ft)
537.	1.089	1973.	0.4064
539.	1.087	1975.	0.4056
541.	1.084	1977.	0.4049
543.	1.082	1979.	0.4071
545.	1.079	1981.	0.4037
547.	1.077	1983.	0.4035
549.	1.076	1985.	0.4038
551.	1.073	1987.	0.4047
553.	1.074	1989.	0.4027
555.	1.069	1991.	0.4043
557.	1.067	1993.	0.4011
559.	1.066	1995.	0.4009
561.	1.063	1997.	0.4026
563.	1.062	1999.	0.4018
565.	1.06	2001.	0.402
567.	1.057	2003.	0.4003
569.	1.054	2005.	0.4018
571.	1.054	2007.	0.4021
573.	1.055	2009.	0.4002
575.	1.051	2011.	0.3988
577.	1.049	2013.	0.4001
579.	1.047	2015.	0.3999
581.	1.044	2017.	0.3987
583.	1.043	2019.	0.3983
585.	1.04	2021.	0.3975
587.	1.038	2023.	0.3968
589.	1.035	2025.	0.3972
591.	1.034	2027.	0.3955
593.	1.032	2029.	0.3966
595.	1.03	2031.	0.3945
597.	1.03	2033.	0.395
599.	1.028	2035.	0.396
601.	1.023	2037.	0.3953
603.	1.022	2039.	0.3934
605.	1.022	2041.	0.3944
607.	1.021	2043.	0.3937
609.	1.016	2045.	0.395
611.	1.016	2047.	0.3938
613.	1.014	2049.	0.392
615.	1.013	2051.	0.3922
617.	1.008	2053.	0.3926
619.	1.008	2055.	0.3912
621.	1.005	2057.	0.3911
623.	1.003	2059.	0.3908
625.	1.003	2061.	0.3897
627.	1.003	2063.	0.3908
629.	0.9983	2065.	0.3897
631.	0.9954	2067.	0.3901
633.	0.9944	2069.	0.3895
635.	0.9934	2071.	0.3899
637.	0.9906	2073.	0.3907
639.	0.9893	2075.	0.3896
641.	0.9877	2077.	0.3899
643.	0.9861	2079.	0.3887
645.	0.9837	2081.	0.3877
647.	0.9829	2083.	0.3897
649.	0.9807	2085.	0.3856
651.	0.9787	2087.	0.3867
653.	0.978	2089.	0.3869
655.	0.976	2091.	0.3858
657.	0.9745	2093.	0.3856
659.	0.9723	2095.	0.3855
661.	0.9714	2097.	0.3861
663.	0.9661	2099.	0.3834
665.	0.9637	2101.	0.3853
667.	0.9638	2103.	0.3858

Time (sec)	Displacement (ft)	Time (sec)	Displacement (ft)
669.	0.9616	2105.	0.3844
671.	0.9608	2107.	0.3836
673.	0.9592	2109.	0.3836
675.	0.9587	2111.	0.3844
677.	0.9547	2113.	0.3831
679.	0.9554	2115.	0.3828
681.	0.9524	2117.	0.3838
683.	0.9513	2119.	0.38
685.	0.9508	2121.	0.3825
687.	0.9472	2123.	0.3815
689.	0.9462	2125.	0.3813
691.	0.9459	2127.	0.3791
693.	0.9417	2129.	0.3812
695.	0.9411	2131.	0.3798
697.	0.9399	2133.	0.3795
699.	0.9381	2135.	0.3788
701.	0.9335	2137.	0.3793
703.	0.9352	2139.	0.3793
705.	0.9332	2141.	0.3796
707.	0.9328	2143.	0.3795
709.	0.9306	2145.	0.3787
711.	0.9263	2147.	0.3789
713.	0.9281	2149.	0.3801
715.	0.9236	2151.	0.3814
717.	0.9225	2153.	0.3775
719.	0.9189	2155.	0.3772
721.	0.9179	2157.	0.3767
723.	0.9166	2159.	0.377
725.	0.9161	2161.	0.3761
727.	0.9146	2163.	0.3769
729.	0.913	2165.	0.3755
731.	0.912	2167.	0.3747
733.	0.9097	2169.	0.375
735.	0.9052	2171.	0.3757
737.	0.9071	2173.	0.3757
739.	0.9052	2175.	0.3748
741.	0.9034	2177.	0.3739
743.	0.8999	2179.	0.3753
745.	0.9001	2181.	0.3729
747.	0.8993	2183.	0.3738
749.	0.8965	2185.	0.3738
751.	0.8954	2187.	0.3736
753.	0.8916	2189.	0.3713
755.	0.8914	2191.	0.3722
757.	0.8922	2193.	0.3724
759.	0.8892	2195.	0.3715
761.	0.8887	2197.	0.3737
763.	0.886	2199.	0.3729
765.	0.8847	2201.	0.3727
767.	0.8827	2203.	0.3692
769.	0.8809	2205.	0.3696
771.	0.8797	2207.	0.3693
773.	0.8764	2209.	0.3709
775.	0.8753	2211.	0.3696
777.	0.8737	2213.	0.3684
779.	0.8733	2215.	0.3683
781.	0.8718	2217.	0.3688
783.	0.8711	2219.	0.369
785.	0.868	2221.	0.3675
787.	0.8676	2223.	0.3678
789.	0.8673	2225.	0.3683
791.	0.8673	2227.	0.3664
793.	0.8646	2229.	0.3683
795.	0.8624	2231.	0.3649
797.	0.8612	2233.	0.3668
799.	0.8592	2235.	0.366

Time (sec)	Displacement (ft)	Time (sec)	Displacement (ft)
801.	0.8566	2237.	0.3641
803.	0.8594	2239.	0.3654
805.	0.8547	2241.	0.3661
807.	0.8539	2243.	0.3665
809.	0.8526	2245.	0.3656
811.	0.8513	2247.	0.3656
813.	0.8491	2249.	0.3667
815.	0.8488	2251.	0.3623
817.	0.8469	2253.	0.3637
819.	0.8439	2255.	0.3619
821.	0.8427	2257.	0.3629
823.	0.8427	2259.	0.3648
825.	0.8416	2261.	0.3633
827.	0.8396	2263.	0.3624
829.	0.8383	2265.	0.3606
831.	0.8382	2267.	0.3597
833.	0.8344	2269.	0.3591
835.	0.8328	2271.	0.362
837.	0.8342	2273.	0.3632
839.	0.8306	2275.	0.361
841.	0.8263	2277.	0.3604
843.	0.8254	2279.	0.36
845.	0.8247	2281.	0.3601
847.	0.8263	2283.	0.3586
849.	0.8243	2285.	0.3606
851.	0.8217	2287.	0.3619
853.	0.8211	2289.	0.3578
855.	0.8195	2291.	0.3588
857.	0.8194	2293.	0.3589
859.	0.8156	2295.	0.3593
861.	0.8139	2297.	0.36
863.	0.8111	2299.	0.3578
865.	0.8126	2301.	0.362
867.	0.8106	2303.	0.3584
869.	0.8086	2305.	0.3561
871.	0.8086	2307.	0.3579
873.	0.8076	2309.	0.3578
875.	0.8041	2311.	0.3565
877.	0.8043	2313.	0.3568
879.	0.8023	2315.	0.3562
881.	0.8027	2317.	0.355
883.	0.7997	2319.	0.3559
885.	0.7992	2321.	0.3548
887.	0.7975	2323.	0.3562
889.	0.7946	2325.	0.3544
891.	0.7954	2327.	0.3534
893.	0.7939	2329.	0.3565
895.	0.7931	2331.	0.3547
897.	0.7918	2333.	0.3545
899.	0.7889	2335.	0.3546
901.	0.787	2337.	0.3538
903.	0.7872	2339.	0.3534
905.	0.7839	2341.	0.3534
907.	0.7841	2343.	0.3528
909.	0.7827	2345.	0.3527
911.	0.7809	2347.	0.3533
913.	0.7798	2349.	0.3518
915.	0.7775	2351.	0.3522
917.	0.7775	2353.	0.3527
919.	0.7762	2355.	0.3529
921.	0.7745	2357.	0.3505
923.	0.7741	2359.	0.3516
925.	0.774	2361.	0.3511
927.	0.7716	2363.	0.3522
929.	0.7704	2365.	0.3507
931.	0.7694	2367.	0.3502

Time (sec)	Displacement (ft)	Time (sec)	Displacement (ft)
933.	0.7684	2369.	0.3486
935.	0.7658	2371.	0.3503
937.	0.7664	2373.	0.35
939.	0.7656	2375.	0.3516
941.	0.7633	2377.	0.3501
943.	0.7614	2379.	0.3499
945.	0.7619	2381.	0.3484
947.	0.7612	2383.	0.3482
949.	0.7605	2385.	0.3487
951.	0.7582	2387.	0.3478
953.	0.7558	2389.	0.3485
955.	0.7542	2391.	0.3476
957.	0.7527	2393.	0.3475
959.	0.7527	2395.	0.3487
961.	0.7508	2397.	0.3462
963.	0.7483	2399.	0.3463
965.	0.7492	2401.	0.3458
967.	0.7486	2403.	0.3468
969.	0.748	2405.	0.3454
971.	0.7451	2407.	0.3462
973.	0.7449	2409.	0.3483
975.	0.7429	2411.	0.339
977.	0.7431	2413.	0.3433
979.	0.7411	2415.	0.3393
981.	0.7396	2417.	0.3406
983.	0.7394	2419.	0.3441
985.	0.7381	2421.	0.3434
987.	0.7347	2423.	0.3432
989.	0.7339	2425.	0.3442
991.	0.7329	2427.	0.3431
993.	0.7302	2429.	0.3436
995.	0.731	2431.	0.3446
997.	0.7292	2433.	0.343
999.	0.7284	2435.	0.3426
1001.	0.7283	2437.	0.3406
1003.	0.7259	2439.	0.3411
1005.	0.7253	2441.	0.3407
1007.	0.7246	2443.	0.3415
1009.	0.7237	2445.	0.3416
1011.	0.7225	2447.	0.3402
1013.	0.7213	2449.	0.3408
1015.	0.7201	2451.	0.3375
1017.	0.7179	2453.	0.3387
1019.	0.7189	2455.	0.3387
1021.	0.7182	2457.	0.3391
1023.	0.7161	2459.	0.3395
1025.	0.7157	2461.	0.3393
1027.	0.7137	2463.	0.3394
1029.	0.7114	2465.	0.3374
1031.	0.7123	2467.	0.3379
1033.	0.7118	2469.	0.3378
1035.	0.7097	2471.	0.3371
1037.	0.7087	2473.	0.3387
1039.	0.7063	2475.	0.3362
1041.	0.7046	2477.	0.3377
1043.	0.706	2479.	0.3364
1045.	0.7023	2481.	0.3376
1047.	0.7023	2483.	0.3358
1049.	0.7003	2485.	0.3357
1051.	0.6999	2487.	0.3366
1053.	0.6986	2489.	0.3363
1055.	0.6977	2491.	0.3362
1057.	0.696	2493.	0.3366
1059.	0.6947	2495.	0.3354
1061.	0.6947	2497.	0.3353
1063.	0.6926	2499.	0.3361

Time (sec)	Displacement (ft)	Time (sec)	Displacement (ft)
1065.	0.6928	2501.	0.338
1067.	0.6909	2503.	0.3326
1069.	0.6907	2505.	0.3345
1071.	0.6915	2507.	0.3342
1073.	0.6882	2509.	0.3358
1075.	0.6846	2511.	0.336
1077.	0.6869	2513.	0.3337
1079.	0.6858	2515.	0.3318
1081.	0.6836	2517.	0.3318
1083.	0.6829	2519.	0.3322
1085.	0.6827	2521.	0.3318
1087.	0.6829	2523.	0.3328
1089.	0.6816	2525.	0.3327
1091.	0.6804	2527.	0.3327
1093.	0.6791	2529.	0.3327
1095.	0.6771	2531.	0.3322
1097.	0.6759	2533.	0.3321
1099.	0.6739	2535.	0.329
1101.	0.6733	2537.	0.3322
1103.	0.6748	2539.	0.3304
1105.	0.6719	2541.	0.3302
1107.	0.6726	2543.	0.3312
1109.	0.6694	2545.	0.3311
1111.	0.6696	2547.	0.3294
1113.	0.668	2549.	0.3305
1115.	0.6665	2551.	0.3298
1117.	0.6667	2553.	0.3297
1119.	0.6655	2555.	0.3312
1121.	0.6643	2557.	0.328
1123.	0.6634	2559.	0.3309
1125.	0.662	2561.	0.3313
1127.	0.6603	2563.	0.3295
1129.	0.6602	2565.	0.329
1131.	0.6595	2567.	0.3269
1133.	0.6592	2569.	0.3283
1135.	0.6589	2571.	0.3285
1137.	0.6545	2573.	0.3287
1139.	0.6556	2575.	0.3268
1141.	0.6556	2577.	0.325
1143.	0.6553	2579.	0.3274
1145.	0.654	2581.	0.3272
1147.	0.653	2583.	0.326
1149.	0.6508	2585.	0.3263
1151.	0.65	2587.	0.3276
1153.	0.6483	2589.	0.3278
1155.	0.648	2591.	0.3288
1157.	0.6484	2593.	0.3258
1159.	0.6498	2595.	0.3272
1161.	0.6471	2597.	0.3253
1163.	0.6439	2599.	0.3284
1165.	0.6439	2601.	0.3275
1167.	0.6445	2603.	0.325
1169.	0.6415	2605.	0.3237
1171.	0.6409	2607.	0.3239
1173.	0.64	2609.	0.3244
1175.	0.6397	2611.	0.3241
1177.	0.6384	2613.	0.3247
1179.	0.6383	2615.	0.3228
1181.	0.6372	2617.	0.323
1183.	0.6373	2619.	0.3228
1185.	0.6343	2621.	0.3236
1187.	0.6344	2623.	0.3235
1189.	0.6327	2625.	0.3232
1191.	0.6311	2627.	0.3233
1193.	0.6307	2629.	0.3225
1195.	0.6303	2631.	0.3216

Time (sec)	Displacement (ft)	Time (sec)	Displacement (ft)
1197.	0.628	2633.	0.3218
1199.	0.6274	2635.	0.3216
1201.	0.6274	2637.	0.3219
1203.	0.6268	2639.	0.3236
1205.	0.6251	2641.	0.3208
1207.	0.6256	2643.	0.3208
1209.	0.6235	2645.	0.3209
1211.	0.6241	2647.	0.3219
1213.	0.6184	2649.	0.3211
1215.	0.6219	2651.	0.3215
1217.	0.6222	2653.	0.322
1219.	0.6196	2655.	0.3213
1221.	0.6182	2657.	0.3206
1223.	0.6179	2659.	0.3205
1225.	0.6156	2661.	0.3209
1227.	0.6176	2663.	0.3202
1229.	0.6145	2665.	0.3195
1231.	0.6148	2667.	0.3195
1233.	0.612	2669.	0.3201
1235.	0.6125	2671.	0.3199
1237.	0.6122	2673.	0.3192
1239.	0.611	2675.	0.319
1241.	0.6102	2677.	0.319
1243.	0.6093	2679.	0.3192
1245.	0.6089	2681.	0.3187
1247.	0.608	2683.	0.3186
1249.	0.6076	2685.	0.3202
1251.	0.6059	2687.	0.3177
1253.	0.6037	2689.	0.3176
1255.	0.6034	2691.	0.3166
1257.	0.6044	2693.	0.3173
1259.	0.6035	2695.	0.3157
1261.	0.6047	2697.	0.3174
1263.	0.603	2699.	0.3172
1265.	0.6003	2701.	0.3155
1267.	0.6003	2703.	0.316
1269.	0.6	2705.	0.3159
1271.	0.5979	2707.	0.3159
1273.	0.5973	2709.	0.317
1275.	0.5963	2711.	0.3179
1277.	0.5949	2713.	0.3162
1279.	0.5945	2715.	0.3177
1281.	0.5953	2717.	0.3156
1283.	0.5948	2719.	0.3137
1285.	0.5926	2721.	0.316
1287.	0.5911	2723.	0.3146
1289.	0.5913	2725.	0.3156
1291.	0.59	2727.	0.3146
1293.	0.5876	2729.	0.314
1295.	0.5874	2731.	0.315
1297.	0.5863	2733.	0.3148
1299.	0.5877	2735.	0.3138
1301.	0.5858	2737.	0.3147
1303.	0.5853	2739.	0.3153
1305.	0.5859	2741.	0.3135
1307.	0.5826	2743.	0.3139
1309.	0.5808	2745.	0.3149
1311.	0.5812	2747.	0.3112
1313.	0.5814	2749.	0.3131
1315.	0.5799	2751.	0.3145
1317.	0.5803	2753.	0.3134
1319.	0.5795	2755.	0.3134
1321.	0.5794	2757.	0.312
1323.	0.5781	2759.	0.3139
1325.	0.5756	2761.	0.3136
1327.	0.5769	2763.	0.3125

Time (sec)	Displacement (ft)	Time (sec)	Displacement (ft)
1329.	0.5756	2765.	0.3117
1331.	0.5736	2767.	0.3125
1333.	0.5732	2769.	0.3123
1335.	0.5717	2771.	0.3116
1337.	0.5723	2773.	0.3119
1339.	0.5704	2775.	0.3114
1341.	0.571	2777.	0.3117
1343.	0.5723	2779.	0.3112
1345.	0.57	2781.	0.3113
1347.	0.57	2783.	0.3113
1349.	0.5696	2785.	0.31
1351.	0.5692	2787.	0.3099
1353.	0.5657	2789.	0.3098
1355.	0.564	2791.	0.3125
1357.	0.5642	2793.	0.3108
1359.	0.5634	2795.	0.3083
1361.	0.5633	2797.	0.309
1363.	0.5626	2799.	0.309
1365.	0.5623	2801.	0.3099
1367.	0.5621	2803.	0.3094
1369.	0.5605	2805.	0.3078
1371.	0.5589	2807.	0.3089
1373.	0.5557	2809.	0.3084
1375.	0.5578	2811.	0.3082
1377.	0.5583	2813.	0.3089
1379.	0.557	2815.	0.3077
1381.	0.5557	2817.	0.3067
1383.	0.5543	2819.	0.308
1385.	0.5544	2821.	0.3094
1387.	0.5534	2823.	0.309
1389.	0.5534	2825.	0.307
1391.	0.553	2827.	0.3085
1393.	0.5521	2829.	0.3085
1395.	0.5505	2831.	0.3085
1397.	0.5504	2833.	0.3084
1399.	0.5512	2835.	0.3071
1401.	0.5496	2837.	0.3076
1403.	0.5489	2839.	0.3065
1405.	0.5468	2841.	0.3062
1407.	0.5472	2843.	0.3073
1409.	0.5455	2845.	0.3087
1411.	0.5458	2847.	0.3071
1413.	0.5433	2849.	0.3067
1415.	0.544	2851.	0.3067
1417.	0.5436	2853.	0.3079
1419.	0.5437	2855.	0.306
1421.	0.5445	2857.	0.3071
1423.	0.5431	2859.	0.3068
1425.	0.5415	2861.	0.306
1427.	0.5418	2863.	0.3058
1429.	0.5422	2865.	0.3043
1431.	0.5396	2867.	0.3044
1433.	0.5383	2869.	0.3038
1435.	0.5369	2871.	0.3033
1437.	0.5363	2873.	0.3047
1439.	0.5352	2875.	0.3044
1441.	0.5345	2877.	0.3057
1443.	0.5354	2879.	0.3048
1445.	0.534	2881.	0.304
1447.	0.534	2883.	0.3029
1449.	0.5334	2885.	0.3027
1451.	0.532	2887.	0.3036
1453.	0.5244	2889.	0.3012
1455.	0.5351	2891.	0.3046
1457.	0.5299	2893.	0.3023
1459.	0.5286	2895.	0.303

<u>Time (sec)</u>	<u>Displacement (ft)</u>	<u>Time (sec)</u>	<u>Displacement (ft)</u>
1461.	0.5292	2897.	0.3025
1463.	0.5271	2899.	0.3032
1465.	0.5263	2901.	0.3035
1467.	0.5276	2903.	0.3019
1469.	0.5263	2905.	0.3014
1471.	0.5279	2907.	0.3004
1473.	0.5264	2909.	0.3026
1475.	0.5238	2911.	0.3015
1477.	0.5223	2913.	0.3016
1479.	0.5226	2915.	0.3035
1481.	0.5239	2917.	0.3043
1483.	0.5212	2919.	0.3024
1485.	0.5232	2921.	0.3013
1487.	0.5214	2923.	0.3006
1489.	0.5175	2925.	0.3023
1491.	0.5191	2927.	0.3017
1493.	0.5179	2929.	0.3009
1495.	0.5175	2931.	0.3031
1497.	0.5176	2933.	0.306
1499.	0.5179	2935.	0.3037
1501.	0.5153	2937.	0.3086
1503.	0.5167	2939.	0.2969
1505.	0.5135	2941.	0.296
1507.	0.5134	2943.	0.2993
1509.	0.515	2945.	0.2999
1511.	0.5141	2947.	0.2993
1513.	0.5127	2949.	0.2994
1515.	0.5143	2951.	0.2971
1517.	0.5111	2953.	0.3002

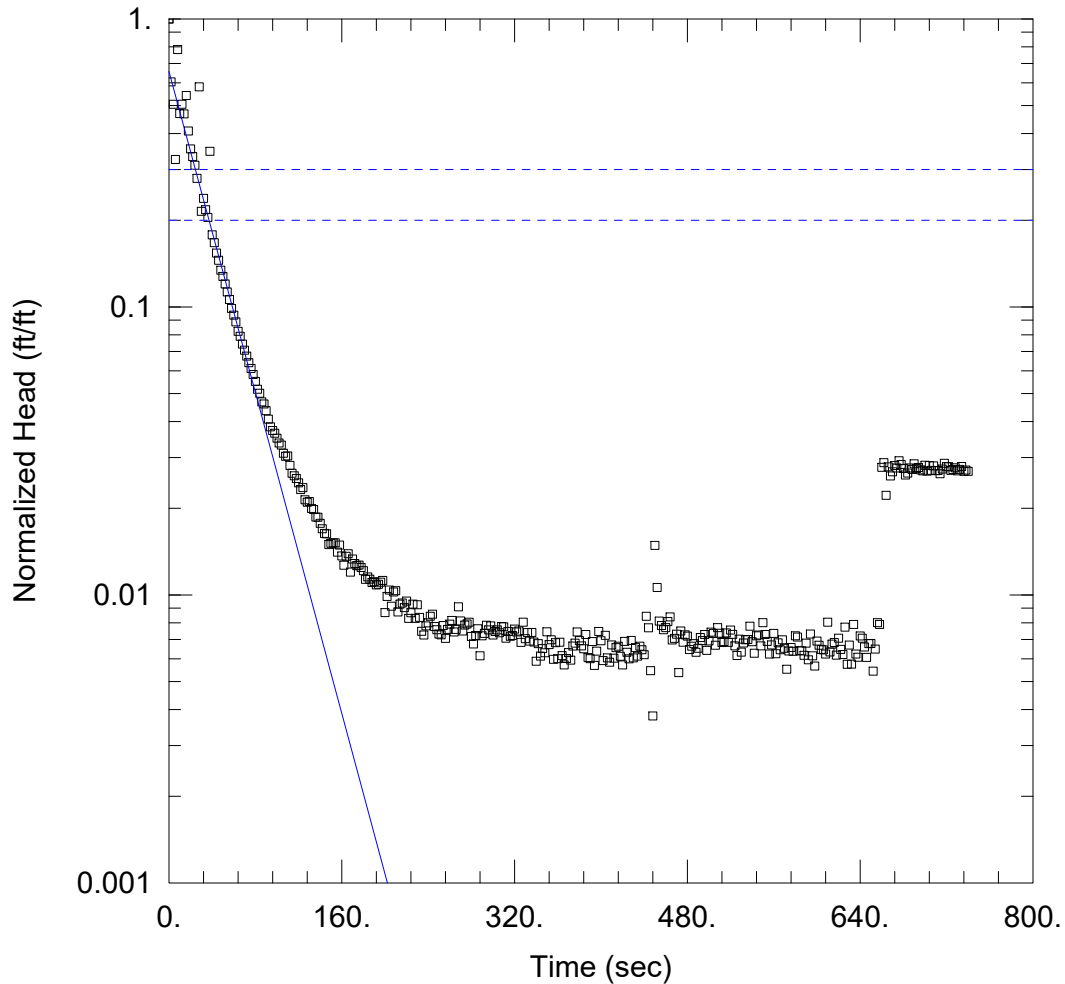
SOLUTION

Slug Test
 Aquifer Model: Unconfined
 Solution Method: Bouwer-Rice
 ln(Re/rw): 3.176

VISUAL ESTIMATION RESULTSEstimated Parameters

<u>Parameter</u>	<u>Estimate</u>	
K	0.02321	ft/day
y0	1.26	ft

K = 8.187E-6 cm/sec
 T = K*b = 1.712 ft²/day (0.01841 sq. cm/sec)



GW101S_FHT

Data Set: V:\Projects\ANY\K4\33525\Data\Other\Slug Tests\GW101S_FHT\GW101S_FHT.aqt
 Date: 05/10/18 Time: 10:45:12

PROJECT INFORMATION

Company: CHA
 Client: Ranalli/Taylor St., LLC
 Project: 33525
 Location: Syracuse, NY
 Test Well: GW101S
 Test Date: 5/4/2018

AQUIFER DATA

Saturated Thickness: 74.46 ft Anisotropy Ratio (Kz/Kr): 1.

WELL DATA (GW101S)

Initial Displacement: 1.484 ft Static Water Column Height: 11.46 ft
 Total Well Penetration Depth: 11.46 ft Screen Length: 10. ft
 Casing Radius: 0.083 ft Well Radius: 0.177 ft

SOLUTION

Aquifer Model: Unconfined Solution Method: Bower-Rice
 K = 1.076 ft/day y0 = 0.9748 ft

Data Set: V:\Projects\ANY\K4\33525\Data\Other\Slug Tests\GW101S_FHT\GW101S_FHT.aqt
 Title: GW101S_FHT
 Date: 05/10/18
 Time: 10:45:29

PROJECT INFORMATION

Company: CHA
 Client: Ranalli/Taylor St., LLC
 Project: 33525
 Location: Syracuse, NY
 Test Date: 5/4/2018
 Test Well: GW101S

AQUIFER DATA

Saturated Thickness: 74.46 ft
 Anisotropy Ratio (Kz/Kr): 1.

SLUG TEST WELL DATA

Test Well: GW101S

X Location: 0. ft
 Y Location: 0. ft

Initial Displacement: 1.484 ft
 Static Water Column Height: 11.46 ft
 Casing Radius: 0.083 ft
 Well Radius: 0.177 ft
 Well Skin Radius: 0.354 ft
 Screen Length: 10. ft
 Total Well Penetration Depth: 11.46 ft

No. of Observations: 371

Time (sec)	Observation Data		Displacement (ft)
	Displacement (ft)	Time (sec)	
0.	1.484	372.	0.008815
2.	0.8976	374.	0.009862
4.	0.7496	376.	0.01009
6.	0.4822	378.	0.01104
8.	1.162	380.	0.0103
10.	0.6965	382.	0.00988
12.	0.7504	384.	0.009644
14.	0.6949	386.	0.01082
16.	0.8046	388.	0.008995
18.	0.6061	390.	0.008919
20.	0.5248	392.	0.01022
22.	0.4934	394.	0.008446
24.	0.461	396.	0.009469
26.	0.415	398.	0.01108
28.	0.8627	400.	0.01029
30.	0.3186	402.	0.008773
32.	0.3536	404.	0.01075
34.	0.323	406.	0.008966
36.	0.3037	408.	0.008665
38.	0.5151	410.	0.009948
40.	0.2642	412.	0.008946
42.	0.2482	414.	0.009733
44.	0.2282	416.	0.009843
46.	0.2155	418.	0.009082
48.	0.1991	420.	0.008477
50.	0.1894	422.	0.01023
52.	0.1783	424.	0.009383
54.	0.1673	426.	0.008898
56.	0.1574	428.	0.01031

Time (sec)	Displacement (ft)	Time (sec)	Displacement (ft)
58.	0.1467	430.	0.008971
60.	0.1389	432.	0.009741
62.	0.1316	434.	0.009097
64.	0.1222	436.	0.009853
66.	0.1173	438.	0.009572
68.	0.1102	440.	0.009208
70.	0.105	442.	0.01251
72.	0.1002	444.	0.01141
74.	0.09508	446.	0.008096
76.	0.09078	448.	0.005636
78.	0.08642	450.	0.02206
80.	0.08179	452.	0.01575
82.	0.07687	454.	0.01205
84.	0.07441	456.	0.01162
86.	0.06944	458.	0.01123
88.	0.06832	460.	0.01142
90.	0.06475	462.	0.012
92.	0.06053	464.	0.01245
94.	0.0569	466.	0.01036
96.	0.05525	468.	0.01048
98.	0.05403	470.	0.01084
100.	0.05197	472.	0.007975
102.	0.04999	474.	0.01112
104.	0.04919	476.	0.01017
106.	0.04605	478.	0.01079
108.	0.04497	480.	0.01068
110.	0.04509	482.	0.009594
112.	0.04181	484.	0.009844
114.	0.03924	486.	0.01005
116.	0.03846	488.	0.009382
118.	0.03765	490.	0.009688
120.	0.03635	492.	0.01056
122.	0.03446	494.	0.01031
124.	0.03497	496.	0.01082
126.	0.03174	498.	0.009524
128.	0.03117	500.	0.01028
130.	0.03129	502.	0.01102
132.	0.02961	504.	0.01089
134.	0.02935	506.	0.009928
136.	0.02766	508.	0.01142
138.	0.02761	510.	0.01092
140.	0.02631	512.	0.01015
142.	0.02518	514.	0.01022
144.	0.02427	516.	0.01095
146.	0.02416	518.	0.01016
148.	0.02219	520.	0.01121
150.	0.02242	522.	0.01083
152.	0.02251	524.	0.00987
154.	0.02249	526.	0.009143
156.	0.02091	528.	0.01042
158.	0.0221	530.	0.009397
160.	0.02027	532.	0.0101
162.	0.01882	534.	0.01037
164.	0.0202	536.	0.01039
166.	0.02063	538.	0.01156
168.	0.01782	540.	0.0102
170.	0.01978	542.	0.009314
172.	0.01908	544.	0.0107
174.	0.01875	546.	0.01077
176.	0.01884	548.	0.009871
178.	0.01847	550.	0.01189
180.	0.01802	552.	0.01082
182.	0.01682	554.	0.01023
184.	0.01713	556.	0.009255
186.	0.01683	558.	0.009954
188.	0.01639	560.	0.01092

Time (sec)	Displacement (ft)	Time (sec)	Displacement (ft)
190.	0.01649	562.	0.009278
192.	0.01607	564.	0.01012
194.	0.01615	566.	0.009576
196.	0.01642	568.	0.01036
198.	0.01666	570.	0.009684
200.	0.01288	572.	0.00819
202.	0.01465	574.	0.009482
204.	0.01543	576.	0.009749
206.	0.01357	578.	0.009449
208.	0.0152	580.	0.0107
210.	0.01536	582.	0.0106
212.	0.01294	584.	0.0095
214.	0.01379	586.	0.009489
216.	0.01392	588.	0.009157
218.	0.01341	590.	0.0101
220.	0.01412	592.	0.008839
222.	0.01231	594.	0.01085
224.	0.01286	596.	0.009119
226.	0.01379	598.	0.008404
228.	0.0123	600.	0.01026
230.	0.01372	602.	0.009922
232.	0.0124	604.	0.009599
234.	0.01109	606.	0.009565
236.	0.01078	608.	0.009252
238.	0.01159	610.	0.01194
240.	0.01187	612.	0.00941
242.	0.01251	614.	0.01001
244.	0.01273	616.	0.01015
246.	0.01152	618.	0.009171
248.	0.01124	620.	0.0105
250.	0.01085	622.	0.009606
252.	0.01079	624.	0.009217
254.	0.01162	626.	0.01146
256.	0.01049	628.	0.008528
258.	0.01127	630.	0.009939
260.	0.01175	632.	0.008538
262.	0.0121	634.	0.01172
264.	0.01104	636.	0.009256
266.	0.01127	638.	0.009013
268.	0.0135	640.	0.01068
270.	0.01206	642.	0.0105
272.	0.01113	644.	0.009787
274.	0.01166	646.	0.009001
276.	0.01177	648.	0.01006
278.	0.01193	650.	0.01007
280.	0.01064	652.	0.008069
282.	0.01003	654.	0.009631
284.	0.01073	656.	0.01189
286.	0.01132	658.	0.01172
288.	0.009118	660.	0.04116
290.	0.0107	662.	0.04272
292.	0.01091	664.	0.03291
294.	0.01164	666.	0.04134
296.	0.01123	668.	0.03842
298.	0.01158	670.	0.03973
300.	0.01078	672.	0.04173
302.	0.01108	674.	0.04098
304.	0.01122	676.	0.04338
306.	0.01097	678.	0.04214
308.	0.01153	680.	0.04082
310.	0.0115	682.	0.03872
312.	0.01051	684.	0.03934
314.	0.01107	686.	0.04093
316.	0.01066	688.	0.04048
318.	0.01073	690.	0.04231
320.	0.0113	692.	0.04074

<u>Time (sec)</u>	<u>Displacement (ft)</u>	<u>Time (sec)</u>	<u>Displacement (ft)</u>
322.	0.01103	694.	0.0411
324.	0.01112	696.	0.04034
326.	0.01015	698.	0.04002
328.	0.01194	700.	0.04186
330.	0.01046	702.	0.03993
332.	0.01097	704.	0.04173
334.	0.01026	706.	0.04019
336.	0.01099	708.	0.04164
338.	0.01019	710.	0.04007
340.	0.008728	712.	0.04012
342.	0.01005	714.	0.03912
344.	0.0091	716.	0.0406
346.	0.009666	718.	0.04252
348.	0.009343	720.	0.04136
350.	0.01105	722.	0.04136
352.	0.009972	724.	0.04017
354.	0.01036	726.	0.04045
356.	0.008868	728.	0.041
358.	0.01014	730.	0.04002
360.	0.008916	732.	0.04049
362.	0.01017	734.	0.04143
364.	0.009129	736.	0.03986
366.	0.008479	738.	0.04027
368.	0.008922	740.	0.03988
370.	0.009357		

SOLUTION

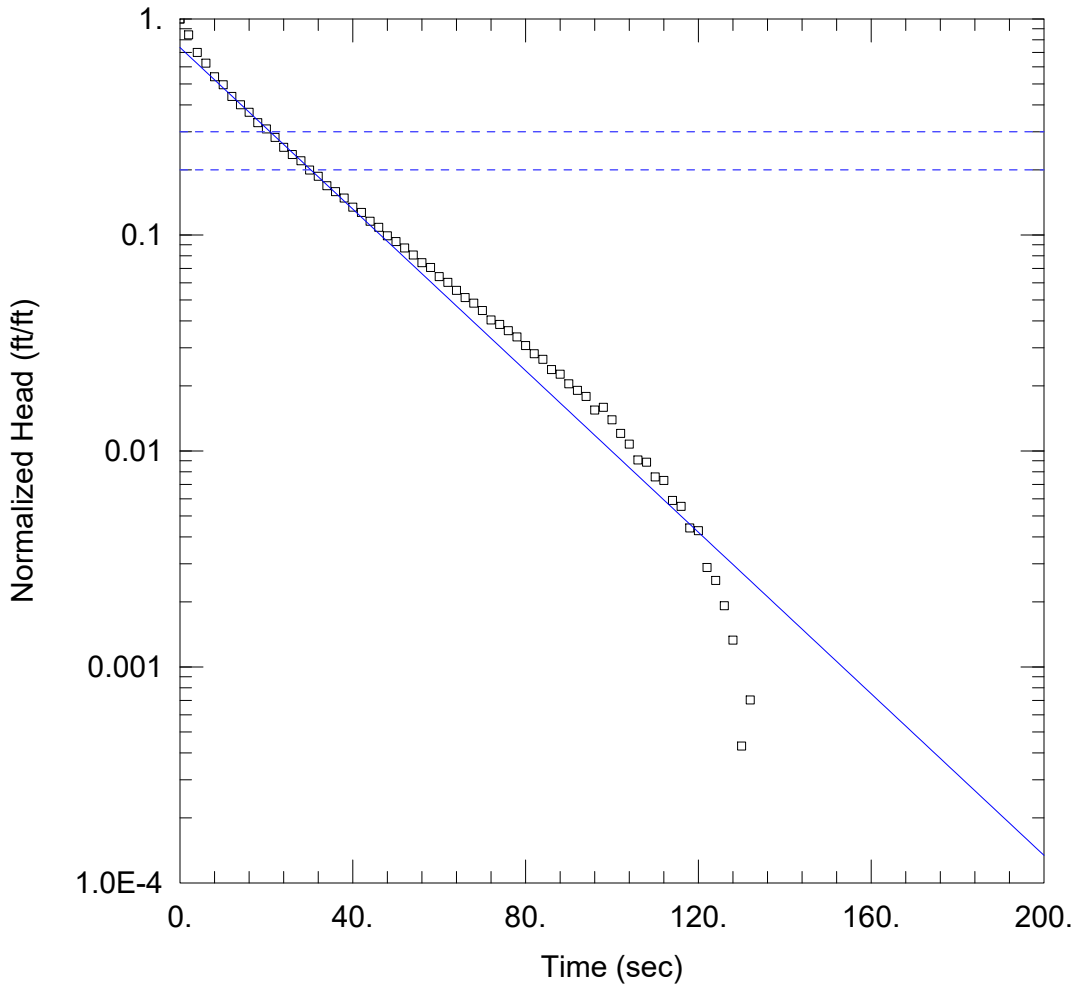
Slug Test
 Aquifer Model: Unconfined
 Solution Method: Bouwer-Rice
 ln(Re/rw): 2.659

VISUAL ESTIMATION RESULTS

Estimated Parameters

<u>Parameter</u>	<u>Estimate</u>	
K	1.076	ft/day
y0	0.9748	ft

K = 0.0003795 cm/sec
 T = K*b = 80.1 ft²/day (0.8613 sq. cm/sec)



GW101S_RHT

Data Set: V:\Projects\ANY\K4\33525\Data\Other\Slug Tests\GW101S_RHT\GW101S_RHT.aqt
 Date: 05/10/18 Time: 10:48:24

PROJECT INFORMATION

Company: CHA
 Client: Ranalli/Taylor St., LLC
 Project: 33525
 Location: Syracuse, NY
 Test Well: GW101S
 Test Date: 5/4/2018

AQUIFER DATA

Saturated Thickness: 74.49 ft Anisotropy Ratio (Kz/Kr): 1.

WELL DATA (GW101S)

Initial Displacement: 1.677 ft Static Water Column Height: 11.49 ft
 Total Well Penetration Depth: 11.49 ft Screen Length: 10. ft
 Casing Radius: 0.083 ft Well Radius: 0.177 ft

SOLUTION

Aquifer Model: Unconfined Solution Method: Bower-Rice
 K = 1.445 ft/day y0 = 1.237 ft

Data Set: V:\Projects\ANY\K4\33525\Data\Other\Slug Tests\GW101S_RHT\GW101S_RHT.aqt
 Title: GW101S_RHT
 Date: 05/10/18
 Time: 10:48:37

PROJECT INFORMATION

Company: CHA
 Client: Ranalli/Taylor St., LLC
 Project: 33525
 Location: Syracuse, NY
 Test Date: 5/4/2018
 Test Well: GW101S

AQUIFER DATA

Saturated Thickness: 74.49 ft
 Anisotropy Ratio (Kz/Kr): 1.

SLUG TEST WELL DATA

Test Well: GW101S

X Location: 0. ft
 Y Location: 0. ft

Initial Displacement: 1.677 ft
 Static Water Column Height: 11.49 ft
 Casing Radius: 0.083 ft
 Well Radius: 0.177 ft
 Well Skin Radius: 0.354 ft
 Screen Length: 10. ft
 Total Well Penetration Depth: 11.49 ft

No. of Observations: 67

Observation Data			
Time (sec)	Displacement (ft)	Time (sec)	Displacement (ft)
0.	1.677	68.	0.08104
2.	1.416	70.	0.07487
4.	1.174	72.	0.06771
6.	1.046	74.	0.06464
8.	0.9059	76.	0.06047
10.	0.8308	78.	0.05655
12.	0.7342	80.	0.05154
14.	0.6723	82.	0.04728
16.	0.6199	84.	0.04456
18.	0.5547	86.	0.03995
20.	0.519	88.	0.03799
22.	0.4741	90.	0.0343
24.	0.4266	92.	0.03202
26.	0.395	94.	0.02996
28.	0.3698	96.	0.02592
30.	0.3352	98.	0.0267
32.	0.3135	100.	0.02337
34.	0.2833	102.	0.02024
36.	0.2661	104.	0.01804
38.	0.2487	106.	0.01522
40.	0.2257	108.	0.01487
42.	0.2132	110.	0.01272
44.	0.1939	112.	0.01224
46.	0.182	114.	0.009895
48.	0.1662	116.	0.009297
50.	0.1563	118.	0.00738
52.	0.1459	120.	0.007165
54.	0.1354	122.	0.004838
56.	0.1247	124.	0.004216

<u>Time (sec)</u>	<u>Displacement (ft)</u>	<u>Time (sec)</u>	<u>Displacement (ft)</u>
58.	0.1185	126.	0.003221
60.	0.1076	128.	0.002232
62.	0.1011	130.	0.000722
64.	0.09293	132.	0.001179
66.	0.08599		

SOLUTION

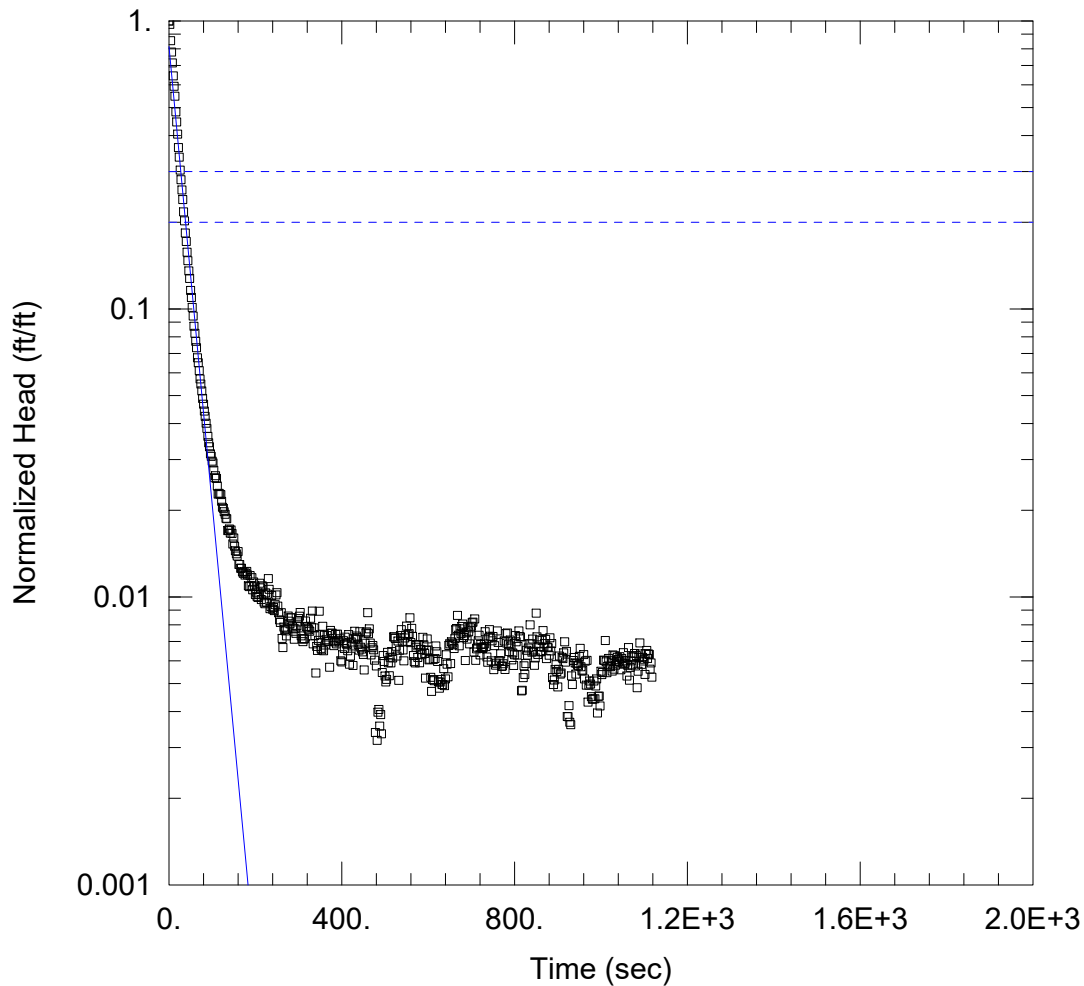
Slug Test
 Aquifer Model: Unconfined
 Solution Method: Bouwer-Rice
 ln(Re/rw): 2.66

VISUAL ESTIMATION RESULTSEstimated Parameters

<u>Parameter</u>	<u>Estimate</u>	
K	1.445	ft/day
y0	1.237	ft

K = 0.0005096 cm/sec

T = K*b = 107.6 ft²/day (1.157 sq. cm/sec)



GW103D_FHT

Data Set: V:\Projects\ANY\K4\33525\Data\Other\Slug Tests\GW103D_FHT\GW103D_FHT.aqt
 Date: 05/10/18 Time: 11:34:51

PROJECT INFORMATION

Company: CHA
 Client: Ranalli/Taylor St., LLC
 Project: 33525
 Location: Syracuse, NY
 Test Well: GW103D
 Test Date: 5/4/2018

AQUIFER DATA

Saturated Thickness: 74.22 ft Anisotropy Ratio (Kz/Kr): 1.

WELL DATA (GW103D)

Initial Displacement: 1.602 ft Static Water Column Height: 17.22 ft
 Total Well Penetration Depth: 17.22 ft Screen Length: 10. ft
 Casing Radius: 0.083 ft Well Radius: 0.177 ft

SOLUTION

Aquifer Model: Unconfined Solution Method: Bower-Rice
 K = 1.313 ft/day y0 = 1.306 ft

Data Set: V:\Projects\ANY\K4\33525\Data\Other\Slug Tests\GW103D_FHT\GW103D_FHT.aqt
 Title: GW103D_FHT
 Date: 05/10/18
 Time: 11:35:06

PROJECT INFORMATION

Company: CHA
 Client: Ranalli/Taylor St., LLC
 Project: 33525
 Location: Syracuse, NY
 Test Date: 5/4/2018
 Test Well: GW103D

AQUIFER DATA

Saturated Thickness: 74.22 ft
 Anisotropy Ratio (Kz/Kr): 1.

SLUG TEST WELL DATA

Test Well: GW103D

X Location: 0. ft
 Y Location: 0. ft

Initial Displacement: 1.602 ft
 Static Water Column Height: 17.22 ft
 Casing Radius: 0.083 ft
 Well Radius: 0.177 ft
 Well Skin Radius: 0.354 ft
 Screen Length: 10. ft
 Total Well Penetration Depth: 17.22 ft

No. of Observations: 577

Time (sec)	Observation Data		Displacement (ft)
	Displacement (ft)	Time (sec)	
0.	1.602	578.	0.01095
2.	1.558	580.	0.00947
4.	1.368	582.	0.01054
6.	1.249	584.	0.01051
8.	1.145	586.	0.01013
10.	1.033	588.	0.0116
12.	0.9503	590.	0.01092
14.	0.877	592.	0.01019
16.	0.7745	594.	0.00837
18.	0.7139	596.	0.01045
20.	0.6482	598.	0.01145
22.	0.582	600.	0.01049
24.	0.539	602.	0.00969
26.	0.486	604.	0.00973
28.	0.4498	606.	0.00842
30.	0.4149	608.	0.00753
32.	0.3842	610.	0.00827
34.	0.3482	612.	0.00972
36.	0.324	614.	0.0082
38.	0.2938	616.	0.00978
40.	0.2745	618.	0.01083
42.	0.2523	620.	0.01034
44.	0.2355	622.	0.00956
46.	0.217	624.	0.00813
48.	0.2043	626.	0.00772
50.	0.1857	628.	0.00811
52.	0.1755	630.	0.00827
54.	0.1622	632.	0.00795
56.	0.1513	634.	0.00794

<u>Time (sec)</u>	<u>Displacement (ft)</u>	<u>Time (sec)</u>	<u>Displacement (ft)</u>
58.	0.1395	636.	0.00903
60.	0.1318	638.	0.00788
62.	0.1236	640.	0.00832
64.	0.1175	642.	0.01009
66.	0.1084	644.	0.00936
68.	0.1042	646.	0.00846
70.	0.09788	648.	0.01086
72.	0.0915	650.	0.01101
74.	0.08788	652.	0.0094
76.	0.08315	654.	0.01119
78.	0.0783	656.	0.01108
80.	0.07481	658.	0.01093
82.	0.07082	660.	0.0106
84.	0.06785	662.	0.01147
86.	0.06422	664.	0.01232
88.	0.06158	666.	0.01244
90.	0.0578	668.	0.01382
92.	0.05498	670.	0.01179
94.	0.05325	672.	0.01084
96.	0.05033	674.	0.01241
98.	0.04929	676.	0.01195
100.	0.04741	678.	0.01265
102.	0.04678	680.	0.01289
104.	0.0441	682.	0.01159
106.	0.04154	684.	0.01177
108.	0.04223	686.	0.00964
110.	0.04129	688.	0.01202
112.	0.03889	690.	0.01144
114.	0.03645	692.	0.0126
116.	0.0367	694.	0.01212
118.	0.03644	696.	0.01101
120.	0.03631	698.	0.0125
122.	0.03441	700.	0.01267
124.	0.03282	702.	0.01303
126.	0.03253	704.	0.0131
128.	0.03167	706.	0.01031
130.	0.03101	708.	0.01344
132.	0.03006	710.	0.00965
134.	0.02994	712.	0.01058
136.	0.02722	714.	0.01071
138.	0.02729	716.	0.01127
140.	0.02756	718.	0.01179
142.	0.02669	720.	0.01007
144.	0.02736	722.	0.01095
146.	0.02662	724.	0.01069
148.	0.02445	726.	0.0106
150.	0.02566	728.	0.01071
152.	0.02401	730.	0.01101
154.	0.02318	732.	0.01213
156.	0.02261	734.	0.01077
158.	0.02222	736.	0.00991
160.	0.02301	738.	0.0095
162.	0.02075	740.	0.01152
164.	0.02076	742.	0.01234
166.	0.02014	744.	0.0117
168.	0.02015	746.	0.00961
170.	0.01956	748.	0.01127
172.	0.01936	750.	0.01168
174.	0.0196	752.	0.00896
176.	0.01907	754.	0.01085
178.	0.01938	756.	0.00928
180.	0.01964	758.	0.00943
182.	0.01909	760.	0.01221
184.	0.0175	762.	0.01113
186.	0.0174	764.	0.00964
188.	0.01901	766.	0.00961

<u>Time (sec)</u>	<u>Displacement (ft)</u>	<u>Time (sec)</u>	<u>Displacement (ft)</u>
190.	0.01748	768.	0.01017
192.	0.01868	770.	0.00919
194.	0.01697	772.	0.00923
196.	0.01806	774.	0.00939
198.	0.01745	776.	0.01126
200.	0.01635	778.	0.00897
202.	0.01663	780.	0.01194
204.	0.0161	782.	0.01108
206.	0.01594	784.	0.01201
208.	0.01639	786.	0.01094
210.	0.01787	788.	0.01035
212.	0.01723	790.	0.01135
214.	0.01569	792.	0.01083
216.	0.01751	794.	0.00968
218.	0.01735	796.	0.01023
220.	0.01536	798.	0.00926
222.	0.01517	800.	0.01009
224.	0.01655	802.	0.01176
226.	0.01532	804.	0.01119
228.	0.01638	806.	0.01006
230.	0.01855	808.	0.01078
232.	0.01702	810.	0.01221
234.	0.01459	812.	0.01167
236.	0.0148	814.	0.01163
238.	0.01619	816.	0.00756
240.	0.01451	818.	0.00759
242.	0.01474	820.	0.0084
244.	0.01437	822.	0.00924
246.	0.01505	824.	0.00862
248.	0.01628	826.	0.0094
250.	0.01658	828.	0.01046
252.	0.01488	830.	0.01006
254.	0.01411	832.	0.01064
256.	0.01333	834.	0.01101
258.	0.01306	836.	0.01281
260.	0.01413	838.	0.01102
262.	0.01149	840.	0.0103
264.	0.01069	842.	0.01143
266.	0.01259	844.	0.01038
268.	0.01233	846.	0.00927
270.	0.0122	848.	0.00984
272.	0.01174	850.	0.01407
274.	0.01241	852.	0.01165
276.	0.01375	854.	0.01011
278.	0.0132	856.	0.01075
280.	0.01291	858.	0.01137
282.	0.01355	860.	0.01033
284.	0.01356	862.	0.01036
286.	0.0126	864.	0.01132
288.	0.01247	866.	0.01224
290.	0.01142	868.	0.01071
292.	0.01242	870.	0.01104
294.	0.01198	872.	0.01141
296.	0.0127	874.	0.00978
298.	0.01311	876.	0.01073
300.	0.01347	878.	0.01067
302.	0.01374	880.	0.01005
304.	0.01414	882.	0.01156
306.	0.01173	884.	0.0104
308.	0.01147	886.	0.01103
310.	0.01121	888.	0.0084
312.	0.01144	890.	0.00795
314.	0.01147	892.	0.00824
316.	0.01322	894.	0.00896
318.	0.01266	896.	0.00932
320.	0.01259	898.	0.00882

Time (sec)	Displacement (ft)	Time (sec)	Displacement (ft)
322.	0.01241	900.	0.0078
324.	0.01231	902.	0.00898
326.	0.01217	904.	0.00998
328.	0.01351	906.	0.00864
330.	0.01255	908.	0.00872
332.	0.0143	910.	0.00989
334.	0.01101	912.	0.00979
336.	0.01251	914.	0.01024
338.	0.01177	916.	0.01119
340.	0.00872	918.	0.00951
342.	0.01078	920.	0.01037
344.	0.01044	922.	0.00616
346.	0.01132	924.	0.00615
348.	0.01429	926.	0.00672
350.	0.01186	928.	0.00588
352.	0.01062	930.	0.00577
354.	0.0105	932.	0.00852
356.	0.01267	934.	0.00795
358.	0.01042	936.	0.00964
360.	0.0118	938.	0.00987
362.	0.01091	940.	0.00945
364.	0.01138	942.	0.00864
366.	0.01177	944.	0.00942
368.	0.01126	946.	0.00929
370.	0.01122	948.	0.00923
372.	0.00913	950.	0.00996
374.	0.01226	952.	0.01062
376.	0.01197	954.	0.00917
378.	0.01199	956.	0.00887
380.	0.01128	958.	0.00892
382.	0.01085	960.	0.0101
384.	0.01118	962.	0.00832
386.	0.01187	964.	0.00958
388.	0.01101	966.	0.00791
390.	0.0119	968.	0.00965
392.	0.01132	970.	0.00691
394.	0.01118	972.	0.00791
396.	0.01147	974.	0.00818
398.	0.00961	976.	0.00798
400.	0.00953	978.	0.00722
402.	0.01009	980.	0.00707
404.	0.01129	982.	0.00709
406.	0.0106	984.	0.00818
408.	0.01162	986.	0.0071
410.	0.01105	988.	0.00786
412.	0.01094	990.	0.00832
414.	0.01042	992.	0.00633
416.	0.01185	994.	0.00723
418.	0.00935	996.	0.00725
420.	0.00997	998.	0.0067
422.	0.01117	1000.	0.00884
424.	0.01082	1002.	0.00861
426.	0.00926	1004.	0.00875
428.	0.01147	1006.	0.00966
430.	0.01218	1008.	0.00965
432.	0.01144	1010.	0.0113
434.	0.01172	1012.	0.00954
436.	0.01157	1014.	0.00874
438.	0.01097	1016.	0.0092
440.	0.01047	1018.	0.0098
442.	0.01213	1020.	0.00921
444.	0.01071	1022.	0.00917
446.	0.01056	1024.	0.00962
448.	0.01033	1026.	0.00885
450.	0.01012	1028.	0.01007
452.	0.00894	1030.	0.00899

Time (sec)	Displacement (ft)	Time (sec)	Displacement (ft)
454.	0.01106	1032.	0.01001
456.	0.012	1034.	0.00928
458.	0.01212	1036.	0.00955
460.	0.01412	1038.	0.00988
462.	0.01195	1040.	0.00972
464.	0.01241	1042.	0.00959
466.	0.01107	1044.	0.00994
468.	0.01008	1046.	0.00895
470.	0.01067	1048.	0.0098
472.	0.01087	1050.	0.00944
474.	0.0105	1052.	0.01026
476.	0.00966	1054.	0.00936
478.	0.00542	1056.	0.00943
480.	0.00923	1058.	0.00961
482.	0.00509	1060.	0.00851
484.	0.00637	1062.	0.00927
486.	0.00651	1064.	0.01069
488.	0.0057	1066.	0.00823
490.	0.00625	1068.	0.00912
492.	0.00536	1070.	0.00961
494.	0.00875	1072.	0.00931
496.	0.01002	1074.	0.00992
498.	0.00956	1076.	0.00992
500.	0.00851	1078.	0.01019
502.	0.00812	1080.	0.00923
504.	0.00828	1082.	0.01002
506.	0.01029	1084.	0.00775
508.	0.00947	1086.	0.00884
510.	0.00853	1088.	0.00987
512.	0.00989	1090.	0.01109
514.	0.00945	1092.	0.01015
516.	0.01035	1094.	0.00934
518.	0.00984	1096.	0.00989
520.	0.01163	1098.	0.0096
522.	0.01165	1100.	0.00973
524.	0.01149	1102.	0.00862
526.	0.0108	1104.	0.01018
528.	0.00998	1106.	0.01044
530.	0.01126	1108.	0.0098
532.	0.00822	1110.	0.01015
534.	0.01046	1112.	0.01012
536.	0.01177	1114.	0.00899
538.	0.01233	1116.	0.00945
540.	0.01124	1118.	0.00843
542.	0.01049	1120.	1.702
544.	0.00961	1122.	4.655
546.	0.01154	1124.	4.403
548.	0.0118	1126.	6.552
550.	0.01269	1128.	9.318
552.	0.01122	1130.	8.938
554.	0.01184	1132.	12.28
556.	0.01195	1134.	13.55
558.	0.01356	1136.	13.53
560.	0.01112	1138.	13.55
562.	0.01246	1140.	13.56
564.	0.01168	1142.	13.51
566.	0.01002	1144.	13.53
568.	0.00955	1146.	13.53
570.	0.00945	1148.	13.53
572.	0.01071	1150.	13.53
574.	0.0109	1152.	13.51
576.	0.00987		

SOLUTION

Slug Test

Aquifer Model: Unconfined
Solution Method: Bouwer-Rice
ln(Re/rw): 2.843

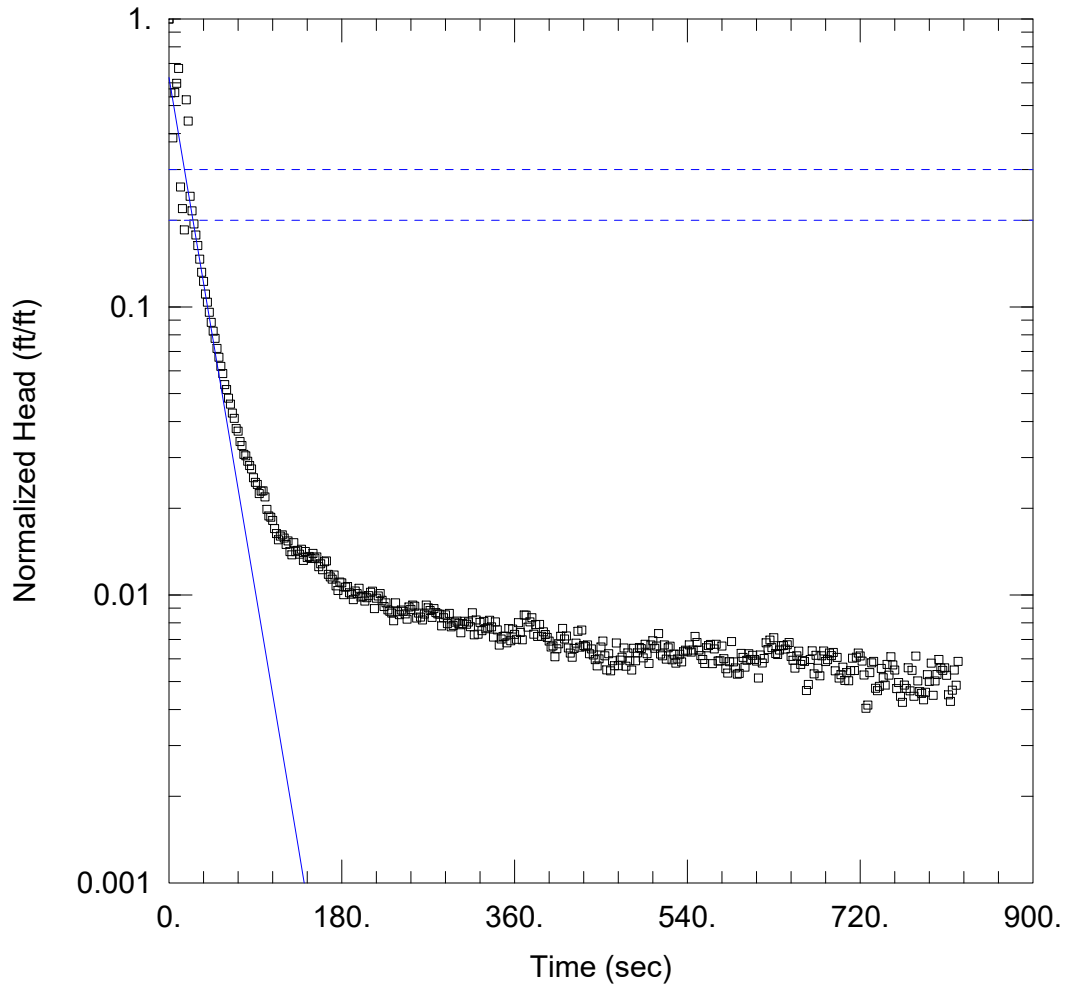
VISUAL ESTIMATION RESULTS

Estimated Parameters

<u>Parameter</u>	<u>Estimate</u>	
K	1.313	ft/day
y0	1.306	ft

K = 0.0004633 cm/sec

T = K*b = 97.47 ft²/day (1.048 sq. cm/sec)



GW103D_RHT

Data Set: V:\Projects\ANY\K4\33525\Data\Other\Slug Tests\GW103D_RHT\GW103D_RHT.aqt
 Date: 05/10/18 Time: 11:37:50

PROJECT INFORMATION

Company: CHA
 Client: Ranalli/Taylor St., LLC
 Project: 33525
 Location: Syracuse, NY
 Test Well: GW103D
 Test Date: 5/4/2018

AQUIFER DATA

Saturated Thickness: 74.25 ft Anisotropy Ratio (Kz/Kr): 1.

WELL DATA (GW103D)

Initial Displacement: 1.85 ft Static Water Column Height: 17.25 ft
 Total Well Penetration Depth: 17.25 ft Screen Length: 10. ft
 Casing Radius: 0.083 ft Well Radius: 0.177 ft

SOLUTION

Aquifer Model: Unconfined Solution Method: Bower-Rice
 K = 1.638 ft/day y0 = 1.158 ft

Data Set: V:\Projects\ANY\K4\33525\Data\Other\Slug Tests\GW103D_RHT\GW103D_RHT.aqt
 Title: GW103D_RHT
 Date: 05/10/18
 Time: 11:38:07

PROJECT INFORMATION

Company: CHA
 Client: Ranalli/Taylor St., LLC
 Project: 33525
 Location: Syracuse, NY
 Test Date: 5/4/2018
 Test Well: GW103D

AQUIFER DATA

Saturated Thickness: 74.25 ft
 Anisotropy Ratio (Kz/Kr): 1.

SLUG TEST WELL DATA

Test Well: GW103D

X Location: 0. ft
 Y Location: 0. ft

Initial Displacement: 1.85 ft
 Static Water Column Height: 17.25 ft
 Casing Radius: 0.083 ft
 Well Radius: 0.177 ft
 Well Skin Radius: 0.354 ft
 Screen Length: 10. ft
 Total Well Penetration Depth: 17.25 ft

No. of Observations: 412

Observation Data			
Time (sec)	Displacement (ft)	Time (sec)	Displacement (ft)
0.	1.85	412.	0.013
2.	1.024	414.	0.01333
4.	0.7149	416.	0.01211
6.	1.026	418.	0.01163
8.	1.106	420.	0.01125
10.	1.246	422.	0.01206
12.	0.4825	424.	0.01259
14.	0.4063	426.	0.01384
16.	0.3426	428.	0.01219
18.	0.9686	430.	0.01397
20.	0.8173	432.	0.01235
22.	0.4483	434.	0.01224
24.	0.3989	436.	0.01241
26.	0.3591	438.	0.01157
28.	0.3291	440.	0.01202
30.	0.3022	442.	0.01145
32.	0.2712	444.	0.01103
34.	0.2442	446.	0.01049
36.	0.227	448.	0.0111
38.	0.205	450.	0.01221
40.	0.1921	452.	0.01279
42.	0.1773	454.	0.01137
44.	0.1635	456.	0.01016
46.	0.1525	458.	0.01157
48.	0.1439	460.	0.01009
50.	0.1328	462.	0.01093
52.	0.1237	464.	0.0105
54.	0.1151	466.	0.0126
56.	0.1086	468.	0.01051

<u>Time (sec)</u>	<u>Displacement (ft)</u>	<u>Time (sec)</u>	<u>Displacement (ft)</u>
58.	0.09945	470.	0.01099
60.	0.09556	472.	0.01125
62.	0.08914	474.	0.01211
64.	0.08508	476.	0.01047
66.	0.07922	478.	0.01164
68.	0.07596	480.	0.01093
70.	0.06991	482.	0.01015
72.	0.06855	484.	0.01208
74.	0.06303	486.	0.01093
76.	0.06109	488.	0.01164
78.	0.05691	490.	0.01216
80.	0.0563	492.	0.01204
82.	0.05387	494.	0.01119
84.	0.05204	496.	0.01247
86.	0.05065	498.	0.01157
88.	0.04726	500.	0.0107
90.	0.04551	502.	0.0124
92.	0.04477	504.	0.01283
94.	0.04162	506.	0.01208
96.	0.04244	508.	0.0123
98.	0.0425	510.	0.01358
100.	0.04049	512.	0.01154
102.	0.03667	514.	0.01138
104.	0.03479	516.	0.0124
106.	0.03444	518.	0.01107
108.	0.03356	520.	0.01213
110.	0.03146	522.	0.01228
112.	0.03024	524.	0.01102
114.	0.02874	526.	0.01152
116.	0.0296	528.	0.01073
118.	0.02992	530.	0.01108
120.	0.02915	532.	0.01152
122.	0.02769	534.	0.01083
124.	0.02849	536.	0.01175
126.	0.02616	538.	0.01189
128.	0.02548	540.	0.01181
130.	0.0281	542.	0.0124
132.	0.02616	544.	0.01171
134.	0.02642	546.	0.01191
136.	0.02562	548.	0.01328
138.	0.02667	550.	0.01264
140.	0.02439	552.	0.01191
142.	0.02618	554.	0.01139
144.	0.02495	556.	0.01105
146.	0.02516	558.	0.01069
148.	0.02475	560.	0.01213
150.	0.02578	562.	0.01235
152.	0.02484	564.	0.01246
154.	0.02506	566.	0.01068
156.	0.02319	568.	0.01202
158.	0.02374	570.	0.01247
160.	0.02264	572.	0.0109
162.	0.02413	574.	0.01093
164.	0.02429	576.	0.01229
166.	0.0218	578.	0.01111
168.	0.02137	580.	0.01026
170.	0.021	582.	0.00991
172.	0.02171	584.	0.01085
174.	0.01988	586.	0.01274
176.	0.01916	588.	0.01084
178.	0.02051	590.	0.01032
180.	0.02039	592.	0.00982
182.	0.01853	594.	0.00988
184.	0.01969	596.	0.01159
186.	0.0198	598.	0.01123
188.	0.01882	600.	0.01039

<u>Time (sec)</u>	<u>Displacement (ft)</u>	<u>Time (sec)</u>	<u>Displacement (ft)</u>
190.	0.01861	602.	0.01097
192.	0.01782	604.	0.01157
194.	0.0191	606.	0.01105
196.	0.01871	608.	0.01142
198.	0.01951	610.	0.01105
200.	0.01819	612.	0.01091
202.	0.0183	614.	0.00952
204.	0.01762	616.	0.01145
206.	0.01809	618.	0.01074
208.	0.01839	620.	0.01113
210.	0.01891	622.	0.01261
212.	0.01908	624.	0.01196
214.	0.01658	626.	0.0129
216.	0.01802	628.	0.01214
218.	0.01835	630.	0.01315
220.	0.01871	632.	0.01158
222.	0.01773	634.	0.01149
224.	0.01687	636.	0.01191
226.	0.01736	638.	0.01232
228.	0.01642	640.	0.01235
230.	0.01624	642.	0.012
232.	0.01601	644.	0.01242
234.	0.01505	646.	0.01265
236.	0.01737	648.	0.01131
238.	0.01619	650.	0.01098
240.	0.0158	652.	0.0103
242.	0.01639	654.	0.01137
244.	0.01624	656.	0.0118
246.	0.01591	658.	0.01062
248.	0.01524	660.	0.01094
250.	0.01679	662.	0.01087
252.	0.01648	664.	0.00862
254.	0.01705	666.	0.00905
256.	0.0169	668.	0.01104
258.	0.01538	670.	0.01184
260.	0.016	672.	0.00984
262.	0.01549	674.	0.01141
264.	0.01514	676.	0.01029
266.	0.01589	678.	0.00969
268.	0.01705	680.	0.01138
270.	0.01669	682.	0.01182
272.	0.01633	684.	0.01086
274.	0.01546	686.	0.01103
276.	0.01658	688.	0.01162
278.	0.01606	690.	0.01139
280.	0.01591	692.	0.01168
282.	0.01586	694.	0.01008
284.	0.01445	696.	0.01123
286.	0.01542	698.	0.00952
288.	0.01578	700.	0.00978
290.	0.01471	702.	0.01038
292.	0.01596	704.	0.00934
294.	0.01434	706.	0.00994
296.	0.01451	708.	0.00931
298.	0.01488	710.	0.0101
300.	0.01502	712.	0.01116
302.	0.01471	714.	0.01011
304.	0.01368	716.	0.01124
306.	0.01471	718.	0.01162
308.	0.015	720.	0.01136
310.	0.01463	722.	0.01091
312.	0.0149	724.	0.00975
314.	0.01435	726.	0.00748
316.	0.01604	728.	0.00767
318.	0.01344	730.	0.00994
320.	0.01515	732.	0.01075

Time (sec)	Displacement (ft)	Time (sec)	Displacement (ft)
322.	0.01351	734.	0.01087
324.	0.01485	736.	0.00877
326.	0.0139	738.	0.00861
328.	0.01497	740.	0.00891
330.	0.01412	742.	0.01028
332.	0.01422	744.	0.00954
334.	0.0151	746.	0.009
336.	0.01433	748.	0.01062
338.	0.01321	750.	0.00974
340.	0.01491	752.	0.01128
342.	0.01399	754.	0.01057
344.	0.01239	756.	0.01015
346.	0.01301	758.	0.00875
348.	0.01327	760.	0.00919
350.	0.01331	762.	0.00823
352.	0.01262	764.	0.00784
354.	0.01413	766.	0.009
356.	0.01282	768.	0.00876
358.	0.01409	770.	0.01033
360.	0.0135	772.	0.00859
362.	0.01298	774.	0.01012
364.	0.01483	776.	0.00823
366.	0.01371	778.	0.01134
368.	0.01293	780.	0.0093
370.	0.01576	782.	0.00854
372.	0.01573	784.	0.00842
374.	0.0143	786.	0.008
376.	0.01491	788.	0.0085
378.	0.01542	790.	0.00978
380.	0.01352	792.	0.00927
382.	0.0146	794.	0.01072
384.	0.01328	796.	0.00829
386.	0.01462	798.	0.0093
388.	0.01329	800.	0.00979
390.	0.01378	802.	0.01105
392.	0.01349	804.	0.01031
394.	0.01318	806.	0.01012
396.	0.0128	808.	0.01033
398.	0.0122	810.	0.00973
400.	0.01231	812.	0.00832
402.	0.01129	814.	0.0079
404.	0.01203	816.	0.00864
406.	0.01252	818.	0.01015
408.	0.0133	820.	0.00899
410.	0.01415	822.	0.01088

SOLUTION

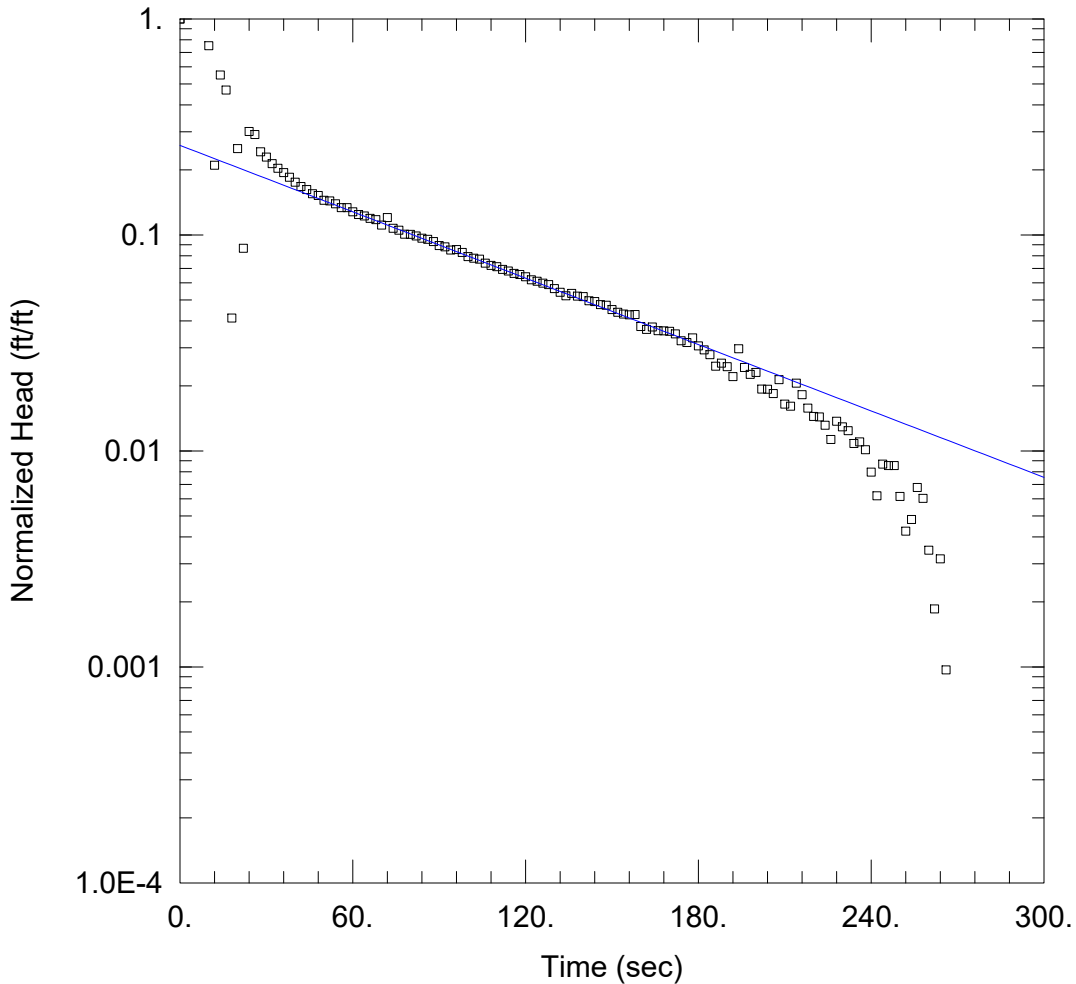
Slug Test
 Aquifer Model: Unconfined
 Solution Method: Bouwer-Rice
 ln(Re/rw): 2.844

VISUAL ESTIMATION RESULTS

Estimated Parameters

Parameter	Estimate	
K	1.638	ft/day
y0	1.158	ft

K = 0.0005779 cm/sec
 T = K*b = 121.6 ft²/day (1.308 sq. cm/sec)



GW103S_FHT

Data Set: V:\Projects\ANY\K4\33525\Data\Other\Slug Tests\GW103S_FHT\GW103S_FHT.aqt
 Date: 05/10/18 Time: 11:12:29

PROJECT INFORMATION

Company: CHA
 Client: Ranalli/Taylor St., LLC
 Project: 33525
 Location: Syracuse, NY
 Test Well: GW103S
 Test Date: 5/4/2018

AQUIFER DATA

Saturated Thickness: 75.41 ft Anisotropy Ratio (Kz/Kr): 1.

WELL DATA (GW103S)

Initial Displacement: 0.672 ft Static Water Column Height: 8.41 ft
 Total Well Penetration Depth: 8.41 ft Screen Length: 8.41 ft
 Casing Radius: 0.083 ft Well Radius: 0.177 ft

SOLUTION

Aquifer Model: Unconfined Solution Method: Bower-Rice
 K = 0.4333 ft/day y0 = 0.1746 ft

Data Set: V:\Projects\ANY\K4\33525\Data\Other\Slug Tests\GW103S_FHT\GW103S_FHT.aqt
 Title: GW103S_FHT
 Date: 05/10/18
 Time: 11:12:45

PROJECT INFORMATION

Company: CHA
 Client: Ranalli/Taylor St., LLC
 Project: 33525
 Location: Syracuse, NY
 Test Date: 5/4/2018
 Test Well: GW103S

AQUIFER DATA

Saturated Thickness: 75.41 ft
 Anisotropy Ratio (Kz/Kr): 1.

SLUG TEST WELL DATA

Test Well: GW103S

X Location: 0. ft
 Y Location: 0. ft

Initial Displacement: 0.672 ft
 Static Water Column Height: 8.41 ft
 Casing Radius: 0.083 ft
 Well Radius: 0.177 ft
 Well Skin Radius: 0.354 ft
 Screen Length: 8.41 ft
 Total Well Penetration Depth: 8.41 ft

No. of Observations: 130

Observation Data			
Time (sec)	Displacement (ft)	Time (sec)	Displacement (ft)
0.	0.6717	138.	0.035
10.	0.5054	140.	0.03485
12.	0.1412	142.	0.03332
14.	0.3695	144.	0.03302
16.	0.3149	146.	0.03195
18.	0.02769	148.	0.03173
20.	0.1688	150.	0.03032
22.	0.05831	152.	0.02945
24.	0.2025	154.	0.0289
26.	0.1959	156.	0.02867
28.	0.163	158.	0.02875
30.	0.1542	160.	0.02532
32.	0.1436	162.	0.02455
34.	0.1366	164.	0.02516
36.	0.1305	166.	0.02422
38.	0.1242	168.	0.02418
40.	0.118	170.	0.02405
42.	0.1125	172.	0.02341
44.	0.109	174.	0.02176
46.	0.1042	176.	0.02134
48.	0.1024	178.	0.02242
50.	0.09727	180.	0.0206
52.	0.09652	182.	0.01972
54.	0.09362	184.	0.01874
56.	0.08996	186.	0.01657
58.	0.08981	188.	0.01712
60.	0.086	190.	0.01649
62.	0.08351	192.	0.01484
64.	0.08227	194.	0.01995

<u>Time (sec)</u>	<u>Displacement (ft)</u>	<u>Time (sec)</u>	<u>Displacement (ft)</u>
66.	0.08011	196.	0.01637
68.	0.07904	198.	0.01519
70.	0.07468	200.	0.01551
72.	0.08092	202.	0.013
74.	0.07218	204.	0.01296
76.	0.07071	206.	0.01239
78.	0.06777	208.	0.01437
80.	0.06755	210.	0.01107
82.	0.06646	212.	0.01082
84.	0.06489	214.	0.01384
86.	0.06417	216.	0.01225
88.	0.0626	218.	0.0106
90.	0.06001	220.	0.009703
92.	0.05915	222.	0.009652
94.	0.05722	224.	0.008834
96.	0.05752	226.	0.007591
98.	0.05577	228.	0.009224
100.	0.05337	230.	0.008687
102.	0.05244	232.	0.008345
104.	0.05189	234.	0.007272
106.	0.0497	236.	0.007401
108.	0.04853	238.	0.006802
110.	0.04791	240.	0.005363
112.	0.04652	242.	0.004167
114.	0.04577	244.	0.005839
116.	0.0446	246.	0.005748
118.	0.04404	248.	0.005746
120.	0.04301	250.	0.004138
122.	0.04165	252.	0.002859
124.	0.041	254.	0.003238
126.	0.04021	256.	0.004554
128.	0.03954	258.	0.004054
130.	0.03792	260.	0.002331
132.	0.03648	262.	0.001246
134.	0.03514	264.	0.002128
136.	0.036	266.	0.000651

SOLUTION

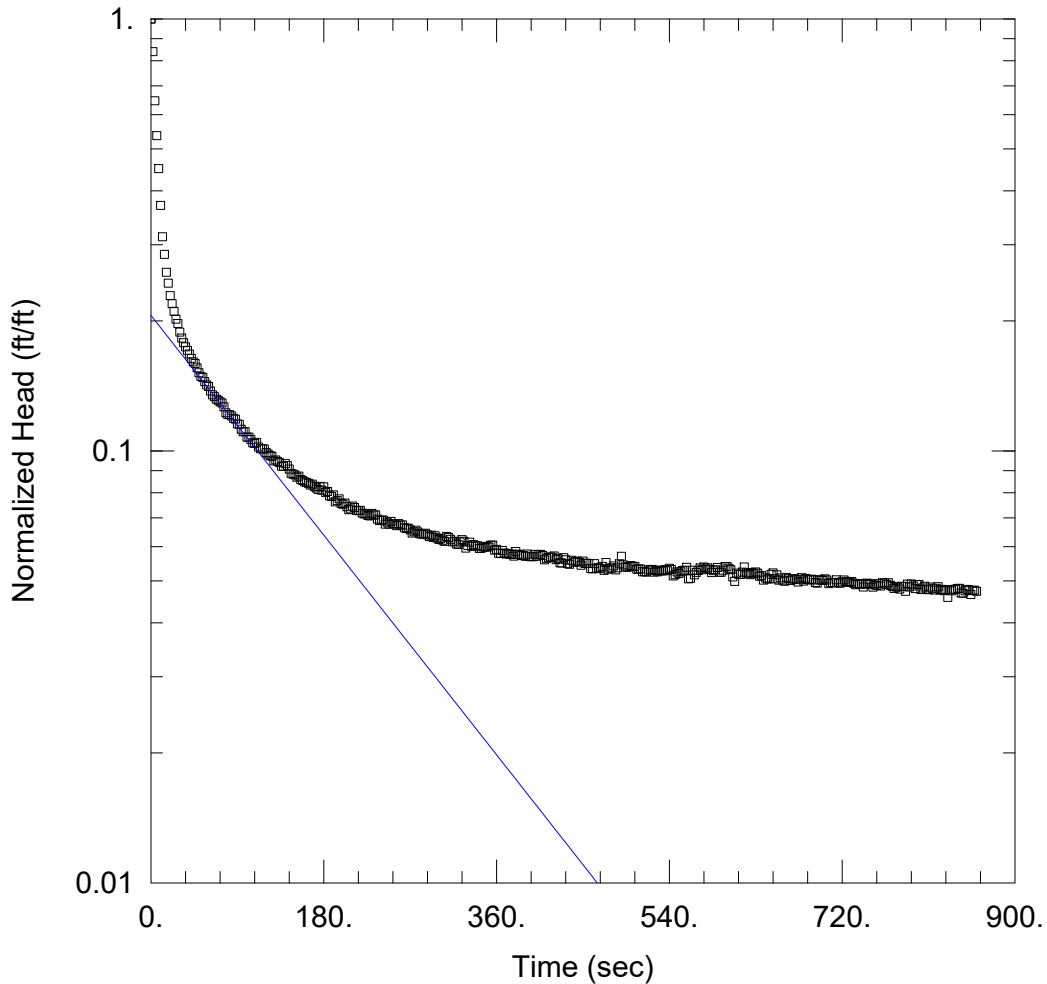
Slug Test
 Aquifer Model: Unconfined
 Solution Method: Bouwer-Rice
 ln(Re/rw): 2.449

VISUAL ESTIMATION RESULTS

Estimated Parameters

<u>Parameter</u>	<u>Estimate</u>	
K	0.4333	ft/day
y0	0.1746	ft

K = 0.0001529 cm/sec
 T = K*b = 32.68 ft²/day (0.3514 sq. cm/sec)



GW103S_RHT

Data Set: V:\Projects\ANY\K4\33525\Data\Other\Slug Tests\GW103S_RHT\GW103S_RHT.aqt
 Date: 05/10/18 Time: 11:32:38

PROJECT INFORMATION

Company: CHA
 Client: Ranalli/Taylor St., LLC
 Project: 33525
 Location: Syracuse, NY
 Test Well: GW103S
 Test Date: 5/4/2018

AQUIFER DATA

Saturated Thickness: 75.42 ft Anisotropy Ratio (Kz/Kr): 1.

WELL DATA (GW103S_RHT)

Initial Displacement: 1.577 ft Static Water Column Height: 8.42 ft
 Total Well Penetration Depth: 8.42 ft Screen Length: 8.42 ft
 Casing Radius: 0.083 ft Well Radius: 0.177 ft

SOLUTION

Aquifer Model: Unconfined Solution Method: Bower-Rice
 K = 0.2388 ft/day y0 = 0.3247 ft

Data Set: V:\Projects\ANY\K4\33525\Data\Other\Slug Tests\GW103S_RHT\GW103S_RHT.aqt
 Title: GW103S_RHT
 Date: 05/10/18
 Time: 11:32:56

PROJECT INFORMATION

Company: CHA
 Client: Ranalli/Taylor St., LLC
 Project: 33525
 Location: Syracuse, NY
 Test Date: 5/4/2018
 Test Well: GW103S

AQUIFER DATA

Saturated Thickness: 75.42 ft
 Anisotropy Ratio (Kz/Kr): 1.

SLUG TEST WELL DATA

Test Well: GW103S_RHT

X Location: 0. ft
 Y Location: 0. ft

Initial Displacement: 1.577 ft
 Static Water Column Height: 8.42 ft
 Casing Radius: 0.083 ft
 Well Radius: 0.177 ft
 Well Skin Radius: 0.354 ft
 Screen Length: 8.42 ft
 Total Well Penetration Depth: 8.42 ft

No. of Observations: 431

Time (sec)	Observation Data		Displacement (ft)
	Displacement (ft)	Time (sec)	
0.1	1.577	432.	0.08829
2.	1.325	434.	0.08651
4.	1.02	436.	0.08616
6.	0.8469	438.	0.08808
8.	0.7104	440.	0.08718
10.	0.5837	442.	0.08729
12.	0.4938	444.	0.08766
14.	0.4497	446.	0.08712
16.	0.4085	448.	0.08572
18.	0.3855	450.	0.0877
20.	0.3608	452.	0.08657
22.	0.3458	454.	0.08674
24.	0.3318	456.	0.08654
26.	0.3184	458.	0.08428
28.	0.311	460.	0.08409
30.	0.2969	462.	0.08649
32.	0.2878	464.	0.0843
34.	0.2808	466.	0.08478
36.	0.2746	468.	0.08422
38.	0.2695	470.	0.08526
40.	0.2643	472.	0.08342
42.	0.2584	474.	0.08699
44.	0.2535	476.	0.08396
46.	0.2513	478.	0.08451
48.	0.2457	480.	0.08444
50.	0.2392	482.	0.08543
52.	0.2346	484.	0.08367
54.	0.2334	486.	0.08459
56.	0.228	488.	0.08637

Time (sec)	Displacement (ft)	Time (sec)	Displacement (ft)
58.	0.2243	490.	0.08992
60.	0.2224	492.	0.08592
62.	0.2171	494.	0.08492
64.	0.2126	496.	0.08477
66.	0.2107	498.	0.08527
68.	0.2078	500.	0.0856
70.	0.2065	502.	0.08506
72.	0.2049	504.	0.08523
74.	0.2037	506.	0.08391
76.	0.1995	508.	0.08404
78.	0.1932	510.	0.08408
80.	0.1915	512.	0.08277
82.	0.1913	514.	0.0829
84.	0.19	516.	0.08268
86.	0.1877	518.	0.08359
88.	0.1868	520.	0.08364
90.	0.1821	522.	0.08384
92.	0.1817	524.	0.08267
94.	0.177	526.	0.08338
96.	0.1746	528.	0.08278
98.	0.1748	530.	0.08357
100.	0.1696	532.	0.08313
102.	0.1698	534.	0.08332
104.	0.1675	536.	0.08378
106.	0.1647	538.	0.08331
108.	0.1641	540.	0.08436
110.	0.1651	542.	0.08384
112.	0.161	544.	0.081
114.	0.1597	546.	0.08157
116.	0.1594	548.	0.08271
118.	0.1594	550.	0.08201
120.	0.1564	552.	0.08282
122.	0.155	554.	0.08331
124.	0.1538	556.	0.0835
126.	0.1532	558.	0.08479
128.	0.1496	560.	0.07973
130.	0.1503	562.	0.07999
132.	0.149	564.	0.08348
134.	0.1482	566.	0.08148
136.	0.1454	568.	0.08255
138.	0.1452	570.	0.08334
140.	0.1473	572.	0.08453
142.	0.1458	574.	0.08369
144.	0.1432	576.	0.08493
146.	0.1399	578.	0.08409
148.	0.1393	580.	0.08456
150.	0.1388	582.	0.08385
152.	0.137	584.	0.08244
154.	0.1379	586.	0.0833
156.	0.1354	588.	0.08375
158.	0.1347	590.	0.08476
160.	0.1337	592.	0.08257
162.	0.1334	594.	0.08258
164.	0.1326	596.	0.08348
166.	0.1314	598.	0.08509
168.	0.1321	600.	0.08519
170.	0.1306	602.	0.08437
172.	0.1294	604.	0.08373
174.	0.1283	606.	0.08057
176.	0.1306	608.	0.07866
178.	0.1279	610.	0.08225
180.	0.1302	612.	0.08169
182.	0.1264	614.	0.08159
184.	0.127	616.	0.08266
186.	0.1241	618.	0.08493
188.	0.1238	620.	0.08232

Time (sec)	Displacement (ft)	Time (sec)	Displacement (ft)
190.	0.1248	622.	0.08219
192.	0.1202	624.	0.08156
194.	0.121	626.	0.08246
196.	0.1222	628.	0.08186
198.	0.1192	630.	0.08276
200.	0.1187	632.	0.08217
202.	0.1195	634.	0.08081
204.	0.1171	636.	0.08117
206.	0.1153	638.	0.07922
208.	0.1158	640.	0.08017
210.	0.1175	642.	0.07964
212.	0.1166	644.	0.07988
214.	0.1149	646.	0.08171
216.	0.1147	648.	0.08229
218.	0.1149	650.	0.07977
220.	0.1132	652.	0.08145
222.	0.1128	654.	0.0792
224.	0.1126	656.	0.08013
226.	0.1118	658.	0.0792
228.	0.1115	660.	0.07871
230.	0.113	662.	0.08036
232.	0.112	664.	0.07979
234.	0.1121	666.	0.0791
236.	0.1096	668.	0.07969
238.	0.1088	670.	0.07985
240.	0.1089	672.	0.07942
242.	0.1092	674.	0.07839
244.	0.1068	676.	0.07956
246.	0.1079	678.	0.08023
248.	0.1068	680.	0.07882
250.	0.1084	682.	0.07999
252.	0.107	684.	0.07944
254.	0.1068	686.	0.07943
256.	0.1058	688.	0.07959
258.	0.107	690.	0.0793
260.	0.1062	692.	0.07819
262.	0.1063	694.	0.07791
264.	0.1047	696.	0.07932
266.	0.1044	698.	0.07923
268.	0.1045	700.	0.07911
270.	0.1036	702.	0.07974
272.	0.1018	704.	0.07927
274.	0.1025	706.	0.07776
276.	0.1033	708.	0.07819
278.	0.1024	710.	0.07813
280.	0.1015	712.	0.07829
282.	0.1012	714.	0.07934
284.	0.1013	716.	0.07798
286.	0.1017	718.	0.07795
288.	0.1008	720.	0.0785
290.	0.0999	722.	0.07926
292.	0.1006	724.	0.07845
294.	0.09942	726.	0.0787
296.	0.1003	728.	0.0783
298.	0.09911	730.	0.07858
300.	0.0984	732.	0.07788
302.	0.09899	734.	0.07724
304.	0.09793	736.	0.0778
306.	0.09735	738.	0.07746
308.	0.09995	740.	0.0778
310.	0.09934	742.	0.07634
312.	0.09845	744.	0.07748
314.	0.09709	746.	0.07796
316.	0.09747	748.	0.0777
318.	0.09604	750.	0.07767
320.	0.09578	752.	0.07632

<u>Time (sec)</u>	<u>Displacement (ft)</u>	<u>Time (sec)</u>	<u>Displacement (ft)</u>
322.	0.09703	754.	0.07719
324.	0.09829	756.	0.077
326.	0.09742	758.	0.07772
328.	0.0939	760.	0.07672
330.	0.09525	762.	0.07805
332.	0.09695	764.	0.07799
334.	0.09482	766.	0.07739
336.	0.09572	768.	0.07812
338.	0.09496	770.	0.07707
340.	0.09515	772.	0.07662
342.	0.0938	774.	0.07576
344.	0.09384	776.	0.07638
346.	0.09462	778.	0.07635
348.	0.09444	780.	0.0755
350.	0.09482	782.	0.07671
352.	0.09448	784.	0.07652
354.	0.09541	786.	0.07459
356.	0.09544	788.	0.07751
358.	0.09291	790.	0.07634
360.	0.09326	792.	0.0776
362.	0.0914	794.	0.07677
364.	0.09127	796.	0.07569
366.	0.09276	798.	0.07736
368.	0.09148	800.	0.07733
370.	0.09099	802.	0.07532
372.	0.09141	804.	0.07598
374.	0.09088	806.	0.0767
376.	0.09101	808.	0.07548
378.	0.09001	810.	0.07528
380.	0.09227	812.	0.07636
382.	0.09076	814.	0.07586
384.	0.09091	816.	0.07515
386.	0.0903	818.	0.07585
388.	0.09022	820.	0.0765
390.	0.08991	822.	0.0751
392.	0.09099	824.	0.0754
394.	0.08994	826.	0.07484
396.	0.08971	828.	0.07527
398.	0.08982	830.	0.07223
400.	0.09089	832.	0.07524
402.	0.08994	834.	0.0748
404.	0.09081	836.	0.07531
406.	0.09088	838.	0.07548
408.	0.09033	840.	0.0757
410.	0.08827	842.	0.07583
412.	0.08894	844.	0.07394
414.	0.08939	846.	0.07383
416.	0.08963	848.	0.07481
418.	0.08941	850.	0.07541
420.	0.09008	852.	0.07517
422.	0.08836	854.	0.07336
424.	0.08883	856.	0.07502
426.	0.08682	858.	0.07503
428.	0.08678	860.	0.07464
430.	0.08926		

SOLUTION

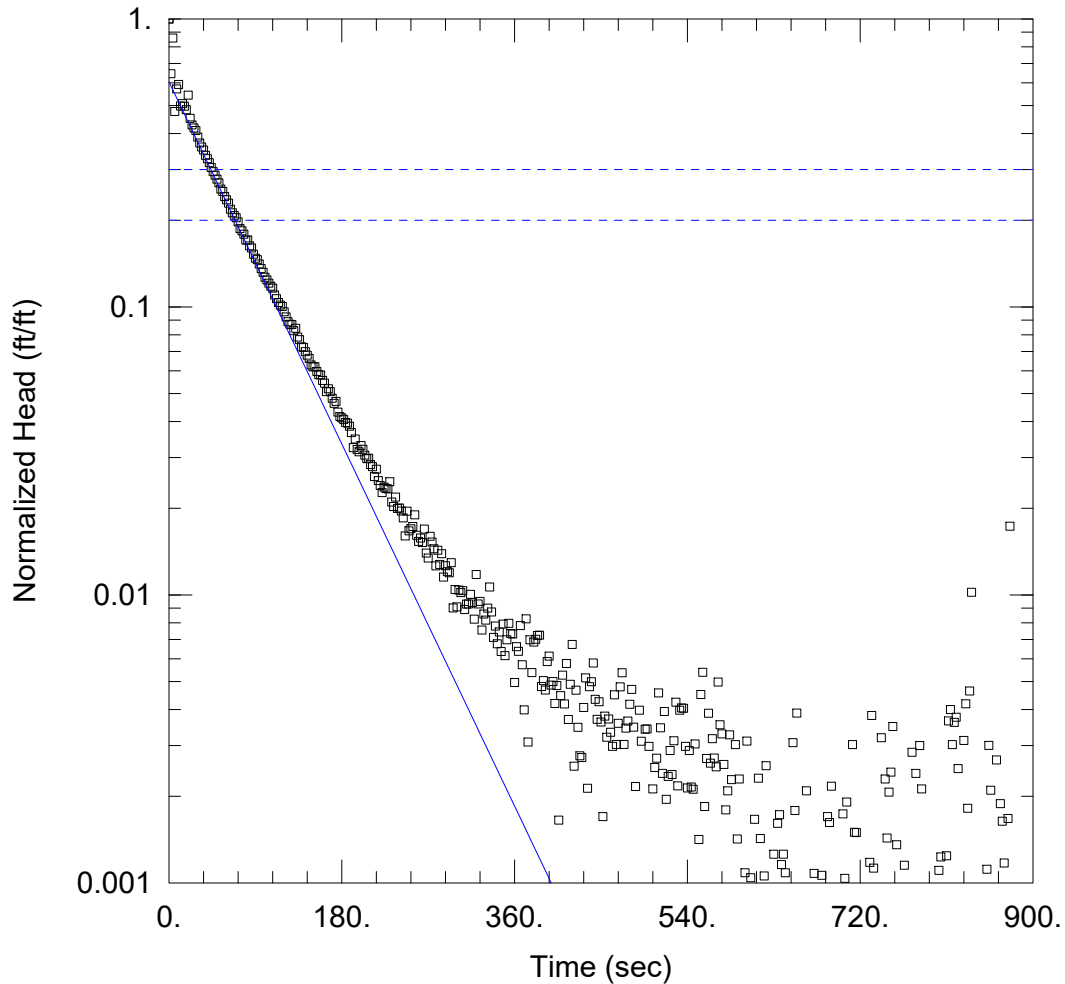
Slug Test
 Aquifer Model: Unconfined
 Solution Method: Bouwer-Rice
 ln(Re/rw): 2.45

VISUAL ESTIMATION RESULTSEstimated Parameters

<u>Parameter</u>	<u>Estimate</u>	
K	0.2388	ft/day
y0	0.3247	ft

$K = 8.425E-5$ cm/sec

$T = K*b = 18.01$ ft²/day (0.1937 sq. cm/sec)



GW105D_RHT

Data Set: V:\Projects\ANY\K4\33525\Data\Other\Slug Tests\GW105D_FHT\GW105D_FHT.aqt
 Date: 05/10/18 Time: 11:43:54

PROJECT INFORMATION

Company: CHA
 Client: Ranalli/Taylor St., LLC
 Project: 33525
 Location: Syracuse, NY
 Test Well: GW105D
 Test Date: 5/4/2018

AQUIFER DATA

Saturated Thickness: 74.25 ft Anisotropy Ratio (Kz/Kr): 1.

WELL DATA (GW105D)

Initial Displacement: 1.9 ft Static Water Column Height: 21.25 ft
 Total Well Penetration Depth: 21.25 ft Screen Length: 10. ft
 Casing Radius: 0.083 ft Well Radius: 0.177 ft

SOLUTION

Aquifer Model: Unconfined Solution Method: Bower-Rice
 K = 0.5959 ft/day y0 = 1.149 ft

Data Set: V:\Projects\ANY\K4\33525\Data\Other\Slug Tests\GW105D_FHT\GW105D_FHT.aqt
 Title: GW105D_RHT
 Date: 05/10/18
 Time: 11:44:08

PROJECT INFORMATION

Company: CHA
 Client: Ranalli/Taylor St., LLC
 Project: 33525
 Location: Syracuse, NY
 Test Date: 5/4/2018
 Test Well: GW105D

AQUIFER DATA

Saturated Thickness: 74.25 ft
 Anisotropy Ratio (Kz/Kr): 1.

SLUG TEST WELL DATA

Test Well: GW105D

X Location: 0. ft
 Y Location: 0. ft

Initial Displacement: 1.9 ft
 Static Water Column Height: 21.25 ft
 Casing Radius: 0.083 ft
 Well Radius: 0.177 ft
 Well Skin Radius: 0.354 ft
 Screen Length: 10. ft
 Total Well Penetration Depth: 21.25 ft

No. of Observations: 439

Time (sec)	Observation Data		Displacement (ft)
	Displacement (ft)	Time (sec)	
0.	1.9	440.	0.0095
2.	1.227	442.	0.01103
4.	1.631	444.	0.00825
6.	0.9069	446.	0.00703
8.	1.086	448.	0.00809
10.	1.125	450.	0.00688
12.	0.9466	452.	0.00323
14.	0.9652	454.	0.00721
16.	0.9463	456.	0.00609
18.	0.9194	458.	0.00705
20.	1.033	460.	0.00634
22.	0.8587	462.	0.00566
24.	0.8143	464.	0.00855
26.	0.7945	466.	0.00575
28.	0.7782	468.	0.00681
30.	0.7388	470.	0.00911
32.	0.705	472.	0.0102
34.	0.6822	474.	0.00575
36.	0.6665	476.	0.00655
38.	0.6387	478.	0.00693
40.	0.6217	480.	0.00793
42.	0.6019	482.	0.00893
44.	0.5797	484.	0.0066
46.	0.5602	486.	0.00411
48.	0.545	488.	-0.00074
50.	0.5281	490.	0.00756
52.	0.5128	492.	0.0059
54.	0.4878	494.	0.00042
56.	0.4783	496.	0.00649

Time (sec)	Displacement (ft)	Time (sec)	Displacement (ft)
58.	0.4592	498.	0.00651
60.	0.4475	500.	0.00566
62.	0.4355	502.	0.00097
64.	0.4152	504.	0.00403
66.	0.4036	506.	0.00478
68.	0.3946	508.	0.00515
70.	0.3879	510.	0.00868
72.	0.3751	512.	0.00657
74.	0.3556	514.	0.00456
76.	0.3493	516.	0.00748
78.	0.3398	518.	0.00371
80.	0.3243	520.	0.00445
82.	0.3247	522.	0.00548
84.	0.3096	524.	0.00452
86.	0.3047	526.	0.00592
88.	0.2896	528.	0.00806
90.	0.2805	530.	0.00413
92.	0.2772	532.	0.00756
94.	0.268	534.	0.0077
96.	0.2581	536.	0.00768
98.	0.2506	538.	0.00566
100.	0.2409	540.	0.00406
102.	0.2357	542.	0.00548
104.	0.2298	544.	0.00409
106.	0.2242	546.	0.00402
108.	0.2208	548.	0.00577
110.	0.2089	550.	0.00131
112.	0.2029	552.	0.00269
114.	0.1968	554.	0.00857
116.	0.1928	556.	0.01024
118.	0.1906	558.	0.0035
120.	0.1827	560.	0.00514
122.	0.1754	562.	0.00738
124.	0.1689	564.	0.00495
126.	0.1655	566.	0.00602
128.	0.1651	568.	0.00516
130.	0.1572	570.	0.00481
132.	0.1601	572.	0.00947
134.	0.1494	574.	0.00673
136.	0.1462	576.	0.00626
138.	0.1382	578.	0.0049
140.	0.1375	580.	0.00341
142.	0.133	582.	0.00397
144.	0.1292	584.	0.00621
146.	0.126	586.	0.00434
148.	0.1196	588.	0.00155
150.	0.1177	590.	0.00574
152.	0.1178	592.	0.0027
154.	0.1134	594.	0.00436
156.	0.1106	596.	0.00088
158.	0.1102	598.	0.00097
160.	0.1056	600.	0.00206
162.	0.1034	602.	0.00591
164.	0.09657	604.	0.00175
166.	0.09875	606.	0.00198
168.	0.0965	608.	0.00109
170.	0.09166	610.	0.00316
172.	0.08793	612.	0.00015
174.	0.08934	614.	0.00439
176.	0.08194	616.	0.00271
178.	0.07905	618.	0.00034
180.	0.07826	620.	0.00201
182.	0.07714	622.	0.00485
184.	0.07546	624.	0.00107
186.	0.07505	626.	0.00057
188.	0.07319	628.	0.00187

Time (sec)	Displacement (ft)	Time (sec)	Displacement (ft)
190.	0.06961	630.	0.00239
192.	0.06173	632.	0.00092
194.	0.0661	634.	0.00306
196.	0.06076	636.	0.00328
198.	0.05964	638.	0.0022
200.	0.06275	640.	0.00239
202.	0.06094	642.	0.00206
204.	0.05811	644.	-0.00361
206.	0.0565	646.	0.00092
208.	0.05667	648.	0.00051
210.	0.05386	650.	0.00583
212.	0.05296	652.	0.00339
214.	0.04893	654.	0.00739
216.	0.05194	656.	0.00136
218.	0.04739	658.	0.00118
220.	0.04557	660.	0.00036
222.	0.04305	662.	-0.00205
224.	0.04498	664.	0.00397
226.	0.04454	666.	0.00126
228.	0.04436	668.	3.0E-5
230.	0.04697	670.	0.00072
232.	0.03992	672.	0.00205
234.	0.03853	674.	-0.0015
236.	0.04156	676.	-0.00021
238.	0.03794	678.	0.00165
240.	0.0381	680.	0.00202
242.	0.03716	682.	0.00148
244.	0.03519	684.	-0.00276
246.	0.03046	686.	0.00323
248.	0.03714	688.	0.00308
250.	0.03174	690.	0.00412
252.	0.03227	692.	0.00174
254.	0.03284	694.	0.00023
256.	0.03606	696.	-0.00094
258.	0.03059	698.	-0.00085
260.	0.02914	700.	0.00085
262.	0.02993	702.	0.0033
264.	0.02888	704.	0.00197
266.	0.03219	706.	0.00363
268.	0.02654	708.	-0.00019
270.	0.02552	710.	-0.00081
272.	0.03038	712.	0.00574
274.	0.029	714.	0.00285
276.	0.02748	716.	0.00284
278.	0.02398	718.	0.00019
280.	0.02719	720.	-0.00279
282.	0.02425	722.	-0.00231
284.	0.02641	724.	0.
286.	0.02192	726.	-0.00015
288.	0.02401	728.	-0.00046
290.	0.02289	730.	0.00224
292.	0.0227	732.	0.00725
294.	0.0246	734.	0.00214
296.	0.01712	736.	-0.00084
298.	0.01983	738.	-0.00307
300.	0.01728	740.	0.00105
302.	0.01977	742.	0.00607
304.	0.01935	744.	-0.00061
306.	0.01967	746.	0.00436
308.	0.01691	748.	0.00272
310.	0.01765	750.	0.00393
312.	0.01768	752.	0.00461
314.	0.01908	754.	0.00664
316.	0.01788	756.	0.00075
318.	0.01566	758.	0.00258
320.	0.02237	760.	0.00067

Time (sec)	Displacement (ft)	Time (sec)	Displacement (ft)
322.	0.01769	762.	-0.00292
324.	0.01805	764.	0.00179
326.	0.01436	766.	0.00219
328.	0.01631	768.	0.00145
330.	0.01553	770.	-8.0E-5
332.	0.01711	772.	0.00101
334.	0.02026	774.	0.0054
336.	0.01658	776.	-0.00142
338.	0.01353	778.	0.00456
340.	0.01481	780.	-0.00161
342.	0.01285	782.	0.0057
344.	0.01414	784.	0.00403
346.	0.01209	786.	0.00014
348.	0.01504	788.	0.0012
350.	0.0117	790.	0.00033
352.	0.01328	792.	0.00144
354.	0.01514	794.	-0.00151
356.	0.01395	796.	0.00184
358.	0.0139	798.	-0.00055
360.	0.00943	800.	0.00132
362.	0.01256	802.	0.0021
364.	0.0121	804.	0.00234
366.	0.01488	806.	0.00119
368.	0.01087	808.	0.00075
370.	0.00758	810.	0.00236
372.	0.0157	812.	0.00694
374.	0.00586	814.	0.0076
376.	0.01327	816.	0.00574
378.	0.01021	818.	0.00686
380.	0.01304	820.	0.00715
382.	0.01332	822.	0.00474
384.	0.01375	824.	0.00088
386.	0.01378	826.	0.00072
388.	0.00914	828.	0.00594
390.	0.00958	830.	0.00796
392.	0.00888	832.	0.00345
394.	0.01115	834.	0.00882
396.	0.01165	836.	0.01942
398.	0.00924	838.	0.00167
400.	0.00951	840.	0.00071
402.	0.00798	842.	0.00071
404.	0.00921	844.	0.00081
406.	0.00314	846.	-0.00044
408.	0.00849	848.	0.00039
410.	0.01	850.	0.00148
412.	0.00795	852.	0.00212
414.	0.01099	854.	0.00571
416.	0.00702	856.	0.00399
418.	0.0093	858.	-0.00105
420.	0.01279	860.	-0.00093
422.	0.00483	862.	0.00508
424.	0.00887	864.	0.00115
426.	0.00659	866.	0.00358
428.	0.00525	868.	0.00311
430.	0.00518	870.	0.00223
432.	0.00773	872.	0.00164
434.	0.00979	874.	0.00318
436.	0.00405	876.	0.03292
438.	0.00912		

SOLUTION

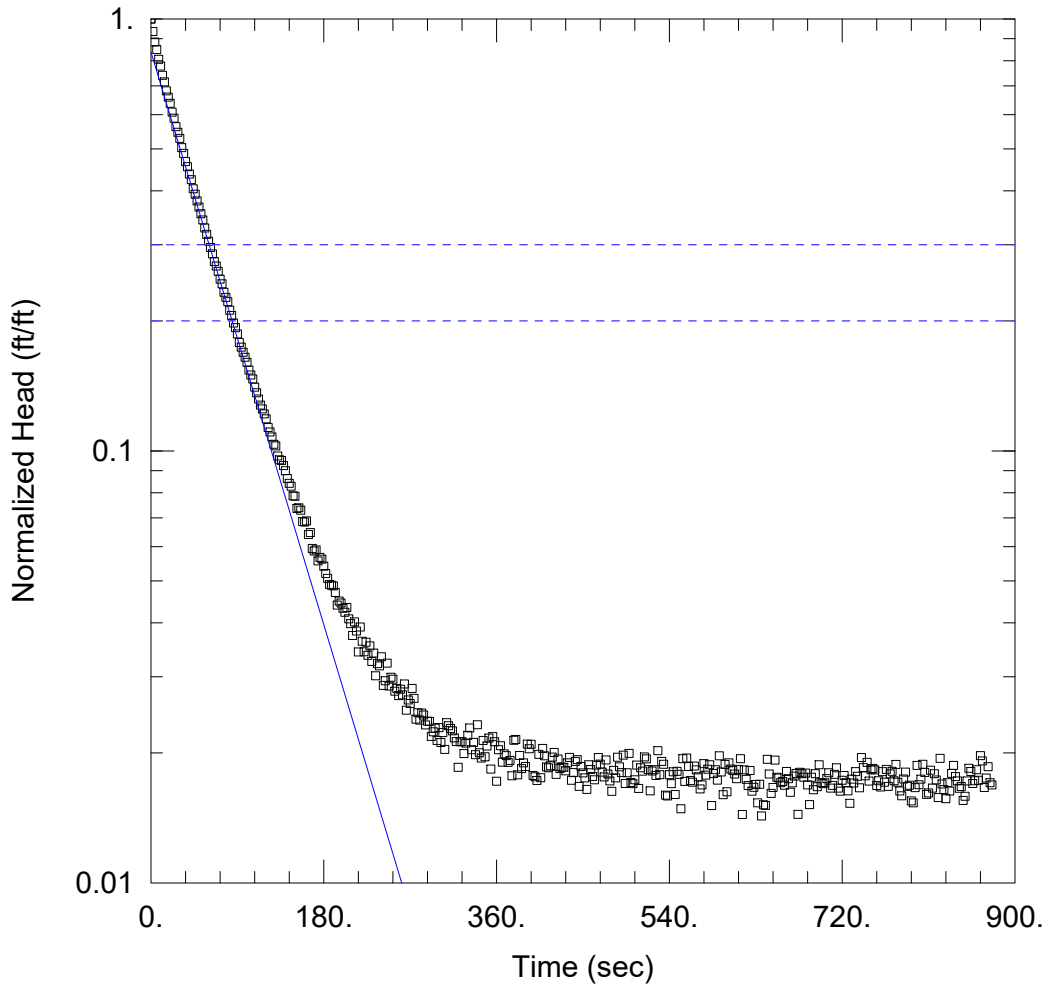
Slug Test
 Aquifer Model: Unconfined
 Solution Method: Bouwer-Rice
 ln(Re/rw): 2.937

VISUAL ESTIMATION RESULTSEstimated Parameters

<u>Parameter</u>	<u>Estimate</u>	
K	0.5959	ft/day
y0	1.149	ft

K = 0.0002102 cm/sec

T = K*b = 44.24 ft²/day (0.4757 sq. cm/sec)



GW105D_RHT

Data Set: V:\Projects\ANY\K4\33525\Data\Other\Slug Tests\GW105D_RHT\GW105D_RHT.aqt
 Date: 05/10/18 Time: 11:45:04

PROJECT INFORMATION

Company: CHA
 Client: Ranalli/Taylor St., LLC
 Project: 33525
 Location: Syracuse, NY
 Test Well: GW105D
 Test Date: 5/4/2018

AQUIFER DATA

Saturated Thickness: 74.25 ft Anisotropy Ratio (Kz/Kr): 1.

WELL DATA (GW105D)

Initial Displacement: 1.952 ft Static Water Column Height: 21.25 ft
 Total Well Penetration Depth: 21.25 ft Screen Length: 10. ft
 Casing Radius: 0.083 ft Well Radius: 0.177 ft

SOLUTION

Aquifer Model: Unconfined Solution Method: Bower-Rice
 K = 0.628 ft/day y0 = 1.635 ft

Data Set: V:\Projects\ANY\K4\33525\Data\Other\Slug Tests\GW105D_RHT\GW105D_RHT.aqt
 Title: GW105D_RHT
 Date: 05/10/18
 Time: 11:45:16

PROJECT INFORMATION

Company: CHA
 Client: Ranalli/Taylor St., LLC
 Project: 33525
 Location: Syracuse, NY
 Test Date: 5/4/2018
 Test Well: GW105D

AQUIFER DATA

Saturated Thickness: 74.25 ft
 Anisotropy Ratio (Kz/Kr): 1.

SLUG TEST WELL DATA

Test Well: GW105D

X Location: 0. ft
 Y Location: 0. ft

Initial Displacement: 1.952 ft
 Static Water Column Height: 21.25 ft
 Casing Radius: 0.083 ft
 Well Radius: 0.177 ft
 Well Skin Radius: 0.354 ft
 Screen Length: 10. ft
 Total Well Penetration Depth: 21.25 ft

No. of Observations: 439

Time (sec)	Observation Data		Displacement (ft)
	Displacement (ft)	Time (sec)	
0.	1.952	440.	0.03515
2.	1.826	442.	0.03731
4.	1.725	444.	0.03766
6.	1.657	446.	0.03266
8.	1.573	448.	0.03632
10.	1.519	450.	0.0351
12.	1.445	452.	0.03416
14.	1.396	454.	0.03213
16.	1.331	456.	0.03665
18.	1.287	458.	0.03573
20.	1.244	460.	0.03445
22.	1.188	462.	0.03382
24.	1.15	464.	0.03657
26.	1.099	466.	0.03808
28.	1.066	468.	0.03676
30.	1.033	470.	0.03525
32.	0.983	472.	0.03434
34.	0.9536	474.	0.03761
36.	0.913	476.	0.03487
38.	0.8881	478.	0.03362
40.	0.8542	480.	0.0318
42.	0.8286	482.	0.03558
44.	0.7896	484.	0.03416
46.	0.7672	486.	0.03815
48.	0.7402	488.	0.03625
50.	0.7162	490.	0.03514
52.	0.6911	492.	0.03858
54.	0.6685	494.	0.03318
56.	0.6408	496.	0.03512

Time (sec)	Displacement (ft)	Time (sec)	Displacement (ft)
58.	0.6192	498.	0.03892
60.	0.5971	500.	0.03335
62.	0.5775	502.	0.03314
64.	0.5579	504.	0.03383
66.	0.5354	506.	0.0366
68.	0.5231	508.	0.03229
70.	0.5085	510.	0.03605
72.	0.4876	512.	0.03542
74.	0.4758	514.	0.03821
76.	0.4547	516.	0.03783
78.	0.4426	518.	0.03573
80.	0.4324	520.	0.0319
82.	0.4133	522.	0.03545
84.	0.402	524.	0.03569
86.	0.3861	526.	0.0346
88.	0.3765	528.	0.0395
90.	0.3644	530.	0.03477
92.	0.3478	532.	0.03731
94.	0.3393	534.	0.03675
96.	0.3303	536.	0.03117
98.	0.3215	538.	0.03102
100.	0.313	540.	0.03477
102.	0.3003	542.	0.03315
104.	0.2927	544.	0.03529
106.	0.2864	546.	0.03127
108.	0.2741	548.	0.03538
110.	0.2661	550.	0.03483
112.	0.2575	552.	0.02899
114.	0.2492	554.	0.03786
116.	0.2441	556.	0.03355
118.	0.2378	558.	0.03798
120.	0.2316	560.	0.03632
122.	0.2211	562.	0.03369
124.	0.2161	564.	0.03339
126.	0.2103	566.	0.03639
128.	0.2022	568.	0.03567
130.	0.2005	570.	0.03437
132.	0.1901	572.	0.03222
134.	0.1862	574.	0.0329
136.	0.1856	576.	0.03686
138.	0.1805	578.	0.03466
140.	0.1758	580.	0.03577
142.	0.1685	582.	0.03664
144.	0.1642	584.	0.02948
146.	0.1617	586.	0.03497
148.	0.1536	588.	0.03568
150.	0.1533	590.	0.03378
152.	0.1437	592.	0.03843
154.	0.1442	594.	0.03527
156.	0.1423	596.	0.03124
158.	0.134	598.	0.0367
160.	0.1336	600.	0.03174
162.	0.1344	602.	0.03701
164.	0.1251	604.	0.0358
166.	0.1263	606.	0.03557
168.	0.1161	608.	0.03487
170.	0.1145	610.	0.03403
172.	0.1152	612.	0.03575
174.	0.1087	614.	0.03787
176.	0.1107	616.	0.02811
178.	0.1097	618.	0.03566
180.	0.1056	620.	0.03392
182.	0.1015	622.	0.0328
184.	0.099	624.	0.03555
186.	0.09581	626.	0.03185
188.	0.09542	628.	0.0325

<u>Time (sec)</u>	<u>Displacement (ft)</u>	<u>Time (sec)</u>	<u>Displacement (ft)</u>
190.	0.09508	630.	0.03299
192.	0.09182	632.	0.02992
194.	0.08586	634.	0.03303
196.	0.08766	636.	0.0279
198.	0.08681	638.	0.0296
200.	0.08439	640.	0.02951
202.	0.08263	642.	0.03771
204.	0.08476	644.	0.03489
206.	0.07975	646.	0.03147
208.	0.07773	648.	0.03247
210.	0.073	650.	0.03757
212.	0.07848	652.	0.03429
214.	0.07477	654.	0.03414
216.	0.06685	656.	0.03332
218.	0.07636	658.	0.03355
220.	0.07078	660.	0.03286
222.	0.06692	662.	0.03535
224.	0.07042	664.	0.03403
226.	0.06566	666.	0.03164
228.	0.06907	668.	0.03328
230.	0.06356	670.	0.0345
232.	0.06644	672.	0.03499
234.	0.05888	674.	0.02814
236.	0.06283	676.	0.03522
238.	0.06206	678.	0.03494
240.	0.06518	680.	0.03429
242.	0.05592	682.	0.03505
244.	0.05733	684.	0.03292
246.	0.06298	686.	0.02963
248.	0.05575	688.	0.03428
250.	0.05845	690.	0.03208
252.	0.05784	692.	0.03493
254.	0.05425	694.	0.03262
256.	0.05503	696.	0.03666
258.	0.05298	698.	0.03332
260.	0.05479	700.	0.03313
262.	0.0532	702.	0.03327
264.	0.05637	704.	0.03403
266.	0.04902	706.	0.03512
268.	0.05178	708.	0.03235
270.	0.05079	710.	0.03282
272.	0.05503	712.	0.03481
274.	0.0522	714.	0.03605
276.	0.04673	716.	0.03235
278.	0.04835	718.	0.03184
280.	0.04651	720.	0.03375
282.	0.04827	722.	0.03461
284.	0.04779	724.	0.03331
286.	0.0453	726.	0.03188
288.	0.04621	728.	0.02984
290.	0.04616	730.	0.03395
292.	0.04263	732.	0.03326
294.	0.04367	734.	0.03532
296.	0.04457	736.	0.03447
298.	0.04173	738.	0.03242
300.	0.04465	740.	0.03808
302.	0.04127	742.	0.03609
304.	0.04349	744.	0.03455
306.	0.03979	746.	0.03712
308.	0.04586	748.	0.0336
310.	0.04511	750.	0.03569
312.	0.04447	752.	0.03594
314.	0.0439	754.	0.03566
316.	0.04231	756.	0.03281
318.	0.04146	758.	0.03366
320.	0.03615	760.	0.03255

Time (sec)	Displacement (ft)	Time (sec)	Displacement (ft)
322.	0.04145	762.	0.03534
324.	0.04144	764.	0.03339
326.	0.03889	766.	0.03574
328.	0.04113	768.	0.03267
330.	0.04286	770.	0.03491
332.	0.04458	772.	0.03539
334.	0.0397	774.	0.03366
336.	0.04129	776.	0.03671
338.	0.03866	778.	0.0334
340.	0.04534	780.	0.03186
342.	0.03906	782.	0.03105
344.	0.03798	784.	0.03397
346.	0.04173	786.	0.03524
348.	0.03824	788.	0.03267
350.	0.04048	790.	0.03286
352.	0.04227	792.	0.03022
354.	0.03581	794.	0.02991
356.	0.04257	796.	0.03243
358.	0.04145	798.	0.03651
360.	0.03357	800.	0.03295
362.	0.03969	802.	0.03395
364.	0.04057	804.	0.03673
366.	0.03715	806.	0.03517
368.	0.03885	808.	0.0313
370.	0.03846	810.	0.03153
372.	0.03711	812.	0.03561
374.	0.0375	814.	0.03235
376.	0.03456	816.	0.03495
378.	0.04177	818.	0.0338
380.	0.04192	820.	0.03077
382.	0.03473	822.	0.03793
384.	0.03852	824.	0.03308
386.	0.03591	826.	0.03212
388.	0.03701	828.	0.03058
390.	0.03629	830.	0.03332
392.	0.04091	832.	0.03186
394.	0.0399	834.	0.03499
396.	0.04086	836.	0.03651
398.	0.03461	838.	0.03442
400.	0.03438	840.	0.03361
402.	0.03371	842.	0.03234
404.	0.03872	844.	0.03264
406.	0.03421	846.	0.03029
408.	0.03999	848.	0.03099
410.	0.03844	850.	0.03363
412.	0.0362	852.	0.03597
414.	0.03606	854.	0.03537
416.	0.03645	856.	0.03318
418.	0.03818	858.	0.03364
420.	0.03915	860.	0.03568
422.	0.03483	862.	0.03373
424.	0.03778	864.	0.03848
426.	0.03591	866.	0.03741
428.	0.03616	868.	0.03247
430.	0.03616	870.	0.03415
432.	0.03549	872.	0.03627
434.	0.03701	874.	0.0333
436.	0.0381	876.	0.03292
438.	0.03375		

SOLUTION

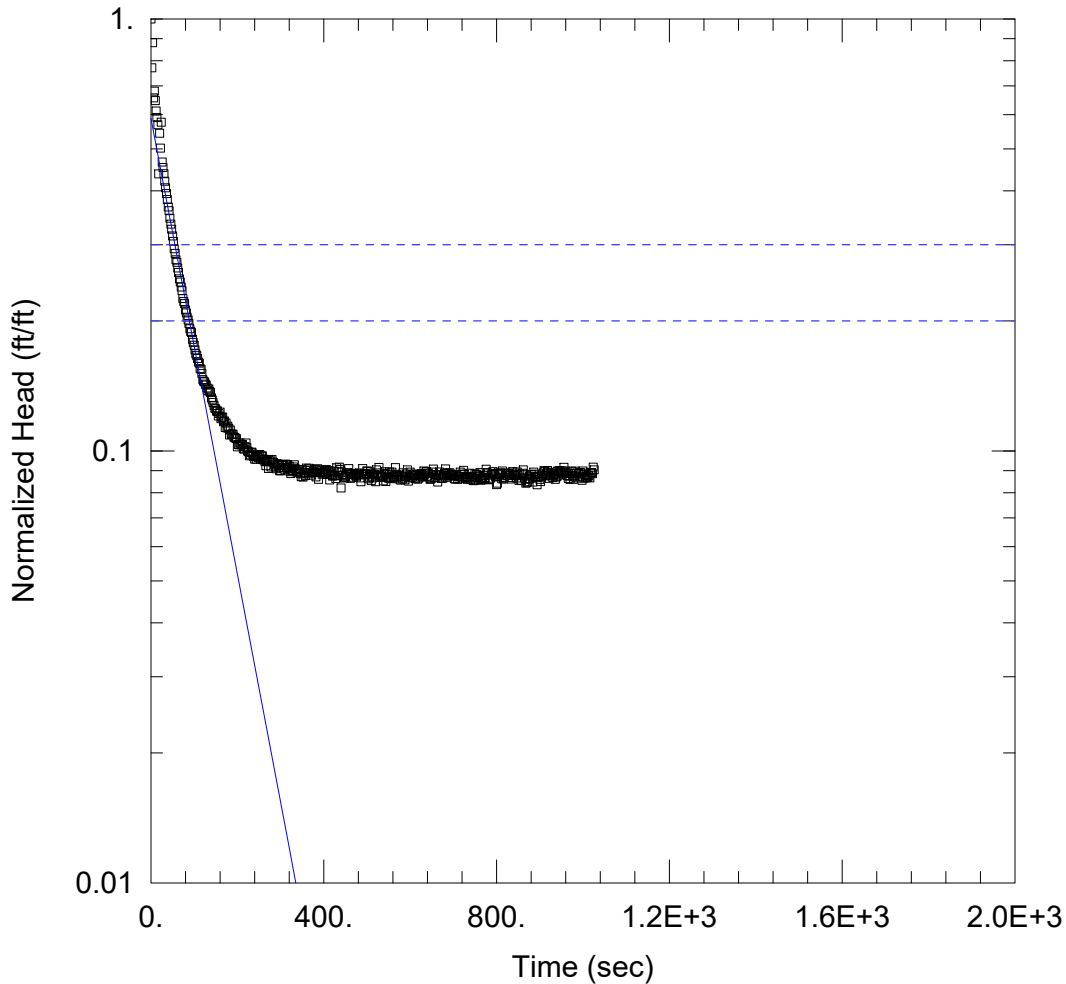
Slug Test
 Aquifer Model: Unconfined
 Solution Method: Bouwer-Rice
 ln(Re/rw): 2.937

VISUAL ESTIMATION RESULTSEstimated Parameters

<u>Parameter</u>	<u>Estimate</u>	
K	0.628	ft/day
y0	1.635	ft

K = 0.0002215 cm/sec

T = K*b = 46.63 ft²/day (0.5014 sq. cm/sec)



GW105S_FHT

Data Set: V:\Projects\ANY\K4\33525\Data\Other\Slug Tests\GW105S_FHT\GW105S_FHT.aqt
 Date: 05/10/18 Time: 11:40:11

PROJECT INFORMATION

Company: CHA
 Client: Ranalli/Taylor St., LLC
 Project: 33525
 Location: Syracuse, NY
 Test Well: GW105S
 Test Date: 5/4/2018

AQUIFER DATA

Saturated Thickness: 75.07 ft Anisotropy Ratio (Kz/Kr): 1.

WELL DATA (GW105S)

Initial Displacement: 1.71 ft Static Water Column Height: 10.07 ft
 Total Well Penetration Depth: 10.07 ft Screen Length: 10. ft
 Casing Radius: 0.083 ft Well Radius: 0.177 ft

SOLUTION

Aquifer Model: Unconfined Solution Method: Bouwer-Rice
 K = 0.398 ft/day y0 = 1.005 ft

Data Set: V:\Projects\ANY\K4\33525\Data\Other\Slug Tests\GW105S_FHT\GW105S_FHT.aqt
 Title: GW105S_FHT
 Date: 05/10/18
 Time: 11:40:23

PROJECT INFORMATION

Company: CHA
 Client: Ranalli/Taylor St., LLC
 Project: 33525
 Location: Syracuse, NY
 Test Date: 5/4/2018
 Test Well: GW105S

AQUIFER DATA

Saturated Thickness: 75.07 ft
 Anisotropy Ratio (Kz/Kr): 1.

SLUG TEST WELL DATA

Test Well: GW105S

X Location: 0. ft
 Y Location: 0. ft

Initial Displacement: 1.71 ft
 Static Water Column Height: 10.07 ft
 Casing Radius: 0.083 ft
 Well Radius: 0.177 ft
 Well Skin Radius: 0.354 ft
 Screen Length: 10. ft
 Total Well Penetration Depth: 10.07 ft

No. of Observations: 514

Time (sec)	Observation Data		Displacement (ft)
	Displacement (ft)	Time (sec)	
0.	1.714	514.	0.1481
2.	1.317	516.	0.1508
4.	1.506	518.	0.1509
6.	1.123	520.	0.1451
8.	1.163	522.	0.1545
10.	1.106	524.	0.152
12.	1.047	526.	0.1504
14.	1.011	528.	0.1565
16.	0.9728	530.	0.1498
18.	0.7487	532.	0.1495
20.	0.9296	534.	0.1484
22.	0.8585	536.	0.1489
24.	0.9859	538.	0.1457
26.	0.7969	540.	0.1515
28.	0.7744	542.	0.153
30.	0.7493	544.	0.1452
32.	0.7197	546.	0.1506
34.	0.6947	548.	0.1486
36.	0.6739	550.	0.1478
38.	0.6528	552.	0.1529
40.	0.6274	554.	0.1474
42.	0.615	556.	0.1511
44.	0.5911	558.	0.1526
46.	0.5726	560.	0.148
48.	0.557	562.	0.1489
50.	0.5376	564.	0.1489
52.	0.5223	566.	0.1564
54.	0.5022	568.	0.1509
56.	0.4901	570.	0.1485

Time (sec)	Displacement (ft)	Time (sec)	Displacement (ft)
58.	0.4733	572.	0.1504
60.	0.4671	574.	0.1472
62.	0.4533	576.	0.1489
64.	0.4426	578.	0.1463
66.	0.4277	580.	0.1495
68.	0.4206	582.	0.1472
70.	0.4096	584.	0.1522
72.	0.4016	586.	0.1494
74.	0.3852	588.	0.1466
76.	0.3791	590.	0.1492
78.	0.3749	592.	0.1512
80.	0.3622	594.	0.1545
82.	0.3567	596.	0.1456
84.	0.3485	598.	0.1481
86.	0.3436	600.	0.1527
88.	0.3371	602.	0.1486
90.	0.3279	604.	0.1497
92.	0.323	606.	0.1509
94.	0.3212	608.	0.15
96.	0.31	610.	0.1501
98.	0.3049	612.	0.1474
100.	0.3002	614.	0.1512
102.	0.2929	616.	0.1507
104.	0.287	618.	0.1471
106.	0.284	620.	0.148
108.	0.2797	622.	0.1506
110.	0.2746	624.	0.1489
112.	0.2729	626.	0.1515
114.	0.2651	628.	0.149
116.	0.2639	630.	0.1499
118.	0.2585	632.	0.1536
120.	0.25	634.	0.1511
122.	0.2478	636.	0.1518
124.	0.2471	638.	0.1532
126.	0.2441	640.	0.1493
128.	0.2429	642.	0.1517
130.	0.2392	644.	0.1487
132.	0.2356	646.	0.147
134.	0.2379	648.	0.1474
136.	0.2348	650.	0.1479
138.	0.2333	652.	0.1527
140.	0.2269	654.	0.1551
142.	0.2244	656.	0.1483
144.	0.2213	658.	0.1506
146.	0.2179	660.	0.1506
148.	0.2147	662.	0.1504
150.	0.2139	664.	0.1449
152.	0.2112	666.	0.1507
154.	0.2117	668.	0.1528
156.	0.206	670.	0.1496
158.	0.2085	672.	0.1477
160.	0.2103	674.	0.148
162.	0.2029	676.	0.1478
164.	0.2046	678.	0.1497
166.	0.2048	680.	0.1519
168.	0.1998	682.	0.1553
170.	0.2006	684.	0.1513
172.	0.1937	686.	0.1486
174.	0.1984	688.	0.1519
176.	0.1932	690.	0.1501
178.	0.1951	692.	0.1521
180.	0.1929	694.	0.1498
182.	0.1861	696.	0.1509
184.	0.1911	698.	0.1494
186.	0.1866	700.	0.1501
188.	0.187	702.	0.1474

Time (sec)	Displacement (ft)	Time (sec)	Displacement (ft)
190.	0.1869	704.	0.1472
192.	0.1841	706.	0.1505
194.	0.1836	708.	0.15
196.	0.1829	710.	0.1469
198.	0.1824	712.	0.149
200.	0.1746	714.	0.149
202.	0.177	716.	0.1527
204.	0.1766	718.	0.1492
206.	0.1784	720.	0.1511
208.	0.1768	722.	0.1478
210.	0.1765	724.	0.1541
212.	0.1768	726.	0.1508
214.	0.1729	728.	0.1479
216.	0.1727	730.	0.1487
218.	0.1749	732.	0.1469
220.	0.1783	734.	0.1485
222.	0.174	736.	0.1492
224.	0.1708	738.	0.1517
226.	0.1702	740.	0.1469
228.	0.1665	742.	0.1489
230.	0.1675	744.	0.1482
232.	0.1692	746.	0.1459
234.	0.1699	748.	0.1459
236.	0.168	750.	0.1514
238.	0.1658	752.	0.1471
240.	0.1636	754.	0.1508
242.	0.1661	756.	0.1481
244.	0.1636	758.	0.1497
246.	0.1665	760.	0.1493
248.	0.1652	762.	0.1523
250.	0.1671	764.	0.1462
252.	0.1677	766.	0.1477
254.	0.1636	768.	0.1468
256.	0.1662	770.	0.1498
258.	0.1666	772.	0.1483
260.	0.1631	774.	0.1474
262.	0.1636	776.	0.155
264.	0.1615	778.	0.1523
266.	0.158	780.	0.1513
268.	0.1621	782.	0.1465
270.	0.1613	784.	0.1469
272.	0.1557	786.	0.1478
274.	0.1623	788.	0.1502
276.	0.1633	790.	0.1515
278.	0.1569	792.	0.1531
280.	0.1633	794.	0.1514
282.	0.1611	796.	0.1508
284.	0.1608	798.	0.1488
286.	0.1586	800.	0.1428
288.	0.1569	802.	0.1439
290.	0.1555	804.	0.1521
292.	0.1598	806.	0.1507
294.	0.1584	808.	0.1514
296.	0.159	810.	0.1519
298.	0.1538	812.	0.1474
300.	0.1537	814.	0.1536
302.	0.1561	816.	0.1471
304.	0.1584	818.	0.1484
306.	0.1565	820.	0.1497
308.	0.1583	822.	0.1521
310.	0.1545	824.	0.1503
312.	0.1594	826.	0.1499
314.	0.1565	828.	0.1516
316.	0.1589	830.	0.15
318.	0.1555	832.	0.1484
320.	0.1576	834.	0.1471

Time (sec)	Displacement (ft)	Time (sec)	Displacement (ft)
322.	0.153	836.	0.1519
324.	0.1515	838.	0.153
326.	0.1541	840.	0.1507
328.	0.1544	842.	0.1497
330.	0.1569	844.	0.1502
332.	0.1588	846.	0.1479
334.	0.1555	848.	0.1528
336.	0.1548	850.	0.1499
338.	0.1526	852.	0.1461
340.	0.1548	854.	0.1511
342.	0.1533	856.	0.1462
344.	0.1547	858.	0.146
346.	0.1515	860.	0.1517
348.	0.1491	862.	0.1546
350.	0.1549	864.	0.1506
352.	0.1487	866.	0.1473
354.	0.1513	868.	0.144
356.	0.1524	870.	0.1444
358.	0.1499	872.	0.1451
360.	0.156	874.	0.1471
362.	0.1541	876.	0.1494
364.	0.1524	878.	0.1474
366.	0.1558	880.	0.1506
368.	0.1544	882.	0.1508
370.	0.1517	884.	0.1448
372.	0.1502	886.	0.1527
374.	0.1524	888.	0.151
376.	0.1532	890.	0.1489
378.	0.1531	892.	0.1486
380.	0.1549	894.	0.1427
382.	0.1489	896.	0.1492
384.	0.1543	898.	0.1487
386.	0.1554	900.	0.1469
388.	0.147	902.	0.1452
390.	0.1546	904.	0.1489
392.	0.1524	906.	0.1502
394.	0.1524	908.	0.1519
396.	0.1511	910.	0.1539
398.	0.1519	912.	0.153
400.	0.152	914.	0.1501
402.	0.1533	916.	0.1511
404.	0.152	918.	0.154
406.	0.1547	920.	0.1527
408.	0.1508	922.	0.1477
410.	0.1528	924.	0.1496
412.	0.1541	926.	0.152
414.	0.1465	928.	0.1502
416.	0.152	930.	0.1484
418.	0.1509	932.	0.1502
420.	0.1494	934.	0.1513
422.	0.1498	936.	0.1469
424.	0.1534	938.	0.1487
426.	0.1499	940.	0.1494
428.	0.1475	942.	0.1535
430.	0.1562	944.	0.1504
432.	0.1499	946.	0.154
434.	0.153	948.	0.1528
436.	0.1568	950.	0.1523
438.	0.1548	952.	0.1536
440.	0.1403	954.	0.1514
442.	0.1526	956.	0.1566
444.	0.1498	958.	0.1524
446.	0.1482	960.	0.1535
448.	0.1481	962.	0.1516
450.	0.149	964.	0.1498
452.	0.1508	966.	0.1476

<u>Time (sec)</u>	<u>Displacement (ft)</u>	<u>Time (sec)</u>	<u>Displacement (ft)</u>
454.	0.1506	968.	0.1495
456.	0.1523	970.	0.147
458.	0.1555	972.	0.1518
460.	0.1514	974.	0.1535
462.	0.1477	976.	0.1499
464.	0.1509	978.	0.1469
466.	0.1508	980.	0.1488
468.	0.1486	982.	0.1535
470.	0.1515	984.	0.1515
472.	0.1505	986.	0.1519
474.	0.1501	988.	0.1481
476.	0.1489	990.	0.1517
478.	0.151	992.	0.1493
480.	0.1504	994.	0.1523
482.	0.152	996.	0.152
484.	0.1481	998.	0.1462
486.	0.1451	1000.	0.1536
488.	0.1509	1002.	0.1479
490.	0.1555	1004.	0.1509
492.	0.1505	1006.	0.148
494.	0.1515	1008.	0.149
496.	0.1507	1010.	0.1483
498.	0.1515	1012.	0.15
500.	0.1536	1014.	0.1495
502.	0.1533	1016.	0.1481
504.	0.1473	1018.	0.1523
506.	0.1486	1020.	0.1523
508.	0.153	1022.	0.1514
510.	0.1459	1024.	0.1568
512.	0.1494	1026.	0.1546

SOLUTION

Slug Test

Aquifer Model: Unconfined

Solution Method: Bouwer-Rice

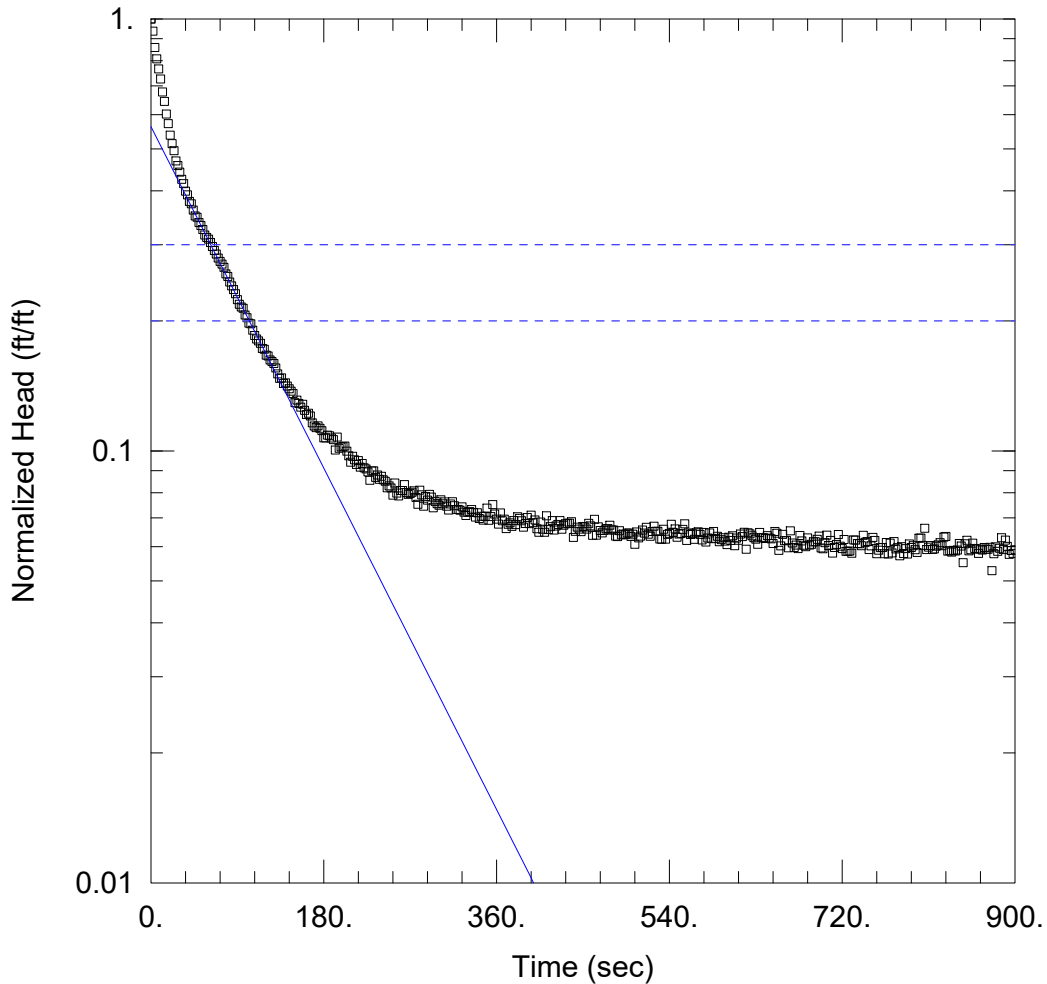
ln(Re/rw): 2.598

VISUAL ESTIMATION RESULTSEstimated Parameters

<u>Parameter</u>	<u>Estimate</u>	
K	0.398	ft/day
y0	1.005	ft

K = 0.0001404 cm/sec

T = K*b = 29.88 ft²/day (0.3213 sq. cm/sec)



GW105S_RHT

Data Set: V:\Projects\ANY\K4\33525\Data\Other\Slug Tests\GW105S_RHT\GW105S_RHT.aqt
 Date: 05/10/18 Time: 11:42:02

PROJECT INFORMATION

Company: CHA
 Client: Ranalli/Taylor St., LLC
 Project: 33525
 Location: Syracuse, NY
 Test Well: GW105S
 Test Date: 5/4/2018

AQUIFER DATA

Saturated Thickness: 75.21 ft Anisotropy Ratio (Kz/Kr): 1.

WELL DATA (GW105S)

Initial Displacement: 1.718 ft Static Water Column Height: 10.21 ft
 Total Well Penetration Depth: 10.21 ft Screen Length: 10. ft
 Casing Radius: 0.083 ft Well Radius: 0.177 ft

SOLUTION

Aquifer Model: Unconfined Solution Method: Bower-Rice
 K = 0.3322 ft/day y0 = 0.9674 ft

Data Set: V:\Projects\ANY\K4\33525\Data\Other\Slug Tests\GW105S_RHT\GW105S_RHT.aqt
 Title: GW105S_RHT
 Date: 05/10/18
 Time: 11:42:17

PROJECT INFORMATION

Company: CHA
 Client: Ranalli/Taylor St., LLC
 Project: 33525
 Location: Syracuse, NY
 Test Date: 5/4/2018
 Test Well: GW105S

AQUIFER DATA

Saturated Thickness: 75.21 ft
 Anisotropy Ratio (Kz/Kr): 1.

SLUG TEST WELL DATA

Test Well: GW105S

X Location: 0. ft
 Y Location: 0. ft

Initial Displacement: 1.718 ft
 Static Water Column Height: 10.21 ft
 Casing Radius: 0.083 ft
 Well Radius: 0.177 ft
 Well Skin Radius: 0.354 ft
 Screen Length: 10. ft
 Total Well Penetration Depth: 10.21 ft

No. of Observations: 451

Time (sec)	Observation Data		Displacement (ft)
	Displacement (ft)	Time (sec)	
0.	1.718	452.	0.1146
2.	1.61	454.	0.1132
4.	1.476	456.	0.1168
6.	1.389	458.	0.1153
8.	1.317	460.	0.1095
10.	1.247	462.	0.1194
12.	1.164	464.	0.1097
14.	1.107	466.	0.1146
16.	1.035	468.	0.1124
18.	0.9835	470.	0.111
20.	0.9245	472.	0.1125
22.	0.8836	474.	0.1134
24.	0.8511	476.	0.1135
26.	0.8063	478.	0.1156
28.	0.7865	480.	0.1128
30.	0.7591	482.	0.1127
32.	0.7306	484.	0.1091
34.	0.7138	486.	0.1088
36.	0.6858	488.	0.1123
38.	0.6727	490.	0.1098
40.	0.6493	492.	0.1103
42.	0.6412	494.	0.1099
44.	0.6201	496.	0.1109
46.	0.6009	498.	0.1109
48.	0.5968	500.	0.109
50.	0.5803	502.	0.1103
52.	0.5711	504.	0.1045
54.	0.5592	506.	0.1115
56.	0.5433	508.	0.1081

Time (sec)	Displacement (ft)	Time (sec)	Displacement (ft)
58.	0.5362	510.	0.1091
60.	0.5313	512.	0.1127
62.	0.5217	514.	0.1109
64.	0.5108	516.	0.1143
66.	0.5	518.	0.1102
68.	0.4905	520.	0.109
70.	0.4803	522.	0.1118
72.	0.4716	524.	0.1115
74.	0.4649	526.	0.1119
76.	0.457	528.	0.1119
78.	0.4413	530.	0.1074
80.	0.4354	532.	0.1073
82.	0.4226	534.	0.1131
84.	0.414	536.	0.1073
86.	0.4061	538.	0.1101
88.	0.3972	540.	0.1107
90.	0.3848	542.	0.1162
92.	0.3753	544.	0.1113
94.	0.37	546.	0.1134
96.	0.3674	548.	0.1085
98.	0.3547	550.	0.1103
100.	0.3494	552.	0.1107
102.	0.3394	554.	0.1131
104.	0.3383	556.	0.1165
106.	0.3269	558.	0.1066
108.	0.3178	560.	0.111
110.	0.3119	562.	0.11
112.	0.3087	564.	0.1105
114.	0.3048	566.	0.1073
116.	0.2968	568.	0.1111
118.	0.2955	570.	0.1117
120.	0.2861	572.	0.1101
122.	0.2849	574.	0.1069
124.	0.2789	576.	0.1113
126.	0.2766	578.	0.1057
128.	0.2739	580.	0.108
130.	0.2673	582.	0.111
132.	0.2591	584.	0.1076
134.	0.253	586.	0.1118
136.	0.2535	588.	0.1078
138.	0.2462	590.	0.109
140.	0.247	592.	0.1059
142.	0.2427	594.	0.1071
144.	0.2393	596.	0.1082
146.	0.2362	598.	0.1062
148.	0.2332	600.	0.1043
150.	0.2222	602.	0.1084
152.	0.2253	604.	0.1066
154.	0.2212	606.	0.1093
156.	0.2169	608.	0.1036
158.	0.2202	610.	0.108
160.	0.2133	612.	0.1067
162.	0.2086	614.	0.1103
164.	0.2101	616.	0.1088
166.	0.2071	618.	0.1114
168.	0.1996	620.	0.1017
170.	0.1961	622.	0.111
172.	0.1945	624.	0.1104
174.	0.1964	626.	0.1093
176.	0.1938	628.	0.1081
178.	0.1914	630.	0.1074
180.	0.1842	632.	0.1045
182.	0.1842	634.	0.1113
184.	0.1869	636.	0.1082
186.	0.1862	638.	0.1081
188.	0.1841	640.	0.1077

<u>Time (sec)</u>	<u>Displacement (ft)</u>	<u>Time (sec)</u>	<u>Displacement (ft)</u>
190.	0.1824	642.	0.1094
192.	0.1727	644.	0.108
194.	0.185	646.	0.1076
196.	0.1743	648.	0.1049
198.	0.1755	650.	0.1118
200.	0.1758	652.	0.1108
202.	0.1763	654.	0.1011
204.	0.1716	656.	0.1036
206.	0.1674	658.	0.1101
208.	0.1619	660.	0.1064
210.	0.167	662.	0.1066
212.	0.1638	664.	0.1025
214.	0.1598	666.	0.1123
216.	0.1632	668.	0.1052
218.	0.1575	670.	0.1027
220.	0.1607	672.	0.104
222.	0.1571	674.	0.102
224.	0.1561	676.	0.1095
226.	0.1536	678.	0.1063
228.	0.1469	680.	0.1039
230.	0.1543	682.	0.1031
232.	0.1545	684.	0.1081
234.	0.1492	686.	0.104
236.	0.1511	688.	0.1045
238.	0.1476	690.	0.1058
240.	0.15	692.	0.1059
242.	0.1473	694.	0.1072
244.	0.1462	696.	0.1091
246.	0.1412	698.	0.1025
248.	0.1426	700.	0.102
250.	0.141	702.	0.1053
252.	0.1357	704.	0.1096
254.	0.1448	706.	0.1038
256.	0.1373	708.	0.1066
258.	0.1351	710.	0.09971
260.	0.1391	712.	0.1027
262.	0.1392	714.	0.1043
264.	0.1435	716.	0.11
266.	0.1376	718.	0.1034
268.	0.1363	720.	0.1021
270.	0.1368	722.	0.1072
272.	0.1378	724.	0.1007
274.	0.1389	726.	0.1005
276.	0.1341	728.	0.1008
278.	0.1293	730.	0.09957
280.	0.1394	732.	0.1069
282.	0.136	734.	0.1068
284.	0.128	736.	0.1049
286.	0.1348	738.	0.1047
288.	0.1322	740.	0.1037
290.	0.1363	742.	0.1096
292.	0.1343	744.	0.1055
294.	0.1269	746.	0.106
296.	0.1313	748.	0.1016
298.	0.1298	750.	0.1035
300.	0.1286	752.	0.1084
302.	0.1324	754.	0.1066
304.	0.1296	756.	0.09936
306.	0.131	758.	0.1012
308.	0.1279	760.	0.1026
310.	0.1254	762.	0.1027
312.	0.1295	764.	0.0993
314.	0.131	766.	0.1055
316.	0.1283	768.	0.09919
318.	0.1257	770.	0.1051
320.	0.1258	772.	0.09974

Time (sec)	Displacement (ft)	Time (sec)	Displacement (ft)
322.	0.1253	774.	0.106
324.	0.1275	776.	0.1019
326.	0.124	778.	0.1026
328.	0.1218	780.	0.09823
330.	0.1239	782.	0.1031
332.	0.1243	784.	0.09942
334.	0.1257	786.	0.1021
336.	0.1238	788.	0.09915
338.	0.1208	790.	0.1047
340.	0.1236	792.	0.1027
342.	0.1198	794.	0.1037
344.	0.1212	796.	0.1015
346.	0.1188	798.	0.1
348.	0.1212	800.	0.1079
350.	0.1266	802.	0.108
352.	0.1187	804.	0.1038
354.	0.1211	806.	0.1138
356.	0.1291	808.	0.1016
358.	0.1227	810.	0.1029
360.	0.1194	812.	0.1037
362.	0.1163	814.	0.1016
364.	0.1234	816.	0.1019
366.	0.1184	818.	0.1034
368.	0.1194	820.	0.1041
370.	0.1136	822.	0.1053
372.	0.1162	824.	0.1036
374.	0.1171	826.	0.1086
376.	0.115	828.	0.1089
378.	0.1185	830.	0.1007
380.	0.116	832.	0.101
382.	0.121	834.	0.1002
384.	0.1199	836.	0.1011
386.	0.1185	838.	0.1008
388.	0.1145	840.	0.1013
390.	0.1167	842.	0.1049
392.	0.1205	844.	0.1035
394.	0.1166	846.	0.0947
396.	0.122	848.	0.1047
398.	0.1172	850.	0.1067
400.	0.1189	852.	0.1008
402.	0.1135	854.	0.1015
404.	0.1113	856.	0.1051
406.	0.1176	858.	0.1021
408.	0.1132	860.	0.1019
410.	0.1114	862.	0.09947
412.	0.1216	864.	0.1018
414.	0.113	866.	0.1013
416.	0.1148	868.	0.1027
418.	0.1185	870.	0.1017
420.	0.1127	872.	0.1017
422.	0.1151	874.	0.1028
424.	0.1161	876.	0.09073
426.	0.1185	878.	0.09932
428.	0.1131	880.	0.1031
430.	0.1156	882.	0.1006
432.	0.1165	884.	0.1023
434.	0.1168	886.	0.1082
436.	0.1169	888.	0.1015
438.	0.1178	890.	0.1068
440.	0.1083	892.	0.1033
442.	0.1119	894.	0.09897
444.	0.1144	896.	0.101
446.	0.1133	898.	0.09947
448.	0.1118	900.	0.1014
450.	0.1148		

SOLUTION

Slug Test
Aquifer Model: Unconfined
Solution Method: Bouwer-Rice
ln(Re/rw): 2.605

VISUAL ESTIMATION RESULTSEstimated Parameters

<u>Parameter</u>	<u>Estimate</u>	
K	0.3322	ft/day
y0	0.9674	ft

K = 0.0001172 cm/sec

T = K*b = 24.98 ft²/day (0.2686 sq. cm/sec)

APPENDIX F

Soil Vapor and Ambient Air Sampling Logs

Former Coyne Textile Facility
4-18-18

SUB-SLAB VAPOR/INDOOR AIR SAMPLING

Location = SVP 100 (parking lot across Cortland Ave)
Helium Tracer Gas = 3150
Start Time 0922 Start Pressure -30
End Time 1605 End Pressure -6
Tank # ~~570~~ 1240 Regulator # FC0434 0215

Location = SVP 101
Helium Tracer Gas = 9300
Start Time 0915 Start Pressure =29
End Time 1615 End Pressure -6
Tank # 570 Regulator # FC0434

Location = SVOA100
Helium Tracer Gas = NA
Start Time 0920 Start Pressure -27
End Time 1547 End Pressure -6
Tank # 940 Regulator # FC1104

Location = SV-IA105
Helium Tracer Gas = ~~NA~~ 7300
Start Time 1100 Start Pressure -30
End Time 1802 End Pressure -5.5
Tank # 1645 Regulator # FC1269



Former Coyne Textile Facility

4-15-18

Near floor vaults + drains

SUB-SLAB VAPOR/INDOOR AIR SAMPLING

Location = ~~SV-101~~SM SV-IA104

Helium Tracer Gas = ~~9300~~SM 11700 PPM

Start Time 1101

Start Pressure -27

End Time 1742

End Pressure -5.5

Tank # 2115

Regulator # FC0853

Made all attempts to seal w/ bentonite, tubing appeared in good shape

-AJM

Location = SV-IA103

Helium Tracer Gas = 1350

Start Time 1103

Start Pressure -29

End Time 1724

End Pressure -5

Tank # 671

Regulator # FC1011

Location = SV-IA102

Helium Tracer Gas = ~~750~~SM 1400

Start Time 1106

Start Pressure -27

End Time 1705
SM

End Pressure -5.5
SM

Tank # ~~571~~ 818

Regulator # ~~FC0449~~ FC0252

Location = SV-IA101

Helium Tracer Gas = 75

Start Time 1108

Start Pressure -30

End Time 1908

End Pressure -16

Tank # 2062

Regulator # FC0019



Former Coyne Textile Facility
4-15-18

SUB-SLAB VAPOR/INDOOR AIR SAMPLING

Location = 9V-IA100

Helium Tracer Gas = 1875ppm

Start Time 1109

Start Pressure -30

End Time 1816

End Pressure -5

Tank # 3399

Regulator # FC1090

Location = 5V-IAQ100

Helium Tracer Gas = NA

Start Time 1110

Start Pressure =28

End Time 1751

End Pressure -6

Tank # 571

Regulator # FC0449

Location = 5V-IAQ101

Helium Tracer Gas = NA

Start Time 1113

Start Pressure -28

End Time 1813

End Pressure -5

Tank # 2742

Regulator # FC0130

Location =

Helium Tracer Gas =

Start Time

Start Pressure

End Time

End Pressure

Tank #

Regulator #

APPENDIX G

Data Usability Summary Reports

Data Usability Summary Report

Vali-Data of WNY, LLC
1514 Davis Rd.
West Falls, NY 14170

Coyne Textile
Pace Analytical SDG#7047475
July 19, 2018
Reissued: August 10, 2018
Sampling date: 4/4/18

Prepared by:
Jodi Zimmerman
Vali-Data of WNY, LLC
1514 Davis Rd.
West Falls, NY 14170

Coyne Textile
SDG# 7047475

DELIVERABLES

This Data Usability Summary Report (DUSR) was prepared by evaluating the analytical data package (reissued; August 10, 2018) for CHA, project located at Coyne Textile, Pace Analytical (Pace), SDG#7047475, submitted to Vali-Data of WNY, LLC on June 26, 2018. This DUSR has been prepared in general compliance with NYSDEC Analytical Services Protocols and USEPA National Functional Guidelines. The laboratory performed the analyses using USEPA methods Volatile Organics (8260C), Semi-Volatile Organics (8270D), PCB (8082A), Inorganics (6010C) and Mercury (7471B).

VOLATILE ORGANIC COMPOUNDS

The following items/criteria were reviewed for this analytical suite:

- Data Completeness
- Narrative and Data Reporting Forms
- Chain of Custody and Traffic Reports
- Holding Times
- Internal Standard (IS) Area Performance
- Surrogate Spike Recoveries
- Method Blank
- Field Duplicate Sample Precision
- Laboratory Control Samples
- MS/MSD/Duplicate
- Compound Quantitation
- Initial Calibration
- Continuing Calibration
- GC/MS Performance Check

The items listed above were technically in compliance with the method and SOP criteria with the exceptions discussed in the text below. The data have been reviewed according to the procedures outlined above and qualified accordingly.

OVERALL EVALUATION OF DATA AND POTENTIAL USABILITY ISSUES

The data are acceptable for use except where qualified below in Surrogate Spike Recoveries, MS/MSD/Duplicate and Continuing Calibration.

DATA COMPLETENESS

All criteria were met.

NARRATIVE AND DATA REPORTING FORMS

All criteria were met.

CHAIN OF CUSTODY AND TRAFFIC REPORTS

All criteria were met.

HOLDING TIMES

All holding times were met.

INTERNAL STANDARD (IS)

All criteria were met.

SURROGATE SPIKE RECOVERIES

All criteria were met except the %Rec of 4-Bromofluorobenzene was outside ASP QC limits, high in SOIL-119 and SOIL-119DUP. Associated target analytes detected in these samples should be qualified as estimated high.

METHOD BLANK

All the criteria were met.

FIELD DUPLICATE SAMPLE PRECISION

No field duplicate was acquired.

LABORATORY CONTROL SAMPLES

All criteria were met.

MS/MSD/DUPLICATE

All criteria were met except the RPD of Acetone, Methylcyclohexane and Tetrachloroethene was outside QC limits between SOIL-119 and SOIL-119DUP. These target analytes should be qualified as estimated in SOIL-119 and SOIL-119DUP.

COMPOUND QUANTITATION

All criteria were met.

INITIAL CALIBRATION

All criteria were met.

Alternate forms of regression were performed on all target analytes whose %RSD >20%, with acceptable results.

CONTINUING CALIBRATION

All criteria were met except the %D of 2-Butanone in 10501207CCV and Dichlorodifluoromethane in 105011525CCV was outside ASP outer QC limits. These target analytes should be qualified as estimated in the associated blank, spikes and samples. The %D of Vinyl Chloride was outside QC limits in 10035790CCV. ASP allows for up to two target analytes to be outside QC limits without further action.

GC/MS PERFORMANCE CHECK

All criteria were met.

SEMIVOLATILE ORGANIC COMPOUNDS

The following items/criteria were reviewed for this analytical suite:

- Data Completeness
- Narrative and Data Reporting Forms
- Chain of Custody and Traffic Reports
- Holding Times
- Internal Standard (IS) Area Performance
- Surrogate Spike Recoveries
- Method Blank
- Field Duplicate Sample Precision
- Laboratory Control Samples
- MS/MSD/Duplicate
- Compound Quantitation
- Initial Calibration
- Continuing Calibration
- GC/MS Performance Check

The items listed above were technically in compliance with the method and SOP criteria with the exceptions discussed in the text below. The data have been reviewed according to the procedures outlined above and qualified accordingly.

OVERALL EVALUATION OF DATA AND POTENTIAL USABILITY ISSUES

The data are acceptable for use except where qualified below in Laboratory Control Samples and Continuing Calibration.

DATA COMPLETENESS

All criteria were met.

NARRATIVE AND DATA REPORTING FORMS

All criteria were met.

CHAIN OF CUSTODY AND TRAFFIC REPORTS

All criteria were met.

HOLDING TIMES

All holding times were met.

INTERNAL STANDARD (IS)

All criteria were met.

SURROGATE SPIKE RECOVERIES

All criteria were met.

METHOD BLANK

All the criteria were met.

FIELD DUPLICATE SAMPLE PRECISION

No field duplicate was acquired.

LABORATORY CONTROL SAMPLES

All criteria were met except the %Rec of Benzaldehyde and 4-Nitroaniline was outside QC limits, low in 287781LCS. These target analytes should be qualified as estimated in the associated samples.

MS/MSD/DUPLICATE

No MS/MSD/Duplicate was analyzed.

COMPOUND QUANTITATION

All criteria were met.

INITIAL CALIBRATION

All criteria were met.

Alternate forms of regression were performed on all target analytes whose %RSD >20%, with acceptable results.

CONTINUING CALIBRATION

All criteria were met except %D of Benzaldehyde and Hexachlorocyclopentadiene was outside ASP outer QC limits and should be qualified as estimated in the samples, blanks and spikes.

GC/MS PERFORMANCE CHECK

All criteria were met.

PCB

The following items/criteria were reviewed for this analytical suite:

- Data Completeness
- Narrative and Data Reporting Forms
- Chain of Custody and Traffic Reports
- Holding Times
- Surrogate Spike Recoveries
- Method Blank
- Field Duplicate Precision
- Laboratory Control Samples
- MS/MSD/Duplicate
- Compound Quantitation
- Initial Calibration
- Continuing Calibration

The items listed above were technically in compliance with the method and SOP criteria with the exceptions discussed in the text below. The data have been reviewed according to the procedures outlined above and qualified accordingly.

OVERALL EVALUATION OF DATA AND POTENTIAL USABILITY ISSUES

The data are acceptable for use except where qualified below in Laboratory Control Samples, Compound Quantitation, Initial Calibration and Continuing Calibration.

DATA COMPLETENESS

All criteria were met.

NARRATIVE AND DATA REPORTING FORMS

All criteria were met.

CHAIN OF CUSTODY AND TRAFFIC REPORTS

All criteria were met.

HOLDING TIMES

All holding times were met.

SURROGATE SPIKE RECOVERIES

All criteria were met.

METHOD BLANK

All the criteria were met.

FIELD DUPLICATE SAMPLE PRECISION

No field duplicate was acquired.

LABORATORY CONTROL SAMPLES

All criteria were met except the %D of Aroclor 1016 was outside QC limits between the columns in 290003LCS. This target analyte should be qualified as estimated in 209993LCS.

MS/MSD/DUPLICATE

MS/MSD/Duplicate was not analyzed.

COMPOUND QUANTITATION

All criteria were met except the %D of Aroclor 1260 was outside QC limits between the columns in SOIL-118. This target analyte should be qualified as estimated in SOIL-118.

INITIAL CALIBRATION

All criteria were met except single point calibration was used for Aroclor 1242. ASP requires 5-point calibration on all detected target analytes. Aroclor 1242 should be qualified as estimated in the samples if detected.

CONTINUING CALIBRATION

All criteria were met except the %D of TCMX was outside QC limits off column 2 in 10044537CCV, 10044534CCV, 10044547CCV, 10044564CCV, 10044566CCV, 10046546CCV and 10044565CCV. The %D of DCBP was outside QC limits off column 1 in 10045964CCV and off column 2 in 10045962CCV, 10045961CCV and 10046546CCV. The %D of Aroclor 1242 peaks 2-5 was outside QC limits off column 1 in 10045966CCV. The %D of Aroclor 1016 peaks 2-5 off column 1 in 10046550CCV. These target analytes should be qualified as estimated in the associated samples, blanks and spikes off the associated column.

The %D of several peaks in the target analytes were outside QC limits, but within ASP because ASP requires three peaks to be compliant.

METALS

The following items/criteria were reviewed for this analytical suite:

- Data Completeness
- Narrative and Data Reporting Forms
- Chain of Custody and Traffic Reports
- Holding Times
- Blanks
- Laboratory Control Sample
- MS/MSD/Duplicate
- Field Duplicate
- Serial Dilution

- Compound Quantitation
- Calibration

The items listed above were technically in compliance with the method and SOP criteria with the exceptions discussed in the text below. The data have been reviewed according to the procedures outlined above.

OVERALL EVALUATION OF DATA AND POTENTIAL USABILITY ISSUES

The data are acceptable for use except where qualified below in Blanks and Laboratory Control Samples.

DATA COMPLETENESS

All criteria were met.

NARRATIVE AND DATA REPORTING FORMS

All criteria were met except some detects in the samples were not recorded on the Form 1's. Refer to the 'Analytical Results' for the complete list of detects.

CHAIN OF CUSTODY AND TRAFFIC REPORTS

All criteria were met.

HOLDING TIMES

All holding times were met.

BLANKS

All criteria were met except Ca, Cr, Fe, Mn, K and Zn were detected above the MDL, below the reporting limit and are qualified as estimated in 287157BLANK. Ba, Pb, Tl and Zn were detected above the MDL, below the reporting limit and are qualified as estimated in ICB. Al, Ba, Be, Cd, Ca, Cr, Fe, Mn, Se and Zn were detected above the MDL, below the reporting limit and are qualified as estimated in CCB1. Ba, Cd, Ca, Cr, Fe, K, Se and Zn were detected above the MDL, below the reporting limit and are qualified as estimated in CCB2. Al, Ba, Ca, Cr, Fe, K and Zn were detected above the MDL, below the reporting limit and are qualified as estimated in CCB3. Ca was detected above the MDL, below the reporting limit and is qualified as estimated in CCV1 and CCB2. Hg was detected above the MDL, below the reporting limit and is qualified as estimated in the ICB and all CCB's. Associated samples in which these target analytes were detected above the MDL and below the reporting limit should be reported with the reporting limit and 'undetected'. Associated samples in which these target analytes were detected above the reporting limit should be qualified as estimated high.

Al was detected above the reporting limit in 287157BLANK. Associated samples in which this target analyte was detected above the reporting limit should be reported with the reporting limit and 'undetected'. Associated samples in which this target analyte was detected above the reporting limit but below the blank concentration should be reported with the blank concentration and 'undetected'. Associated samples in which this target analyte was detected above the blank concentration should be qualified as estimated high.

LABORATORY CONTROL SAMPLE

All criteria were met except the %Rec of Sb and Fe was outside ASP QC limits, low in 287158LCS and should be qualified as estimated in 287158LCS and the associated samples.

MS/MSD/DUPLICATE

No MS/MSD/Duplicate was analyzed.

FIELD DUPLICATE

No field duplicate was acquired.

SERIAL DILUTION

No serial dilution was performed.

COMPOUND QUANTITATION

All criteria were met.

CALIBRATION

All criteria were met.

Data Usability Summary Report

Vali-Data of WNY, LLC
1514 Davis Rd.
West Falls, NY 14170

Coyne Textile
Pace Analytical SDG#7047482
July 23, 2018
Reissued; August 20, 2018
Sampling date: 4/5/18

Prepared by:
Jodi Zimmerman
Vali-Data of WNY, LLC
1514 Davis Rd.
West Falls, NY 14170

Coyne Textile
SDG# 7047482

DELIVERABLES

This Data Usability Summary Report (DUSR) was prepared by evaluating the analytical data package (reissued; August 20, 2018) for CHA, project located at Coyne Textile, Pace Analytical (Pace), SDG#7047482, submitted to Vali-Data of WNY, LLC on June 26, 2018. This DUSR has been prepared in general compliance with NYSDEC Analytical Services Protocols and USEPA National Functional Guidelines. The laboratory performed the analyses using USEPA methods Volatile Organics (8260C), Semi-Volatile Organics (8270D), Pesticides (8081B), PCB (8082A), Inorganics (6010C) and Mercury (7471B).

VOLATILE ORGANIC COMPOUNDS

The following items/criteria were reviewed for this analytical suite:

- Data Completeness
- Narrative and Data Reporting Forms
- Chain of Custody and Traffic Reports
- Holding Times
- Internal Standard (IS) Area Performance
- Surrogate Spike Recoveries
- Method Blank
- Field Duplicate Sample Precision
- Laboratory Control Samples
- MS/MSD/Duplicate
- Compound Quantitation
- Initial Calibration
- Continuing Calibration
- GC/MS Performance Check

The items listed above were technically in compliance with the method and SOP criteria with the exceptions discussed in the text below. The data have been reviewed according to the procedures outlined above and qualified accordingly.

OVERALL EVALUATION OF DATA AND POTENTIAL USABILITY ISSUES

The data are acceptable for use except where qualified below in Surrogate Spike Recoveries, Laboratory Control Samples, MS/MSD/Duplicate and Continuing Calibration.

DATA COMPLETENESS

All criteria were met.

NARRATIVE AND DATA REPORTING FORMS

All criteria were met except the summary pages for the initial calibration performed on instrument 70MSV6 did not include all of the target analytes in the original package. Updated

pages are attached.

CHAIN OF CUSTODY AND TRAFFIC REPORTS

All criteria were met.

HOLDING TIMES

All holding times were met.

INTERNAL STANDARD (IS)

All criteria were met.

SURROGATE SPIKE RECOVERIES

All criteria were met except the %Rec of Toluene-d₈ was outside ASP QC limits, low in 291843LCS. Associated target analytes in 291843LCS should be qualified as estimated.

METHOD BLANK

All the criteria were met.

FIELD DUPLICATE SAMPLE PRECISION

All criteria were met except Methyl acetate, Cyclohexane, Benzene, Methylcyclohexane, Toluene, m&p-Xylene and 1,2,4-Trichlorobenzene were detected in SOIL-100 but not SOIL-100DUP. 2-Butanone was detected in SOIL-100DUP but not SOIL-100.

LABORATORY CONTROL SAMPLES

All criteria were met except the %Rec of Bromomethane, Chloroethane and Trichlorofluoromethane was outside QC limits, low in 291196LCS. These target analytes should be qualified as estimated in the associated samples.

The %Rec of 2-Butanone in 291196LCS and 1,2-Dibromoethane, trans-1,3-Dichloropropene, 4-Methyl-2-pentanone, Toluene and 1,1,2-Trichloroethane in 291843LCS were outside QC limits, high. These target analytes should be qualified as estimated high in the associated samples, if detected.

MS/MSD/DUPLICATE

All criteria were met except the RPD of 1,2,4-Trichlorobenzene was outside QC limits between SOIL-100MS and SOIL-100MSD. The %Rec of Benzene was outside QC limits, low in SOIL-100MS/MSD. These target analytes should be qualified as estimated in SOIL-100, SOIL-100DUP and SOIL-100MS/MSD.

The %Rec of Acetone was outside QC limits, high in SOIL-100MS/MSD. This target analyte should be qualified as estimated high in SOIL-100, SOIL-100DUP and SOIL-100MS/MSD, if detected.

The %Rec of 1,2,4-Trichlorobenzene was outside QC limits in SOIL-100MS but within limits in SOIL-100MSD, so no further action is required.

COMPOUND QUANTITATION

All criteria were met.

INITIAL CALIBRATION

All criteria were met.

Alternate forms of regression were performed on all target analytes whose %RSD >20%, with acceptable results.

CONTINUING CALIBRATION

All criteria were met except the %D of 2-Butanone in 10042879CCV and Dichlorodifluoromethane in 10047262CCV was outside ASP outer QC limits. These target analytes should be qualified as estimated in the associated blank, spikes and samples. The %D of Vinyl Chloride in 10047262CCV and Bromomethane and Toluene in 10048652CCV were outside QC limits. ASP allows for up to two target analytes to be outside QC limits without further action.

GC/MS PERFORMANCE CHECK

All criteria were met.

SEMIVOLATILE ORGANIC COMPOUNDS

The following items/criteria were reviewed for this analytical suite:

- Data Completeness
- Narrative and Data Reporting Forms
- Chain of Custody and Traffic Reports
- Holding Times
- Internal Standard (IS) Area Performance
- Surrogate Spike Recoveries
- Method Blank
- Field Duplicate Sample Precision
- Laboratory Control Samples
- MS/MSD/Duplicate
- Compound Quantitation
- Initial Calibration
- Continuing Calibration
- GC/MS Performance Check

The items listed above were technically in compliance with the method and SOP criteria with the exceptions discussed in the text below. The data have been reviewed according to the procedures outlined above and qualified accordingly.

OVERALL EVALUATION OF DATA AND POTENTIAL USABILITY ISSUES

The data are acceptable for use except where qualified below in Laboratory Control Samples, MS/MSD/Duplicate and Continuing Calibration.

DATA COMPLETENESS

All criteria were met.

NARRATIVE AND DATA REPORTING FORMS

All criteria were met.

CHAIN OF CUSTODY AND TRAFFIC REPORTS

All criteria were met.

HOLDING TIMES

All holding times were met.

INTERNAL STANDARD (IS)

All criteria were met.

SURROGATE SPIKE RECOVERIES

All criteria were met.

METHOD BLANK

All the criteria were met.

FIELD DUPLICATE SAMPLE PRECISION

All criteria were met.

LABORATORY CONTROL SAMPLES

All criteria were met except the %Rec of Benzaldehyde and 4-Nitroaniline was outside QC limits, low in 287781LCS. These target analytes should be qualified as estimated in the associated samples.

MS/MSD/DUPLICATE

All criteria were met except the %Rec of Hexachlorocyclopentadiene and Pentachlorophenol was outside QC limits, low in SOIL-100MS/MSD. The RPD of 3,3'-Dichlorobenzidine was outside QC limits between SOIL-100MS and SOIL-100MSD. These target analytes should be qualified as estimated in SOIL-100, SOIL-100DUP and SOIL-100MS/MSD.

COMPOUND QUANTITATION

All criteria were met.

INITIAL CALIBRATION

All criteria were met.

Alternate forms of regression were performed on all target analytes whose %RSD >20%, with acceptable results.

CONTINUING CALIBRATION

All criteria were met except %D of Benzaldehyde and Hexachlorocyclopentadiene was outside ASP outer QC limits and should be qualified as estimated in the samples, blanks and spikes.

GC/MS PERFORMANCE CHECK

All criteria were met.

PESTICIDES

The following items/criteria were reviewed for this analytical suite:

- Data Completeness
- Narrative and Data Reporting Forms
- Chain of Custody and Traffic Reports
- Holding Times
- Surrogate Spike Recoveries
- Method Blank
- Field Duplicate Precision
- Laboratory Control Samples
- MS/MSD/Duplicate
- Compound Quantitation
- Initial Calibration
- Continuing Calibration

The items listed above were technically in compliance with the method and SOP criteria with the exceptions discussed in the text below. The data have been reviewed according to the procedures outlined above and qualified accordingly.

OVERALL EVALUATION OF DATA AND POTENTIAL USABILITY ISSUES

The data are acceptable for use except where qualified below in Surrogate Spike Recoveries and Laboratory Control Samples.

DATA COMPLETENESS

All criteria were met.

NARRATIVE AND DATA REPORTING FORMS

All criteria were met.

CHAIN OF CUSTODY AND TRAFFIC REPORTS

All criteria were met.

HOLDING TIMES

All holding times were met.

SURROGATE SPIKE RECOVERIES

All criteria were met except the %Rec of TCMX and DCBP were outside QC limits, low in SOIL-112. These surrogates and all target analytes in this sample should be qualified as estimated.

METHOD BLANK

All the criteria were met.

FIELD DUPLICATE SAMPLE PRECISION

No field duplicate was acquired.

LABORATORY CONTROL SAMPLES

All criteria were met except the RPD of Aldrin in 286635LCS was outside QC limits between the columns and should be qualified as estimated.

MS/MSD/DUPLICATE

MS/MSD/Duplicate was not analyzed.

COMPOUND QUANTITATION

All criteria were met.

INITIAL CALIBRATION

All criteria were met.

CONTINUING CALIBRATION

All criteria were met.

PCB

The following items/criteria were reviewed for this analytical suite:

- Data Completeness
- Narrative and Data Reporting Forms
- Chain of Custody and Traffic Reports
- Holding Times
- Surrogate Spike Recoveries
- Method Blank
- Field Duplicate Precision

- Laboratory Control Samples
- MS/MSD/Duplicate
- Compound Quantitation
- Initial Calibration
- Continuing Calibration

The items listed above were technically in compliance with the method and SOP criteria with the exceptions discussed in the text below. The data have been reviewed according to the procedures outlined above and qualified accordingly.

OVERALL EVALUATION OF DATA AND POTENTIAL USABILITY ISSUES

The data are acceptable for use except where qualified below in Surrogate Spike Recoveries, Laboratory Control Samples and Continuing Calibration.

DATA COMPLETENESS

All criteria were met.

NARRATIVE AND DATA REPORTING FORMS

All criteria were met except the RRF of DCBP was recorded incorrectly on the continuing calibration summary pages in the original package. Updated pages are attached.

CHAIN OF CUSTODY AND TRAFFIC REPORTS

All criteria were met.

HOLDING TIMES

All holding times were met.

SURROGATE SPIKE RECOVERIES

All criteria were met except the %Rec of DCBP and TCMX was outside QC limits, low in SOIL-100MS. These surrogates and all target analytes in SOIL-100MS should be qualified as estimated.

The %Rec of DCBP in SOIL-112 was outside QC limits low and should be qualified as estimated.

METHOD BLANK

All the criteria were met.

FIELD DUPLICATE SAMPLE PRECISION

All criteria were met.

LABORATORY CONTROL SAMPLES

All criteria were met except the RPD of Aroclor 1016 was outside QC limit between the columns in 290003LCS and should be qualified as estimated.

MS/MSD/DUPLICATE

All criteria were met.

COMPOUND QUANTITATION

All criteria were met.

INITIAL CALIBRATION

All criteria were met.

CONTINUING CALIBRATION

All criteria were met except the %D of TCMX was outside QC limits off column 1 in 10061925CCV and column 2 in 10044537CCV, 10044534CCV, 10044547CCV, 10044564CCV, 10044566CCV, 10044573CCV, 10044579CCV, 10045962CCV, 10046546CCV, 10044565CCV, 10057338CCV and 10044574CCV. The %D of DCBP was outside QC limits off column 1 in 10045964CCV and 10061928CCV and off column 2 in 10044574CCV, 10044573CCV, 10044579CCV, 10045961CCV, 10045962CCV, 10046546CCV, 10057315CCV, 10057333CCV, 10057338CCV and 10057337CCV. The %D of Aroclor 1242 peaks 2-5 was outside QC limits off column 1 in 10045966CCV. The %D of Aroclor 1016 peaks 2-5 off column 1 in 10046550CCV. The %D of Aroclor 1016 peaks 1-5 off column 1 in 10057314CCV, 10061928CCV and 10063399CCV. The %D of Aroclor 1016 peaks 1-4 off column 2 in 10057315CCV. The %D of Aroclor 1260 peaks 1-4 off column 1 in 10061928CCV and 10063399CCV. These target analytes should be qualified as estimated in the associated samples, blanks and spikes off the associated column.

The %D of several peaks in the target analytes were outside QC limits, but within ASP because ASP requires three peaks to be compliant.

METALS

The following items/criteria were reviewed for this analytical suite:

- Data Completeness
- Narrative and Data Reporting Forms
- Chain of Custody and Traffic Reports
- Holding Times
- Blanks
- Laboratory Control Sample
- MS/MSD/Duplicate
- Field Duplicate
- Serial Dilution
- Compound Quantitation
- Calibration

The items listed above were technically in compliance with the method and SOP criteria with

the exceptions discussed in the text below. The data have been reviewed according to the procedures outlined above.

OVERALL EVALUATION OF DATA AND POTENTIAL USABILITY ISSUES

The data are acceptable for use except where qualified below in Blanks, Laboratory Control Sample, MS/MSD/Duplicate and Serial Dilution.

DATA COMPLETENESS

All criteria were met.

NARRATIVE AND DATA REPORTING FORMS

All criteria were met.

CHAIN OF CUSTODY AND TRAFFIC REPORTS

All criteria were met.

HOLDING TIMES

All holding times were met.

BLANKS

All criteria were met except Ca, Cr, Fe, Mn, K and Zn were detected above the MDL, below the reporting limit and is qualified as estimated in 287157BLANK. Ba, Pb, Tl and Zn were detected above the MDL, below the reporting limit and is qualified as estimated in ICB. Al, Ba, Be, Cd, Ca, Cr, Fe, Mn, Se and Zn were detected above the MDL, below the reporting limit and is qualified as estimated in CCB1. Ba, Cd, Ca, Cr, Fe, K, Se and Zn were detected above the MDL, below the reporting limit and is qualified as estimated in CCB2. Al, Ba, Ca, Cr, Fe, K and Zn were detected above the MDL, below the reporting limit and is qualified as estimated in CCB3. Al, Ba, Be, Cd, Ca, Cr, Fe, K, V and Zn were detected above the MDL, below the reporting limit and is qualified as estimated in CCB4. Ca was detected above the MDL, below the reporting limit and is qualified as estimated in CCB1 and CCB2. Hg was detected above the MDL, below the reporting limit and is qualified as estimated in the ICB and all CCB's. Associated samples in which these target analytes were detected above the MDL and below the reporting limit should be reported with the reporting limit and 'undetected'. Associated samples in which these target analytes were detected above the reporting limit should be qualified as estimated high. Al was detected above the reporting limit in 287157BLANK. Associated samples in which this target analyte was detected above the reporting limit should be reported with the reporting limit and 'undetected'. Associated samples in which this target analyte was detected above the reporting limit but below the blank concentration should be reported with the blank concentration and 'undetected'. Associated samples in which this target analyte was detected above the blank concentration should be qualified as estimated high.

LABORATORY CONTROL SAMPLE

All criteria were met except the %Rec of Sb and Fe was outside ASP QC limits, low in 287158LCS and should be qualified as estimated in 287158LCS and the associated samples.

MS/MSD/DUPLICATE

All criteria were met except the %Rec of Sb was outside QC limits, low in SOIL-100MS. This target analyte should be qualified as estimated in SOIL-100, SOIL-100DUP and SOIL-100MS/MSD.

The RPD of As was outside QC limits between SOIL-100 and SOIL-100DUP. This target analyte should be qualified as estimated in SOIL-100 and SOIL-100DUP.

FIELD DUPLICATE

No field duplicate was acquired.

SERIAL DILUTION

All criteria were met except the %D of Ba, Be, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Ni, K, V and Zn were outside QC limits in SOIL-100SD. These target analytes should be qualified as estimated in SOIL-100 and SOIL-100DUP.

COMPOUND QUANTITATION

All criteria were met.

CALIBRATION

All criteria were met.

Data Usability Summary Report

Vali-Data of WNY, LLC
1514 Davis Rd.
West Falls, NY 14170

Coyne Textile
Pace Analytical SDG#7047606
July 24, 2018
Reissued; August 21, 2018
Sampling date: 4/6/18

Prepared by:
Jodi Zimmerman
Vali-Data of WNY, LLC
1514 Davis Rd.
West Falls, NY 14170

Coyne Textile
SDG# 7047606

DELIVERABLES

This Data Usability Summary Report (DUSR) was prepared by evaluating the analytical data package for CHA, project located at Coyne Textile, Pace Analytical (Pace), SDG#7047606, submitted to Vali-Data of WNY, LLC on June 26, 2018. This DUSR has been prepared in general compliance with NYSDEC Analytical Services Protocols and USEPA National Functional Guidelines. The laboratory performed the analyses using USEPA methods Volatile Organics (8260C), Semi-Volatile Organics (8270D), Pesticides (8081B), PCB (8082A), Inorganics (6010C) and Mercury (7471B).

VOLATILE ORGANIC COMPOUNDS

The following items/criteria were reviewed for this analytical suite:

- Data Completeness
- Narrative and Data Reporting Forms
- Chain of Custody and Traffic Reports
- Holding Times
- Internal Standard (IS) Area Performance
- Surrogate Spike Recoveries
- Method Blank
- Field Duplicate Sample Precision
- Laboratory Control Samples
- MS/MSD/Duplicate
- Compound Quantitation
- Initial Calibration
- Continuing Calibration
- GC/MS Performance Check

The items listed above were technically in compliance with the method and SOP criteria with the exceptions discussed in the text below. The data have been reviewed according to the procedures outlined above and qualified accordingly.

OVERALL EVALUATION OF DATA AND POTENTIAL USABILITY ISSUES

The data are acceptable for use except where qualified below in Surrogate Spike Recoveries, Laboratory Control Samples, MS/MSD/Duplicate and Continuing Calibration.

DATA COMPLETENESS

All criteria were met.

NARRATIVE AND DATA REPORTING FORMS

All criteria were met.

CHAIN OF CUSTODY AND TRAFFIC REPORTS

All criteria were met.

HOLDING TIMES

All holding times were met.

INTERNAL STANDARD (IS)

All criteria were met.

SURROGATE SPIKE RECOVERIES

All criteria were met except the %Rec of Toluene-d₈ was outside ASP QC limits, low in SOIL-123, SOIL-105, SOIL-100, SOIL-106 and SOIL-104. Associated target analytes in these samples should be qualified as estimated.

The %Rec of 1,2-Dichloroethane-d₄ was outside QC limits, high in SOIL-105. The %Rec of 4-Bromofluorobenzene was outside QC limits, high in SOIL-102. Associated target analytes detected in these samples should be qualified as estimated.

METHOD BLANK

All the criteria were met.

FIELD DUPLICATE SAMPLE PRECISION

No field duplicate was acquired.

LABORATORY CONTROL SAMPLES

All criteria were met except the %Rec of Bromomethane, Chloroethane and Trichlorofluoromethane was outside QC limits, low in 291196LCS. These target analytes should be qualified as estimated in the associated samples.

MS/MSD/DUPLICATE

All criteria were met except the %Rec of 1,2,4-Trichlorobenzene, Acetone and Carbon Tetrachloride was outside QC limits, low in SOIL-122MS. These target analytes should be qualified as estimated in SOIL-122 and SOIL-122MS.

Acetone was detected outside calibration limits and is qualified with an 'E' in SOIL-MS101. M&p-Xylene and o-Xylene were detected in Soil-MSD 101 but not in Soil-MS 101.

COMPOUND QUANTITATION

All criteria were met.

INITIAL CALIBRATION

All criteria were met.

Alternate forms of regression were performed on all target analytes whose %RSD >20%, with acceptable results.

CONTINUING CALIBRATION

All criteria were met except the %D of Acetone, Bromomethane and Dichlorodifluoromethane in 10055223CCV was outside ASP outer QC limits. The %D of Carbon Tetrachloride was outside QC limits in 10055223CCV. These target analytes should be qualified as estimated in the associated blank, spikes and samples.

GC/MS PERFORMANCE CHECK

All criteria were met.

SEMIVOLATILE ORGANIC COMPOUNDS

The following items/criteria were reviewed for this analytical suite:

- Data Completeness
- Narrative and Data Reporting Forms
- Chain of Custody and Traffic Reports
- Holding Times
- Internal Standard (IS) Area Performance
- Surrogate Spike Recoveries
- Method Blank
- Field Duplicate Sample Precision
- Laboratory Control Samples
- MS/MSD/Duplicate
- Compound Quantitation
- Initial Calibration
- Continuing Calibration
- GC/MS Performance Check

The items listed above were technically in compliance with the method and SOP criteria with the exceptions discussed in the text below. The data have been reviewed according to the procedures outlined above and qualified accordingly.

OVERALL EVALUATION OF DATA AND POTENTIAL USABILITY ISSUES

The data are acceptable for use except where qualified below in Internal Standard, Surrogate Spike Recoveries, Laboratory Control Samples, Initial Calibration and Continuing Calibration.

DATA COMPLETENESS

All criteria were met.

NARRATIVE AND DATA REPORTING FORMS

All criteria were met except the run log run on 4/20/2018 beginning with tune #41718: was not included in the reissued report. That page is attached.

CHAIN OF CUSTODY AND TRAFFIC REPORTS

All criteria were met.

HOLDING TIMES

All holding times were met.

INTERNAL STANDARD (IS)

All criteria were met except the area of Perylene-d₁₂ was outside QC limits, low in SOIL-104. Associated target analytes detected in this samples should be qualified as estimated high. Associated target analytes not detected in this sample should be qualified as estimate.

SURROGATE SPIKE RECOVERIES

All criteria were met except the %Rec of Nitrobenzene-d₅ was outside QC limits, low in SOIL-100 and SOIL-MS101. Associated target analytes in these samples should be qualified as estimated.

METHOD BLANK

All the criteria were met.

FIELD DUPLICATE SAMPLE PRECISION

No field duplicate was acquired.

LABORATORY CONTROL SAMPLES

All criteria were met except the %Rec of Benzaldehyde was outside QC limits, low in 290539LCS and 293137LCS. This target analyte should be qualified as estimated in the associated samples. The %Rec of Atrazine was outside QC limits, high in 293137LCS. This target analyte should be qualified as estimated in the associated samples in which it was detected.

MS/MSD/DUPLICATE

No MS/MSD was analyzed.

COMPOUND QUANTITATION

All criteria were met.

INITIAL CALIBRATION

All criteria were met except the %RSD of Benzaldehyde was outside ASP outer QC limits in the initial calibration performed on instrument 70MSS2 on 3/27/18. This target analyte should be qualified as estimated in the associated blanks, spikes and samples.

Alternate forms of regression were performed on all target analytes whose %RSD >20%, with acceptable results.

CONTINUING CALIBRATION

All criteria were met except the %D of Benzaldehyde and Hexachlorocyclopentadiene was outside ASP outer QC limits in 10207728CCV, 10555495CCV, 10555529CCV and 10555252CCV. The %D of 2,2'-Oxybis(1-chloropropane) was outside outer ASP QC limit in 10555252CCV.

These target analytes should be qualified as estimated in the associated samples, blanks and spikes.

The %D of Bis(2-chloroethyl)ether was outside QC limits in 10555252CCV. ASP allows for up to four target analytes to be outside QC limits without further action.

GC/MS PERFORMANCE CHECK

All criteria were met.

PESTICIDES

The following items/criteria were reviewed for this analytical suite:

- Data Completeness
- Narrative and Data Reporting Forms
- Chain of Custody and Traffic Reports
- Holding Times
- Surrogate Spike Recoveries
- Method Blank
- Field Duplicate Precision
- Laboratory Control Samples
- MS/MSD/Duplicate
- Compound Quantitation
- Initial Calibration
- Continuing Calibration

The items listed above were technically in compliance with the method and SOP criteria with the exceptions discussed in the text below. The data have been reviewed according to the procedures outlined above and qualified accordingly.

OVERALL EVALUATION OF DATA AND POTENTIAL USABILITY ISSUES

The data are acceptable for use except where qualified below in Narrative and Data Reporting Forms, Laboratory Control Samples and Continuing Calibration.

DATA COMPLETENESS

All criteria were met.

NARRATIVE AND DATA REPORTING FORMS

All criteria were met except some of the RRF's and mean RRF's were recorded incorrectly on the continuing calibration summary forms for 1005692CCV. The %D's were correct, so no further action is required.

The %D's and some of the RRF and mean RRF were recorded incorrectly on the continuing calibration summary form for 10059691CCV. Any results utilizing this continuing calibration should be qualified as estimated.

CHAIN OF CUSTODY AND TRAFFIC REPORTS

All criteria were met.

HOLDING TIMES

All holding times were met.

SURROGATE SPIKE RECOVERIES

All criteria were met.

METHOD BLANK

All the criteria were met.

FIELD DUPLICATE SAMPLE PRECISION

No field duplicate was acquired.

LABORATORY CONTROL SAMPLES

All criteria were met except the RPD of Toxaphene in 292418LCS was outside QC limits between the columns and should be qualified as estimated.

Methoxychlor was detected above the MDL, below the reporting limit in laboratory control samples and the concentrations were recorded on the Form I's. The concentrations were not recorded on the Form III's.

MS/MSD/DUPLICATE

MS/MSD/Duplicate was not analyzed.

COMPOUND QUANTITATION

All criteria were met.

INITIAL CALIBRATION

All criteria were met.

CONTINUING CALIBRATION

All criteria were met except the %breakdown of 4,4-DDT was outside QC limits in 10048791PEM, 10048789PEM, 10059689PEM and 10059690PEM. 4,4'-DDT, 4,4'-DDE and 4,4'-DDD should be qualified as estimated in the associated samples, blanks and spikes, if detected. The %D of Methoxychlor and 4,4'-DDT off column 1 in 1054652CCV and off column 2 in 10546524CCV was outside QC limits. The %D of 4,4'-DDD, 4,4'-DDT, Endrin Ketone and Methoxychlor off column 1 in 10059692CCV was outside QC limits. The %D of 4,4'-DDD, 4,4'-DDT, 4,4'-DDE, Endrin Sulfate, DCBP and Methoxychlor off column 2 in 10059691CCV was outside QC limits. The %D of 4,4'-DDD and DCBP off column 1 in 10546731CCV was outside QC limits. The %D of 4,4'-DDD, beta-BHC and DCBP off column 2 in 10546732CCV was outside QC limits. These target analytes should be qualified as estimated in the associated blanks, spikes and samples off the associated column.

PCB

The following items/criteria were reviewed for this analytical suite:

- Data Completeness
- Narrative and Data Reporting Forms
- Chain of Custody and Traffic Reports
- Holding Times
- Surrogate Spike Recoveries
- Method Blank
- Field Duplicate Precision
- Laboratory Control Samples
- MS/MSD/Duplicate
- Compound Quantitation
- Initial Calibration
- Continuing Calibration

The items listed above were technically in compliance with the method and SOP criteria with the exceptions discussed in the text below. The data have been reviewed according to the procedures outlined above and qualified accordingly.

OVERALL EVALUATION OF DATA AND POTENTIAL USABILITY ISSUES

The data are acceptable for use except where qualified below in MS/MSD/Duplicate and Continuing Calibration.

DATA COMPLETENESS

All criteria were met.

NARRATIVE AND DATA REPORTING FORMS

All criteria were met.

CHAIN OF CUSTODY AND TRAFFIC REPORTS

All criteria were met.

HOLDING TIMES

All holding times were met.

SURROGATE SPIKE RECOVERIES

All criteria were met.

METHOD BLANK

All the criteria were met.

FIELD DUPLICATE SAMPLE PRECISION

All criteria were met.

LABORATORY CONTROL SAMPLES

All criteria were met.

MS/MSD/DUPLICATE

All criteria were met except the RPD of Aroclor 1016 was outside QC limits SOIL-105MS and SOIL-105MSD. This target analyte should be qualified as estimated in limits SOIL-105, SOIL-105MS and SOIL-105MSD.

COMPOUND QUANTITATION

All criteria were met.

INITIAL CALIBRATION

All criteria were met.

CONTINUING CALIBRATION

All criteria were met except the %D of TCMX was outside QC limits off column 2 in 10046546CCV and 10057338CCV. The %D of DCBP was outside QC limits off column 1 in 10045964CCV and off column 2 in 10045962CCV, 10046546CCV, 10057315CCV, 10057333CCV, 10057338CCV and 10057337CCV. The %D of Aroclor 1242 peaks 2-5 was outside QC limits off column 1 in 10045966CCV. The %D of Aroclor 1016 peaks 2-5 off column 1 in 10046550CCV. The %D of Aroclor 1016 peaks 1-5 off column 1 in 10057314CCV. The %D of Aroclor 1016 peaks 1-4 off column 2 in 10057315CCV. These target analytes should be qualified as estimated in the associated samples, blanks and spikes off the associated column. The %D of several peaks in the target analytes were outside QC limits, but within ASP because ASP requires three peaks to be compliant.

METALS

The following items/criteria were reviewed for this analytical suite:

- Data Completeness
- Narrative and Data Reporting Forms
- Chain of Custody and Traffic Reports
- Holding Times
- Blanks
- Laboratory Control Sample
- MS/MSD/Duplicate
- Field Duplicate
- Serial Dilution
- Compound Quantitation

-Calibration

The items listed above were technically in compliance with the method and SOP criteria with the exceptions discussed in the text below. The data have been reviewed according to the procedures outlined above.

OVERALL EVALUATION OF DATA AND POTENTIAL USABILITY ISSUES

The data are acceptable for use except were qualified below in Blanks, Laboratory Control Samples, MS/MSD/Duplicate and Serial Dilution.

DATA COMPLETENESS

All criteria were met.

NARRATIVE AND DATA REPORTING FORMS

All criteria were met.

CHAIN OF CUSTODY AND TRAFFIC REPORTS

All criteria were met.

HOLDING TIMES

All holding times were met.

BLANKS

All criteria were met except Ca, Fe, K and Zn were detected above the MDL, below the reporting limit and should be qualified as estimated in 287921BLANK. Cr and Zn were detected above the MDL, below the reporting limit and is qualified as estimated in ICB. Sb, Cd, Ca and Fe were detected above the MDL, below the reporting limit and is qualified as estimated in CCB1. Sb, Cd, Ca, Co, K, Na, Tl and Zn were detected above the MDL, below the reporting limit and is qualified as estimated in CCB2. Sb, Ca, Cr, Fe and Zn were detected above the MDL, below the reporting limit and is qualified as estimated in CCB3. Sb, Cd, Ca, Fe and Zn were detected above the MDL, below the reporting limit and is qualified as estimated in CCB4. Ca was detected above the MDL, below the reporting limit and is qualified as estimated in CCB1 and CCB2. Associated samples in which these target analytes were detected above the MDL and below the reporting limit should be reported with the reporting limit and 'undetected'. Associated samples in which these target analytes were detected above the reporting limit should be qualified as estimated high. Ca, Fe, K and Zn were detected in 287921BLANK and were recorded in the 'Quality Control Results' but not on the Form III.

LABORATORY CONTROL SAMPLE

All criteria were met except the %Rec of Fe was outside ASP QC limits, low in 287922SRM and should be qualified as estimated in 287922SRM and the associated samples.

MS/MSD/DUPLICATE

All criteria were met except the %Rec of Cu was outside QC limits, high in SOIL-103MS but within limits in the post digest spike. This target analyte should be qualified as estimated in SOIL-103, SOIL-103DUP and SOIL-103MS, if detected.

FIELD DUPLICATE

No field duplicate was acquired.

SERIAL DILUTION

All criteria were met except the %D of Al, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Ni, K, V and Zn were outside QC limits in SOIL-103SD. These target analytes should be qualified as estimated in SOIL-103 and SOIL-103DUP.

COMPOUND QUANTITATION

All criteria were met.

CALIBRATION

All criteria were met.

Data Usability Summary Report

Vali-Data of WNY, LLC
1514 Davis Rd.
West Falls, NY 14170

Coyne Textile
Pace Analytical SDG#7047847
July 25, 2018
August 20, 2018
Sampling date: 4/9/2018

Prepared by:
Jodi Zimmerman
Vali-Data of WNY, LLC
1514 Davis Rd.
West Falls, NY 14170

Coyne Textile
SDG# 7047847

DELIVERABLES

This Data Usability Summary Report (DUSR) was prepared by evaluating the analytical data package (reissued; August 20, 2018) for CHA, project located at Coyne Textile, Pace Analytical (Pace), SDG#7047847, submitted to Vali-Data of WNY, LLC on June 26, 2018. This DUSR has been prepared in general compliance with NYSDEC Analytical Services Protocols and USEPA National Functional Guidelines. The laboratory performed the analyses using USEPA methods Volatile Organics (8260C), Semi-Volatile Organics (8270D), Pesticides (8081B), PCB (8082A), Inorganics (6010C) and Mercury (7471B).

VOLATILE ORGANIC COMPOUNDS

The following items/criteria were reviewed for this analytical suite:

- Data Completeness
- Narrative and Data Reporting Forms
- Chain of Custody and Traffic Reports
- Holding Times
- Internal Standard (IS) Area Performance
- Surrogate Spike Recoveries
- Method Blank
- Field Duplicate Sample Precision
- Laboratory Control Samples
- MS/MSD/Duplicate
- Compound Quantitation
- Initial Calibration
- Continuing Calibration
- GC/MS Performance Check

The items listed above were technically in compliance with the method and SOP criteria with the exceptions discussed in the text below. The data have been reviewed according to the procedures outlined above and qualified accordingly.

OVERALL EVALUATION OF DATA AND POTENTIAL USABILITY ISSUES

The data are acceptable for use except where qualified below in Surrogate Spike Recoveries, Method Blank and Laboratory Control Samples.

DATA COMPLETENESS

All criteria were met.

NARRATIVE AND DATA REPORTING FORMS

All criteria were met.

CHAIN OF CUSTODY AND TRAFFIC REPORTS

All criteria were met.

HOLDING TIMES

All holding times were met.

INTERNAL STANDARD (IS)

All criteria were met.

SURROGATE SPIKE RECOVERIES

All criteria were met except the %Rec of Toluene-d₈ was outside ASP QC limits, low in 291843LCS. Associated target analytes in 291843LCS should be qualified as estimated.

METHOD BLANK

All the criteria were met except 1,2,4-Trichlorobenzene was detected above the MDL, below the reporting limit and is qualified as estimated in 291842BLANK. This target analyte was not detected in the samples, so no further action is required.

FIELD DUPLICATE SAMPLE PRECISION

No field duplicate was acquired.

LABORATORY CONTROL SAMPLES

All criteria were met except the %Rec of 1,2-Dibromoethane, trans-1,3-Dichloropropene, 4-Methyl-2-pentanone, Toluene and 1,1,2-Trichloroethane was outside QC limits, high in 291843LCS. These target analytes should be qualified as estimated in the associated samples, if detected.

MS/MSD/DUPLICATE

No MS/MSD was acquired.

COMPOUND QUANTITATION

All criteria were met.

INITIAL CALIBRATION

All criteria were met.

Alternate forms of regression were performed on all target analytes whose %RSD >20%, with acceptable results.

CONTINUING CALIBRATION

All criteria were met except the %D of Bromomethane and Toluene was outside QC limits in 10048652CCV. ASP allows for up to two target analytes to be outside QC limits without further action.

GC/MS PERFORMANCE CHECK

All criteria were met.

SEMIVOLATILE ORGANIC COMPOUNDS

The following items/criteria were reviewed for this analytical suite:

- Data Completeness
- Narrative and Data Reporting Forms
- Chain of Custody and Traffic Reports
- Holding Times
- Internal Standard (IS) Area Performance
- Surrogate Spike Recoveries
- Method Blank
- Field Duplicate Sample Precision
- Laboratory Control Samples
- MS/MSD/Duplicate
- Compound Quantitation
- Initial Calibration
- Continuing Calibration
- GC/MS Performance Check

The items listed above were technically in compliance with the method and SOP criteria with the exceptions discussed in the text below. The data have been reviewed according to the procedures outlined above and qualified accordingly.

OVERALL EVALUATION OF DATA AND POTENTIAL USABILITY ISSUES

The data are acceptable for use except where qualified below in Initial Calibration and Continuing Calibration.

DATA COMPLETENESS

All criteria were met.

NARRATIVE AND DATA REPORTING FORMS

All criteria were met.

CHAIN OF CUSTODY AND TRAFFIC REPORTS

All criteria were met.

HOLDING TIMES

All holding times were met.

INTERNAL STANDARD (IS)

All criteria were met.

SURROGATE SPIKE RECOVERIES

All criteria were met.

METHOD BLANK

All the criteria were met.

FIELD DUPLICATE SAMPLE PRECISION

No field duplicate was acquired.

LABORATORY CONTROL SAMPLES

All criteria were met.

MS/MSD/DUPLICATE

No MS/MSD was analyzed for these samples.

COMPOUND QUANTITATION

All criteria were met.

INITIAL CALIBRATION

All criteria were met except the %RSD of Benzaldehyde was outside ASP outer QC limits in the initial calibration performed on instrument 70MSS2 on 3/27/18. This target analyte should be qualified as estimated in the associated blanks, spikes and samples.

Alternate forms of regression were performed on all target analytes whose %RSD >20%, with acceptable results.

CONTINUING CALIBRATION

All criteria were met except the %D of Hexachlorocyclopentadiene was outside ASP outer QC limits in 10060814CCV. The %D of Benzaldehyde and Hexachlorocyclopentadiene was outside ASP outer QC limits in 10050673CCV. These target analytes should be qualified as estimated in the associated samples, blanks and spikes.

GC/MS PERFORMANCE CHECK

All criteria were met.

PESTICIDES

The following items/criteria were reviewed for this analytical suite:

- Data Completeness
- Narrative and Data Reporting Forms
- Chain of Custody and Traffic Reports
- Holding Times
- Surrogate Spike Recoveries
- Method Blank
- Field Duplicate Precision
- Laboratory Control Samples
- MS/MSD/Duplicate
- Compound Quantitation
- Initial Calibration
- Continuing Calibration

The items listed above were technically in compliance with the method and SOP criteria with the exceptions discussed in the text below. The data have been reviewed according to the procedures outlined above and qualified accordingly.

OVERALL EVALUATION OF DATA AND POTENTIAL USABILITY ISSUES

The data are acceptable for use except where qualified below in Surrogate Spike Recoveries and Continuing Calibration.

DATA COMPLETENESS

All criteria were met.

NARRATIVE AND DATA REPORTING FORMS

All criteria were met except the RRF was not recorded correctly on some of the continuing calibration summary pages. Updated pages are attached.

CHAIN OF CUSTODY AND TRAFFIC REPORTS

All criteria were met.

HOLDING TIMES

All holding times were met.

SURROGATE SPIKE RECOVERIES

All criteria were met except the %Rec of TCMX and DCBP were outside QC limits, low in SS-100. These surrogates and all of the target analytes should be qualified as estimated in this sample.

METHOD BLANK

All the criteria were met.

FIELD DUPLICATE SAMPLE PRECISION

No field duplicate was acquired.

LABORATORY CONTROL SAMPLES

All criteria were met.

MS/MSD/DUPLICATE

MS/MSD/Duplicate was not analyzed for these samples.

COMPOUND QUANTITATION

All criteria were met.

INITIAL CALIBRATION

All criteria were met.

CONTINUING CALIBRATION

All criteria were met except the %D of 4,4'-DDD and DCBP off column 1 in 100546731CCV was outside QC limits. The %D of 4,4'-DDD, beta-BHC and DCBP off column 2 in 100546732CCV was outside QC limits. These target analytes should be qualified as estimated in the associated blanks, spikes and samples off the associated column.

PCB

The following items/criteria were reviewed for this analytical suite:

- Data Completeness
- Narrative and Data Reporting Forms
- Chain of Custody and Traffic Reports
- Holding Times
- Surrogate Spike Recoveries
- Method Blank
- Field Duplicate Precision
- Laboratory Control Samples
- MS/MSD/Duplicate
- Compound Quantitation
- Initial Calibration
- Continuing Calibration

The items listed above were technically in compliance with the method and SOP criteria with the exceptions discussed in the text below. The data have been reviewed according to the procedures outlined above and qualified accordingly.

OVERALL EVALUATION OF DATA AND POTENTIAL USABILITY ISSUES

The data are acceptable for use except where qualified below in Surrogate Spike Recoveries and Continuing Calibration.

DATA COMPLETENESS

All criteria were met.

NARRATIVE AND DATA REPORTING FORMS

All criteria were met.

CHAIN OF CUSTODY AND TRAFFIC REPORTS

All criteria were met.

HOLDING TIMES

All holding times were met.

SURROGATE SPIKE RECOVERIES

All criteria were met except the %Rec of DCBP was outside QC limits, low in SS-100 and should be qualified as estimated.

METHOD BLANK

All the criteria were met.

FIELD DUPLICATE SAMPLE PRECISION

All criteria were met.

LABORATORY CONTROL SAMPLES

All criteria were met.

MS/MSD/DUPLICATE

No MS/MSD was analyzed for these samples.

COMPOUND QUANTITATION

All criteria were met.

INITIAL CALIBRATION

All criteria were met.

CONTINUING CALIBRATION

All criteria were met except the %D of TCMX was outside QC limits off column 2 in 10046546CCV, 1005855CCV and 10051852CCV and column 1 in 10051843CCV. The %D of DCBP was outside QC limits off column 1 in 10045964CCV and 10051850CCV and off column 2 in 10045962CCV, 10045961CCV, 10046546CCV, 10051844CCV, 10051848CCV, 10051855CCV. The %D of Aroclor 1242 peaks 2-5 was outside QC limits off column 1 in 10045966CCV. The %D of

Aroclor 1016 peaks 2-5 off column 1 in 10046550CCV. The %D of Aroclor 1260 peaks 1, 2, 5 off column 2 in 10051844CCV. The %D of Aroclor 1016 peaks 1-5 off column 1 in 10051860CCV. The %D of Aroclor 1254 peaks 2-4 off column 2 in 10051837CCV. These target analytes should be qualified as estimated in the associated samples, blanks and spikes off the associated column.

The %D of several peaks in the target analytes were outside QC limits, but within ASP because ASP requires three peaks to be compliant.

METALS

The following items/criteria were reviewed for this analytical suite:

- Data Completeness
- Narrative and Data Reporting Forms
- Chain of Custody and Traffic Reports
- Holding Times
- Blanks
- Laboratory Control Sample
- MS/MSD/Duplicate
- Field Duplicate
- Serial Dilution
- Compound Quantitation
- Calibration

The items listed above were technically in compliance with the method and SOP criteria with the exceptions discussed in the text below. The data have been reviewed according to the procedures outlined above.

OVERALL EVALUATION OF DATA AND POTENTIAL USABILITY ISSUES

The data are acceptable for use except where qualified below in Blanks, MS/MSD/Duplicate and Serial Dilution.

DATA COMPLETENESS

All criteria were met.

NARRATIVE AND DATA REPORTING FORMS

All criteria were met.

CHAIN OF CUSTODY AND TRAFFIC REPORTS

All criteria were met.

HOLDING TIMES

All holding times were met.

BLANKS

All criteria were met except Sb, Ca, Cu, Fe, Mn, K and Zn were detected above the MDL, below the reporting limit and are qualified as estimated in 289123BLANK. Al and TI were detected above the MDL, below the reporting limit and is qualified as estimated in ICB. Al, Sb, Ba, Ca Fe, Ni and TI were detected above the MDL, below the reporting limit and is qualified as estimated in CCB1. Al, Sb, Ba, Na and TI were detected above the MDL, below the reporting limit and is qualified as estimated in CCB2. Al, Sb, Ba, Cr, Fe and Mn were detected above the MDL, below the reporting limit and is qualified as estimated in CCB3. Sb, As, Ba, Cd, Ca, Fe and Se were detected above the MDL, below the reporting limit and is qualified as estimated in CCB4. Hg was detected above the MDL, below the reporting limit and is qualified as estimated in ICB and all of the CCB's. Associated samples in which these target analytes were detected above the MDL and below the reporting limit should be reported with the reporting limit and 'undetected'. Associated samples in which these target analytes were detected above the reporting limit should be qualified as estimated high.

LABORATORY CONTROL SAMPLE

All criteria were met.

MS/MSD/DUPLICATE

All criteria were met except the RPD of Al, Cr, Pb and Zn was outside QC limits between SOIL-101 and SOIL-101Dup. These target analytes should be qualified as estimated in SOIL-101 and SOIL-101DUP.

FIELD DUPLICATE

No field duplicate was acquired.

SERIAL DILUTION

All criteria were met except the %D of Cd, Ca, Cr, Co, Cu, Fe and Ni were outside QC limits in SOIL-101SD. These target analytes should be qualified as estimated in SOIL-101.

COMPOUND QUANTITATION

All criteria were met.

CALIBRATION

All criteria were met.

Data Usability Summary Report

Vali-Data of WNY, LLC
1514 Davis Rd.
West Falls, NY 14170

Coyne Textile
Pace Analytical SDG#7048576
July 26, 2018
Reissued; August 16, 2018
Sampling date: 4/16/2018

Prepared by:
Jodi Zimmerman
Vali-Data of WNY, LLC
1514 Davis Rd.
West Falls, NY 14170

Coyne Textile
SDG# 7048576

DELIVERABLES

This Data Usability Summary Report (DUSR) was prepared by evaluating the analytical data package (reissued; August 16, 2018) for CHA, project located at Coyne Textile, Pace Analytical (Pace), SDG#7048576, submitted to Vali-Data of WNY, LLC on June 26, 2018. This DUSR has been prepared in general compliance with NYSDEC Analytical Services Protocols and USEPA National Functional Guidelines. The laboratory performed the analyses using USEPA methods Volatile Organics (8260C), Semi-Volatile Organics (8270D), PCB (8082A), Inorganics (200.7) and Mercury (7470A).

VOLATILE ORGANIC COMPOUNDS

The following items/criteria were reviewed for this analytical suite:

- Data Completeness
- Narrative and Data Reporting Forms
- Chain of Custody and Traffic Reports
- Holding Times
- Internal Standard (IS) Area Performance
- Surrogate Spike Recoveries
- Method Blank
- Field Duplicate Sample Precision
- Laboratory Control Samples
- MS/MSD/Duplicate
- Compound Quantitation
- Initial Calibration
- Continuing Calibration
- GC/MS Performance Check

The items listed above were technically in compliance with the method and SOP criteria with the exceptions discussed in the text below. The data have been reviewed according to the procedures outlined above and qualified accordingly.

OVERALL EVALUATION OF DATA AND POTENTIAL USABILITY ISSUES

The data are acceptable for use except where qualified below in Surrogate Spike Recoveries.

DATA COMPLETENESS

All criteria were met.

NARRATIVE AND DATA REPORTING FORMS

All criteria were met.

CHAIN OF CUSTODY AND TRAFFIC REPORTS

All criteria were met.

HOLDING TIMES

All holding times were met.

INTERNAL STANDARD (IS)

All criteria were met.

SURROGATE SPIKE RECOVERIES

All criteria were met except the %Rec of 4-Bromofluorobenzene was outside QC limit, high in TEMP-GW001. Associated target analytes detected in this sample should be qualified as estimated.

The %Rec of Toluene-d₈ was outside QC limits, low in TEMP-GW001. Associated target analytes in this sample should be qualified as estimated.

METHOD BLANK

All the criteria were met.

FIELD DUPLICATE SAMPLE PRECISION

No field duplicate was acquired.

LABORATORY CONTROL SAMPLES

All criteria were met.

MS/MSD/DUPLICATE

No MS/MSD was performed on these samples.

COMPOUND QUANTITATION

All criteria were met.

INITIAL CALIBRATION

All criteria were met.

Alternate forms of regression were performed on all target analytes whose %RSD >20%, with acceptable results.

CONTINUING CALIBRATION

All criteria were met.

GC/MS PERFORMANCE CHECK

All criteria were met.

SEMIVOLATILE ORGANIC COMPOUNDS

The following items/criteria were reviewed for this analytical suite:

- Data Completeness
- Narrative and Data Reporting Forms
- Chain of Custody and Traffic Reports
- Holding Times
- Internal Standard (IS) Area Performance
- Surrogate Spike Recoveries
- Method Blank
- Field Duplicate Sample Precision
- Laboratory Control Samples
- MS/MSD/Duplicate
- Compound Quantitation
- Initial Calibration
- Continuing Calibration
- GC/MS Performance Check

The items listed above were technically in compliance with the method and SOP criteria with the exceptions discussed in the text below. The data have been reviewed according to the procedures outlined above and qualified accordingly.

OVERALL EVALUATION OF DATA AND POTENTIAL USABILITY ISSUES

The data are acceptable for use except where qualified below in Laboratory Control Samples, MS/MSD/Duplicate and Continuing Calibration.

DATA COMPLETENESS

All criteria were met.

NARRATIVE AND DATA REPORTING FORMS

All criteria were met.

CHAIN OF CUSTODY AND TRAFFIC REPORTS

All criteria were met.

HOLDING TIMES

All holding times were met.

INTERNAL STANDARD (IS)

All criteria were met.

SURROGATE SPIKE RECOVERIES

All criteria were met except surrogates in GW 101S was outside QC limits due to dilution. No further action is required.

METHOD BLANK

All the criteria were met.

FIELD DUPLICATE SAMPLE PRECISION

No field duplicate was acquired.

LABORATORY CONTROL SAMPLES

All criteria were met except the %Rec of 2,4-Dimethylphenol and 2,2'-Oxybis(1-chloropropane) was outside QC limits, low in 295295LCS. The %Rec of 2,4-Dimethylphenol and Carbazole was outside QC limits, low in 293703LCS. The %Rec of Atrazine was 0% in 295295LCS. These target analytes should be qualified as estimated in the associated samples.

MS/MSD/DUPLICATE

All criteria were met except the %Rec of 2,2'-Oxybis(1-chloropropane) was outside QC limits, low in GW 101IMS. This target analyte should be qualified as estimated in GW 101I and GW 101IMS.

The %Rec of Pentachlorophenol was outside QC limits, high in GW 101IMS. This target analyte should be qualified as estimated in GW 101I and GW 101IMS, if detected.

The %Rec of Atrazine and Benzaldehyde was 0% in GW 101IMS. These target analytes should be qualified as estimated in GW 101I and GW 101IMS, if detected. These target analytes should be qualified as unusable in GW 101I and GW 101IMS, if not detected.

COMPOUND QUANTITATION

All criteria were met.

INITIAL CALIBRATION

All criteria were met.

Alternate forms of regression were performed on all target analytes whose %RSD >20%, with acceptable results.

CONTINUING CALIBRATION

All criteria were met except the %D of Benzaldehyde and Hexachlorocyclopentadiene was outside ASP outer QC limits in 10549421CCV. The %Rec of N-Nitrosodiphenylamine was outside ASP outer QC limits in 10546554CCV. The %Rec of Benzaldehyde, 2,2'-Oxybis(1-chloropropane) and Hexachlorocyclopentadiene was outside ASP outer QC limits in 10551749CCV. The %D of Pentachlorophenol and Bis(2-chloroethyl)ether was outside ASP QC limits in 10551749CCV. These target analytes should be qualified as estimated in the associated samples, blanks and spikes.

The %Rec of Pentachlorophenol was outside QC limits in 10549421CCV. ASP allows for up to four target analytes to be outside QC limits without further action.

GC/MS PERFORMANCE CHECK

All criteria were met.

PCB

The following items/criteria were reviewed for this analytical suite:

- Data Completeness
- Narrative and Data Reporting Forms
- Chain of Custody and Traffic Reports
- Holding Times
- Surrogate Spike Recoveries
- Method Blank
- Field Duplicate Precision
- Laboratory Control Samples
- MS/MSD/Duplicate
- Compound Quantitation
- Initial Calibration
- Continuing Calibration

The items listed above were technically in compliance with the method and SOP criteria with the exceptions discussed in the text below. The data have been reviewed according to the procedures outlined above and qualified accordingly.

OVERALL EVALUATION OF DATA AND POTENTIAL USABILITY ISSUES

The data are acceptable for use except where qualified below in Continuing Calibration.

DATA COMPLETENESS

All criteria were met.

NARRATIVE AND DATA REPORTING FORMS

All criteria were met.

CHAIN OF CUSTODY AND TRAFFIC REPORTS

All criteria were met.

HOLDING TIMES

All holding times were met.

SURROGATE SPIKE RECOVERIES

All criteria were met.

METHOD BLANK

All the criteria were met.

FIELD DUPLICATE SAMPLE PRECISION

All criteria were met.

LABORATORY CONTROL SAMPLES

All criteria were met.

MS/MSD/DUPLICATE

No MS/MSD was analyzed for these samples.

COMPOUND QUANTITATION

All criteria were met.

INITIAL CALIBRATION

All criteria were met.

CONTINUING CALIBRATION

All criteria were met except the %D of DCBP was outside QC limits off column 2 in 10069792CCV, 10069789CCV and 10069798CCV. The %D of TCMX was outside QC limits off column 2 in 10069789CCV, 10069786CCV, 10069798CCV and 10069778CCV. The %D of Aroclor 1016 peaks 1,4,5 was outside QC limits off column 1 in 10205691CCV. The %Rec of Aroclor 1016 peaks 1-5 was outside QC limits off column 1 in 10069782CCV and 10069777CCV. The %Rec of Aroclor 1254 peaks 1-3, 5 was outside QC limits off column 1 in 10069791CCV. The %Rec of Aroclor 1242 peaks 2-5 was outside QC limits off column 1 in 10069770CCV. These target analytes should be qualified as estimated in the associated samples, blanks and spikes off the associated column.

The %D of several peaks in the target analytes were outside QC limits, but within ASP because ASP requires three peaks to be compliant.

METALS

The following items/criteria were reviewed for this analytical suite:

- Data Completeness
- Narrative and Data Reporting Forms
- Chain of Custody and Traffic Reports
- Holding Times
- Blanks
- Laboratory Control Sample
- MS/MSD/Duplicate
- Field Duplicate

- Serial Dilution
- Compound Quantitation
- Calibration

The items listed above were technically in compliance with the method and SOP criteria with the exceptions discussed in the text below. The data have been reviewed according to the procedures outlined above.

OVERALL EVALUATION OF DATA AND POTENTIAL USABILITY ISSUES

The data are acceptable for use except where qualified below in Blanks, MS/MSD/Duplicate and Serial Dilution.

DATA COMPLETENESS

All criteria were met.

NARRATIVE AND DATA REPORTING FORMS

All criteria were met.

CHAIN OF CUSTODY AND TRAFFIC REPORTS

All criteria were met.

HOLDING TIMES

All holding times were met.

BLANKS

All criteria were met except Fe, Mn and V were detected above the MDL, below the reporting limit and is qualified as estimated in 293890BLANK. Cd, Tl and Zn were detected above the MDL, below the reporting limit and is qualified as estimated in ICB. Al, Sb, Ca, Fe and Zn were detected above the MDL, below the reporting limit and is qualified as estimated in CCB1. Ba, Ca, Fe, Mn, Zn and V were detected above the MDL, below the reporting limit and is qualified as estimated in CCB2. Ba, Ca, Mn, Na and Zn were detected above the MDL, below the reporting limit and is qualified as estimated in CCB3. Sb, Ba, Ca, Fe, Mn, K, V and Zn were detected above the MDL, below the reporting limit and is qualified as estimated in CCB4. Hg was detected above the MDL, below the reporting limit and is qualified as estimated in ICB, all of the CCB's and 293797BLANK. Associated samples in which these target analytes were detected above the MDL and below the reporting limit should be reported with the reporting limit and 'undetected'. Associated samples in which these target analytes were detected above the reporting limit should be qualified as estimated high.

LABORATORY CONTROL SAMPLE

All criteria were met.

MS/MSD/DUPLICATE

All criteria were met the RPD of Al was outside QC limits between GW 100 and GW 100DUP and should be qualified as estimated.

Co was detected in GW 100 but not GW 100DUP. Tl was detected in GW 100DUP but not GW 100.

FIELD DUPLICATE

No field duplicate was acquired.

SERIAL DILUTION

All criteria were met except the %D of Al, Ca, Cu, Fe, Mg, Ni, Na and Zn were outside QC limits in GW 100SD. These target analytes should be qualified as estimated in GW 100 and GW 100DUP.

COMPOUND QUANTITATION

All criteria were met.

CALIBRATION

All criteria were met.

Data Usability Summary Report

Vali-Data of WNY, LLC
1514 Davis Rd.
West Falls, NY 14170

Coyne Textile
Pace Analytical SDG#7048778
July 27, 2018
Reissued; August 10, 2018
Sampling date: 4/17/2018

Prepared by:
Jodi Zimmerman
Vali-Data of WNY, LLC
1514 Davis Rd.
West Falls, NY 14170

Coyne Textile
SDG# 7048778

DELIVERABLES

This Data Usability Summary Report (DUSR) was prepared by evaluating the analytical data package (reissued; August 10, 2018) for CHA, project located at Coyne Textile, Pace Analytical (Pace), SDG#7048778, submitted to Vali-Data of WNY, LLC on June 26, 2018. This DUSR has been prepared in general compliance with NYSDEC Analytical Services Protocols and USEPA National Functional Guidelines. The laboratory performed the analyses using USEPA methods Volatile Organics (8260C), Semi-Volatile Organics (8270D), PCB (8082A), Inorganics (200.7) and Mercury (7470A).

VOLATILE ORGANIC COMPOUNDS

The following items/criteria were reviewed for this analytical suite:

- Data Completeness
- Narrative and Data Reporting Forms
- Chain of Custody and Traffic Reports
- Holding Times
- Internal Standard (IS) Area Performance
- Surrogate Spike Recoveries
- Method Blank
- Field Duplicate Sample Precision
- Laboratory Control Samples
- MS/MSD/Duplicate
- Compound Quantitation
- Initial Calibration
- Continuing Calibration
- GC/MS Performance Check

The items listed above were technically in compliance with the method and SOP criteria with the exceptions discussed in the text below. The data have been reviewed according to the procedures outlined above and qualified accordingly.

OVERALL EVALUATION OF DATA AND POTENTIAL USABILITY ISSUES

The data are acceptable for use.

DATA COMPLETENESS

All criteria were met.

NARRATIVE AND DATA REPORTING FORMS

All criteria were met.

CHAIN OF CUSTODY AND TRAFFIC REPORTS

All criteria were met.

HOLDING TIMES

All holding times were met.

INTERNAL STANDARD (IS)

All criteria were met.

SURROGATE SPIKE RECOVERIES

All criteria were met.

METHOD BLANK

All the criteria were met.

FIELD DUPLICATE SAMPLE PRECISION

No field duplicate was acquired.

LABORATORY CONTROL SAMPLES

All criteria were met.

MS/MSD/DUPLICATE

No MS/MSD was performed on this sample.

COMPOUND QUANTITATION

All criteria were met.

INITIAL CALIBRATION

All criteria were met.

Alternate forms of regression were performed on all target analytes whose %RSD >20%, with acceptable results.

CONTINUING CALIBRATION

All criteria were met.

GC/MS PERFORMANCE CHECK

All criteria were met.

SEMIVOLATILE ORGANIC COMPOUNDS

The following items/criteria were reviewed for this analytical suite:

- Data Completeness
- Narrative and Data Reporting Forms
- Chain of Custody and Traffic Reports
- Holding Times
- Internal Standard (IS) Area Performance
- Surrogate Spike Recoveries
- Method Blank
- Field Duplicate Sample Precision
- Laboratory Control Samples
- MS/MSD/Duplicate
- Compound Quantitation
- Initial Calibration
- Continuing Calibration
- GC/MS Performance Check

The items listed above were technically in compliance with the method and SOP criteria with the exceptions discussed in the text below. The data have been reviewed according to the procedures outlined above and qualified accordingly.

OVERALL EVALUATION OF DATA AND POTENTIAL USABILITY ISSUES

The data are acceptable for use except where qualified below in Laboratory Control Samples and Continuing Calibration.

DATA COMPLETENESS

All criteria were met.

NARRATIVE AND DATA REPORTING FORMS

All criteria were met except the initial calibration performed on instrument 70MSS3 was recorded incorrectly for some of the target analytes in the initial package. Thus, several other results were off, including continuing calibration, MS/MSD and Laboratory Control samples. Updated pages are attached.

CHAIN OF CUSTODY AND TRAFFIC REPORTS

All criteria were met.

HOLDING TIMES

All holding times were met.

INTERNAL STANDARD (IS)

All criteria were met.

SURROGATE SPIKE RECOVERIES

All criteria were met.

METHOD BLANK

All the criteria were met.

FIELD DUPLICATE SAMPLE PRECISION

No field duplicate was acquired.

LABORATORY CONTROL SAMPLES

All criteria were met except the %Rec of 2,4-Dimethylphenol and 2,2'-Oxybis(1-chloropropane) was outside QC limits, low in 295295LCS. These target analytes should be qualified as estimated in the associated samples.

MS/MSD/DUPLICATE

No MS/MSD was performed on this sample.

COMPOUND QUANTITATION

All criteria were met.

INITIAL CALIBRATION

All criteria were met.

Alternate forms of regression were performed on all target analytes whose %RSD >20%, with acceptable results.

CONTINUING CALIBRATION

All criteria were met except the %D of Benzaldehyde and Hexachlorocyclopentadiene was outside ASP outer QC limits in 10663182CCV. The %Rec of Benzaldehyde, 2,2'-Oxybis(1-chloropropane) and Hexachlorocyclopentadiene was outside ASP outer QC limits in 10663330CCV. The %Rec of Pentachlorophenol and bis(2-chloroethyl)ether was outside QC limits in 10663330CCV. These target analytes should be qualified as estimated in the associated samples, blanks and spikes.

The %Rec of Pentachlorophenol was outside QC limits in 10663182CCV. ASP allows for up to four target analytes to be outside QC limits without further action.

GC/MS PERFORMANCE CHECK

All criteria were met.

PCB

The following items/criteria were reviewed for this analytical suite:

- Data Completeness
- Narrative and Data Reporting Forms
- Chain of Custody and Traffic Reports
- Holding Times
- Surrogate Spike Recoveries
- Method Blank
- Field Duplicate Precision
- Laboratory Control Samples
- MS/MSD/Duplicate
- Compound Quantitation
- Initial Calibration
- Continuing Calibration

The items listed above were technically in compliance with the method and SOP criteria with the exceptions discussed in the text below. The data have been reviewed according to the procedures outlined above and qualified accordingly.

OVERALL EVALUATION OF DATA AND POTENTIAL USABILITY ISSUES

The data are acceptable for use except where qualified below in Continuing Calibration.

DATA COMPLETENESS

All criteria were met.

NARRATIVE AND DATA REPORTING FORMS

All criteria were met.

CHAIN OF CUSTODY AND TRAFFIC REPORTS

All criteria were met.

HOLDING TIMES

All holding times were met.

SURROGATE SPIKE RECOVERIES

All criteria were met.

METHOD BLANK

All the criteria were met.

FIELD DUPLICATE SAMPLE PRECISION

All criteria were met.

LABORATORY CONTROL SAMPLES

All criteria were met.

MS/MSD/DUPLICATE

No MS/MSD was analyzed for this sample.

COMPOUND QUANTITATION

All criteria were met.

INITIAL CALIBRATION

All criteria were met.

CONTINUING CALIBRATION

All criteria were met except the %D of DCBP was outside QC limits off column 2 in 10069792CCV, 10069789CCV and 10069798CCV. The %D of TCMX was outside QC limits off column 2 in 10069789CCV, 10069786CCV, 10069797CCV, 10069798CCV, 10069791CCV and 10069778CCV. The %D of Aroclor 1016 peaks 1,4,5 was outside QC limits off column 1 in 10205691CCV. The %Rec of Aroclor 1016 peaks 1-5 was outside QC limits off column 1 in 10069782CCV and 140069777CCV. The %Rec of Aroclor 1254 peaks 1-3, 5 was outside QC limits off column 1 in 10069791CCV. The %Rec of Aroclor 1242 peaks 2-5 was outside QC limits off column 1 in 10069770CCV. These target analytes should be qualified as estimated in the associated samples, blanks and spikes off the associated column.

The %D of several peaks in the target analytes were outside QC limits, but within ASP because ASP requires three peaks to be compliant.

METALS

The following items/criteria were reviewed for this analytical suite:

- Data Completeness
- Narrative and Data Reporting Forms
- Chain of Custody and Traffic Reports
- Holding Times
- Blanks
- Laboratory Control Sample
- MS/MSD/Duplicate
- Field Duplicate
- Serial Dilution
- Compound Quantitation
- Calibration

The items listed above were technically in compliance with the method and SOP criteria with the exceptions discussed in the text below. The data have been reviewed according to the

procedures outlined above.

OVERALL EVALUATION OF DATA AND POTENTIAL USABILITY ISSUES

The data are acceptable for use except where qualified below in Blanks.

DATA COMPLETENESS

All criteria were met.

NARRATIVE AND DATA REPORTING FORMS

All criteria were met.

CHAIN OF CUSTODY AND TRAFFIC REPORTS

All criteria were met.

HOLDING TIMES

All holding times were met.

BLANKS

All criteria were met except Cd, Pb, Mn and Zn were detected above the MDL, below the reporting limit and is qualified as estimated in 294518BLANK. Tl and K were detected above the MDL, below the reporting limit and is qualified as estimated in ICB. K was detected above the MDL, below the reporting limit and is qualified as estimated in CCB1. Be, Pb and K were detected above the MDL, below the reporting limit and is qualified as estimated in CCB2. Co, Cu and K were detected above the MDL, below the reporting limit and is qualified as estimated in CCB3. Hg was detected above the MDL, below the reporting limit and is qualified as estimated in ICB and all of the CCB's. Associated samples in which these target analytes were detected above the MDL and below the reporting limit should be reported with the reporting limit and 'undetected'. Associated samples in which these target analytes were detected above the reporting limit should be qualified as estimated high.

LABORATORY CONTROL SAMPLE

All criteria were met.

MS/MSD/DUPLICATE

MS/MSD not analyzed for this sample.

FIELD DUPLICATE

No field duplicate was acquired.

SERIAL DILUTION

No serial dilution was performed.

COMPOUND QUANTITATION

All criteria were met.

CALIBRATION

All criteria were met.

Data Usability Summary Report

Vali-Data of WNY, LLC
1514 Davis Rd.
West Falls, NY 14170

Coyne Textile
Pace Analytical SDG#7048944
July 28, 2018
Reissued; August 17, 2018
Sampling date: 4/18/2018

Prepared by:
Jodi Zimmerman
Vali-Data of WNY, LLC
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West Falls, NY 14170

Coyne Textile
SDG# 7048944

DELIVERABLES

This Data Usability Summary Report (DUSR) was prepared by evaluating the analytical data package (reissued; August 17, 2018) for CHA, project located at Coyne Textile, Pace Analytical (Pace), SDG#7048944, submitted to Vali-Data of WNY, LLC on June 26, 2018. This DUSR has been prepared in general compliance with NYSDEC Analytical Services Protocols and USEPA National Functional Guidelines. The laboratory performed the analyses using USEPA methods Volatile Organics (8260C), Semi-Volatile Organics (8270D), PCB (8082A), Inorganics (200.7) and Mercury (7470A).

VOLATILE ORGANIC COMPOUNDS

The following items/criteria were reviewed for this analytical suite:

- Data Completeness
- Narrative and Data Reporting Forms
- Chain of Custody and Traffic Reports
- Holding Times
- Internal Standard (IS) Area Performance
- Surrogate Spike Recoveries
- Method Blank
- Field Duplicate Sample Precision
- Laboratory Control Samples
- MS/MSD/Duplicate
- Compound Quantitation
- Initial Calibration
- Continuing Calibration
- GC/MS Performance Check

The items listed above were technically in compliance with the method and SOP criteria with the exceptions discussed in the text below. The data have been reviewed according to the procedures outlined above and qualified accordingly.

OVERALL EVALUATION OF DATA AND POTENTIAL USABILITY ISSUES

The data are acceptable for use.

DATA COMPLETENESS

All criteria were met.

NARRATIVE AND DATA REPORTING FORMS

All criteria were met.

CHAIN OF CUSTODY AND TRAFFIC REPORTS

All criteria were met.

HOLDING TIMES

All holding times were met.

INTERNAL STANDARD (IS)

All criteria were met.

SURROGATE SPIKE RECOVERIES

All criteria were met.

METHOD BLANK

All the criteria were met.

FIELD DUPLICATE SAMPLE PRECISION

No field duplicate was acquired.

LABORATORY CONTROL SAMPLES

All criteria were met.

MS/MSD/DUPLICATE

All criteria were met except the %Rec of Bromomethane was outside QC limits in GW-100MS but within limits in GW-100MSD, so no further action is required. Acetone was detected in GW-100 but not in GW-DUP 100. Methyl tert butyl ether was detected in GW-DUP 100 but not in GW-100.

COMPOUND QUANTITATION

All criteria were met.

INITIAL CALIBRATION

All criteria were met.

Alternate forms of regression were performed on all target analytes whose %RSD >20%, with acceptable results.

CONTINUING CALIBRATION

All criteria were met.

GC/MS PERFORMANCE CHECK

All criteria were met.

SEMIVOLATILE ORGANIC COMPOUNDS

The following items/criteria were reviewed for this analytical suite:

- Data Completeness
- Narrative and Data Reporting Forms
- Chain of Custody and Traffic Reports
- Holding Times
- Internal Standard (IS) Area Performance
- Surrogate Spike Recoveries
- Method Blank
- Field Duplicate Sample Precision
- Laboratory Control Samples
- MS/MSD/Duplicate
- Compound Quantitation
- Initial Calibration
- Continuing Calibration
- GC/MS Performance Check

The items listed above were technically in compliance with the method and SOP criteria with the exceptions discussed in the text below. The data have been reviewed according to the procedures outlined above and qualified accordingly.

OVERALL EVALUATION OF DATA AND POTENTIAL USABILITY ISSUES

The data are acceptable for use except where qualified below in Laboratory Control Samples.

DATA COMPLETENESS

All criteria were met.

NARRATIVE AND DATA REPORTING FORMS

All criteria were met.

CHAIN OF CUSTODY AND TRAFFIC REPORTS

All criteria were met.

HOLDING TIMES

All holding times were met.

INTERNAL STANDARD (IS)

All criteria were met.

SURROGATE SPIKE RECOVERIES

All criteria were met.

METHOD BLANK

All the criteria were met.

FIELD DUPLICATE SAMPLE PRECISION

No field duplicate was acquired.

LABORATORY CONTROL SAMPLES

All criteria were met except the %Rec of 2,4-Dimethylphenol was outside QC limits, low in 296238LCS. This target analyte should be qualified as estimated in the associated samples.

MS/MSD/DUPLICATE

No MS/MSD was performed on this sample.

COMPOUND QUANTITATION

All criteria were met.

INITIAL CALIBRATION

All criteria were met.

Alternate forms of regression were performed on all target analytes whose %RSD >20%, with acceptable results.

CONTINUING CALIBRATION

All criteria were met.

GC/MS PERFORMANCE CHECK

All criteria were met.

PCB

The following items/criteria were reviewed for this analytical suite:

- Data Completeness
- Narrative and Data Reporting Forms
- Chain of Custody and Traffic Reports
- Holding Times
- Surrogate Spike Recoveries
- Method Blank
- Field Duplicate Precision
- Laboratory Control Samples
- MS/MSD/Duplicate
- Compound Quantitation
- Initial Calibration
- Continuing Calibration

The items listed above were technically in compliance with the method and SOP criteria with the exceptions discussed in the text below. The data have been reviewed according to the procedures outlined above and qualified accordingly.

OVERALL EVALUATION OF DATA AND POTENTIAL USABILITY ISSUES

The data are acceptable for use except where qualified below in Continuing Calibration.

DATA COMPLETENESS

All criteria were met.

NARRATIVE AND DATA REPORTING FORMS

All criteria were met.

CHAIN OF CUSTODY AND TRAFFIC REPORTS

All criteria were met.

HOLDING TIMES

All holding times were met.

SURROGATE SPIKE RECOVERIES

All criteria were met.

METHOD BLANK

All the criteria were met.

FIELD DUPLICATE SAMPLE PRECISION

All criteria were met.

LABORATORY CONTROL SAMPLES

All criteria were met.

MS/MSD/DUPLICATE

All criteria were met.

COMPOUND QUANTITATION

All criteria were met.

INITIAL CALIBRATION

All criteria were met.

CONTINUING CALIBRATION

All criteria were met except the %D of TCMX was outside QC limits off column 2 in 10208968CCV. This surrogate should be qualified as estimated in the associated samples, blanks and spikes off the associated column.

The %D of several peaks in the target analytes were outside QC limits, but within ASP because ASP requires three peaks to be compliant.

METALS

The following items/criteria were reviewed for this analytical suite:

- Data Completeness
- Narrative and Data Reporting Forms
- Chain of Custody and Traffic Reports
- Holding Times
- Blanks
- Laboratory Control Sample
- MS/MSD/Duplicate
- Field Duplicate
- Serial Dilution
- Compound Quantitation
- Calibration

The items listed above were technically in compliance with the method and SOP criteria with the exceptions discussed in the text below. The data have been reviewed according to the procedures outlined above.

OVERALL EVALUATION OF DATA AND POTENTIAL USABILITY ISSUES

The data are acceptable for use except where qualified below in Blanks, MS/MSD/Duplicate and Serial Dilution.

DATA COMPLETENESS

All criteria were met except the raw data for Hg was not included in the reissued report. Those pages are attached.

NARRATIVE AND DATA REPORTING FORMS

All criteria were met.

CHAIN OF CUSTODY AND TRAFFIC REPORTS

All criteria were met.

HOLDING TIMES

All holding times were met.

BLANKS

All criteria were met except Cd was detected above the MDL, below the reporting limit and is qualified as estimated in 295533BLANK. As, Ba, Be, Ca, Cr, Mn, Ni, K and Tl were detected

above the MDL, below the reporting limit and is qualified as estimated in ICB. As, Ba, Ca, Fe, Ni, K, Se, Tl and V were detected above the MDL, below the reporting limit and is qualified as estimated in CCB1. Sb, Ba, Cd, Cr, Co, K and Na were detected above the MDL, below the reporting limit and is qualified as estimated in CCB2. Sb, Ba, Cd, Cr, Mg and K were detected above the MDL, below the reporting limit and is qualified as estimated in CCB3. Ba, Co, Cr, Ni, K, Tl, V and Zn were detected above the MDL, below the reporting limit and is qualified as estimated in CCB4. Hg was detected above the MDL, below the reporting limit and is qualified as estimated in ICB and all of the CCB's. Associated samples in which these target analytes were detected above the MDL and below the reporting limit should be reported with the reporting limit and 'undetected'. Associated samples in which these target analytes were detected above the reporting limit should be qualified as estimated high.

Se was detected above the MDL, below the reporting limit and is qualified as estimated in ICB. Sb, Ba, Ca, Cr, Mg, Se and Zn were detected above the MDL, below the reporting limit and is qualified as estimated in CCB1. As, Cd, Na, Tl and Zn were detected above the MDL, below the reporting limit and is qualified as estimated in CCB2. Associated samples in which these target analytes were detected above the MDL and below the reporting limit should be reported with the reporting limit and 'undetected'. Associated samples in which these target analytes were detected above the reporting limit should be qualified as estimated high.

LABORATORY CONTROL SAMPLE

All criteria were met.

MS/MSD/DUPLICATE

All criteria were met except the %Rec of Ag was outside QC limits, low in GW-100MS and the post digest spike. This target analyte should be qualified as estimated low if detected in GW-100, GW-100DUP and GW-100MS. This target analytes should be qualified as estimated if not detected in GW-100.

The %Rec of Hg in GW-100MS took into account the concentration of GW-100, even though it was detected below the method detection limit. The %Rec of Hg in GW-100MS should be recorded as 115%.

FIELD DUPLICATE

No field duplicate was acquired.

SERIAL DILUTION

All criteria were met except the %D of Al, Ca, Fe, Mg and Na were outside QC limits in GW-100SD. These target analytes should be qualified as estimated in GW-100 and GW-100DUP.

COMPOUND QUANTITATION

All criteria were met.

CALIBRATION

All criteria were met.

Data Usability Summary Report

Vali-Data of WNY, LLC
1514 Davis Rd.
West Falls, NY 14170

Coyne Textile
Pace Analytical SDG#7049098
July 29, 2018
Reissued; August 16, 2018
Sampling date: 4/19/2018

Prepared by:
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Coyne Textile
SDG# 7049098

DELIVERABLES

This Data Usability Summary Report (DUSR) was prepared by evaluating the analytical data package (reissued; August 16, 2018) for CHA, project located at Coyne Textile, Pace Analytical (Pace), SDG#7049098, submitted to Vali-Data of WNY, LLC on June 26, 2018. This DUSR has been prepared in general compliance with NYSDEC Analytical Services Protocols and USEPA National Functional Guidelines. The laboratory performed the analyses using USEPA methods Volatile Organics (8260C), Semi-Volatile Organics (8270D), PCB (8082A), Inorganics (200.7), Mercury (7470A) and in accordance with general chemistry methods.

VOLATILE ORGANIC COMPOUNDS

The following items/criteria were reviewed for this analytical suite:

- Data Completeness
- Narrative and Data Reporting Forms
- Chain of Custody and Traffic Reports
- Holding Times
- Internal Standard (IS) Area Performance
- Surrogate Spike Recoveries
- Method Blank
- Field Duplicate Sample Precision
- Laboratory Control Samples
- MS/MSD/Duplicate
- Compound Quantitation
- Initial Calibration
- Continuing Calibration
- GC/MS Performance Check

The items listed above were technically in compliance with the method and SOP criteria with the exceptions discussed in the text below. The data have been reviewed according to the procedures outlined above and qualified accordingly.

OVERALL EVALUATION OF DATA AND POTENTIAL USABILITY ISSUES

The data are acceptable for use except where qualified below in Surrogate Spike Recoveries and Laboratory Control Samples.

DATA COMPLETENESS

All criteria were met.

NARRATIVE AND DATA REPORTING FORMS

All criteria were met.

CHAIN OF CUSTODY AND TRAFFIC REPORTS

All criteria were met.

HOLDING TIMES

All holding times were met.

INTERNAL STANDARD (IS)

All criteria were met.

SURROGATE SPIKE RECOVERIES

All criteria were met except the %Rec of 4-Bromofluorobenzene was outside QC limits, high in GW-WC 100. Associated target analytes detected in this sample should be qualified as estimated.

METHOD BLANK

All the criteria were met.

FIELD DUPLICATE SAMPLE PRECISION

No field duplicate was acquired.

LABORATORY CONTROL SAMPLES

All criteria were met except the %Rec of 1,1-Dichloroethane was outside QC limits, low in 296087LCS. This target analyte should be qualified as estimated in the associated samples.

MS/MSD/DUPLICATE

No MS/MSD was analyzed for these samples.

COMPOUND QUANTITATION

All criteria were met.

INITIAL CALIBRATION

All criteria were met.

Alternate forms of regression were performed on all target analytes whose %RSD >20%, with acceptable results.

CONTINUING CALIBRATION

All criteria were met.

GC/MS PERFORMANCE CHECK

All criteria were met.

SEMIVOLATILE ORGANIC COMPOUNDS

The following items/criteria were reviewed for this analytical suite:

- Data Completeness
- Narrative and Data Reporting Forms
- Chain of Custody and Traffic Reports
- Holding Times
- Internal Standard (IS) Area Performance
- Surrogate Spike Recoveries
- Method Blank
- Field Duplicate Sample Precision
- Laboratory Control Samples
- MS/MSD/Duplicate
- Compound Quantitation
- Initial Calibration
- Continuing Calibration
- GC/MS Performance Check

The items listed above were technically in compliance with the method and SOP criteria with the exceptions discussed in the text below. The data have been reviewed according to the procedures outlined above and qualified accordingly.

OVERALL EVALUATION OF DATA AND POTENTIAL USABILITY ISSUES

The data are acceptable for use.

DATA COMPLETENESS

All criteria were met.

NARRATIVE AND DATA REPORTING FORMS

All criteria were met.

CHAIN OF CUSTODY AND TRAFFIC REPORTS

All criteria were met.

HOLDING TIMES

All holding times were met.

INTERNAL STANDARD (IS)

All criteria were met.

SURROGATE SPIKE RECOVERIES

All criteria were met.

METHOD BLANK

All the criteria were met.

FIELD DUPLICATE SAMPLE PRECISION

No field duplicate was acquired.

LABORATORY CONTROL SAMPLES

All criteria were met.

MS/MSD/DUPLICATE

No MS/MSD was performed on these samples.

COMPOUND QUANTITATION

All criteria were met.

INITIAL CALIBRATION

All criteria were met.

Alternate forms of regression were performed on all target analytes whose %RSD >20%, with acceptable results.

CONTINUING CALIBRATION

All criteria were met.

GC/MS PERFORMANCE CHECK

All criteria were met.

PESTICIDES

The following items/criteria were reviewed for this analytical suite:

- Data Completeness
- Narrative and Data Reporting Forms
- Chain of Custody and Traffic Reports
- Holding Times
- Surrogate Spike Recoveries
- Method Blank
- Field Duplicate Precision
- Laboratory Control Samples
- MS/MSD/Duplicate
- Compound Quantitation
- Initial Calibration
- Continuing Calibration

The items listed above were technically in compliance with the method and SOP criteria with the exceptions discussed in the text below. The data have been reviewed according to the procedures outlined above and qualified accordingly.

OVERALL EVALUATION OF DATA AND POTENTIAL USABILITY ISSUES

The data are acceptable for use.

DATA COMPLETENESS

All criteria were met.

NARRATIVE AND DATA REPORTING FORMS

All criteria were met.

CHAIN OF CUSTODY AND TRAFFIC REPORTS

All criteria were met.

HOLDING TIMES

All holding times were met.

SURROGATE SPIKE RECOVERIES

All criteria were met.

METHOD BLANK

All the criteria were met.

FIELD DUPLICATE SAMPLE PRECISION

All criteria were met.

LABORATORY CONTROL SAMPLES

All criteria were met.

MS/MSD/DUPLICATE

No MS/MSD was performed on these samples.

COMPOUND QUANTITATION

All criteria were met.

INITIAL CALIBRATION

All criteria were met.

CONTINUING CALIBRATION

All criteria were met.

PCB

The following items/criteria were reviewed for this analytical suite:

- Data Completeness
- Narrative and Data Reporting Forms
- Chain of Custody and Traffic Reports
- Holding Times
- Surrogate Spike Recoveries
- Method Blank
- Field Duplicate Precision
- Laboratory Control Samples
- MS/MSD/Duplicate
- Compound Quantitation
- Initial Calibration
- Continuing Calibration

The items listed above were technically in compliance with the method and SOP criteria with the exceptions discussed in the text below. The data have been reviewed according to the procedures outlined above and qualified accordingly.

OVERALL EVALUATION OF DATA AND POTENTIAL USABILITY ISSUES

The data are acceptable for use except where qualified below in Continuing Calibration.

DATA COMPLETENESS

All criteria were met.

NARRATIVE AND DATA REPORTING FORMS

All criteria were met.

CHAIN OF CUSTODY AND TRAFFIC REPORTS

All criteria were met.

HOLDING TIMES

All holding times were met.

SURROGATE SPIKE RECOVERIES

All criteria were met.

METHOD BLANK

All the criteria were met.

FIELD DUPLICATE SAMPLE PRECISION

All criteria were met.

LABORATORY CONTROL SAMPLES

All criteria were met.

MS/MSD/DUPLICATE

No MS/MSD was performed on these samples.

COMPOUND QUANTITATION

All criteria were met.

INITIAL CALIBRATION

All criteria were met.

CONTINUING CALIBRATION

All criteria were met except the %D of TCMX was outside QC limits off column 2 in 10208968CCV and 1085092CCV. This surrogate should be qualified as estimated in the associated samples, blanks and spikes off the associated column.

The %D of several peaks in the target analytes were outside QC limits, but within ASP because ASP requires three peaks to be compliant.

METALS

The following items/criteria were reviewed for this analytical suite:

- Data Completeness
- Narrative and Data Reporting Forms
- Chain of Custody and Traffic Reports
- Holding Times
- Blanks
- Laboratory Control Sample
- MS/MSD/Duplicate
- Field Duplicate
- Serial Dilution
- Compound Quantitation
- Calibration

The items listed above were technically in compliance with the method and SOP criteria with the exceptions discussed in the text below. The data have been reviewed according to the procedures outlined above.

OVERALL EVALUATION OF DATA AND POTENTIAL USABILITY ISSUES

The data are acceptable for use except where qualified below in Blanks.

DATA COMPLETENESS

All criteria were met except the Hg raw data was not included in the reissued report. Those pages are attached.

NARRATIVE AND DATA REPORTING FORMS

All criteria were met.

CHAIN OF CUSTODY AND TRAFFIC REPORTS

All criteria were met.

HOLDING TIMES

All holding times were met.

BLANKS

All criteria were met except Sb, Cd, Pb, Na and Zn were detected above the MDL, below the reporting limit and is qualified as estimated in 295645BLANK. Al and K were detected above the MDL, below the reporting limit and is qualified as estimated in ICB. Sb, Ni and K were detected above the MDL, below the reporting limit and is qualified as estimated in CCB1. K was detected above the MDL, below the reporting limit and is qualified as estimated in CCB2. Sb, As, Na and K were detected above the MDL, below the reporting limit and is qualified as estimated in CCB3. Ba, K and Na were detected above the MDL, below the reporting limit and is qualified as estimated in CCB4. Ca and K were detected above the MDL, below the reporting limit and is qualified as estimated in CCB5. Hg was detected above the MDL, below the reporting limit and is qualified as estimated in ICB and all of the CCB's. Associated samples in which these target analytes were detected above the MDL and below the reporting limit should be reported with the reporting limit and 'undetected'. Associated samples in which these target analytes were detected above the reporting limit should be qualified as estimated high.

LABORATORY CONTROL SAMPLE

All criteria were met.

MS/MSD/DUPLICATE

No MS/MSD was performed on these samples.

FIELD DUPLICATE

No field duplicate was acquired.

SERIAL DILUTION

No Serial Dilution was performed.

COMPOUND QUANTITATION

All criteria were met.

CALIBRATION

All criteria were met.

GENERAL CHEMISTRY

The following items/criteria were reviewed for this analytical suite:

- Corrosivity-pH

The items listed above were technically in compliance with the method and SOP criteria with any exceptions discussed in the text below. The data have been reviewed according to the procedures outlined above.

CORROSIVITY-pH

All criteria were met.

?? no EDD data found

??Corrosivity-pH was analyzed 15 minutes outside hold time for GW-WC 100 and GW-WC 101.

Data Usability Summary Report

Vali-Data of WNY, LLC
1514 Davis Rd.
West Falls, NY 14170

Coyne Textile
Pace Analytical #7049109
July 30, 2018
Reissued; August 8, 2018
Sampling date: 4/18/2018

Prepared by

Jodi Zimmerman, B.S.
Vali-Data of WNY, LLC
1514 Davis Rd.
West Falls, NY 14170

Coyne Textile
#7049109

DELIVERABLES

This Data Usability Summary Report (DUSR) was prepared by evaluating the analytical data package (original and reissued, August 8, 2018) for CHA, Coyne Textile #7049109, Pace Analytical, Project SDG ID#7049109, submitted to Vali-Data of WNY, LLC on June 26, 2018. This DUSR has been prepared in general compliance with NYSDEC Analytical Services Protocol (ASP) and USEPA National Functional Guidelines (NFG). The laboratory performed the analysis using Compendium of Methods for the Determination of Toxic Organic Compounds, Compendium Method TO-15, January 1999.

VOLATILE ORGANIC COMPOUND

The following items/criteria were reviewed for this report:

- Data Completeness
- Narrative and Data Reporting Forms
- Chain-of-Custody and Traffic Reports
- Holding Times
- Internal Standard (IS) Area Performance
- Surrogate Recovery
- Method Blank
- Trip Blank
- Field Duplicate Sample Precision
- Laboratory Control Samples
- MS/MSD/Duplicate
- Compound Quantitation
- Initial Calibration
- Continuing Calibration
- GC/MS Tuning
- Canister Certification Blanks

The items listed above were technically in compliance with the method and SOP criteria with the exceptions discussed in the text below. The data have been reviewed according to the procedures outlined above and qualified accordingly.

OVERALL EVALUATION OF DATA AND POTENTIAL USABILITY ISSUES

The data are acceptable for use but are qualified below in Laboratory Control Samples and MS/MSD/Duplicate.

DATA COMPLETENESS

All criteria were met.

NARRATIVE AND DATA REPORTING FORMS

All criteria were met except data was not reported to 3 significant figures. This does not affect the usability of the data.

CHAIN OF CUSTODY AND TRAFFIC REPORTS

All criteria were met.

HOLDING TIMES

All criteria were met.

INTERNAL STANDARD (IS)

All criteria were met.

SURROGATE RECOVERY

Surrogate recovery was not evaluated.

METHOD BLANK

All criteria were met.

TRIP BLANKS

No trip blank was acquired.

FIELD DUPLICATE SAMPLE PRECISION

No field duplicate was acquired.

LABORATORY CONTROL SAMPLES

All criteria were met except the %Rec of Ethanol was outside QC limits high in LCS2904147 and should be qualified as estimated high in the associated samples in which it was detected.

MS/MSD/DUPLICATE

No MS/MSD was acquired.

Chloromethane and 1,2,4-Trimethylbenzene were detected in SVP OA100 but not SVP OA100DUP.

Cyclohexane was detected in SVP 100DUP but not in SVP 100. Dichlorodifluoromethane and Methylene Chloride were detected in SVP100 but not in SVP 100DUP.

The RPD of Ethyl benzene was outside QC limits between SVP 100 and SVP 100DUP and should be qualified as estimated.

COMPOUND QUANTITATION

All criteria were met.

INITIAL CALIBRATION

All criteria were met.

Alternate forms of regression were used on target analytes in which the %RSD>20%, with acceptable results.

CONTINUING CALIBRATION

All criteria were met.

GC/MS TUNING

All criteria were met.

CANISTER CERTIFICATION BLANKS

All criteria were met.

Data Usability Summary Report

Vali-Data of WNY, LLC
1514 Davis Rd.
West Falls, NY 14170

Coyne Textile
Pace Analytical SDG#7049200
July 31, 2018
Reissued; August 15, 2018
Sampling date: 4/20/2018

Prepared by:
Jodi Zimmerman
Vali-Data of WNY, LLC
1514 Davis Rd.
West Falls, NY 14170

Coyne Textile
SDG# 7049200

DELIVERABLES

This Data Usability Summary Report (DUSR) was prepared by evaluating the analytical data package (reissued; August 15, 2018) for CHA, project located at Coyne Textile, Pace Analytical (Pace), SDG#7049200, submitted to Vali-Data of WNY, LLC on June 26, 2018. This DUSR has been prepared in general compliance with NYSDEC Analytical Services Protocols and USEPA National Functional Guidelines. The laboratory performed the analyses using USEPA methods Volatile Organics (8260C), Semi-Volatile Organics (8270D), PCB (8082A), Inorganics (6010C) and Mercury (7471B).

VOLATILE ORGANIC COMPOUNDS

The following items/criteria were reviewed for this analytical suite:

- Data Completeness
- Narrative and Data Reporting Forms
- Chain of Custody and Traffic Reports
- Holding Times
- Internal Standard (IS) Area Performance
- Surrogate Spike Recoveries
- Method Blank
- Field Duplicate Sample Precision
- Laboratory Control Samples
- MS/MSD/Duplicate
- Compound Quantitation
- Initial Calibration
- Continuing Calibration
- GC/MS Performance Check

The items listed above were technically in compliance with the method and SOP criteria with the exceptions discussed in the text below. The data have been reviewed according to the procedures outlined above and qualified accordingly.

OVERALL EVALUATION OF DATA AND POTENTIAL USABILITY ISSUES

The data are acceptable for use except where qualified below in Continuing Calibration.

DATA COMPLETENESS

All criteria were met.

NARRATIVE AND DATA REPORTING FORMS

All criteria were met.

CHAIN OF CUSTODY AND TRAFFIC REPORTS

All criteria were met.

HOLDING TIMES

All holding times were met.

INTERNAL STANDARD (IS)

All criteria were met.

SURROGATE SPIKE RECOVERIES

All criteria were met.

METHOD BLANK

All the criteria were met.

FIELD DUPLICATE SAMPLE PRECISION

No field duplicate was acquired.

LABORATORY CONTROL SAMPLES

All criteria were met.

MS/MSD/DUPLICATE

All criteria were met.

COMPOUND QUANTITATION

All criteria were met.

INITIAL CALIBRATION

All criteria were met.

Alternate forms of regression were performed on all target analytes whose %RSD >20%, with acceptable results.

CONTINUING CALIBRATION

All criteria were met except the %D of Acetone was outside outer ASP QC limits in the continuing calibration and should be qualified as estimated in the blank, spikes and sample. The %D of Bromomethane was outside QC limits in the continuing calibration. ASP allows for up to two target analytes to be outside QC limits without further action.

GC/MS PERFORMANCE CHECK

All criteria were met.

SEMIVOLATILE ORGANIC COMPOUNDS

The following items/criteria were reviewed for this analytical suite:

- Data Completeness
- Narrative and Data Reporting Forms
- Chain of Custody and Traffic Reports
- Holding Times
- Internal Standard (IS) Area Performance
- Surrogate Spike Recoveries
- Method Blank
- Field Duplicate Sample Precision
- Laboratory Control Samples
- MS/MSD/Duplicate
- Compound Quantitation
- Initial Calibration
- Continuing Calibration
- GC/MS Performance Check

The items listed above were technically in compliance with the method and SOP criteria with the exceptions discussed in the text below. The data have been reviewed according to the procedures outlined above and qualified accordingly.

OVERALL EVALUATION OF DATA AND POTENTIAL USABILITY ISSUES

The data are acceptable for use except where qualified below in Laboratory Control Samples and Continuing Calibration.

DATA COMPLETENESS

All criteria were met.

NARRATIVE AND DATA REPORTING FORMS

All criteria were met.

CHAIN OF CUSTODY AND TRAFFIC REPORTS

All criteria were met.

HOLDING TIMES

All holding times were met.

INTERNAL STANDARD (IS)

All criteria were met.

SURROGATE SPIKE RECOVERIES

All criteria were met.

METHOD BLANK

All the criteria were met.

FIELD DUPLICATE SAMPLE PRECISION

No field duplicate was acquired.

LABORATORY CONTROL SAMPLES

All criteria were met except the %Rec of Benzaldehyde, Butylbenzylphthalate, 4,6-Dinitro-2-methylphenol, 4-Nitroaniline and Bis(2-ethylhexyl)phthalate was outside QC limits, low in 296135LCS. These target analytes should be qualified as estimated in the associated samples.

MS/MSD/DUPLICATE

No MS/MSD was analyzed for this sample.

COMPOUND QUANTITATION

All criteria were met.

INITIAL CALIBRATION

All criteria were met.

Alternate forms of regression were performed on all target analytes whose %RSD >20%, with acceptable results.

CONTINUING CALIBRATION

All criteria were met except the %D of Benzaldehyde and Hexachlorocyclopentadiene was outside ASP outer QC limits in 10549421CCV. These target analytes should be qualified as estimated in the associated samples, blanks and spikes.

GC/MS PERFORMANCE CHECK

All criteria were met.

PCB

The following items/criteria were reviewed for this analytical suite:

- Data Completeness
- Narrative and Data Reporting Forms
- Chain of Custody and Traffic Reports
- Holding Times
- Surrogate Spike Recoveries
- Method Blank
- Field Duplicate Precision
- Laboratory Control Samples
- MS/MSD/Duplicate

- Compound Quantitation
- Initial Calibration
- Continuing Calibration

The items listed above were technically in compliance with the method and SOP criteria with the exceptions discussed in the text below. The data have been reviewed according to the procedures outlined above and qualified accordingly.

OVERALL EVALUATION OF DATA AND POTENTIAL USABILITY ISSUES

The data are acceptable for use except where qualified below in Continuing Calibration.

DATA COMPLETENESS

All criteria were met.

NARRATIVE AND DATA REPORTING FORMS

All criteria were met.

CHAIN OF CUSTODY AND TRAFFIC REPORTS

All criteria were met.

HOLDING TIMES

All holding times were met.

SURROGATE SPIKE RECOVERIES

All criteria were met.

METHOD BLANK

All the criteria were met.

FIELD DUPLICATE SAMPLE PRECISION

All criteria were met.

LABORATORY CONTROL SAMPLES

All criteria were met.

MS/MSD/DUPLICATE

No MS/MSD was analyzed for this sample.

COMPOUND QUANTITATION

All criteria were met.

INITIAL CALIBRATION

All criteria were met.

CONTINUING CALIBRATION

All criteria were met except the %D of DCBP was outside QC limits off column 2 in 10092403CCV. This target analyte should be qualified as estimated in the associated samples, blanks and spikes off the associated column.

The %D of several peaks in the target analytes were outside QC limits, but within ASP because ASP requires three peaks to be compliant.

METALS

The following items/criteria were reviewed for this analytical suite:

- Data Completeness
- Narrative and Data Reporting Forms
- Chain of Custody and Traffic Reports
- Holding Times
- Blanks
- Laboratory Control Sample
- MS/MSD/Duplicate
- Field Duplicate
- Serial Dilution
- Compound Quantitation
- Calibration

The items listed above were technically in compliance with the method and SOP criteria with the exceptions discussed in the text below. The data have been reviewed according to the procedures outlined above.

OVERALL EVALUATION OF DATA AND POTENTIAL USABILITY ISSUES

The data are acceptable for use except where qualified below in Blanks, MS/MSD/Duplicate and Serial Dilution

DATA COMPLETENESS

All criteria were met.

NARRATIVE AND DATA REPORTING FORMS

All criteria were met.

CHAIN OF CUSTODY AND TRAFFIC REPORTS

All criteria were met.

HOLDING TIMES

All holding times were met.

BLANKS

All criteria were met except Ca, Cr, Fe, Mn, Ag and Zn were detected above the MDL, below the reporting limit and is qualified as estimated in 296148BLANK. Al, Be, Cd, Co, Fe, Se and V were detected above the MDL, below the reporting limit and is qualified as estimated in ICB. Al, Sb, Ba, Cd, Co, Fe, Mg, Zn and Tl were detected above the MDL, below the reporting limit and is qualified as estimated in CCB1. Al, Sb, As, Be, Cd, Ca, Fe, Se and V were detected above the MDL, below the reporting limit and is qualified as estimated in CCB2. Al, Sb, Fe and Mg were detected above the MDL, below the reporting limit and is qualified as estimated in CCB3. Hg was detected above the MDL, below the reporting limit and is qualified as estimated in ICB and all of the CCB's. Associated samples in which these target analytes were detected above the MDL and below the reporting limit should be reported with the reporting limit and 'undetected'. Associated samples in which these target analytes were detected above the reporting limit should be qualified as estimated high.

LABORATORY CONTROL SAMPLE

All criteria were met.

MS/MSD/DUPLICATE

All criteria were met except the %Rec of Ca and Mg was outside QC limits, high in SOIL-107MS and the post digest spike. These target analytes should be qualified as estimated high in SOIL-107, SOIL-107DUP and SOIL-107MS, if detected. The %Rec of Ag was outside QC limits, high in SOIL-107MS and outside, low in the post digest spike. This target analyte should be qualified as estimated in SOIL-107, SOIL-107DUP and SOIL-107MS, if detected.

The %Rec of Cu and Ni was outside QC limits, low in SOIL-107MS. These target analytes should be qualified as estimated in SOIL-107, SOIL-107DUP and SOIL-107MS.

The RPD of Ca and Cu was outside QC limits between SOIL-107 and SOIL-107DUP and should be qualified as estimated.

FIELD DUPLICATE

No field duplicate was acquired.

SERIAL DILUTION

All criteria were met except the %D of Al, Ba, Ca, Cr, Cu, Fe, Mg, Mn, V, As, K and Zn were outside QC limits in SOIL-107SD. These target analytes should be qualified as estimated in SOIL-107 and SOIL-107DUP.

COMPOUND QUANTITATION

All criteria were met.

CALIBRATION

All criteria were met.

Data Usability Summary Report

Vali-Data of WNY, LLC
1514 Davis Rd.
West Falls, NY 14170

Coyne Textile
TestAmerica, Inc. SDG#480-134733-1, 480-137434-1
July 28, 2018
Sampling date: 4/19/2018

Prepared by:
Jodi Zimmerman
Vali-Data of WNY, LLC
1514 Davis Rd.
West Falls, NY 14170

Coyne Textile
SDG# 480-134733-1, 480-134734-1

DELIVERABLES

This Data Usability Summary Report (DUSR) was prepared by evaluating the analytical data package for CHA, project located at Coyne Textile, TestAmerica, Inc. (TestAmerica), SDG#480-134733-1, 480-134734-1, submitted to Vali-Data of WNY, LLC on June 26, 2018. This DUSR has been prepared in general compliance with NYSDEC Analytical Services Protocols and USEPA National Functional Guidelines. The laboratory performed the analysis using USEPA methods SVOC SIM (8270D) and Perfluorinated Hydrocarbons (537 modified).

SEMIVOLATILE ORGANIC COMPOUNDS

The following items/criteria were reviewed for this analytical suite:

- Data Completeness
- Narrative and Data Reporting Forms
- Chain of Custody and Traffic Reports
- Holding Times
- Internal Standard (IS) Area Performance
- Surrogate Spike Recoveries
- Method Blank
- Field Duplicate Sample Precision
- Laboratory Control Samples
- MS/MSD/Duplicate
- Compound Quantitation
- Initial Calibration
- Continuing Calibration
- GC/MS Performance Check

The items listed above were technically in compliance with the method and SOP criteria with the exceptions discussed in the text below. The data have been reviewed according to the procedures outlined above and qualified accordingly.

OVERALL EVALUATION OF DATA AND POTENTIAL USABILITY ISSUES

The data are acceptable for use.

1,4-Dioxane was qualified with an 'E' in GW 103D but the actual concentration was within limits, so no further action is required.

DATA COMPLETENESS

All criteria were met.

NARRATIVE AND DATA REPORTING FORMS

All criteria were met.

CHAIN OF CUSTODY AND TRAFFIC REPORTS

All criteria were met.

HOLDING TIMES

All holding times were met.

INTERNAL STANDARD (IS)

All criteria were met.

SURROGATE SPIKE RECOVERIES

All criteria were met.

METHOD BLANK

All the criteria were met.

FIELD DUPLICATE SAMPLE PRECISION

No field duplicate was acquired.

LABORATORY CONTROL SAMPLES

All criteria were met.

MS/MSD/DUPLICATE

No MS/MSD was performed on these samples.

COMPOUND QUANTITATION

All criteria were met.

INITIAL CALIBRATION

All criteria were met.

CONTINUING CALIBRATION

All criteria were met.

GC/MS PERFORMANCE CHECK

All criteria were met.

PFC IDA

The following items/criteria were reviewed for this analytical suite:

- Data Completeness
- Narrative and Data Reporting Forms
- Chain of Custody and Traffic Reports
- Holding Times
- Internal Standard
- Isotope Dilution Recoveries
- Method Blank
- Laboratory Control Samples
- MS/MSD
- Compound Quantitation
- Initial Calibration
- Continuing Calibration

The items listed above were technically in compliance with the method and SOP criteria with the exceptions discussed in the text below. The data have been reviewed according to the procedures outlined above and qualified accordingly.

OVERALL EVALUATION OF DATA AND POTENTIAL USABILITY ISSUES

The data are acceptable for use except where qualified below in Internal Standard, Isotope Dilution Recoveries and Method Blank.

DATA COMPLETENESS

All criteria were met.

NARRATIVE AND DATA REPORTING FORMS

All criteria were met.

CHAIN OF CUSTODY AND TRAFFIC REPORTS

All criteria were met.

HOLDING TIMES

All holding times were met except the temperature of the sample arrived at TestAmerica outside QC limits, but it was above 0°C, so no further action is required.

INTERNAL STANDARD

All criteria were met except the area of 13C2-PFOA was outside QC limits low in GW 103D DL. Associated surrogate recoveries/isotope dilution recoveries in this sample should be qualified as estimated high.

ISOTOPE DILUTION RECOVERIES

All criteria were met except the %Rec of M262FTS was outside QC limits high in GW 104 and GW 103D. The %Rec of M282FTS was outside QC limits high in GW 103D. Associated target analytes in these samples should be qualified as estimated.

METHOD BLANK

All the criteria were met except PFHxS and PFOA were detected above the MDL, below the reporting limit and are qualified as estimated in MB 320-220407/1-A. PFHxS was detected above the MDL, below the reporting limit and is qualified as estimated in CCB320-220540/1, CCB320-220573/1 and ICB320-217359/9. These target analytes should be qualified as undetected at the reporting limit if they were detected in the associated samples below the reporting limit. These target analytes should be qualified as estimated high if detected in the associated samples above the reporting limit.

FIELD DUPLICATE SAMPLE PRECISION

No field duplicate was acquired.

LABORATORY CONTROL SAMPLES

All criteria were met.

MS/MSD

No MS/MSD was acquired.

COMPOUND QUANTITATION

All criteria were met.

INITIAL CALIBRATION

All criteria were met.

Alternate forms of regression were performed on target analytes whose %RSD > 35.0%, with acceptable results.

CONTINUING CALIBRATION

All criteria were met.

Data Usability Summary Report

Vali-Data of WNY, LLC
1514 Davis Rd.
West Falls, NY 14170

Coyne Textile
Pace Analytical SDG#7049093
October 1, 2018
Reissued; August 27, 2018
Sampling date: 4/19/2018

Prepared by:
Jodi Zimmerman
Vali-Data of WNY, LLC
1514 Davis Rd.
West Falls, NY 14170

Coyne Textile
SDG# 7049093

DELIVERABLES

This Data Usability Summary Report (DUSR) was prepared by evaluating the analytical data package (reissued; August 27, 2018) for CHA, project located at Coyne Textile, Pace Analytical (Pace), SDG#7049093, submitted to Vali-Data of WNY, LLC on September 26, 2018. This DUSR has been prepared in general compliance with NYSDEC Analytical Services Protocols and USEPA National Functional Guidelines. The laboratory performed the analyses using USEPA methods Volatile Organics (8260C), Semi-Volatile Organics (8270D), PCB (8082A), Inorganics (200.7) and Mercury (7470A).

VOLATILE ORGANIC COMPOUNDS

The following items/criteria were reviewed for this analytical suite:

- Data Completeness
- Narrative and Data Reporting Forms
- Chain of Custody and Traffic Reports
- Holding Times
- Internal Standard (IS) Area Performance
- Surrogate Spike Recoveries
- Method Blank
- Field Duplicate Sample Precision
- Laboratory Control Samples
- MS/MSD/Duplicate
- Compound Quantitation
- Initial Calibration
- Continuing Calibration
- GC/MS Performance Check

The items listed above were technically in compliance with the method and SOP criteria with the exceptions discussed in the text below. The data have been reviewed according to the procedures outlined above and qualified accordingly.

OVERALL EVALUATION OF DATA AND POTENTIAL USABILITY ISSUES

The data are acceptable for use except where qualified below in Method Blank, Surrogate Spike Recoveries and Laboratory Control Samples.

DATA COMPLETENESS

All criteria were met.

NARRATIVE AND DATA REPORTING FORMS

All criteria were met.

CHAIN OF CUSTODY AND TRAFFIC REPORTS

All criteria were met.

HOLDING TIMES

All holding times were met.

INTERNAL STANDARD (IS)

All criteria were met.

SURROGATE SPIKE RECOVERIES

All criteria were met except the %Rec of 4-Bromofluorobenzene was outside QC limits, high in GW 103D. Associated target analytes detected in this sample should be qualified as estimated high.

METHOD BLANK

All the criteria were met except Acetone was detected above the MDL, below the reporting limit and is qualified as estimated in FB 101 and FB 100. This target analyte should be qualified as undetected at the reporting limit if it was detected in the associated samples below the reporting limit. This target analyte should be qualified as estimated high in the associated samples in which it was detected above the reporting limit.

A TIC was detected in FB 101 and FB 100. These TICs were not detected in the samples, so no further action is required.

FIELD DUPLICATE SAMPLE PRECISION

No field duplicate was acquired.

LABORATORY CONTROL SAMPLES

All criteria were met except the %Rec of 1,1-Dichloroethane was outside QC limits, low in 296087LCS. This target analyte should be qualified as estimated in the associated samples.

MS/MSD/DUPLICATE

No MS/MSD was analyzed for these samples.

COMPOUND QUANTITATION

All criteria were met.

INITIAL CALIBRATION

All criteria were met.

Alternate forms of regression were performed on all target analytes whose %RSD >20%, with acceptable results.

CONTINUING CALIBRATION

All criteria were met.

GC/MS PERFORMANCE CHECK

All criteria were met.

SEMIVOLATILE ORGANIC COMPOUNDS

The following items/criteria were reviewed for this analytical suite:

- Data Completeness
- Narrative and Data Reporting Forms
- Chain of Custody and Traffic Reports
- Holding Times
- Internal Standard (IS) Area Performance
- Surrogate Spike Recoveries
- Method Blank
- Field Duplicate Sample Precision
- Laboratory Control Samples
- MS/MSD/Duplicate
- Compound Quantitation
- Initial Calibration
- Continuing Calibration
- GC/MS Performance Check

The items listed above were technically in compliance with the method and SOP criteria with the exceptions discussed in the text below. The data have been reviewed according to the procedures outlined above and qualified accordingly.

OVERALL EVALUATION OF DATA AND POTENTIAL USABILITY ISSUES

The data are acceptable for use except where qualified below in Surrogate Spike Recoveries.

DATA COMPLETENESS

All criteria were met.

NARRATIVE AND DATA REPORTING FORMS

All criteria were met.

CHAIN OF CUSTODY AND TRAFFIC REPORTS

All criteria were met.

HOLDING TIMES

All holding times were met.

INTERNAL STANDARD (IS)

All criteria were met.

SURROGATE SPIKE RECOVERIES

All criteria were met except the %Rec of all of the surrogates except 2,4,6-Tribromophenol and Terphenyl-d₁₄ was outside QC limits low in GW 105S. Associated target analytes in this sample should be qualified as estimated.

METHOD BLANK

All the criteria were met except a TIC was detected in 297767BLANK. This TIC was not detected in the samples, so no further action is required.

FIELD DUPLICATE SAMPLE PRECISION

No field duplicate was acquired.

LABORATORY CONTROL SAMPLES

All criteria were met.

MS/MSD/DUPLICATE

All criteria were met for GW 105DDUP.
No MS/MSD was performed on these samples.

COMPOUND QUANTITATION

All criteria were met.

INITIAL CALIBRATION

All criteria were met.
Alternate forms of regression were performed on all target analytes whose %RSD >20%, with acceptable results.

CONTINUING CALIBRATION

All criteria were met.

GC/MS PERFORMANCE CHECK

All criteria were met.

PESTICIDES

The following items/criteria were reviewed for this analytical suite:

- Data Completeness
- Narrative and Data Reporting Forms
- Chain of Custody and Traffic Reports
- Holding Times
- Surrogate Spike Recoveries
- Method Blank

- Field Duplicate Precision
- Laboratory Control Samples
- MS/MSD/Duplicate
- Compound Quantitation
- Initial Calibration
- Continuing Calibration

The items listed above were technically in compliance with the method and SOP criteria with the exceptions discussed in the text below. The data have been reviewed according to the procedures outlined above and qualified accordingly.

OVERALL EVALUATION OF DATA AND POTENTIAL USABILITY ISSUES

The data are acceptable for use except where qualified below in MS/MSD/Duplicate.

DATA COMPLETENESS

All criteria were met.

NARRATIVE AND DATA REPORTING FORMS

All criteria were met.

CHAIN OF CUSTODY AND TRAFFIC REPORTS

All criteria were met.

HOLDING TIMES

All holding times were met.

SURROGATE SPIKE RECOVERIES

All criteria were met.

METHOD BLANK

All the criteria were met.

FIELD DUPLICATE SAMPLE PRECISION

All criteria were met.

LABORATORY CONTROL SAMPLES

All criteria were met.

MS/MSD/DUPLICATE

All criteria were met except the RPD of gamma-Chlordane was outside QC limits between the columns in GW 104MS and should be qualified as estimated.

COMPOUND QUANTITATION

All criteria were met.

INITIAL CALIBRATION

All criteria were met.

CONTINUING CALIBRATION

All criteria were met.

PCB

The following items/criteria were reviewed for this analytical suite:

- Data Completeness
- Narrative and Data Reporting Forms
- Chain of Custody and Traffic Reports
- Holding Times
- Surrogate Spike Recoveries
- Method Blank
- Field Duplicate Precision
- Laboratory Control Samples
- MS/MSD/Duplicate
- Compound Quantitation
- Initial Calibration
- Continuing Calibration

The items listed above were technically in compliance with the method and SOP criteria with the exceptions discussed in the text below. The data have been reviewed according to the procedures outlined above and qualified accordingly.

OVERALL EVALUATION OF DATA AND POTENTIAL USABILITY ISSUES

The data are acceptable for use except where qualified below in Continuing Calibration.

DATA COMPLETENESS

All criteria were met.

NARRATIVE AND DATA REPORTING FORMS

All criteria were met.

CHAIN OF CUSTODY AND TRAFFIC REPORTS

All criteria were met.

HOLDING TIMES

All holding times were met.

SURROGATE SPIKE RECOVERIES

All criteria were met.

METHOD BLANK

All the criteria were met.

FIELD DUPLICATE SAMPLE PRECISION

All criteria were met.

LABORATORY CONTROL SAMPLES

All criteria were met.

MS/MSD/DUPLICATE

No MS/MSD was performed on these samples.

COMPOUND QUANTITATION

All criteria were met.

INITIAL CALIBRATION

All criteria were met.

CONTINUING CALIBRATION

All criteria were met except the %D of TCMX was outside QC limits off column 2 in 10208968CCV. This surrogate should be qualified as estimated in the associated samples, blanks and spikes off the associated column.

The %D of several peaks in the target analytes were outside QC limits, but within ASP because ASP requires three peaks to be compliant.

METALS

The following items/criteria were reviewed for this analytical suite:

- Data Completeness
- Narrative and Data Reporting Forms
- Chain of Custody and Traffic Reports
- Holding Times
- Blanks
- Laboratory Control Sample
- MS/MSD/Duplicate
- Field Duplicate
- Serial Dilution
- Compound Quantitation
- Calibration

The items listed above were technically in compliance with the method and SOP criteria with the exceptions discussed in the text below. The data have been reviewed according to the procedures outlined above.

OVERALL EVALUATION OF DATA AND POTENTIAL USABILITY ISSUES

The data are acceptable for use except where qualified below in Blanks and MS/MSD/Duplicate.

DATA COMPLETENESS

All criteria were met except the Hg raw data was not included in the reissued report. Those pages are attached.

NARRATIVE AND DATA REPORTING FORMS

All criteria were met.

CHAIN OF CUSTODY AND TRAFFIC REPORTS

All criteria were met.

HOLDING TIMES

All holding times were met.

BLANKS

All criteria were met except Sb, Cd, Pb, Na and Zn were detected above the MDL, below the reporting limit and is qualified as estimated in 295645BLANK. Al and K were detected above the MDL, below the reporting limit and is qualified as estimated in ICB. Sb, Ni and K were detected above the MDL, below the reporting limit and is qualified as estimated in CCB1. K was detected above the MDL, below the reporting limit and is qualified as estimated in CCB2. Sb, As, Na and K were detected above the MDL, below the reporting limit and is qualified as estimated in CCB3. Ba, K and Na were detected above the MDL, below the reporting limit and is qualified as estimated in CCB4. Ca and K were detected above the MDL, below the reporting limit and is qualified as estimated in CCB5. Hg was detected above the MDL, below the reporting limit and is qualified as estimated in ICB and all of the CCB's. Associated samples in which these target analytes were detected above the MDL and below the reporting limit should be reported with the reporting limit and 'undetected'. Associated samples in which these target analytes were detected above the reporting limit should be qualified as estimated high.

LABORATORY CONTROL SAMPLE

All criteria were met.

MS/MSD/DUPLICATE

All criteria were met except the %Rec of Al and Ag were outside QC limits high in GW 105SMS. These target analytes should be qualified as estimated high in GW 105S and GW 105SDUP, if detected.

The RPD of Al, Fe, Pb, Ni and Zn was outside QC limits between GW 105S and GW 105SDUP. These target analytes should be qualified as estimated in GW 105S and GW 105SDUP. Cd and Se were detected in GW 105S but were not detected in GW 105SDUP. Cu and As were detected in GW 105SDUP but were not detected in GW 105S. The RPD of Cr was outside QC limits between GW 105D and GW 105DDUP. These target analytes should be qualified as estimated in GW 105D and GW 105DDUP. Cd was detected in GW 105D but were not detected in GW 105DDUP.

FIELD DUPLICATE

No field duplicate was acquired.

SERIAL DILUTION

No Serial Dilution was performed.

COMPOUND QUANTITATION

All criteria were met.

CALIBRATION

All criteria were met.

APPENDIX H

Geophysical Survey Report

Geophysical Survey Report

Former Coyne Textile Facility
140 Courtland Ave.
Syracuse NY

Prepared for Clough Harbour & Associates,
LLP.

Introduction

A geophysical survey was performed by Underground Surveying, LLC of 72 Gray's Bridge Road, Unit Q, Brookfield, CT, for Clough Harbour & Associates, LLP. of 441 S. Salina St., #205 Syracuse NY. The survey was performed on April 3rd, 2018 at 140 Courtland Ave., Syracuse NY. The purpose of the survey was to search for evidence of an underground storage tank (UST) and, if one is detected, mark its location and depth.

Technology

The following survey was performed with the magnetic locator, and ground penetrating radar (GPR) technology. Before reading the full report, we advise that you read the following paragraphs to gain a basic understanding of the technology and to understand its limitations.

Ground Penetrating Radar (GPR)

Quite often, non-metallic, inaccessible, unknown or abandoned utilities cannot be located with traditional cable and pipe locators. When this occurs, Ground Penetrating Radar (GPR) must be used in conjunction. GPR is a non-invasive, non-destructive geophysical surveying technique that is used to produce a cross-sectional view of objects embedded within the subsurface. We currently use the GSSI SIR-3000 to perform our GPR surveys. This piece of equipment, which is manufactured by Geophysical Survey Systems Inc., is their latest data acquisition system and the industry's number one choice for data accuracy and versatility.

All GPR units consist of three main components: a power supply, control unit and antenna. To understand how these components interact to provide usable data, we must first understand the performance of a scan. A scan is performed by moving the antenna across the surface linearly to create a series of electromagnetic pulses over a given area. During a scan, the control unit produces and regulates a pulse of radar energy, which is amplified and transmitted into the subsurface at a specific frequency by the antenna.

Antenna frequency is inversely proportional to penetration depth, which makes antenna selection the most important step in the survey design process. Below is a list of antenna frequencies, their application and maximum penetration depth.

Frequency (MHz)	Sample Applications	Max Depth (ft.)
2600	Concrete, Roadways, Bridge Decks	1
1600	Concrete Roadways, Bridge Decks	1.5
900	Concrete, Shallow Soil, Archaeology	3
400	Shallow Geology, Utility Locating, Environmental, Archaeology	9
200	Geology, Environmental	25
100	Geology, Environmental	60

During a scan, the control unit records the strength and time required for the return of any reflected energy. Reflections are produced in the data screen profile (on the control unit) whenever the energy pulse enters and exits contrasting subsurface materials. The way it responds to each material is determined by two physical properties: dielectric constant and electrical conductivity.

The dielectric constant is a descriptive number that indicates how fast electromagnetic energy travels through a material. Energy always moves through a material as quickly as possible, but certain materials slow down the energy more than others. The higher the dielectric, the slower the energy will move through the material, and vice versa. Below is a list of some common materials with their corresponding dielectric constants and velocity values.

Material	Dielectric	Velocity (mm/ns)
Air	1	300
Fresh Water	81	33
Ice	3	167
Dry Sand	3-6	120-170
Wet Sand	25-30	55-60
Silt	10	95
Wet Clay	8-15	86-110

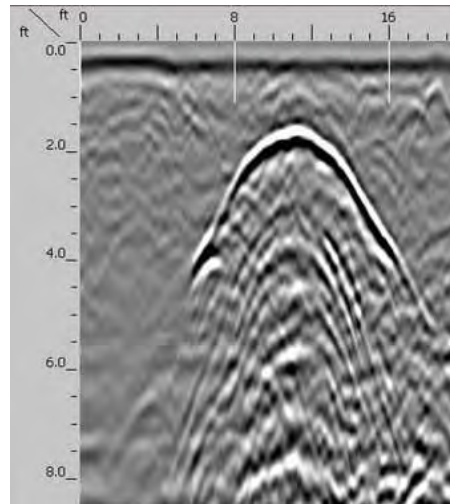
Dry Clay	3	173
Marsh	12	86
Average Soil	16	75
Granite	5-8	106-120
Limestone	7-9	100-113
Concrete	5-8	55-120
Asphalt	3-5	134-173
PVC	3	173

To determine the location of a subsurface target in the data screen profile, there must be a contrast between the dielectric values of the material one is scanning through and the target one is searching for. For example, a pulse moving from dry sand (dielectric of 5) to wet sand (dielectric of 30) will produce a strong, highly visible reflection, while moving from dry sand (5) to limestone (8) will produce a weak one. In addition, if one knows the dielectric value of the subsurface material one is scanning through, the control unit can measure the amount of time required to receive the reflected signal and convert this to depth.

Since the GPR emits electromagnetic energy, it is subject to attenuation (natural absorption) as it moves through a material. Energy moving through resistive (less conductive) materials such as dry sand, ice or dry concrete will penetrate much further than energy moving through absorptive (more conductive) materials such as salt water or wet concrete. As a result, the greater the contrast in electrical conductivity between the material one is scanning through and the target one is searching for, the brighter the reflection; high conductive materials such as metals produce the brightest reflections.

To understand how dielectric and electrical conductivity differences translate into visual data requires an understanding of how the antenna emits energy. Imagine the antenna scanning perpendicular to a UST. Energy emits from the antenna in a 3-dimensional cone shape, not in a straight line as one might think. The two-way travel time for energy at the leading edge of the cone is longer than for energy directly below the antenna. Because it will take longer for energy at the leading edge to be captured, when the antenna first approaches the UST, it will appear low in the data screen profile. As the antenna moves closer to the UST and the distance between them decreases, the reflections will appear higher in the profile. At the point where the antenna is located directly above the UST, the minimum distance of separation is reached and the reflections reach their zenith. As the antenna moves away from the UST and the

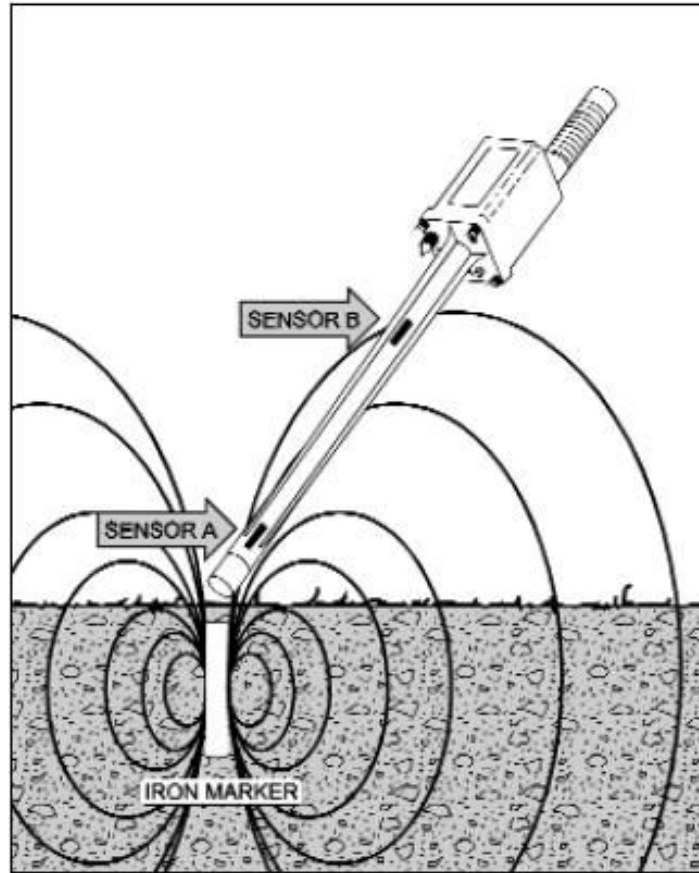
distance between them increases, the reflections appear lower in the profile once again. After the scan is completed, the center of the UST will appear in the data screen profile as an upside down U, which is referred to as a hyperbola. A image of a UST hyperbola is shown below:



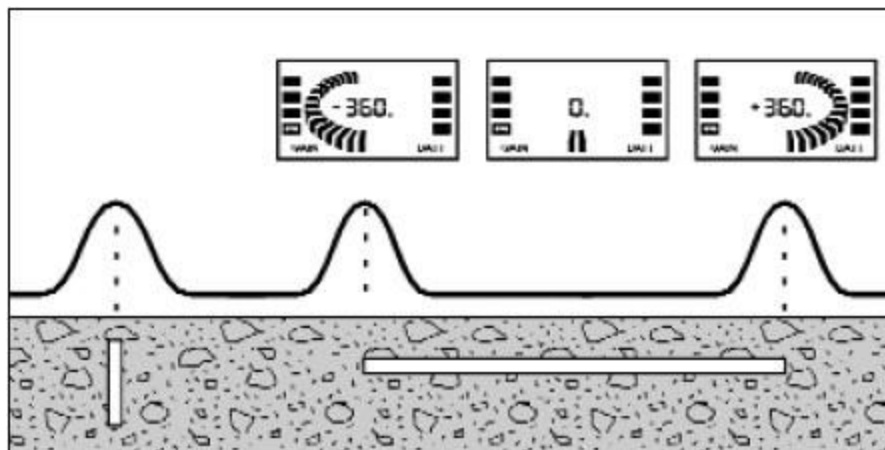
To gather, organize and present the data, a series of scans are performed within an orthogonal survey grid. At the end of each scan, the data screen profile is reviewed for the presence of a hyperbolic target. If present, the antenna is moved backward to place a cursor (which depicts the center of the antenna) on the center of the target. The location and depth of the target is then marked on the ground with chalk, paint and/or flags. Once the entire grid has been scanned, the marks are then reviewed to search for patterns similar to that of the desired targets; in this case a tank. Any target that appears in the data screen profile as a hyperbola in one direction, and as a flat line in the other, indicates the presence of a UST.

Magnetic Locator

All our Magnetic Locator surveys are performed with the Model GA-72Cd Magnetic Locator, which is manufactured by Schonstedt Instrument Company of 100 Edmond Road, Kearneysville, WV. The magnetic locator detects the magnetic field of ferromagnetic objects, by responding to the difference in the magnetic field between two sensors which are spaced apart about a distance of fourteen (14) inches. This instrument is unique in that it provides an audio signal, and visual indications, of both signal strength and polarity. The reason this is advantageous is that, although most objects can be located using either one of these indications, simultaneous use of both types enables one to pinpoint a target, determine its orientation, and identify magnetically detectable, non-metallic duct and cable. The figure below illustrates an application of the locator, in which it is being used to detect an iron marker - the type which is commonly used for property line identification. As shown, the magnetic field of the iron marker is stronger at Sensor A than it is at Sensor B. As a result, the frequency of the audio signal is higher than the idling frequency, forty (40) Hz, which exists when the field strength is the same at both sensors. This stronger signal also causes the digital indication to peak, in either the positive or negative direction, when the audio signal is at its highest frequency.



To perform a sweep, the locator is swept from side to side. When the locator comes within range of an iron object, the audio signal will peak, the bar graph will expand positive or negative, and the digital readout will peak as shown below; it is this peak response that indicates the existence of a metallic object buried underground.



Materials

The magnetic locating survey was performed with the Model GA-72Cd Magnetic Locator, which is manufactured by Schonstedt Instrument Company of 100 Edmond Road, Kearneysville, WV. The GPR survey was performed with the SIR-3000, which was manufactured by Geophysical Survey Systems, Inc., of Salem, NH.

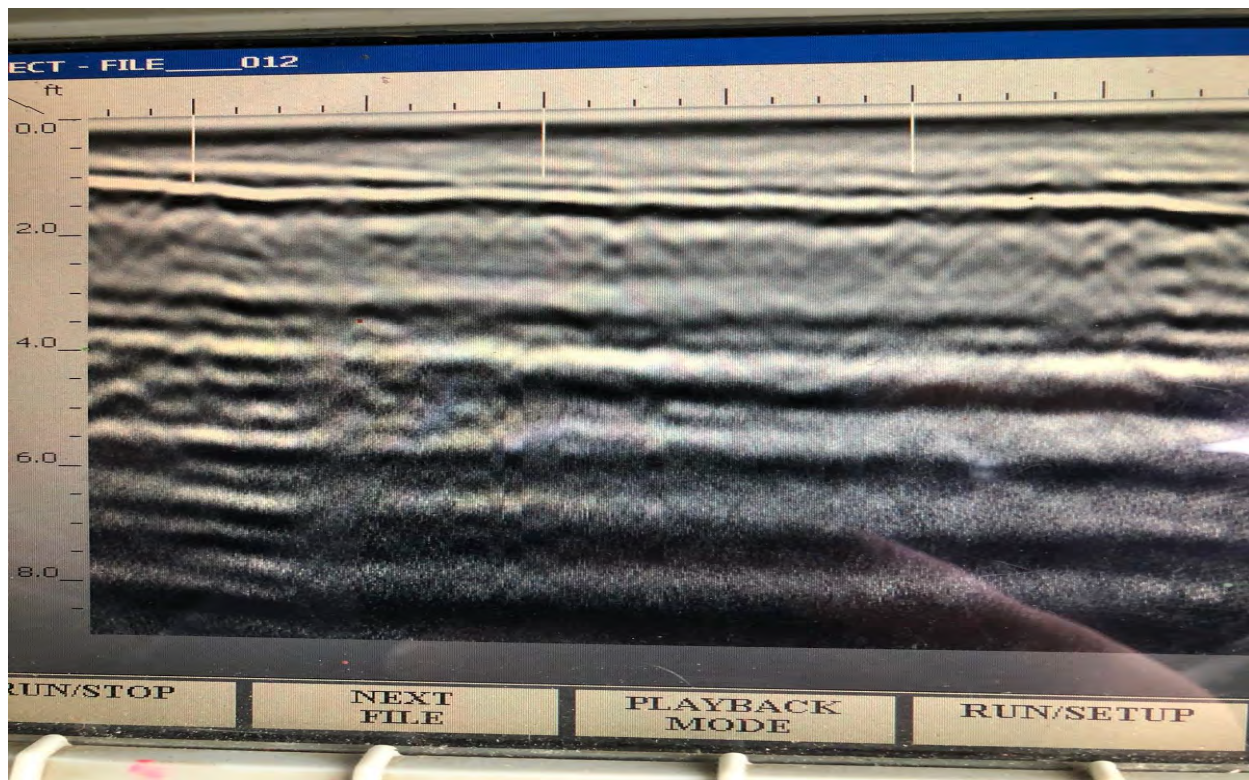
Methods

Upon arriving on site, a visual inspection was performed within the property to search for evidence of the following structures commonly associated with USTs: vents, fill pipes and supply/return lines. A magnetic locating survey was then performed around the entire property to search for evidence of any metallic objects. Finally, a GPR survey was also performed around the entire property--by making scans inside an orthogonal grid with 1-2 foot spacing, using a 400 MHz antenna--to more accurately determine the location and depth of any objects detected during the magnetic locating survey, and to search for visual evidence of any potential underground storage tanks (USTs).

Results

The result of the survey are shown below.

GPR Results



Discussion

The results of the GPR survey were inconclusive, due to signal loss which was caused by a high concentration of deicing salts outside in the parking lot, and poor signal penetration inside the building. If you have any questions, comments or concerns regarding this report, please don't hesitate to contact me at 860.866.7724 or ctarsi@undergroundsurveying.com.

Submitted on April 4th, 2018

Craig Tarsi
Project Manager

