Direct: 315.451.9560
301 Plainfield Road, Suite 350 | Syracuse, New York 13212

Response to NYSDEC Comments Dated November 30, 2021
Allied Chemical - Tonawanda, #915003
Tonawanda (T), Erie County
Draft Site Investigation Summary Report Dated October 2021

Comment 1. Section 3, Stormwater Discharge: the use of "stream" in this section should be replaced with "ditch" to better reflect the receiving waterbody.

Response 1. ***The document will be revised as requested.***

Comment 2. Section 3, Till: it is not clear what 'till' this section is referring to, as most of the fill is on top of clay or silty clay based on this investigation and those at surrounding sites. The identification of till appears to have been in only soil borings completed in/near the western surface berm, which may not be indicative of native materials.

Response 2. ***The document will be revised to provide clarity.***

Comment 3. Section 6.2, Western Area: Section 5.2 of the work plan included investigation of the western area to further investigate apparent coal tar observed by past Tonawanda Coke Corporation and Department staff. It appears that this part of the work plan was not implemented. The reason for this omission needs to be provided, and if necessary, the investigation of this area completed during future site activities.

Response 3. ***The document will be revised to document that access issues associated with heavy vegetation prevented the further characterization of tar in this area. It will be included in the next phase of site investigation.***

Comment 4. Section 6.2, Benzene: the concentration of benzene at borings B-9, B-16, B-18, and B-30 warrant additional investigation. Considering the use of Section 7.2.11 of EPA Method 1311 in other reports, the soil/materials at these locations may be characteristically hazardous. Additionally, the thickness, depth, and analytical composition observed at B-9 were notably different than the other locations and may represent a different source of contamination than the presumed coal tar residuals at the other borings.

Response 4. ***These areas will be evaluated further through test pitting in the next phase of site investigation.***

Comment 5. Table 4, Commercial Footnote: "Unrestricted" should be deleted from the blue commercial use footnote description.

Response 5. ***The document will be revised as requested.***

Comment 6. Appendix F, Waste Manifests: the manifests provided are hard to read, and it is requested that fully legible copies of the waste manifests be provided.

Response 6. ***The document will be revised as requested.***

Comment 7. Overall, Test Pits: it was previously agreed between Honeywell and the Department that a test

pit investigation would be completed at the site following the results of the soil boring investigation. This investigation should target, at a minimum, the boring locations identified in this investigation with notable impacts and the area of surficial tar boil(s) south of the former Tonawanda Coke water treatment tanks to provide for a larger assessment of subsurface conditions in these areas

Response 7. ***These areas will be evaluated further through test pitting in the next phase of site investigation.***

Comment 8. A revised report addressing the above comments will be submitted to the Department by January 2, 2022. The Department also requests that a work plan to address Comments 3,4, and 7 be submitted to the Department by February 2, 2022, If you wish to discuss this matter in more detail feel free to contact me at 716-851-7220 or benjamin.mcpherson@dec.ny.gov.

Response 8. ***Based on subsequent discussion with NYSDEC, it was agreed that the requested changes would be addressed in a revised report that will include the results from the next phase of site investigation. A Work Plan for the next phase of investigation will be submitted to NYSDEC by February 2, 2022.***

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

Division of Environmental Remediation, Region 9
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November 30, 2021

Rich Galloway
Honeywell International, Inc.
115 Tabor Road
Morris Plains, NJ 07950

RE: Allied Chemical - Tonawanda, #915003
Tonawanda (T), Erie County
Site Investigation Report

Dear Rich Galloway:

The Department has received the *Draft Site Investigation Summary Report* [October 2021] for the above referenced site, as prepared by Parsons. Based on our review of the report we have the following comments:

1) Section 3, Stormwater Discharge: the use of "stream" in this section should be replaced with "ditch" to better reflect the receiving waterbody;

2) Section 3, Till: it is not clear what 'till' this section is referring to, as most of the fill is on top of clay or silty clay based on this investigation and those at surrounding sites. The identification of till appears to have been in only soil borings completed in/near the western surface berm, which may not be indicative of native materials;

3) Section 6.2, Western Area: Section 5.2 of the work plan included investigation of the western area to further investigate apparent coal tar observed by past Tonawanda Coke Corporation and Department staff. It appears that this part of the work plan was not implemented. The reason for this omission needs to be provided, and if necessary, the investigation of this area completed during future site activities;

4) Section 6.2, Benzene: the concentration of benzene at borings B-9, B-16, B-18, and B-30 warrant additional investigation. Considering the use of Section 7.2.11 of EPA Method 1311 in other reports, the soil/materials at these locations may be characteristically hazardous. Additionally, the thickness, depth, and analytical composition observed at B-9 were notably different than the other locations and

may represent a different source of contamination than the presumed coal tar residuals at the other borings;

5) Table 4, Commercial Footnote: "Unrestricted" should be deleted from the blue commercial use footnote description;

6) Appendix F, Waste Manifests: the manifests provided are hard to read, and it is requested that fully legible copies of the waste manifests be provided; and

7) Overall, Test Pits: it was previously agreed between Honeywell and the Department that a test pit investigation would be completed at the site following the results of the soil boring investigation. This investigation should target, at a minimum, the boring locations identified in this investigation with notable impacts and the area of surficial tar boil(s) south of the former Tonawanda Coke water treatment tanks to provide for a larger assessment of subsurface conditions in these areas.

A revised report addressing the above comments will be submitted to the Department by January 2, 2022. The Department also requests that a work plan to address Comments 3,4, and 7 be submitted to the Department by February 2, 2022, If you wish to discuss this matter in more detail feel free to contact me at 716-851-7220 or benjamin.mcpherson@dec.ny.gov.

Sincerely,

DN: cn=Benjamin McPherson, o=NYSDEC, ou=DER, email=benjamin.mcpherson@dec.ny.gov, c=US
Date: 2021.11.30 13:48:24 -05'00'

Benjamin McPherson, P.E.
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Dale Desnoyers, Esq. – Allen & Desnoyers (Dale@allendesnoyers.com)

DRAFT SITE INVESTIGATION SUMMARY REPORT

Tonawanda Plastics Site
NYSDEC ID 915003

Prepared For:

Honeywell

Honeywell International Inc.
115 Tabor Road
Morris Plains, NJ 09750

Prepared By:

PARSONS

40 La Riviere Drive, Suite 350
Buffalo, New York 14202

September 2021
Parsons PN 451244

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LIST OF ACRONYMS

Acronym	Definition / Description
Allied	Allied Fibers and Plastics Company (now Honeywell)
ASP	Analytical Services Protocol
BTEX	benzene, toluene, ethylbenzene, and xylene
COC	chemicals of concern
CRA	Conestoga-Rovers and Associates
CVOC	chlorinated volatile organic compounds
CY	cubic yard(s)
DQE	Data Quality Review
eV	Electronvolt
ft bgs	feet below ground surface
IDW	investigation-derived waste
NYSDEC	New York State Department of Environmental Conservation
PAHs	polycyclic aromatic hydrocarbons
PID	photoionization detector
ppm	parts per million
PVC	polyvinyl chloride
RCP	reinforced concrete pipe
Site	Tonawanda Plastics Site
SVI	soil vapor intrusion
SVOCs	semivolatile organic compounds
TAL	target compound list
TCC	Tonawanda Coke Corporation
TCL	Target compound list
VOCs	volatile organic compounds

1 INTRODUCTION

This report describes investigation activities completed at the Tonawanda Plastics Site (NYSDEC RCRA Site No. 915003) in Tonawanda, New York (Site) between 2018 and 2021. The work was completed consistent with two Work Plans approved by the New York State Department of Environmental Conservation (NYSDEC).

The *Storm Sewer Investigation Work Plan* (Parsons, 2017) was submitted by letter dated December 27, 2017 and approved by NYSDEC by letter dated January 31, 2018. The investigation was conducted between February 2018 and July 2018 and focused on the 36-inch storm sewer which traverses the western portion of the Site. The *Investigation Areas Work Plan* (Parsons, 2018) was submitted to NYSDEC by letter dated May 23, 2018. Also, by letter dated May 23, 2018, NYSDEC approved the work plan with no modifications to the scope. The investigation was conducted between October 2018 and March 2021 and included subsurface investigation work in the east and central parts of the Site.

Although there were 2 separate work plans, the reporting has been combined into this single document. A full description of the Site, investigation activities, and the investigation results are included in this report.

2 BACKGROUND

The Site encompasses approximately 17 acres, located at 3821 River Road in Tonawanda, New York (**Figure 1**). The Site was originally developed by Allied Fibers and Plastics Company (Allied, now Honeywell) in the early 1950s, and was operated as a manufacturing facility through 1982. Site operations included the polymerization of ethylene into low molecular weight polyethylene (trademark: A-C Polyethylene and Co-polymers), which was finished into powder, pelleted and solid forms. Allied sold the property to Rouse Breihan, Inc. in 1985. Several of the Site buildings were used for office and laboratory space, vehicle maintenance, and warehousing by the neighboring Tonawanda Coke Corporation (TCC) up until they shut down operations in October 2018. Currently, the buildings on the property are unused and unoccupied.

In summer 1981, approximately 500 cubic yards (CY) of coal tar and soils were excavated and removed from the eastern portion of the Site (NYSDEC 2018) (**Figure 2**). The Coal Tar Site (NYSDEC Inactive Hazardous Waste Site 915003B) consisted of an area of the plant property where pools of coal tar, from spillage and leakage during product-transfer operations, were located. The removal was completed by the Tonawanda Coke Corporation, under agreement with Allied, as part of the demolition of the idle tar storage terminal. Removal was completed down to the underlying clay layer. Analytical results of confirmatory soil samples collected following the excavation showed that chemicals of concern (COCs) were not detected or were in low parts per million (ppm) concentrations. In addition to the tar and soil removal, the buried pipeline used to transfer product coal tar from former coke operation to the Barrett Division paving material storage facility was also removed to the property limits, as was an underground tank which was used as a blowdown tank for the transfer line. NYSDEC informed Allied in October 1981 that no further remediation was necessary in this area.

In 1991, Allied excavated an area at the west end of the property where spent and off-specification batches of magnesium chromate catalyst were disposed (**Figure 2**). The excavation was completed under a Consent Order between Allied and NYSDEC. This area has historically been referenced as the blow-down pit (NYSDEC Inactive Hazardous Waste Site 915003C). NYSDEC notified Allied in May 1995 that the site was delisted from the NYSDEC Registry of Inactive Hazardous Waste Disposal Sites.

In July of 1998, NYSDEC notified Allied that subsequent investigations had identified the presence of groundwater contamination upgradient of the chrome pit removal area, and that further site investigations would be required under the RCRA Corrective Action Program. In November 1998, NYSDEC acknowledged Allied's agreement to voluntarily proceed with additional investigations and identified specific investigation focus areas. Allied subsequently completed multiple rounds of investigation activities as well as cleaning and flushing of the onsite 36-inch and 48-inch storm sewers (O'Brien and Gere, 2002).

Based on their review of the 2002 investigation report, NYSDEC notified Honeywell in October 2013 that additional investigations would be required under the RCRA Corrective Action Program. Honeywell agreed to proceed with the investigations on a volunteer basis.

In December 2015, Honeywell submitted an *Investigation Summary Report* to NYSDEC (Parsons 2015). This report included the results of surface water, sediment, and groundwater monitoring and sampling from the western end of the Site near the former blow-down pit.

In October 2017, Honeywell submitted a second *Investigation Summary Report* to NYSDEC (Parsons 2017a). This report included the results of surface water and groundwater monitoring and sampling and a soil vapor intrusion (SVI) investigation completed for the building used as offices and laboratories.

3 SITE DESCRIPTION

The Site is located along River Road in the Town of Tonawanda, Erie County, New York. There are several other industrial facilities in the area including the former TCC facility north and east of the Site. River Road forms the western site boundary, and the Niagara Mohawk Power Corporation (now National Grid PLC) owns and maintains an electrical power transmission corridor to the south. Immediately south of the National Grid corridor is an Energy Transfer facility with bulk above ground petroleum storage tanks. The stormwater runoff from the Energy Transfer facility discharges to a series of concrete stormwater pipes that run under the Plastics Site and discharge to a stream on the Tonawanda Coke Site 109.

The closest surface water body to the Site is the Niagara River, which flows from south to north approximately 1,500 feet west of the Site.

Surficial geology at the Allied Chemical site is characterized by a dense, massive, reddish glaciolacustrine clay overlain by fill material, clay, sand, and gravel. The water-bearing fill unit is not a source of potable water and is not locally in hydraulic connection with the underlying bedrock aquifer (NYSDEC, 2021). Perched groundwater on top of the till has been observed within four feet of the ground surface. As reported in the *Remedial Investigation Summary Report Tonawanda Coke Corporation* (Conestoga-Rovers and Associates [CRA] May 1997) there is less than a foot of soil/fill at the surface at the east end of the Site, with the silty clay beneath.

Site COCs have been selected based on the results of previous investigations and historical operations at the Site. COCs include the VOCs benzene, toluene, ethylbenzene, and xylene (BTEX), chlorinated volatile organic compounds (CVOCs), polycyclic aromatic hydrocarbons (PAHs), chromium and cyanide.

For the purpose of this investigation summary, the Site was divided into three geographical areas (**Figure 2**): East Area, West Area, and Center Area. A description of each of the three investigation areas follows.

3.1 East Area

The East Area of the Site is east of the main access road (**Figure 2**). The approximately 4.2-acre area is currently undeveloped. Historically, railroad tracks traversed the area. Several above-ground storage tank foundation slabs are present and there is a former flare stack located in the far east end. There are several sections of railroad track in the area including along the southern edge and the northern limit of the area.

Information about the underlying geology of the area has been obtained from reports prepared for the former TCC property. Three historical test pits (TP-AA, BB, CC) were excavated near the eastern end of the Site on the former TCC side of the property line. The test pits were 1.8, 1.4, and 1.0 feet deep, respectively (CRA 2008). Approximately 0.8 to 1.6 feet of coal fines were described as lying on top of a native reddish-brown clay with traces of silt.

There is a well (MW16-89) on the former TCC side of the property line. The ground elevation at the well is 599.9 feet above mean sea level, with the top of clay at 599.0. The well is reportedly four feet deep.

During a site walk with NYSDEC in 2016, tar-like material was observed on the ground surface near the access road and the former TCC water treatment tanks. Approximately 500 cubic yards of material were removed from near a railroad/tank unloading area in this section of the Site in 1981, as discussed in Section 2.

3.2 West Area

The West Area of the Site (**Figure 2**) occupies approximately 3.3 acres and contains no buildings. The blow-down pit inactive hazardous waste site, which was remediated in 1991 and delisted as discussed in Section 2, is located in this portion of the Site Additionally, a soil berm, running parallel to River Road, was constructed near the western property boundary in approximately 2005. Several subsurface investigations have been conducted on the Site to support the remediation and subsequent groundwater investigation relating to the blow-down waste pit Site. There are 12 groundwater monitoring wells in the area. Drilling records indicated that there is fill overlying a silty clay layer. Groundwater was identified within 5 feet of the original ground surface. A 36-inch-diameter reinforced concrete pipe (RCP) storm sewer traverses the area from south to north, as shown in **Figure 3**. The storm sewer originates offsite (Inlet A) on the National Grid property, west of the Energy Transfer facility.

At the request of NYSDEC, Honeywell has voluntarily completed a series of investigations in this area related to the sewer and vicinity groundwater.

3.3 Center Area

The approximately 9.5-acre Center Area of the Site (**Figure 2**) is where historical plant operations were concentrated. Approximately 13 buildings and structures remain in this area. Following closure of the Plastics Plant, TCC had operations in some of the buildings up until the closure of the adjacent Coke Plant in October 2018. The TCC operations included laboratory and office space, storage areas, and equipment repair shops (NYSDEC, 2021).

There are several above-ground storage tanks in the area, which have been present since the late 1950s. The shape and construction of the tanks suggest they were utilized to store pressurized liquids or gases. There are several foundations slabs that are typical of large vertical tanks in the Center Area as well.

The only known environmental investigation work completed in the Center Area is a SVI study for the laboratory and office buildings completed in 2016 (Parsons 2017a). No COCs were detected in the office building indoor air at concentrations exceeding the USEPA regional screening levels. Although COCs were detected in the laboratory building indoor air, it is likely that these detections originated from activities conducted in the building, not from sub-slab vapor intrusion.

A 48-inch RCP storm sewer traverses the central area of the Site and includes several catch basins (**Figure 3**). This sewer outlet (Outlet B) has been identified directly east of the discharge from the 36-inch sewer (Outlet A). At the time of the investigation work, the discharge piping was completely submerged.

4 SCOPE OF WORK

4.1 Investigation Objectives

The primary objectives associated with the storm sewer investigation were to:

- Measure the volume of water flowing through the 36-inch sewer,
- Sample influent and effluent flow from the sewer, and
- Complete of groundwater level monitoring events, concurrent with each sampling event.

The primary objectives associated with the additional site characterization were to:

- Determine if previously unidentified waste material or grossly impacted soils remain on-site;
- Determine if COCs that may be present in soil, are impacting groundwater;
- Better define groundwater flow patterns across the Site.

4.2 Property Line Survey and Underground Utility Clearance

A property boundary survey was completed on July 18, 2018 by Wendel, Inc., a New York state licensed surveyor. The surveyor marked the property boundary prior to determining exact boring locations.

Prior to mobilizing to the Site for subsurface drilling, all soil borings and monitoring well locations were cleared for the presence of underground utilities by contacting Dig Safely New York. Additionally, New York Leak Detection, Inc., was retained to use ground-penetrating radar to screen the proposed drilling locations for underground hazards. All locations were cleared of both underground and overhead potential hazards prior to drilling. The top 5 feet of material in each of the well locations was excavated by hand to confirm that there were no underground utilities present.

4.3 Soil Borings

Soil borings B-1 through B-30 were completed in the East and Center Areas of the Site from November 9 through November 11, 2020. Soil boring locations are shown on **Figure 2**. Some of the locations were modified in the field from those proposed in the Work Plan based on observed site conditions. The boring locations in the East Area were distributed to cover the full area and targeted to areas where historical operations were identified, including the former tank locations, railroad areas, and the stack. Borings were not placed within areas where grossly contaminated material has been observed on the surface (i.e., tar) but were placed around those areas to define the lateral extent of the materials and related COCs. Borings in the Center Area were concentrated around the former gas holder foundation identified in the northeast corner of the area. No borings were completed in the West Area.

Borings B-1 through B-20 were advanced using a track-mounted, direct-push Geoprobe rig, while Borings B-21 through B-30 were completed using hand-augers as the terrain at those locations was inaccessible by the Geoprobe unit. A total of 9 soil borings were completed in the Center Area, and 21 soil borings were completed in the East Area. Boring logs for all soil borings can be found in **Appendix A**.

Geoprobe and hand-auger equipment was decontaminated prior to use, between borings, and prior to demobilizing from the Site. All downhole equipment was cleaned using an Alconox wash and clean water rinse prior to use and between boring locations. Disposable acetate liners were used for collection of soil cores in the Geoprobe borings.

All borings were advanced to a minimum of 6 inches into native soils. Soil samples were screened with a photoionization detector (PID) fitted with an 11.7 electronvolt (eV) lamp, and PID readings were recorded.

Soil samples that exhibited visible signs of potential contamination or strong odors were collected. Additional samples were collected for quality assurance/quality control purposes, including matrix spike/matrix spike duplicate and field duplicate samples. All soil samples were submitted for analysis to Eurofins TestAmerica Buffalo in Amherst, New York (ELAP No. 10026). Samples were analyzed for VOCs, semi-volatile organic compounds (SVOCs), and inorganic parameters.

Soil cuttings that showed visible indications of potential contamination, strong odors, or exhibited elevated PID readings were placed in a stainless-steel 55-gallon drum for disposal. Soil cuttings that showed no signs of potential contamination were returned to the borehole.

4.4 Groundwater Monitoring Well Installation

From November 11 through November 17, 2020, monitoring wells MW-13 and MW-14 were drilled and installed in the Eastern and Central Areas (**Figure 2**). Well borings were drilled using a track-mounted Geoprobe and the boring was advanced using hollow-stem auger drilling methods. Split-spoon samples were continuously collected for soil classification

by a Parsons geologist. All soil samples were screened for the presence of VOCs with a PID equipped with an 11.7 eV bulb. None of the soil samples at either well location had PID readings greater than 0.0 ppm.

Wells were installed to 10 feet below ground surface (ft bgs) and 11.5 ft bgs in MW-13 and MW-14, respectively. The monitoring wells were completed using 2-inch diameter, schedule 40 polyvinyl chloride (PVC) riser with 5 feet and 10 feet of 0.01-inch slotted screen respectively. Both wells were completed with stick-up protective casings. Well boring logs can be found in **Appendix A**, and well construction logs can be found in **Appendix B**.

At both monitoring well locations, there was a foot or less of unsaturated fill overlying the clay unit. Therefore, the wells provide information regarding the clay unit rather than the shallow zone of backfill represented by most of the other existing wells.

4.5 Well Development

Following installation, wells MW-13 and MW-14 were developed to remove fine-grained sediments from the vicinity of the well screen. Wells were developed by Parsons on November 19, 2020 using surging and bailing techniques with a weighted bailer. Purged water was drummed in 55-gallon steel drums for disposal. Well development logs are included in **Appendix C**.

4.6 Surveying

On March 11, 2021, survey work was completed by Wendel, Inc. Newly installed monitoring wells MW-13 and MW-14 were surveyed for northing and easting coordinates, ground surface and casing elevations. The 30 boring locations in the East and Central Areas were also surveyed for northing and easting coordinates and ground surface elevation. Horizontal datum is referenced to the North American Datum of 1983 (NAD83). Vertical elevations were measured with respect to the National Vertical Datum of 1988 to the nearest 0.01 foot. Survey data has been included in **Appendix D.**

4.7 Groundwater Sampling

Sampling of groundwater from monitoring well MW-14 occurred on December 10, 2020. A groundwater sample could not be collected from MW-13 as the well did not produce enough water for sampling. Prior to sampling, MW-14 was purged of stagnant water using a low-flow sampling method and field parameters were measured. Field parameters included pH, temperature, conductivity, turbidity, dissolved oxygen, oxidation reduction potential, and total dissolved solids. Once a sufficient volume of water had been removed and the field parameters had stabilized, the well was sampled. A purge log for MW-14 is included in **Appendix E**.

Samples were also collected for quality assurance/quality control purposes, including a field duplicate sample. The groundwater samples were submitted for analysis to Eurofins TestAmerica Buffalo in Amherst, New York (NELAP No. 10026). Samples were analyzed for VOCs, SVOCs, and inorganic parameters.

4.8 Sewer Investigation

The scope of work associated with the sewer investigation included measurement of water flow through the 36-inch sewer (**Figure 3**) and collection of influent and effluent water samples for laboratory analysis. The influent and effluent sampling points are designated on **Figure 3** as Inlet A and Outlet A, respectively. The scope of work associated with the sewer investigation also included completion of groundwater level monitoring from existing site wells, as discussed in Section 4.8.

Three measurement and sampling events were completed to quantify the volume of water flowing through the 36-inch sewer pipe, and to collect and analyze influent and effluent samples. Flow rates during each event were measured using weir plates. The three events targeted specific sewer flow conditions, and were completed as follows:

- High-flow event (February 16, 2018) - monitoring and sampling were completed during a warming period following multiple snow-fall events. Temperature at the time of sampling was in the low 50s and there was snowpack on the ground, which included 5.98 inches of snow which fell on February 13. The measured rate of flow at the inflow and outfall at the time of sampling was approximately 74 gallons per minute at both monitoring points. There was no measurable difference in the rate of inflow or outflow of the pipe.
- Low-flow event (July 20, 2018) – monitoring and sampling were completed during low flow conditions. There was no measurable flow through the sewer at the time of sampling; however, there was standing water within the pipe which was sampled. Prior to the sampling date, there had been no precipitation recorded at the National Weather Service metering station at the Niagara Falls International Airport (located approximately eight miles north of the site) for five days.
- Storm event (April 17, 2018) – monitoring and sampling were completed on the day following a rainfall of 1.33 inches (April 16, 2018). A total of 2.09 inches of rainfall were recorded between April 15 through April 17. The measured rate of flow from the outfall at the time of sampling was approximately 60 gallons per minute.

A summary of precipitation during the three sampling periods is included in **Table 1**. During each event, water samples were collected from Inlet A and Outlet A of the 36-inch storm sewer. Samples were collected in accordance with the methods provided in DER-10.

Influent and effluent water samples were transported to TestAmerica Laboratory (NELAP No. 10026) in Amherst, New York and analyzed for target compound list (TCL) VOCs by Method 8260C, TCL semi-volatile organic compounds (SVOCs) by Method 8270D, target analyte list (TAL) metals by Method 6010C, mercury by Method 7470A and cyanide by Method 9012B.

4.9 Groundwater Elevation Measurements

Concurrent with each of the sewer sampling events (36-inch sewer) discussed in Section 4.7 above, groundwater elevation measurements were recorded from the 12 groundwater monitoring wells in the Western Area. Water levels measurements were completed on February 16, 2018, April 17, 2018, and July 20, 2018. In addition, on December 10, 2020, prior to sampling of new monitoring wells MW-13 and MW-14, and again on January 11, 2021, water level measurement and total well depth measurements were recorded from each existing and new Site monitoring well. The results from these measurement events are included in **Table 2**. Generally, groundwater flow direction is to the west or southwest toward River Road. Information provided in historical reports indicates that groundwater in the vicinity is perched in alluvial/lacustrine sediments, which primarily consist of graded silts and clays.

Groundwater water levels measured in wells in the vicinity of the former blow down pit and the 36-inch sewer were used to generate potentiometric surface maps for the localized area in the west part of the site (**Figures 4** through **8**).

These contours provide a theoretical image of the groundwater potentiometric surface and do not necessarily indicate the presence of groundwater especially in areas with shallow, unconfined, and perched groundwater. The presence of artificial subsurface features, buildings and reworked soils may also have an effect.

As described in previous investigation reports, the general groundwater flow across the site is to the west or northwest. Groundwater potentiometric surfaces localized to the 36-inch sewer indicate that portions of the sewer have the potential to be a groundwater sink with local flow toward the sewer.

4.10 Waste Management

Investigation-derived waste (IDW) including soil cuttings generated during soil boring and well installation, equipment decontamination rinse water, well development, purging and sampling and personal protective equipment and sampling materials was placed in UN1A2 drums and staged on-site for disposal.

The IDW materials were disposed of through Veolia North America at their facility in Middlesex, New Jersey. Copies of the completed waste manifests are included in **Appendix F**.

5 DATA VALIDATION

Data Quality Evaluation (DQE) Reports were completed for laboratory data from the storm sewer investigation as well as the site investigation. Data reviews were completed in accordance with NYSDEC's DUSR guidelines (DER-10).

Analytical results were validated and reviewed by Parsons for usability with respect to the requirements defined in the following documents:

- Work Plan
- July 2005 NYSDEC Analytical Services Protocol (ASP)
- USEPA Region Guidelines for Organic and Inorganic Data Review

The analytical laboratory for this project is Eurofins TestAmerica Buffalo (formally TestAmerica Buffalo) in Amherst, New York. This laboratory is certified to conduct project analyses through the New York State Department of Health (NYSDOH) and the National Environmental Laboratory Accreditation Program (NELAP).

The data submitted by the laboratory was reviewed and validated. The analytical data were found to be acceptable in terms of deliverable completeness, accuracy, precision, representativeness, completeness, and comparability. The DQE reports are included in **Appendix G**.

6 ANALYTICAL RESULTS

6.1 Storm Sewer Samples

A summary of the influent and effluent analytical results is included in **Table 3**. Consistent with prior reports, only detected compounds are listed on the tables. Laboratory data reports and completed data tables for all compounds are included in **Appendix H**.

There were no detections of VOCs or SVOCs above NYSDEC Class A Surface Water Standard in five of the six samples collected. The April 17, 2018 storm water outlet sample reported two compounds slightly above standards. Benzene and Naphthalene were detected with concentrations of 1.4 µg/L (estimated) compared to a standard of 1 µg/L and 23 µg/L compared to a standard of 10 µg/L, respectively.

There were several inorganics which were detected in both inlet and outlet samples with concentrations above the Standard. These include aluminum, iron, manganese, magnesium, sodium, vanadium and cyanide. Concentrations were typically higher in the outlet samples for those instances where there was an inorganic exceedance.

6.2 Soil Sample Results

Validated soil analytical results for detected compounds are summarized and compared to potentially applicable Soil Cleanup Objectives (SCOs). **Table 4** and **Figure 9** provide summaries of the soil analytical results where detections were identified. The full data tables and laboratory data reports are include in Appendix H.

6.2.1 CENTER AREA RESULTS

In the Center Area, soil samples were collected from borings B-1, B-4, B-5, B-7, B-8, and B-9 at depths corresponding to elevated PID readings or visible signs of contamination as well as from depths where there were no signs of contamination.

Two soil borings in the Center Area exhibited elevated PID readings:

- B-4 (1.2 ppm from 1.0 to 1.3 ft bgs)
- B-9 (a high of 2,000 ppm from 0.9 to 4.8 ft bgs)

Additionally, samples from B-9 exhibited a strong odor from 0.9 to 4.8 ft bgs and 5.0 to 10.0 ft bgs. All other soil samples exhibited no indications of VOCs using a PID or noticeable odor.

Analytical results for surface and subsurface soil samples show detections for:

- VOCs (primarily BTEX compounds) in 6 samples from 3 locations
- SVOCs in 5 samples from 3 locations
- Chromium in 9 samples from all 6 locations
- Cyanide in 1 sample from 1 location

The only exceedances of SCOs were for VOCs in all 3 samples from boring B-9, where concentrations for all BTEX compounds exceeded the SCOs for Commercial use.

6.2.2 EAST AREA RESULTS

In the East Area, soil samples were collected from B-12, B-14, B-15, B-16, B-17, B-18, B-19, B-20, B-29, and B-30 from various depths corresponding to elevated PID readings or visible signs of contamination as well as from depths where there were no signs of contamination.

Five soil borings in the East Area exhibited elevated PID readings:

- B-14 (1.2 ppm from 0.4 to 0.6 ft bgs)
- B-16 (75.3 ppm from 0.4 to 1.7 ft bgs)
- B-17 (1.2 ppm from 0.7 to 1.0 ft bgs)
- B-18 (35.2 ppm from 0.9 to 1.8 ft bgs)
- B-30 (53.2 ppm from 0.5 to 1.5 ft bgs)

Additionally, samples from borings B-14 (0.4 to 0.6 ft bgs), B-16 (0.4 to 1.7 ft bgs), and B-30 (0.5 to 1.5 ft bgs) exhibited a strong odor. All other soil samples exhibited no detections of VOCs using a PID or any noticeable odors during boring advancement.

Analytical results for surface and subsurface soil samples show detections for:

- VOCs (primarily BTEX compounds) in 10 samples from 7 locations
- SVOCs in all 15 samples from all 10 locations
- Chromium in 15 samples from all 10 locations
- Cyanide in 2 samples from 2 locations

VOCs (primarily BTEX compounds) exceeded Unrestricted SCOs in 4 samples at 4 locations, but were never detected at concentrations exceeding Commercial SCOs. Chromium exceeded the Unrestricted SCOs in 1 sample at 1 location. SVOCs were detected above the Industrial SCOs in 5 samples at 4 locations.

6.3 Observations of Tar

Based on site inspections and the results from the soil borings, surface and subsurface tar is present in the western end of the East Area. A summary of coal tar materials observed locations, depths, and details are provided on **Figure 10**. Detailed observations of tar are shown in boring logs in **Appendix A**.

Three borings with observed tar (B-16, B-18, B-30) are located along the railroad tracks at the southern property line in the East Area. One boring with observed tar was in the proximity of visible tar at the surface (B-14).

The tar at Tonawanda Plastics Site may be the result of local disposal and/or leaking tanks, rail cars or piping. When encountered, the tar was characterized as a pliable tar/fill mixture and located near process or storage areas.

Consistent with reporting for the ongoing investigations of the former TCC Site, the different varieties of coal tar material have been classified into the following categories, which are based on consistency and composition:

- **Tar Saturated**

  Low viscosity tar that moves from the matrix. This is the only category of tar that would be potentially mobile.

- **Coated Material**

  Low viscosity tar that does not move independently from the matrix and the matrix is not saturated.

- **Pliable Tar and Pliable Tar/Fill Mixture**

  Does not move freely but can be deformed by hand and will hold the shape.

- **Hardened Tar, Hardened Tar/Fill Mixture**

  Does not move freely and cannot be deformed by hand.

6.4 Physical Properties of Subsurface

In general, very little fill material was encountered in the Eastern Area and the investigated portion of the Central Area. For the majority of the area evaluated fill thicknesses were less than 12-inches and were associated with former roads and rail beds. The predominant subsurface material consisted of a red clay with mixed in gravel and sand.

6.5 Groundwater Samples

Validated groundwater sample results collected from MW-14 on December 10, 2020 are shown in **Table 5**. A groundwater sample could not be collected from MW-13 as the well did not produce a sufficient volume of water.

VOCs and SVOCs were not detected above the laboratory reporting limit in the sample collected from MW-14. Total cyanide was estimated at a concentration of 0.005 mg/L in the duplicate sample collected. Chromium was detected in the groundwater sample from MW-14 at 0.0094 mg/L. The detected concentrations of chromium and cyanide were below the NYSDEC Class GA Groundwater Standards.

7 CONCLUSIONS

The work completed documented in this report supports the following conclusions:

- Based on prior investigations, groundwater in the area of the storm sewers has been impacted by VOCs, potentially from upgradient sources in the vicinity of site operations in the West Area. There is a potential for groundwater to be migrating into the storm sewers based on groundwater elevation measurements. However, if this is occurring, sampling indicates that impacts to surface water are minor. Absent stormwater, the sewer flow was observed to stop, suggesting little sustained infiltration.
- Minimal fill material was encountered in the East Area and the investigated portion of the Central Area. Fill thicknesses were less than 12-inches for the majority of the area evaluated.
- Most of the borings indicated no field evidence of contamination or had no exceedances of SCOs. However, there were sporadic exceedances of commercial and/or industrial SCOs at some locations, as well as field observations of pliable or hardened tar at some locations on the East Area of the Site.
- At both MW-13 and WM-14 monitoring well locations, there was a foot or less of fill overlying the clay unit. Therefore, the wells provide information regarding the underlying clay unit rather than the shallow zone of backfill represented by most of the other existing wells on site. A groundwater sample could not be collected from MW-13 as it did not produce a sufficient volume of water. VOCs and SVOCs were not detected above the laboratory reporting

limit in the sample collected from MW-14. Total cyanide and chromium were detected at concentrations below the NYSDEC Class GA Groundwater Standard.

8 References

CRA. 1997. *Remedial Investigation Summary Report Tonawanda Coke Corporation*. Conestoga-Rovers and Associates, May 1997.

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FIGURES

Plotted By:

Plot Date: 9/6/2021

Figure 1

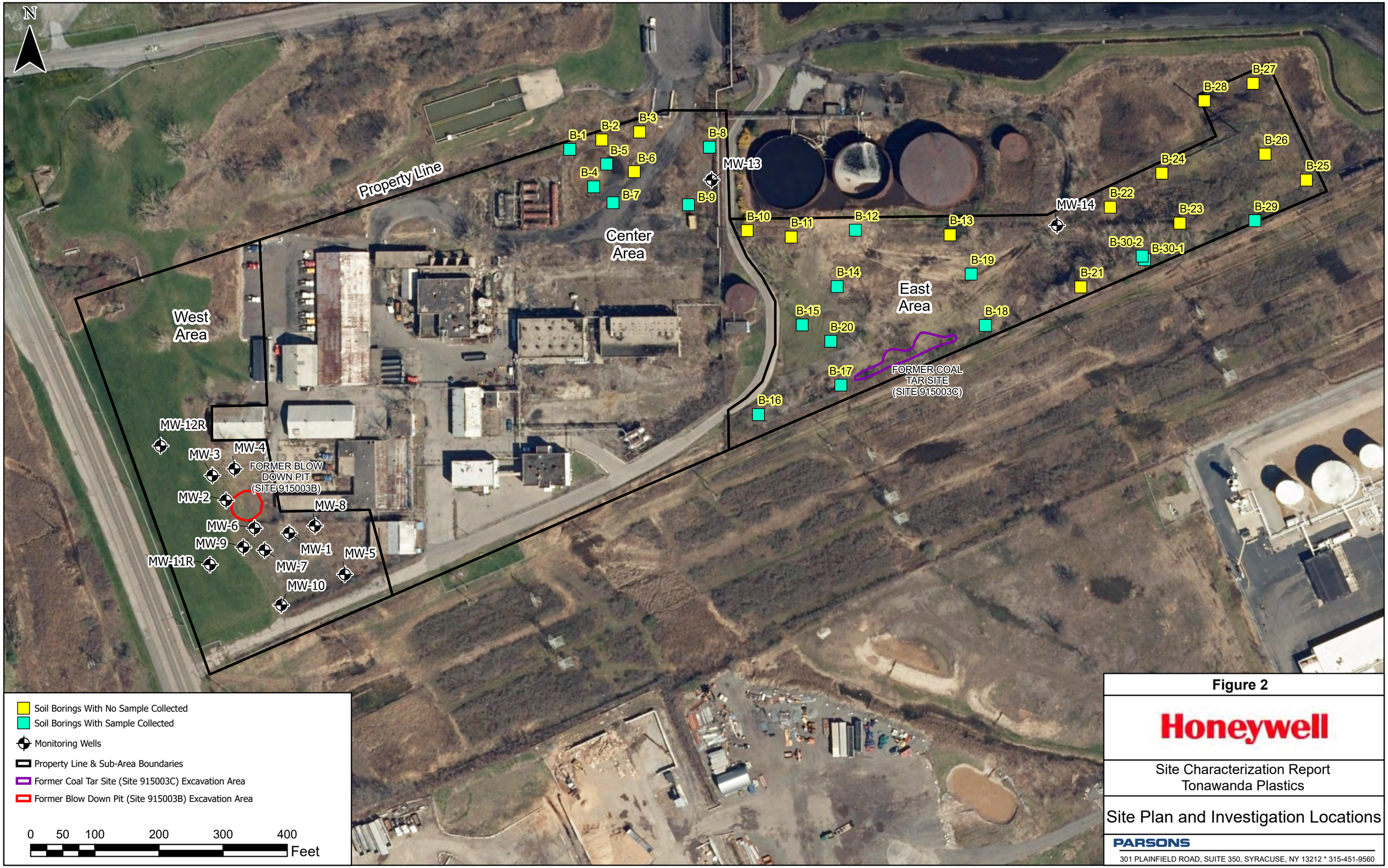
Honeywell

Site Characterization Report
Tonawanda Plastics

Site Location

PARSONS
301 PLAINFIELD ROAD, SUITE 350, SYRACUSE, NY 13212 * 315-451-9560

Document Path: C:\Users\p003308e\OneDrive - Parsons Corp\Documents\ArcGIS\Projects\Tonawanda Plastics\Tonawanda Plastics.aprx



Plotted By:

Plot Date: 9/17/2021

Figure 2

Honeywell

Site Characterization Report
Tonawanda Plastics

Site Plan and Investigation Locations

PARSONS
301 PLAINFIELD ROAD, SUITE 350, SYRACUSE, NY 13212 * 315-451-9560

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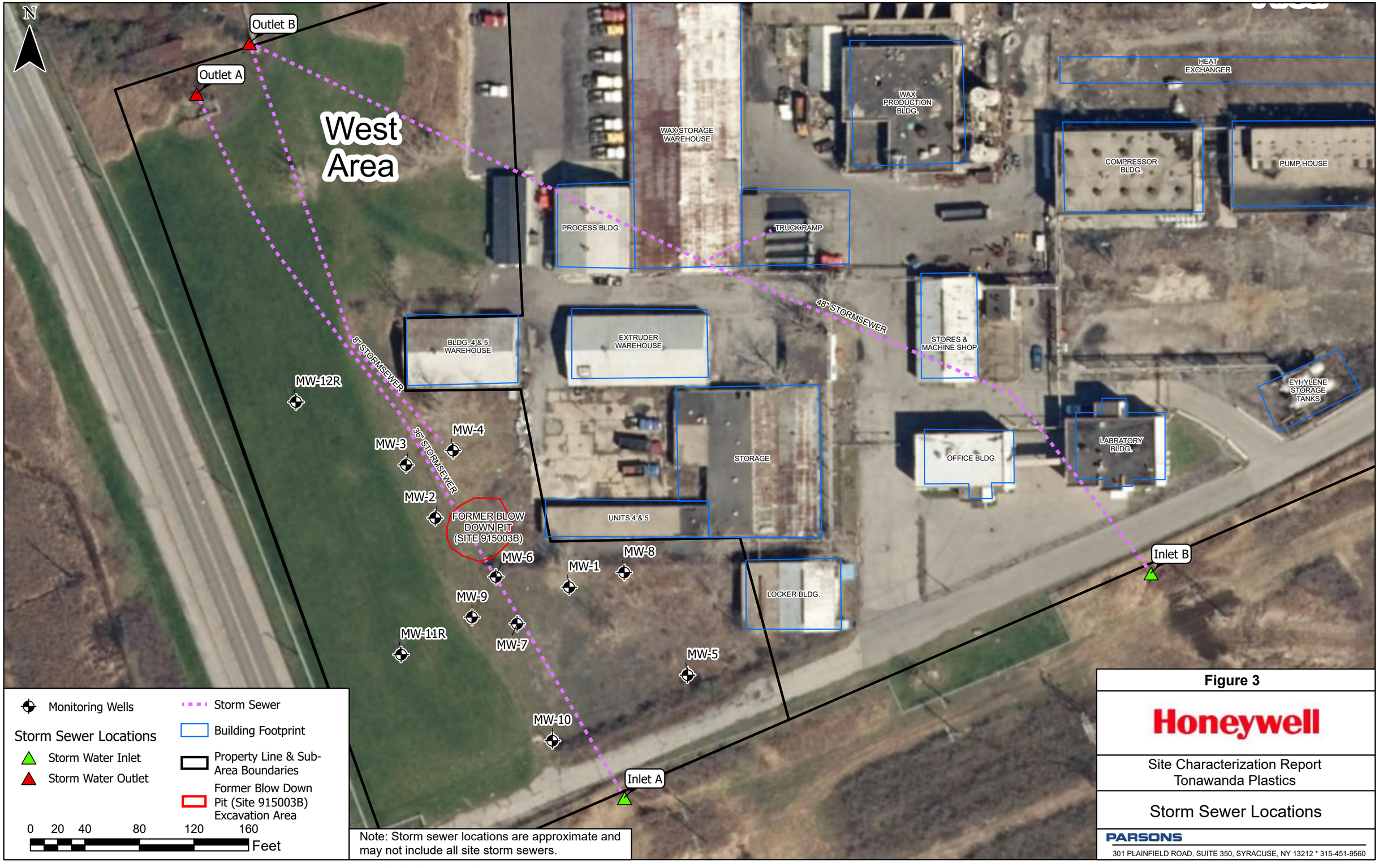

Plotted By:

Plot Date: 9/10/2021

Figure 3

Honeywell

Site Characterization Report
Tonawanda Plastics

Storm Sewer Locations

PARSONS
301 PLAINFIELD ROAD, SUITE 350, SYRACUSE, NY 13212 * 315-451-9560

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N

BLDG. 4 & 5 WAREHOUSE (SITE 915003B)

EXTRUDER WAREHOUSE (SITE 915003B)

STORES & MACHINE SHOP (SITE 915003B)

8" STORMSEWER

36" STORMSEWER

48" STORMSEWER

MW-12R 565.95*

MW-4 578.67

MW-3 580.43

STORAGE (SITE 915003B)

OFFICE BLDG. (SITE 915003B)

MW-2 580.35

FORMER BLOW DOWN PIT (SITE 915003B)

UNITS 4 & 5 (SITE 915003B)

MW-8 -

MW-6 576.72

MW-1 578.02

LOCKER BLDG. (SITE 915003B)

MW-7 575.37

MW-9 577.78

MW-11R 571.08*

MW-5 580.06

MW-10 577.82

580 579 575 576 577 578 579 580

Monitoring Wells

Groundwater Potentiometric Flow Line

579 Groundwater Potentiometric Contour

Storm Sewer - Invert Elevation of 574.25

Former Blow Down Pit (Site 915003B) Excavation Area

Building Footprint

Property Line

0 15 30 60 90 120 Feet

Groundwater elevations measured on 02/16/2018. Groundwater elevations based on site datum. MW-11R and MW-12R were not used to generate the contours as they are screened deeper than surrounding wells.

Note: Storm sewer locations are approximate and may not include all site storm sewers.

Plotted By: TS

Plot Date: 9/17/2021

Figure 4

Honeywell

Site Characterization Report
Tonawanda Plastics

Groundwater Potentiometric Surface Map, February 2018

PARSONS
301 PLAINFIELD ROAD, SUITE 350, SYRACUSE, NY 13212 * 315-451-9560

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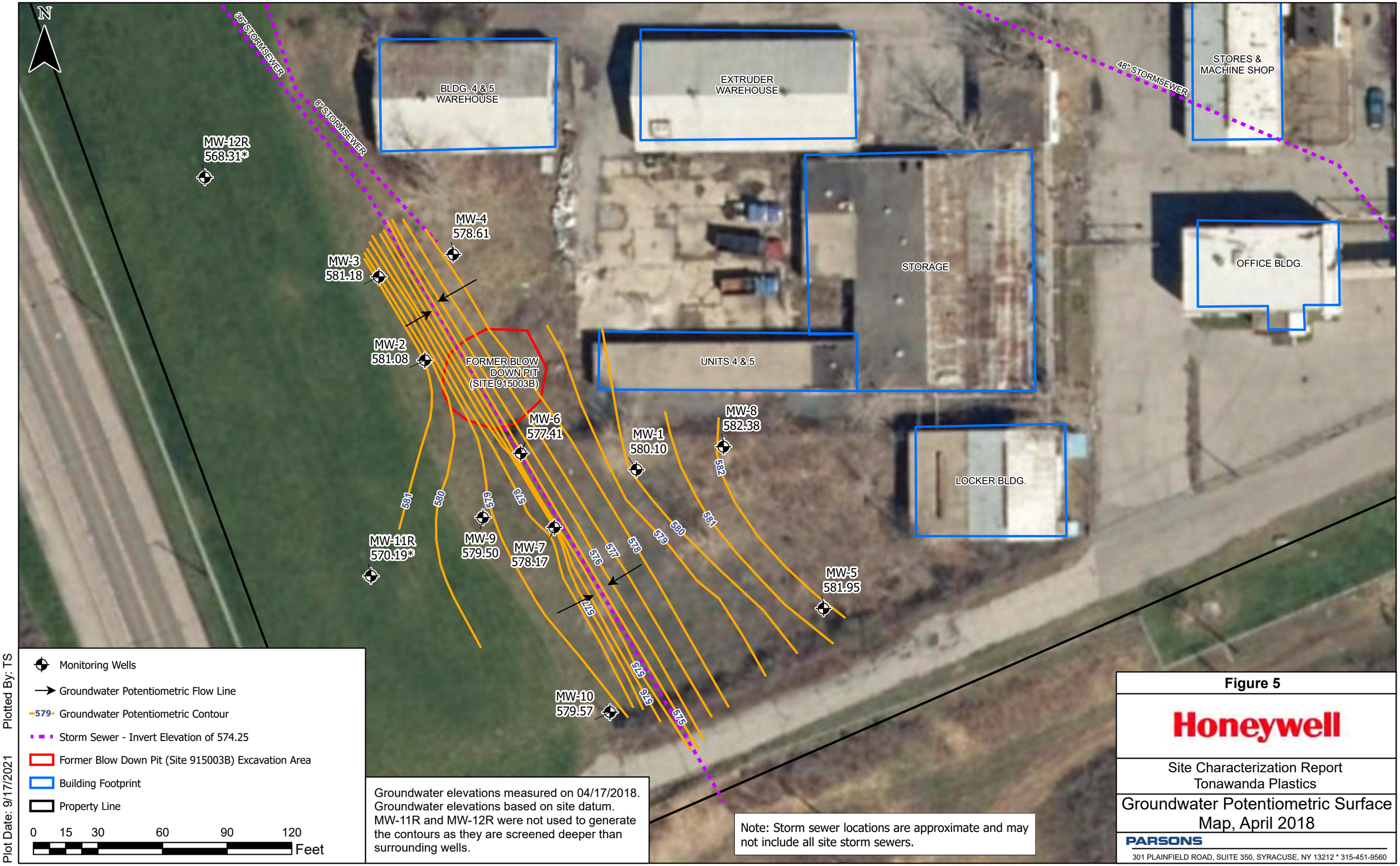

Monitoring Wells
Groundwater Potentiometric Flow Line
579 Groundwater Potentiometric Contour
Storm Sewer - Invert Elevation of 574.25
Former Blow Down Pit (Site 915003B) Excavation Area
Building Footprint
Property Line

0 15 30 60 90 120 Feet

Groundwater elevations measured on 04/17/2018.
Groundwater elevations based on site datum.
MW-11R and MW-12R were not used to generate the contours as they are screened deeper than surrounding wells.

Note: Storm sewer locations are approximate and may not include all site storm sewers.

Plotted By: TS
Plot Date: 9/17/2021

Figure 5

Honeywell

Site Characterization Report
Tonawanda Plastics

Groundwater Potentiometric Surface Map, April 2018

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301 PLAINFIELD ROAD, SUITE 350, SYRACUSE, NY 13212 * 315-451-9560

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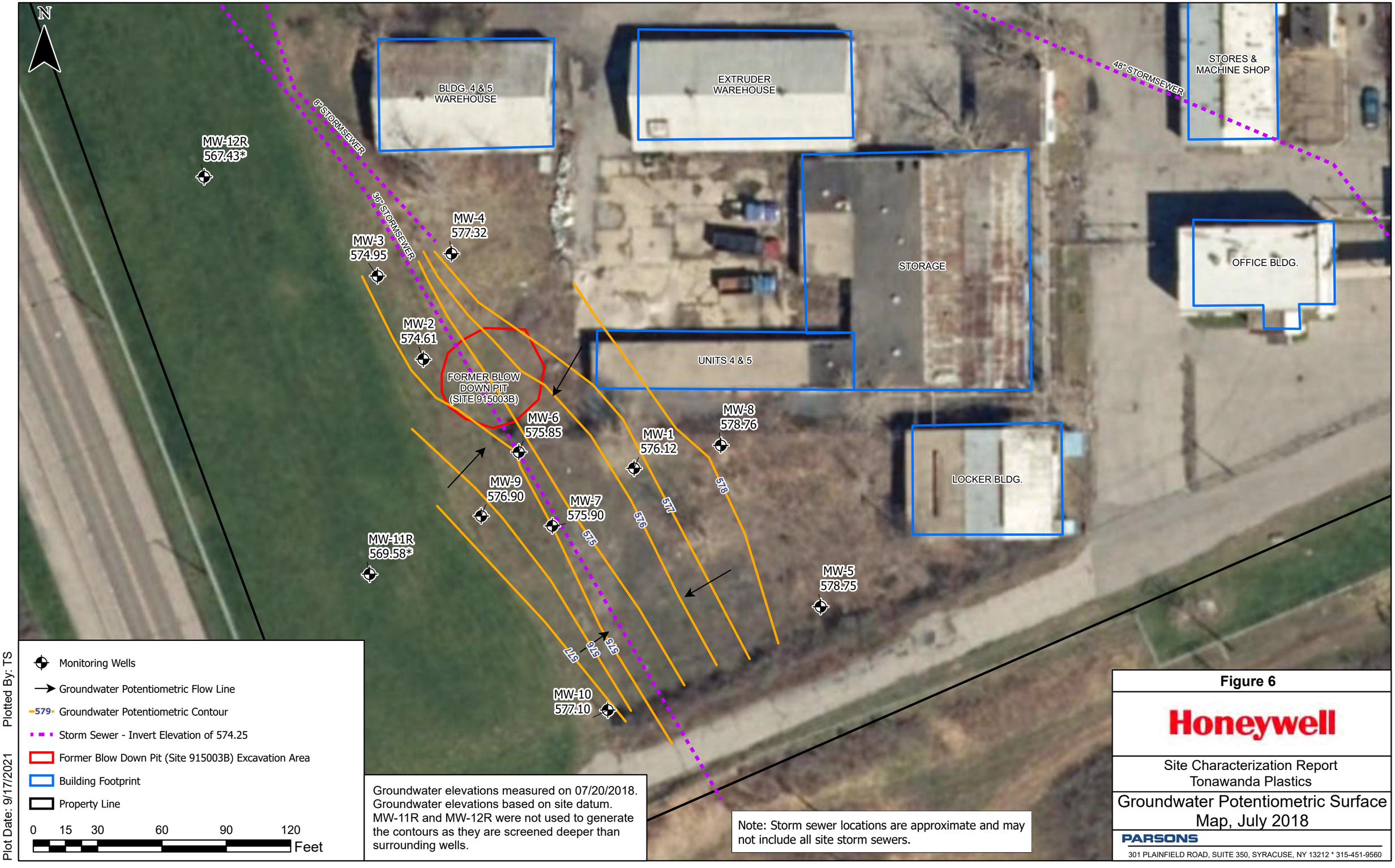

Plotted By: TS

Plot Date: 9/17/2021

Groundwater elevations measured on 07/20/2018. Groundwater elevations based on site datum. MW-11R and MW-12R were not used to generate the contours as they are screened deeper than surrounding wells.

Note: Storm sewer locations are approximate and may not include all site storm sewers.

Figure 6

Honeywell

Site Characterization Report
Tonawanda Plastics

Groundwater Potentiometric Surface Map, July 2018

PARSONS
301 PLAINFIELD ROAD, SUITE 350, SYRACUSE, NY 13212 * 315-451-9560

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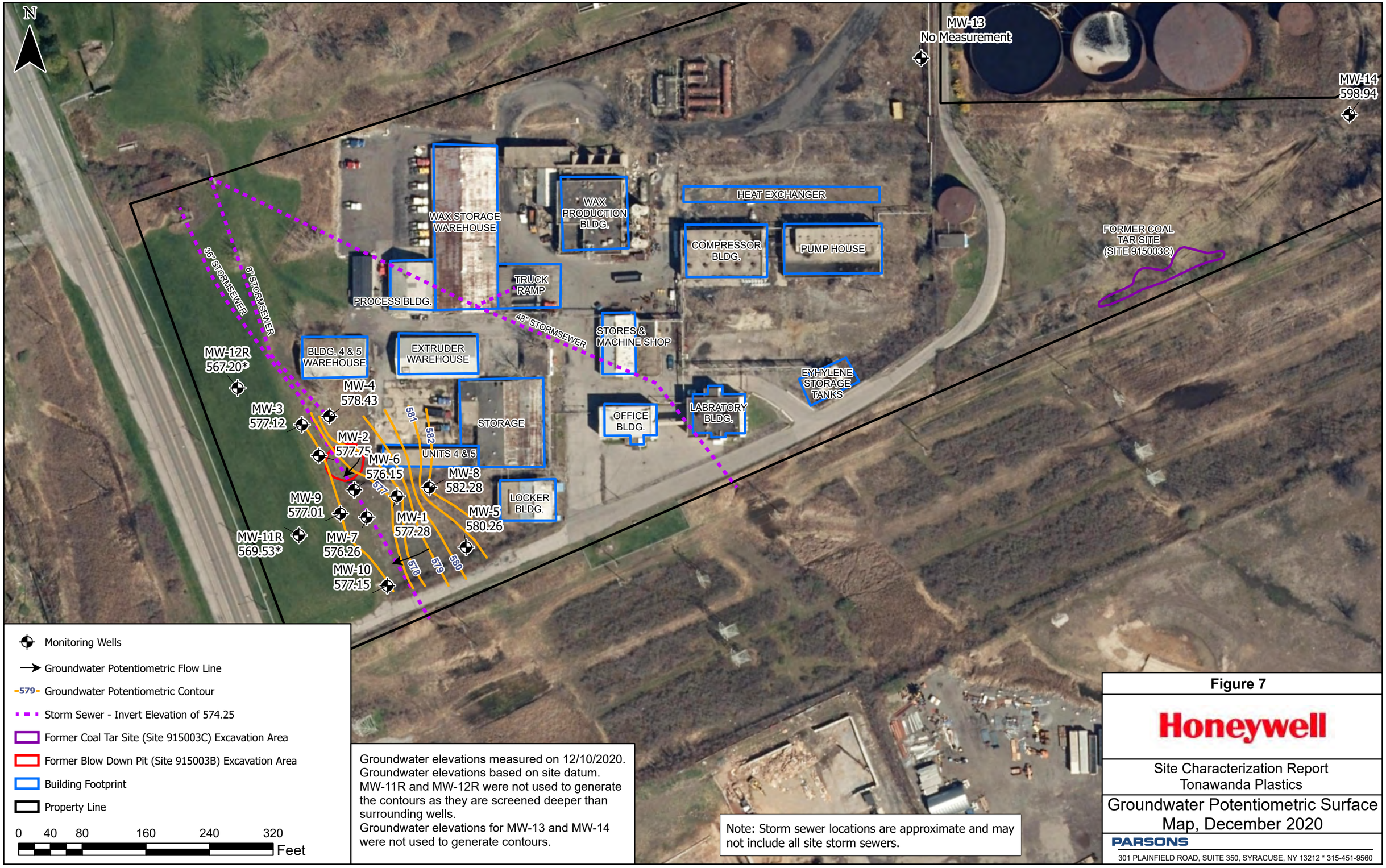

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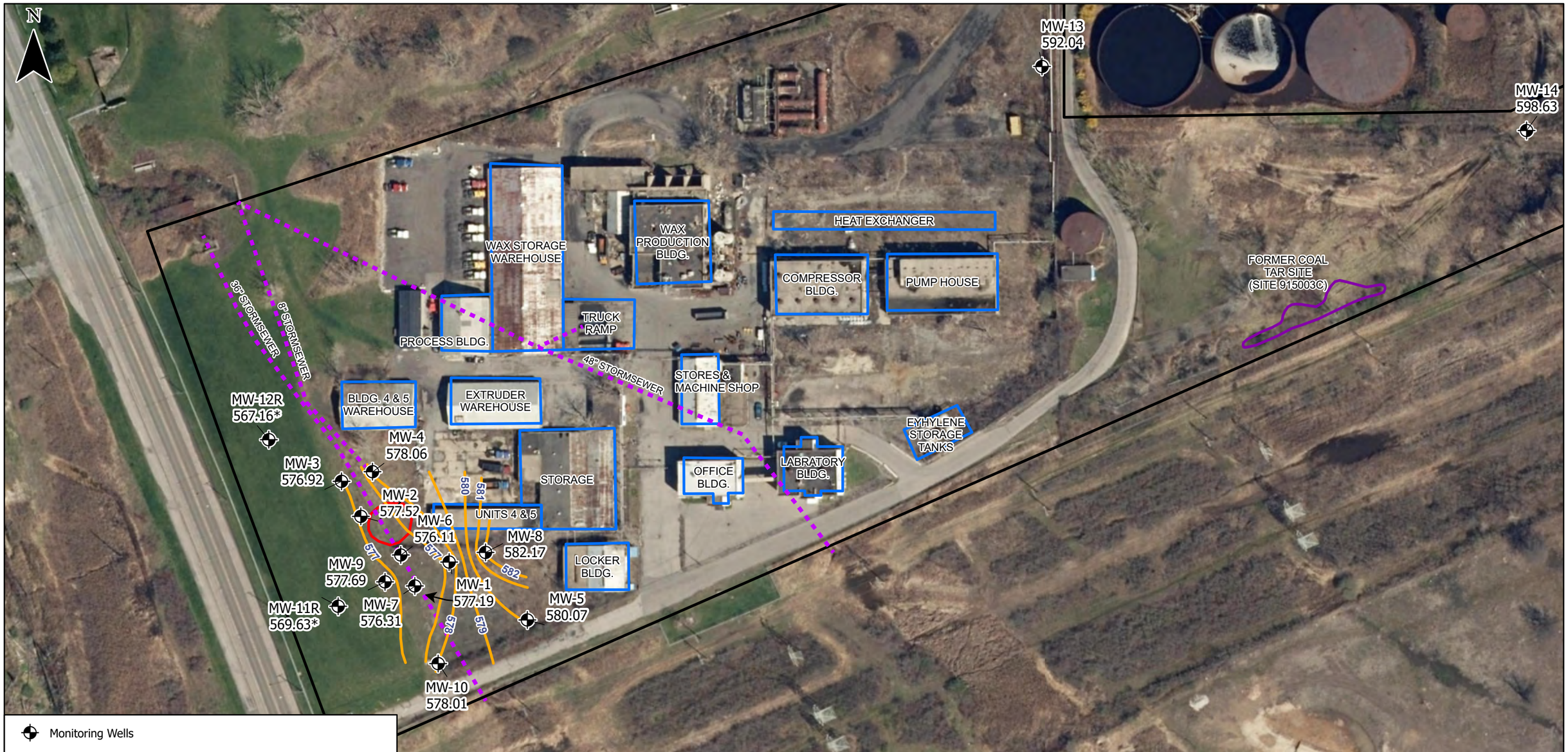

Groundwater elevations measured on 01/11/2021.
Groundwater elevations based on site datum.
*MW-11R and MW-12R were not used to generate the contours as they are screened deeper than surrounding wells.
Groundwater elevations for MW-13 and MW-14 were not used to generate contours.

Note: Storm sewer locations are approximate and may not include all site storm sewers.

Plotted By: TS

Plot Date: 9/17/2021

Figure 8

Honeywell

Site Characterization Report
Tonawanda Plastics

Groundwater Potentiometric Surface Map, January 2021

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N

B-1
B-2
B-3
B-4
B-5
B-6
B-7
B-8
B-9
1-1.3
9.5-10
MW-13
B-10
B-11
B-12
B-13
MW-14
B-22
B-23
B-24
B-25
B-26
B-27
B-28
B-29
1.8-2.3
B-30-2
B-30-1
0.5-1
B-19
B-21
B-14
4.5-5
B-15
B-20
B-18
0.9-1.4
B-17
B-16
0.9-1.4

Center Area

East Area

FORMER COAL TAR SITE (SITE 915003C)

0.9-1.4 Deepest Exceedance (feet below ground surface)

Monitoring Wells

Soil Borings
- Exceeds Industrial
- Exceeds Commercial
- Exceeds Unrestricted
- No Exceedance
- Not Sampled

Property Line & Sub-Area Boundaries

Former Coal Tar Site (Site 915003C) Excavation Area

0 25 50 100 150 200 Feet

Plotted By:

Plot Date: 9/16/2021

Figure 9

Honeywell

Site Characterization Report
Tonawanda Plastics

Soil Sample Results

PARSONS
301 PLAINFIELD ROAD, SUITE 350, SYRACUSE, NY 13212 * 315-451-9560

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N

B-1
B-2
B-3
B-4
B-5
B-6
B-7
B-8
B-9
MW-13
1-1.3
B-10
B-11
B-12
B-13
MW-14
B-14
B-15
B-16
B-17
B-18
B-19
B-20
B-21
B-22
B-23
B-24
B-25
B-26
B-27
B-28
B-29
B-30-1
B-30-2
0.5-1.5
0.9-1.8
0.4-1.7

Center Area

East Area

Tar Not Observed

4.3 - 6.5 **Depth of Tar Material Feet Below Ground Surface**

Monitoring Well Location

Tar Material Observed in Soil Boring:

Tar Saturated

Pliable Tar, Pliable Tar/Fill Mixture, Coated Material

Hardened Tar, Hardened Tar/Fill Mixture, Crystalline Tar

Former Coal Tar Site (Site 915003C)

Pliable Tar Observed at the Ground Surface

Property Line & Sub-Area Boundaries

0 50 100 200 Feet

Plotted By: EBS

Plot Date: 10/1/2021

Figure 10

Honeywell

Site Characterization Report
Tonawanda Plastics

Tar Locations

PARSONS
301 PLAINFIELD ROAD, SUITE 350, SYRACUSE, NY 13212 * 315-451-9560

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TABLES

TABLE 1
TONAWANDA PLASTICS
SEWER INVESTIGATION WEATHER DATA

Day		February 2018 Rainfall (inches)	February 2018 Snow Depth (inches)	April 2018 Rainfall (inches)	June 2108 Rainfall (inches)
1		-	4.02	0.26	-
2		-	-	-	0.77
3		-	-	-	-
4		0.08	-	0.54	0.04
5		0.13	0.98	0.03	0.09
6		0.06	2.01	-	-
7		0.02	2.01	0.13	-
8		0.26	5.98	-	-
9		-	5.00	-	-
10		0.24	7.99	-	-
11		0.18	7.99	-	-
12		0.07	5.98	-	-
13		-	5.98	0.04	0.04
14		-	5.00	0.02	0.06
15		-	2.01	0.28	-
16		0.02	-	1.19	-
17		0.01	-	0.62	-
18		-	-	-	-
19		-	-	-	-
20		-	-	-	-
21		0.32	-	-	-
22		0.20	-	-	-
23		-	-	-	0.09
24		0.17	-	-	0.04
25		0.22	-	0.26	0.16
26		0.05	-	0.20	-
27		-	-	-	0.14
28		-	-	-	0.06
29				0.24	-
30				-	-
31					

Precipitation data obtained Niagara Falls Airport Weather Station

Sample collection dates

TABLE 2
TONAWANDA PLASTICS
GROUNDWATER ELEVATIONS

Monitoring Well	Top of PVC Casing Elevation (ft AMSL)	Ground Surface Elevation (ft AMSL)	NORTH COORDINATES	EAST COORDINATES	Measured Well Depth (feet BTOC)	Depth to Water (feet BTOC)	Groundwater Elevation (ft AMSL)	Depth to Water (feet BTOC)	Groundwater Elevation (ft AMSL)	Depth to Water (feet BTOC)	Groundwater Elevation (ft AMSL)	Depth to Water (feet BTOC)	Groundwater Elevation (ft AMSL)	Depth to Water (feet BTOC)	Groundwater Elevation (ft AMSL)
						2/16/2018	2/16/2018	4/17/2018	4/17/2018	7/20/2018	7/20/2018	12/10/2020	12/10/2020	1/11/2021	1/11/2021
MW-1	585.60	583.00	1085637.70	1054763.10	11.58	7.58	578.02	5.50	580.10	9.48	576.12	8.32	577.28	8.41	577.19
MW-2	583.76	581.80	1085688.53	1054664.83	11.76	3.41	580.35	2.68	581.08	9.15	574.61	6.01	577.75	6.24	577.52
MW-3	582.65	581.30	1085727.38	1054643.48	11.40	2.22	580.43	1.47	581.18	7.70	574.95	5.53	577.12	5.73	576.92
MW-4	584.04	581.40	1085737.83	1054677.95	11.75	5.37	578.67	5.43	578.61	6.72	577.32	5.61	578.43	5.98	578.06
MW-5	587.00	584.60	1085573.26	1054850.05	10.90	6.94	580.06	5.05	581.95	8.25	578.75	6.74	580.26	6.93	580.07
MW-6	584.87	582.40	1085645.34	1054709.37	11.25	8.15	576.72	7.46	577.41	9.02	575.85	8.72	576.15	8.76	576.11
MW-7	586.21	582.10	1085610.85	1054724.96	11.60	10.84	575.37	8.04	578.17	10.31	575.90	9.95	576.26	9.90	576.31
MW-8	585.85	583.90	1085648.47	1054803.55	15.20	-	-	3.47	582.38	7.09	578.76	3.57	582.28	3.68	582.17
MW-9	585.30	582.30	1085615.55	1054691.81	12.65	7.52	577.78	5.80	579.50	8.40	576.90	8.29	577.01	7.61	577.69
MW-10	586.67	584.00	1085524.96	1054750.83	12.35	8.85	577.82	7.10	579.57	9.57	577.10	9.52	577.15	8.66	578.01
MW-11R	596.89	594.00	1085588.29	1054639.78	42.80	25.81	571.08	26.70	570.19	27.31	569.58	27.36	569.53	27.26	569.63
MW-12R	591.33	588.80	1085773.59	1054562.66	37.82	25.38	565.95	23.02	568.31	23.90	567.43	24.13	567.20	24.17	567.16
MW-13	598.73	595.40	1086188.4	1055422.1	13.33	-	-	-	-	-	-	DRY	-	6.69	592.04
MW-14	603.99	600.20	1086117.1	1055960.7	15.41	-	-	-	-	-	-	5.05	598.94	5.36	598.63

Notes:

MW-11R and MW-12R were installed on 10/5/2016 to replace decommissioned wells MW-11 and MW-12, respectively.

All MW except MW-13 and MW-14 were surveyed by Wendel on 10/26/2016. MW-13 and MW-14 were surveyed by Wendel on 03/11/2021.
Horizontal control is referenced to the New York State Plane Coordinate System, North American Datum of 1983 (NAD83), Western Zone (US Survey Feet)
- = Not Measured
BTOC = Below Top of Casing
AMSL = Above Mean Sea Level
36-inch sewer influent invert elevation : 574.25

TABLE 3
TONAWANDA PLASTICS
SEWER SAMPLE ANALYTICAL RESULTS

DETECTED COMPOUND SUMMARY				HIGH FLOW EVENT -SNOW MELT				STORM EVENT - RAIN STORM				LOW FLOW EVENT			
		NYSDEC Class A Surface Water Standards/Guidance	Location ID Field Sample ID Date Sampled SDG Matrix	SW-36INF (Inlet A) 36 INLET-02162018 02/16/2018 480-131426-1 WATER		SW-36EFF (Outlet A) 36 OUTLET-02162018 02/16/2018 480-131426-1 WATER		SW-36INF (Inlet A) 36 INLET-04172018 04/17/2018 480-134303-1 WATER		SW-36EFF (Outlet A) 36 OUTLET-04172018 04/17/2018 480-134303-1 WATER		SW-36INF (Inlet A) 36 INLET_07202018 07/20/2018 480-139309-1 WATER		SW-36EFF (Outlet A) 36 OUTLET_07202018 07/20/2018 480-139309-1 WATER	
CAS No.	PARAMETER	Values [1]	Units												
VOLATILE ORGANIC COMPOUNDS															
71-43-2	BENZENE	1	ug/l	1.0	U	0.6	J	2.0	U	**1.4**	**J**	2.0	U	2.0	U
75-15-0	CARBON DISULFIDE	NS	ug/l	1.0	U	0.7	J	2.0	U	1.7	J	2.0	U	2.0	U
156-59-2	CIS-1,2-DICHLOROETHENE	5	ug/l	1.0	U	1.4		2.0	U	2.0	U	2.0	U	2.6	
75-09-2	METHYLENE CHLORIDE	5	ug/l	1.0	U	1.0	U	1.8	J	1.4	J	1.2	J	2.0	U
79-01-6	TRICHLOROETHENE	5	ug/l	1.0	U	0.9	J	2.0	U	2.0	U	2.0	U	2.0	U
SEMI-VOLATILE ORGANIC COMPOUNDS															
91-57-6	2-METHYLNAPHTHALENE	NS	ug/l	5.0	U	0.7	J	5.0	U	1.5	J	5.0	U	5.0	U
86-73-7	FLUORENE	50 (G)	ug/l	5.0	U	5.0	U	5.0	U	0.4	J	5.0	U	5.0	U
91-20-3	NAPHTHALENE	10	ug/l	5.0	U	8.8		5.0	U	**23.0**		5.0	U	5.0	U
INORGANICS															
7429-90-5	ALUMINUM	0.1	mg/L	0.10	J	**0.75**		**0.28**		**2.7**		**0.50**		**0.17**	**J**
7440-39-3	BARIUM	1	mg/L	0.045		0.044		0.036		0.035		0.086		0.077	
7440-43-9	CADMIUM	0.005	mg/L	0.0005	U	0.0005	U	0.0005	U	0.00063	J	0.0005	U	0.00056	J
7440-70-2	CALCIUM	NS	mg/L	100		106		81		88		147		238	
7440-47-3	CHROMIUM	0.05	mg/L	0.001	U	0.0038	J	0.001	U	0.022		0.003	J	0.001	U
7440-48-4	COBALT	0.005	mg/L	0.00063	U	0.00063	J	0.00063	U	0.0035	J	0.00063	U	0.0029	J
7440-50-8	COPPER	200	mg/L	0.0025	J	0.0022	J	0.0031	J	0.0062	J	0.0026	J	0.0016	U
7439-89-6	IRON	0.3	mg/L	**0.32**		**3.8**		**0.31**		**13.8**		**1.7**		**3.3**	
7439-92-1	LEAD	0.05	mg/L	0.003	U	0.003	U	0.0039	J	0.029		0.003	U	0.003	U
7439-95-4	MAGNESIUM	35	mg/L	20.7		21.5		16.6		19.4		58.6		45.0	
7439-96-5	MANGANESE	0.3	mg/L	0.16		0.22		0.05		0.16		4.3		3.7	
7440-02-0	NICKEL	0.1	mg/L	0.0013	U	0.0066	J	0.0013	U	0.032		0.0022	J	0.022	
7440-09-7	POTASSIUM	NS	mg/L	5.5		5.5		5.4		5.4		8.6		6.4	
7440-23-5	SODIUM	20	mg/L	**37.8**		**46.0**		**23.1**		**27.8**		**63.7**		**83.4**	
7440-62-2	VANADIUM	0.015	mg/L	0.0015	U	0.0084		0.0015	U	0.056		0.0015	U	0.0015	U
7440-66-6	ZINC	2 (G)	mg/L	0.0064	J	0.025		0.01	U	0.083		0.01	U	0.14	
57-12-5	CYANIDE	0.2	mg/L	0.005	UJ	0.014		0.005	U	0.025		0.049		0.24	

Notes:

	Only data for detected parameters are shown
BOLD	Indicates concentration exceeds standard or guidance value.
(G)	Indicates guidance value.
NS	No standard or guidance value available.
U	Indicates compound was not detected.
J	Indicates an estimated concentration.
ug/L	Micrograms per liter
(1)	Taken from NYSDEC TOGs 1.1.1

TABLE 4
TONAWANDA PLASTICS
SOIL SAMPLE ANALYTICAL RESULTS
(detections only)

							Location ID	B-1	B-4	B-4	B-5
							Field Sample ID	B-1-11112020-1.5-2.0	B-4-11112020-0.8-1.3	B-4-11112020-1.5-2.0	B-5-11112020-0.6-1.1
							Sample Depth (ft)	1.5-2	0.8-1.3	1.5-2	0.6-1.1
							Area	CENTER AREA	CENTER AREA	CENTER AREA	CENTER AREA
							Sample Date	11/11/2020	11/11/2020	11/11/2020	11/11/2020
							Matrix	SOIL	SOIL	SOIL	SOIL
Method	CAS_RN	Chemical Name	UNRESTRICTED USE SCO	COMMERCIAL SCO	INDUSTRIAL SCO	Unit					
SW8260	67-64-1	Acetone	50	500000	1000000	ug/kg		20 U	31 UJ	11 J	20 U
SW8260	71-43-2	Benzene	**60**	**44000**	89000	ug/kg		3.9 U	0.54 J	3.9 U	4 U
SW8260	100-41-4	Ethylbenzene	**1000**	390000	780000	ug/kg		3.9 U	6.2 UJ	3.9 U	4 U
SW8260	100-42-5	Styrene	NS	NS	NS	ug/kg		3.9 U	6.2 UJ	3.9 U	4 U
SW8260	108-88-3	Toluene	**700**	500000	1000000	ug/kg		3.9 U	1.2 J	3.9 U	4 U
SW8260	1330-20-7	Total Xylenes	**260**	500000	1000000	ug/kg		7.8 U	12 UJ	7.8 U	7.9 U
SW8270	83-32-9	Acenaphthene	**20000**	**500000**	1000000	ug/kg		200 U	180 U	200 U	200 U
SW8270	208-96-8	Acenaphthylene	**100000**	**500000**	**1000000**	ug/kg		200 U	180 U	200 U	200 U
SW8270	120-12-7	Anthracene	**100000**	**500000**	**1000000**	ug/kg		200 U	180 U	200 U	200 U
SW8270	56-55-3	Benzo(A)Anthracene	**1000**	**5600**	**11000**	ug/kg		21 J	26 J	200 U	200 U
SW8270	50-32-8	Benzo(A)Pyrene	**1000**	**1000**	**1100**	ug/kg		200 U	180 U	200 U	200 U
SW8270	205-99-2	Benzo(B)Fluoranthene	**1000**	**5600**	**11000**	ug/kg		200 U	180 U	200 U	200 U
SW8270	191-24-2	Benzo(G,H,I)perylene	**100000**	**500000**	**1000000**	ug/kg		200 U	180 U	200 U	200 U
SW8270	207-08-9	Benzo(K)Fluoranthene	**800**	**56000**	**110000**	ug/kg		200 U	180 U	200 U	200 U
SW8270	218-01-9	Chrysene	**1000**	**56000**	**110000**	ug/kg		200 U	180 U	200 U	200 U
SW8270	53-70-3	Dibenzo(a,h)Anthracene	**330**	**560**	**1100**	ug/kg		200 U	180 U	200 U	200 U
SW8270	206-44-0	Fluoranthene	**100000**	**500000**	**1000000**	ug/kg		23 J	58 J	200 U	200 U
SW8270	86-73-7	Fluorene	**30000**	**500000**	**1000000**	ug/kg		200 U	180 U	200 U	200 U
SW8270	193-39-5	Indeno(1,2,3-Cd)Pyrene	**500**	**5600**	**11000**	ug/kg		200 U	180 U	200 U	200 U
SW8270	91-20-3	Naphthalene	**12000**	**500000**	**1000000**	ug/kg		200 U	180	200 U	200 U
SW8270	85-01-8	Phenanthrene	**100000**	**500000**	**1000000**	ug/kg		200 U	91 J	200 U	200 U
SW8270	129-00-0	Pyrene	**100000**	**500000**	**1000000**	ug/kg		200 U	41 J	200 U	200 U
SW6010	7440-47-3	Chromium	**30**	1500	6800	mg/kg		22	6.7	24.2	26.6
SW9012	57-12-5	Cyanide, Total	27	27	10000	mg/kg		1.2 U	1 U	1.1 U	1.1 UJ

Notes:

	Only data for detected parameters are shown
	Indicates concentration exceeds Unrestricted Use SCO.
	Indicates concentration exceeds Unrestricted Commercial SCO.
	Indicates concentration exceeds Industrial Use SCO.
NS	No standard or guidance value available.
U	Indicates compound was not detected.
J	Indicates an estimated concentration.
ug/kg	Micrograms per kilogram

TABLE 4
TONAWANDA PLASTICS
SOIL SAMPLE ANALYTICAL RESULTS
(detections only)

							Location ID	B-7	B-8	B-9	B-9
							Field Sample ID	B-7-11112020-1.7-2.2	B-8-11112020-1.9-2.4	B-9-11112020-0.5-1.0	B-9-11112020-2.0-2.5
							Sample Depth (ft)	1.7-2.2	1.4-2.4	0.5-1	2-2.5
							Area	CENTER AREA	CENTER AREA	CENTER AREA	CENTER AREA
							Sample Date	11/11/2020	11/11/2020	11/11/2020	11/11/2020
							Matrix	SOIL	SOIL	SOIL	SOIL
Method	CAS_RN	Chemical Name	UNRESTRICTED USE SCO	COMMERCIAL SCO	INDUSTRIAL SCO	Unit					
SW8260	67-64-1	Acetone	50	500000	1000000	ug/kg		9.6 J	25 U	12000 U	12000 U
SW8260	71-43-2	Benzene	**60**	**44000**	89000	ug/kg		2 J	5 U	**17000**	**66000**
SW8260	100-41-4	Ethylbenzene	**1000**	390000	780000	ug/kg		4.1 U	5 U	**17000**	**1500 J**
SW8260	100-42-5	Styrene	NS	NS	NS	ug/kg		4.1 U	5 U	2400 U	2400 U
SW8260	108-88-3	Toluene	**700**	500000	1000000	ug/kg		4.1 U	5 U	**14000**	**83000**
SW8260	1330-20-7	Total Xylenes	**260**	500000	1000000	ug/kg		8.3 U	10 U	**120000**	**9200**
SW8270	83-32-9	Acenaphthene	**20000**	**500000**	1000000	ug/kg		200 U	190 U	1100 U	190 U
SW8270	208-96-8	Acenaphthylene	**100000**	**500000**	**1000000**	ug/kg		200 U	190 U	1100 U	190 U
SW8270	120-12-7	Anthracene	**100000**	**500000**	**1000000**	ug/kg		200 U	190 U	1100 U	190 U
SW8270	56-55-3	Benzo(A)Anthracene	**1000**	**5600**	**11000**	ug/kg		200 U	190 U	120 J	190 U
SW8270	50-32-8	Benzo(A)Pyrene	**1000**	**1000**	**1100**	ug/kg		200 U	190 U	1100 U	190 U
SW8270	205-99-2	Benzo(B)Fluoranthene	**1000**	**5600**	**11000**	ug/kg		200 U	190 U	1100 U	190 U
SW8270	191-24-2	Benzo(G,H,I)perylene	**100000**	**500000**	**1000000**	ug/kg		200 U	190 U	1100 U	190 U
SW8270	207-08-9	Benzo(K)Fluoranthene	**800**	**56000**	**110000**	ug/kg		200 U	190 U	1100 U	190 U
SW8270	218-01-9	Chrysene	**1000**	**56000**	**110000**	ug/kg		200 U	190 U	1100 U	190 U
SW8270	53-70-3	Dibenzo(a,h)Anthracene	**330**	**560**	**1100**	ug/kg		200 U	190 U	1100 U	190 U
SW8270	206-44-0	Fluoranthene	**100000**	**500000**	**1000000**	ug/kg		200 U	190 U	170 J	190 U
SW8270	86-73-7	Fluorene	**30000**	**500000**	**1000000**	ug/kg		200 U	190 U	1100 U	190 U
SW8270	193-39-5	Indeno(1,2,3-Cd)Pyrene	**500**	**5600**	**11000**	ug/kg		200 U	190 U	1100 U	190 U
SW8270	91-20-3	Naphthalene	**12000**	**500000**	**1000000**	ug/kg		200 U	190 U	8700	600
SW8270	85-01-8	Phenanthrene	**100000**	**500000**	**1000000**	ug/kg		200 U	190 U	1100 U	190 U
SW8270	129-00-0	Pyrene	**100000**	**500000**	**1000000**	ug/kg		200 U	190 U	1100 U	190 U
SW6010	7440-47-3	Chromium	**30**	1500	6800	mg/kg		23.7	22.8	20.3	22
SW9012	57-12-5	Cyanide, Total	27	27	10000	mg/kg		1.1 U	1.1 U	0.69 J	0.99 U

Notes:

Only data for detected parameters are shown

Indicates concentration exceeds Unrestricted Use SCO.

Indicates concentration exceeds Unrestricted Commercial SCO.

Indicates concentration exceeds Industrial Use SCO.

NS No standard or guidance value available.

U Indicates compound was not detected.

J Indicates an estimated concentration.

ug/kg Micrograms per kilogram

TABLE 4
TONAWANDA PLASTICS
SOIL SAMPLE ANALYTICAL RESULTS
(detections only)

							Location ID	B-9	B-12	B-14	B-14
							Field Sample ID	B-9-11112020-9.5-10.0	B-12-11102020-1.0-1.5	B-14-11102020-0.3-0.8	B-14-11102020-4.5-5.0
							Sample Depth (ft)	9.5-10	1-1.5	0.3-0.8	4.5-5
							Area	CENTER AREA	EAST AREA	EAST AREA	EAST AREA
							Sample Date	11/11/2020	11/10/2020	11/10/2020	11/10/2020
							Matrix	SOIL	SOIL	SOIL	SOIL
Method	CAS_RN	Chemical Name	UNRESTRICTED USE SCO	COMMERCIAL SCO	INDUSTRIAL SCO	Unit					
SW8260	67-64-1	Acetone	50	500000	1000000	ug/kg		13000 U	21 U	51000 U	250 U
SW8260	71-43-2	Benzene	**60**	**44000**	89000	ug/kg		**86000**	4.2 U	**8700 J**	49 U
SW8260	100-41-4	Ethylbenzene	**1000**	390000	780000	ug/kg		**1300 J**	4.2 U	**7100 J**	49 U
SW8260	100-42-5	Styrene	NS	NS	NS	ug/kg		2500 U	4.2 U	10000 U	49 U
SW8260	108-88-3	Toluene	**700**	500000	1000000	ug/kg		**54000**	4.2 U	**19000**	49 U
SW8260	1330-20-7	Total Xylenes	**260**	500000	1000000	ug/kg		**8100**	8.4 U	**37000**	98 U
SW8270	83-32-9	Acenaphthene	**20000**	**500000**	1000000	ug/kg		200 U	210 U	**790000**	710 J
SW8270	208-96-8	Acenaphthylene	**100000**	**500000**	**1000000**	ug/kg		200 U	35 J	**820000**	590 J
SW8270	120-12-7	Anthracene	**100000**	**500000**	**1000000**	ug/kg		200 U	210 U	**1500000**	1100
SW8270	56-55-3	Benzo(A)Anthracene	**1000**	**5600**	**11000**	ug/kg		31 J	210 U	**2000000**	**1600**
SW8270	50-32-8	Benzo(A)Pyrene	**1000**	**1000**	**1100**	ug/kg		34 J	210 U	**2000000**	**1700**
SW8270	205-99-2	Benzo(B)Fluoranthene	**1000**	**5600**	**11000**	ug/kg		46 J	210 U	**1700000**	**1300**
SW8270	191-24-2	Benzo(G,H,I)perylene	**100000**	**500000**	**1000000**	ug/kg		200 U	210 U	**930000**	820 J
SW8270	207-08-9	Benzo(K)Fluoranthene	**800**	**56000**	**110000**	ug/kg		26 J	210 U	**780000**	600 J
SW8270	218-01-9	Chrysene	**1000**	**56000**	**110000**	ug/kg		200 U	210 U	**2100000**	**1800**
SW8270	53-70-3	Dibenzo(a,h)Anthracene	**330**	**560**	**1100**	ug/kg		200 U	210 U	**300000**	230 J
SW8270	206-44-0	Fluoranthene	**100000**	**500000**	**1000000**	ug/kg		46 J	210 U	**4300000**	3400
SW8270	86-73-7	Fluorene	**30000**	**500000**	**1000000**	ug/kg		200 U	26 J	**2700000**	2300
SW8270	193-39-5	Indeno(1,2,3-Cd)Pyrene	**500**	**5600**	**11000**	ug/kg		200 U	210 U	**850000**	**610 J**
SW8270	91-20-3	Naphthalene	**12000**	**500000**	**1000000**	ug/kg		950	1000	**8800000**	4900
SW8270	85-01-8	Phenanthrene	**100000**	**500000**	**1000000**	ug/kg		200 U	210 U	**9100000**	8500
SW8270	129-00-0	Pyrene	**100000**	**500000**	**1000000**	ug/kg		32 J	210 U	**4200000**	4200
SW6010	7440-47-3	Chromium	**30**	1500	6800	mg/kg		23.7	28.8	11.4	14.7
SW9012	57-12-5	Cyanide, Total	27	27	10000	mg/kg		1.1 U	1.2 UJ	1.2 UJ	1.1 UJ

Notes:

Only data for detected parameters are shown

Indicates concentration exceeds Unrestricted Use SCO.

Indicates concentration exceeds Unrestricted Commercial SCO.

Indicates concentration exceeds Industrial Use SCO.

NS No standard or guidance value available.

U Indicates compound was not detected.

J Indicates an estimated concentration.

ug/kg Micrograms per kilogram

TABLE 4
TONAWANDA PLASTICS
SOIL SAMPLE ANALYTICAL RESULTS
(detections only)

							Location ID	B-15	B-16	B-16	B-17
							Field Sample ID	B-15-11102020-1.3-1.8	B-16-11102020-0.9-1.4	B-16-11102020-2.5-3.0	B-17-11102020-0.7-1.2
							Sample Depth (ft)	1.3-1.8	0.9-1.4	2.5-3	0.7-1.2
							Area	EAST AREA	EAST AREA	EAST AREA	EAST AREA
							Sample Date	11/10/2020	11/10/2020	11/10/2020	11/10/2020
							Matrix	SOIL	SOIL	SOIL	SOIL
Method	CAS_RN	Chemical Name	UNRESTRICTED USE SCO	COMMERCIAL SCO	INDUSTRIAL SCO	Unit					
SW8260	67-64-1	Acetone	50	500000	1000000	ug/kg		26	29000 U	1200 U	21 J
SW8260	71-43-2	Benzene	**60**	**44000**	89000	ug/kg		4.5 U	**17000**	230 U	4.6 U
SW8260	100-41-4	Ethylbenzene	**1000**	390000	780000	ug/kg		4.5 U	**15000**	230 U	4.6 U
SW8260	100-42-5	Styrene	NS	NS	NS	ug/kg		4.5 U	30000	230 U	4.6 U
SW8260	108-88-3	Toluene	**700**	500000	1000000	ug/kg		4.5 U	**36000**	230 U	0.62 J
SW8260	1330-20-7	Total Xylenes	**260**	500000	1000000	ug/kg		9 U	**140000**	460 U	9.1 U
SW8270	83-32-9	Acenaphthene	**20000**	**500000**	1000000	ug/kg		200 U	**670000**	31 J	200 U
SW8270	208-96-8	Acenaphthylene	**100000**	**500000**	**1000000**	ug/kg		200 U	**2100000**	90 J	28 J
SW8270	120-12-7	Anthracene	**100000**	**500000**	**1000000**	ug/kg		200 U	**14000000**	310	200 U
SW8270	56-55-3	Benzo(A)Anthracene	**1000**	**5600**	**11000**	ug/kg		200 U	**2100000**	76 J	44 J
SW8270	50-32-8	Benzo(A)Pyrene	**1000**	**1000**	**1100**	ug/kg		200 U	**1800000**	85 J	62 J
SW8270	205-99-2	Benzo(B)Fluoranthene	**1000**	**5600**	**11000**	ug/kg		200 U	**1800000**	110 J	69 J
SW8270	191-24-2	Benzo(G,H,I)perylene	**100000**	**500000**	**1000000**	ug/kg		200 U	**890000**	47 J	38 J
SW8270	207-08-9	Benzo(K)Fluoranthene	**800**	**56000**	**110000**	ug/kg		200 U	**970000**	39 J	28 J
SW8270	218-01-9	Chrysene	**1000**	**56000**	**110000**	ug/kg		200 U	**2000000**	87 J	200 U
SW8270	53-70-3	Dibenzo(a,h)Anthracene	**330**	**560**	**1100**	ug/kg		200 U	**310000**	210 U	200 U
SW8270	206-44-0	Fluoranthene	**100000**	**500000**	**1000000**	ug/kg		55 J	**6100000**	200 J	80 J
SW8270	86-73-7	Fluorene	**30000**	**500000**	**1000000**	ug/kg		200 U	**4400000**	85 J	200 U
SW8270	193-39-5	Indeno(1,2,3-Cd)Pyrene	**500**	**5600**	**11000**	ug/kg		200 U	**900000**	46 J	34 J
SW8270	91-20-3	Naphthalene	**12000**	**500000**	**1000000**	ug/kg		60 J	**10000000**	1900	77 J
SW8270	85-01-8	Phenanthrene	**100000**	**500000**	**1000000**	ug/kg		35 J	**11000000**	230	200 U
SW8270	129-00-0	Pyrene	**100000**	**500000**	**1000000**	ug/kg		27 J	**4100000**	150 J	57 J
SW6010	7440-47-3	Chromium	**30**	1500	6800	mg/kg		21.3	17.7	22.8	23
SW9012	57-12-5	Cyanide, Total	27	27	10000	mg/kg		1 UJ	1 UJ	1.1 UJ	1.1 UJ

Notes:

Only data for detected parameters are shown

Indicates concentration exceeds Unrestricted Use SCO.

Indicates concentration exceeds Unrestricted Commercial SCO.

Indicates concentration exceeds Industrial Use SCO.

NS — No standard or guidance value available.

U — Indicates compound was not detected.

J — Indicates an estimated concentration.

ug/kg — Micrograms per kilogram

TABLE 4
TONAWANDA PLASTICS
SOIL SAMPLE ANALYTICAL RESULTS
(detections only)

							Location ID	B-17	B-18	B-18	B-19
							Field Sample ID	B-17-11102020-1.5-2.0	B-18-11092020-0.9-1.4	B-18-11092020-4.5-5.0	B-19-11092020-4.5-5.0
							Sample Depth (ft)	1.5-2	0.9-1.4	4.5-5	4.5-5
							Area	EAST AREA	EAST AREA	EAST AREA	EAST AREA
							Sample Date	11/10/2020	11/9/2020	11/9/2020	11/9/2020
							Matrix	SOIL	SOIL	SOIL	SOIL
Method	CAS_RN	Chemical Name	UNRESTRICTED USE SCO	COMMERCIAL SCO	INDUSTRIAL SCO	Unit					
SW8260	67-64-1	Acetone	50	500000	1000000	ug/kg		41	22000 U	22 U	22 U
SW8260	71-43-2	Benzene	**60**	**44000**	89000	ug/kg		4.2 U	**27000**	4.4 U	4.4 U
SW8260	100-41-4	Ethylbenzene	**1000**	390000	780000	ug/kg		4.2 U	4400 U	4.4 U	4.4 U
SW8260	100-42-5	Styrene	NS	NS	NS	ug/kg		4.2 U	3300 J	4.4 U	4.4 U
SW8260	108-88-3	Toluene	**700**	500000	1000000	ug/kg		4.2 U	**19000**	4.4 U	4.4 U
SW8260	1330-20-7	Total Xylenes	**260**	500000	1000000	ug/kg		8.4 U	**23000**	8.7 U	8.7 U
SW8270	83-32-9	Acenaphthene	**20000**	**500000**	1000000	ug/kg		200 U	**450000**	74 J	190 U
SW8270	208-96-8	Acenaphthylene	**100000**	**500000**	**1000000**	ug/kg		200 U	**3200000**	150 J	190 U
SW8270	120-12-7	Anthracene	**100000**	**500000**	**1000000**	ug/kg		200 U	**3100000**	380	190 U
SW8270	56-55-3	Benzo(A)Anthracene	**1000**	**5600**	**11000**	ug/kg		200 U	**3000000**	380	190 U
SW8270	50-32-8	Benzo(A)Pyrene	**1000**	**1000**	**1100**	ug/kg		200 U	**2800000**	340	190 U
SW8270	205-99-2	Benzo(B)Fluoranthene	**1000**	**5600**	**11000**	ug/kg		200 U	**2900000**	350	190 U
SW8270	191-24-2	Benzo(G,H,I)perylene	**100000**	**500000**	**1000000**	ug/kg		200 U	**1600000**	180 J	190 U
SW8270	207-08-9	Benzo(K)Fluoranthene	**800**	**56000**	**110000**	ug/kg		200 U	**1300000**	210	190 U
SW8270	218-01-9	Chrysene	**1000**	**56000**	**110000**	ug/kg		200 U	**2300000**	330	190 U
SW8270	53-70-3	Dibenzo(a,h)Anthracene	**330**	**560**	**1100**	ug/kg		200 U	**380000**	44 J	190 U
SW8270	206-44-0	Fluoranthene	**100000**	**500000**	**1000000**	ug/kg		200 U	**8700000**	1200	190 U
SW8270	86-73-7	Fluorene	**30000**	**500000**	**1000000**	ug/kg		200 U	**3900000**	300	190 U
SW8270	193-39-5	Indeno(1,2,3-Cd)Pyrene	**500**	**5600**	**11000**	ug/kg		200 U	**1500000**	170 J	190 U
SW8270	91-20-3	Naphthalene	**12000**	**500000**	**1000000**	ug/kg		38 J	**9100000**	840	130 J
SW8270	85-01-8	Phenanthrene	**100000**	**500000**	**1000000**	ug/kg		200 U	**10000000**	1100	190 U
SW8270	129-00-0	Pyrene	**100000**	**500000**	**1000000**	ug/kg		200 U	**5600000**	760	190 U
SW6010	7440-47-3	Chromium	**30**	1500	6800	mg/kg		21.3	3	26.5	21.5
SW9012	57-12-5	Cyanide, Total	27	27	10000	mg/kg		1.2 UJ	26.8	1.1 U	1.1 U

Notes:

Only data for detected parameters are shown

Indicates concentration exceeds Unrestricted Use SCO.

Indicates concentration exceeds Unrestricted Commercial SCO.

Indicates concentration exceeds Industrial Use SCO.

NS — No standard or guidance value available.

U — Indicates compound was not detected.

J — Indicates an estimated concentration.

ug/kg — Micrograms per kilogram

TABLE 4
TONAWANDA PLASTICS
SOIL SAMPLE ANALYTICAL RESULTS
(detections only)

							Location ID	B-20	B-29	B-30	B-30
							Field Sample ID	B-20-11092020-6.1-6.6	B-29-11102020-1.8-2.3	B-30-11102020-0.5-1.0	B-30-11102020-3.5-4.0
							Sample Depth (ft)	6.1-6.6	1.8-2.3	0.5-1	3.5-4
							Area	EAST AREA	EAST AREA	EAST AREA	EAST AREA
							Sample Date	11/9/2020	11/10/2020	11/10/2020	11/10/2020
							Matrix	SOIL	SOIL	SOIL	SOIL
Method	CAS_RN	Chemical Name	UNRESTRICTED USE SCO	COMMERCIAL SCO	INDUSTRIAL SCO	Unit					
SW8260	67-64-1	Acetone	50	500000	1000000	ug/kg		6.1 J	27 U	68000 U	21 J
SW8260	71-43-2	Benzene	**60**	**44000**	89000	ug/kg		4.7 U	5.3 U	**29000**	4.8 U
SW8260	100-41-4	Ethylbenzene	**1000**	390000	780000	ug/kg		4.7 U	5.3 U	14000 U	4.8 U
SW8260	100-42-5	Styrene	NS	NS	NS	ug/kg		4.7 U	5.3 U	15000	4.8 U
SW8260	108-88-3	Toluene	**700**	500000	1000000	ug/kg		4.7 U	5.3 U	**19000**	4.8 U
SW8260	1330-20-7	Total Xylenes	**260**	500000	1000000	ug/kg		9.5 U	11 U	**28000**	9.7 U
SW8270	83-32-9	Acenaphthene	**20000**	**500000**	1000000	ug/kg		230 U	220 U	**410000**	190 U
SW8270	208-96-8	Acenaphthylene	**100000**	**500000**	**1000000**	ug/kg		33 J	40 J	**3300000**	120 J
SW8270	120-12-7	Anthracene	**100000**	**500000**	**1000000**	ug/kg		230 U	220 U	**4200000**	190 U
SW8270	56-55-3	Benzo(A)Anthracene	**1000**	**5600**	**11000**	ug/kg		180 J	100 J	**3100000**	190 U
SW8270	50-32-8	Benzo(A)Pyrene	**1000**	**1000**	**1100**	ug/kg		200 J	140 J	**2800000**	190 U
SW8270	205-99-2	Benzo(B)Fluoranthene	**1000**	**5600**	**11000**	ug/kg		190 J	180 J	**3200000**	190 U
SW8270	191-24-2	Benzo(G,H,I)perylene	**100000**	**500000**	**1000000**	ug/kg		130 J	75 J	**1500000**	190 U
SW8270	207-08-9	Benzo(K)Fluoranthene	**800**	**56000**	**110000**	ug/kg		120 J	55 J	**1200000**	190 U
SW8270	218-01-9	Chrysene	**1000**	**56000**	**110000**	ug/kg		180 J	96 J	**3000000**	190 U
SW8270	53-70-3	Dibenzo(a,h)Anthracene	**330**	**560**	**1100**	ug/kg		40 J	220 U	**460000**	190 U
SW8270	206-44-0	Fluoranthene	**100000**	**500000**	**1000000**	ug/kg		390	230	**9400000**	20 J
SW8270	86-73-7	Fluorene	**30000**	**500000**	**1000000**	ug/kg		230 U	220 U	**3900000**	83 J
SW8270	193-39-5	Indeno(1,2,3-Cd)Pyrene	**500**	**5600**	**11000**	ug/kg		120 J	74 J	**1400000**	190 U
SW8270	91-20-3	Naphthalene	**12000**	**500000**	**1000000**	ug/kg		44 J	440	**11000000**	3600
SW8270	85-01-8	Phenanthrene	**100000**	**500000**	**1000000**	ug/kg		200 J	54 J	**13000000**	74 J
SW8270	129-00-0	Pyrene	**100000**	**500000**	**1000000**	ug/kg		290	160 J	**5900000**	190 U
SW6010	7440-47-3	Chromium	**30**	1500	6800	mg/kg		28.6	**37.6**	8.4	23.3
SW9012	57-12-5	Cyanide, Total	27	27	10000	mg/kg		1.1 U	1.3 UJ	3.7 J-	1.1 UJ

Notes:

Only data for detected parameters are shown

Indicates concentration exceeds Unrestricted Use SCO.

Indicates concentration exceeds Unrestricted Commercial SCO.

Indicates concentration exceeds Industrial Use SCO.

NS No standard or guidance value available.

U Indicates compound was not detected.

J Indicates an estimated concentration.

ug/kg Micrograms per kilogram

TABLE 5
TONAWNADA PLASTICS
GROUNDWATER ANALYTICAL RESULTS

			Location ID	MW-14
			Field Sample ID	MW-14_12102020
			Sampled	2020-12-10
			SDG	480-179236-1
			Medium	Water
			Matrix	GW
Parameter Code	Parameter Name	Units	NYSDEC Class GA GW	
VOLATILE ORGANIC COMPOUNDS				
71-55-6	1,1,1-Trichloroethane	ug/l	5	1 U
79-34-5	1,1,2,2-Tetrachloroethane	ug/l	5	1 U
76-13-1	1,1,2-Trichloro-1,2,2-Trifluoroethane	ug/l	5	1 U
79-00-5	1,1,2-Trichloroethane	ug/l	1	1 U
75-34-3	1,1-Dichloroethane	ug/l	5	1 U
75-35-4	1,1-Dichloroethene	ug/l	5	1 U
120-82-1	1,2,4-Trichlorobenzene	ug/l	5	1 U
96-12-8	1,2-Dibromo-3-Chloropropane	ug/l	0.04	1 U
106-93-4	1,2-Dibromoethane	ug/l	0.0006	1 U
95-50-1	1,2-Dichlorobenzene	ug/l	3	1 U
107-06-2	1,2-Dichloroethane	ug/l	0.6	1 U
78-87-5	1,2-Dichloropropane	ug/l	1	1 U
541-73-1	1,3-Dichlorobenzene	ug/l	3	1 U
106-46-7	1,4-Dichlorobenzene	ug/l	3	1 U
78-93-3	2-Butanone	ug/l	50	10 U
591-78-6	2-Hexanone	ug/l	50	5 U
108-10-1	4-Methyl-2-Pentanone	ug/l		5 U
67-64-1	Acetone	ug/l	50	10 U
71-43-2	Benzene	ug/l	1	1 U
75-27-4	Bromodichloromethane	ug/l	50	1 U
75-25-2	Bromoform	ug/l	50	1 U
74-83-9	Bromomethane	ug/l	5	1 U
75-15-0	Carbon Disulfide	ug/l	60	1 U
56-23-5	Carbon Tetrachloride	ug/l	5	1 U
108-90-7	Chlorobenzene	ug/l	5	1 U
75-00-3	Chloroethane	ug/l	5	1 U
67-66-3	Chloroform	ug/l	7	1 U
74-87-3	Chloromethane	ug/l	5	1 U
156-59-2	cis-1,2-Dichloroethene	ug/l	5	1 U
10061-01-5	cis-1,3-Dichloropropene	ug/l	0.4	1 U
110-82-7	Cyclohexane	ug/l		1 U
124-48-1	Dibromochloromethane	ug/l	50	1 U
75-71-8	Dichlorodifluoromethane	ug/l	5	1 U
100-41-4	Ethylbenzene	ug/l	5	1 U
98-82-8	Isopropylbenzene	ug/l	5	1 U
79-20-9	Methyl Acetate	ug/l		2.5 U
1634-04-4	Methyl Tert-Butyl Ether	ug/l	10	1 U
108-87-2	Methylcyclohexane	ug/l		1 U
75-09-2	Methylene Chloride	ug/l	5	1 U
100-42-5	Styrene	ug/l	5	1 U
127-18-4	Tetrachloroethene	ug/l	5	1 U
108-88-3	Toluene	ug/l	5	1 U
1330-20-7	Total Xylenes	ug/l	5	2 U
156-60-5	trans-1,2-Dichloroethene	ug/l	5	1 U
10061-02-6	trans-1,3-Dichloropropene	ug/l	0.4	1 U
79-01-6	Trichloroethene	ug/l	5	1 U
75-69-4	Trichlorofluoromethane	ug/l	5	1 U
75-01-4	Vinyl Chloride	ug/l	2	1 U

TABLE 5
TONAWNADA PLASTICS
GROUNDWATER ANALYTICAL RESULTS

			Location ID	MW-14
			Field Sample ID	MW-14_12102020
			Sampled	2020-12-10
			SDG	480-179236-1
			Medium	Water
			Matrix	GW
Parameter Code	Parameter Name	Units	NYSDEC Class GA GW	
SEMI-VOLATILE ORGANIC COMPOUNDS (PAHs)				
83-32-9	Acenaphthene	ug/l	20	5 U
208-96-8	Acenaphthylene	ug/l		5 U
120-12-7	Anthracene	ug/l	50	5 U
56-55-3	Benzo(A)Anthracene	ug/l	0.002	5 U
50-32-8	Benzo(A)Pyrene	ug/l	ND	5 U
205-99-2	Benzo(B)Fluoranthene	ug/l	0.002	5 U
191-24-2	Benzo(G,H,I)perylene	ug/l		5 U
207-08-9	Benzo(K)Fluoranthene	ug/l	0.002	5 U
218-01-9	Chrysene	ug/l	0.002	5 U
53-70-3	Dibenzo(a,h)Anthracene	ug/l		5 U
206-44-0	Fluoranthene	ug/l	50	5 U
86-73-7	Fluorene	ug/l	50	5 U
193-39-5	Indeno(1,2,3-Cd)Pyrene	ug/l	0.002	5 U
91-20-3	Naphthalene	ug/l	10	5 U
85-01-8	Phenanthrene	ug/l	50	5 U
129-00-0	Pyrene	ug/l	50	5 U
INORGANICS				
7440-47-3	Chromium	mg/L	0.05	**0.0094**
57-12-5	Cyanide, Total	mg/L	0.2	0.01 UJ

Notes:

	Indicates concentration exceeds standard or guidance value.
U	Indicates compound was not detected.
J	Indicates an estimated concentration.
mg/L	Miligrams per liter
(1)	Taken from NYSDEC TOGs 1.1.1

APPENDICES

Appendix A Soil Boring Logs

Contractor:	Cascade	**DRILLING RECORD**	**BORING/ WELL NO.** MW-13 Sheet 1 of 1
Driller:	Todd Grossman, Luke Taylor		**Location Description:**
Inspector:	Tayler Schweigel, Dan Chamberland	**PROJECT NAME:** Tonawanda Plastics	Northing: 1086188.42
Rig Type:	Geoprobe	**PROJECT NUMBER:** 451224.01102	Easting: 1055422.11
			Ground Surface Elevation (ft AMSL): 595.4

GROUNDWATER OBSERVATIONS (ft AMSL)					
Water Level	DRY	592.04			
Date	12/10/2020	1/11/2021			
Time					
Top of Riser Elevation	598.73				

Weather: Warm, clear, calm

Date/Time Start: 11/17/2020 8:25

Date/Time Finish: 11/17/2020 8:35

Location Plan

Sample Depth (feet)	Sample I.D.	SPT	% Rec.	PID (ppm)	FIELD IDENTIFICATION OF MATERIAL	SCHEMATIC	COMMENTS
0 0.1	NA	NA NA		0.0 0.0	Wet to moist soft brown to black SILT, some fine SAND, some fine-coarse GRAVEL. GM.		
0.1 3.5	NA	NA NA	70	0.0 0.0	Damp red brown med stiff CLAY, little fine-coarse GRAVEL. CL.		
3.5 5.0	NA	NA NA		0.0 0.0	No Recovery.		
5.0 9.5	NA	NA NA	95	0.0 0.0	Damp red brown medium stiff CLAY, little fine-coarse GRAVEL. CL.		
9.5 10.0	NA	NA NA			No Recovery.		

SAMPLING METHOD
SS = SPLIT SPOON
A = AUGER CUTTINGS
GP = GEOPROBE - DIRECT PUSH

COMMENTS:

DRILLING RECORD

BORING/ WELL NO. MW-14 Sheet 1 of 1

Contractor:	Cascade
Driller:	Todd Grossman, Luke Taylor
Inspector:	Tayler Schweigel, Dan Chamberland
Rig Type:	Geoprobe
PROJECT NAME:	Tonawanda Plastics
PROJECT NUMBER:	451224.01102
Location Description:	
Northing:	1086117.14
Easting:	1055960.68
Ground Surface Elevation (ft AMSL):	600.2

GROUNDWATER OBSERVATIONS (ft AMSL)

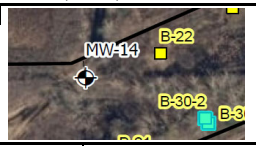
Water Level	598.94	598.63			
Date	12/10/2020	1/11/2021			
Time					
Top of Riser Elevation	603.99				

Weather: Warm, clear, calm

Date/Time Start: 11/10/2020 13:30

Date/Time Finish: 11/10/2020 13:35

Location Plan



Sample Depth (feet)	Sample I.D.	SPT	% Rec.	PID (ppm)	FIELD IDENTIFICATION OF MATERIAL	SCHEMATIC	COMMENTS
0 0.5	NA	NA NA	80	0.0 0.0	Dry loose to medium dense light gray fine-coarse GRAVEL and fine-coarse SAND. SP.		
0.5 1.0	NA	NA NA		0.0 0.0	Wet medium dense fine-coarse GRAVEL, some fine-coarse SAND, little SILT. GM.		
1.0 4.0	NA	NA NA		0.0 0.0	Damp medium stiff to stiff red brown CLAY, trace fine-medium GRAVEL. CL.		
4.0 5.0	NA	NA NA			No Recovery.		
5.0 10.0	NA	NA NA	100	0.0 0.0	Damp medium stiff to stiff red brown CLAY, trace fine-medium GRAVEL. CL.		
10.0 15.0	NA	NA NA	100	0.0 0.0	Damp medium stiff to stiff red brown CLAY, trace fine-medium GRAVEL. CL.		

SAMPLING METHOD

SS = SPLIT SPOON

A = AUGER CUTTINGS

GP = GEOPROBE - DIRECT PUSH

COMMENTS:

Contractor:	Cascade	**DRILLING RECORD**	**BORING/ WELL NO.** B-1 Sheet 1 of 1
Driller:	Todd Grossman, Luke Taylor		**Location Description:**
Inspector:	Tayler Schweigel, Dan Chamberland	**PROJECT NAME:** Tonawanda Plastics	Northing: 1086235.93
Rig Type:	Geoprobe	**PROJECT NUMBER:** 451224.01102	Easting: 1055200.77
			Ground Surface Elevation (ft AMSL): 593.6

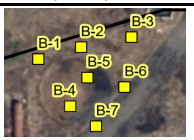
GROUNDWATER OBSERVATIONS (ft AMSL)				
Water Level				
Date				
Time				
TOC Elevation				

Weather: Warm, clear, calm

Date/Time Start: 11/11/2020 11:05

Date/Time Finish: 11/11/2020 11:15

Location Plan



Sample Depth (feet)	Sample I.D.	SPT	% Rec.	PID (ppm)	FIELD IDENTIFICATION OF MATERIAL	SCHEMATIC	COMMENTS
0	NA	NA	100	0.0	Moist medium stiff to soft red brown CLAY, some medium-coarse GRAVEL, some SILT. GC.		
0.7		NA		0.0			
0.7	NA	NA		0.0	Moist medium stiff red brown and black CLAY, some SILT, little fine SAND, little fine-coarse GRAVEL. GC.		
1.0		NA		0.0			
1.0	NA	NA		0.0	Damp medium dense tan to red to black fine-coarse GRAVEL (angular) some fine-coarse SAND. GW.		
1.4		NA		0.0			
1.4	B-1_11112020_1.5-2.0	NA		0.0	Damp medium stiff red brown CLAY, little medium-coarse GRAVEL. CL.		
5.0		NA		0.0			

SAMPLING METHOD

SS = SPLIT SPOON

HA = HAND AUGER

GP = GEOPROBE - DIRECT PUSH

COMMENTS:

Contractor: Cascade
Driller: Todd Grossman, Luke Taylor
Inspector: Tayler Schweigel, Dan Chamberland
Rig Type: Geoprobe

DRILLING RECORD

PROJECT NAME: Tonawanda Plastics
PROJECT NUMBER: 451224.01102

BORING/ WELL NO. B-2 Sheet 1 of 1
Location Description:
Northing: 1086250.70
Easting: 1055250.70
Ground Surface Elevation (ft AMSL): 594.9

Location Plan

GROUNDWATER OBSERVATIONS (ft AMSL)				
Water Level				
Date				
Time				
TOC Elevation				

Weather: Warm, clear, calm
Date/Time Start: 11/11/2020 12:50
Date/Time Finish: 11/11/2020 12:55

Sample Depth (feet)	Sample I.D.	SPT	% Rec.	PID (ppm)	FIELD IDENTIFICATION OF MATERIAL	SCHEMATIC	COMMENTS
0	NA	NA		0.0	Moist medium stiff to soft brown and red SILT and CLAY, little fine-medium GRAVEL. SC.		
2.0		NA		0.0			
2.0	NA	NA	94	0.0	Damp soft to medium stiff red brown CLAY, little fine-coarse GRAVEL, trace fine-coarse SAND. CL.		
4.7		NA		0.0			
4.7	NA	NA			No Recovery.		
5.0		NA					

SAMPLING METHOD
SS = SPLIT SPOON
A = AUGER CUTTINGS
GP = GEOPROBE - DIRECT PUSH

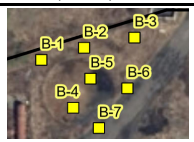
COMMENTS:

DRILLING RECORD

BORING/ WELL NO. B-3 Sheet 1 of 1

Contractor:	Cascade
Driller:	Todd Grossman, Luke Taylor
Inspector:	Tayler Schweigel, Dan Chamberland
Rig Type:	Geoprobe
PROJECT NAME:	Tonawanda Plastics
PROJECT NUMBER:	451224.01102
Location Description:	
Northing:	1086263.11
Easting:	1055309.65
Ground Surface Elevation (ft AMSL):	595.4
Weather:	Warm, clear, calm
Date/Time Start:	11/11/2020 14:00
Date/Time Finish:	11/11/2020 14:15

Location Plan



GROUNDWATER OBSERVATIONS (ft AMSL)

Water Level				
Date				
Time				
TOC Elevation				

Sample Depth (feet)	Sample I.D.	SPT	% Rec.	PID (ppm)	FIELD IDENTIFICATION OF MATERIAL	SCHEMATIC	COMMENTS
0	NA	NA		0.0	Wet to moist soft SILT and CLAY, some fine GRAVEL, little fine-coarse SAND. GC.		
0.5		NA		0.0			
0.5	NA	NA		0.0	Damp medium stiff to stiff red brown CLAY, some medium-coarse GRAVEL. CL.		
1.1		NA		0.0			
1.1	NA	NA	60	0.0	Dry loose gray-green medium-coarse GRAVEL, some fine-medium SAND. GW.		
1.5		NA		0.0			
1.5	NA	NA		0.0	Damp medium stiff red brown CLAY, trace GRAVEL, trace ORGANICS. CL.		
3.0		NA		0.0			
3.0	NA	NA			No Recovery.		
5.0		NA					

SAMPLING METHOD

SS = SPLIT SPOON
A = AUGER CUTTINGS
GP = GEOPROBE - DIRECT PUSH

COMMENTS:

Contractor:	Cascade	**DRILLING RECORD**	**BORING/ WELL NO.** B-4 Sheet 1 of 1
Driller:	Todd Grossman, Luke Taylor		**Location Description:**
Inspector:	Tayler Schweigel, Dan Chamberland	**PROJECT NAME:** Tonawanda Plastics	Northing: 1086177.54
Rig Type:	Geoprobe	**PROJECT NUMBER:** 451224.01102	Easting: 1055238.02
			Ground Surface Elevation (ft AMSL): 594.2

GROUNDWATER OBSERVATIONS (ft AMSL)				
Water Level				
Date				
Time				
TOC Elevation				

Weather: Warm, clear, calm

Date/Time Start: 11/11/2020 11:55

Date/Time Finish: 11/11/2020 11:55

Location Plan

Sample Depth (feet)	Sample I.D.	SPT	% Rec.	PID (ppm)	FIELD IDENTIFICATION OF MATERIAL	SCHEMATIC	COMMENTS
0	NA	NA	0	0.0	Concrete slab.		
0.5		NA		0.0			
0	NA	NA		0.0	Dry medium dense gray fine-SAND, some fine-coarse GRAVEL (concrete slab). GW.		
1.0		NA		0.0			
1.0	B-4_11112020_0.8-1.3	NA	100	1.2	Pliable Tar and damp to dry medium dense black fine-coarse SAND (Breeze). Crumbles apart. (possibly old asphaltic base for former gas holder)		
1.3		NA		0.0			
1.3	B-4_11112020_1.5-2.0	NA		0.0	Damp medium stiff to stiff red brown CLAY, little fine-coarse GRAVEL. CL.		
5.5		NA		0.0			

SAMPLING METHOD

SS = SPLIT SPOON

A = AUGER CUTTINGS

GP = GEOPROBE - DIRECT PUSH

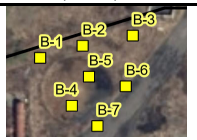
COMMENTS:

DRILLING RECORD

BORING/ WELL NO. B-5 Sheet 1 of 1

Contractor:	Cascade
Driller:	Todd Grossman, Luke Taylor
Inspector:	Tayler Schweigel, Dan Chamberland
Rig Type:	Geoprobe
PROJECT NAME:	Tonawanda Plastics
PROJECT NUMBER:	451224.01102
Location Description:	
Northing:	1086213.07
Easting:	1055258.28
Ground Surface Elevation (ft AMSL):	593.8
Weather:	Warm, clear, calm
Date/Time Start:	11/11/2020 13:15
Date/Time Finish:	11/11/2020 13:20

Location Plan



GROUNDWATER OBSERVATIONS (ft AMSL)

Water Level				
Date				
Time				
TOC Elevation				

Sample Depth (feet)	Sample I.D.	SPT	% Rec.	PID (ppm)	FIELD IDENTIFICATION OF MATERIAL	SCHEMATIC	COMMENTS
0 0.5	NA	NA NA		0.0 0.0	Moist to wet medium dense brown and gray GRAVEL, some fine-coarse SAND, little SILT. SW.		
0.5 4.5	B-5_11112020_0.6-1.1	NA NA	90	0.0 0.0	Damp stiff red brown CLAY, little fine-coarse GRAVEL. CL.		
4.5 5.0	NA	NA NA			No Recovery.		

SAMPLING METHOD
SS = SPLIT SPOON
A = AUGER CUTTINGS
GP = GEOPROBE - DIRECT PUSH

COMMENTS:

Contractor:	Cascade	**DRILLING RECORD**	**BORING/ WELL NO.** B-6 Sheet 1 of 1
Driller:	Todd Grossman, Luke Taylor		**Location Description:**
Inspector:	Tayler Schweigel, Dan Chamberland	**PROJECT NAME:** Tonawanda Plastics	Northing: 1086201.27
Rig Type:	Geoprobe	**PROJECT NUMBER:** 451224.01102	Easting: 1055301.40
			Ground Surface Elevation (ft AMSL): 594.7

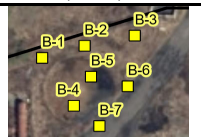
GROUNDWATER OBSERVATIONS (ft AMSL)				
Water Level				
Date				
Time				
TOC Elevation				

Weather: Warm, clear, calm

Date/Time Start: 11/11/2020 13:50

Date/Time Finish: 11/11/2020 13:55

Location Plan



Sample Depth (feet)	Sample I.D.	SPT	% Rec.	PID (ppm)	FIELD IDENTIFICATION OF MATERIAL	SCHEMATIC	COMMENTS
0	NA	NA		0.0	Moist medium dense black fine-ediumm SAND, some fine-medium GRAVEL, litle SILT. GM.		
0.7		NA		0.0			
0.7	NA	NA		0.0	Moist black SILT and CLAY, some ORGANICS. ML.		
1.9		NA		0.0			
1.9	NA	NA	82	0.0	Dry loose gray coarse GRAVEL. GW.		
2.0		NA		0.0			
2.0	NA	NA		0.0	Damp medium stiff to stiff red brown CLAY, trace fine GRAVEL, trace ORGANICS.		
4.1		NA		0.0			
4.1	NA	NA			No Recovery.		
5.0		NA					

SAMPLING METHOD

SS = SPLIT SPOON

A = AUGER CUTTINGS

GP = GEOPROBE - DIRECT PUSH

COMMENTS:

Contractor:	Cascade	**DRILLING RECORD**	**BORING/ WELL NO.** B-7 Sheet 1 of 1
Driller:	Todd Grossman, Luke Taylor		**Location Description:**
Inspector:	Tayler Schweigel, Dan Chamberland	**PROJECT NAME:** Tonawanda Plastics	Northing: 1086152.79
Rig Type:	Geoprobe	**PROJECT NUMBER:** 451224.01102	Easting: 1055268.13
			Ground Surface Elevation (ft AMSL): 594.6

GROUNDWATER OBSERVATIONS (ft AMSL)				
Water Level				
Date				
Time				
TOC Elevation				

Weather: Warm, clear, calm

Date/Time Start: 11/11/2020 13:30

Date/Time Finish: 11/11/2020 13:40

Location Plan

Sample Depth (feet)	Sample I.D.	SPT	% Rec.	PID (ppm)	FIELD IDENTIFICATION OF MATERIAL	SCHEMATIC	COMMENTS
0 0.7	NA	NA NA	86	0.0 0.0	Moist dense to medium dense black fine-coarse SAND and fine-medium GRAVEL, little SILT. GW.		
0.7 1.6	NA	NA NA		0.0 0.0	Moist medium dense to dense black and gray fine-coarse-GRAVEL, little SILT. GW.		
1.6 4.3	B-7_11112020_1.7-2.2	NA NA		0.0 0.0	Damp medium stiff red brown CLAY, little medium-coarse GRAVEL. CL.		
4.3 5.0	NA	NA NA			No Recovery.		

SAMPLING METHOD

SS = SPLIT SPOON

A = AUGER CUTTINGS

GP = GEOPROBE - DIRECT PUSH

COMMENTS:

DRILLING RECORD

BORING/ WELL NO. B-8 Sheet 1 of 1

Contractor:	Cascade
Driller:	Todd Grossman, Luke Taylor
Inspector:	Tayler Schweigel, Dan Chamberland
Rig Type:	Geoprobe
PROJECT NAME:	Tonawanda Plastics
PROJECT NUMBER:	451224.01102
Location Description:	
Northing:	1086239.34
Easting:	1055418.49
Ground Surface Elevation (ft AMSL):	595.2

GROUNDWATER OBSERVATIONS (ft AMSL)

Water Level				
Date				
Time				
TOC Elevation				

Weather: Warm, clear, calm

Date/Time Start: 11/11/2020 14:25

Date/Time Finish: 11/11/2020 14:30

Location Plan

Sample Depth (feet)	Sample I.D.	SPT	% Rec.	PID (ppm)	FIELD IDENTIFICATION OF MATERIAL	SCHEMATIC	COMMENTS
0	NA	NA		0.0	Moist soft dark brown SILT, one clast of coarse GRAVEL. ML.		
0.5		NA		0.0			
0.5	NA	NA		0.0	Moist soft brown and red SILT, some CLAY. ML.		
1.6		NA		0.0			
1.6	NA	NA	92	0.0	Wood.		
1.7		NA		0.0			
1.7	B-8_11112020_1.4-2.4	NA		0.0	Damp stiff red brown CLAY, trace ORGANICS, trace SILT. CL.		
4.6		NA		0.0			
4.6	NA	NA			No Recovery.		
5.0		NA					

SAMPLING METHOD

SS = SPLIT SPOON

A = AUGER CUTTINGS

GP = GEOPROBE - DIRECT PUSH

COMMENTS:

Contractor: Cascade
Driller: Todd Grossman, Luke Taylor
Inspector: Tayler Schweigel, Dan Chamberland
Rig Type: Geoprobe

DRILLING RECORD

PROJECT NAME: Tonawanda Plastics
PROJECT NUMBER: 451224.01102

BORING/ WELL NO. B-9 Sheet 1 of 1
Location Description:
Northing: 1086149.60
Easting: 1055385.85
Ground Surface Elevation (ft AMSL): 593.4

Location Plan

GROUNDWATER OBSERVATIONS (ft AMSL)

Water Level				
Date				
Time				
TOC Elevation				

Weather: Warm, clear, calm
Date/Time Start: 11/11/2020 14:50
Date/Time Finish: 11/11/2020 15:10

Sample Depth (feet)	Sample I.D.	SPT	% Rec.	PID (ppm)	FIELD IDENTIFICATION OF MATERIAL	SCHEMATIC	COMMENTS
0 0.4	NA	NA NA		0.0 0.0	Wet dense black to brown GRAVEL and SILT, little fine-coarse SAND. GM.		
0.4 0.9	B-9_11112020_0.5-1.0	NA NA	96	43.1 0.0	Moist stiff brown to black SILT, little CLAY. ML.		
0.9 4.8	B-9_11112020_2.0-2.5	NA NA		2000 197	Damp stiff red brown CLAY, little fine-coarse GRAVEL, trace SILT. Strong odor.		
4.8 5.0	NA	NA NA			No Recovery.		
5.0 10.0	B-9_11112020_9.5-10.0	NA NA	100	150 220	Damp stiff red brown CLAY, little fine-coarse GRAVEL, trace SILT. Strong odor.		

SAMPLING METHOD
SS = SPLIT SPOON
A = AUGER CUTTINGS
GP = GEOPROBE - DIRECT PUSH

COMMENTS:

DRILLING RECORD

BORING/ WELL NO. B-10 Sheet 1 of 1

Contractor:	Cascade
Driller:	Todd Grossman, Luke Taylor
Inspector:	Tayler Schweigel, Dan Chamberland
Rig Type:	Geoprobe
PROJECT NAME:	Tonawanda Plastics
PROJECT NUMBER:	451224.01102
Location Description:	
Northing:	1086109.33
Easting:	1055477.50
Ground Surface Elevation (ft AMSL):	595.9

GROUNDWATER OBSERVATIONS (ft AMSL)

Water Level				
Date				
Time				
TOC Elevation				

Weather: Warm, clear, calm

Date/Time Start: 11/10/2020 11:10

Date/Time Finish: 11/10/2020 11:15

Location Plan

Sample Depth (feet)	Sample I.D.	SPT	% Rec.	PID (ppm)	FIELD IDENTIFICATION OF MATERIAL	SCHEMATIC	COMMENTS
0	NA	NA	100	0.0	Damp soft brown SILT, some fine-coarse GRAVEL. GM.		
0.3		NA		0.0			
0.3	NA	NA		0.0	Damp to dry stiff to very stiff red brown CLAY, little fine-coarse GRAVEL. CL.		
5.0		NA		0.0			

SAMPLING METHOD

SS = SPLIT SPOON

A = AUGER CUTTINGS

GP = GEOPROBE - DIRECT PUSH

COMMENTS:

DRILLING RECORD

BORING/ WELL NO. B-11 Sheet 1 of 1

Contractor:	Cascade
Driller:	Todd Grossman, Luke Taylor
Inspector:	Tayler Schweigel, Dan Chamberland
Rig Type:	Geoprobe
PROJECT NAME:	Tonawanda Plastics
PROJECT NUMBER:	451224.01102
Location Description:	
Northing:	1086099.14
Easting:	1055546.08
Ground Surface Elevation (ft AMSL):	596.4

GROUNDWATER OBSERVATIONS (ft AMSL)

Water Level				
Date				
Time				
TOC Elevation				

Weather: Warm, clear, calm

Date/Time Start: 11/10/2020 9:10

Date/Time Finish: 11/10/2020 9:25

Location Plan

Sample Depth (feet)	Sample I.D.	SPT	% Rec.	PID (ppm)	FIELD IDENTIFICATION OF MATERIAL	SCHEMATIC	COMMENTS
0	NA	NA		0.0	Damp loose dark brown GRAVEL, some fine-medium SAND, little SILT, trace ORGANICS, well-graded. GW.		
0.2		NA		0.0			
0.2	NA	NA		0.0	Wood. Slight odor.		
0.8		NA		0.0			
0.8	NA	NA	92	0.0	Moist medium dense dark brown to black fine-coarse SAND, some fine-coarse GRAVEL, little SILT, well-graded. GM.		
1.5		NA		0.0			
1.5	NA	NA		0.0	Damp medium stiff to stiff red brown CLAY, trace fine GRAVEL, trace SILT.		
4.6		NA		0.0			
4.6	NA	NA			No Recovery.		
5.0		NA					

SAMPLING METHOD

SS = SPLIT SPOON

A = AUGER CUTTINGS

GP = GEOPROBE - DIRECT PUSH

COMMENTS:

Contractor:	Cascade	**DRILLING RECORD**	**BORING/ WELL NO.** B-12 Sheet 1 of 1
Driller:	Todd Grossman, Luke Taylor		**Location Description:**
Inspector:	Tayler Schweigel, Dan Chamberland	**PROJECT NAME:** Tonawanda Plastics	Northing: 1086109.94
Rig Type:	Geoprobe	**PROJECT NUMBER:** 451224.01102	Easting: 1055646.15
			Ground Surface Elevation (ft AMSL): 598.1

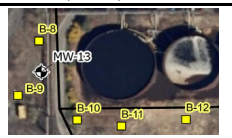
GROUNDWATER OBSERVATIONS (ft AMSL)				
Water Level				
Date				
Time				
TOC Elevation				

Weather: Warm, clear, calm

Date/Time Start: 11/10/2020 9:45

Date/Time Finish: 11/10/2020 9:55

Location Plan



Sample Depth (feet)	Sample I.D.	SPT	% Rec.	PID (ppm)	FIELD IDENTIFICATION OF MATERIAL	SCHEMATIC	COMMENTS
0	NA	NA		0.0	Damp medium stiff brown SILT, some fine SAND, little ORGANICS, well-graded. CL.		
0.4		NA		0.0			
0.4	NA	NA	100	0.0	Damp soft to medium stiff red brown CLAY and tan medium SAND, some coarse GRAVEL, well-graded. SM.		
0.9		NA		0.0			
0.9	B-12_11102020_1.0-1.5	NA		0.0	Damp medium stiff to stiff red brown CLAY and medium SAND, some coarse GRAVEL, well-graded. ML.		
5.0		NA		0.0			

SAMPLING METHOD

SS = SPLIT SPOON

A = AUGER CUTTINGS

GP = GEOPROBE - DIRECT PUSH

COMMENTS:

Contractor:	Cascade	**DRILLING RECORD**	**BORING/ WELL NO.** B-13 Sheet 1 of 1
Driller:	Todd Grossman, Luke Taylor		**Location Description:**
Inspector:	Tayler Schweigel, Dan Chamberland	**PROJECT NAME:** Tonawanda Plastics	Northing: 1086102.56
Rig Type:	Geoprobe	**PROJECT NUMBER:** 451224.01102	Easting: 1055793.86
			Ground Surface Elevation (ft AMSL): 598.6

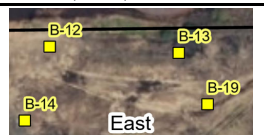
GROUNDWATER OBSERVATIONS (ft AMSL)				
Water Level				
Date				
Time				
TOC Elevation				

Weather: Warm, clear, calm

Date/Time Start: 11/10/2020 10:05

Date/Time Finish: 11/10/2020 10:10

Location Plan



Sample Depth (feet)	Sample I.D.	SPT	% Rec.	PID (ppm)	FIELD IDENTIFICATION OF MATERIAL	SCHEMATIC	COMMENTS
0	NA	NA		0.0	Damp soft dark brown SILT, little fine-medium GRAVEL, little fine-coarse SAND, well-graded. SM.		
0.2		NA		0.0			
0.2	NA	NA	100	0.0	Damp medium dense dark brown to black fine-coarse SAND and fine-coarse GRAVEL, well-graded. GW.		
1.2		NA		0.0			
1.2	NA	NA		0.0	Damp medium stiff to stiff red brown CLAY, little fine-medium GRAVEL, trace fine-medium SAND.		
5.0		NA		0.0			

SAMPLING METHOD
SS = SPLIT SPOON
A = AUGER CUTTINGS
GP = GEOPROBE - DIRECT PUSH

COMMENTS:

Contractor:	Cascade	**DRILLING RECORD**	**BORING/ WELL NO.** B-14 Sheet 1 of 1
Driller:	Todd Grossman, Luke Taylor		**Location Description:**
Inspector:	Tayler Schweigel, Dan Chamberland	**PROJECT NAME:** Tonawanda Plastics	Northing: 1086022.00
Rig Type:	Geoprobe	**PROJECT NUMBER:** 451224.01102	Easting: 1055617.75
			Ground Surface Elevation (ft AMSL): 597.6

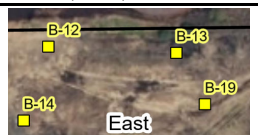
GROUNDWATER OBSERVATIONS (ft AMSL)				
Water Level				
Date				
Time				
TOC Elevation				

Weather: Warm, clear, calm

Date/Time Start: 11/10/2020 10:25

Date/Time Finish: 11/10/2020 10:35

Location Plan



Sample Depth (feet)	Sample I.D.	SPT	% Rec.	PID (ppm)	FIELD IDENTIFICATION OF MATERIAL	SCHEMATIC	COMMENTS
0	NA	NA		0.0	Damp medium dense brown SILT, little fine-coarse SAND. ML.		
0.2		NA		0.0			
0.2	NA	NA		0.0	Dry coarse GRAVEL (one large clast).		
0.3		NA		0.0			
0.3	NA	NA	100	0.0	Damp medium dense black fine-coarse SAND some fine-coarse GRAVEL. GP.		
0.4		NA		0.0			
0.4	B-14_11102020_0.3-0.8	NA		0.9	Black Fill - black fine-coarse SAND (Breeze). Strong odor.		
0.6		NA		1.2			
0.6	B-14_11102020_4.5-5.0	NA		0.5	Damp soft to medium stiff red brown CLAY, trace fine-medium GRAVEL. CL.		
5.0		NA		0.0			

SAMPLING METHOD

SS = SPLIT SPOON

A = AUGER CUTTINGS

GP = GEOPROBE - DIRECT PUSH

COMMENTS:

Contractor: Cascade
Driller: Todd Grossman, Luke Taylor
Inspector: Tayler Schweigel, Dan Chamberland
Rig Type: Geoprobe

DRILLING RECORD

PROJECT NAME: Tonawanda Plastics
PROJECT NUMBER: 451224.01102

BORING/ WELL NO. B-15 Sheet 1 of 1
Location Description:
Northing: 1085962.18
Easting: 1055563.34
Ground Surface Elevation (ft AMSL): 596

Location Plan

Weather: Warm, clear, calm
Date/Time Start: 11/10/2020 8:40
Date/Time Finish: 11/10/2020 9:00

GROUNDWATER OBSERVATIONS (ft AMSL)

Water Level				
Date				
Time				
TOC Elevation				

Sample Depth (feet)	Sample I.D.	SPT	% Rec.	PID (ppm)	FIELD IDENTIFICATION OF MATERIAL	SCHEMATIC	COMMENTS
0	NA	NA		0.0	Damp mediuim stiff to soft brown SILT, little fine-medium SAND, trace ORGANICS. ML.		
0.5		NA		0.0			
0.5	NA	NA		0.0	Damp medium stiff dark brown SILT and fine-coarse SAND, little fine-medium GRAVEL, well-graded. CL.		
0.8		NA		0.0			
0.8	NA	NA		0.0	Moist dense dark brown fine-coarse SAND, some fine-coarse GRAVEL, little SILT, well-graded. GM.		
1.5		NA		0.0			
1.5	B-15_11102020_1.3-1.8	NA	74	0.0	Moist medium dense gray fine-coarse GRAVEL and fine-coarse SAND, poorly-graded. GP.		
1.8		NA		0.0			
1.8	NA	NA		0.0	Moist dense dark brown fine-coarse SAND, some fine to medium GRAVEL, some SILT. GM.		
2.2		NA		0.0			
2.2	NA	NA		0.0	Moist to damp medium stiff red brown CLAY, trace fine-medium GRAVEL. CL.		
3.7		NA		0.0			
3.7	NA	NA			No Recovery.		
5.0		NA					

SAMPLING METHOD
SS = SPLIT SPOON
A = AUGER CUTTINGS
GP = GEOPROBE - DIRECT PUSH

COMMENTS:

Contractor: Cascade
Driller: Todd Grossman, Luke Taylor
Inspector: Tayler Schweigel, Dan Chamberland
Rig Type: Geoprobe

DRILLING RECORD

PROJECT NAME: Tonawanda Plastics
PROJECT NUMBER: 451224.01102

BORING/ WELL NO. B-16 Sheet 1 of 1
Location Description:
Northing: 1085822.29
Easting: 1055494.93
Ground Surface Elevation (ft AMSL): 596.2

Location Plan

Weather: Warm, clear, calm
Date/Time Start: 11/10/2020 12:10
Date/Time Finish: 11/10/2020 12:20

GROUNDWATER OBSERVATIONS (ft AMSL)				
Water Level				
Date				
Time				
TOC Elevation				

Sample Depth (feet)	Sample I.D.	SPT	% Rec.	PID (ppm)	FIELD IDENTIFICATION OF MATERIAL	SCHEMATIC	COMMENTS
0	NA	NA		0.0	Damp medium dense black SILT and fine-coarse SAND, some fine-coarse GRAVEL. SM.		
0.4		NA		0.0			
0.4	B-16_11102020_0.9-1.4	NA	100	75.3	Pliable Tar and black fine-medium SAND (Breeze),. Strong odor. Pliable Tar/ Fill Mixture.		
1.7		NA		62.7			
1.7	B-16_11102020_2.5-3.0	NA		0.6	Damp medium stiff to stiff red brown CLAY, little fine-medium GRAVEL. CL.		
5.0		NA		0.6			

SAMPLING METHOD
SS = SPLIT SPOON
A = AUGER CUTTINGS
GP = GEOPROBE - DIRECT PUSH

COMMENTS:

Contractor:	Cascade	**DRILLING RECORD**	**BORING/ WELL NO.** B-17 Sheet 1 of 1
Driller:	Todd Grossman, Luke Taylor		**Location Description:**
Inspector:	Tayler Schweigel, Dan Chamberland	**PROJECT NAME:** Tonawanda Plastics	Northing: 1085868.28
Rig Type:	Geoprobe	**PROJECT NUMBER:** 451224.01102	Easting: 1055623.47
			Ground Surface Elevation (ft AMSL): 595.7

GROUNDWATER OBSERVATIONS (ft AMSL)				
Water Level				
Date				
Time				
TOC Elevation				

Weather: Warm, clear, calm

Date/Time Start: 11/10/2020 8:20

Date/Time Finish: 11/10/2020 8:40

Location Plan

Sample Depth (feet)	Sample I.D.	SPT	% Rec.	PID (ppm)	FIELD IDENTIFICATION OF MATERIAL	SCHEMATIC	COMMENTS
0	NA	NA		0.0	Damp medium stiff brown SILT, little fine-medium SAND, trace ORGANICS, well-graded. ML.		
0.2		NA		0.0			
0.2	NA	NA		0.0	Dry loose light gray fine-coarse SAND and SILT, some fine-coarse GRAVEL, well-graded. SM. (concrete slab)		
0.7		NA		0.0			
0.7	B-17_11102020_0.7-1.2	NA	88	0.8	Damp to moist soft red brown CLAY and brown to black fine-coarse SAND (breeze), little fine-coarse GRAVEL. SC.		
1.0		NA		1.2			
1.0	B-17_11102020_1.5-2.0	NA		0.0	Dry to damp stiff red brown CLAY, little fine-coarse GRAVEL. CL.		
4.4		NA		0.0			
4.4	NA	NA			No Recovery.		
5.0		NA					
5.0	NA	NA	100	0.0	Dry to damp stiff red brown CLAY, little fine-coarse GRAVEL. CL.		
10.0		NA		0.0			

SAMPLING METHOD

SS = SPLIT SPOON

A = AUGER CUTTINGS

GP = GEOPROBE - DIRECT PUSH

COMMENTS:

Contractor:	Cascade	**DRILLING RECORD**	**BORING/ WELL NO.** B-18 Sheet 1 of 1
Driller:	Todd Grossman, Luke Taylor		**Location Description:**
Inspector:	Tayler Schweigel, Dan Chamberland	**PROJECT NAME:** Tonawanda Plastics	Northing: 1085961.34
Rig Type:	Geoprobe	**PROJECT NUMBER:** 451224.01102	Easting: 1055848.79
			Ground Surface Elevation (ft AMSL): 599.2

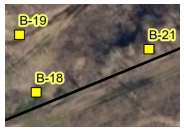
GROUNDWATER OBSERVATIONS (ft AMSL)				
Water Level				
Date				
Time				
TOC Elevation				

Weather: Warm, clear, calm

Date/Time Start: 11/9/2020 14:30

Date/Time Finish: 11/9/2020 14:40

Location Plan



Sample Depth (feet)	Sample I.D.	SPT	% Rec.	PID (ppm)	FIELD IDENTIFICATION OF MATERIAL	SCHEMATIC	COMMENTS
0	NA	NA		0.0	Damp red brown CLAY, some SILT. ML.		
0.4		NA		0.0			
0.4	NA	NA		0.0	Damp medium dense black fine-coarse SAND and fine-coarse GRAVEL, well-graded. GM.		
0.9		NA		0.0			
0.9	B-18_11092020_0.9-1.4	NA	100	35.2	Pliable, shiny Tar, some fine SAND (Breeze").		
1.8		NA		7.4			
1.8	NA	NA		1.5	Damp soft medium stiff gray CLAY, little SILT, trace fine SAND. ML.		
4.5		NA		0.0			
4.5	B-18_11092020_4.5-5.0	NA		0.0	Damp medium stiff to stiff mottled red brown and gray CLAY, little SILT, trace fine GRAVEL. CL.		
5.0		NA		0.0			

SAMPLING METHOD

SS = SPLIT SPOON

A = AUGER CUTTINGS

GP = GEOPROBE - DIRECT PUSH

COMMENTS:

Contractor:	Cascade	**DRILLING RECORD**	**BORING/ WELL NO.** B-19 Sheet 1 of 1
Driller:	Todd Grossman, Luke Taylor		**Location Description:**
Inspector:	Tayler Schweigel, Dan Chamberland	**PROJECT NAME:** Tonawanda Plastics	Northing: 1086041.41
Rig Type:	Geoprobe	**PROJECT NUMBER:** 451224.01102	Easting: 1055826.84
			Ground Surface Elevation (ft AMSL): 598.2

GROUNDWATER OBSERVATIONS (ft AMSL)				
Water Level				
Date				
Time				
TOC Elevation				

Weather: Warm, clear, calm

Date/Time Start: 11/9/2020 15:55

Date/Time Finish: 11/9/2020 16:05

Location Plan

Sample Depth (feet)	Sample I.D.	SPT	% Rec.	PID (ppm)	FIELD IDENTIFICATION OF MATERIAL	SCHEMATIC	COMMENTS
0	NA	NA	100	0.0	Moist soft brown SILT, some fine-coarse GRAVEL, little coarse SAND, trace ORGANICS, well-graded. SM.		
0.3		NA		0.0			
0.3	B-19_11092020_4.5-5.0	NA		0.0	Damp stiff red brown CLAY, little fine-coarse GRAVEL. CL.		
5.0		NA		0.0			

SAMPLING METHOD

SS = SPLIT SPOON

A = AUGER CUTTINGS

GP = GEOPROBE - DIRECT PUSH

COMMENTS:

DRILLING RECORD

Contractor:	Cascade
Driller:	Todd Grossman, Luke Taylor
Inspector:	Tayler Schweigel, Dan Chamberland
Rig Type:	Geoprobe
PROJECT NAME:	Tonawanda Plastics
PROJECT NUMBER:	451224.01102
Weather:	Warm, clear, calm
Date/Time Start:	11/9/2020 9:20
Date/Time Finish:	11/9/2020 9:50

BORING/ WELL NO. B-20 Sheet 1 of 1

Location Description:

Northing: 1085936.61

Easting: 1055607.71

Ground Surface Elevation (ft AMSL): 595.8

Location Plan

GROUNDWATER OBSERVATIONS (ft AMSL)

Water Level				
Date				
Time				
TOC Elevation				

Sample Depth (feet)	Sample I.D.	SPT	% Rec.	PID (ppm)	FIELD IDENTIFICATION OF MATERIAL	SCHEMATIC	COMMENTS
0 0.3	NA	NA NA	62	0.0 0.0	Damp medium stiff brown SILT, little organics, poorly graded. CL.		
0.3 1.2	NA	NA NA		0.0 0.0	Damp medium dense dark brown to black fine-medium SAND and fine GRAVEL, some medium GRAVEL, well-graded. Large gravel clast at base. GM.		
1.2 1.7	B-20_11092020_6.1-6.6	NA NA		0.0 0.0	Moist dense brown-gray fine-coarse GRAVEL, little fine-coarse SAND, trace SILT, well-graded. Fill. GW.		
1.7 2.7	NA				Moist medium dense brown medium-coarse SAND, some fine-coarse GRAVEL, well-graded. SW.		
2.7 5.0	NA				No Recovery.		
5.0 6.1	NA				Moist medium dense brown medium-coarse SAND, some fine-coarse GRAVEL, well-graded. SW.		
6.1 10.0	NA				Damp medium stiff to very stiff red brown CLAY, trace fine-coarse GRAVEL. CL.		

SAMPLING METHOD

SS = SPLIT SPOON

A = AUGER CUTTINGS

GP = GEOPROBE - DIRECT PUSH

COMMENTS:

Contractor:	Cascade	**DRILLING RECORD**	**BORING/ WELL NO.** B-21 Sheet 1 of 1
Driller:	Todd Grossman, Luke Taylor		**Location Description:**
Inspector:	Tayler Schweigel, Dan Chamberland	**PROJECT NAME:** Tonawanda Plastics	Northing: 1086021.35
Rig Type:	Geoprobe	**PROJECT NUMBER:** 451224.01102	Easting: 1055997.67
			Ground Surface Elevation (ft AMSL): 599.2

GROUNDWATER OBSERVATIONS (ft AMSL)				
Water Level				
Date				
Time				
TOC Elevation				

Weather: Warm, clear, calm

Date/Time Start: 11/9/2020 13:40

Date/Time Finish: 11/9/2020 13:50

Location Plan

Sample Depth (feet)	Sample I.D.	SPT	% Rec.	PID (ppm)	FIELD IDENTIFICATION OF MATERIAL	SCHEMATIC	COMMENTS
0	NA	NA	100	0.0	Damp soft brown SILT, some fine-coarse- GRAVEL, trace fine-coarse SAND, trace ORGANICS, well-graded. Fill. GM.		
1.1		NA		0.0			
1.1	NA	NA		0.0	Dry to damp stiff red brown CLAY, trace fine-medium GRAVEL. CL.		
2.0		NA		0.0			

SAMPLING METHOD

SS = SPLIT SPOON

A = AUGER CUTTINGS

GP = GEOPROBE - DIRECT PUSH

COMMENTS:

Contractor:	Cascade	**DRILLING RECORD**	**BORING/ WELL NO.** B-22 Sheet 1 of 1
Driller:	Todd Grossman, Luke Taylor		**Location Description:**
Inspector:	Tayler Schweigel, Dan Chamberland	**PROJECT NAME:** Tonawanda Plastics	Northing: 1086145.79
Rig Type:	Geoprobe	**PROJECT NUMBER:** 451224.01102	Easting: 1056043.76
			Ground Surface Elevation (ft AMSL): 599.7

GROUNDWATER OBSERVATIONS (ft AMSL)

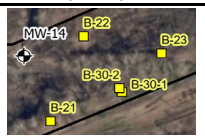
Water Level				
Date				
Time				
TOC Elevation				

Weather: Warm, clear, calm

Date/Time Start: 11/9/2020 13:15

Date/Time Finish: 11/9/2020 13:30

Location Plan



Sample Depth (feet)	Sample I.D.	SPT	% Rec.	PID (ppm)	FIELD IDENTIFICATION OF MATERIAL	SCHEMATIC	COMMENTS
0	NA	NA	100	0.0	Wet medium dense dark brown to black fine-coarse-GRAVEL, some fine-coarse-SAND, some SILT, trace ORGANICS, well-graded. GM		
0.9		NA		0.0			
0.9	NA	NA		0.0	Moist soft to medium stiff red brown CLAY, trace SILT, trace GRAVEL. CL.		
1.8		NA		0.0			

SAMPLING METHOD

SS = SPLIT SPOON

A = AUGER CUTTINGS

GP = GEOPROBE - DIRECT PUSH

COMMENTS:

Contractor:	Cascade	**DRILLING RECORD**	**BORING/ WELL NO.** B-23 Sheet 1 of 1
Driller:	Todd Grossman, Luke Taylor		**Location Description:**
Inspector:	Tayler Schweigel, Dan Chamberland	**PROJECT NAME:** Tonawanda Plastics	Northing: 1086120.86
Rig Type:	Hand Auger	**PROJECT NUMBER:** 451224.01102	Easting: 1056152.18
			Ground Surface Elevation (ft AMSL): 599.7

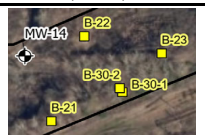
GROUNDWATER OBSERVATIONS (ft AMSL)				
Water Level				
Date				
Time				
TOC Elevation				

Weather: Warm, clear, calm

Date/Time Start: 11/9/2020 14:00

Date/Time Finish: 11/9/2020 14:25

Location Plan



Sample Depth (feet)	Sample I.D.	SPT	% Rec.	PID (ppm)	FIELD IDENTIFICATION OF MATERIAL	SCHEMATIC	COMMENTS
0	NA	NA	100	0.0	Wet medium dense dark brown and gray SILT, some fine-coarse SAND, little fine-coarse GRAVEL, well-graded. GM.		
0.9		NA		0.0			
0.9	NA	NA		0.0	Damp medium stiff to stiff red-orange brown CLAY, trace fine-medium SAND. CL.		
1.7		NA		0.0			

SAMPLING METHOD

SS = SPLIT SPOON

A = AUGER CUTTINGS

GP = GEOPROBE - DIRECT PUSH

COMMENTS:

Contractor:	Cascade	**DRILLING RECORD**	**BORING/ WELL NO.** B-24 Sheet 1 of 1
Driller:	Todd Grossman, Luke Taylor		**Location Description:**
Inspector:	Tayler Schweigel, Dan Chamberland	**PROJECT NAME:** Tonawanda Plastics	Northing: 1086198.79
Rig Type:	Hand Auger	**PROJECT NUMBER:** 451224.01102	Easting: 1056124.13
			Ground Surface Elevation (ft AMSL): 599.6

GROUNDWATER OBSERVATIONS (ft AMSL)				
Water Level				
Date				
Time				
TOC Elevation				

Weather: Warm, clear, calm

Date/Time Start: 11/9/2020 13:00

Date/Time Finish: 11/9/2020 13:10

Location Plan

Sample Depth (feet)	Sample I.D.	SPT	% Rec.	PID (ppm)	FIELD IDENTIFICATION OF MATERIAL	SCHEMATIC	COMMENTS
0	NA	NA	100	0.0	Wet medium dense dark brown to black fine-coarse-SAND and fine-coarse GRAVEL, some ORGANICS, well-graded. GM.		
0.6		NA		0.0			
0.6	NA	NA		0.0	Moist medium stiff red brown CLAY, little SILT. CL.		
1.4		NA		0.0			

SAMPLING METHOD

SS = SPLIT SPOON

A = AUGER CUTTINGS

GP = GEOPROBE - DIRECT PUSH

COMMENTS:

DRILLING RECORD

BORING/ WELL NO. B-25 Sheet 1 of 1

Contractor:	Cascade
Driller:	Todd Grossman, Luke Taylor
Inspector:	Tayler Schweigel, Dan Chamberland
Rig Type:	Hand Auger
PROJECT NAME:	Tonawanda Plastics
PROJECT NUMBER:	451224.01102
Location Description:	
Northing:	1086188.08
Easting:	1056349.59
Ground Surface Elevation (ft AMSL):	601.8
Weather:	Warm, clear, calm
Date/Time Start:	11/9/2020 10:10
Date/Time Finish:	11/9/2020 10:20

Location Plan

GROUNDWATER OBSERVATIONS (ft AMSL)

Water Level				
Date				
Time				
TOC Elevation				

Sample Depth (feet)	Sample I.D.	SPT	% Rec.	PID (ppm)	FIELD IDENTIFICATION OF MATERIAL	SCHEMATIC	COMMENTS
0	NA	NA	100	0.0	Moist loose dark brown to black medium-coarse SAND and fine-coarse GRAVEL, well-graded. Fill. GM.		
1.9		NA		0.0			
1.9	NA	NA		0.0	Moist soft to medium stiff red and gray CLAY, trace fine-medium GRAVEL. CL.		
3.0		NA		0.0			

SAMPLING METHOD

SS = SPLIT SPOON

A = AUGER CUTTINGS

GP = GEOPROBE - DIRECT PUSH

COMMENTS:

Contractor:	Cascade	**DRILLING RECORD**	**BORING/ WELL NO.** B-26 Sheet 1 of 1
Driller:	Todd Grossman, Luke Taylor		**Location Description:**
Inspector:	Tayler Schweigel, Dan Chamberland	**PROJECT NAME:** Tonawanda Plastics	Northing: 1086228.56
Rig Type:	Hand Auger	**PROJECT NUMBER:** 451224.01102	Easting: 1056285.03
			Ground Surface Elevation (ft AMSL): 601.3

GROUNDWATER OBSERVATIONS (ft AMSL)				
Water Level				
Date				
Time				
TOC Elevation				

Weather: Warm, clear, calm

Date/Time Start: 11/9/2020 11:30

Date/Time Finish: 11/9/2020 10:35

Location Plan

Sample Depth (feet)	Sample I.D.	SPT	% Rec.	PID (ppm)	FIELD IDENTIFICATION OF MATERIAL	SCHEMATIC	COMMENTS
0	NA	NA	100	0.0	Moist soft dark brown to black fine-coarse-SAND and fine-coarse GRAVEL, little SILT, well-graded. GM.		
2.0		NA		0.0			
2.0	NA	NA		0.0	Damp medium stiff to stiff red brown CLAY, little SILT. CL.		
2.5		NA		0.0			

SAMPLING METHOD

SS = SPLIT SPOON

A = AUGER CUTTINGS

GP = GEOPROBE - DIRECT PUSH

COMMENTS:

DRILLING RECORD

BORING/ WELL NO. B-27 Sheet 1 of 1

Contractor:	Cascade
Driller:	Todd Grossman, Luke Taylor
Inspector:	Tayler Schweigel, Dan Chamberland
Rig Type:	Hand Auger
PROJECT NAME:	Tonawanda Plastics
PROJECT NUMBER:	451224.01102
Location Description:	
Northing:	1086338.94
Easting:	1056266.35
Ground Surface Elevation (ft AMSL):	601.2

GROUNDWATER OBSERVATIONS (ft AMSL)

Water Level				
Date				
Time				
TOC Elevation				

Weather: Warm, clear, calm

Date/Time Start: 11/9/2020 11:45

Date/Time Finish: 11/9/2020 12:00

Location Plan

Sample Depth (feet)	Sample I.D.	SPT	% Rec.	PID (ppm)	FIELD IDENTIFICATION OF MATERIAL	SCHEMATIC	COMMENTS
0	NA	NA	100	0.0	Moist to wet black to dark brown loose to medium dense fine-coarse- SAND and fine-coarse GRAVEL, some SILT, trace organics, well-graded. GM.		
2.4		NA		0.0			
2.4	NA	NA		0.0	Damp red brown stiff CLAY, little gray fine SAND. CL.		
3.1		NA		0.0			

SAMPLING METHOD

SS = SPLIT SPOON

A = AUGER CUTTINGS

GP = GEOPROBE - DIRECT PUSH

COMMENTS:

DRILLING RECORD

BORING/ WELL NO. B-28 Sheet 1 of 1

Contractor:	Cascade
Driller:	Todd Grossman, Luke Taylor
Inspector:	Tayler Schweigel, Dan Chamberland
Rig Type:	Hand Auger
PROJECT NAME:	Tonawanda Plastics
PROJECT NUMBER:	451224.01102
Location Description:	
Northing:	1086311.74
Easting:	1056190.39
Ground Surface Elevation (ft AMSL):	600.4

GROUNDWATER OBSERVATIONS (ft AMSL)

Water Level				
Date				
Time				
TOC Elevation				

Weather: Warm, clear, calm

Date/Time Start: 11/9/2020 12:15

Date/Time Finish: 11/9/2020 12:40

Location Plan

Sample Depth (feet)	Sample I.D.	SPT	% Rec.	PID (ppm)	FIELD IDENTIFICATION OF MATERIAL	SCHEMATIC	COMMENTS
0	NA	NA	100	0.0	Moist to wet black to dark brown loose to medium dense fine-coarse- SAND and fine-coarse GRAVEL, some SILT, trace organics, well-graded. GM.		
1.8		NA		0.0			
1.8	NA	NA		0.0	Moist medium stiff red brown CLAY, little SILT. CL.		
2.4		NA		0.0			

SAMPLING METHOD

SS = SPLIT SPOON

A = AUGER CUTTINGS

GP = GEOPROBE - DIRECT PUSH

COMMENTS:

DRILLING RECORD

BORING/ WELL NO. B-29 Sheet 1 of 1

Contractor:	Cascade
Driller:	Todd Grossman, Luke Taylor
Inspector:	Tayler Schweigel, Dan Chamberland
Rig Type:	Hand Auger
PROJECT NAME:	Tonawanda Plastics
PROJECT NUMBER:	451224.01102
Location Description:	
Northing:	1086124.75
Easting:	1056269.13
Ground Surface Elevation (ft AMSL):	601.3

GROUNDWATER OBSERVATIONS (ft AMSL)

Water Level				
Date				
Time				
TOC Elevation				

Weather: Warm, clear, calm

Date/Time Start: 11/10/2020 12:45

Date/Time Finish: 11/10/2020 13:00

Location Plan

Sample Depth (feet)	Sample I.D.	SPT	% Rec.	PID (ppm)	FIELD IDENTIFICATION OF MATERIAL	SCHEMATIC	COMMENTS
0	NA	NA	100	0.0	Damp to dry medium dense black fine-coarse SAND, some fine-coarse GRAVEL.		
1.8		NA		0.0			
1.8	B-29_11102020_1.8-2.3	NA		0.0	Damp soft red brown CLAY, trace GRAVEL. CL.		
2.5		NA		0.0			

SAMPLING METHOD

SS = SPLIT SPOON

A = AUGER CUTTINGS

GP = GEOPROBE - DIRECT PUSH

COMMENTS:

DRILLING RECORD

BORING/ WELL NO. B-30 Sheet 1 of 1

Contractor:	Cascade
Driller:	Todd Grossman, Luke Taylor
Inspector:	Tayler Schweigel, Dan Chamberland
Rig Type:	Hand Auger
PROJECT NAME:	Tonawanda Plastics
PROJECT NUMBER:	451224.01102
Location Description:	
Northing:	1086063.96
Easting:	1056097.14
Ground Surface Elevation (ft AMSL):	599.2

GROUNDWATER OBSERVATIONS (ft AMSL)

Water Level				
Date				
Time				
TOC Elevation				

Weather: Warm, clear, calm

Date/Time Start: 11/10/2020 13:00

Date/Time Finish: 11/10/2020 13:15

Location Plan

Sample Depth (feet)	Sample I.D.	SPT	% Rec.	PID (ppm)	FIELD IDENTIFICATION OF MATERIAL	SCHEMATIC	COMMENTS
0	NA	NA		0.0	Damp soft brown SILT, little fine-coarse GRAVEL. GM.		
0.5		NA		0.0			
0.5	B-30_11102020_0.5-1.0	NA	100	53.2	Pliable Tar, black fine to coarse Sand and fine to medium Gravel. Strong Odor.		
1.5		NA		32.4			
1.5	B-30_11102020_3.5-4.0	NA		0.0	Damp soft to medium stiff red brown CLAY, little fine-medium GRAVEL. CL.		
4.0		NA		0.0			

SAMPLING METHOD

SS = SPLIT SPOON

A = AUGER CUTTINGS

GP = GEOPROBE - DIRECT PUSH

COMMENTS:

Refusal at 1.5 feet. Moved 10 feet NW and completed the boring to 4.0 feet bgs.

B-30-1 on map is location with refusal. B-30-2 on map is the location to 4.0 feet bgs.

Appendix B Monitoring Well Construction Logs

Honeywell

PARSONS

PARSONS
DRILLING RECORD

BORING/ WELL NO. MW-13 Page 1 of 1

Contractor: Cascade
Driller: Todd Grossman, Luke Taylor
Oversight: Tayler Schweigel, Dan Chamberland
Rig Type: Track mounted Geoprobe

PROJECT NAME: Tonawanda Plastics
PROJECT Location: Tonawanda NY

Location Description:

GROUNDWATER OBSERVATIONS			
Apparent Borehole DTW:		NA	ft bls
Measured Water Level:		NA	ft bls
Total Depth of Well:		NA	ft bls
Additional Comments:			

Date/Time Start: 11/17/2020 8:25
Date/Time Finish: 11/17/2020 8:35

Location Plan

Sample Type	SPT	Recovery (%)	PID (PPM)	USCS Symbol	Depth (ft bls)	FIELD IDENTIFICATION OF MATERIAL	SCHEMATIC Drawing Not to Scale	COMMENTS
								SS Stick-up protective casing within cement pad
								2" dia. PVC Stick-up inner casing
			0.0	GM		0.0 - 0.1: Wet-moist soft brown-black SILT, some fine SAND, some fine-coarse GRAVEL.		
HC	NA	70	0.0	CL	1	0.1 - 3.5: Damp red brown medium stiff CLAY, little fine-coarse GRAVEL.		Backfill of soil cuttings from 0-2' bgs
					2			
GP			0.0		3			Bentonite Grout from 2-3' bgs.
				NA	4	3.5 - 5.0: No Recovery.		2" Diameter Schedule 40 PVC casing.
					5			
GP	NA	95	0.0	CL	6	5.0 - 9.5: Damp red brown medium stiff CLAY, little fine-coarse GRAVEL.		#0 Sand from 3'-10' bgs.
					7			
					8			0.01" Slotted PVC Screen from 5-10' bgs
			0.0		9			
				NA	10	9.5 - 10.0: No Recovery.		Bottom of Boring at 10' bgs
					11			
					12			
					13			
					14			
					15			
					16			
					17			
					18			
					19			

SAMPLING METHOD

HC = Hand Cleared
SS= Split Spoon

COMMENTS:

Sediment descriptions and recovery are based on the GP boring at the location of MW-13. Location was hand cleared to 1.5 feet. It was determined that there was native CLAY starting at 0.1 feet bgs, at which point a GP boring was run offset 6 inches from the handcleared location. Then switched to auger to drill over the bornig location. For well drilling and installation: slow augered to 5 feet bgs, then continued at regular pace.

PARSONS

PARSONS
DRILLING RECORD

BORING/ WELL NO. MW-14 Page 1 of 1

Contractor: Cascade
Driller: Todd Grossman, Luke Taylor
Oversight: Tayler Schweigel, Dan Chamberland
Rig Type: Track mounted Geoprobe

PROJECT NAME: Tonawanda Plastics
PROJECT Location: Tonawanda NY

Location Description:

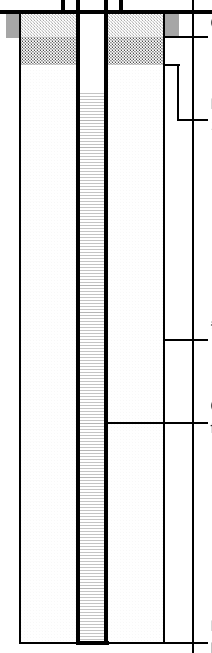
GROUNDWATER OBSERVATIONS			
Apparent Borehole DTW:		NA	ft bls
Measured Water Level:		NA	ft bls
Total Depth of Well:		NA	ft bls
Additional Comments:			

Date/Time Start: 11/10/2020 13:30
Date/Time Finish: 11/10/2020 13:35

Location Plan

Sample Type	SPT	Recovery (%)	PID (PPM)	USCS Symbol	Depth (ft bls)	FIELD IDENTIFICATION OF MATERIAL
			0.0	SP		Dry loose-medium dense light gray fine-coarse GRAVEL and SAND. SP.
			0.0	GM	1	Wet medium dense fine-coarse GRAVEL, some fine-coarse SAND, little SILT. GM.
HC			0.0		2	
	NA	80		CL	3	Damp medium stiff to stiff red brown CLAY, trace fine-medium GRAVEL. CL.
GP					4	
			0.0		5	No Recovery.
			0.0		6	
					7	
GP	NA	100		CL	8	Damp medium stiff to stiff red brown CLAY, trace fine-medium GRAVEL.
					9	
			0.0		10	
			0.0		11	
					12	
GP	NA	100		CL	13	Damp med stiff to stiff red brown CLAY, trace fine-medium GRAVEL.
					14	
			0.0		15	
					16	
					17	
					18	
					19	

SCHEMATIC
Drawing Not to Scale



COMMENTS

SAMPLING METHOD
HC = Hand Cleared (airknife)
SS= Split Spoon

COMMENTS:
Sediment descriptions and recovery are based on the GP boring at the location of MW-14. Location was hand cleared to 2 feet. It was determined that there was native CLAY starting at 1.0 feet bgs, at which point a GP boring was run offset 6 inches from the handcleared location. Then switched to auger to drill over the bornig location. For well drilling and installation: slow augered to 5 feet bgs, then continued at regular pace.

Appendix C Monitoring Well Development Logs

WELL DEVELOPMENT LOG

Date	11/19/2020	Field Personnel	TS/MB	Weather	Mid 40s, cloudy, S 10-20 mph
Site Name	Tonawanda Plastics	Contractor/Driller	na	Well #	MW-14
Site Location	Tonawanda NY	Evacuation Method	bailer	Date Installed:	11/11/2020

Well information:

Depth to bottom (initial)	15.36 ft.	Measurements taken from:	top of casing
Depth to bottom (final)	15.38 ft.	Well Diameter:	2 in.
Depth to water (initial)	5.50 ft.	Casing volume:	1.58 gal.
Depth to water (final)	5.49 ft.	Pump setting intake:	na ft.

Start development time:	9:05
End development time:	10:05
Total time:	1 hour

Time	Cumulative Volume Water Removed (Gal)	Temp (celsius)	pH (s.u)	Conductivity (ms/cm)	Turbidity (NTU)	Approximate Flow Rate (GPM)	Depth to Water (feet)	Appearance of Water
9:05	< 1	10.51	6.18	1.06	>1000	-		cloudy red-brown
9:10	1.0	10.34	6.38	1	>1000	0.2		cloudy red-brown
9:15	2.5	10.03	6.64	0.931	>1000	0.3	6.40	cloudy red-brown
9:20	3.0	9.83	6.82	0.932	>1000	0.1		cloudy red-brown
9:25	4.8	9.87	6.92	0.901	>1000	0.36	8.10	cloudy red-brown
9:30	5.5	10.08	7.00	0.633	>1000	0.14		cloudy red-brown
9:35	7.0	10.12	7.05	0.799	>1000	0.3	9.58	cloudy red-brown
9:40	9.0	10.27	7.05	0.818	>1000	0.4		cloudy red-brown
9:50	12.0	9.81	7.10	0.692	>1000	0.6		cloudy red-brown
9:55	13.0	9.14	7.20	0.533	>1000	0.2	8.22	cloudy red-brown
10:00	14.0	8.62	7.19	0.501	>1000	0.2		cloudy red-brown
10:05	15.0	8.17	7.12	0.496	>1000	0.2	5.49	cloudy red-brown

Development water characteristics:

Total volume of water removed: 15.0

Physical appearance at start:		Physical appearance at stop:	
Color	cloudy red-brown	Color	cloudy red-brown
Odor	none	Odor	none
Sheen/Free Product	none	Sheen/Free Product	none

Notes Bailer initially surged the entire length of the screen prior to purging any groundwater.
15 gallons is approximately 10 well volumes

Appendix D Site Survey Data

Parsons.
Honeywell International.
Wendel Project No. 494802
Prepared By: R. Johnson
3/12/2021

WELL/ BORE DESIGNATION	NORTHING	EASTING	GROUND ELEVATION	TOP OF CASING	TOP OF PVC RISER
MW-13	1086188.4	1055422.1	595.4	598.87	598.73
MW-14	1086117.1	1055960.7	600.2	604.16	603.99
BORE - 1	1086235.9	1055200.8	593.6	-	-
BORE - 2	1086250.7	1055250.7	594.9	-	-
BORE - 3	1086263.1	1055309.6	595.4	-	-
BORE - 4	1086177.5	1055238.0	594.2	-	-
BORE - 5	1086213.1	1055258.3	593.8	-	-
BORE - 6	1086201.3	1055301.4	594.7	-	-
BORE - 7	1086152.8	1055268.1	594.6	-	-
BORE - 8	1086239.3	1055418.5	595.2	-	-
BORE - 9	1086149.6	1055385.9	593.4	-	-
BORE - 10	1086109.3	1055477.5	595.9	-	-
BORE - 11	1086099.1	1055546.1	596.4	-	-
BORE - 12	1086109.9	1055646.2	598.1	-	-
BORE - 13	1086102.6	1055793.9	598.6	-	-
BORE - 14	1086022.0	1055617.7	597.6	-	-
BORE - 15	1085962.2	1055563.3	596.0	-	-
BORE - 16	1085822.3	1055494.9	596.2	-	-
BORE - 17	1085868.3	1055623.5	595.7	-	-
BORE - 18	1085961.3	1055848.8	599.2	-	-
BORE - 19	1086041.4	1055826.8	598.2	-	-
BORE - 20	1085936.6	1055607.7	595.8	-	-
BORE - 21	1086021.4	1055997.7	599.2	-	-
BORE - 22	1086145.8	1056043.8	599.7	-	-
BORE - 23	1086120.9	1056152.2	599.7	-	-
BORE - 24	1086198.8	1056124.1	599.6	-	-
BORE - 25	1086188.1	1056349.6	601.8	-	-
BORE - 26	1086228.6	1056285.0	601.3	-	-
BORE - 27	1086338.9	1056266.3	601.2	-	-
BORE - 28	1086311.7	1056190.4	600.4	-	-
BORE - 29	1086124.7	1056269.1	601.3	-	-
BORE - 30-1	1086064.0	1056097.1	599.2	-	-
BORE - 30-2	1086069.5	1056093.4	599.1	-	-

- Information shown hereon was surveyed by Wendel on March 11, 2021.

- Horizontal control is referenced to the New York State Plane Coordinate System, North American Datum of 1983 (NAD83), Western Zone (US Survey Feet).

- Vertical control is referenced to a map provided by Parsons Titled "Figure 1 Ground Water Contour Map September 27, 1991.

Appendix E Groundwater Sampling Log

Low Flow Groundwater Sampling Log

Date	12/10/20	Personnel	Schweigel, Buzzeo	Weather	35F
Site Name	Tonawanda Plastics	Evacuation Method	Bailer	Well #	MW-14
Site Location	Tonawanda NY	Sampling Method	Low Flow	Project #	451244

Well information:

Depth of Well	15.41	ft.	*Measurements taken from:	
Depth to Water	5.05	ft.	X	Top of Well Casing
H_{wc}	10.36	ft.		Top of Protective Casing
Depth to Intake	n/a	ft.		(Other, Specify)

Start Purge Time: **9:39**

		10%	0.1	3%	10 mV	10%	10%	100 - 500 mL/min
Elapsed Time (min)	**Depth to Water (ft)**	**Temperature (celsius)**	**pH**	**Conductivity (ms/cm)**	**Oxidation Reduction Potential**	**Dissolved Oxygen (mg/L)**	**Turbidity (NTU)**	**Flow Rate (mL/min)**
0	5.06	8.89	6.34	0.545	246	10.30	27.2	1 bailer every 5
5	5.06	8.28	6.05	0.507	215	9.77	156	minutes
10	5.06	7.02	6.94	0.444	182	10.18	382	
15	5.06	6.25	7.21	0.403	179	10.20	371	
20	5.06	6.09	7.55	0.398	185	8.44	374	
25	5.07	5.19	7.52	0.399	188	8.32	388	
30	5.07	4.86	7.58	0.117	186	11.67	164	
35	5.07	4.55	7.84	0.219	178	11.52	217	
40	5.07	4.23	7.84	0.232	178	10.62	235	
45	5.07	3.94	7.93	0.215	177	6.74	193	
50	5.07	3.71	7.95	0.204	177	7.76	185	
55	5.08	3.60	7.95	0.195	176	9.93	180	
60	5.07	3.63	8.07	0.183	172	9.56	164	

End Purge Time: 10:39

Water Sample

Time Collected: 10:45

Total volume of purged water removed: 1.65 (gallons)

Physical appearance at start:		Physical appearance at start:	
Color	cloudy	Color	cloudy
Odor	none	Odor	none
Sheen/Free Product	none	Sheen/Free Product	none

Samples:

Post sample DTW: 5.189

MW-14_12102020 Parent/MS/MSD

MW-140_12102020 Dup @ 12:01

Appendix F Waste Manifests

Certificate of Disposition

Veolia ES Technical Solutions, L.L.C., West Carrollton Facility has a RCRA Part B Permit that allows the facility to commingle wastes, recycle, store and transfer waste for distillation, supplemental fuels for energy recovery, thermal treatment, and stabilization

Veolia ES Technical Solutions, L.L.C. certifies the waste which was received on Manifest Number: ZZ00348130 Date Received: 08/02/2021 will be/was managed in accordance with all applicable federal state and local laws and regulations.

Generator: Honeywell
Generator EPA ID: NYD051816262

DATE CERTIFICATE ISSUED: 09/02/2021

SIGNATURE: Brittany Blankenship

TITLE: OPERATIONS COORDINATOR

R

251999

Please print or type.

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
	NYD051816262	1	(877) 814-0087	001561854 VES

GENERATOR

5. Generator's Name and Mailing Address: MARK SWEITZER
SUNBYWELL
3021 RIVER RD
TONAWANDA, NY 14150
Generator's Phone: 213 867-5431

Generator's Site Address (if different than mailing address): SAME

6. Transporter 1 Company Name: VEOLIA ES TECHNICAL SOLUTIONS
U.S. EPA ID Number: NJD980631369

7. Transporter 2 Company Name: WHEELOLD CARTAGE INC
U.S. EPA ID Number: NJD054126164

8. Designated Facility Name and Site Address: VEOLIA ES TECHNICAL SOLUTIONS L.L.C.
125 FACTORY LANE
MIDDLESEX, NJ 08846
Facility's Phone: 732 469-8100
U.S. EPA ID Number: NJD002454544

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes		
X	1. NA3077, HAZARDOUS WASTE, SOLID, n.o.s., (BENZENE), 9, III	2	DM	1200	P	D018		
						B		
	2.							
	3.							
	4.							

14. Special Handling Instructions and Additional Information: SR Service Contracted by VESTI -> Contract entered by generator confirms agency authority on behalf transporter to add or substitute additional transporters on generator's behalf. -> 1) EMS#171 W:1041660 AMARSOLID

15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgement of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator/Offeror's Printed/Typed Name	Signature	Month	Day	Year
x Tayler Schwelgel	x Tayler Schwelgel	07	23	21

INTL

16. International Shipments: ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name	Signature	Month	Day	Year
THOMAS GILBERT		07	23	21
Transporter 2 Printed/Typed Name: Dave Brown	Signature	Month: 8	Day: 4	Year: 21

DESIGNATED FACILITY

18. Discrepancy

18a. Discrepancy Indication Space: ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:

18b. Alternate Facility (or Generator): U.S. EPA ID Number
Facility's Phone:

18c. Signature of Alternate Facility (or Generator): Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.
H141			

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a

Printed/Typed Name	Signature	Month	Day	Year
Dave Brown		8	5	21

Certificate of Disposition

Veolia ES Technical Solutions, L.L.C., West Carrollton Facility has a RCRA Part B Permit that allows the facility to commingle wastes, recycle, store and transfer waste for distillation, supplemental fuels for energy recovery, thermal treatment, and stabilization

Veolia ES Technical Solutions, L.L.C. certifies the waste which was received on Manifest Number: ZZ00348130 Date Received: 08/02/2021 will be/was managed in accordance with all applicable federal state and local laws and regulations.

Generator: Honeywell
Generator EPA ID: NYD051816262

DATE CERTIFICATE ISSUED: 09/02/2021

SIGNATURE: Brittany Blankenship

TITLE: OPERATIONS COORDINATOR

53066

VEOLIA ENVIRONMENTAL SERVICES

SHIPPING DOCUMENT	1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Shipping Document Tracking Number
	NYD051816262	1	(877) 410-0087	ZZ 00348130

5. Generator's Name and Mailing Address: MARK SWEITZER
HONEYWELL
3821 RIVER RD
TONAWANDA, NY 14150
Generator's Phone: 315 807-9453

Generator's Site Address (if different than mailing address): SAME

6. Transporter 1 Company Name: VEOLIA ES TECHNICAL SOLUTIONS — U.S. EPA ID Number: NJD080631369

7. Transporter 2 Company Name: FREEHOLD CARTAGE INC — U.S. EPA ID Number: NJD054126164

8. Designated Facility Name and Site Address: VEOLIA ES TECHNICAL SOLUTIONS, L.L.C., 4301 INFIRMARY ROAD, WEST CARROLLTON, OH 45449 — U.S. EPA ID Number: OHD093945293
Facility's Phone: 937 859-6101

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number and Packing Group (if any))	10. Containers No.	Type	11. Total Quantity	12. Unit Wt./Vol.	13. Codes
	1. NON RCRA AND DOT NON REGULATED LIQUID, (WATER)	2	DM	415	P	NONE L
	2					
	3					
	4					

14. Special Handling Instructions and Additional Information: ER Service Contracted by VESTS + Contract retained by generator confers agency authority on initial transporter to add or substitute additional transporters on generator's behalf. | 1) W1041663 A: SHHLFLIQ-NH

15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

Generator's/Offeror's Printed/Typed Name: Tayler Schweigel — Signature: [signature] — Month/Day/Year: 07 23 21

16. International Shipments: ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit: Transporter signature (for exports only): Date leaving U.S.:

17. Transporter Acknowledgment of Receipt of Shipment
Transporter 1 Printed/Typed Name: THOMAS GILBERT — Signature: [signature] — Month/Day/Year: 07 23 21
Transporter 2 Printed/Typed Name: Dave Brown — Signature: [signature] — Month/Day/Year: 7 30 21

18. Discrepancy
18a. Discrepancy Indication Space: ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Shipping Document Tracking Number:
18b. Alternate Facility (or Generator) — U.S. EPA ID Number
Facility's Phone:
18c. Signature of Alternate Facility (or Generator) — Month Day Year

19. Report Management Method Codes (i.e., codes for treatment, disposal, and recycling systems)
1. M.M. 2. 3. 4.

20. Designated Facility Owner or Operator: Certification of receipt of shipment except as noted in Item 18a
Printed/Typed Name: Brittany Blankenship — Signature: [signature] — Month/Day/Year: 8 2 21

DESIGNATED FACILITY TO GENERATOR

Appendix G Data Quality Evaluation Reports

Honeywell Tonawanda Plastics Plant
Strom Sewer Investigation - 2018
Data Quality Evaluation Report

Introduction

The objective of this data quality evaluation (DQE) report is to assess the data quality of analytical results for water samples collected at the Honeywell Tonawanda Plastics Plant site. Individual method requirements, guidelines from the the *Honeywell Syracuse Portfolio Site Investigations, Syracuse, New York, Quality Assurance Project Plan* (February 2011) (QAPP), the USEPA Region II Guidelines for Organic and Inorganic Data Review were used as the basis for this assessment.

This report is intended as a general data quality assessment designed to summarize data issues.

Analytical Data

This DQE report covers two water samples. Samples were collected between Febrauary 16 and July 20, 2018. A list of samples and collection dates is included in Attachment A at the end of this report. The sample results were reported under three sample delivery groups presented in Table 1.

Table 1 – Sample Delivery Groups
480-131426-1
480-134303-1
480-139309-1

The analyses were performed by TestAmerica Laboratories in Buffalo, New York (TAL-Buffalo). Samples were collected and delivered by courier to the laboratory. Selected samples were analyzed for one or more of the following analytes/methods presented in Table 2.

Table 2 – Analytical Parameters	
Parameter	**Method**
Volatile Organic Compounds	SW8260C
Semivolatile Organic Compounds	SW8270D
Metals	SW6010C
Mercury	SW7470A
Total Cyanide	SW9012B

The assessment of data included a review of: (1) the chain-of-custody (CoC) documentation; (2) holding-time compliance; (3) the required laboratory quality control (QC) samples; (4) flagging for method field blanks; (5) laboratory control sample/laboratory control sample duplicates (LCS/LCSD); (6) surrogate spike recoveries for organic analyses; and, (7) matrix spike sample (MS).

No field samples were reviewed in this event.

Data flags are assigned according to the USEPA Region II Guidelines. These flags, as well as the reason for each flag, are entered into the electronic database. Multiple flags are routinely applied to specific sample method/matrix/analyte combinations, but there will be only one final flag. A final flag is applied to the data and is the most conservative of the applied validation flags. The final flag also includes blank sample impacts.

The data flags are defined below

- U = The analyte was analyzed for, but was not detected above the level of the reported sample quantitation limit.
- J = The result is an estimated quantity. The associated numerical value is the approximate concentration of the analyte in the sample.
- J+ = The result is an estimated quantity, but the result may be biased high.
- J- = The result is an estimated quantity, but the result may be biased low.
- NJ = The analysis indicates the presence of an analyte that has been "tentatively identified" and the associated numetical value represents its approximate concentration.
- UJ = The analyte was analyzed for, but was not detected. The reported quantitation limit is approximate and may be inaccurate or imprecise.
- R = The data are unusable. The sample results are rejected due to serious deficiencies in meeting quality control criteria. The analyte may or may not be present in the sample. Findings

Findings

The overall summaries of the data validation findings are contained in the following sections below and summarized in Attachment B.

Holding Times

All holding-time criteria were met.

Calibration

Initial and continuing calibration data were not supplied in the data packages and were not part of the routine validation performed. The laboratory did not report any exceedances in the case narratives that would effects the samples.

Method Blanks

Method blanks were analyzed at the required frequency and were free of contamination with the following exceptions:

Zinc was detected below the reporting limit (RL) in a method blank for SW6010C. Two associated sample results were detected less than five times the blank concentration. Two results were qualified as not detected raised to the RL, and flagged "U".

Field Blanks

No filed blanks were collected with this event.

Matrix Spike Samples

The results of MS/MSD analyses provide information about the possible influence of the matrix on either accuracy or precision of the measurements. MS/MSD recoveries and the associated relative percent differences (RPD) met criteria with the following exception:

The recovery of cyanide was less than the lower control limit in the MS of sample 36 Intlet-02162018 for Method SW9012B, indicating the associated parent sample result is possibly biased low. One associated non-detected result in parent sample was qualified as estimated and flagged "UJ".

Field Duplicates

No field duplicates were collected for the event.

Surrogates

Surrogate spikes were analyzed in each sample as required. All acceptance criteria were met.

Internal Standards

Internal standard information was supplied in the data packages and was not part of the routine validation performed.

Laboratory Control Samples

LCS /LCSDs were analyzed as required and all accuracy and precision criteria were met.

Laboratory Duplicates

Laboratory duplicates were analyzed and all precision criteria were met.

Chain of Custody

All samples were received intact with correct CoC documentation.

Overall Assessment

The final activity in the data quality evaluation is an assessment of whether the data meets the data quality objectives (DQO). The goal of this assessment is to demonstrate that a sufficient number of representative samples were collected and the resulting analytical data can be used to support the decisionmaking process. The following summary highlights the data evaluation findings for the above defined events:

1. The data completeness was 100 percent for all method/analyte combinations.
2. Less than one percent percent of the SW6010C data were qualified due to low-level method blank contamination. The degree to which blank contamination was observed is within reasonable method expectations.

3. MS recovery exceedance was observed for Method SW9012B; one result was qualified as estimated.
4. The precision and accuracy of the data, as measured by laboratory QC indicators, suggest that the DQOs were met.

Attachment A – Samples Associated with DQE

Samplle Delivery Group	Field Sample ID	Sample Date	Sample Purpose
480-131426-1	36 Intlet-02162018	02/16/2018	REG
480-131426-1	36 Outlet-02162018	02/16/2018	REG
480-134303-1	36 INLET-04172018	04/17/2018	REG
480-134303-1	36 OUTLET-04172018	04/17/2018	REG
480-139309-1	36INLET_07202018	07/20/2018	REG
480-139309-1	36OUTLET_07202018	07/20/2018	REG

Notes:
REG = regular sample

Attachment B – Validation Findings

Method	Field Sample ID	Analyte	Final Result	Units	Final Flag	Reason Code
SW9012	36 Intlet-02162018	Cyanide	0.0050	mg/L	UJ	MSL
SW6010	36 INLET-04172018	Zinc	0.010	mg/L	U	BL1
SW6010	36INLET_07202018	Zinc	0.010	mg/L	U	BL1

Notes:

BL1 = Result qualified due to laboratory blank
MSL = Matrix spike recovery less than the lower control limit
mg/l = milligrams per liter

Honeywell Tonawanda Plastics Plant
Site Investigation - 2020
Data Quality Evaluation Report

Introduction

The objective of this data quality evaluation (DQE) report is to assess the data quality of analytical results for soil and water samples collected at the Honeywell Tonawanda Plastics Plant site. Individual method requirements, guidelines from the *Honeywell Syracuse Portfolio Site Investigations, Syracuse, New York, Quality Assurance Project Plan* (February 2011) (QAPP), the USEPA Region II Guidelines for Organic and Inorganic Data Review were used as the basis for this assessment.

This report is intended as a general data quality assessment designed to summarize data issues.

Analytical Data

This DQE report covers one groundwater sample, one field duplicate (FD) and twenty-four sediment samples. Samples were collected between November 9 and December 10, 2020. A list of samples and collection dates is included in Attachment A at the end of this report. The sample results were reported under four sample delivery groups presented in Table 1.

Table 1 – Sample Delivery Groups
480-177875-1
480-177968-1
480-178044-1
480-179236-1

The analyses were performed by TestAmerica Laboratories in Buffalo, New York (TAL-Buffalo). Samples were collected and delivered by courier to the laboratory. Selected samples were analyzed for one or more of the following analytes/methods presented in Table 2.

Table 2 – Analytical Parameters	
Parameter	**Method**
Volatile Organic Compounds	SW8260C
Semi volatile Organic Compounds	SW8270D
Chromium	SW6010C
Total Cyanide	SW9012B

The assessment of data included a review of: (1) the chain-of-custody (CoC) documentation; (2) holding-time compliance; (3) the required laboratory quality control (QC) samples; (4) flagging for method field blanks; (5) laboratory control sample/laboratory control sample duplicates (LCS/LCSD); (6) surrogate spike recoveries for organic analyses; and, (7) matrix spike sample (MS).

No field samples were reviewed in this event.

Data flags are assigned according to the USEPA Region II Guidelines. These flags, as well as the reason for each flag, are entered into the electronic database. Multiple flags are routinely applied to specific sample method/matrix/analyte combinations, but there will be only one final flag. A final flag is applied to the data and is the most conservative of the applied validation flags. The final flag also includes blank sample impacts.

The data flags are defined below

- U = The analyte was analyzed for, but was not detected above the level of the reported sample quantitation limit.
- J = The result is an estimated quantity. The associated numerical value is the approximate concentration of the analyte in the sample.
- J+ = The result is an estimated quantity, but the result may be biased high.
- J- = The result is an estimated quantity, but the result may be biased low.
- NJ = The analysis indicates the presence of an analyte that has been "tentatively identified" and the associated numerical value represents its approximate concentration.
- UJ = The analyte was analyzed for, but was not detected. The reported quantitation limit is approximate and may be inaccurate or imprecise.
- R = The data are unusable. The sample results are rejected due to serious deficiencies in meeting quality control criteria. The analyte may or may not be present in the sample. Findings

Findings

The overall summaries of the data validation findings are contained in the following sections below and summarized in Attachment B.

Holding Times

All holding-time criteria were met.

Calibration

Initial and continuing calibration data were not supplied in the data packages and were not part of the routine validation performed. The laboratory did not report any exceedances in the case narratives that would effects the samples.

Method Blanks

Method blanks were analyzed at the required frequency and were free of contamination.

Field Blanks

No filed blanks were collected with this event.

Matrix Spike Samples

The results of MS/MSD analyses provide information about the possible influence of the matrix on either accuracy or precision of the measurements. MS/MSD recoveries and the associated relative percent differences (RPD) met criteria with the following exception:

The recovery of cyanide was less than the lower control limit in the MS and/or MSD of samples B-17-11102020-0.7-1.2, B-5-11112020-0.6-1.1, MW-14_12102020 and MW-140_12102020 for Method SW9012B, indicating the associated parent sample result are possibly biased low. One associated detected result in the parent sample was qualified as estimated and flagged "J-"; three associated non-detected results in the parent sample were qualified as estimated and flagged "UJ".

Field Duplicates

No field duplicates were collected for the event.

Surrogates

Surrogate spikes were analyzed in each sample as required. All acceptance criteria were met with the following exceptions:

Surrogates recoveries of 1,2-dichloroethane-d4, dibromofluoromethane and toluene-d8 were above the upper control limit and 4-bromofluorobenzene was less than the lower control limit in sample B-4-11112020-0.8-1.3 for Method SW8260C, indicating associate sample results are possibly biased. Two associated detected results were qualified as estimated and flagged "J"; 46 associated non-detected results were qualified as estimated and flagged "UJ".

Internal Standards

Internal standard information was supplied in the data packages and was not part of the routine validation performed.

Laboratory Control Samples

LCS /LCSDs were analyzed as required and all accuracy and precision criteria were met with following exception:

The recovery of cyanide, total was less the lower control limit in a LCS for Method SW9012B, indicating the associated sample results are possibly biased low. One associated detected result was qualified as estimated and flagged "J-"; ten associated non-detected results were qualified as estimated and flagged "UJ".

Laboratory Duplicates

Laboratory duplicates were analyzed and all precision criteria were met.

Chain of Custody

All samples were received intact with correct CoC documentation.

Overall Assessment

The final activity in the data quality evaluation is an assessment of whether the data meets the data quality objectives (DQO). The goal of this assessment is to demonstrate that a sufficient number of representative samples were collected and the resulting analytical data can be used to

support the decisionmaking process. The following summary highlights the data evaluation findings for the above defined events:

1. The data completeness was 100 percent for all method/analyte combinations.
2. No data were qualified because of low-level blank contamination
3. MS/MSD recovery exceedances were observed for Method SW9012B; four results were qualified as estimated.
4. An LCS recovery exceedance was observed for Method SW9012B; 11 results were qualified as estimated.
5. Surrogate spike recovery exceedances was observed for Method SW8260C; 48 results were qualified as estimated
6. The precision and accuracy of the data, as measured by laboratory QC indicators, suggest that the DQOs were met.

Attachment A – Samples Associated with DQE

Sample Delivery Group	Field Sample ID	Sample Date	Sample Purpose	Sample Matrix
480-178044-1	B-1-11112020-1.5-2.0	11/11/2020	REG	SOIL
480-177968-1	B-12-11102020-1.0-1.5	11/10/2020	REG	SOIL
480-177968-1	B-14-11102020-0.3-0.8	11/10/2020	REG	SOIL
480-177968-1	B-14-11102020-4.5-5.0	11/10/2020	REG	SOIL
480-177968-1	B-15-11102020-1.3-1.8	11/10/2020	REG	SOIL
480-177968-1	B-16-11102020-0.9-1.4	11/10/2020	REG	SOIL
480-177968-1	B-16-11102020-2.5-3.0	11/10/2020	REG	SOIL
480-177968-1	B-17-11102020-0.7-1.2	11/10/2020	REG	SOIL
480-177968-1	B-17-11102020-1.5-2.0	11/10/2020	REG	SOIL
480-177875-1	B-18-11092020-0.9-1.4	11/9/2020	REG	SOIL
480-177875-1	B-18-11092020-4.5-5.0	11/9/2020	REG	SOIL
480-177875-1	B-19-11092020-4.5-5.0	11/9/2020	REG	SOIL
480-177875-1	B-20-11092020-6.1-6.6	11/9/2020	REG	SOIL
480-177968-1	B-29-11102020-1.8-2.3	11/10/2020	REG	SOIL
480-177968-1	B-30-11102020-0.5-1.0	11/10/2020	REG	SOIL
480-177968-1	B-30-11102020-3.5-4.0	11/10/2020	REG	SOIL
480-178044-1	B-4-11112020-0.8-1.3	11/11/2020	REG	SOIL
480-178044-1	B-4-11112020-1.5-2.0	11/11/2020	REG	SOIL
480-178044-1	B-5-11112020-0.6-1.1	11/11/2020	REG	SOIL
480-178044-1	B-7-11112020-1.7-2.2	11/11/2020	REG	SOIL
480-178044-1	B-8-11112020-1.9-2.4	11/11/2020	REG	SOIL
480-178044-1	B-9-11112020-0.5-1.0	11/11/2020	REG	SOIL
480-178044-1	B-9-11112020-20-25	11/11/2020	REG	SOIL
480-178044-1	B-9-11112020-9.5-10.0	11/11/2020	REG	SOIL
480-179236-1	MW-14_12102020	12/10/2020	REG	GW
480-179236-1	MW-140_12102020	12/10/2020	FD	GW

Notes:
REG = regular sample
FD = field duplicate

Attachment B – Validation Findings

Method	Field Sample ID	Analyte	Final Result	Units	Lab qual	Final Flag	Reason Code
SW9012	B-12-11102020-1.0-1.5	Cyanide, Total	1.2	mg/kg	U*	UJ	LCSL
SW9012	B-14-11102020-0.3-0.8	Cyanide, Total	1.2	mg/kg	U*	UJ	LCSL
SW9012	B-14-11102020-4.5-5.0	Cyanide, Total	1.1	mg/kg	U*	UJ	LCSL
SW9012	B-15-11102020-1.3-1.8	Cyanide, Total	1.0	mg/kg	U*	UJ	LCSL
SW9012	B-16-11102020-0.9-1.4	Cyanide, Total	1.0	mg/kg	U*	UJ	LCSL
SW9012	B-16-11102020-2.5-3.0	Cyanide, Total	1.1	mg/kg	U*	UJ	LCSL
SW9012	B-17-11102020-1.5-2.0	Cyanide, Total	1.2	mg/kg	U*	UJ	LCSL
SW9012	B-29-11102020-1.8-2.3	Cyanide, Total	1.3	mg/kg	U*	UJ	LCSL
SW9012	B-30-11102020-0.5-1.0	Cyanide, Total	3.7	mg/kg	*	J-	LCSL
SW9012	B-30-11102020-3.5-4.0	Cyanide, Total	1.1	mg/kg	U*	UJ	LCSL
SW9012	B-17-11102020-0.7-1.2	Cyanide, Total	1.1	mg/kg	UF1*	UJ	LCSL,MSL
SW9012	MW-14_12102020	Cyanide, Total	0.010	mg/L	UF1	UJ	MSDL
SW9012	B-5-11112020-0.6-1.1	Cyanide, Total	1.1	mg/kg	UF1*	UJ	MSL
SW9012	MW-140_12102020	Cyanide, Total	0.0050	mg/L	JF1	J-	MSL
SW8260	B-4-11112020-0.8-1.3	Ethylbenzene	6.2	ug/kg	U*3	UJ	SSL
SW8260	B-4-11112020-0.8-1.3	Styrene	6.2	ug/kg	U*3	UJ	SSL
SW8260	B-4-11112020-0.8-1.3	cis-1,3-Dichloropropene	6.2	ug/kg	U	UJ	SSL
SW8260	B-4-11112020-0.8-1.3	trans-1,3-Dichloropropene	6.2	ug/kg	U*3	UJ	SSL
SW8260	B-4-11112020-0.8-1.3	1,4-Dichlorobenzene	6.2	ug/kg	U*3	UJ	SSL
SW8260	B-4-11112020-0.8-1.3	1,2-Dibromoethane	6.2	ug/kg	U*3	UJ	SSL
SW8260	B-4-11112020-0.8-1.3	1,2-Dichloroethane	6.2	ug/kg	U	UJ	SSL
SW8260	B-4-11112020-0.8-1.3	4-Methyl-2-pentanone (MIBK	31	ug/kg	U*3	UJ	SSL
SW8260	B-4-11112020-0.8-1.3	Methylcyclohexane	6.2	ug/kg	U	UJ	SSL
SW8260	B-4-11112020-0.8-1.3	Chlorobenzene	6.2	ug/kg	U*3	UJ	SSL
SW8260	B-4-11112020-0.8-1.3	Cyclohexane	6.2	ug/kg	U	UJ	SSL
SW8260	B-4-11112020-0.8-1.3	1,2,4-Trichlorobenzene	6.2	ug/kg	U*3	UJ	SSL
SW8260	B-4-11112020-0.8-1.3	Dibromochloromethane	6.2	ug/kg	U*3	UJ	SSL
SW8260	B-4-11112020-0.8-1.3	Tetrachloroethene	6.2	ug/kg	U*3	UJ	SSL
SW8260	B-4-11112020-0.8-1.3	Xylenes, Total	12	ug/kg	U	UJ	SSL
SW8260	B-4-11112020-0.8-1.3	cis-1,2-Dichloroethene	6.2	ug/kg	U	UJ	SSL
SW8260	B-4-11112020-0.8-1.3	trans-1,2-Dichloroethene	6.2	ug/kg	U	UJ	SSL
SW8260	B-4-11112020-0.8-1.3	Methyl tert-butyl ether	6.2	ug/kg	U	UJ	SSL
SW8260	B-4-11112020-0.8-1.3	1,3-Dichlorobenzene	6.2	ug/kg	U*3	UJ	SSL
SW8260	B-4-11112020-0.8-1.3	Carbon tetrachloride	6.2	ug/kg	U	UJ	SSL
SW8260	B-4-11112020-0.8-1.3	2-Hexanone	31	ug/kg	U*3	UJ	SSL
SW8260	B-4-11112020-0.8-1.3	Acetone	31	ug/kg	U	UJ	SSL

Method	Field Sample ID	Analyte	Final Result	Units	Lab qual	Final Flag	Reason Code
SW8260	B-4-11112020-0.8-1.3	Chloroform	6.2	ug/kg	U	UJ	SSL
SW8260	B-4-11112020-0.8-1.3	1,1,1-Trichloroethane	6.2	ug/kg	U	UJ	SSL
SW8260	B-4-11112020-0.8-1.3	Bromomethane	6.2	ug/kg	U	UJ	SSL
SW8260	B-4-11112020-0.8-1.3	Chloromethane	6.2	ug/kg	U	UJ	SSL
SW8260	B-4-11112020-0.8-1.3	Chloroethane	6.2	ug/kg	U	UJ	SSL
SW8260	B-4-11112020-0.8-1.3	Vinyl chloride	6.2	ug/kg	U	UJ	SSL
SW8260	B-4-11112020-0.8-1.3	Methylene Chloride	6.2	ug/kg	U	UJ	SSL
SW8260	B-4-11112020-0.8-1.3	Carbon disulfide	6.2	ug/kg	U	UJ	SSL
SW8260	B-4-11112020-0.8-1.3	Bromoform	6.2	ug/kg	U*3	UJ	SSL
SW8260	B-4-11112020-0.8-1.3	Bromodichloromethane	6.2	ug/kg	U	UJ	SSL
SW8260	B-4-11112020-0.8-1.3	1,1-Dichloroethane	6.2	ug/kg	U	UJ	SSL
SW8260	B-4-11112020-0.8-1.3	1,1-Dichloroethene	6.2	ug/kg	U	UJ	SSL
SW8260	B-4-11112020-0.8-1.3	Trichlorofluoromethane	6.2	ug/kg	U	UJ	SSL
SW8260	B-4-11112020-0.8-1.3	Dichlorodifluoromethane	6.2	ug/kg	U	UJ	SSL
SW8260	B-4-11112020-0.8-1.3	1,1,2-Trichloro-1,2,2-trifluoroethane	6.2	ug/kg	U	UJ	SSL
SW8260	B-4-11112020-0.8-1.3	1,2-Dichloropropane	6.2	ug/kg	U	UJ	SSL
SW8260	B-4-11112020-0.8-1.3	2-Butanone (MEK)	31	ug/kg	U	UJ	SSL
SW8260	B-4-11112020-0.8-1.3	1,1,2-Trichloroethane	6.2	ug/kg	U*3	UJ	SSL
SW8260	B-4-11112020-0.8-1.3	Trichloroethene	6.2	ug/kg	U	UJ	SSL
SW8260	B-4-11112020-0.8-1.3	Methyl acetate	31	ug/kg	U	UJ	SSL
SW8260	B-4-11112020-0.8-1.3	1,1,2,2-Tetrachloroethane	6.2	ug/kg	U*3	UJ	SSL
SW8260	B-4-11112020-0.8-1.3	1,2-Dichlorobenzene	6.2	ug/kg	U*3	UJ	SSL
SW8260	B-4-11112020-0.8-1.3	1,2-Dibromo-3-Chloropropane	6.2	ug/kg	U*3	UJ	SSL
SW8260	B-4-11112020-0.8-1.3	Isopropylbenzene	6.2	ug/kg	U*3	UJ	SSL
SW8260	B-4-11112020-0.8-1.3	Toluene	1.2	ug/kg	J*3	J	SSL,SSH
SW8260	B-4-11112020-0.8-1.3	Benzene	0.54	ug/kg	J	J	SSL,SSH

Notes:

LCSL = Laboratory control sample recovery less than the lower limit
MSL = Matrix spike recovery less than the lower control limit
MSDL = Matrix spike duplicate recovery less than the lower limit
SSL = Surrogate recovery less than lower control limit
SSH = Surrogate recovery greater than upper control limit
mg/kg = milligrams per kilogram
ug/kg = micrograms per kilogram

Appendix H Laboratory Data Reports and Complete Data Tables

APPENDIX G
COMPLETE SOIL ANALYTICAL RESULTS

						Location ID	B-1	B-4	B-4	B-5	B-7	B-8	B-9	B-9	B-9	B-12	B-14	B-14	B-15
						Field Sample ID	B-1-11112020-1.5-2.0	B-4-11112020-0.8-1.3	B-4-11112020-1.5-2.0	B-5-11112020-0.6-1.1	B-7-11112020-1.7-2.2	B-8-11112020-1.9-2.4	B-9-11112020-0.5-1.0	B-9-11112020-20-25	B-9-11112020-9.5-10.0	B-12-11102020-1.0-1.5	B-14-11102020-0.3-0.8	B-14-11102020-4.5-5.0	B-15-11102020-1.3-1.8
						Start Depth (FT)	1.5	0.8	1.5	0.6	1.7	1.9	0.5	2	9.5	1	0.3	4.5	1.3
						End Depth (FT)	2	1.3	2	1.1	2.2	2.4	1	2.5	10	1.5	0.8	5	1.8
						Sample Date	11/11/2020	11/11/2020	11/11/2020	11/11/2020	11/11/2020	11/11/2020	11/11/2020	11/11/2020	11/11/2020	11/10/2020	11/10/2020	11/10/2020	11/10/2020
						SDG	480-178044-1	480-178044-1	480-178044-1	480-178044-1	480-178044-1	480-178044-1	480-178044-1	480-178044-1	480-178044-1	480-177968-1	480-177968-1	480-177968-1	480-177968-1
						Lab Sample ID	480-178044-1	480-178044-2	480-178044-3	480-178044-4	480-178044-5	480-178044-6	480-178044-7	480-178044-8	480-178044-9	480-177968-11	480-177968-4	480-177968-5	480-177968-3
						Sample Type Code	REG	REG	REG	REG	REG	REG	REG	REG	REG	REG	REG	REG	REG
						Matrix	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
Method	CAS_RN	Chemical Name	UNRESTRICTED USE SCO	COMMERCIAL SCO	INDUSTRIAL SCO	Unit													
SW8260	71-55-6	1,1,1-Trichloroethane	680	500000	1000000	ug/kg	3.9 U	6.2 UJ	3.9 U	4 U	4.1 U	5 U	2400 U	2400 U	2500 U	4.2 U	10000 U	49 U	4.5 U
SW8260	79-34-5	1,1,2,2-Tetrachloroethane				ug/kg	3.9 U	6.2 UJ	3.9 U	4 U	4.1 U	5 U	2400 U	2400 U	2500 U	4.2 U	10000 U	49 U	4.5 U
SW8260	76-13-1	1,1,2-Trichloro-1,2,2-Trifluoroethane				ug/kg	3.9 U	6.2 UJ	3.9 U	4 U	4.1 U	5 U	2400 U	2400 U	2500 U	4.2 U	10000 U	49 U	4.5 U
SW8260	79-00-5	1,1,2-Trichloroethane				ug/kg	3.9 U	6.2 UJ	3.9 U	4 U	4.1 U	5 U	2400 U	2400 U	2500 U	4.2 U	10000 U	49 U	4.5 U
SW8260	75-34-3	1,1-Dichloroethane	270	240000	480000	ug/kg	3.9 U	6.2 UJ	3.9 U	4 U	4.1 U	5 U	2400 U	2400 U	2500 U	4.2 U	10000 U	49 U	4.5 U
SW8260	75-35-4	1,1-Dichloroethene	330	500000	1000000	ug/kg	3.9 U	6.2 UJ	3.9 U	4 U	4.1 U	5 U	2400 U	2400 U	2500 U	4.2 U	10000 U	49 U	4.5 U
SW8260	120-82-1	1,2,4-Trichlorobenzene				ug/kg	3.9 U	6.2 UJ	3.9 U	4 U	4.1 U	5 U	2400 U	2400 U	2500 U	4.2 U	10000 U	49 U	4.5 U
SW8260	96-12-8	1,2-Dibromo-3-Chloropropane				ug/kg	3.9 U	6.2 UJ	3.9 U	4 U	4.1 U	5 U	2400 U	2400 U	2500 U	4.2 U	10000 U	49 U	4.5 U
SW8260	106-93-4	1,2-Dibromoethane				ug/kg	3.9 U	6.2 UJ	3.9 U	4 U	4.1 U	5 U	2400 U	2400 U	2500 U	4.2 U	10000 U	49 U	4.5 U
SW8260	95-50-1	1,2-Dichlorobenzene	1100	500000	1000000	ug/kg	3.9 U	6.2 UJ	3.9 U	4 U	4.1 U	5 U	2400 U	2400 U	2500 U	4.2 U	10000 U	49 U	4.5 U
SW8260	107-06-2	1,2-Dichloroethane	20	30000	60000	ug/kg	3.9 U	6.2 UJ	3.9 U	4 U	4.1 U	5 U	2400 U	2400 U	2500 U	4.2 U	10000 U	49 U	4.5 U
SW8260	78-87-5	1,2-Dichloropropane				ug/kg	3.9 U	6.2 UJ	3.9 U	4 U	4.1 U	5 U	2400 U	2400 U	2500 U	4.2 U	10000 U	49 U	4.5 U
SW8260	541-73-1	1,3-Dichlorobenzene	2400	280000	560000	ug/kg	3.9 U	6.2 UJ	3.9 U	4 U	4.1 U	5 U	2400 U	2400 U	2500 U	4.2 U	10000 U	49 U	4.5 U
SW8260	106-46-7	1,4-Dichlorobenzene	1800	130000	250000	ug/kg	3.9 U	6.2 UJ	3.9 U	4 U	4.1 U	5 U	2400 U	2400 U	2500 U	4.2 U	10000 U	49 U	4.5 U
SW8260	78-93-3	2-Butanone	120	500000	1000000	ug/kg	20 U	31 UJ	19 U	20 U	21 U	25 U	12000 U	12000 U	13000 U	21 U	51000 U	250 U	22 U
SW8260	591-78-6	2-Hexanone				ug/kg	20 U	31 UJ	19 U	20 U	21 U	25 U	12000 U	12000 U	13000 U	21 U	51000 U	250 U	22 U
SW8260	108-10-1	4-Methyl-2-Pentanone				ug/kg	20 U	31 UJ	19 U	20 U	21 U	25 U	12000 U	12000 U	13000 U	21 U	51000 U	250 U	22 U
SW8260	67-64-1	Acetone	50	500000	1000000	ug/kg	20 U	31 UJ	11 J	20 U	9.6 J	25 U	12000 U	12000 U	13000 U	21 U	51000 U	250 U	26
SW8260	71-43-2	Benzene	**60**	**44000**	89000	ug/kg	3.9 U	0.54 J	3.9 U	4 U	2 J	5 U	**17000**	**66000**	**86000**	4.2 U	**8700** J	49 U	4.5 U
SW8260	75-27-4	Bromodichloromethane				ug/kg	3.9 U	6.2 UJ	3.9 U	4 U	4.1 U	5 U	2400 U	2400 U	2500 U	4.2 U	10000 U	49 U	4.5 U
SW8260	75-25-2	Bromoform				ug/kg	3.9 U	6.2 UJ	3.9 U	4 U	4.1 U	5 U	2400 U	2400 U	2500 U	4.2 U	10000 U	49 U	4.5 U
SW8260	74-83-9	Bromomethane				ug/kg	3.9 U	6.2 UJ	3.9 U	4 U	4.1 U	5 U	2400 U	2400 U	2500 U	4.2 U	10000 U	49 U	4.5 U
SW8260	75-15-0	Carbon Disulfide				ug/kg	3.9 U	6.2 UJ	3.9 U	4 U	4.1 U	5 U	2400 U	2400 U	2500 U	4.2 U	10000 U	49 U	4.5 U
SW8260	56-23-5	Carbon Tetrachloride	760	22000	44000	ug/kg	3.9 U	6.2 UJ	3.9 U	4 U	4.1 U	5 U	2400 U	2400 U	2500 U	4.2 U	10000 U	49 U	4.5 U
SW8260	108-90-7	Chlorobenzene	1100	500000	1000000	ug/kg	3.9 U	6.2 UJ	3.9 U	4 U	4.1 U	5 U	2400 U	2400 U	2500 U	4.2 U	10000 U	49 U	4.5 U
SW8260	75-00-3	Chloroethane				ug/kg	3.9 U	6.2 UJ	3.9 U	4 U	4.1 U	5 U	2400 U	2400 U	2500 U	4.2 U	10000 U	49 U	4.5 U
SW8260	67-66-3	Chloroform	370	350000	700000	ug/kg	3.9 U	6.2 UJ	3.9 U	4 U	4.1 U	5 U	2400 U	2400 U	2500 U	4.2 U	10000 U	49 U	4.5 U
SW8260	74-87-3	Chloromethane				ug/kg	3.9 U	6.2 UJ	3.9 U	4 U	4.1 U	5 U	2400 U	2400 U	2500 U	4.2 U	10000 U	49 U	4.5 U
SW8260	156-59-2	cis-1,2-Dichloroethene	250	500000	1000000	ug/kg	3.9 U	6.2 UJ	3.9 U	4 U	4.1 U	5 U	2400 U	2400 U	2500 U	4.2 U	10000 U	49 U	4.5 U
SW8260	10061-01-5	cis-1,3-Dichloropropene				ug/kg	3.9 U	6.2 UJ	3.9 U	4 U	4.1 U	5 U	2400 U	2400 U	2500 U	4.2 U	10000 U	49 U	4.5 U
SW8260	110-82-7	Cyclohexane				ug/kg	3.9 U	6.2 UJ	3.9 U	4 U	4.1 U	5 U	2400 U	2400 U	2500 U	4.2 U	10000 U	49 U	4.5 U
SW8260	124-48-1	Dibromochloromethane				ug/kg	3.9 U	6.2 UJ	3.9 U	4 U	4.1 U	5 U	2400 U	2400 U	2500 U	4.2 U	10000 U	49 U	4.5 U
SW8260	75-71-8	Dichlorodifluoromethane				ug/kg	3.9 U	6.2 UJ	3.9 U	4 U	4.1 U	5 U	2400 U	2400 U	2500 U	4.2 U	10000 U	49 U	4.5 U
SW8260	100-41-4	Ethylbenzene	**1000**	390000	780000	ug/kg	3.9 U	6.2 UJ	3.9 U	4 U	4.1 U	5 U	**17000**	**1500** J	**1300** J	4.2 U	**7100** J	49 U	4.5 U
SW8260	98-82-8	Isopropylbenzene				ug/kg	3.9 U	6.2 UJ	3.9 U	4 U	4.1 U	5 U	2400 U	2400 U	2500 U	4.2 U	10000 U	49 U	4.5 U
SW8260	79-20-9	Methyl Acetate				ug/kg	20 U	31 UJ	19 U	20 U	21 U	25 U	12000 U	12000 U	13000 U	21 U	51000 U	250 U	22 U
SW8260	1634-04-4	Methyl Tert-Butyl Ether	930	500000	1000000	ug/kg	3.9 U	6.2 UJ	3.9 U	4 U	4.1 U	5 U	2400 U	2400 U	2500 U	4.2 U	10000 U	49 U	4.5 U
SW8260	108-87-2	Methylcyclohexane				ug/kg	3.9 U	6.2 UJ	3.9 U	4 U	4.1 U	5 U	2400 U	2400 U	2500 U	4.2 U	10000 U	49 U	4.5 U
SW8260	75-09-2	Methylene Chloride	50	500000	1000000	ug/kg	3.9 U	6.2 UJ	3.9 U	4 U	4.1 U	5 U	2400 U	2400 U	2500 U	4.2 U	10000 U	49 U	4.5 U
SW8260	100-42-5	Styrene				ug/kg	3.9 U	6.2 UJ	3.9 U	4 U	4.1 U	5 U	2400 U	2400 U	2500 U	4.2 U	10000 U	49 U	4.5 U
SW8260	127-18-4	Tetrachloroethene	1300	150000	300000	ug/kg	3.9 U	6.2 UJ	3.9 U	4 U	4.1 U	5 U	2400 U	2400 U	2500 U	4.2 U	10000 U	49 U	4.5 U
SW8260	108-88-3	Toluene	**700**	500000	1000000	ug/kg	3.9 U	1.2 J	3.9 U	4 U	4.1 U	5 U	**14000**	**83000**	**54000**	4.2 U	**19000**	49 U	4.5 U
SW8260	1330-20-7	Total Xylenes	**260**	500000	1000000	ug/kg	7.8 U	12 UJ	7.8 U	7.9 U	8.3 U	10 U	**120000**	**9200**	**8100**	8.4 U	**37000**	98 U	9 U
SW8260	156-60-5	trans-1,2-Dichloroethene	190	500000	1000000	ug/kg	3.9 U	6.2 UJ	3.9 U	4 U	4.1 U	5 U	2400 U	2400 U	2500 U	4.2 U	10000 U	49 U	4.5 U
SW8260	10061-02-6	trans-1,3-Dichloropropene				ug/kg	3.9 U	6.2 UJ	3.9 U	4 U	4.1 U	5 U	2400 U	2400 U	2500 U	4.2 U	10000 U	49 U	4.5 U
SW8260	79-01-6	Trichloroethene	470	200000	400000	ug/kg	3.9 U	6.2 UJ	3.9 U	4 U	4.1 U	5 U	2400 U	2400 U	2500 U	4.2 U	10000 U	49 U	4.5 U
SW8260	75-69-4	Trichlorofluoromethane				ug/kg	3.9 U	6.2 UJ	3.9 U	4 U	4.1 U	5 U	2400 U	2400 U	2500 U	4.2 U	10000 U	49 U	4.5 U
SW8260	75-01-4	Vinyl Chloride	20	13000	27000	ug/kg	3.9 U	6.2 UJ	3.9 U	4 U	4.1 U	5 U	2400 U	2400 U	2500 U	4.2 U	10000 U	49 U	4.5 U
SW8270	83-32-9	Acenaphthene	**20000**	**500000**	1000000	ug/kg	200 U	180 U	200 U	200 U	200 U	190 U	1100 U	190 U	200 U	210 U	**790000**	710 J	200 U
SW8270	208-96-8	Acenaphthylene	**100000**	**500000**	**1000000**	ug/kg	200 U	180 U	200 U	200 U	200 U	190 U	1100 U	190 U	200 U	35 J	**820000**	590 J	200 U
SW8270	120-12-7	Anthracene	**100000**	**500000**	**1000000**	ug/kg	200 U	180 U	200 U	200 U	200 U	190 U	1100 U	190 U	200 U	210 U	**1500000**	1100	200 U
SW8270	56-55-3	Benzo(A)Anthracene	**1000**	**5600**	**11000**	ug/kg	21 J	26 J	200 U	200 U	200 U	190 U	120 J	190 U	31 J	210 U	**2000000**	**1600**	200 U
SW8270	50-32-8	Benzo(A)Pyrene	**1000**	**1000**	**1100**	ug/kg	200 U	180 U	200 U	200 U	200 U	190 U	1100 U	190 U	34 J	210 U	**2000000**	**1700**	200 U
SW8270	205-99-2	Benzo(B)Fluoranthene	**1000**	**5600**	**11000**	ug/kg	200 U	180 U	200 U	200 U	200 U	190 U	1100 U	190 U	46 J	210 U	**1700000**	**1300**	200 U
SW8270	191-24-2	Benzo(G,H,I)perylene	**100000**	**500000**	**1000000**	ug/kg	200 U	180 U	200 U	200 U	200 U	190 U	1100 U	190 U	200 U	210 U	**930000**	820 J	200 U
SW8270	207-08-9	Benzo(K)Fluoranthene	**800**	**56000**	**110000**	ug/kg	200 U	180 U	200 U	200 U	200 U	190 U	1100 U	190 U	26 J	210 U	**780000**	600 J	200 U
SW8270	218-01-9	Chrysene	**1000**	**56000**	**110000**	ug/kg	200 U	180 U	200 U	200 U	200 U	190 U	1100 U	190 U	200 U	210 U	**2100000**	**1800**	200 U
SW8270	53-70-3	Dibenzo(a,h)Anthracene	**330**	**560**	**1100**	ug/kg	200 U	180 U	200 U	200 U	200 U	190 U	1100 U	190 U	200 U	210 U	**300000**	230 J	200 U
SW8270	206-44-0	Fluoranthene	**100000**	**500000**	**1000000**	ug/kg	23 J	58 J	200 U	200 U	200 U	190 U	170 J	190 U	46 J	210 U	**4300000**	3400	55 J
SW8270	86-73-7	Fluorene	**30000**	**500000**	**1000000**	ug/kg	200 U	180 U	200 U	200 U	200 U	190 U	1100 U	190 U	200 U	26 J	**2700000**	2300	200 U
SW8270	193-39-5	Indeno(1,2,3-Cd)Pyrene	**500**	**5600**	**11000**	ug/kg	200 U	180 U	200 U	200 U	200 U	190 U	1100 U	190 U	200 U	210 U	**850000**	**610** J	200 U
SW8270	91-20-3	Naphthalene	**12000**	**500000**	**1000000**	ug/kg	200 U	180	200 U	200 U	200 U	190 U	8700	600	950	1000	**8800000**	4900	60 J
SW8270	85-01-8	Phenanthrene	**100000**	**500000**	**1000000**	ug/kg	200 U	91 J	200 U	200 U	200 U	190 U	1100 U	190 U	200 U	210 U	**9100000**	8500	35 J
SW8270	129-00-0	Pyrene	**100000**	**500000**	**1000000**	ug/kg	200 U	41 J	200 U	200 U	200 U	190 U	1100 U	190 U	32 J	210 U	**4200000**	4200	27 J
SW6010	7440-47-3	Chromium	**30**	1500	6800	mg/kg	22	6.7	24.2	26.6	23.7	22.8	20.3	22	23.7	28.8	11.4	14.7	21.3
SW9012	57-12-5	Cyanide, Total	27	27	10000	mg/kg	1.2 U	1 U	1.1 U	1.1 UJ	1.1 U	1.1 U	0.69 J	0.99 U	1.1 U	1.2 UJ	1.2 UJ	1.1 UJ	1 UJ

APPENDIX G
COMPLETE SOIL ANALYTICAL RESULTS

Method	CAS_RN	Chemical Name	UNRESTRICTED USE SCO	COMMERCIAL SCO	INDUSTRIAL SCO	Unit	B-16	B-16	B-17	B-17	B-18	B-18	B-19	B-20	B-29	B-30	B-30
						Field Sample ID	B-16-11102020-0.9-1.4	B-16-11102020-2.5-3.0	B-17-11102020-0.7-1.2	B-17-11102020-1.5-2.0	B-18-11092020-0.9-1.4	B-18-11092020-4.5-5.0	B-19-11092020-4.5-5.0	B-20-11092020-6.1-6.6	B-29-11102020-1.8-2.3	B-30-11102020-0.5-1.0	B-30-11102020-3.5-4.0
						Start Depth (FT)	0.9	2.5	0.7	1.5	0.9	4.5	4.5	6.1	1.8	0.5	3.5
						End Depth (FT)	1.4	3	1.2	2	1.4	5	5	6.6	2.3	1	4
						Sample Date	11/10/2020	11/10/2020	11/10/2020	11/10/2020	11/9/2020	11/9/2020	11/9/2020	11/9/2020	11/10/2020	11/10/2020	11/10/2020
						SDG	480-177968-1	480-177968-1	480-177968-1	480-177968-1	480-177875-1	480-177875-1	480-177875-1	480-177875-1	480-177968-1	480-177968-1	480-177968-1
						Lab Sample ID	480-177968-6	480-177968-7	480-177968-1	480-177968-2	480-177875-2	480-177875-1	480-177875-4	480-177875-3	480-177968-8	480-177968-9	480-177968-10
						Sample Type Code	REG	REG	REG	REG	REG	REG	REG	REG	REG	REG	REG
						Matrix	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
SW8260	71-55-6	1,1,1-Trichloroethane	680	500000	1000000	ug/kg	5800 U	230 U	4.6 U	4.2 U	4400 U	4.4 U	4.4 U	4.7 U	5.3 U	14000 U	4.8 U
SW8260	79-34-5	1,1,2,2-Tetrachloroethane				ug/kg	5800 U	230 U	4.6 U	4.2 U	4400 U	4.4 U	4.4 U	4.7 U	5.3 U	14000 U	4.8 U
SW8260	76-13-1	1,1,2-Trichloro-1,2,2-Trifluoroethane				ug/kg	5800 U	230 U	4.6 U	4.2 U	4400 U	4.4 U	4.4 U	4.7 U	5.3 U	14000 U	4.8 U
SW8260	79-00-5	1,1,2-Trichloroethane				ug/kg	5800 U	230 U	4.6 U	4.2 U	4400 U	4.4 U	4.4 U	4.7 U	5.3 U	14000 U	4.8 U
SW8260	75-34-3	1,1-Dichloroethane	270	240000	480000	ug/kg	5800 U	230 U	4.6 U	4.2 U	4400 U	4.4 U	4.4 U	4.7 U	5.3 U	14000 U	4.8 U
SW8260	75-35-4	1,1-Dichloroethene	330	500000	1000000	ug/kg	5800 U	230 U	4.6 U	4.2 U	4400 U	4.4 U	4.4 U	4.7 U	5.3 U	14000 U	4.8 U
SW8260	120-82-1	1,2,4-Trichlorobenzene				ug/kg	5800 U	230 U	4.6 U	4.2 U	4400 U	4.4 U	4.4 U	4.7 U	5.3 U	14000 U	4.8 U
SW8260	96-12-8	1,2-Dibromo-3-Chloropropane				ug/kg	5800 U	230 U	4.6 U	4.2 U	4400 U	4.4 U	4.4 U	4.7 U	5.3 U	14000 U	4.8 U
SW8260	106-93-4	1,2-Dibromoethane				ug/kg	5800 U	230 U	4.6 U	4.2 U	4400 U	4.4 U	4.4 U	4.7 U	5.3 U	14000 U	4.8 U
SW8260	95-50-1	1,2-Dichlorobenzene	1100	500000	1000000	ug/kg	5800 U	230 U	4.6 U	4.2 U	4400 U	4.4 U	4.4 U	4.7 U	5.3 U	14000 U	4.8 U
SW8260	107-06-2	1,2-Dichloroethane	20	30000	60000	ug/kg	5800 U	230 U	4.6 U	4.2 U	4400 U	4.4 U	4.4 U	4.7 U	5.3 U	14000 U	4.8 U
SW8260	78-87-5	1,2-Dichloropropane				ug/kg	5800 U	230 U	4.6 U	4.2 U	4400 U	4.4 U	4.4 U	4.7 U	5.3 U	14000 U	4.8 U
SW8260	541-73-1	1,3-Dichlorobenzene	2400	280000	560000	ug/kg	5800 U	230 U	4.6 U	4.2 U	4400 U	4.4 U	4.4 U	4.7 U	5.3 U	14000 U	4.8 U
SW8260	106-46-7	1,4-Dichlorobenzene	1800	130000	250000	ug/kg	5800 U	230 U	4.6 U	4.2 U	4400 U	4.4 U	4.4 U	4.7 U	5.3 U	14000 U	4.8 U
SW8260	78-93-3	2-Butanone	120	500000	1000000	ug/kg	29000 U	1200 U	23 U	21 U	22000 U	22 U	22 U	24 U	27 U	68000 U	24 U
SW8260	591-78-6	2-Hexanone				ug/kg	29000 U	1200 U	23 U	21 U	22000 U	22 U	22 U	24 U	27 U	68000 U	24 U
SW8260	108-10-1	4-Methyl-2-Pentanone				ug/kg	29000 U	1200 U	23 U	21 U	22000 U	22 U	22 U	24 U	27 U	68000 U	24 U
SW8260	67-64-1	Acetone	50	500000	1000000	ug/kg	29000 U	1200 U	21 J	41	22000 U	22 U	22 U	6.1 J	27 U	68000 U	21 J
SW8260	71-43-2	Benzene	**60**	**44000**	89000	ug/kg	**17000**	230 U	4.6 U	4.2 U	**27000**	4.4 U	4.4 U	4.7 U	5.3 U	**29000**	4.8 U
SW8260	75-27-4	Bromodichloromethane				ug/kg	5800 U	230 U	4.6 U	4.2 U	4400 U	4.4 U	4.4 U	4.7 U	5.3 U	14000 U	4.8 U
SW8260	75-25-2	Bromoform				ug/kg	5800 U	230 U	4.6 U	4.2 U	4400 U	4.4 U	4.4 U	4.7 U	5.3 U	14000 U	4.8 U
SW8260	74-83-9	Bromomethane				ug/kg	5800 U	230 U	4.6 U	4.2 U	4400 U	4.4 U	4.4 U	4.7 U	5.3 U	14000 U	4.8 U
SW8260	75-15-0	Carbon Disulfide				ug/kg	5800 U	230 U	4.6 U	4.2 U	4400 U	4.4 U	4.4 U	4.7 U	5.3 U	14000 U	4.8 U
SW8260	56-23-5	Carbon Tetrachloride	760	22000	44000	ug/kg	5800 U	230 U	4.6 U	4.2 U	4400 U	4.4 U	4.4 U	4.7 U	5.3 U	14000 U	4.8 U
SW8260	108-90-7	Chlorobenzene	1100	500000	1000000	ug/kg	5800 U	230 U	4.6 U	4.2 U	4400 U	4.4 U	4.4 U	4.7 U	5.3 U	14000 U	4.8 U
SW8260	75-00-3	Chloroethane				ug/kg	5800 U	230 U	4.6 U	4.2 U	4400 U	4.4 U	4.4 U	4.7 U	5.3 U	14000 U	4.8 U
SW8260	67-66-3	Chloroform	370	350000	700000	ug/kg	5800 U	230 U	4.6 U	4.2 U	4400 U	4.4 U	4.4 U	4.7 U	5.3 U	14000 U	4.8 U
SW8260	74-87-3	Chloromethane				ug/kg	5800 U	230 U	4.6 U	4.2 U	4400 U	4.4 U	4.4 U	4.7 U	5.3 U	14000 U	4.8 U
SW8260	156-59-2	cis-1,2-Dichloroethene	250	500000	1000000	ug/kg	5800 U	230 U	4.6 U	4.2 U	4400 U	4.4 U	4.4 U	4.7 U	5.3 U	14000 U	4.8 U
SW8260	10061-01-5	cis-1,3-Dichloropropene				ug/kg	5800 U	230 U	4.6 U	4.2 U	4400 U	4.4 U	4.4 U	4.7 U	5.3 U	14000 U	4.8 U
SW8260	110-82-7	Cyclohexane				ug/kg	5800 U	230 U	4.6 U	4.2 U	4400 U	4.4 U	4.4 U	4.7 U	5.3 U	14000 U	4.8 U
SW8260	124-48-1	Dibromochloromethane				ug/kg	5800 U	230 U	4.6 U	4.2 U	4400 U	4.4 U	4.4 U	4.7 U	5.3 U	14000 U	4.8 U
SW8260	75-71-8	Dichlorodifluoromethane				ug/kg	5800 U	230 U	4.6 U	4.2 U	4400 U	4.4 U	4.4 U	4.7 U	5.3 U	14000 U	4.8 U
SW8260	100-41-4	Ethylbenzene	**1000**	390000	780000	ug/kg	**15000**	230 U	4.6 U	4.2 U	4400 U	4.4 U	4.4 U	4.7 U	5.3 U	14000 U	4.8 U
SW8260	98-82-8	Isopropylbenzene				ug/kg	5800 U	230 U	4.6 U	4.2 U	4400 U	4.4 U	4.4 U	4.7 U	5.3 U	14000 U	4.8 U
SW8260	79-20-9	Methyl Acetate				ug/kg	29000 U	1200 U	23 U	21 U	22000 U	22 U	22 U	24 U	27 U	68000 U	24 U
SW8260	1634-04-4	Methyl Tert-Butyl Ether	930	500000	1000000	ug/kg	5800 U	230 U	4.6 U	4.2 U	4400 U	4.4 U	4.4 U	4.7 U	5.3 U	14000 U	4.8 U
SW8260	108-87-2	Methylcyclohexane				ug/kg	5800 U	230 U	4.6 U	4.2 U	4400 U	4.4 U	4.4 U	4.7 U	5.3 U	14000 U	4.8 U
SW8260	75-09-2	Methylene Chloride	50	500000	1000000	ug/kg	5800 U	230 U	4.6 U	4.2 U	4400 U	4.4 U	4.4 U	4.7 U	5.3 U	14000 U	4.8 U
SW8260	100-42-5	Styrene				ug/kg	30000	230 U	4.6 U	4.2 U	3300 J	4.4 U	4.4 U	4.7 U	5.3 U	15000	4.8 U
SW8260	127-18-4	Tetrachloroethene	1300	150000	300000	ug/kg	5800 U	230 U	4.6 U	4.2 U	4400 U	4.4 U	4.4 U	4.7 U	5.3 U	14000 U	4.8 U
SW8260	108-88-3	Toluene	**700**	500000	1000000	ug/kg	**36000**	230 U	0.62 J	4.2 U	**19000**	4.4 U	4.4 U	4.7 U	5.3 U	**19000**	4.8 U
SW8260	1330-20-7	Total Xylenes	**260**	500000	1000000	ug/kg	**140000**	460 U	9.1 U	8.4 U	**23000**	8.7 U	8.7 U	9.5 U	11 U	**28000**	9.7 U
SW8260	156-60-5	trans-1,2-Dichloroethene	190	500000	1000000	ug/kg	5800 U	230 U	4.6 U	4.2 U	4400 U	4.4 U	4.4 U	4.7 U	5.3 U	14000 U	4.8 U
SW8260	10061-02-6	trans-1,3-Dichloropropene				ug/kg	5800 U	230 U	4.6 U	4.2 U	4400 U	4.4 U	4.4 U	4.7 U	5.3 U	14000 U	4.8 U
SW8260	79-01-6	Trichloroethene	470	200000	400000	ug/kg	5800 U	230 U	4.6 U	4.2 U	4400 U	4.4 U	4.4 U	4.7 U	5.3 U	14000 U	4.8 U
SW8260	75-69-4	Trichlorofluoromethane				ug/kg	5800 U	230 U	4.6 U	4.2 U	4400 U	4.4 U	4.4 U	4.7 U	5.3 U	14000 U	4.8 U
SW8260	75-01-4	Vinyl Chloride	20	13000	27000	ug/kg	5800 U	230 U	4.6 U	4.2 U	4400 U	4.4 U	4.4 U	4.7 U	5.3 U	14000 U	4.8 U
SW8270	83-32-9	Acenaphthene	**20000**	**500000**	1000000	ug/kg	**670000**	31 J	200 U	200 U	**450000**	74 J	190 U	230 U	220 U	**410000**	190 U
SW8270	208-96-8	Acenaphthylene	**100000**	**500000**	**1000000**	ug/kg	**2100000**	90 J	28 J	200 U	**3200000**	150 J	190 U	33 J	40 J	**3300000**	120 J
SW8270	120-12-7	Anthracene	**100000**	**500000**	**1000000**	ug/kg	**14000000**	310	200 U	200 U	**3100000**	380	190 U	230 U	220 U	**4200000**	190 U
SW8270	56-55-3	Benzo(A)Anthracene	**1000**	**5600**	**11000**	ug/kg	**2100000**	76 J	44 J	200 U	**3000000**	380	190 U	180 J	100 J	**3100000**	190 U
SW8270	50-32-8	Benzo(A)Pyrene	**1000**	**1000**	**1100**	ug/kg	**1800000**	85 J	62 J	200 U	**2800000**	340	190 U	200 J	140 J	**2800000**	190 U
SW8270	205-99-2	Benzo(B)Fluoranthene	**1000**	**5600**	**11000**	ug/kg	**1800000**	110 J	69 J	200 U	**2900000**	350	190 U	190 J	180 J	**3200000**	190 U
SW8270	191-24-2	Benzo(G,H,I)perylene	**100000**	**500000**	**1000000**	ug/kg	**890000**	47 J	38 J	200 U	**1600000**	180 J	190 U	130 J	75 J	**1500000**	190 U
SW8270	207-08-9	Benzo(K)Fluoranthene	**800**	**56000**	**110000**	ug/kg	**970000**	39 J	28 J	200 U	**1300000**	210	190 U	120 J	55 J	**1200000**	190 U
SW8270	218-01-9	Chrysene	**1000**	**56000**	**110000**	ug/kg	**2000000**	87 J	200 U	200 U	**2300000**	330	190 U	180 J	96 J	**3000000**	190 U
SW8270	53-70-3	Dibenzo(a,h)Anthracene	**330**	**560**	**1100**	ug/kg	**310000**	210 U	200 U	200 U	**380000**	44 J	190 U	40 J	220 U	**460000**	190 U
SW8270	206-44-0	Fluoranthene	**100000**	**500000**	**1000000**	ug/kg	**6100000**	200 J	80 J	200 U	**8700000**	1200	190 U	390	230	**9400000**	20 J
SW8270	86-73-7	Fluorene	**30000**	**500000**	**1000000**	ug/kg	**4400000**	85 J	200 U	200 U	**3900000**	300	190 U	230 U	220 U	**3900000**	83 J
SW8270	193-39-5	Indeno(1,2,3-Cd)Pyrene	**500**	**5600**	**11000**	ug/kg	**900000**	46 J	34 J	200 U	**1500000**	170 J	190 U	120 J	74 J	**1400000**	190 U
SW8270	91-20-3	Naphthalene	**12000**	**500000**	**1000000**	ug/kg	**10000000**	1900	77 J	38 J	**9100000**	840	130 J	44 J	440	**11000000**	3600
SW8270	85-01-8	Phenanthrene	**100000**	**500000**	**1000000**	ug/kg	**11000000**	230	200 U	200 U	**10000000**	1100	190 U	200 J	54 J	**13000000**	74 J
SW8270	129-00-0	Pyrene	**100000**	**500000**	**1000000**	ug/kg	**4100000**	150 J	57 J	200 U	**5600000**	760	190 U	290	160 J	**5900000**	190 U
SW6010	7440-47-3	Chromium	**30**	1500	6800	mg/kg	17.7	22.8	23	21.3	3	26.5	21.5	28.6	**37.6**	8.4	23.3
SW9012	57-12-5	Cyanide, Total	27	27	10000	mg/kg	1 UJ	1.1 UJ	1.1 UJ	1.2 UJ	26.8	1.1 U	1.1 U	1.1 U	1.3 UJ	3.7 J-	1.1 UJ

					Location ID	MW-14		MW-14	
					Field Sample ID	MW-14_12102020		MW-140_12102020	
					Sampled	12/10/2020		12/10/2020	
					SDG	480-179236-1		480-179236-1	
					Lab Sample ID	480-179236-1		480-179236-2	
					Medium	Water		Water	
					Sample Type Code	REG		FD	
					Matrix	GW		GW	
Method	Parameter Code	Parameter Name	Units	Fraction	NYSDEC Class GA GW				
SW8260	71-55-6	1,1,1-Trichloroethane	ug/l	T	5	1	U	1	U
SW8260	79-34-5	1,1,2,2-Tetrachloroethane	ug/l	T	5	1	U	1	U
SW8260	76-13-1	1,1,2-Trichloro-1,2,2-Trifluoroethane	ug/l	T	5	1	U	1	U
SW8260	79-00-5	1,1,2-Trichloroethane	ug/l	T	1	1	U	1	U
SW8260	75-34-3	1,1-Dichloroethane	ug/l	T	5	1	U	1	U
SW8260	75-35-4	1,1-Dichloroethene	ug/l	T	5	1	U	1	U
SW8260	120-82-1	1,2,4-Trichlorobenzene	ug/l	T	5	1	U	1	U
SW8260	96-12-8	1,2-Dibromo-3-Chloropropane	ug/l	T	0.04	1	U	1	U
SW8260	106-93-4	1,2-Dibromoethane	ug/l	T	0.0006	1	U	1	U
SW8260	95-50-1	1,2-Dichlorobenzene	ug/l	T	3	1	U	1	U
SW8260	107-06-2	1,2-Dichloroethane	ug/l	T	0.6	1	U	1	U
SW8260	78-87-5	1,2-Dichloropropane	ug/l	T	1	1	U	1	U
SW8260	541-73-1	1,3-Dichlorobenzene	ug/l	T	3	1	U	1	U
SW8260	106-46-7	1,4-Dichlorobenzene	ug/l	T	3	1	U	1	U
SW8260	78-93-3	2-Butanone	ug/l	T	50	10	U	10	U
SW8260	591-78-6	2-Hexanone	ug/l	T	50	5	U	5	U
SW8260	108-10-1	4-Methyl-2-Pentanone	ug/l	T		5	U	5	U
SW8270	83-32-9	Acenaphthene	ug/l	T	20	5	U	5.2	U
SW8270	208-96-8	Acenaphthylene	ug/l	T		5	U	5.2	U
SW8260	67-64-1	Acetone	ug/l	T	50	10	U	10	U
SW8270	120-12-7	Anthracene	ug/l	T	50	5	U	5.2	U
SW8260	71-43-2	Benzene	ug/l	T	1	1	U	1	U
SW8270	56-55-3	Benzo(A)Anthracene	ug/l	T	0.002	5	U	5.2	U
SW8270	50-32-8	Benzo(A)Pyrene	ug/l	T	ND	5	U	5.2	U
SW8270	205-99-2	Benzo(B)Fluoranthene	ug/l	T	0.002	5	U	5.2	U
SW8270	191-24-2	Benzo(G,H,I)perylene	ug/l	T		5	U	5.2	U
SW8270	207-08-9	Benzo(K)Fluoranthene	ug/l	T	0.002	5	U	5.2	U
SW8260	75-27-4	Bromodichloromethane	ug/l	T	50	1	U	1	U
SW8260	75-25-2	Bromoform	ug/l	T	50	1	U	1	U
SW8260	74-83-9	Bromomethane	ug/l	T	5	1	U	1	U
SW8260	75-15-0	Carbon Disulfide	ug/l	T	60	1	U	1	U
SW8260	56-23-5	Carbon Tetrachloride	ug/l	T	5	1	U	1	U
SW8260	108-90-7	Chlorobenzene	ug/l	T	5	1	U	1	U
SW8260	75-00-3	Chloroethane	ug/l	T	5	1	U	1	U
SW8260	67-66-3	Chloroform	ug/l	T	7	1	U	1	U
SW8260	74-87-3	Chloromethane	ug/l	T	5	1	U	1	U
SW6010	7440-47-3	Chromium	mg/L	T	0.05	0.0094		0.0069	
SW8270	218-01-9	Chrysene	ug/l	T	0.002	5	U	5.2	U
SW8260	156-59-2	cis-1,2-Dichloroethene	ug/l	T	5	1	U	1	U
SW8260	10061-01-5	cis-1,3-Dichloropropene	ug/l	T	0.4	1	U	1	U
SW9012	57-12-5	Cyanide, Total	mg/L	T	0.2	0.01	UJ	0.005	J-
SW8260	110-82-7	Cyclohexane	ug/l	T		1	U	1	U
SW8270	53-70-3	Dibenzo(a,h)Anthracene	ug/l	T		5	U	5.2	U
SW8260	124-48-1	Dibromochloromethane	ug/l	T	50	1	U	1	U
SW8260	75-71-8	Dichlorodifluoromethane	ug/l	T	5	1	U	1	U
SW8260	100-41-4	Ethylbenzene	ug/l	T	5	1	U	1	U
SW8270	206-44-0	Fluoranthene	ug/l	T	50	5	U	5.2	U
SW8270	86-73-7	Fluorene	ug/l	T	50	5	U	5.2	U
SW8270	193-39-5	Indeno(1,2,3-Cd)Pyrene	ug/l	T	0.002	5	U	5.2	U
SW8260	98-82-8	Isopropylbenzene	ug/l	T	5	1	U	1	U
SW8260	79-20-9	Methyl Acetate	ug/l	T		2.5	U	2.5	U
SW8260	1634-04-4	Methyl Tert-Butyl Ether	ug/l	T	10	1	U	1	U
SW8260	108-87-2	Methylcyclohexane	ug/l	T		1	U	1	U
SW8260	75-09-2	Methylene Chloride	ug/l	T	5	1	U	1	U
SW8270	91-20-3	Naphthalene	ug/l	T	10	5	U	5.2	U
SW8270	85-01-8	Phenanthrene	ug/l	T	50	5	U	5.2	U
SW8270	129-00-0	Pyrene	ug/l	T	50	5	U	5.2	U
SW8260	100-42-5	Styrene	ug/l	T	5	1	U	1	U
SW8260	127-18-4	Tetrachloroethene	ug/l	T	5	1	U	1	U
SW8260	108-88-3	Toluene	ug/l	T	5	1	U	1	U
SW8260	1330-20-7	Total Xylenes	ug/l	T	5	2	U	2	U
SW8260	156-60-5	trans-1,2-Dichloroethene	ug/l	T	5	1	U	1	U
SW8260	10061-02-6	trans-1,3-Dichloropropene	ug/l	T	0.4	1	U	1	U
SW8260	79-01-6	Trichloroethene	ug/l	T	5	1	U	1	U
SW8260	75-69-4	Trichlorofluoromethane	ug/l	T	5	1	U	1	U
SW8260	75-01-4	Vinyl Chloride	ug/l	T	2	1	U	1	U

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ANALYTICAL REPORT

Eurofins TestAmerica, Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Tel: (716)691-2600

Laboratory Job ID: 480-177875-1
Client Project/Site: Honeywell - Tonawanda Plastics

For:
Parsons Corporation
180 Lawrence Bell Drive
Suite 104
Williamsville, New York 14221

Attn: Mr. Jeff Poulsen

Authorized for release by:
11/23/2020 3:49:22 PM
Rebecca Jones, Project Management Assistant I
Rebecca.Jones@Eurofinset.com

Designee for

John Schove, Project Manager II
(716)504-9838
John.Schove@Eurofinset.com

Table of Contents

Definitions/Glossary

Client: Parsons Corporation
Job ID: 480-177875-1
Project/Site: Honeywell - Tonawanda Plastics

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*	LCS or LCSD is outside acceptance limits.
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.

GC/MS Semi VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
U	Indicates the analyte was analyzed for but not detected.
X	Surrogate recovery exceeds control limits

General Chemistry

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.

Glossary

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

Job ID: 480-177875-1

Laboratory: Eurofins TestAmerica, Buffalo

Narrative

Job Narrative
480-177875-1

Comments
No additional comments.

Receipt
The samples were received on 11/9/2020 5:05 PM; the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 4.2º C.

GC/MS VOA
Method 8260C: The continuing calibration verification (CCV) associated with batch 480-558464 recovered above the upper control limit for Bromomethane. The sample(s) associated with this CCV were non-detects for the affected analyte; therefore, the data have been reported. The associated samples are impacted: B-18-11092020-4.5-5.0 (480-177875-1), B-20-11092020-6.1-6.6 (480-177875-3) and B-19-11092020-4.5-5.0 (480-177875-4).

Method 8260C: The laboratory control sample (LCS) for preparation batch 480-558571 and analytical batch 480-558464 recovered outside control limits for the following analytes: Bromomethane and Chloroethane. These analytes were biased high in the LCS and were not detected in the associated sample(s); therefore, the data have been reported. The associated samples are: B-18-11092020-4.5-5.0 (480-177875-1), B-20-11092020-6.1-6.6 (480-177875-3) and B-19-11092020-4.5-5.0 (480-177875-4)

Method 8260C: The following sample was analyzed using medium level soil analysis and diluted to bring the concentration of target analytes within the calibration range: B-18-11092020-0.9-1.4 (480-177875-2). Elevated reporting limits (RLs) are provided.

Method 8260C: The continuing calibration verification (CCV) associated with batch 480-558565 recovered above the upper control limit for Trichlorofluoromethane. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated sample is impacted: B-18-11092020-0.9-1.4 (480-177875-2).

Method 8260C: The surrogate Dibromofluoromethane (SURR) was outside the 20%D limits on the continuing calibration verification (CCV) but was within laboratory limits. The following samples are impacted: B-18-11092020-0.9-1.4 (480-177875-2).

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

GC/MS Semi VOA
Method 8270D: The following sample was diluted due to viscosity: B-18-11092020-0.9-1.4 (480-177875-2). Elevated reporting limits (RL) are provided.

Method 8270D: The following sample required a dilution due to sample viscosity: B-18-11092020-0.9-1.4 (480-177875-2). Because of this dilution, the surrogate spike concentration in the sample was reduced to a level where the recovery calculation does not provide useful information.

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

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

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

Organic Prep
Method 3550C: Due to the matrix, the initial volume used for the following sample deviated from the standard procedure: B-18-11092020-0.9-1.4 (480-177875-2). The reporting limits (RLs) have been adjusted proportionately.

Method 3550C: Due to the matrix, the following sample could not be concentrated to the final method required volume: B-18-11092020-0.9-1.4 (480-177875-2). The reporting limits (RLs) are elevated proportionately.

Job ID: 480-177875-1 (Continued)

Laboratory: Eurofins TestAmerica, Buffalo (Continued)

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

Detection Summary

Client: Parsons Corporation
Project/Site: Honeywell - Tonawanda Plastics

Job ID: 480-177875-1

Client Sample ID: B-18-11092020-4.5-5.0 — Lab Sample ID: 480-177875-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acenaphthene	74	J	200	30	ug/Kg	1	☼	8270D	Total/NA
Acenaphthylene	150	J	200	26	ug/Kg	1	☼	8270D	Total/NA
Anthracene	380		200	50	ug/Kg	1	☼	8270D	Total/NA
Benzo[a]anthracene	380		200	20	ug/Kg	1	☼	8270D	Total/NA
Benzo[a]pyrene	340		200	30	ug/Kg	1	☼	8270D	Total/NA
Benzo[b]fluoranthene	350		200	32	ug/Kg	1	☼	8270D	Total/NA
Benzo[g,h,i]perylene	180	J	200	22	ug/Kg	1	☼	8270D	Total/NA
Benzo[k]fluoranthene	210		200	26	ug/Kg	1	☼	8270D	Total/NA
Chrysene	330		200	46	ug/Kg	1	☼	8270D	Total/NA
Dibenz(a,h)anthracene	44	J	200	36	ug/Kg	1	☼	8270D	Total/NA
Fluoranthene	1200		200	22	ug/Kg	1	☼	8270D	Total/NA
Fluorene	300		200	24	ug/Kg	1	☼	8270D	Total/NA
Indeno[1,2,3-cd]pyrene	170	J	200	25	ug/Kg	1	☼	8270D	Total/NA
Naphthalene	840		200	26	ug/Kg	1	☼	8270D	Total/NA
Phenanthrene	1100		200	30	ug/Kg	1	☼	8270D	Total/NA
Pyrene	760		200	24	ug/Kg	1	☼	8270D	Total/NA
Chromium	26.5		0.62	0.25	mg/Kg	1	☼	6010C	Total/NA

Client Sample ID: B-18-11092020-0.9-1.4 — Lab Sample ID: 480-177875-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	27000		4400	840	ug/Kg	50	☼	8260C	Total/NA
Toluene	19000		4400	1200	ug/Kg	50	☼	8260C	Total/NA
Xylenes, Total	23000		8900	2500	ug/Kg	50	☼	8260C	Total/NA
Styrene	3300	J	4400	1100	ug/Kg	50	☼	8260C	Total/NA
Acenaphthene	450000		380000	55000	ug/Kg	50	☼	8270D	Total/NA
Acenaphthylene	3200000		380000	49000	ug/Kg	50	☼	8270D	Total/NA
Anthracene	3100000		380000	93000	ug/Kg	50	☼	8270D	Total/NA
Benzo[a]anthracene	3000000		380000	38000	ug/Kg	50	☼	8270D	Total/NA
Benzo[a]pyrene	2800000		380000	55000	ug/Kg	50	☼	8270D	Total/NA
Benzo[b]fluoranthene	2900000		380000	60000	ug/Kg	50	☼	8270D	Total/NA
Benzo[g,h,i]perylene	1600000		380000	40000	ug/Kg	50	☼	8270D	Total/NA
Benzo[k]fluoranthene	1300000		380000	49000	ug/Kg	50	☼	8270D	Total/NA
Chrysene	2300000		380000	84000	ug/Kg	50	☼	8270D	Total/NA
Dibenz(a,h)anthracene	380000		380000	66000	ug/Kg	50	☼	8270D	Total/NA
Fluoranthene	8700000		380000	40000	ug/Kg	50	☼	8270D	Total/NA
Fluorene	3900000		380000	44000	ug/Kg	50	☼	8270D	Total/NA
Indeno[1,2,3-cd]pyrene	1500000		380000	46000	ug/Kg	50	☼	8270D	Total/NA
Naphthalene	9100000		380000	49000	ug/Kg	50	☼	8270D	Total/NA
Phenanthrene	10000000		380000	55000	ug/Kg	50	☼	8270D	Total/NA
Pyrene	5600000		380000	44000	ug/Kg	50	☼	8270D	Total/NA
Chromium	3.0		0.61	0.24	mg/Kg	1	☼	6010C	Total/NA
Cyanide, Total	26.8		11.6	5.6	mg/Kg	10	☼	9012B	Total/NA

Client Sample ID: B-20-11092020-6.1-6.6 — Lab Sample ID: 480-177875-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	6.1	J	24	4.0	ug/Kg	1	☼	8260C	Total/NA
Acenaphthylene	33	J	230	29	ug/Kg	1	☼	8270D	Total/NA
Benzo[a]anthracene	180	J	230	23	ug/Kg	1	☼	8270D	Total/NA
Benzo[a]pyrene	200	J	230	33	ug/Kg	1	☼	8270D	Total/NA
Benzo[b]fluoranthene	190	J	230	36	ug/Kg	1	☼	8270D	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: B-20-11092020-6.1-6.6 (Continued)
Lab Sample ID: 480-177875-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzo[g,h,i]perylene	130	J	230	24	ug/Kg	1	☼	8270D	Total/NA
Benzo[k]fluoranthene	120	J	230	29	ug/Kg	1	☼	8270D	Total/NA
Chrysene	180	J	230	51	ug/Kg	1	☼	8270D	Total/NA
Dibenz(a,h)anthracene	40	J	230	40	ug/Kg	1	☼	8270D	Total/NA
Fluoranthene	390		230	24	ug/Kg	1	☼	8270D	Total/NA
Indeno[1,2,3-cd]pyrene	120	J	230	28	ug/Kg	1	☼	8270D	Total/NA
Naphthalene	44	J	230	29	ug/Kg	1	☼	8270D	Total/NA
Phenanthrene	200	J	230	33	ug/Kg	1	☼	8270D	Total/NA
Pyrene	290		230	27	ug/Kg	1	☼	8270D	Total/NA
Chromium	28.6		0.70	0.28	mg/Kg	1	☼	6010C	Total/NA

Client Sample ID: B-19-11092020-4.5-5.0
Lab Sample ID: 480-177875-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Naphthalene	130	J	190	25	ug/Kg	1	☼	8270D	Total/NA
Chromium	21.5		0.60	0.24	mg/Kg	1	☼	6010C	Total/NA

This Detection Summary does not include radiochemical test results.

Client: Parsons Corporation
Job ID: 480-177875-1
Project/Site: Honeywell - Tonawanda Plastics

Client Sample ID: B-18-11092020-4.5-5.0
Lab Sample ID: 480-177875-1
Date Collected: 11/09/20 15:45
Matrix: Solid
Date Received: 11/09/20 17:05
Percent Solids: 81.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	4.4	U	4.4	0.32	ug/Kg	☼	11/11/20 11:37	11/11/20 14:03	1
1,1,2,2-Tetrachloroethane	4.4	U	4.4	0.71	ug/Kg	☼	11/11/20 11:37	11/11/20 14:03	1
1,1,2-Trichloro-1,2,2-trifluoroethane	4.4	U	4.4	0.99	ug/Kg	☼	11/11/20 11:37	11/11/20 14:03	1
1,1,2-Trichloroethane	4.4	U	4.4	0.57	ug/Kg	☼	11/11/20 11:37	11/11/20 14:03	1
1,1-Dichloroethane	4.4	U	4.4	0.53	ug/Kg	☼	11/11/20 11:37	11/11/20 14:03	1
1,1-Dichloroethene	4.4	U	4.4	0.53	ug/Kg	☼	11/11/20 11:37	11/11/20 14:03	1
1,2,4-Trichlorobenzene	4.4	U	4.4	0.27	ug/Kg	☼	11/11/20 11:37	11/11/20 14:03	1
1,2-Dibromo-3-Chloropropane	4.4	U	4.4	2.2	ug/Kg	☼	11/11/20 11:37	11/11/20 14:03	1
1,2-Dibromoethane	4.4	U	4.4	0.56	ug/Kg	☼	11/11/20 11:37	11/11/20 14:03	1
1,2-Dichlorobenzene	4.4	U	4.4	0.34	ug/Kg	☼	11/11/20 11:37	11/11/20 14:03	1
1,2-Dichloroethane	4.4	U	4.4	0.22	ug/Kg	☼	11/11/20 11:37	11/11/20 14:03	1
1,2-Dichloropropane	4.4	U	4.4	2.2	ug/Kg	☼	11/11/20 11:37	11/11/20 14:03	1
1,3-Dichlorobenzene	4.4	U	4.4	0.22	ug/Kg	☼	11/11/20 11:37	11/11/20 14:03	1
1,4-Dichlorobenzene	4.4	U	4.4	0.61	ug/Kg	☼	11/11/20 11:37	11/11/20 14:03	1
2-Butanone (MEK)	22	U	22	1.6	ug/Kg	☼	11/11/20 11:37	11/11/20 14:03	1
2-Hexanone	22	U	22	2.2	ug/Kg	☼	11/11/20 11:37	11/11/20 14:03	1
4-Methyl-2-pentanone (MIBK)	22	U	22	1.4	ug/Kg	☼	11/11/20 11:37	11/11/20 14:03	1
Acetone	22	U	22	3.7	ug/Kg	☼	11/11/20 11:37	11/11/20 14:03	1
Benzene	4.4	U	4.4	0.21	ug/Kg	☼	11/11/20 11:37	11/11/20 14:03	1
Bromodichloromethane	4.4	U	4.4	0.58	ug/Kg	☼	11/11/20 11:37	11/11/20 14:03	1
Bromoform	4.4	U	4.4	2.2	ug/Kg	☼	11/11/20 11:37	11/11/20 14:03	1
Bromomethane	4.4	U *	4.4	0.39	ug/Kg	☼	11/11/20 11:37	11/11/20 14:03	1
Carbon disulfide	4.4	U	4.4	2.2	ug/Kg	☼	11/11/20 11:37	11/11/20 14:03	1
Carbon tetrachloride	4.4	U	4.4	0.42	ug/Kg	☼	11/11/20 11:37	11/11/20 14:03	1
Chlorobenzene	4.4	U	4.4	0.58	ug/Kg	☼	11/11/20 11:37	11/11/20 14:03	1
Chloroethane	4.4	U *	4.4	0.99	ug/Kg	☼	11/11/20 11:37	11/11/20 14:03	1
Chloroform	4.4	U	4.4	0.27	ug/Kg	☼	11/11/20 11:37	11/11/20 14:03	1
Chloromethane	4.4	U	4.4	0.26	ug/Kg	☼	11/11/20 11:37	11/11/20 14:03	1
cis-1,2-Dichloroethene	4.4	U	4.4	0.56	ug/Kg	☼	11/11/20 11:37	11/11/20 14:03	1
cis-1,3-Dichloropropene	4.4	U	4.4	0.63	ug/Kg	☼	11/11/20 11:37	11/11/20 14:03	1
Cyclohexane	4.4	U	4.4	0.61	ug/Kg	☼	11/11/20 11:37	11/11/20 14:03	1
Dibromochloromethane	4.4	U	4.4	0.56	ug/Kg	☼	11/11/20 11:37	11/11/20 14:03	1
Dichlorodifluoromethane	4.4	U	4.4	0.36	ug/Kg	☼	11/11/20 11:37	11/11/20 14:03	1
Ethylbenzene	4.4	U	4.4	0.30	ug/Kg	☼	11/11/20 11:37	11/11/20 14:03	1
Isopropylbenzene	4.4	U	4.4	0.66	ug/Kg	☼	11/11/20 11:37	11/11/20 14:03	1
Methyl acetate	22	U	22	2.6	ug/Kg	☼	11/11/20 11:37	11/11/20 14:03	1
Methyl tert-butyl ether	4.4	U	4.4	0.43	ug/Kg	☼	11/11/20 11:37	11/11/20 14:03	1
Methylcyclohexane	4.4	U	4.4	0.66	ug/Kg	☼	11/11/20 11:37	11/11/20 14:03	1
Methylene Chloride	4.4	U	4.4	2.0	ug/Kg	☼	11/11/20 11:37	11/11/20 14:03	1
Styrene	4.4	U	4.4	0.22	ug/Kg	☼	11/11/20 11:37	11/11/20 14:03	1
Tetrachloroethene	4.4	U	4.4	0.59	ug/Kg	☼	11/11/20 11:37	11/11/20 14:03	1
Toluene	4.4	U	4.4	0.33	ug/Kg	☼	11/11/20 11:37	11/11/20 14:03	1
trans-1,2-Dichloroethene	4.4	U	4.4	0.45	ug/Kg	☼	11/11/20 11:37	11/11/20 14:03	1
trans-1,3-Dichloropropene	4.4	U	4.4	1.9	ug/Kg	☼	11/11/20 11:37	11/11/20 14:03	1
Trichloroethene	4.4	U	4.4	0.96	ug/Kg	☼	11/11/20 11:37	11/11/20 14:03	1
Trichlorofluoromethane	4.4	U	4.4	0.41	ug/Kg	☼	11/11/20 11:37	11/11/20 14:03	1
Vinyl chloride	4.4	U	4.4	0.53	ug/Kg	☼	11/11/20 11:37	11/11/20 14:03	1
Xylenes, Total	8.7	U	8.7	0.73	ug/Kg	☼	11/11/20 11:37	11/11/20 14:03	1

Client Sample ID: B-18-11092020-4.5-5.0
Date Collected: 11/09/20 15:45
Date Received: 11/09/20 17:05

Lab Sample ID: 480-177875-1
Matrix: Solid
Percent Solids: 81.3

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*118*		*64 - 126*	*11/11/20 11:37*	*11/11/20 14:03*	*1*
4-Bromofluorobenzene (Surr)	*83*		*72 - 126*	*11/11/20 11:37*	*11/11/20 14:03*	*1*
Dibromofluoromethane (Surr)	*102*		*60 - 140*	*11/11/20 11:37*	*11/11/20 14:03*	*1*
Toluene-d8 (Surr)	*95*		*71 - 125*	*11/11/20 11:37*	*11/11/20 14:03*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	**74**	**J**	200	30	ug/Kg	☼	11/16/20 07:58	11/17/20 19:25	1
Acenaphthylene	**150**	**J**	200	26	ug/Kg	☼	11/16/20 07:58	11/17/20 19:25	1
Anthracene	**380**		200	50	ug/Kg	☼	11/16/20 07:58	11/17/20 19:25	1
Benzo[a]anthracene	**380**		200	20	ug/Kg	☼	11/16/20 07:58	11/17/20 19:25	1
Benzo[a]pyrene	**340**		200	30	ug/Kg	☼	11/16/20 07:58	11/17/20 19:25	1
Benzo[b]fluoranthene	**350**		200	32	ug/Kg	☼	11/16/20 07:58	11/17/20 19:25	1
Benzo[g,h,i]perylene	**180**	**J**	200	22	ug/Kg	☼	11/16/20 07:58	11/17/20 19:25	1
Benzo[k]fluoranthene	**210**		200	26	ug/Kg	☼	11/16/20 07:58	11/17/20 19:25	1
Chrysene	**330**		200	46	ug/Kg	☼	11/16/20 07:58	11/17/20 19:25	1
Dibenz(a,h)anthracene	**44**	**J**	200	36	ug/Kg	☼	11/16/20 07:58	11/17/20 19:25	1
Fluoranthene	**1200**		200	22	ug/Kg	☼	11/16/20 07:58	11/17/20 19:25	1
Fluorene	**300**		200	24	ug/Kg	☼	11/16/20 07:58	11/17/20 19:25	1
Indeno[1,2,3-cd]pyrene	**170**	**J**	200	25	ug/Kg	☼	11/16/20 07:58	11/17/20 19:25	1
Naphthalene	**840**		200	26	ug/Kg	☼	11/16/20 07:58	11/17/20 19:25	1
Phenanthrene	**1100**		200	30	ug/Kg	☼	11/16/20 07:58	11/17/20 19:25	1
Pyrene	**760**		200	24	ug/Kg	☼	11/16/20 07:58	11/17/20 19:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*94*		*60 - 120*	*11/16/20 07:58*	*11/17/20 19:25*	*1*
Nitrobenzene-d5 (Surr)	*83*		*53 - 120*	*11/16/20 07:58*	*11/17/20 19:25*	*1*
p-Terphenyl-d14 (Surr)	*102*		*79 - 130*	*11/16/20 07:58*	*11/17/20 19:25*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	**26.5**		0.62	0.25	mg/Kg	☼	11/18/20 15:33	11/20/20 14:39	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	1.1	U	1.1	0.53	mg/Kg	☼	11/11/20 17:09	11/12/20 16:03	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**18.7**		0.1	0.1	%			11/11/20 16:59	1
Percent Solids	**81.3**		0.1	0.1	%			11/11/20 16:59	1

Client: Parsons Corporation
Job ID: 480-177875-1
Project/Site: Honeywell - Tonawanda Plastics

Client Sample ID: B-18-11092020-0.9-1.4
Lab Sample ID: 480-177875-2
Date Collected: 11/09/20 15:15
Matrix: Solid
Date Received: 11/09/20 17:05
Percent Solids: 85.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	4400	U	4400	1200	ug/Kg	☼	11/10/20 12:31	11/11/20 23:01	50
1,1,2,2-Tetrachloroethane	4400	U	4400	720	ug/Kg	☼	11/10/20 12:31	11/11/20 23:01	50
1,1,2-Trichloro-1,2,2-trifluoroethane	4400	U	4400	2200	ug/Kg	☼	11/10/20 12:31	11/11/20 23:01	50
1,1,2-Trichloroethane	4400	U	4400	930	ug/Kg	☼	11/10/20 12:31	11/11/20 23:01	50
1,1-Dichloroethane	4400	U	4400	1400	ug/Kg	☼	11/10/20 12:31	11/11/20 23:01	50
1,1-Dichloroethene	4400	U	4400	1500	ug/Kg	☼	11/10/20 12:31	11/11/20 23:01	50
1,2,4-Trichlorobenzene	4400	U	4400	1700	ug/Kg	☼	11/10/20 12:31	11/11/20 23:01	50
1,2-Dibromo-3-Chloropropane	4400	U	4400	2200	ug/Kg	☼	11/10/20 12:31	11/11/20 23:01	50
1,2-Dichlorobenzene	4400	U	4400	1100	ug/Kg	☼	11/10/20 12:31	11/11/20 23:01	50
1,2-Dichloroethane	4400	U	4400	1800	ug/Kg	☼	11/10/20 12:31	11/11/20 23:01	50
1,2-Dichloropropane	4400	U	4400	720	ug/Kg	☼	11/10/20 12:31	11/11/20 23:01	50
1,3-Dichlorobenzene	4400	U	4400	1200	ug/Kg	☼	11/10/20 12:31	11/11/20 23:01	50
1,4-Dichlorobenzene	4400	U	4400	620	ug/Kg	☼	11/10/20 12:31	11/11/20 23:01	50
2-Butanone (MEK)	22000	U	22000	13000	ug/Kg	☼	11/10/20 12:31	11/11/20 23:01	50
2-Hexanone	22000	U	22000	9100	ug/Kg	☼	11/10/20 12:31	11/11/20 23:01	50
4-Methyl-2-pentanone (MIBK)	22000	U	22000	1400	ug/Kg	☼	11/10/20 12:31	11/11/20 23:01	50
Acetone	22000	U	22000	18000	ug/Kg	☼	11/10/20 12:31	11/11/20 23:01	50
Benzene	**27000**		4400	840	ug/Kg	☼	11/10/20 12:31	11/11/20 23:01	50
Bromoform	4400	U	4400	2200	ug/Kg	☼	11/10/20 12:31	11/11/20 23:01	50
Bromomethane	4400	U	4400	970	ug/Kg	☼	11/10/20 12:31	11/11/20 23:01	50
Carbon disulfide	4400	U	4400	2000	ug/Kg	☼	11/10/20 12:31	11/11/20 23:01	50
Carbon tetrachloride	4400	U	4400	1100	ug/Kg	☼	11/10/20 12:31	11/11/20 23:01	50
Chlorobenzene	4400	U	4400	580	ug/Kg	☼	11/10/20 12:31	11/11/20 23:01	50
Dibromochloromethane	4400	U	4400	2100	ug/Kg	☼	11/10/20 12:31	11/11/20 23:01	50
Chloroethane	4400	U	4400	920	ug/Kg	☼	11/10/20 12:31	11/11/20 23:01	50
Chloroform	4400	U	4400	3000	ug/Kg	☼	11/10/20 12:31	11/11/20 23:01	50
Chloromethane	4400	U	4400	1100	ug/Kg	☼	11/10/20 12:31	11/11/20 23:01	50
cis-1,2-Dichloroethene	4400	U	4400	1200	ug/Kg	☼	11/10/20 12:31	11/11/20 23:01	50
Cyclohexane	4400	U	4400	980	ug/Kg	☼	11/10/20 12:31	11/11/20 23:01	50
Bromodichloromethane	4400	U	4400	890	ug/Kg	☼	11/10/20 12:31	11/11/20 23:01	50
Dichlorodifluoromethane	4400	U	4400	1900	ug/Kg	☼	11/10/20 12:31	11/11/20 23:01	50
Ethylbenzene	4400	U	4400	1300	ug/Kg	☼	11/10/20 12:31	11/11/20 23:01	50
1,2-Dibromoethane	4400	U	4400	780	ug/Kg	☼	11/10/20 12:31	11/11/20 23:01	50
Isopropylbenzene	4400	U	4400	660	ug/Kg	☼	11/10/20 12:31	11/11/20 23:01	50
Methyl acetate	22000	U	22000	2100	ug/Kg	☼	11/10/20 12:31	11/11/20 23:01	50
Methyl tert-butyl ether	4400	U	4400	1700	ug/Kg	☼	11/10/20 12:31	11/11/20 23:01	50
Methylcyclohexane	4400	U	4400	2100	ug/Kg	☼	11/10/20 12:31	11/11/20 23:01	50
Methylene Chloride	4400	U	4400	880	ug/Kg	☼	11/10/20 12:31	11/11/20 23:01	50
Tetrachloroethene	4400	U	4400	600	ug/Kg	☼	11/10/20 12:31	11/11/20 23:01	50
Toluene	**19000**		4400	1200	ug/Kg	☼	11/10/20 12:31	11/11/20 23:01	50
trans-1,2-Dichloroethene	4400	U	4400	1000	ug/Kg	☼	11/10/20 12:31	11/11/20 23:01	50
trans-1,3-Dichloropropene	4400	U	4400	440	ug/Kg	☼	11/10/20 12:31	11/11/20 23:01	50
Trichloroethene	4400	U	4400	1200	ug/Kg	☼	11/10/20 12:31	11/11/20 23:01	50
Trichlorofluoromethane	4400	U	4400	2100	ug/Kg	☼	11/10/20 12:31	11/11/20 23:01	50
Vinyl chloride	4400	U	4400	1500	ug/Kg	☼	11/10/20 12:31	11/11/20 23:01	50
Xylenes, Total	**23000**		8900	2500	ug/Kg	☼	11/10/20 12:31	11/11/20 23:01	50
cis-1,3-Dichloropropene	4400	U	4400	1100	ug/Kg	☼	11/10/20 12:31	11/11/20 23:01	50
Styrene	**3300**	**J**	4400	1100	ug/Kg	☼	11/10/20 12:31	11/11/20 23:01	50

Client: Parsons Corporation
Project/Site: Honeywell - Tonawanda Plastics

Job ID: 480-177875-1

Client Sample ID: B-18-11092020-0.9-1.4

Date Collected: 11/09/20 15:15
Date Received: 11/09/20 17:05

Lab Sample ID: 480-177875-2

Matrix: Solid
Percent Solids: 85.0

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	*107*		*53 - 146*	*11/10/20 12:31*	*11/11/20 23:01*	*50*
4-Bromofluorobenzene (Surr)	*112*		*49 - 148*	*11/10/20 12:31*	*11/11/20 23:01*	*50*
Toluene-d8 (Surr)	*105*		*50 - 149*	*11/10/20 12:31*	*11/11/20 23:01*	*50*
Dibromofluoromethane (Surr)	*116*		*60 - 140*	*11/10/20 12:31*	*11/11/20 23:01*	*50*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	**450000**		380000	55000	ug/Kg	☼	11/16/20 07:58	11/17/20 19:50	50
Acenaphthylene	**3200000**		380000	49000	ug/Kg	☼	11/16/20 07:58	11/17/20 19:50	50
Anthracene	**3100000**		380000	93000	ug/Kg	☼	11/16/20 07:58	11/17/20 19:50	50
Benzo[a]anthracene	**3000000**		380000	38000	ug/Kg	☼	11/16/20 07:58	11/17/20 19:50	50
Benzo[a]pyrene	**2800000**		380000	55000	ug/Kg	☼	11/16/20 07:58	11/17/20 19:50	50
Benzo[b]fluoranthene	**2900000**		380000	60000	ug/Kg	☼	11/16/20 07:58	11/17/20 19:50	50
Benzo[g,h,i]perylene	**1600000**		380000	40000	ug/Kg	☼	11/16/20 07:58	11/17/20 19:50	50
Benzo[k]fluoranthene	**1300000**		380000	49000	ug/Kg	☼	11/16/20 07:58	11/17/20 19:50	50
Chrysene	**2300000**		380000	84000	ug/Kg	☼	11/16/20 07:58	11/17/20 19:50	50
Dibenz(a,h)anthracene	**380000**		380000	66000	ug/Kg	☼	11/16/20 07:58	11/17/20 19:50	50
Fluoranthene	**8700000**		380000	40000	ug/Kg	☼	11/16/20 07:58	11/17/20 19:50	50
Fluorene	**3900000**		380000	44000	ug/Kg	☼	11/16/20 07:58	11/17/20 19:50	50
Indeno[1,2,3-cd]pyrene	**1500000**		380000	46000	ug/Kg	☼	11/16/20 07:58	11/17/20 19:50	50
Naphthalene	**9100000**		380000	49000	ug/Kg	☼	11/16/20 07:58	11/17/20 19:50	50
Phenanthrene	**10000000**		380000	55000	ug/Kg	☼	11/16/20 07:58	11/17/20 19:50	50
Pyrene	**5600000**		380000	44000	ug/Kg	☼	11/16/20 07:58	11/17/20 19:50	50

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	*0*	*X*	*60 - 120*	*11/16/20 07:58*	*11/17/20 19:50*	*50*
Nitrobenzene-d5 (Surr)	*0*	*X*	*53 - 120*	*11/16/20 07:58*	*11/17/20 19:50*	*50*
p-Terphenyl-d14 (Surr)	*0*	*X*	*79 - 130*	*11/16/20 07:58*	*11/17/20 19:50*	*50*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	**3.0**		0.61	0.24	mg/Kg	☼	11/18/20 15:33	11/20/20 14:43	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	**26.8**		11.6	5.6	mg/Kg	☼	11/11/20 17:09	11/12/20 16:23	10

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**15.0**		0.1	0.1	%			11/11/20 16:59	1
Percent Solids	**85.0**		0.1	0.1	%			11/11/20 16:59	1

Client: Parsons Corporation
Job ID: 480-177875-1
Project/Site: Honeywell - Tonawanda Plastics

Client Sample ID: B-20-11092020-6.1-6.6
Lab Sample ID: 480-177875-3
Date Collected: 11/09/20 09:40
Matrix: Solid
Date Received: 11/09/20 17:05
Percent Solids: 75.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	4.7	U	4.7	0.34	ug/Kg	☼	11/11/20 11:37	11/11/20 14:28	1
1,1,2,2-Tetrachloroethane	4.7	U	4.7	0.77	ug/Kg	☼	11/11/20 11:37	11/11/20 14:28	1
1,1,2-Trichloro-1,2,2-trifluoroethane	4.7	U	4.7	1.1	ug/Kg	☼	11/11/20 11:37	11/11/20 14:28	1
1,1,2-Trichloroethane	4.7	U	4.7	0.62	ug/Kg	☼	11/11/20 11:37	11/11/20 14:28	1
1,1-Dichloroethane	4.7	U	4.7	0.58	ug/Kg	☼	11/11/20 11:37	11/11/20 14:28	1
1,1-Dichloroethene	4.7	U	4.7	0.58	ug/Kg	☼	11/11/20 11:37	11/11/20 14:28	1
1,2,4-Trichlorobenzene	4.7	U	4.7	0.29	ug/Kg	☼	11/11/20 11:37	11/11/20 14:28	1
1,2-Dibromo-3-Chloropropane	4.7	U	4.7	2.4	ug/Kg	☼	11/11/20 11:37	11/11/20 14:28	1
1,2-Dibromoethane	4.7	U	4.7	0.61	ug/Kg	☼	11/11/20 11:37	11/11/20 14:28	1
1,2-Dichlorobenzene	4.7	U	4.7	0.37	ug/Kg	☼	11/11/20 11:37	11/11/20 14:28	1
1,2-Dichloroethane	4.7	U	4.7	0.24	ug/Kg	☼	11/11/20 11:37	11/11/20 14:28	1
1,2-Dichloropropane	4.7	U	4.7	2.4	ug/Kg	☼	11/11/20 11:37	11/11/20 14:28	1
1,3-Dichlorobenzene	4.7	U	4.7	0.24	ug/Kg	☼	11/11/20 11:37	11/11/20 14:28	1
1,4-Dichlorobenzene	4.7	U	4.7	0.66	ug/Kg	☼	11/11/20 11:37	11/11/20 14:28	1
2-Butanone (MEK)	24	U	24	1.7	ug/Kg	☼	11/11/20 11:37	11/11/20 14:28	1
2-Hexanone	24	U	24	2.4	ug/Kg	☼	11/11/20 11:37	11/11/20 14:28	1
4-Methyl-2-pentanone (MIBK)	24	U	24	1.6	ug/Kg	☼	11/11/20 11:37	11/11/20 14:28	1
Acetone	**6.1**	**J**	24	4.0	ug/Kg	☼	11/11/20 11:37	11/11/20 14:28	1
Benzene	4.7	U	4.7	0.23	ug/Kg	☼	11/11/20 11:37	11/11/20 14:28	1
Bromodichloromethane	4.7	U	4.7	0.64	ug/Kg	☼	11/11/20 11:37	11/11/20 14:28	1
Bromoform	4.7	U	4.7	2.4	ug/Kg	☼	11/11/20 11:37	11/11/20 14:28	1
Bromomethane	4.7	U *	4.7	0.43	ug/Kg	☼	11/11/20 11:37	11/11/20 14:28	1
Carbon disulfide	4.7	U	4.7	2.4	ug/Kg	☼	11/11/20 11:37	11/11/20 14:28	1
Carbon tetrachloride	4.7	U	4.7	0.46	ug/Kg	☼	11/11/20 11:37	11/11/20 14:28	1
Chlorobenzene	4.7	U	4.7	0.63	ug/Kg	☼	11/11/20 11:37	11/11/20 14:28	1
Chloroethane	4.7	U *	4.7	1.1	ug/Kg	☼	11/11/20 11:37	11/11/20 14:28	1
Chloroform	4.7	U	4.7	0.29	ug/Kg	☼	11/11/20 11:37	11/11/20 14:28	1
Chloromethane	4.7	U	4.7	0.29	ug/Kg	☼	11/11/20 11:37	11/11/20 14:28	1
cis-1,2-Dichloroethene	4.7	U	4.7	0.61	ug/Kg	☼	11/11/20 11:37	11/11/20 14:28	1
cis-1,3-Dichloropropene	4.7	U	4.7	0.68	ug/Kg	☼	11/11/20 11:37	11/11/20 14:28	1
Cyclohexane	4.7	U	4.7	0.66	ug/Kg	☼	11/11/20 11:37	11/11/20 14:28	1
Dibromochloromethane	4.7	U	4.7	0.61	ug/Kg	☼	11/11/20 11:37	11/11/20 14:28	1
Dichlorodifluoromethane	4.7	U	4.7	0.39	ug/Kg	☼	11/11/20 11:37	11/11/20 14:28	1
Ethylbenzene	4.7	U	4.7	0.33	ug/Kg	☼	11/11/20 11:37	11/11/20 14:28	1
Isopropylbenzene	4.7	U	4.7	0.72	ug/Kg	☼	11/11/20 11:37	11/11/20 14:28	1
Methyl acetate	24	U	24	2.9	ug/Kg	☼	11/11/20 11:37	11/11/20 14:28	1
Methyl tert-butyl ether	4.7	U	4.7	0.47	ug/Kg	☼	11/11/20 11:37	11/11/20 14:28	1
Methylcyclohexane	4.7	U	4.7	0.72	ug/Kg	☼	11/11/20 11:37	11/11/20 14:28	1
Methylene Chloride	4.7	U	4.7	2.2	ug/Kg	☼	11/11/20 11:37	11/11/20 14:28	1
Styrene	4.7	U	4.7	0.24	ug/Kg	☼	11/11/20 11:37	11/11/20 14:28	1
Tetrachloroethene	4.7	U	4.7	0.64	ug/Kg	☼	11/11/20 11:37	11/11/20 14:28	1
Toluene	4.7	U	4.7	0.36	ug/Kg	☼	11/11/20 11:37	11/11/20 14:28	1
trans-1,2-Dichloroethene	4.7	U	4.7	0.49	ug/Kg	☼	11/11/20 11:37	11/11/20 14:28	1
trans-1,3-Dichloropropene	4.7	U	4.7	2.1	ug/Kg	☼	11/11/20 11:37	11/11/20 14:28	1
Trichloroethene	4.7	U	4.7	1.0	ug/Kg	☼	11/11/20 11:37	11/11/20 14:28	1
Trichlorofluoromethane	4.7	U	4.7	0.45	ug/Kg	☼	11/11/20 11:37	11/11/20 14:28	1
Vinyl chloride	4.7	U	4.7	0.58	ug/Kg	☼	11/11/20 11:37	11/11/20 14:28	1
Xylenes, Total	9.5	U	9.5	0.80	ug/Kg	☼	11/11/20 11:37	11/11/20 14:28	1

Client: Parsons Corporation
Project/Site: Honeywell - Tonawanda Plastics

Job ID: 480-177875-1

Client Sample ID: B-20-11092020-6.1-6.6

Date Collected: 11/09/20 09:40
Date Received: 11/09/20 17:05

Lab Sample ID: 480-177875-3

Matrix: Solid
Percent Solids: 75.0

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*115*		*64 - 126*	*11/11/20 11:37*	*11/11/20 14:28*	*1*
4-Bromofluorobenzene (Surr)	*86*		*72 - 126*	*11/11/20 11:37*	*11/11/20 14:28*	*1*
Dibromofluoromethane (Surr)	*101*		*60 - 140*	*11/11/20 11:37*	*11/11/20 14:28*	*1*
Toluene-d8 (Surr)	*97*		*71 - 125*	*11/11/20 11:37*	*11/11/20 14:28*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	230	U	230	33	ug/Kg	☼	11/16/20 07:58	11/17/20 20:14	1
Acenaphthylene	**33**	**J**	230	29	ug/Kg	☼	11/16/20 07:58	11/17/20 20:14	1
Anthracene	230	U	230	56	ug/Kg	☼	11/16/20 07:58	11/17/20 20:14	1
Benzo[a]anthracene	**180**	**J**	230	23	ug/Kg	☼	11/16/20 07:58	11/17/20 20:14	1
Benzo[a]pyrene	**200**	**J**	230	33	ug/Kg	☼	11/16/20 07:58	11/17/20 20:14	1
Benzo[b]fluoranthene	**190**	**J**	230	36	ug/Kg	☼	11/16/20 07:58	11/17/20 20:14	1
Benzo[g,h,i]perylene	**130**	**J**	230	24	ug/Kg	☼	11/16/20 07:58	11/17/20 20:14	1
Benzo[k]fluoranthene	**120**	**J**	230	29	ug/Kg	☼	11/16/20 07:58	11/17/20 20:14	1
Chrysene	**180**	**J**	230	51	ug/Kg	☼	11/16/20 07:58	11/17/20 20:14	1
Dibenz(a,h)anthracene	**40**	**J**	230	40	ug/Kg	☼	11/16/20 07:58	11/17/20 20:14	1
Fluoranthene	**390**		230	24	ug/Kg	☼	11/16/20 07:58	11/17/20 20:14	1
Fluorene	230	U	230	27	ug/Kg	☼	11/16/20 07:58	11/17/20 20:14	1
Indeno[1,2,3-cd]pyrene	**120**	**J**	230	28	ug/Kg	☼	11/16/20 07:58	11/17/20 20:14	1
Naphthalene	**44**	**J**	230	29	ug/Kg	☼	11/16/20 07:58	11/17/20 20:14	1
Phenanthrene	**200**	**J**	230	33	ug/Kg	☼	11/16/20 07:58	11/17/20 20:14	1
Pyrene	**290**		230	27	ug/Kg	☼	11/16/20 07:58	11/17/20 20:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*104*		*60 - 120*	*11/16/20 07:58*	*11/17/20 20:14*	*1*
Nitrobenzene-d5 (Surr)	*86*		*53 - 120*	*11/16/20 07:58*	*11/17/20 20:14*	*1*
p-Terphenyl-d14 (Surr)	*107*		*79 - 130*	*11/16/20 07:58*	*11/17/20 20:14*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	**28.6**		0.70	0.28	mg/Kg	☼	11/18/20 15:33	11/20/20 14:46	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	1.1	U	1.1	0.55	mg/Kg	☼	11/11/20 17:09	11/12/20 16:06	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**25.0**		0.1	0.1	%			11/11/20 16:59	1
Percent Solids	**75.0**		0.1	0.1	%			11/11/20 16:59	1

Client: Parsons Corporation
Job ID: 480-177875-1
Project/Site: Honeywell - Tonawanda Plastics

Client Sample ID: B-19-11092020-4.5-5.0
Lab Sample ID: 480-177875-4
Date Collected: 11/09/20 16:05
Matrix: Solid
Date Received: 11/09/20 17:05
Percent Solids: 87.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	4.4	U	4.4	0.32	ug/Kg	☼	11/11/20 11:37	11/11/20 14:52	1
1,1,2,2-Tetrachloroethane	4.4	U	4.4	0.71	ug/Kg	☼	11/11/20 11:37	11/11/20 14:52	1
1,1,2-Trichloro-1,2,2-trifluoroethane	4.4	U	4.4	1.0	ug/Kg	☼	11/11/20 11:37	11/11/20 14:52	1
1,1,2-Trichloroethane	4.4	U	4.4	0.57	ug/Kg	☼	11/11/20 11:37	11/11/20 14:52	1
1,1-Dichloroethane	4.4	U	4.4	0.53	ug/Kg	☼	11/11/20 11:37	11/11/20 14:52	1
1,1-Dichloroethene	4.4	U	4.4	0.53	ug/Kg	☼	11/11/20 11:37	11/11/20 14:52	1
1,2,4-Trichlorobenzene	4.4	U	4.4	0.27	ug/Kg	☼	11/11/20 11:37	11/11/20 14:52	1
1,2-Dibromo-3-Chloropropane	4.4	U	4.4	2.2	ug/Kg	☼	11/11/20 11:37	11/11/20 14:52	1
1,2-Dibromoethane	4.4	U	4.4	0.56	ug/Kg	☼	11/11/20 11:37	11/11/20 14:52	1
1,2-Dichlorobenzene	4.4	U	4.4	0.34	ug/Kg	☼	11/11/20 11:37	11/11/20 14:52	1
1,2-Dichloroethane	4.4	U	4.4	0.22	ug/Kg	☼	11/11/20 11:37	11/11/20 14:52	1
1,2-Dichloropropane	4.4	U	4.4	2.2	ug/Kg	☼	11/11/20 11:37	11/11/20 14:52	1
1,3-Dichlorobenzene	4.4	U	4.4	0.22	ug/Kg	☼	11/11/20 11:37	11/11/20 14:52	1
1,4-Dichlorobenzene	4.4	U	4.4	0.61	ug/Kg	☼	11/11/20 11:37	11/11/20 14:52	1
2-Butanone (MEK)	22	U	22	1.6	ug/Kg	☼	11/11/20 11:37	11/11/20 14:52	1
2-Hexanone	22	U	22	2.2	ug/Kg	☼	11/11/20 11:37	11/11/20 14:52	1
4-Methyl-2-pentanone (MIBK)	22	U	22	1.4	ug/Kg	☼	11/11/20 11:37	11/11/20 14:52	1
Acetone	22	U	22	3.7	ug/Kg	☼	11/11/20 11:37	11/11/20 14:52	1
Benzene	4.4	U	4.4	0.21	ug/Kg	☼	11/11/20 11:37	11/11/20 14:52	1
Bromodichloromethane	4.4	U	4.4	0.59	ug/Kg	☼	11/11/20 11:37	11/11/20 14:52	1
Bromoform	4.4	U	4.4	2.2	ug/Kg	☼	11/11/20 11:37	11/11/20 14:52	1
Bromomethane	4.4	U *	4.4	0.39	ug/Kg	☼	11/11/20 11:37	11/11/20 14:52	1
Carbon disulfide	4.4	U	4.4	2.2	ug/Kg	☼	11/11/20 11:37	11/11/20 14:52	1
Carbon tetrachloride	4.4	U	4.4	0.42	ug/Kg	☼	11/11/20 11:37	11/11/20 14:52	1
Chlorobenzene	4.4	U	4.4	0.58	ug/Kg	☼	11/11/20 11:37	11/11/20 14:52	1
Chloroethane	4.4	U *	4.4	0.99	ug/Kg	☼	11/11/20 11:37	11/11/20 14:52	1
Chloroform	4.4	U	4.4	0.27	ug/Kg	☼	11/11/20 11:37	11/11/20 14:52	1
Chloromethane	4.4	U	4.4	0.26	ug/Kg	☼	11/11/20 11:37	11/11/20 14:52	1
cis-1,2-Dichloroethene	4.4	U	4.4	0.56	ug/Kg	☼	11/11/20 11:37	11/11/20 14:52	1
cis-1,3-Dichloropropene	4.4	U	4.4	0.63	ug/Kg	☼	11/11/20 11:37	11/11/20 14:52	1
Cyclohexane	4.4	U	4.4	0.61	ug/Kg	☼	11/11/20 11:37	11/11/20 14:52	1
Dibromochloromethane	4.4	U	4.4	0.56	ug/Kg	☼	11/11/20 11:37	11/11/20 14:52	1
Dichlorodifluoromethane	4.4	U	4.4	0.36	ug/Kg	☼	11/11/20 11:37	11/11/20 14:52	1
Ethylbenzene	4.4	U	4.4	0.30	ug/Kg	☼	11/11/20 11:37	11/11/20 14:52	1
Isopropylbenzene	4.4	U	4.4	0.66	ug/Kg	☼	11/11/20 11:37	11/11/20 14:52	1
Methyl acetate	22	U	22	2.6	ug/Kg	☼	11/11/20 11:37	11/11/20 14:52	1
Methyl tert-butyl ether	4.4	U	4.4	0.43	ug/Kg	☼	11/11/20 11:37	11/11/20 14:52	1
Methylcyclohexane	4.4	U	4.4	0.66	ug/Kg	☼	11/11/20 11:37	11/11/20 14:52	1
Methylene Chloride	4.4	U	4.4	2.0	ug/Kg	☼	11/11/20 11:37	11/11/20 14:52	1
Styrene	4.4	U	4.4	0.22	ug/Kg	☼	11/11/20 11:37	11/11/20 14:52	1
Tetrachloroethene	4.4	U	4.4	0.59	ug/Kg	☼	11/11/20 11:37	11/11/20 14:52	1
Toluene	4.4	U	4.4	0.33	ug/Kg	☼	11/11/20 11:37	11/11/20 14:52	1
trans-1,2-Dichloroethene	4.4	U	4.4	0.45	ug/Kg	☼	11/11/20 11:37	11/11/20 14:52	1
trans-1,3-Dichloropropene	4.4	U	4.4	1.9	ug/Kg	☼	11/11/20 11:37	11/11/20 14:52	1
Trichloroethene	4.4	U	4.4	0.96	ug/Kg	☼	11/11/20 11:37	11/11/20 14:52	1
Trichlorofluoromethane	4.4	U	4.4	0.41	ug/Kg	☼	11/11/20 11:37	11/11/20 14:52	1
Vinyl chloride	4.4	U	4.4	0.53	ug/Kg	☼	11/11/20 11:37	11/11/20 14:52	1
Xylenes, Total	8.7	U	8.7	0.73	ug/Kg	☼	11/11/20 11:37	11/11/20 14:52	1

Client: Parsons Corporation
Project/Site: Honeywell - Tonawanda Plastics

Job ID: 480-177875-1

Client Sample ID: B-19-11092020-4.5-5.0
Date Collected: 11/09/20 16:05
Date Received: 11/09/20 17:05

Lab Sample ID: 480-177875-4
Matrix: Solid
Percent Solids: 87.7

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*126*		*64 - 126*	*11/11/20 11:37*	*11/11/20 14:52*	*1*
4-Bromofluorobenzene (Surr)	*86*		*72 - 126*	*11/11/20 11:37*	*11/11/20 14:52*	*1*
Dibromofluoromethane (Surr)	*102*		*60 - 140*	*11/11/20 11:37*	*11/11/20 14:52*	*1*
Toluene-d8 (Surr)	*94*		*71 - 125*	*11/11/20 11:37*	*11/11/20 14:52*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	190	U	190	28	ug/Kg	☼	11/16/20 07:58	11/17/20 20:39	1
Acenaphthylene	190	U	190	25	ug/Kg	☼	11/16/20 07:58	11/17/20 20:39	1
Anthracene	190	U	190	48	ug/Kg	☼	11/16/20 07:58	11/17/20 20:39	1
Benzo[a]anthracene	190	U	190	19	ug/Kg	☼	11/16/20 07:58	11/17/20 20:39	1
Benzo[a]pyrene	190	U	190	28	ug/Kg	☼	11/16/20 07:58	11/17/20 20:39	1
Benzo[b]fluoranthene	190	U	190	31	ug/Kg	☼	11/16/20 07:58	11/17/20 20:39	1
Benzo[g,h,i]perylene	190	U	190	20	ug/Kg	☼	11/16/20 07:58	11/17/20 20:39	1
Benzo[k]fluoranthene	190	U	190	25	ug/Kg	☼	11/16/20 07:58	11/17/20 20:39	1
Chrysene	190	U	190	43	ug/Kg	☼	11/16/20 07:58	11/17/20 20:39	1
Dibenz(a,h)anthracene	190	U	190	34	ug/Kg	☼	11/16/20 07:58	11/17/20 20:39	1
Fluoranthene	190	U	190	20	ug/Kg	☼	11/16/20 07:58	11/17/20 20:39	1
Fluorene	190	U	190	23	ug/Kg	☼	11/16/20 07:58	11/17/20 20:39	1
Indeno[1,2,3-cd]pyrene	190	U	190	24	ug/Kg	☼	11/16/20 07:58	11/17/20 20:39	1
Naphthalene	**130**	**J**	190	25	ug/Kg	☼	11/16/20 07:58	11/17/20 20:39	1
Phenanthrene	190	U	190	28	ug/Kg	☼	11/16/20 07:58	11/17/20 20:39	1
Pyrene	190	U	190	23	ug/Kg	☼	11/16/20 07:58	11/17/20 20:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*90*		*60 - 120*	*11/16/20 07:58*	*11/17/20 20:39*	*1*
Nitrobenzene-d5 (Surr)	*80*		*53 - 120*	*11/16/20 07:58*	*11/17/20 20:39*	*1*
p-Terphenyl-d14 (Surr)	*104*		*79 - 130*	*11/16/20 07:58*	*11/17/20 20:39*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	**21.5**		0.60	0.24	mg/Kg	☼	11/18/20 15:33	11/20/20 14:50	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	1.1	U	1.1	0.52	mg/Kg	☼	11/11/20 17:09	11/12/20 16:07	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**12.3**		0.1	0.1	%			11/11/20 16:59	1
Percent Solids	**87.7**		0.1	0.1	%			11/11/20 16:59	1

Surrogate Summary

Client: Parsons Corporation
Project/Site: Honeywell - Tonawanda Plastics

Job ID: 480-177875-1

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

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
		DCA	BFB	DBFM	TOL
Lab Sample ID	Client Sample ID	(64-126)	(72-126)	(60-140)	(71-125)
480-177875-1	B-18-11092020-4.5-5.0	118	83	102	95
480-177875-3	B-20-11092020-6.1-6.6	115	86	101	97
480-177875-4	B-19-11092020-4.5-5.0	126	86	102	94
LCS 480-558571/1-A	Lab Control Sample	105	98	93	96
MB 480-558571/2-A	Method Blank	120	84	104	95

Surrogate Legend

DCA = 1,2-Dichloroethane-d4 (Surr)
BFB = 4-Bromofluorobenzene (Surr)
DBFM = Dibromofluoromethane (Surr)
TOL = Toluene-d8 (Surr)

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

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
		DCA	BFB	DBFM	TOL
Lab Sample ID	Client Sample ID	(53-146)	(49-148)	(60-140)	(50-149)
480-177875-2	B-18-11092020-0.9-1.4	107	112	116	105
LCS 480-558324/1-A	Lab Control Sample	105	108	114	105
MB 480-558324/2-A	Method Blank	108	106	110	99

Surrogate Legend

DCA = 1,2-Dichloroethane-d4 (Surr)
BFB = 4-Bromofluorobenzene (Surr)
DBFM = Dibromofluoromethane (Surr)
TOL = Toluene-d8 (Surr)

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

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)		
		FBP	NBZ	TPHd14
Lab Sample ID	Client Sample ID	(60-120)	(53-120)	(79-130)
480-177875-1	B-18-11092020-4.5-5.0	94	83	102
480-177875-2	B-18-11092020-0.9-1.4	0 X	0 X	0 X
480-177875-3	B-20-11092020-6.1-6.6	104	86	107
480-177875-4	B-19-11092020-4.5-5.0	90	80	104
LCS 480-559204/2-A	Lab Control Sample	99	89	103
MB 480-559204/1-A	Method Blank	98	86	112

Surrogate Legend

FBP = 2-Fluorobiphenyl
NBZ = Nitrobenzene-d5 (Surr)
TPHd14 = p-Terphenyl-d14 (Surr)

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

Lab Sample ID: MB 480-558324/2-A
Matrix: Solid
Analysis Batch: 558363

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 558324

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	100	U	100	28	ug/Kg		11/10/20 12:31	11/10/20 21:50	1
1,1,2,2-Tetrachloroethane	100	U	100	16	ug/Kg		11/10/20 12:31	11/10/20 21:50	1
1,1,2-Trichloro-1,2,2-trifluoroethane	100	U	100	50	ug/Kg		11/10/20 12:31	11/10/20 21:50	1
1,1,2-Trichloroethane	100	U	100	21	ug/Kg		11/10/20 12:31	11/10/20 21:50	1
1,1-Dichloroethane	100	U	100	31	ug/Kg		11/10/20 12:31	11/10/20 21:50	1
1,1-Dichloroethene	100	U	100	35	ug/Kg		11/10/20 12:31	11/10/20 21:50	1
1,2,4-Trichlorobenzene	100	U	100	38	ug/Kg		11/10/20 12:31	11/10/20 21:50	1
1,2-Dibromo-3-Chloropropane	100	U	100	50	ug/Kg		11/10/20 12:31	11/10/20 21:50	1
1,2-Dichlorobenzene	100	U	100	26	ug/Kg		11/10/20 12:31	11/10/20 21:50	1
1,2-Dichloroethane	100	U	100	41	ug/Kg		11/10/20 12:31	11/10/20 21:50	1
1,2-Dichloropropane	100	U	100	16	ug/Kg		11/10/20 12:31	11/10/20 21:50	1
1,3-Dichlorobenzene	100	U	100	27	ug/Kg		11/10/20 12:31	11/10/20 21:50	1
1,4-Dichlorobenzene	100	U	100	14	ug/Kg		11/10/20 12:31	11/10/20 21:50	1
2-Butanone (MEK)	500	U	500	300	ug/Kg		11/10/20 12:31	11/10/20 21:50	1
2-Hexanone	500	U	500	210	ug/Kg		11/10/20 12:31	11/10/20 21:50	1
4-Methyl-2-pentanone (MIBK)	500	U	500	32	ug/Kg		11/10/20 12:31	11/10/20 21:50	1
Acetone	500	U	500	410	ug/Kg		11/10/20 12:31	11/10/20 21:50	1
Benzene	100	U	100	19	ug/Kg		11/10/20 12:31	11/10/20 21:50	1
Bromoform	100	U	100	50	ug/Kg		11/10/20 12:31	11/10/20 21:50	1
Bromomethane	100	U	100	22	ug/Kg		11/10/20 12:31	11/10/20 21:50	1
Carbon disulfide	100	U	100	46	ug/Kg		11/10/20 12:31	11/10/20 21:50	1
Carbon tetrachloride	100	U	100	26	ug/Kg		11/10/20 12:31	11/10/20 21:50	1
Chlorobenzene	100	U	100	13	ug/Kg		11/10/20 12:31	11/10/20 21:50	1
Chloroethane	100	U	100	21	ug/Kg		11/10/20 12:31	11/10/20 21:50	1
Chloroform	100	U	100	69	ug/Kg		11/10/20 12:31	11/10/20 21:50	1
Chloromethane	100	U	100	24	ug/Kg		11/10/20 12:31	11/10/20 21:50	1
cis-1,2-Dichloroethene	100	U	100	28	ug/Kg		11/10/20 12:31	11/10/20 21:50	1
Bromodichloromethane	100	U	100	20	ug/Kg		11/10/20 12:31	11/10/20 21:50	1
Cyclohexane	100	U	100	22	ug/Kg		11/10/20 12:31	11/10/20 21:50	1
Dibromochloromethane	100	U	100	48	ug/Kg		11/10/20 12:31	11/10/20 21:50	1
1,2-Dibromoethane	100	U	100	18	ug/Kg		11/10/20 12:31	11/10/20 21:50	1
Dichlorodifluoromethane	100	U	100	44	ug/Kg		11/10/20 12:31	11/10/20 21:50	1
Ethylbenzene	100	U	100	29	ug/Kg		11/10/20 12:31	11/10/20 21:50	1
Isopropylbenzene	100	U	100	15	ug/Kg		11/10/20 12:31	11/10/20 21:50	1
Methyl acetate	500	U	500	48	ug/Kg		11/10/20 12:31	11/10/20 21:50	1
Methyl tert-butyl ether	100	U	100	38	ug/Kg		11/10/20 12:31	11/10/20 21:50	1
Methylcyclohexane	100	U	100	47	ug/Kg		11/10/20 12:31	11/10/20 21:50	1
Methylene Chloride	100	U	100	20	ug/Kg		11/10/20 12:31	11/10/20 21:50	1
Tetrachloroethene	100	U	100	13	ug/Kg		11/10/20 12:31	11/10/20 21:50	1
Toluene	100	U	100	27	ug/Kg		11/10/20 12:31	11/10/20 21:50	1
trans-1,2-Dichloroethene	100	U	100	24	ug/Kg		11/10/20 12:31	11/10/20 21:50	1
trans-1,3-Dichloropropene	100	U	100	9.8	ug/Kg		11/10/20 12:31	11/10/20 21:50	1
Trichloroethene	100	U	100	28	ug/Kg		11/10/20 12:31	11/10/20 21:50	1
cis-1,3-Dichloropropene	100	U	100	24	ug/Kg		11/10/20 12:31	11/10/20 21:50	1
Trichlorofluoromethane	100	U	100	47	ug/Kg		11/10/20 12:31	11/10/20 21:50	1
Styrene	100	U	100	24	ug/Kg		11/10/20 12:31	11/10/20 21:50	1
Vinyl chloride	100	U	100	34	ug/Kg		11/10/20 12:31	11/10/20 21:50	1
Xylenes, Total	200	U	200	55	ug/Kg		11/10/20 12:31	11/10/20 21:50	1

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

Lab Sample ID: MB 480-558324/2-A
Matrix: Solid
Analysis Batch: 558363

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 558324

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	*108*		*53 - 146*	*11/10/20 12:31*	*11/10/20 21:50*	*1*
4-Bromofluorobenzene (Surr)	*106*		*49 - 148*	*11/10/20 12:31*	*11/10/20 21:50*	*1*
Toluene-d8 (Surr)	*99*		*50 - 149*	*11/10/20 12:31*	*11/10/20 21:50*	*1*
Dibromofluoromethane (Surr)	*110*		*60 - 140*	*11/10/20 12:31*	*11/10/20 21:50*	*1*

Lab Sample ID: LCS 480-558324/1-A
Matrix: Solid
Analysis Batch: 558363

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 558324

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	2500	3040		ug/Kg		122	68 - 130
1,1,2,2-Tetrachloroethane	2500	2560		ug/Kg		102	73 - 120
1,1,2-Trichloro-1,2,2-trifluoroethane	2500	2570		ug/Kg		103	10 - 179
1,1,2-Trichloroethane	2500	2730		ug/Kg		109	80 - 120
1,1-Dichloroethane	2500	2790		ug/Kg		112	78 - 121
1,1-Dichloroethene	2500	2510		ug/Kg		100	48 - 133
1,2,4-Trichlorobenzene	2500	2990		ug/Kg		120	70 - 140
1,2-Dibromo-3-Chloropropane	2500	2450		ug/Kg		98	56 - 122
1,2-Dichlorobenzene	2500	2750		ug/Kg		110	78 - 125
1,2-Dichloroethane	2500	2820		ug/Kg		113	74 - 127
1,2-Dichloropropane	2500	2850		ug/Kg		114	80 - 120
1,3-Dichlorobenzene	2500	2740		ug/Kg		110	80 - 120
1,4-Dichlorobenzene	2500	2670		ug/Kg		107	80 - 120
2-Butanone (MEK)	12500	11900		ug/Kg		95	54 - 149
2-Hexanone	12500	11900		ug/Kg		95	59 - 127
4-Methyl-2-pentanone (MIBK)	12500	12000		ug/Kg		96	74 - 120
Acetone	12500	11500		ug/Kg		92	47 - 141
Benzene	2500	2850		ug/Kg		114	77 - 125
Bromoform	2500	2680		ug/Kg		107	48 - 125
Bromomethane	2500	2270		ug/Kg		91	39 - 149
Carbon disulfide	2500	2600		ug/Kg		104	40 - 136
Carbon tetrachloride	2500	2980		ug/Kg		119	54 - 135
Chlorobenzene	2500	2970		ug/Kg		119	76 - 126
Chloroethane	2500	1820		ug/Kg		73	23 - 150
Chloroform	2500	2840		ug/Kg		114	78 - 120
Chloromethane	2500	2310		ug/Kg		93	61 - 124
cis-1,2-Dichloroethene	2500	2860		ug/Kg		115	79 - 124
Bromodichloromethane	2500	2770		ug/Kg		111	71 - 121
Cyclohexane	2500	2710		ug/Kg		108	49 - 129
Dibromochloromethane	2500	2810		ug/Kg		112	64 - 120
1,2-Dibromoethane	2500	2930		ug/Kg		117	80 - 120
Dichlorodifluoromethane	2500	2570		ug/Kg		103	10 - 150
Ethylbenzene	2500	2810		ug/Kg		112	78 - 124
Isopropylbenzene	2500	2760		ug/Kg		110	76 - 120
Methyl acetate	5000	5280		ug/Kg		106	71 - 123
Methyl tert-butyl ether	2500	2710		ug/Kg		108	67 - 137
Methylcyclohexane	2500	2880		ug/Kg		115	50 - 130
Methylene Chloride	2500	2870		ug/Kg		115	75 - 118

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

Lab Sample ID: LCS 480-558324/1-A
Client Sample ID: Lab Control Sample
Matrix: Solid
Prep Type: Total/NA
Analysis Batch: 558363
Prep Batch: 558324

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Tetrachloroethene	2500	3180		ug/Kg		127	73 - 133
Toluene	2500	2890		ug/Kg		115	75 - 124
trans-1,2-Dichloroethene	2500	2980		ug/Kg		119	74 - 129
Trichloroethene	2500	2910		ug/Kg		117	75 - 131
cis-1,3-Dichloropropene	2500	2660		ug/Kg		107	75 - 121
Trichlorofluoromethane	2500	2850		ug/Kg		114	29 - 158
Styrene	2500	2940		ug/Kg		118	80 - 120
Vinyl chloride	2500	2390		ug/Kg		96	59 - 124

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*105*		*53 - 146*
4-Bromofluorobenzene (Surr)	*108*		*49 - 148*
Toluene-d8 (Surr)	*105*		*50 - 149*
Dibromofluoromethane (Surr)	*114*		*60 - 140*

Lab Sample ID: MB 480-558571/2-A
Client Sample ID: Method Blank
Matrix: Solid
Prep Type: Total/NA
Analysis Batch: 558464
Prep Batch: 558571

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	5.0	U	5.0	0.36	ug/Kg		11/11/20 11:37	11/11/20 12:32	1
1,1,2,2-Tetrachloroethane	5.0	U	5.0	0.81	ug/Kg		11/11/20 11:37	11/11/20 12:32	1
1,1,2-Trichloro-1,2,2-trifluoroethane	5.0	U	5.0	1.1	ug/Kg		11/11/20 11:37	11/11/20 12:32	1
1,1,2-Trichloroethane	5.0	U	5.0	0.65	ug/Kg		11/11/20 11:37	11/11/20 12:32	1
1,1-Dichloroethane	5.0	U	5.0	0.61	ug/Kg		11/11/20 11:37	11/11/20 12:32	1
1,1-Dichloroethene	5.0	U	5.0	0.61	ug/Kg		11/11/20 11:37	11/11/20 12:32	1
1,2,4-Trichlorobenzene	5.0	U	5.0	0.30	ug/Kg		11/11/20 11:37	11/11/20 12:32	1
1,2-Dibromo-3-Chloropropane	5.0	U	5.0	2.5	ug/Kg		11/11/20 11:37	11/11/20 12:32	1
1,2-Dichlorobenzene	5.0	U	5.0	0.39	ug/Kg		11/11/20 11:37	11/11/20 12:32	1
1,2-Dichloroethane	5.0	U	5.0	0.25	ug/Kg		11/11/20 11:37	11/11/20 12:32	1
1,2-Dichloropropane	5.0	U	5.0	2.5	ug/Kg		11/11/20 11:37	11/11/20 12:32	1
1,3-Dichlorobenzene	5.0	U	5.0	0.26	ug/Kg		11/11/20 11:37	11/11/20 12:32	1
1,4-Dichlorobenzene	5.0	U	5.0	0.70	ug/Kg		11/11/20 11:37	11/11/20 12:32	1
2-Butanone (MEK)	25	U	25	1.8	ug/Kg		11/11/20 11:37	11/11/20 12:32	1
2-Hexanone	25	U	25	2.5	ug/Kg		11/11/20 11:37	11/11/20 12:32	1
4-Methyl-2-pentanone (MIBK)	25	U	25	1.6	ug/Kg		11/11/20 11:37	11/11/20 12:32	1
Acetone	25	U	25	4.2	ug/Kg		11/11/20 11:37	11/11/20 12:32	1
Benzene	5.0	U	5.0	0.25	ug/Kg		11/11/20 11:37	11/11/20 12:32	1
Bromoform	5.0	U	5.0	2.5	ug/Kg		11/11/20 11:37	11/11/20 12:32	1
Bromomethane	5.0	U	5.0	0.45	ug/Kg		11/11/20 11:37	11/11/20 12:32	1
Carbon disulfide	5.0	U	5.0	2.5	ug/Kg		11/11/20 11:37	11/11/20 12:32	1
Carbon tetrachloride	5.0	U	5.0	0.48	ug/Kg		11/11/20 11:37	11/11/20 12:32	1
Chlorobenzene	5.0	U	5.0	0.66	ug/Kg		11/11/20 11:37	11/11/20 12:32	1
Chloroethane	5.0	U	5.0	1.1	ug/Kg		11/11/20 11:37	11/11/20 12:32	1
Chloroform	5.0	U	5.0	0.31	ug/Kg		11/11/20 11:37	11/11/20 12:32	1
Chloromethane	5.0	U	5.0	0.30	ug/Kg		11/11/20 11:37	11/11/20 12:32	1
cis-1,2-Dichloroethene	5.0	U	5.0	0.64	ug/Kg		11/11/20 11:37	11/11/20 12:32	1
Bromodichloromethane	5.0	U	5.0	0.67	ug/Kg		11/11/20 11:37	11/11/20 12:32	1

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

Lab Sample ID: MB 480-558571/2-A
Matrix: Solid
Analysis Batch: 558464

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 558571

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyclohexane	5.0	U	5.0	0.70	ug/Kg		11/11/20 11:37	11/11/20 12:32	1
Dibromochloromethane	5.0	U	5.0	0.64	ug/Kg		11/11/20 11:37	11/11/20 12:32	1
1,2-Dibromoethane	5.0	U	5.0	0.64	ug/Kg		11/11/20 11:37	11/11/20 12:32	1
Dichlorodifluoromethane	5.0	U	5.0	0.41	ug/Kg		11/11/20 11:37	11/11/20 12:32	1
Ethylbenzene	5.0	U	5.0	0.35	ug/Kg		11/11/20 11:37	11/11/20 12:32	1
Isopropylbenzene	5.0	U	5.0	0.75	ug/Kg		11/11/20 11:37	11/11/20 12:32	1
Methyl acetate	25	U	25	3.0	ug/Kg		11/11/20 11:37	11/11/20 12:32	1
Methyl tert-butyl ether	5.0	U	5.0	0.49	ug/Kg		11/11/20 11:37	11/11/20 12:32	1
Methylcyclohexane	5.0	U	5.0	0.76	ug/Kg		11/11/20 11:37	11/11/20 12:32	1
Methylene Chloride	5.0	U	5.0	2.3	ug/Kg		11/11/20 11:37	11/11/20 12:32	1
Tetrachloroethene	5.0	U	5.0	0.67	ug/Kg		11/11/20 11:37	11/11/20 12:32	1
Toluene	5.0	U	5.0	0.38	ug/Kg		11/11/20 11:37	11/11/20 12:32	1
trans-1,2-Dichloroethene	5.0	U	5.0	0.52	ug/Kg		11/11/20 11:37	11/11/20 12:32	1
trans-1,3-Dichloropropene	5.0	U	5.0	2.2	ug/Kg		11/11/20 11:37	11/11/20 12:32	1
Trichloroethene	1.32	J	5.0	1.1	ug/Kg		11/11/20 11:37	11/11/20 12:32	1
cis-1,3-Dichloropropene	5.0	U	5.0	0.72	ug/Kg		11/11/20 11:37	11/11/20 12:32	1
Trichlorofluoromethane	5.0	U	5.0	0.47	ug/Kg		11/11/20 11:37	11/11/20 12:32	1
Styrene	5.0	U	5.0	0.25	ug/Kg		11/11/20 11:37	11/11/20 12:32	1
Vinyl chloride	5.0	U	5.0	0.61	ug/Kg		11/11/20 11:37	11/11/20 12:32	1
Xylenes, Total	10	U	10	0.84	ug/Kg		11/11/20 11:37	11/11/20 12:32	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*120*		*64 - 126*	*11/11/20 11:37*	*11/11/20 12:32*	*1*
4-Bromofluorobenzene (Surr)	*84*		*72 - 126*	*11/11/20 11:37*	*11/11/20 12:32*	*1*
Toluene-d8 (Surr)	*95*		*71 - 125*	*11/11/20 11:37*	*11/11/20 12:32*	*1*
Dibromofluoromethane (Surr)	*104*		*60 - 140*	*11/11/20 11:37*	*11/11/20 12:32*	*1*

Lab Sample ID: LCS 480-558571/1-A
Matrix: Solid
Analysis Batch: 558464

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 558571

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	50.0	48.0		ug/Kg		96	77 - 121
1,1,2,2-Tetrachloroethane	50.0	41.8		ug/Kg		84	80 - 120
1,1,2-Trichloro-1,2,2-trifluoroethane	50.0	48.6		ug/Kg		97	60 - 140
1,1,2-Trichloroethane	50.0	44.0		ug/Kg		88	78 - 122
1,1-Dichloroethane	50.0	49.9		ug/Kg		100	73 - 126
1,1-Dichloroethene	50.0	48.2		ug/Kg		96	59 - 125
1,2,4-Trichlorobenzene	50.0	41.6		ug/Kg		83	64 - 120
1,2-Dibromo-3-Chloropropane	50.0	42.6		ug/Kg		85	63 - 124
1,2-Dichlorobenzene	50.0	43.7		ug/Kg		87	75 - 120
1,2-Dichloroethane	50.0	50.4		ug/Kg		101	77 - 122
1,2-Dichloropropane	50.0	48.8		ug/Kg		98	75 - 124
1,3-Dichlorobenzene	50.0	45.2		ug/Kg		90	74 - 120
1,4-Dichlorobenzene	50.0	44.6		ug/Kg		89	73 - 120
2-Butanone (MEK)	250	248		ug/Kg		99	70 - 134
2-Hexanone	250	247		ug/Kg		99	59 - 130
4-Methyl-2-pentanone (MIBK)	250	242		ug/Kg		97	65 - 133

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

Lab Sample ID: LCS 480-558571/1-A
Matrix: Solid
Analysis Batch: 558464

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 558571

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	250	304		ug/Kg		122	61 - 137
Benzene	50.0	45.8		ug/Kg		92	79 - 127
Bromoform	50.0	47.5		ug/Kg		95	68 - 126
Bromomethane	50.0	85.7	*	ug/Kg		171	37 - 149
Carbon disulfide	50.0	56.5		ug/Kg		113	64 - 131
Carbon tetrachloride	50.0	46.5		ug/Kg		93	75 - 135
Chlorobenzene	50.0	44.8		ug/Kg		90	76 - 124
Chloroethane	50.0	76.3	*	ug/Kg		153	69 - 135
Chloroform	50.0	46.4		ug/Kg		93	80 - 120
Chloromethane	50.0	60.0		ug/Kg		120	63 - 127
cis-1,2-Dichloroethene	50.0	43.5		ug/Kg		87	81 - 120
Bromodichloromethane	50.0	53.7		ug/Kg		107	80 - 122
Cyclohexane	50.0	44.2		ug/Kg		88	65 - 120
Dibromochloromethane	50.0	45.7		ug/Kg		91	76 - 125
1,2-Dibromoethane	50.0	41.8		ug/Kg		84	78 - 120
Dichlorodifluoromethane	50.0	42.8		ug/Kg		86	57 - 142
Ethylbenzene	50.0	46.1		ug/Kg		92	80 - 120
Isopropylbenzene	50.0	43.2		ug/Kg		86	72 - 120
Methyl acetate	100	108		ug/Kg		108	55 - 136
Methyl tert-butyl ether	50.0	47.7		ug/Kg		95	63 - 125
Methylcyclohexane	50.0	44.8		ug/Kg		90	60 - 140
Methylene Chloride	50.0	36.3		ug/Kg		73	61 - 127
Tetrachloroethene	50.0	39.2		ug/Kg		78	74 - 122
Toluene	50.0	44.8		ug/Kg		90	74 - 128
trans-1,2-Dichloroethene	50.0	44.9		ug/Kg		90	78 - 126
Trichloroethene	50.0	47.1		ug/Kg		94	77 - 129
cis-1,3-Dichloropropene	50.0	50.0		ug/Kg		100	80 - 120
Trichlorofluoromethane	50.0	62.0		ug/Kg		124	65 - 146
Styrene	50.0	46.4		ug/Kg		93	80 - 120
Vinyl chloride	50.0	61.6		ug/Kg		123	61 - 133

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*105*		*64 - 126*
4-Bromofluorobenzene (Surr)	*98*		*72 - 126*
Toluene-d8 (Surr)	*96*		*71 - 125*
Dibromofluoromethane (Surr)	*93*		*60 - 140*

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

Lab Sample ID: MB 480-559204/1-A
Matrix: Solid
Analysis Batch: 559510

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 559204

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	170	U	170	25	ug/Kg		11/16/20 07:58	11/17/20 16:31	1
Acenaphthylene	170	U	170	22	ug/Kg		11/16/20 07:58	11/17/20 16:31	1
Anthracene	170	U	170	41	ug/Kg		11/16/20 07:58	11/17/20 16:31	1
Benzo[a]anthracene	170	U	170	17	ug/Kg		11/16/20 07:58	11/17/20 16:31	1
Benzo[a]pyrene	170	U	170	25	ug/Kg		11/16/20 07:58	11/17/20 16:31	1

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

Lab Sample ID: MB 480-559204/1-A
Matrix: Solid
Analysis Batch: 559510

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 559204

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[b]fluoranthene	170	U	170	27	ug/Kg		11/16/20 07:58	11/17/20 16:31	1
Benzo[g,h,i]perylene	170	U	170	18	ug/Kg		11/16/20 07:58	11/17/20 16:31	1
Benzo[k]fluoranthene	170	U	170	22	ug/Kg		11/16/20 07:58	11/17/20 16:31	1
Chrysene	170	U	170	38	ug/Kg		11/16/20 07:58	11/17/20 16:31	1
Dibenz(a,h)anthracene	170	U	170	30	ug/Kg		11/16/20 07:58	11/17/20 16:31	1
Fluoranthene	170	U	170	18	ug/Kg		11/16/20 07:58	11/17/20 16:31	1
Fluorene	170	U	170	20	ug/Kg		11/16/20 07:58	11/17/20 16:31	1
Indeno[1,2,3-cd]pyrene	170	U	170	21	ug/Kg		11/16/20 07:58	11/17/20 16:31	1
Naphthalene	170	U	170	22	ug/Kg		11/16/20 07:58	11/17/20 16:31	1
Phenanthrene	170	U	170	25	ug/Kg		11/16/20 07:58	11/17/20 16:31	1
Pyrene	170	U	170	20	ug/Kg		11/16/20 07:58	11/17/20 16:31	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*98*		*60 - 120*	*11/16/20 07:58*	*11/17/20 16:31*	*1*
Nitrobenzene-d5 (Surr)	*86*		*53 - 120*	*11/16/20 07:58*	*11/17/20 16:31*	*1*
p-Terphenyl-d14 (Surr)	*112*		*79 - 130*	*11/16/20 07:58*	*11/17/20 16:31*	*1*

Lab Sample ID: LCS 480-559204/2-A
Matrix: Solid
Analysis Batch: 559510

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 559204

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acenaphthene	1650	1620		ug/Kg		98	62 - 120
Acenaphthylene	1650	1710		ug/Kg		103	58 - 121
Anthracene	1650	1800		ug/Kg		109	62 - 120
Benzo[a]anthracene	1650	1620		ug/Kg		98	65 - 120
Benzo[a]pyrene	1650	1850		ug/Kg		112	64 - 120
Benzo[b]fluoranthene	1650	1910		ug/Kg		116	64 - 120
Benzo[g,h,i]perylene	1650	1830		ug/Kg		111	45 - 145
Benzo[k]fluoranthene	1650	1730		ug/Kg		105	65 - 120
Chrysene	1650	1600		ug/Kg		97	64 - 120
Dibenz(a,h)anthracene	1650	1830		ug/Kg		110	54 - 132
Fluoranthene	1650	1910		ug/Kg		115	62 - 120
Fluorene	1650	1730		ug/Kg		105	63 - 120
Indeno[1,2,3-cd]pyrene	1650	1790		ug/Kg		108	56 - 134
Naphthalene	1650	1450		ug/Kg		88	55 - 120
Phenanthrene	1650	1720		ug/Kg		104	60 - 120
Pyrene	1650	1590		ug/Kg		96	61 - 133

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl	*99*		*60 - 120*
Nitrobenzene-d5 (Surr)	*89*		*53 - 120*
p-Terphenyl-d14 (Surr)	*103*		*79 - 130*

Client: Parsons Corporation
Job ID: 480-177875-1
Project/Site: Honeywell - Tonawanda Plastics

Method: 9012B - Cyanide, Total andor Amenable

Lab Sample ID: MB 480-558634/1-A
Matrix: Solid
Analysis Batch: 558835

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 558634

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	0.97	U	0.97	0.47	mg/Kg		11/11/20 17:09	11/12/20 15:46	1

Lab Sample ID: LCSSRM 480-558634/2-A ^5
Matrix: Solid
Analysis Batch: 558835

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 558634

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec. Limits
Cyanide, Total	23.1	16.63		mg/Kg		72.0	17.0 - 162.8

QC Association Summary

Client: Parsons Corporation
Project/Site: Honeywell - Tonawanda Plastics

Job ID: 480-177875-1

GC/MS VOA

Prep Batch: 558324

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-177875-2	B-18-11092020-0.9-1.4	Total/NA	Solid	5035A_H	
MB 480-558324/2-A	Method Blank	Total/NA	Solid	5035A_H	
LCS 480-558324/1-A	Lab Control Sample	Total/NA	Solid	5035A_H	

Analysis Batch: 558363

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 480-558324/2-A	Method Blank	Total/NA	Solid	8260C	558324
LCS 480-558324/1-A	Lab Control Sample	Total/NA	Solid	8260C	558324

Analysis Batch: 558464

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-177875-1	B-18-11092020-4.5-5.0	Total/NA	Solid	8260C	558571
480-177875-3	B-20-11092020-6.1-6.6	Total/NA	Solid	8260C	558571
480-177875-4	B-19-11092020-4.5-5.0	Total/NA	Solid	8260C	558571
MB 480-558571/2-A	Method Blank	Total/NA	Solid	8260C	558571
LCS 480-558571/1-A	Lab Control Sample	Total/NA	Solid	8260C	558571

Analysis Batch: 558565

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-177875-2	B-18-11092020-0.9-1.4	Total/NA	Solid	8260C	558324

Prep Batch: 558571

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-177875-1	B-18-11092020-4.5-5.0	Total/NA	Solid	5035A_L	
480-177875-3	B-20-11092020-6.1-6.6	Total/NA	Solid	5035A_L	
480-177875-4	B-19-11092020-4.5-5.0	Total/NA	Solid	5035A_L	
MB 480-558571/2-A	Method Blank	Total/NA	Solid	5035A_L	
LCS 480-558571/1-A	Lab Control Sample	Total/NA	Solid	5035A_L	

GC/MS Semi VOA

Prep Batch: 559204

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-177875-1	B-18-11092020-4.5-5.0	Total/NA	Solid	3550C	
480-177875-2	B-18-11092020-0.9-1.4	Total/NA	Solid	3550C	
480-177875-3	B-20-11092020-6.1-6.6	Total/NA	Solid	3550C	
480-177875-4	B-19-11092020-4.5-5.0	Total/NA	Solid	3550C	
MB 480-559204/1-A	Method Blank	Total/NA	Solid	3550C	
LCS 480-559204/2-A	Lab Control Sample	Total/NA	Solid	3550C	

Analysis Batch: 559510

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-177875-1	B-18-11092020-4.5-5.0	Total/NA	Solid	8270D	559204
480-177875-2	B-18-11092020-0.9-1.4	Total/NA	Solid	8270D	559204
480-177875-3	B-20-11092020-6.1-6.6	Total/NA	Solid	8270D	559204
480-177875-4	B-19-11092020-4.5-5.0	Total/NA	Solid	8270D	559204
MB 480-559204/1-A	Method Blank	Total/NA	Solid	8270D	559204
LCS 480-559204/2-A	Lab Control Sample	Total/NA	Solid	8270D	559204

QC Association Summary

Client: Parsons Corporation
Job ID: 480-177875-1
Project/Site: Honeywell - Tonawanda Plastics

Metals

Prep Batch: 559773

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-177875-1	B-18-11092020-4.5-5.0	Total/NA	Solid	3050B	
480-177875-2	B-18-11092020-0.9-1.4	Total/NA	Solid	3050B	
480-177875-3	B-20-11092020-6.1-6.6	Total/NA	Solid	3050B	
480-177875-4	B-19-11092020-4.5-5.0	Total/NA	Solid	3050B	

Analysis Batch: 560303

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-177875-1	B-18-11092020-4.5-5.0	Total/NA	Solid	6010C	559773
480-177875-2	B-18-11092020-0.9-1.4	Total/NA	Solid	6010C	559773
480-177875-3	B-20-11092020-6.1-6.6	Total/NA	Solid	6010C	559773
480-177875-4	B-19-11092020-4.5-5.0	Total/NA	Solid	6010C	559773

General Chemistry

Analysis Batch: 558630

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-177875-1	B-18-11092020-4.5-5.0	Total/NA	Solid	Moisture	
480-177875-2	B-18-11092020-0.9-1.4	Total/NA	Solid	Moisture	
480-177875-3	B-20-11092020-6.1-6.6	Total/NA	Solid	Moisture	
480-177875-4	B-19-11092020-4.5-5.0	Total/NA	Solid	Moisture	

Prep Batch: 558634

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-177875-1	B-18-11092020-4.5-5.0	Total/NA	Solid	9012B	
480-177875-2	B-18-11092020-0.9-1.4	Total/NA	Solid	9012B	
480-177875-3	B-20-11092020-6.1-6.6	Total/NA	Solid	9012B	
480-177875-4	B-19-11092020-4.5-5.0	Total/NA	Solid	9012B	
MB 480-558634/1-A	Method Blank	Total/NA	Solid	9012B	
LCSSRM 480-558634/2-A ^5	Lab Control Sample	Total/NA	Solid	9012B	

Analysis Batch: 558835

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-177875-1	B-18-11092020-4.5-5.0	Total/NA	Solid	9012B	558634
480-177875-2	B-18-11092020-0.9-1.4	Total/NA	Solid	9012B	558634
480-177875-3	B-20-11092020-6.1-6.6	Total/NA	Solid	9012B	558634
480-177875-4	B-19-11092020-4.5-5.0	Total/NA	Solid	9012B	558634
MB 480-558634/1-A	Method Blank	Total/NA	Solid	9012B	558634
LCSSRM 480-558634/2-A ^5	Lab Control Sample	Total/NA	Solid	9012B	558634

Lab Chronicle

Client: Parsons Corporation
Job ID: 480-177875-1
Project/Site: Honeywell - Tonawanda Plastics

Client Sample ID: B-18-11092020-4.5-5.0
Lab Sample ID: 480-177875-1
Date Collected: 11/09/20 15:45
Matrix: Solid
Date Received: 11/09/20 17:05

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	558630	11/11/20 16:59	GSR	TAL BUF

Client Sample ID: B-18-11092020-4.5-5.0
Lab Sample ID: 480-177875-1
Date Collected: 11/09/20 15:45
Matrix: Solid
Date Received: 11/09/20 17:05
Percent Solids: 81.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_L			558571	11/11/20 11:37	WJD	TAL BUF
Total/NA	Analysis	8260C		1	558464	11/11/20 14:03	CDC	TAL BUF
Total/NA	Prep	3550C			559204	11/16/20 07:58	VXF	TAL BUF
Total/NA	Analysis	8270D		1	559510	11/17/20 19:25	PJQ	TAL BUF
Total/NA	Prep	3050B			559773	11/18/20 15:33	ASD	TAL BUF
Total/NA	Analysis	6010C		1	560303	11/20/20 14:39	AMH	TAL BUF
Total/NA	Prep	9012B			558634	11/11/20 17:09	ALT	TAL BUF
Total/NA	Analysis	9012B		1	558835	11/12/20 16:03	CRK	TAL BUF

Client Sample ID: B-18-11092020-0.9-1.4
Lab Sample ID: 480-177875-2
Date Collected: 11/09/20 15:15
Matrix: Solid
Date Received: 11/09/20 17:05

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	558630	11/11/20 16:59	GSR	TAL BUF

Client Sample ID: B-18-11092020-0.9-1.4
Lab Sample ID: 480-177875-2
Date Collected: 11/09/20 15:15
Matrix: Solid
Date Received: 11/09/20 17:05
Percent Solids: 85.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_H			558324	11/10/20 12:31	AMM	TAL BUF
Total/NA	Analysis	8260C		50	558565	11/11/20 23:01	AMM	TAL BUF
Total/NA	Prep	3550C			559204	11/16/20 07:58	VXF	TAL BUF
Total/NA	Analysis	8270D		50	559510	11/17/20 19:50	PJQ	TAL BUF
Total/NA	Prep	3050B			559773	11/18/20 15:33	ASD	TAL BUF
Total/NA	Analysis	6010C		1	560303	11/20/20 14:43	AMH	TAL BUF
Total/NA	Prep	9012B			558634	11/11/20 17:09	ALT	TAL BUF
Total/NA	Analysis	9012B		10	558835	11/12/20 16:23	CRK	TAL BUF

Client Sample ID: B-20-11092020-6.1-6.6
Lab Sample ID: 480-177875-3
Date Collected: 11/09/20 09:40
Matrix: Solid
Date Received: 11/09/20 17:05

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	558630	11/11/20 16:59	GSR	TAL BUF

Lab Chronicle

Client: Parsons Corporation
Job ID: 480-177875-1
Project/Site: Honeywell - Tonawanda Plastics

Client Sample ID: B-20-11092020-6.1-6.6
Lab Sample ID: 480-177875-3

Date Collected: 11/09/20 09:40
Matrix: Solid
Date Received: 11/09/20 17:05
Percent Solids: 75.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_L			558571	11/11/20 11:37	WJD	TAL BUF
Total/NA	Analysis	8260C		1	558464	11/11/20 14:28	CDC	TAL BUF
Total/NA	Prep	3550C			559204	11/16/20 07:58	VXF	TAL BUF
Total/NA	Analysis	8270D		1	559510	11/17/20 20:14	PJQ	TAL BUF
Total/NA	Prep	3050B			559773	11/18/20 15:33	ASD	TAL BUF
Total/NA	Analysis	6010C		1	560303	11/20/20 14:46	AMH	TAL BUF
Total/NA	Prep	9012B			558634	11/11/20 17:09	ALT	TAL BUF
Total/NA	Analysis	9012B		1	558835	11/12/20 16:06	CRK	TAL BUF

Client Sample ID: B-19-11092020-4.5-5.0
Lab Sample ID: 480-177875-4

Date Collected: 11/09/20 16:05
Matrix: Solid
Date Received: 11/09/20 17:05

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	558630	11/11/20 16:59	GSR	TAL BUF

Client Sample ID: B-19-11092020-4.5-5.0
Lab Sample ID: 480-177875-4

Date Collected: 11/09/20 16:05
Matrix: Solid
Date Received: 11/09/20 17:05
Percent Solids: 87.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_L			558571	11/11/20 11:37	WJD	TAL BUF
Total/NA	Analysis	8260C		1	558464	11/11/20 14:52	CDC	TAL BUF
Total/NA	Prep	3550C			559204	11/16/20 07:58	VXF	TAL BUF
Total/NA	Analysis	8270D		1	559510	11/17/20 20:39	PJQ	TAL BUF
Total/NA	Prep	3050B			559773	11/18/20 15:33	ASD	TAL BUF
Total/NA	Analysis	6010C		1	560303	11/20/20 14:50	AMH	TAL BUF
Total/NA	Prep	9012B			558634	11/11/20 17:09	ALT	TAL BUF
Total/NA	Analysis	9012B		1	558835	11/12/20 16:07	CRK	TAL BUF

Laboratory References:

TAL BUF = Eurofins TestAmerica, Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Accreditation/Certification Summary

Client: Parsons Corporation
Job ID: 480-177875-1
Project/Site: Honeywell - Tonawanda Plastics

Laboratory: Eurofins TestAmerica, Buffalo

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

Authority	Program	Identification Number	Expiration Date
New York	NELAP	10026	04-01-21

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
Moisture		Solid	Percent Moisture
Moisture		Solid	Percent Solids

Method Summary

Client: Parsons Corporation
Job ID: 480-177875-1
Project/Site: Honeywell - Tonawanda Plastics

Method	Method Description	Protocol	Laboratory
8260C	Volatile Organic Compounds by GC/MS	SW846	TAL BUF
8270D	Semivolatile Organic Compounds (GC/MS)	SW846	TAL BUF
6010C	Metals (ICP)	SW846	TAL BUF
9012B	Cyanide, Total andor Amenable	SW846	TAL BUF
Moisture	Percent Moisture	EPA	TAL BUF
3050B	Preparation, Metals	SW846	TAL BUF
3550C	Ultrasonic Extraction	SW846	TAL BUF
5035A_H	Closed System Purge and Trap	SW846	TAL BUF
5035A_L	Closed System Purge and Trap	SW846	TAL BUF
9012B	Cyanide, Total and/or Amenable, Distillation	SW846	TAL BUF

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 BUF = Eurofins TestAmerica, Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Sample Summary

Client: Parsons Corporation
Job ID: 480-177875-1
Project/Site: Honeywell - Tonawanda Plastics

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
480-177875-1	B-18-11092020-4.5-5.0	Solid	11/09/20 15:45	11/09/20 17:05	
480-177875-2	B-18-11092020-0.9-1.4	Solid	11/09/20 15:15	11/09/20 17:05	
480-177875-3	B-20-11092020-6.1-6.6	Solid	11/09/20 09:40	11/09/20 17:05	
480-177875-4	B-19-11092020-4.5-5.0	Solid	11/09/20 16:05	11/09/20 17:05	

Eurofins TestAmerica, Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Phone: 716-691-2600 Fax: 716-691-7991

Chain of Custody Record

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Client Information	Sampler:	Lab PM: Schove, John R	Carrier Tracking No(s):	COC No: 480-152727-33964.4
Client Contact: Mr. Jeff Poulsen	Phone:	E-Mail: John.Schove@Eurofinset.com		Page: Page 4 of 4
Company: Parsons Corporation		**Analysis Requested**		Job #:

Address: 180 Lawrence Bell Drive Suite 104	Due Date Requested:	
City: Williamsville	TAT Requested (days): STANDARD	
State, Zip: NY, 14221		
Phone:	PO #: Purchase Order Requested	
Email: jeffrey.poulsen@parsons.com	WO #:	
Project Name: Honeywell - Tonawanda Plastics	Project #: 48023001	
Site:	SSOW#:	

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - TCL VOCs	6010C, 9012B	8270D - PAH Semivolatiles	Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	N	N		
B-18_11092020-4.5-5.0	11/9/2020	15:45	G	Solid							
B-18_11092020-0.9-1.4	11/9/2020	15:15	G	Solid							
B-20_11092020-6.1-6.6	11/9/2020	09:40	G	Solid							
B-19_11092020-4.5-5.0	11/9/2020	16:05	G	Solid							
				Solid							
				Solid							
				Solid							

480-177875 Chain of Custody

Possible Hazard Identification
☐ *Non-Hazard* ☐ *Flammable* ☐ *Skin Irritant* ☐ *Poison B* ☐ *Unknown* ☐ *Radiological*

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1	Tayler Schweigel	11/9/2020 1655	Parsons	Katherine Bauer	11/9/2020 17:05	TA
2						
3						

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: 4.2 #1

Ver: 01/16/2019

Login Sample Receipt Checklist

Client: Parsons Corporation

Job Number: 480-177875-1

Login Number: 177875

List Source: Eurofins TestAmerica, Buffalo

List Number: 1

Creator: Sabuda, Brendan 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	4.2 #1 ICe
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	
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	True	
Chlorine Residual checked.	True	

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ANALYTICAL REPORT

Eurofins TestAmerica, Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Tel: (716)691-2600

Laboratory Job ID: 480-177968-1
Client Project/Site: Honeywell - Tonawanda Plastics

For:
Parsons Corporation
180 Lawrence Bell Drive
Suite 104
Williamsville, New York 14221

Attn: Mr. Jeff Poulsen

Authorized for release by:
11/25/2020 10:34:56 AM
Rebecca Jones, Project Management Assistant I
Rebecca.Jones@Eurofinset.com

Designee for

John Schove, Project Manager II
(716)504-9838
John.Schove@Eurofinset.com

Table of Contents

Definitions/Glossary

Client: Parsons Corporation
Job ID: 480-177968-1
Project/Site: Honeywell - Tonawanda Plastics

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*	LCS or LCSD is outside acceptance limits.
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.

GC/MS Semi VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
U	Indicates the analyte was analyzed for but not detected.
X	Surrogate recovery exceeds control limits

Metals

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.

General Chemistry

Qualifier	Qualifier Description
*	LCS or LCSD is outside acceptance limits.
F1	MS and/or MSD recovery exceeds control limits.
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.

Glossary

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

Glossary (Continued)

Abbreviation	These commonly used abbreviations may or may not be present in this report.
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Job ID: 480-177968-1

Laboratory: Eurofins TestAmerica, Buffalo

Narrative

Job Narrative
480-177968-1

Comments
No additional comments.

Receipt
The samples were received on 11/10/2020 6:00 PM; the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 3.3º C.

GC/MS VOA
Method 8260C: The laboratory control sample duplicate (LCSD) for preparation batch 480-558857 and analytical batch 480-558860 recovered outside control limits for the following analyte: Chloroethane. Chloroethane has been identified as a poor performing analyte when analyzed using this method; therefore, re-analysis was not performed. Batch precision also exceeded control limits for these analyte. These results have been reported and qualified. The following samples are affected: B-17-11102020-0.7-1.2 (480-177968-1), B-17-11102020-1.5-2.0 (480-177968-2) and B-15-11102020-1.3-1.8 (480-177968-3).

Method 8260C: The continuing calibration verification (CCV) associated with batch 480-558981 recovered outside acceptance criteria, low biased, for 2-Hexanone, Chloromethane, 4-Methyl-2-pentanone (MIBK) and 2-Butanone (MEK). A reporting limit (RL) standard was analyzed, and the target analyte was detected. Since the associated samples were non-detect for this analyte, the data have been reported.

Method 8260C: The following samples were analyzed using medium level soil analysis and diluted due to the abundance of non-target analytes: B-14-11102020-0.3-0.8 (480-177968-4), B-16-11102020-0.9-1.4 (480-177968-6) and B-30-11102020-0.5-1.0 (480-177968-9). Elevated reporting limits (RLs) are provided.

Method 8260C: The continuing calibration verification (CCV) associated with batch 480-559303 recovered above the upper control limit for Tetrachloroethene. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated sample is impacted: B-14-11102020-4.5-5.0 (480-177968-5).

Method 8260C: The continuing calibration verification (CCV) associated with batch 480-559303 recovered outside acceptance criteria, low biased, for Chloromethane. A reporting limit (RL) standard was analyzed, and the target analyte was detected. Since the associated samples were non-detect for this analyte, the data have been reported.

Method 8260C: The following sample was analyzed using medium level soil analysis and diluted due to the abundance of non-target analytes: B-16-11102020-2.5-3.0 (480-177968-7). Elevated reporting limits (RLs) are provided.

Method 8260C: The following sample was analyzed using medium level soil analysis due to the abundance of non-target analytes: B-14-11102020-4.5-5.0 (480-177968-5). Elevated reporting limits (RLs) are provided.

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

GC/MS Semi VOA
Method 8270D: The following samples were diluted due to color, appearance, and viscosity: B-14-11102020-0.3-0.8 (480-177968-4), B-14-11102020-4.5-5.0 (480-177968-5), B-16-11102020-0.9-1.4 (480-177968-6) and B-30-11102020-0.5-1.0 (480-177968-9). Elevated reporting limits (RL) are provided.

Method 8270D: The following samples were diluted due to the nature of the sample matrix: B-14-11102020-0.3-0.8 (480-177968-4), B-16-11102020-0.9-1.4 (480-177968-6) and B-30-11102020-0.5-1.0 (480-177968-9). As such, surrogate recoveries are below the calibration range or are not reported, and elevated reporting limits (RLs) are provided.

Method 8270D: The following samples were diluted to bring the concentration of target analytes within the calibration range: B-14-11102020-0.3-0.8 (480-177968-4), B-16-11102020-0.9-1.4 (480-177968-6) and B-30-11102020-0.5-1.0 (480-177968-9). Elevated reporting limits (RLs) are provided.

Job ID: 480-177968-1 (Continued)

Laboratory: Eurofins TestAmerica, Buffalo (Continued)

Method 8270D: The following samples were diluted due to the abundance of target analytes: B-14-11102020-0.3-0.8 (480-177968-4), B-16-11102020-0.9-1.4 (480-177968-6) and B-30-11102020-0.5-1.0 (480-177968-9). As such, surrogate recoveries are below the calibration range or are not reported, and elevated reporting limits (RLs) are provided.

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

Metals

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

General Chemistry

Method 9012B: The laboratory control sample (LCS) associated with preparation batch 480-560274 and analytical batch 480-560423 was outside acceptance criteria and is suspected to be bad. Re-extraction and/or re-analysis could not be performed; therefore, the data have been reported. The batch matrix spike/matrix spike duplicate (MS/MSD) was within acceptance limits and may be used to evaluate matrix performance.

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

Organic Prep

Method 3550C: Due to the matrix, the initial volume(s) used for the following samples deviated from the standard procedure: 8270 DB-14-11102020-0.3-0.8 (480-177968-4), B-16-11102020-0.9-1.4 (480-177968-6) and B-30-11102020-0.5-1.0 (480-177968-9). The reporting limits (RLs) have been adjusted proportionately.

Method 3550C: Due to the matrix, the following sample could not be concentrated to the final method required volume: B-14-11102020-0.3-0.8 (480-177968-4), B-16-11102020-0.9-1.4 (480-177968-6) and B-30-11102020-0.5-1.0 (480-177968-9). The reporting limits (RLs) are elevated proportionately.

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

Detection Summary

Client: Parsons Corporation
Project/Site: Honeywell - Tonawanda Plastics

Job ID: 480-177968-1

Client Sample ID: B-17-11102020-0.7-1.2 — Lab Sample ID: 480-177968-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	21	J	23	3.8	ug/Kg	1	☼	8260C	Total/NA
Toluene	0.62	J	4.6	0.34	ug/Kg	1	☼	8260C	Total/NA
Acenaphthylene	28	J	200	26	ug/Kg	1	☼	8270D	Total/NA
Benzo[a]anthracene	44	J	200	20	ug/Kg	1	☼	8270D	Total/NA
Benzo[a]pyrene	62	J	200	30	ug/Kg	1	☼	8270D	Total/NA
Benzo[b]fluoranthene	69	J	200	32	ug/Kg	1	☼	8270D	Total/NA
Benzo[g,h,i]perylene	38	J	200	22	ug/Kg	1	☼	8270D	Total/NA
Benzo[k]fluoranthene	28	J	200	26	ug/Kg	1	☼	8270D	Total/NA
Fluoranthene	80	J	200	22	ug/Kg	1	☼	8270D	Total/NA
Indeno[1,2,3-cd]pyrene	34	J	200	25	ug/Kg	1	☼	8270D	Total/NA
Naphthalene	77	J	200	26	ug/Kg	1	☼	8270D	Total/NA
Pyrene	57	J	200	24	ug/Kg	1	☼	8270D	Total/NA
Chromium	23.0		0.62	0.25	mg/Kg	1	☼	6010C	Total/NA

Client Sample ID: B-17-11102020-1.5-2.0 — Lab Sample ID: 480-177968-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	41		21	3.5	ug/Kg	1	☼	8260C	Total/NA
Naphthalene	38	J	200	26	ug/Kg	1	☼	8270D	Total/NA
Chromium	21.3		0.60	0.24	mg/Kg	1	☼	6010C	Total/NA

Client Sample ID: B-15-11102020-1.3-1.8 — Lab Sample ID: 480-177968-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	26		22	3.8	ug/Kg	1	☼	8260C	Total/NA
Fluoranthene	55	J	200	21	ug/Kg	1	☼	8270D	Total/NA
Naphthalene	60	J	200	25	ug/Kg	1	☼	8270D	Total/NA
Phenanthrene	35	J	200	29	ug/Kg	1	☼	8270D	Total/NA
Pyrene	27	J	200	23	ug/Kg	1	☼	8270D	Total/NA
Chromium	21.3		0.60	0.24	mg/Kg	1	☼	6010C	Total/NA

Client Sample ID: B-14-11102020-0.3-0.8 — Lab Sample ID: 480-177968-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	8700	J	10000	2000	ug/Kg	100	☼	8260C	Total/NA
Ethylbenzene	7100	J	10000	3000	ug/Kg	100	☼	8260C	Total/NA
Toluene	19000		10000	2800	ug/Kg	100	☼	8260C	Total/NA
Xylenes, Total	37000		21000	5700	ug/Kg	100	☼	8260C	Total/NA
Acenaphthene	790000		200000	29000	ug/Kg	20	☼	8270D	Total/NA
Acenaphthylene	820000		200000	26000	ug/Kg	20	☼	8270D	Total/NA
Anthracene	1500000		200000	49000	ug/Kg	20	☼	8270D	Total/NA
Benzo[a]anthracene	2000000		200000	20000	ug/Kg	20	☼	8270D	Total/NA
Benzo[a]pyrene	2000000		200000	29000	ug/Kg	20	☼	8270D	Total/NA
Benzo[b]fluoranthene	1700000		200000	32000	ug/Kg	20	☼	8270D	Total/NA
Benzo[g,h,i]perylene	930000		200000	21000	ug/Kg	20	☼	8270D	Total/NA
Benzo[k]fluoranthene	780000		200000	26000	ug/Kg	20	☼	8270D	Total/NA
Chrysene	2100000		200000	44000	ug/Kg	20	☼	8270D	Total/NA
Dibenz(a,h)anthracene	300000		200000	35000	ug/Kg	20	☼	8270D	Total/NA
Fluoranthene	4300000		200000	21000	ug/Kg	20	☼	8270D	Total/NA
Fluorene	2700000		200000	23000	ug/Kg	20	☼	8270D	Total/NA
Indeno[1,2,3-cd]pyrene	850000		200000	25000	ug/Kg	20	☼	8270D	Total/NA
Pyrene	4200000		200000	23000	ug/Kg	20	☼	8270D	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: B-14-11102020-0.3-0.8 (Continued)
Lab Sample ID: 480-177968-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Naphthalene - DL	8800000		500000	64000	ug/Kg	50	☼	8270D	Total/NA
Phenanthrene - DL	9100000		500000	73000	ug/Kg	50	☼	8270D	Total/NA
Chromium	11.4		0.61	0.25	mg/Kg	1	☼	6010C	Total/NA

Client Sample ID: B-14-11102020-4.5-5.0
Lab Sample ID: 480-177968-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acenaphthene	710	J	980	140	ug/Kg	5	☼	8270D	Total/NA
Acenaphthylene	590	J	980	130	ug/Kg	5	☼	8270D	Total/NA
Anthracene	1100		980	240	ug/Kg	5	☼	8270D	Total/NA
Benzo[a]anthracene	1600		980	98	ug/Kg	5	☼	8270D	Total/NA
Benzo[a]pyrene	1700		980	140	ug/Kg	5	☼	8270D	Total/NA
Benzo[b]fluoranthene	1300		980	160	ug/Kg	5	☼	8270D	Total/NA
Benzo[g,h,i]perylene	820	J	980	100	ug/Kg	5	☼	8270D	Total/NA
Benzo[k]fluoranthene	600	J	980	130	ug/Kg	5	☼	8270D	Total/NA
Chrysene	1800		980	220	ug/Kg	5	☼	8270D	Total/NA
Dibenz(a,h)anthracene	230	J	980	170	ug/Kg	5	☼	8270D	Total/NA
Fluoranthene	3400		980	100	ug/Kg	5	☼	8270D	Total/NA
Fluorene	2300		980	120	ug/Kg	5	☼	8270D	Total/NA
Indeno[1,2,3-cd]pyrene	610	J	980	120	ug/Kg	5	☼	8270D	Total/NA
Naphthalene	4900		980	130	ug/Kg	5	☼	8270D	Total/NA
Phenanthrene	8500		980	140	ug/Kg	5	☼	8270D	Total/NA
Pyrene	4200		980	120	ug/Kg	5	☼	8270D	Total/NA
Chromium	14.7		0.59	0.24	mg/Kg	1	☼	6010C	Total/NA

Client Sample ID: B-16-11102020-0.9-1.4
Lab Sample ID: 480-177968-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	17000		5800	1100	ug/Kg	100	☼	8260C	Total/NA
Ethylbenzene	15000		5800	1700	ug/Kg	100	☼	8260C	Total/NA
Toluene	36000		5800	1500	ug/Kg	100	☼	8260C	Total/NA
Xylenes, Total	140000		12000	3200	ug/Kg	100	☼	8260C	Total/NA
Styrene	30000		5800	1400	ug/Kg	100	☼	8260C	Total/NA
Acenaphthene	670000		95000	14000	ug/Kg	10	☼	8270D	Total/NA
Acenaphthylene	2100000		95000	12000	ug/Kg	10	☼	8270D	Total/NA
Benzo[a]anthracene	2100000		95000	9500	ug/Kg	10	☼	8270D	Total/NA
Benzo[a]pyrene	1800000		95000	14000	ug/Kg	10	☼	8270D	Total/NA
Benzo[b]fluoranthene	1800000		95000	15000	ug/Kg	10	☼	8270D	Total/NA
Benzo[g,h,i]perylene	890000		95000	10000	ug/Kg	10	☼	8270D	Total/NA
Benzo[k]fluoranthene	970000		95000	12000	ug/Kg	10	☼	8270D	Total/NA
Chrysene	2000000		95000	21000	ug/Kg	10	☼	8270D	Total/NA
Dibenz(a,h)anthracene	310000		95000	17000	ug/Kg	10	☼	8270D	Total/NA
Indeno[1,2,3-cd]pyrene	900000		95000	12000	ug/Kg	10	☼	8270D	Total/NA
Anthracene - DL	14000000		470000	120000	ug/Kg	50	☼	8270D	Total/NA
Fluoranthene - DL	6100000		470000	50000	ug/Kg	50	☼	8270D	Total/NA
Fluorene - DL	4400000		470000	56000	ug/Kg	50	☼	8270D	Total/NA
Naphthalene - DL	10000000		470000	61000	ug/Kg	50	☼	8270D	Total/NA
Phenanthrene - DL	11000000		470000	70000	ug/Kg	50	☼	8270D	Total/NA
Pyrene - DL	4100000		470000	56000	ug/Kg	50	☼	8270D	Total/NA
Chromium	17.7		0.60	0.24	mg/Kg	1	☼	6010C	Total/NA

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: Parsons Corporation
Project/Site: Honeywell - Tonawanda Plastics

Job ID: 480-177968-1

Client Sample ID: B-16-11102020-2.5-3.0 — Lab Sample ID: 480-177968-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acenaphthene	31	J	210	31	ug/Kg	1	☼	8270D	Total/NA
Acenaphthylene	90	J	210	28	ug/Kg	1	☼	8270D	Total/NA
Anthracene	310		210	53	ug/Kg	1	☼	8270D	Total/NA
Benzo[a]anthracene	76	J	210	21	ug/Kg	1	☼	8270D	Total/NA
Benzo[a]pyrene	85	J	210	31	ug/Kg	1	☼	8270D	Total/NA
Benzo[b]fluoranthene	110	J	210	34	ug/Kg	1	☼	8270D	Total/NA
Benzo[g,h,i]perylene	47	J	210	23	ug/Kg	1	☼	8270D	Total/NA
Benzo[k]fluoranthene	39	J	210	28	ug/Kg	1	☼	8270D	Total/NA
Chrysene	87	J	210	48	ug/Kg	1	☼	8270D	Total/NA
Fluoranthene	200	J	210	23	ug/Kg	1	☼	8270D	Total/NA
Fluorene	85	J	210	25	ug/Kg	1	☼	8270D	Total/NA
Indeno[1,2,3-cd]pyrene	46	J	210	26	ug/Kg	1	☼	8270D	Total/NA
Naphthalene	1900		210	28	ug/Kg	1	☼	8270D	Total/NA
Phenanthrene	230		210	31	ug/Kg	1	☼	8270D	Total/NA
Pyrene	150	J	210	25	ug/Kg	1	☼	8270D	Total/NA
Chromium	22.8		0.60	0.24	mg/Kg	1	☼	6010C	Total/NA

Client Sample ID: B-29-11102020-1.8-2.3 — Lab Sample ID: 480-177968-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acenaphthylene	40	J	220	28	ug/Kg	1	☼	8270D	Total/NA
Benzo[a]anthracene	100	J	220	22	ug/Kg	1	☼	8270D	Total/NA
Benzo[a]pyrene	140	J	220	32	ug/Kg	1	☼	8270D	Total/NA
Benzo[b]fluoranthene	180	J	220	35	ug/Kg	1	☼	8270D	Total/NA
Benzo[g,h,i]perylene	75	J	220	23	ug/Kg	1	☼	8270D	Total/NA
Benzo[k]fluoranthene	55	J	220	28	ug/Kg	1	☼	8270D	Total/NA
Chrysene	96	J	220	49	ug/Kg	1	☼	8270D	Total/NA
Fluoranthene	230		220	23	ug/Kg	1	☼	8270D	Total/NA
Indeno[1,2,3-cd]pyrene	74	J	220	27	ug/Kg	1	☼	8270D	Total/NA
Naphthalene	440		220	28	ug/Kg	1	☼	8270D	Total/NA
Phenanthrene	54	J	220	32	ug/Kg	1	☼	8270D	Total/NA
Pyrene	160	J	220	26	ug/Kg	1	☼	8270D	Total/NA
Chromium	37.6		0.63	0.25	mg/Kg	1	☼	6010C	Total/NA

Client Sample ID: B-30-11102020-0.5-1.0 — Lab Sample ID: 480-177968-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	29000		14000	2600	ug/Kg	200	☼	8260C	Total/NA
Toluene	19000		14000	3600	ug/Kg	200	☼	8260C	Total/NA
Xylenes, Total	28000		27000	7500	ug/Kg	200	☼	8260C	Total/NA
Styrene	15000		14000	3300	ug/Kg	200	☼	8260C	Total/NA
Acenaphthene	410000		200000	29000	ug/Kg	20	☼	8270D	Total/NA
Acenaphthylene	3300000		200000	25000	ug/Kg	20	☼	8270D	Total/NA
Anthracene	4200000		200000	48000	ug/Kg	20	☼	8270D	Total/NA
Benzo[a]anthracene	3100000		200000	20000	ug/Kg	20	☼	8270D	Total/NA
Benzo[a]pyrene	2800000		200000	29000	ug/Kg	20	☼	8270D	Total/NA
Benzo[b]fluoranthene	3200000		200000	31000	ug/Kg	20	☼	8270D	Total/NA
Benzo[g,h,i]perylene	1500000		200000	21000	ug/Kg	20	☼	8270D	Total/NA
Benzo[k]fluoranthene	1200000		200000	25000	ug/Kg	20	☼	8270D	Total/NA
Chrysene	3000000		200000	44000	ug/Kg	20	☼	8270D	Total/NA
Dibenz(a,h)anthracene	460000		200000	35000	ug/Kg	20	☼	8270D	Total/NA
Fluorene	3900000		200000	23000	ug/Kg	20	☼	8270D	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: B-30-11102020-0.5-1.0 (Continued)
Lab Sample ID: 480-177968-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Indeno[1,2,3-cd]pyrene	1400000		200000	24000	ug/Kg	20	☼	8270D	Total/NA
Pyrene	5900000		200000	23000	ug/Kg	20	☼	8270D	Total/NA
Fluoranthene - DL	9400000		980000	100000	ug/Kg	100	☼	8270D	Total/NA
Naphthalene - DL	11000000		980000	130000	ug/Kg	100	☼	8270D	Total/NA
Phenanthrene - DL	13000000		980000	140000	ug/Kg	100	☼	8270D	Total/NA
Chromium	8.4		0.55	0.22	mg/Kg	1	☼	6010C	Total/NA
Cyanide, Total	3.7	*	0.95	0.46	mg/Kg	1	☼	9012B	Total/NA

Client Sample ID: B-30-11102020-3.5-4.0
Lab Sample ID: 480-177968-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	21	J	24	4.1	ug/Kg	1	☼	8260C	Total/NA
Acenaphthylene	120	J	190	25	ug/Kg	1	☼	8270D	Total/NA
Fluoranthene	20	J	190	20	ug/Kg	1	☼	8270D	Total/NA
Fluorene	83	J	190	23	ug/Kg	1	☼	8270D	Total/NA
Naphthalene	3600		190	25	ug/Kg	1	☼	8270D	Total/NA
Phenanthrene	74	J	190	28	ug/Kg	1	☼	8270D	Total/NA
Chromium	23.3		0.57	0.23	mg/Kg	1	☼	6010C	Total/NA

Client Sample ID: B-12-11102020-1.0-1.5
Lab Sample ID: 480-177968-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acenaphthylene	35	J	210	27	ug/Kg	1	☼	8270D	Total/NA
Fluorene	26	J	210	24	ug/Kg	1	☼	8270D	Total/NA
Naphthalene	1000		210	27	ug/Kg	1	☼	8270D	Total/NA
Chromium	28.8		0.60	0.24	mg/Kg	1	☼	6010C	Total/NA

This Detection Summary does not include radiochemical test results.

Client: Parsons Corporation
Job ID: 480-177968-1
Project/Site: Honeywell - Tonawanda Plastics

Client Sample ID: B-17-11102020-0.7-1.2
Lab Sample ID: 480-177968-1
Date Collected: 11/10/20 08:35
Matrix: Solid
Date Received: 11/10/20 18:00
Percent Solids: 83.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	4.6	U	4.6	0.33	ug/Kg	☼	11/11/20 15:50	11/12/20 22:49	1
1,1,2,2-Tetrachloroethane	4.6	U	4.6	0.74	ug/Kg	☼	11/11/20 15:50	11/12/20 22:49	1
1,1,2-Trichloro-1,2,2-trifluoroethane	4.6	U	4.6	1.0	ug/Kg	☼	11/11/20 15:50	11/12/20 22:49	1
1,1,2-Trichloroethane	4.6	U	4.6	0.59	ug/Kg	☼	11/11/20 15:50	11/12/20 22:49	1
1,1-Dichloroethane	4.6	U	4.6	0.56	ug/Kg	☼	11/11/20 15:50	11/12/20 22:49	1
1,1-Dichloroethene	4.6	U	4.6	0.56	ug/Kg	☼	11/11/20 15:50	11/12/20 22:49	1
1,2,4-Trichlorobenzene	4.6	U	4.6	0.28	ug/Kg	☼	11/11/20 15:50	11/12/20 22:49	1
1,2-Dibromo-3-Chloropropane	4.6	U	4.6	2.3	ug/Kg	☼	11/11/20 15:50	11/12/20 22:49	1
1,2-Dibromoethane	4.6	U	4.6	0.58	ug/Kg	☼	11/11/20 15:50	11/12/20 22:49	1
1,2-Dichlorobenzene	4.6	U	4.6	0.36	ug/Kg	☼	11/11/20 15:50	11/12/20 22:49	1
1,2-Dichloroethane	4.6	U	4.6	0.23	ug/Kg	☼	11/11/20 15:50	11/12/20 22:49	1
1,2-Dichloropropane	4.6	U	4.6	2.3	ug/Kg	☼	11/11/20 15:50	11/12/20 22:49	1
1,3-Dichlorobenzene	4.6	U	4.6	0.23	ug/Kg	☼	11/11/20 15:50	11/12/20 22:49	1
1,4-Dichlorobenzene	4.6	U	4.6	0.64	ug/Kg	☼	11/11/20 15:50	11/12/20 22:49	1
2-Butanone (MEK)	23	U	23	1.7	ug/Kg	☼	11/11/20 15:50	11/12/20 22:49	1
2-Hexanone	23	U	23	2.3	ug/Kg	☼	11/11/20 15:50	11/12/20 22:49	1
4-Methyl-2-pentanone (MIBK)	23	U	23	1.5	ug/Kg	☼	11/11/20 15:50	11/12/20 22:49	1
Acetone	**21**	**J**	23	3.8	ug/Kg	☼	11/11/20 15:50	11/12/20 22:49	1
Benzene	4.6	U	4.6	0.22	ug/Kg	☼	11/11/20 15:50	11/12/20 22:49	1
Bromodichloromethane	4.6	U	4.6	0.61	ug/Kg	☼	11/11/20 15:50	11/12/20 22:49	1
Bromoform	4.6	U	4.6	2.3	ug/Kg	☼	11/11/20 15:50	11/12/20 22:49	1
Bromomethane	4.6	U	4.6	0.41	ug/Kg	☼	11/11/20 15:50	11/12/20 22:49	1
Carbon disulfide	4.6	U	4.6	2.3	ug/Kg	☼	11/11/20 15:50	11/12/20 22:49	1
Carbon tetrachloride	4.6	U	4.6	0.44	ug/Kg	☼	11/11/20 15:50	11/12/20 22:49	1
Chlorobenzene	4.6	U	4.6	0.60	ug/Kg	☼	11/11/20 15:50	11/12/20 22:49	1
Chloroethane	4.6	U *	4.6	1.0	ug/Kg	☼	11/11/20 15:50	11/12/20 22:49	1
Chloroform	4.6	U	4.6	0.28	ug/Kg	☼	11/11/20 15:50	11/12/20 22:49	1
Chloromethane	4.6	U	4.6	0.28	ug/Kg	☼	11/11/20 15:50	11/12/20 22:49	1
cis-1,2-Dichloroethene	4.6	U	4.6	0.58	ug/Kg	☼	11/11/20 15:50	11/12/20 22:49	1
cis-1,3-Dichloropropene	4.6	U	4.6	0.66	ug/Kg	☼	11/11/20 15:50	11/12/20 22:49	1
Cyclohexane	4.6	U	4.6	0.64	ug/Kg	☼	11/11/20 15:50	11/12/20 22:49	1
Dibromochloromethane	4.6	U	4.6	0.58	ug/Kg	☼	11/11/20 15:50	11/12/20 22:49	1
Dichlorodifluoromethane	4.6	U	4.6	0.38	ug/Kg	☼	11/11/20 15:50	11/12/20 22:49	1
Ethylbenzene	4.6	U	4.6	0.31	ug/Kg	☼	11/11/20 15:50	11/12/20 22:49	1
Isopropylbenzene	4.6	U	4.6	0.69	ug/Kg	☼	11/11/20 15:50	11/12/20 22:49	1
Methyl acetate	23	U	23	2.8	ug/Kg	☼	11/11/20 15:50	11/12/20 22:49	1
Methyl tert-butyl ether	4.6	U	4.6	0.45	ug/Kg	☼	11/11/20 15:50	11/12/20 22:49	1
Methylcyclohexane	4.6	U	4.6	0.69	ug/Kg	☼	11/11/20 15:50	11/12/20 22:49	1
Methylene Chloride	4.6	U	4.6	2.1	ug/Kg	☼	11/11/20 15:50	11/12/20 22:49	1
Styrene	4.6	U	4.6	0.23	ug/Kg	☼	11/11/20 15:50	11/12/20 22:49	1
Tetrachloroethene	4.6	U	4.6	0.61	ug/Kg	☼	11/11/20 15:50	11/12/20 22:49	1
Toluene	**0.62**	**J**	4.6	0.34	ug/Kg	☼	11/11/20 15:50	11/12/20 22:49	1
trans-1,2-Dichloroethene	4.6	U	4.6	0.47	ug/Kg	☼	11/11/20 15:50	11/12/20 22:49	1
trans-1,3-Dichloropropene	4.6	U	4.6	2.0	ug/Kg	☼	11/11/20 15:50	11/12/20 22:49	1
Trichloroethene	4.6	U	4.6	1.0	ug/Kg	☼	11/11/20 15:50	11/12/20 22:49	1
Trichlorofluoromethane	4.6	U	4.6	0.43	ug/Kg	☼	11/11/20 15:50	11/12/20 22:49	1
Vinyl chloride	4.6	U	4.6	0.56	ug/Kg	☼	11/11/20 15:50	11/12/20 22:49	1
Xylenes, Total	9.1	U	9.1	0.77	ug/Kg	☼	11/11/20 15:50	11/12/20 22:49	1

Client Sample ID: B-17-11102020-0.7-1.2

Lab Sample ID: 480-177968-1

Date Collected: 11/10/20 08:35
Matrix: Solid
Date Received: 11/10/20 18:00
Percent Solids: 83.3

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	*118*		*64 - 126*	*11/11/20 15:50*	*11/12/20 22:49*	*1*
4-Bromofluorobenzene (Surr)	*84*		*72 - 126*	*11/11/20 15:50*	*11/12/20 22:49*	*1*
Dibromofluoromethane (Surr)	*99*		*60 - 140*	*11/11/20 15:50*	*11/12/20 22:49*	*1*
Toluene-d8 (Surr)	*94*		*71 - 125*	*11/11/20 15:50*	*11/12/20 22:49*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	200	U	200	30	ug/Kg	☼	11/16/20 07:51	11/21/20 09:41	1
Acenaphthylene	**28**	**J**	200	26	ug/Kg	☼	11/16/20 07:51	11/21/20 09:41	1
Anthracene	200	U	200	50	ug/Kg	☼	11/16/20 07:51	11/21/20 09:41	1
Benzo[a]anthracene	**44**	**J**	200	20	ug/Kg	☼	11/16/20 07:51	11/21/20 09:41	1
Benzo[a]pyrene	**62**	**J**	200	30	ug/Kg	☼	11/16/20 07:51	11/21/20 09:41	1
Benzo[b]fluoranthene	**69**	**J**	200	32	ug/Kg	☼	11/16/20 07:51	11/21/20 09:41	1
Benzo[g,h,i]perylene	**38**	**J**	200	22	ug/Kg	☼	11/16/20 07:51	11/21/20 09:41	1
Benzo[k]fluoranthene	**28**	**J**	200	26	ug/Kg	☼	11/16/20 07:51	11/21/20 09:41	1
Chrysene	200	U	200	46	ug/Kg	☼	11/16/20 07:51	11/21/20 09:41	1
Dibenz(a,h)anthracene	200	U	200	36	ug/Kg	☼	11/16/20 07:51	11/21/20 09:41	1
Fluoranthene	**80**	**J**	200	22	ug/Kg	☼	11/16/20 07:51	11/21/20 09:41	1
Fluorene	200	U	200	24	ug/Kg	☼	11/16/20 07:51	11/21/20 09:41	1
Indeno[1,2,3-cd]pyrene	**34**	**J**	200	25	ug/Kg	☼	11/16/20 07:51	11/21/20 09:41	1
Naphthalene	**77**	**J**	200	26	ug/Kg	☼	11/16/20 07:51	11/21/20 09:41	1
Phenanthrene	200	U	200	30	ug/Kg	☼	11/16/20 07:51	11/21/20 09:41	1
Pyrene	**57**	**J**	200	24	ug/Kg	☼	11/16/20 07:51	11/21/20 09:41	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	*98*		*60 - 120*	*11/16/20 07:51*	*11/21/20 09:41*	*1*
Nitrobenzene-d5 (Surr)	*96*		*53 - 120*	*11/16/20 07:51*	*11/21/20 09:41*	*1*
p-Terphenyl-d14 (Surr)	*100*		*79 - 130*	*11/16/20 07:51*	*11/21/20 09:41*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	**23.0**		0.62	0.25	mg/Kg	☼	11/23/20 08:35	11/24/20 00:32	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	1.1	U F1 *	1.1	0.52	mg/Kg	☼	11/20/20 21:56	11/22/20 15:27	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**16.7**		0.1	0.1	%			11/11/20 17:51	1
Percent Solids	**83.3**		0.1	0.1	%			11/11/20 17:51	1

Client: Parsons Corporation
Job ID: 480-177968-1
Project/Site: Honeywell - Tonawanda Plastics

Client Sample ID: B-17-11102020-1.5-2.0
Lab Sample ID: 480-177968-2
Date Collected: 11/10/20 08:45
Matrix: Solid
Date Received: 11/10/20 18:00
Percent Solids: 84.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	4.2	U	4.2	0.31	ug/Kg	☼	11/11/20 15:50	11/12/20 23:14	1
1,1,2,2-Tetrachloroethane	4.2	U	4.2	0.68	ug/Kg	☼	11/11/20 15:50	11/12/20 23:14	1
1,1,2-Trichloro-1,2,2-trifluoroethane	4.2	U	4.2	0.96	ug/Kg	☼	11/11/20 15:50	11/12/20 23:14	1
1,1,2-Trichloroethane	4.2	U	4.2	0.55	ug/Kg	☼	11/11/20 15:50	11/12/20 23:14	1
1,1-Dichloroethane	4.2	U	4.2	0.51	ug/Kg	☼	11/11/20 15:50	11/12/20 23:14	1
1,1-Dichloroethene	4.2	U	4.2	0.51	ug/Kg	☼	11/11/20 15:50	11/12/20 23:14	1
1,2,4-Trichlorobenzene	4.2	U	4.2	0.26	ug/Kg	☼	11/11/20 15:50	11/12/20 23:14	1
1,2-Dibromo-3-Chloropropane	4.2	U	4.2	2.1	ug/Kg	☼	11/11/20 15:50	11/12/20 23:14	1
1,2-Dibromoethane	4.2	U	4.2	0.54	ug/Kg	☼	11/11/20 15:50	11/12/20 23:14	1
1,2-Dichlorobenzene	4.2	U	4.2	0.33	ug/Kg	☼	11/11/20 15:50	11/12/20 23:14	1
1,2-Dichloroethane	4.2	U	4.2	0.21	ug/Kg	☼	11/11/20 15:50	11/12/20 23:14	1
1,2-Dichloropropane	4.2	U	4.2	2.1	ug/Kg	☼	11/11/20 15:50	11/12/20 23:14	1
1,3-Dichlorobenzene	4.2	U	4.2	0.22	ug/Kg	☼	11/11/20 15:50	11/12/20 23:14	1
1,4-Dichlorobenzene	4.2	U	4.2	0.59	ug/Kg	☼	11/11/20 15:50	11/12/20 23:14	1
2-Butanone (MEK)	21	U	21	1.5	ug/Kg	☼	11/11/20 15:50	11/12/20 23:14	1
2-Hexanone	21	U	21	2.1	ug/Kg	☼	11/11/20 15:50	11/12/20 23:14	1
4-Methyl-2-pentanone (MIBK)	21	U	21	1.4	ug/Kg	☼	11/11/20 15:50	11/12/20 23:14	1
Acetone	**41**		21	3.5	ug/Kg	☼	11/11/20 15:50	11/12/20 23:14	1
Benzene	4.2	U	4.2	0.21	ug/Kg	☼	11/11/20 15:50	11/12/20 23:14	1
Bromodichloromethane	4.2	U	4.2	0.56	ug/Kg	☼	11/11/20 15:50	11/12/20 23:14	1
Bromoform	4.2	U	4.2	2.1	ug/Kg	☼	11/11/20 15:50	11/12/20 23:14	1
Bromomethane	4.2	U	4.2	0.38	ug/Kg	☼	11/11/20 15:50	11/12/20 23:14	1
Carbon disulfide	4.2	U	4.2	2.1	ug/Kg	☼	11/11/20 15:50	11/12/20 23:14	1
Carbon tetrachloride	4.2	U	4.2	0.41	ug/Kg	☼	11/11/20 15:50	11/12/20 23:14	1
Chlorobenzene	4.2	U	4.2	0.55	ug/Kg	☼	11/11/20 15:50	11/12/20 23:14	1
Chloroethane	4.2	U *	4.2	0.95	ug/Kg	☼	11/11/20 15:50	11/12/20 23:14	1
Chloroform	4.2	U	4.2	0.26	ug/Kg	☼	11/11/20 15:50	11/12/20 23:14	1
Chloromethane	4.2	U	4.2	0.25	ug/Kg	☼	11/11/20 15:50	11/12/20 23:14	1
cis-1,2-Dichloroethene	4.2	U	4.2	0.54	ug/Kg	☼	11/11/20 15:50	11/12/20 23:14	1
cis-1,3-Dichloropropene	4.2	U	4.2	0.61	ug/Kg	☼	11/11/20 15:50	11/12/20 23:14	1
Cyclohexane	4.2	U	4.2	0.59	ug/Kg	☼	11/11/20 15:50	11/12/20 23:14	1
Dibromochloromethane	4.2	U	4.2	0.54	ug/Kg	☼	11/11/20 15:50	11/12/20 23:14	1
Dichlorodifluoromethane	4.2	U	4.2	0.35	ug/Kg	☼	11/11/20 15:50	11/12/20 23:14	1
Ethylbenzene	4.2	U	4.2	0.29	ug/Kg	☼	11/11/20 15:50	11/12/20 23:14	1
Isopropylbenzene	4.2	U	4.2	0.63	ug/Kg	☼	11/11/20 15:50	11/12/20 23:14	1
Methyl acetate	21	U	21	2.5	ug/Kg	☼	11/11/20 15:50	11/12/20 23:14	1
Methyl tert-butyl ether	4.2	U	4.2	0.41	ug/Kg	☼	11/11/20 15:50	11/12/20 23:14	1
Methylcyclohexane	4.2	U	4.2	0.64	ug/Kg	☼	11/11/20 15:50	11/12/20 23:14	1
Methylene Chloride	4.2	U	4.2	1.9	ug/Kg	☼	11/11/20 15:50	11/12/20 23:14	1
Styrene	4.2	U	4.2	0.21	ug/Kg	☼	11/11/20 15:50	11/12/20 23:14	1
Tetrachloroethene	4.2	U	4.2	0.56	ug/Kg	☼	11/11/20 15:50	11/12/20 23:14	1
Toluene	4.2	U	4.2	0.32	ug/Kg	☼	11/11/20 15:50	11/12/20 23:14	1
trans-1,2-Dichloroethene	4.2	U	4.2	0.43	ug/Kg	☼	11/11/20 15:50	11/12/20 23:14	1
trans-1,3-Dichloropropene	4.2	U	4.2	1.8	ug/Kg	☼	11/11/20 15:50	11/12/20 23:14	1
Trichloroethene	4.2	U	4.2	0.92	ug/Kg	☼	11/11/20 15:50	11/12/20 23:14	1
Trichlorofluoromethane	4.2	U	4.2	0.40	ug/Kg	☼	11/11/20 15:50	11/12/20 23:14	1
Vinyl chloride	4.2	U	4.2	0.51	ug/Kg	☼	11/11/20 15:50	11/12/20 23:14	1
Xylenes, Total	8.4	U	8.4	0.71	ug/Kg	☼	11/11/20 15:50	11/12/20 23:14	1

Client Sample ID: B-17-11102020-1.5-2.0
Date Collected: 11/10/20 08:45
Date Received: 11/10/20 18:00

Lab Sample ID: 480-177968-2
Matrix: Solid
Percent Solids: 84.2

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*117*		*64 - 126*	*11/11/20 15:50*	*11/12/20 23:14*	*1*
4-Bromofluorobenzene (Surr)	*85*		*72 - 126*	*11/11/20 15:50*	*11/12/20 23:14*	*1*
Dibromofluoromethane (Surr)	*103*		*60 - 140*	*11/11/20 15:50*	*11/12/20 23:14*	*1*
Toluene-d8 (Surr)	*92*		*71 - 125*	*11/11/20 15:50*	*11/12/20 23:14*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	200	U	200	29	ug/Kg	☼	11/16/20 07:51	11/21/20 10:05	1
Acenaphthylene	200	U	200	26	ug/Kg	☼	11/16/20 07:51	11/21/20 10:05	1
Anthracene	200	U	200	49	ug/Kg	☼	11/16/20 07:51	11/21/20 10:05	1
Benzo[a]anthracene	200	U	200	20	ug/Kg	☼	11/16/20 07:51	11/21/20 10:05	1
Benzo[a]pyrene	200	U	200	29	ug/Kg	☼	11/16/20 07:51	11/21/20 10:05	1
Benzo[b]fluoranthene	200	U	200	31	ug/Kg	☼	11/16/20 07:51	11/21/20 10:05	1
Benzo[g,h,i]perylene	200	U	200	21	ug/Kg	☼	11/16/20 07:51	11/21/20 10:05	1
Benzo[k]fluoranthene	200	U	200	26	ug/Kg	☼	11/16/20 07:51	11/21/20 10:05	1
Chrysene	200	U	200	44	ug/Kg	☼	11/16/20 07:51	11/21/20 10:05	1
Dibenz(a,h)anthracene	200	U	200	35	ug/Kg	☼	11/16/20 07:51	11/21/20 10:05	1
Fluoranthene	200	U	200	21	ug/Kg	☼	11/16/20 07:51	11/21/20 10:05	1
Fluorene	200	U	200	23	ug/Kg	☼	11/16/20 07:51	11/21/20 10:05	1
Indeno[1,2,3-cd]pyrene	200	U	200	24	ug/Kg	☼	11/16/20 07:51	11/21/20 10:05	1
Naphthalene	**38**	**J**	200	26	ug/Kg	☼	11/16/20 07:51	11/21/20 10:05	1
Phenanthrene	200	U	200	29	ug/Kg	☼	11/16/20 07:51	11/21/20 10:05	1
Pyrene	200	U	200	23	ug/Kg	☼	11/16/20 07:51	11/21/20 10:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*85*		*60 - 120*	*11/16/20 07:51*	*11/21/20 10:05*	*1*
Nitrobenzene-d5 (Surr)	*80*		*53 - 120*	*11/16/20 07:51*	*11/21/20 10:05*	*1*
p-Terphenyl-d14 (Surr)	*87*		*79 - 130*	*11/16/20 07:51*	*11/21/20 10:05*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	**21.3**		0.60	0.24	mg/Kg	☼	11/23/20 08:35	11/24/20 00:36	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	1.2	U *	1.2	0.56	mg/Kg	☼	11/20/20 21:56	11/22/20 15:31	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**15.8**		0.1	0.1	%			11/11/20 17:51	1
Percent Solids	**84.2**		0.1	0.1	%			11/11/20 17:51	1

Client: Parsons Corporation
Job ID: 480-177968-1
Project/Site: Honeywell - Tonawanda Plastics

Client Sample ID: B-15-11102020-1.3-1.8
Lab Sample ID: 480-177968-3
Date Collected: 11/10/20 09:00
Matrix: Solid
Date Received: 11/10/20 18:00
Percent Solids: 84.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	4.5	U	4.5	0.33	ug/Kg	☼	11/11/20 15:50	11/12/20 23:39	1
1,1,2,2-Tetrachloroethane	4.5	U	4.5	0.73	ug/Kg	☼	11/11/20 15:50	11/12/20 23:39	1
1,1,2-Trichloro-1,2,2-trifluoroethane	4.5	U	4.5	1.0	ug/Kg	☼	11/11/20 15:50	11/12/20 23:39	1
1,1,2-Trichloroethane	4.5	U	4.5	0.58	ug/Kg	☼	11/11/20 15:50	11/12/20 23:39	1
1,1-Dichloroethane	4.5	U	4.5	0.55	ug/Kg	☼	11/11/20 15:50	11/12/20 23:39	1
1,1-Dichloroethene	4.5	U	4.5	0.55	ug/Kg	☼	11/11/20 15:50	11/12/20 23:39	1
1,2,4-Trichlorobenzene	4.5	U	4.5	0.27	ug/Kg	☼	11/11/20 15:50	11/12/20 23:39	1
1,2-Dibromo-3-Chloropropane	4.5	U	4.5	2.2	ug/Kg	☼	11/11/20 15:50	11/12/20 23:39	1
1,2-Dibromoethane	4.5	U	4.5	0.57	ug/Kg	☼	11/11/20 15:50	11/12/20 23:39	1
1,2-Dichlorobenzene	4.5	U	4.5	0.35	ug/Kg	☼	11/11/20 15:50	11/12/20 23:39	1
1,2-Dichloroethane	4.5	U	4.5	0.22	ug/Kg	☼	11/11/20 15:50	11/12/20 23:39	1
1,2-Dichloropropane	4.5	U	4.5	2.2	ug/Kg	☼	11/11/20 15:50	11/12/20 23:39	1
1,3-Dichlorobenzene	4.5	U	4.5	0.23	ug/Kg	☼	11/11/20 15:50	11/12/20 23:39	1
1,4-Dichlorobenzene	4.5	U	4.5	0.63	ug/Kg	☼	11/11/20 15:50	11/12/20 23:39	1
2-Butanone (MEK)	22	U	22	1.6	ug/Kg	☼	11/11/20 15:50	11/12/20 23:39	1
2-Hexanone	22	U	22	2.2	ug/Kg	☼	11/11/20 15:50	11/12/20 23:39	1
4-Methyl-2-pentanone (MIBK)	22	U	22	1.5	ug/Kg	☼	11/11/20 15:50	11/12/20 23:39	1
Acetone	**26**		22	3.8	ug/Kg	☼	11/11/20 15:50	11/12/20 23:39	1
Benzene	4.5	U	4.5	0.22	ug/Kg	☼	11/11/20 15:50	11/12/20 23:39	1
Bromodichloromethane	4.5	U	4.5	0.60	ug/Kg	☼	11/11/20 15:50	11/12/20 23:39	1
Bromoform	4.5	U	4.5	2.2	ug/Kg	☼	11/11/20 15:50	11/12/20 23:39	1
Bromomethane	4.5	U	4.5	0.40	ug/Kg	☼	11/11/20 15:50	11/12/20 23:39	1
Carbon disulfide	4.5	U	4.5	2.2	ug/Kg	☼	11/11/20 15:50	11/12/20 23:39	1
Carbon tetrachloride	4.5	U	4.5	0.43	ug/Kg	☼	11/11/20 15:50	11/12/20 23:39	1
Chlorobenzene	4.5	U	4.5	0.59	ug/Kg	☼	11/11/20 15:50	11/12/20 23:39	1
Chloroethane	4.5	U *	4.5	1.0	ug/Kg	☼	11/11/20 15:50	11/12/20 23:39	1
Chloroform	4.5	U	4.5	0.28	ug/Kg	☼	11/11/20 15:50	11/12/20 23:39	1
Chloromethane	4.5	U	4.5	0.27	ug/Kg	☼	11/11/20 15:50	11/12/20 23:39	1
cis-1,2-Dichloroethene	4.5	U	4.5	0.57	ug/Kg	☼	11/11/20 15:50	11/12/20 23:39	1
cis-1,3-Dichloropropene	4.5	U	4.5	0.64	ug/Kg	☼	11/11/20 15:50	11/12/20 23:39	1
Cyclohexane	4.5	U	4.5	0.63	ug/Kg	☼	11/11/20 15:50	11/12/20 23:39	1
Dibromochloromethane	4.5	U	4.5	0.57	ug/Kg	☼	11/11/20 15:50	11/12/20 23:39	1
Dichlorodifluoromethane	4.5	U	4.5	0.37	ug/Kg	☼	11/11/20 15:50	11/12/20 23:39	1
Ethylbenzene	4.5	U	4.5	0.31	ug/Kg	☼	11/11/20 15:50	11/12/20 23:39	1
Isopropylbenzene	4.5	U	4.5	0.68	ug/Kg	☼	11/11/20 15:50	11/12/20 23:39	1
Methyl acetate	22	U	22	2.7	ug/Kg	☼	11/11/20 15:50	11/12/20 23:39	1
Methyl tert-butyl ether	4.5	U	4.5	0.44	ug/Kg	☼	11/11/20 15:50	11/12/20 23:39	1
Methylcyclohexane	4.5	U	4.5	0.68	ug/Kg	☼	11/11/20 15:50	11/12/20 23:39	1
Methylene Chloride	4.5	U	4.5	2.1	ug/Kg	☼	11/11/20 15:50	11/12/20 23:39	1
Styrene	4.5	U	4.5	0.22	ug/Kg	☼	11/11/20 15:50	11/12/20 23:39	1
Tetrachloroethene	4.5	U	4.5	0.60	ug/Kg	☼	11/11/20 15:50	11/12/20 23:39	1
Toluene	4.5	U	4.5	0.34	ug/Kg	☼	11/11/20 15:50	11/12/20 23:39	1
trans-1,2-Dichloroethene	4.5	U	4.5	0.46	ug/Kg	☼	11/11/20 15:50	11/12/20 23:39	1
trans-1,3-Dichloropropene	4.5	U	4.5	2.0	ug/Kg	☼	11/11/20 15:50	11/12/20 23:39	1
Trichloroethene	4.5	U	4.5	0.98	ug/Kg	☼	11/11/20 15:50	11/12/20 23:39	1
Trichlorofluoromethane	4.5	U	4.5	0.42	ug/Kg	☼	11/11/20 15:50	11/12/20 23:39	1
Vinyl chloride	4.5	U	4.5	0.55	ug/Kg	☼	11/11/20 15:50	11/12/20 23:39	1
Xylenes, Total	9.0	U	9.0	0.75	ug/Kg	☼	11/11/20 15:50	11/12/20 23:39	1

Client Sample ID: B-15-11102020-1.3-1.8
Date Collected: 11/10/20 09:00
Date Received: 11/10/20 18:00

Lab Sample ID: 480-177968-3
Matrix: Solid
Percent Solids: 84.1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*123*		*64 - 126*	*11/11/20 15:50*	*11/12/20 23:39*	*1*
4-Bromofluorobenzene (Surr)	*85*		*72 - 126*	*11/11/20 15:50*	*11/12/20 23:39*	*1*
Dibromofluoromethane (Surr)	*100*		*60 - 140*	*11/11/20 15:50*	*11/12/20 23:39*	*1*
Toluene-d8 (Surr)	*95*		*71 - 125*	*11/11/20 15:50*	*11/12/20 23:39*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	200	U	200	29	ug/Kg	☼	11/16/20 07:51	11/21/20 10:29	1
Acenaphthylene	200	U	200	25	ug/Kg	☼	11/16/20 07:51	11/21/20 10:29	1
Anthracene	200	U	200	49	ug/Kg	☼	11/16/20 07:51	11/21/20 10:29	1
Benzo[a]anthracene	200	U	200	20	ug/Kg	☼	11/16/20 07:51	11/21/20 10:29	1
Benzo[a]pyrene	200	U	200	29	ug/Kg	☼	11/16/20 07:51	11/21/20 10:29	1
Benzo[b]fluoranthene	200	U	200	31	ug/Kg	☼	11/16/20 07:51	11/21/20 10:29	1
Benzo[g,h,i]perylene	200	U	200	21	ug/Kg	☼	11/16/20 07:51	11/21/20 10:29	1
Benzo[k]fluoranthene	200	U	200	25	ug/Kg	☼	11/16/20 07:51	11/21/20 10:29	1
Chrysene	200	U	200	44	ug/Kg	☼	11/16/20 07:51	11/21/20 10:29	1
Dibenz(a,h)anthracene	200	U	200	35	ug/Kg	☼	11/16/20 07:51	11/21/20 10:29	1
Fluoranthene	**55**	**J**	200	21	ug/Kg	☼	11/16/20 07:51	11/21/20 10:29	1
Fluorene	200	U	200	23	ug/Kg	☼	11/16/20 07:51	11/21/20 10:29	1
Indeno[1,2,3-cd]pyrene	200	U	200	24	ug/Kg	☼	11/16/20 07:51	11/21/20 10:29	1
Naphthalene	**60**	**J**	200	25	ug/Kg	☼	11/16/20 07:51	11/21/20 10:29	1
Phenanthrene	**35**	**J**	200	29	ug/Kg	☼	11/16/20 07:51	11/21/20 10:29	1
Pyrene	**27**	**J**	200	23	ug/Kg	☼	11/16/20 07:51	11/21/20 10:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*88*		*60 - 120*	*11/16/20 07:51*	*11/21/20 10:29*	*1*
Nitrobenzene-d5 (Surr)	*83*		*53 - 120*	*11/16/20 07:51*	*11/21/20 10:29*	*1*
p-Terphenyl-d14 (Surr)	*88*		*79 - 130*	*11/16/20 07:51*	*11/21/20 10:29*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	**21.3**		0.60	0.24	mg/Kg	☼	11/23/20 08:35	11/24/20 00:40	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	1.0	U *	1.0	0.49	mg/Kg	☼	11/20/20 21:56	11/22/20 15:33	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**15.9**		0.1	0.1	%			11/11/20 17:51	1
Percent Solids	**84.1**		0.1	0.1	%			11/11/20 17:51	1

Client: Parsons Corporation
Job ID: 480-177968-1
Project/Site: Honeywell - Tonawanda Plastics

Client Sample ID: B-14-11102020-0.3-0.8
Lab Sample ID: 480-177968-4
Date Collected: 11/10/20 10:55
Matrix: Solid
Date Received: 11/10/20 18:00
Percent Solids: 83.9

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	10000	U	10000	2900	ug/Kg	☼	11/11/20 19:48	11/13/20 21:16	100
1,1,2,2-Tetrachloroethane	10000	U	10000	1700	ug/Kg	☼	11/11/20 19:48	11/13/20 21:16	100
1,1,2-Trichloro-1,2,2-trifluoroethane	10000	U	10000	5100	ug/Kg	☼	11/11/20 19:48	11/13/20 21:16	100
1,1,2-Trichloroethane	10000	U	10000	2200	ug/Kg	☼	11/11/20 19:48	11/13/20 21:16	100
1,1-Dichloroethane	10000	U	10000	3200	ug/Kg	☼	11/11/20 19:48	11/13/20 21:16	100
1,1-Dichloroethene	10000	U	10000	3600	ug/Kg	☼	11/11/20 19:48	11/13/20 21:16	100
1,2,4-Trichlorobenzene	10000	U	10000	3900	ug/Kg	☼	11/11/20 19:48	11/13/20 21:16	100
1,2-Dibromo-3-Chloropropane	10000	U	10000	5100	ug/Kg	☼	11/11/20 19:48	11/13/20 21:16	100
1,2-Dichlorobenzene	10000	U	10000	2600	ug/Kg	☼	11/11/20 19:48	11/13/20 21:16	100
1,2-Dichloroethane	10000	U	10000	4200	ug/Kg	☼	11/11/20 19:48	11/13/20 21:16	100
1,2-Dichloropropane	10000	U	10000	1700	ug/Kg	☼	11/11/20 19:48	11/13/20 21:16	100
1,3-Dichlorobenzene	10000	U	10000	2700	ug/Kg	☼	11/11/20 19:48	11/13/20 21:16	100
1,4-Dichlorobenzene	10000	U	10000	1400	ug/Kg	☼	11/11/20 19:48	11/13/20 21:16	100
2-Butanone (MEK)	51000	U	51000	31000	ug/Kg	☼	11/11/20 19:48	11/13/20 21:16	100
2-Hexanone	51000	U	51000	21000	ug/Kg	☼	11/11/20 19:48	11/13/20 21:16	100
4-Methyl-2-pentanone (MIBK)	51000	U	51000	3300	ug/Kg	☼	11/11/20 19:48	11/13/20 21:16	100
Acetone	51000	U	51000	42000	ug/Kg	☼	11/11/20 19:48	11/13/20 21:16	100
Benzene	**8700**	**J**	10000	2000	ug/Kg	☼	11/11/20 19:48	11/13/20 21:16	100
Bromoform	10000	U	10000	5100	ug/Kg	☼	11/11/20 19:48	11/13/20 21:16	100
Bromomethane	10000	U	10000	2300	ug/Kg	☼	11/11/20 19:48	11/13/20 21:16	100
Carbon disulfide	10000	U	10000	4700	ug/Kg	☼	11/11/20 19:48	11/13/20 21:16	100
Carbon tetrachloride	10000	U	10000	2600	ug/Kg	☼	11/11/20 19:48	11/13/20 21:16	100
Chlorobenzene	10000	U	10000	1400	ug/Kg	☼	11/11/20 19:48	11/13/20 21:16	100
Dibromochloromethane	10000	U	10000	5000	ug/Kg	☼	11/11/20 19:48	11/13/20 21:16	100
Chloroethane	10000	U	10000	2100	ug/Kg	☼	11/11/20 19:48	11/13/20 21:16	100
Chloroform	10000	U	10000	7100	ug/Kg	☼	11/11/20 19:48	11/13/20 21:16	100
Chloromethane	10000	U	10000	2400	ug/Kg	☼	11/11/20 19:48	11/13/20 21:16	100
cis-1,2-Dichloroethene	10000	U	10000	2800	ug/Kg	☼	11/11/20 19:48	11/13/20 21:16	100
Cyclohexane	10000	U	10000	2300	ug/Kg	☼	11/11/20 19:48	11/13/20 21:16	100
Bromodichloromethane	10000	U	10000	2100	ug/Kg	☼	11/11/20 19:48	11/13/20 21:16	100
Dichlorodifluoromethane	10000	U	10000	4500	ug/Kg	☼	11/11/20 19:48	11/13/20 21:16	100
Ethylbenzene	**7100**	**J**	10000	3000	ug/Kg	☼	11/11/20 19:48	11/13/20 21:16	100
1,2-Dibromoethane	10000	U	10000	1800	ug/Kg	☼	11/11/20 19:48	11/13/20 21:16	100
Isopropylbenzene	10000	U	10000	1500	ug/Kg	☼	11/11/20 19:48	11/13/20 21:16	100
Methyl acetate	51000	U	51000	4900	ug/Kg	☼	11/11/20 19:48	11/13/20 21:16	100
Methyl tert-butyl ether	10000	U	10000	3900	ug/Kg	☼	11/11/20 19:48	11/13/20 21:16	100
Methylcyclohexane	10000	U	10000	4800	ug/Kg	☼	11/11/20 19:48	11/13/20 21:16	100
Methylene Chloride	10000	U	10000	2000	ug/Kg	☼	11/11/20 19:48	11/13/20 21:16	100
Tetrachloroethene	10000	U	10000	1400	ug/Kg	☼	11/11/20 19:48	11/13/20 21:16	100
Toluene	**19000**		10000	2800	ug/Kg	☼	11/11/20 19:48	11/13/20 21:16	100
trans-1,2-Dichloroethene	10000	U	10000	2400	ug/Kg	☼	11/11/20 19:48	11/13/20 21:16	100
trans-1,3-Dichloropropene	10000	U	10000	1000	ug/Kg	☼	11/11/20 19:48	11/13/20 21:16	100
Trichloroethene	10000	U	10000	2900	ug/Kg	☼	11/11/20 19:48	11/13/20 21:16	100
Trichlorofluoromethane	10000	U	10000	4800	ug/Kg	☼	11/11/20 19:48	11/13/20 21:16	100
Vinyl chloride	10000	U	10000	3400	ug/Kg	☼	11/11/20 19:48	11/13/20 21:16	100
Xylenes, Total	**37000**		21000	5700	ug/Kg	☼	11/11/20 19:48	11/13/20 21:16	100
cis-1,3-Dichloropropene	10000	U	10000	2500	ug/Kg	☼	11/11/20 19:48	11/13/20 21:16	100
Styrene	10000	U	10000	2500	ug/Kg	☼	11/11/20 19:48	11/13/20 21:16	100

Client Sample ID: B-14-11102020-0.3-0.8

Lab Sample ID: 480-177968-4

Date Collected: 11/10/20 10:55
Matrix: Solid
Date Received: 11/10/20 18:00
Percent Solids: 83.9

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	104		53 - 146	11/11/20 19:48	11/13/20 21:16	100
4-Bromofluorobenzene (Surr)	115		49 - 148	11/11/20 19:48	11/13/20 21:16	100
Toluene-d8 (Surr)	102		50 - 149	11/11/20 19:48	11/13/20 21:16	100
Dibromofluoromethane (Surr)	114		60 - 140	11/11/20 19:48	11/13/20 21:16	100

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	790000		200000	29000	ug/Kg	☼	11/16/20 07:51	11/21/20 10:53	20
Acenaphthylene	820000		200000	26000	ug/Kg	☼	11/16/20 07:51	11/21/20 10:53	20
Anthracene	1500000		200000	49000	ug/Kg	☼	11/16/20 07:51	11/21/20 10:53	20
Benzo[a]anthracene	2000000		200000	20000	ug/Kg	☼	11/16/20 07:51	11/21/20 10:53	20
Benzo[a]pyrene	2000000		200000	29000	ug/Kg	☼	11/16/20 07:51	11/21/20 10:53	20
Benzo[b]fluoranthene	1700000		200000	32000	ug/Kg	☼	11/16/20 07:51	11/21/20 10:53	20
Benzo[g,h,i]perylene	930000		200000	21000	ug/Kg	☼	11/16/20 07:51	11/21/20 10:53	20
Benzo[k]fluoranthene	780000		200000	26000	ug/Kg	☼	11/16/20 07:51	11/21/20 10:53	20
Chrysene	2100000		200000	44000	ug/Kg	☼	11/16/20 07:51	11/21/20 10:53	20
Dibenz(a,h)anthracene	300000		200000	35000	ug/Kg	☼	11/16/20 07:51	11/21/20 10:53	20
Fluoranthene	4300000		200000	21000	ug/Kg	☼	11/16/20 07:51	11/21/20 10:53	20
Fluorene	2700000		200000	23000	ug/Kg	☼	11/16/20 07:51	11/21/20 10:53	20
Indeno[1,2,3-cd]pyrene	850000		200000	25000	ug/Kg	☼	11/16/20 07:51	11/21/20 10:53	20
Pyrene	4200000		200000	23000	ug/Kg	☼	11/16/20 07:51	11/21/20 10:53	20

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	0	X	60 - 120	11/16/20 07:51	11/21/20 10:53	20
Nitrobenzene-d5 (Surr)	0	X	53 - 120	11/16/20 07:51	11/21/20 10:53	20
p-Terphenyl-d14 (Surr)	0	X	79 - 130	11/16/20 07:51	11/21/20 10:53	20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	8800000		500000	64000	ug/Kg	☼	11/16/20 07:51	11/24/20 00:08	50
Phenanthrene	9100000		500000	73000	ug/Kg	☼	11/16/20 07:51	11/24/20 00:08	50

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	0	X	60 - 120	11/16/20 07:51	11/24/20 00:08	50
Nitrobenzene-d5 (Surr)	0	X	53 - 120	11/16/20 07:51	11/24/20 00:08	50
p-Terphenyl-d14 (Surr)	0	X	79 - 130	11/16/20 07:51	11/24/20 00:08	50

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	11.4		0.61	0.25	mg/Kg	☼	11/23/20 08:35	11/24/20 00:44	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	1.2	U *	1.2	0.56	mg/Kg	☼	11/20/20 21:56	11/22/20 15:34	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	16.1		0.1	0.1	%			11/11/20 17:51	1
Percent Solids	83.9		0.1	0.1	%			11/11/20 17:51	1

Client: Parsons Corporation
Job ID: 480-177968-1
Project/Site: Honeywell - Tonawanda Plastics

Client Sample ID: B-14-11102020-4.5-5.0
Lab Sample ID: 480-177968-5
Date Collected: 11/10/20 11:00
Matrix: Solid
Date Received: 11/10/20 18:00
Percent Solids: 86.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	49	U	49	14	ug/Kg	☼	11/11/20 19:48	11/17/20 03:19	1
1,1,2,2-Tetrachloroethane	49	U	49	8.0	ug/Kg	☼	11/11/20 19:48	11/17/20 03:19	1
1,1,2-Trichloro-1,2,2-trifluoroethane	49	U	49	25	ug/Kg	☼	11/11/20 19:48	11/17/20 03:19	1
1,1,2-Trichloroethane	49	U	49	10	ug/Kg	☼	11/11/20 19:48	11/17/20 03:19	1
1,1-Dichloroethane	49	U	49	15	ug/Kg	☼	11/11/20 19:48	11/17/20 03:19	1
1,1-Dichloroethene	49	U	49	17	ug/Kg	☼	11/11/20 19:48	11/17/20 03:19	1
1,2,4-Trichlorobenzene	49	U	49	19	ug/Kg	☼	11/11/20 19:48	11/17/20 03:19	1
1,2-Dibromo-3-Chloropropane	49	U	49	25	ug/Kg	☼	11/11/20 19:48	11/17/20 03:19	1
1,2-Dichlorobenzene	49	U	49	13	ug/Kg	☼	11/11/20 19:48	11/17/20 03:19	1
1,2-Dichloroethane	49	U	49	20	ug/Kg	☼	11/11/20 19:48	11/17/20 03:19	1
1,2-Dichloropropane	49	U	49	8.0	ug/Kg	☼	11/11/20 19:48	11/17/20 03:19	1
1,3-Dichlorobenzene	49	U	49	13	ug/Kg	☼	11/11/20 19:48	11/17/20 03:19	1
1,4-Dichlorobenzene	49	U	49	6.9	ug/Kg	☼	11/11/20 19:48	11/17/20 03:19	1
2-Butanone (MEK)	250	U	250	150	ug/Kg	☼	11/11/20 19:48	11/17/20 03:19	1
2-Hexanone	250	U	250	100	ug/Kg	☼	11/11/20 19:48	11/17/20 03:19	1
4-Methyl-2-pentanone (MIBK)	250	U	250	16	ug/Kg	☼	11/11/20 19:48	11/17/20 03:19	1
Acetone	250	U	250	200	ug/Kg	☼	11/11/20 19:48	11/17/20 03:19	1
Benzene	49	U	49	9.4	ug/Kg	☼	11/11/20 19:48	11/17/20 03:19	1
Bromoform	49	U	49	25	ug/Kg	☼	11/11/20 19:48	11/17/20 03:19	1
Bromomethane	49	U	49	11	ug/Kg	☼	11/11/20 19:48	11/17/20 03:19	1
Carbon disulfide	49	U	49	22	ug/Kg	☼	11/11/20 19:48	11/17/20 03:19	1
Carbon tetrachloride	49	U	49	13	ug/Kg	☼	11/11/20 19:48	11/17/20 03:19	1
Chlorobenzene	49	U	49	6.5	ug/Kg	☼	11/11/20 19:48	11/17/20 03:19	1
Dibromochloromethane	49	U	49	24	ug/Kg	☼	11/11/20 19:48	11/17/20 03:19	1
Chloroethane	49	U	49	10	ug/Kg	☼	11/11/20 19:48	11/17/20 03:19	1
Chloroform	49	U	49	34	ug/Kg	☼	11/11/20 19:48	11/17/20 03:19	1
Chloromethane	49	U	49	12	ug/Kg	☼	11/11/20 19:48	11/17/20 03:19	1
cis-1,2-Dichloroethene	49	U	49	14	ug/Kg	☼	11/11/20 19:48	11/17/20 03:19	1
Cyclohexane	49	U	49	11	ug/Kg	☼	11/11/20 19:48	11/17/20 03:19	1
Bromodichloromethane	49	U	49	9.8	ug/Kg	☼	11/11/20 19:48	11/17/20 03:19	1
Dichlorodifluoromethane	49	U	49	21	ug/Kg	☼	11/11/20 19:48	11/17/20 03:19	1
Ethylbenzene	49	U	49	14	ug/Kg	☼	11/11/20 19:48	11/17/20 03:19	1
1,2-Dibromoethane	49	U	49	8.6	ug/Kg	☼	11/11/20 19:48	11/17/20 03:19	1
Isopropylbenzene	49	U	49	7.4	ug/Kg	☼	11/11/20 19:48	11/17/20 03:19	1
Methyl acetate	250	U	250	23	ug/Kg	☼	11/11/20 19:48	11/17/20 03:19	1
Methyl tert-butyl ether	49	U	49	19	ug/Kg	☼	11/11/20 19:48	11/17/20 03:19	1
Methylcyclohexane	49	U	49	23	ug/Kg	☼	11/11/20 19:48	11/17/20 03:19	1
Methylene Chloride	49	U	49	9.7	ug/Kg	☼	11/11/20 19:48	11/17/20 03:19	1
Tetrachloroethene	49	U	49	6.6	ug/Kg	☼	11/11/20 19:48	11/17/20 03:19	1
Toluene	49	U	49	13	ug/Kg	☼	11/11/20 19:48	11/17/20 03:19	1
trans-1,2-Dichloroethene	49	U	49	12	ug/Kg	☼	11/11/20 19:48	11/17/20 03:19	1
trans-1,3-Dichloropropene	49	U	49	4.8	ug/Kg	☼	11/11/20 19:48	11/17/20 03:19	1
Trichloroethene	49	U	49	14	ug/Kg	☼	11/11/20 19:48	11/17/20 03:19	1
Trichlorofluoromethane	49	U	49	23	ug/Kg	☼	11/11/20 19:48	11/17/20 03:19	1
Vinyl chloride	49	U	49	16	ug/Kg	☼	11/11/20 19:48	11/17/20 03:19	1
Xylenes, Total	98	U	98	27	ug/Kg	☼	11/11/20 19:48	11/17/20 03:19	1
cis-1,3-Dichloropropene	49	U	49	12	ug/Kg	☼	11/11/20 19:48	11/17/20 03:19	1
Styrene	49	U	49	12	ug/Kg	☼	11/11/20 19:48	11/17/20 03:19	1

Client Sample ID: B-14-11102020-4.5-5.0

Date Collected: 11/10/20 11:00
Date Received: 11/10/20 18:00

Lab Sample ID: 480-177968-5

Matrix: Solid
Percent Solids: 86.5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*103*		*53 - 146*	*11/11/20 19:48*	*11/17/20 03:19*	*1*
4-Bromofluorobenzene (Surr)	*113*		*49 - 148*	*11/11/20 19:48*	*11/17/20 03:19*	*1*
Toluene-d8 (Surr)	*98*		*50 - 149*	*11/11/20 19:48*	*11/17/20 03:19*	*1*
Dibromofluoromethane (Surr)	*109*		*60 - 140*	*11/11/20 19:48*	*11/17/20 03:19*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	**710**	**J**	980	140	ug/Kg	☼	11/16/20 07:51	11/21/20 11:17	5
Acenaphthylene	**590**	**J**	980	130	ug/Kg	☼	11/16/20 07:51	11/21/20 11:17	5
Anthracene	**1100**		980	240	ug/Kg	☼	11/16/20 07:51	11/21/20 11:17	5
Benzo[a]anthracene	**1600**		980	98	ug/Kg	☼	11/16/20 07:51	11/21/20 11:17	5
Benzo[a]pyrene	**1700**		980	140	ug/Kg	☼	11/16/20 07:51	11/21/20 11:17	5
Benzo[b]fluoranthene	**1300**		980	160	ug/Kg	☼	11/16/20 07:51	11/21/20 11:17	5
Benzo[g,h,i]perylene	**820**	**J**	980	100	ug/Kg	☼	11/16/20 07:51	11/21/20 11:17	5
Benzo[k]fluoranthene	**600**	**J**	980	130	ug/Kg	☼	11/16/20 07:51	11/21/20 11:17	5
Chrysene	**1800**		980	220	ug/Kg	☼	11/16/20 07:51	11/21/20 11:17	5
Dibenz(a,h)anthracene	**230**	**J**	980	170	ug/Kg	☼	11/16/20 07:51	11/21/20 11:17	5
Fluoranthene	**3400**		980	100	ug/Kg	☼	11/16/20 07:51	11/21/20 11:17	5
Fluorene	**2300**		980	120	ug/Kg	☼	11/16/20 07:51	11/21/20 11:17	5
Indeno[1,2,3-cd]pyrene	**610**	**J**	980	120	ug/Kg	☼	11/16/20 07:51	11/21/20 11:17	5
Naphthalene	**4900**		980	130	ug/Kg	☼	11/16/20 07:51	11/21/20 11:17	5
Phenanthrene	**8500**		980	140	ug/Kg	☼	11/16/20 07:51	11/21/20 11:17	5
Pyrene	**4200**		980	120	ug/Kg	☼	11/16/20 07:51	11/21/20 11:17	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*104*		*60 - 120*	*11/16/20 07:51*	*11/21/20 11:17*	*5*
Nitrobenzene-d5 (Surr)	*99*		*53 - 120*	*11/16/20 07:51*	*11/21/20 11:17*	*5*
p-Terphenyl-d14 (Surr)	*105*		*79 - 130*	*11/16/20 07:51*	*11/21/20 11:17*	*5*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	**14.7**		0.59	0.24	mg/Kg	☼	11/23/20 08:35	11/24/20 00:59	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	1.1	U *	1.1	0.52	mg/Kg	☼	11/20/20 21:56	11/22/20 15:36	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**13.5**		0.1	0.1	%			11/11/20 17:51	1
Percent Solids	**86.5**		0.1	0.1	%			11/11/20 17:51	1

Client: Parsons Corporation
Job ID: 480-177968-1
Project/Site: Honeywell - Tonawanda Plastics

Client Sample ID: B-16-11102020-0.9-1.4
Lab Sample ID: 480-177968-6
Date Collected: 11/10/20 12:20
Matrix: Solid
Date Received: 11/10/20 18:00
Percent Solids: 87.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	5800	U	5800	1600	ug/Kg	☼	11/11/20 19:48	11/13/20 22:03	100
1,1,2,2-Tetrachloroethane	5800	U	5800	940	ug/Kg	☼	11/11/20 19:48	11/13/20 22:03	100
1,1,2-Trichloro-1,2,2-trifluoroethane	5800	U	5800	2900	ug/Kg	☼	11/11/20 19:48	11/13/20 22:03	100
1,1,2-Trichloroethane	5800	U	5800	1200	ug/Kg	☼	11/11/20 19:48	11/13/20 22:03	100
1,1-Dichloroethane	5800	U	5800	1800	ug/Kg	☼	11/11/20 19:48	11/13/20 22:03	100
1,1-Dichloroethene	5800	U	5800	2000	ug/Kg	☼	11/11/20 19:48	11/13/20 22:03	100
1,2,4-Trichlorobenzene	5800	U	5800	2200	ug/Kg	☼	11/11/20 19:48	11/13/20 22:03	100
1,2-Dibromo-3-Chloropropane	5800	U	5800	2900	ug/Kg	☼	11/11/20 19:48	11/13/20 22:03	100
1,2-Dichlorobenzene	5800	U	5800	1500	ug/Kg	☼	11/11/20 19:48	11/13/20 22:03	100
1,2-Dichloroethane	5800	U	5800	2400	ug/Kg	☼	11/11/20 19:48	11/13/20 22:03	100
1,2-Dichloropropane	5800	U	5800	930	ug/Kg	☼	11/11/20 19:48	11/13/20 22:03	100
1,3-Dichlorobenzene	5800	U	5800	1500	ug/Kg	☼	11/11/20 19:48	11/13/20 22:03	100
1,4-Dichlorobenzene	5800	U	5800	810	ug/Kg	☼	11/11/20 19:48	11/13/20 22:03	100
2-Butanone (MEK)	29000	U	29000	17000	ug/Kg	☼	11/11/20 19:48	11/13/20 22:03	100
2-Hexanone	29000	U	29000	12000	ug/Kg	☼	11/11/20 19:48	11/13/20 22:03	100
4-Methyl-2-pentanone (MIBK)	29000	U	29000	1800	ug/Kg	☼	11/11/20 19:48	11/13/20 22:03	100
Acetone	29000	U	29000	24000	ug/Kg	☼	11/11/20 19:48	11/13/20 22:03	100
Benzene	**17000**		5800	1100	ug/Kg	☼	11/11/20 19:48	11/13/20 22:03	100
Bromoform	5800	U	5800	2900	ug/Kg	☼	11/11/20 19:48	11/13/20 22:03	100
Bromomethane	5800	U	5800	1300	ug/Kg	☼	11/11/20 19:48	11/13/20 22:03	100
Carbon disulfide	5800	U	5800	2600	ug/Kg	☼	11/11/20 19:48	11/13/20 22:03	100
Carbon tetrachloride	5800	U	5800	1500	ug/Kg	☼	11/11/20 19:48	11/13/20 22:03	100
Chlorobenzene	5800	U	5800	760	ug/Kg	☼	11/11/20 19:48	11/13/20 22:03	100
Dibromochloromethane	5800	U	5800	2800	ug/Kg	☼	11/11/20 19:48	11/13/20 22:03	100
Chloroethane	5800	U	5800	1200	ug/Kg	☼	11/11/20 19:48	11/13/20 22:03	100
Chloroform	5800	U	5800	4000	ug/Kg	☼	11/11/20 19:48	11/13/20 22:03	100
Chloromethane	5800	U	5800	1400	ug/Kg	☼	11/11/20 19:48	11/13/20 22:03	100
cis-1,2-Dichloroethene	5800	U	5800	1600	ug/Kg	☼	11/11/20 19:48	11/13/20 22:03	100
Cyclohexane	5800	U	5800	1300	ug/Kg	☼	11/11/20 19:48	11/13/20 22:03	100
Bromodichloromethane	5800	U	5800	1200	ug/Kg	☼	11/11/20 19:48	11/13/20 22:03	100
Dichlorodifluoromethane	5800	U	5800	2500	ug/Kg	☼	11/11/20 19:48	11/13/20 22:03	100
Ethylbenzene	**15000**		5800	1700	ug/Kg	☼	11/11/20 19:48	11/13/20 22:03	100
1,2-Dibromoethane	5800	U	5800	1000	ug/Kg	☼	11/11/20 19:48	11/13/20 22:03	100
Isopropylbenzene	5800	U	5800	860	ug/Kg	☼	11/11/20 19:48	11/13/20 22:03	100
Methyl acetate	29000	U	29000	2700	ug/Kg	☼	11/11/20 19:48	11/13/20 22:03	100
Methyl tert-butyl ether	5800	U	5800	2200	ug/Kg	☼	11/11/20 19:48	11/13/20 22:03	100
Methylcyclohexane	5800	U	5800	2700	ug/Kg	☼	11/11/20 19:48	11/13/20 22:03	100
Methylene Chloride	5800	U	5800	1100	ug/Kg	☼	11/11/20 19:48	11/13/20 22:03	100
Tetrachloroethene	5800	U	5800	770	ug/Kg	☼	11/11/20 19:48	11/13/20 22:03	100
Toluene	**36000**		5800	1500	ug/Kg	☼	11/11/20 19:48	11/13/20 22:03	100
trans-1,2-Dichloroethene	5800	U	5800	1400	ug/Kg	☼	11/11/20 19:48	11/13/20 22:03	100
trans-1,3-Dichloropropene	5800	U	5800	570	ug/Kg	☼	11/11/20 19:48	11/13/20 22:03	100
Trichloroethene	5800	U	5800	1600	ug/Kg	☼	11/11/20 19:48	11/13/20 22:03	100
Trichlorofluoromethane	5800	U	5800	2700	ug/Kg	☼	11/11/20 19:48	11/13/20 22:03	100
Vinyl chloride	5800	U	5800	1900	ug/Kg	☼	11/11/20 19:48	11/13/20 22:03	100
Xylenes, Total	**140000**		12000	3200	ug/Kg	☼	11/11/20 19:48	11/13/20 22:03	100
cis-1,3-Dichloropropene	5800	U	5800	1400	ug/Kg	☼	11/11/20 19:48	11/13/20 22:03	100
Styrene	**30000**		5800	1400	ug/Kg	☼	11/11/20 19:48	11/13/20 22:03	100

Client Sample ID: B-16-11102020-0.9-1.4

Lab Sample ID: 480-177968-6

Date Collected: 11/10/20 12:20
Matrix: Solid
Date Received: 11/10/20 18:00
Percent Solids: 87.4

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	113		53 - 146	11/11/20 19:48	11/13/20 22:03	100
4-Bromofluorobenzene (Surr)	114		49 - 148	11/11/20 19:48	11/13/20 22:03	100
Toluene-d8 (Surr)	104		50 - 149	11/11/20 19:48	11/13/20 22:03	100
Dibromofluoromethane (Surr)	117		60 - 140	11/11/20 19:48	11/13/20 22:03	100

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	670000		95000	14000	ug/Kg	☼	11/16/20 07:51	11/21/20 11:41	10
Acenaphthylene	2100000		95000	12000	ug/Kg	☼	11/16/20 07:51	11/21/20 11:41	10
Benzo[a]anthracene	2100000		95000	9500	ug/Kg	☼	11/16/20 07:51	11/21/20 11:41	10
Benzo[a]pyrene	1800000		95000	14000	ug/Kg	☼	11/16/20 07:51	11/21/20 11:41	10
Benzo[b]fluoranthene	1800000		95000	15000	ug/Kg	☼	11/16/20 07:51	11/21/20 11:41	10
Benzo[g,h,i]perylene	890000		95000	10000	ug/Kg	☼	11/16/20 07:51	11/21/20 11:41	10
Benzo[k]fluoranthene	970000		95000	12000	ug/Kg	☼	11/16/20 07:51	11/21/20 11:41	10
Chrysene	2000000		95000	21000	ug/Kg	☼	11/16/20 07:51	11/21/20 11:41	10
Dibenz(a,h)anthracene	310000		95000	17000	ug/Kg	☼	11/16/20 07:51	11/21/20 11:41	10
Indeno[1,2,3-cd]pyrene	900000		95000	12000	ug/Kg	☼	11/16/20 07:51	11/21/20 11:41	10

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	34	X	60 - 120	11/16/20 07:51	11/21/20 11:41	10
Nitrobenzene-d5 (Surr)	154	X	53 - 120	11/16/20 07:51	11/21/20 11:41	10
p-Terphenyl-d14 (Surr)	0	X	79 - 130	11/16/20 07:51	11/21/20 11:41	10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Anthracene	14000000		470000	120000	ug/Kg	☼	11/16/20 07:51	11/24/20 00:32	50
Fluoranthene	6100000		470000	50000	ug/Kg	☼	11/16/20 07:51	11/24/20 00:32	50
Fluorene	4400000		470000	56000	ug/Kg	☼	11/16/20 07:51	11/24/20 00:32	50
Naphthalene	10000000		470000	61000	ug/Kg	☼	11/16/20 07:51	11/24/20 00:32	50
Phenanthrene	11000000		470000	70000	ug/Kg	☼	11/16/20 07:51	11/24/20 00:32	50
Pyrene	4100000		470000	56000	ug/Kg	☼	11/16/20 07:51	11/24/20 00:32	50

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	0	X	60 - 120	11/16/20 07:51	11/24/20 00:32	50
Nitrobenzene-d5 (Surr)	0	X	53 - 120	11/16/20 07:51	11/24/20 00:32	50
p-Terphenyl-d14 (Surr)	0	X	79 - 130	11/16/20 07:51	11/24/20 00:32	50

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	17.7		0.60	0.24	mg/Kg	☼	11/23/20 08:35	11/24/20 01:03	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	1.0	U *	1.0	0.50	mg/Kg	☼	11/20/20 21:56	11/22/20 15:37	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	12.6		0.1	0.1	%			11/11/20 17:51	1
Percent Solids	87.4		0.1	0.1	%			11/11/20 17:51	1

Client: Parsons Corporation
Job ID: 480-177968-1
Project/Site: Honeywell - Tonawanda Plastics

Client Sample ID: B-16-11102020-2.5-3.0
Lab Sample ID: 480-177968-7
Date Collected: 11/10/20 12:25
Matrix: Solid
Date Received: 11/10/20 18:00
Percent Solids: 79.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	230	U	230	64	ug/Kg	☼	11/11/20 19:48	11/17/20 03:42	4
1,1,2,2-Tetrachloroethane	230	U	230	37	ug/Kg	☼	11/11/20 19:48	11/17/20 03:42	4
1,1,2-Trichloro-1,2,2-trifluoroethane	230	U	230	120	ug/Kg	☼	11/11/20 19:48	11/17/20 03:42	4
1,1,2-Trichloroethane	230	U	230	48	ug/Kg	☼	11/11/20 19:48	11/17/20 03:42	4
1,1-Dichloroethane	230	U	230	71	ug/Kg	☼	11/11/20 19:48	11/17/20 03:42	4
1,1-Dichloroethene	230	U	230	80	ug/Kg	☼	11/11/20 19:48	11/17/20 03:42	4
1,2,4-Trichlorobenzene	230	U	230	87	ug/Kg	☼	11/11/20 19:48	11/17/20 03:42	4
1,2-Dibromo-3-Chloropropane	230	U	230	120	ug/Kg	☼	11/11/20 19:48	11/17/20 03:42	4
1,2-Dichlorobenzene	230	U	230	59	ug/Kg	☼	11/11/20 19:48	11/17/20 03:42	4
1,2-Dichloroethane	230	U	230	94	ug/Kg	☼	11/11/20 19:48	11/17/20 03:42	4
1,2-Dichloropropane	230	U	230	37	ug/Kg	☼	11/11/20 19:48	11/17/20 03:42	4
1,3-Dichlorobenzene	230	U	230	62	ug/Kg	☼	11/11/20 19:48	11/17/20 03:42	4
1,4-Dichlorobenzene	230	U	230	32	ug/Kg	☼	11/11/20 19:48	11/17/20 03:42	4
2-Butanone (MEK)	1200	U	1200	690	ug/Kg	☼	11/11/20 19:48	11/17/20 03:42	4
2-Hexanone	1200	U	1200	470	ug/Kg	☼	11/11/20 19:48	11/17/20 03:42	4
4-Methyl-2-pentanone (MIBK)	1200	U	1200	74	ug/Kg	☼	11/11/20 19:48	11/17/20 03:42	4
Acetone	1200	U	1200	950	ug/Kg	☼	11/11/20 19:48	11/17/20 03:42	4
Benzene	230	U	230	44	ug/Kg	☼	11/11/20 19:48	11/17/20 03:42	4
Bromoform	230	U	230	120	ug/Kg	☼	11/11/20 19:48	11/17/20 03:42	4
Bromomethane	230	U	230	51	ug/Kg	☼	11/11/20 19:48	11/17/20 03:42	4
Carbon disulfide	230	U	230	110	ug/Kg	☼	11/11/20 19:48	11/17/20 03:42	4
Carbon tetrachloride	230	U	230	59	ug/Kg	☼	11/11/20 19:48	11/17/20 03:42	4
Chlorobenzene	230	U	230	30	ug/Kg	☼	11/11/20 19:48	11/17/20 03:42	4
Dibromochloromethane	230	U	230	110	ug/Kg	☼	11/11/20 19:48	11/17/20 03:42	4
Chloroethane	230	U	230	48	ug/Kg	☼	11/11/20 19:48	11/17/20 03:42	4
Chloroform	230	U	230	160	ug/Kg	☼	11/11/20 19:48	11/17/20 03:42	4
Chloromethane	230	U	230	55	ug/Kg	☼	11/11/20 19:48	11/17/20 03:42	4
cis-1,2-Dichloroethene	230	U	230	64	ug/Kg	☼	11/11/20 19:48	11/17/20 03:42	4
Cyclohexane	230	U	230	51	ug/Kg	☼	11/11/20 19:48	11/17/20 03:42	4
Bromodichloromethane	230	U	230	46	ug/Kg	☼	11/11/20 19:48	11/17/20 03:42	4
Dichlorodifluoromethane	230	U	230	100	ug/Kg	☼	11/11/20 19:48	11/17/20 03:42	4
Ethylbenzene	230	U	230	67	ug/Kg	☼	11/11/20 19:48	11/17/20 03:42	4
1,2-Dibromoethane	230	U	230	40	ug/Kg	☼	11/11/20 19:48	11/17/20 03:42	4
Isopropylbenzene	230	U	230	35	ug/Kg	☼	11/11/20 19:48	11/17/20 03:42	4
Methyl acetate	1200	U	1200	110	ug/Kg	☼	11/11/20 19:48	11/17/20 03:42	4
Methyl tert-butyl ether	230	U	230	87	ug/Kg	☼	11/11/20 19:48	11/17/20 03:42	4
Methylcyclohexane	230	U	230	110	ug/Kg	☼	11/11/20 19:48	11/17/20 03:42	4
Methylene Chloride	230	U	230	46	ug/Kg	☼	11/11/20 19:48	11/17/20 03:42	4
Tetrachloroethene	230	U	230	31	ug/Kg	☼	11/11/20 19:48	11/17/20 03:42	4
Toluene	230	U	230	62	ug/Kg	☼	11/11/20 19:48	11/17/20 03:42	4
trans-1,2-Dichloroethene	230	U	230	54	ug/Kg	☼	11/11/20 19:48	11/17/20 03:42	4
trans-1,3-Dichloropropene	230	U	230	23	ug/Kg	☼	11/11/20 19:48	11/17/20 03:42	4
Trichloroethene	230	U	230	64	ug/Kg	☼	11/11/20 19:48	11/17/20 03:42	4
Trichlorofluoromethane	230	U	230	110	ug/Kg	☼	11/11/20 19:48	11/17/20 03:42	4
Vinyl chloride	230	U	230	77	ug/Kg	☼	11/11/20 19:48	11/17/20 03:42	4
Xylenes, Total	460	U	460	130	ug/Kg	☼	11/11/20 19:48	11/17/20 03:42	4
cis-1,3-Dichloropropene	230	U	230	55	ug/Kg	☼	11/11/20 19:48	11/17/20 03:42	4
Styrene	230	U	230	56	ug/Kg	☼	11/11/20 19:48	11/17/20 03:42	4

Client Sample ID: B-16-11102020-2.5-3.0
Date Collected: 11/10/20 12:25
Date Received: 11/10/20 18:00

Lab Sample ID: 480-177968-7
Matrix: Solid
Percent Solids: 79.2

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*119*		*53 - 146*	*11/11/20 19:48*	*11/17/20 03:42*	*4*
4-Bromofluorobenzene (Surr)	*111*		*49 - 148*	*11/11/20 19:48*	*11/17/20 03:42*	*4*
Toluene-d8 (Surr)	*101*		*50 - 149*	*11/11/20 19:48*	*11/17/20 03:42*	*4*
Dibromofluoromethane (Surr)	*125*		*60 - 140*	*11/11/20 19:48*	*11/17/20 03:42*	*4*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	**31**	**J**	210	31	ug/Kg	☼	11/16/20 07:51	11/21/20 12:06	1
Acenaphthylene	**90**	**J**	210	28	ug/Kg	☼	11/16/20 07:51	11/21/20 12:06	1
Anthracene	**310**		210	53	ug/Kg	☼	11/16/20 07:51	11/21/20 12:06	1
Benzo[a]anthracene	**76**	**J**	210	21	ug/Kg	☼	11/16/20 07:51	11/21/20 12:06	1
Benzo[a]pyrene	**85**	**J**	210	31	ug/Kg	☼	11/16/20 07:51	11/21/20 12:06	1
Benzo[b]fluoranthene	**110**	**J**	210	34	ug/Kg	☼	11/16/20 07:51	11/21/20 12:06	1
Benzo[g,h,i]perylene	**47**	**J**	210	23	ug/Kg	☼	11/16/20 07:51	11/21/20 12:06	1
Benzo[k]fluoranthene	**39**	**J**	210	28	ug/Kg	☼	11/16/20 07:51	11/21/20 12:06	1
Chrysene	**87**	**J**	210	48	ug/Kg	☼	11/16/20 07:51	11/21/20 12:06	1
Dibenz(a,h)anthracene	210	U	210	38	ug/Kg	☼	11/16/20 07:51	11/21/20 12:06	1
Fluoranthene	**200**	**J**	210	23	ug/Kg	☼	11/16/20 07:51	11/21/20 12:06	1
Fluorene	**85**	**J**	210	25	ug/Kg	☼	11/16/20 07:51	11/21/20 12:06	1
Indeno[1,2,3-cd]pyrene	**46**	**J**	210	26	ug/Kg	☼	11/16/20 07:51	11/21/20 12:06	1
Naphthalene	**1900**		210	28	ug/Kg	☼	11/16/20 07:51	11/21/20 12:06	1
Phenanthrene	**230**		210	31	ug/Kg	☼	11/16/20 07:51	11/21/20 12:06	1
Pyrene	**150**	**J**	210	25	ug/Kg	☼	11/16/20 07:51	11/21/20 12:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*85*		*60 - 120*	*11/16/20 07:51*	*11/21/20 12:06*	*1*
Nitrobenzene-d5 (Surr)	*80*		*53 - 120*	*11/16/20 07:51*	*11/21/20 12:06*	*1*
p-Terphenyl-d14 (Surr)	*84*		*79 - 130*	*11/16/20 07:51*	*11/21/20 12:06*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	**22.8**		0.60	0.24	mg/Kg	☼	11/23/20 08:35	11/24/20 01:07	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	1.1	U *	1.1	0.53	mg/Kg	☼	11/20/20 21:56	11/22/20 15:42	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**20.8**		0.1	0.1	%			11/11/20 17:51	1
Percent Solids	**79.2**		0.1	0.1	%			11/11/20 17:51	1

Client: Parsons Corporation
Job ID: 480-177968-1
Project/Site: Honeywell - Tonawanda Plastics

Client Sample ID: B-29-11102020-1.8-2.3
Lab Sample ID: 480-177968-8
Date Collected: 11/10/20 13:00
Matrix: Solid
Date Received: 11/10/20 18:00
Percent Solids: 75.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	5.3	U	5.3	0.39	ug/Kg	☼	11/11/20 15:50	11/17/20 14:57	1
1,1,2,2-Tetrachloroethane	5.3	U	5.3	0.87	ug/Kg	☼	11/11/20 15:50	11/17/20 14:57	1
1,1,2-Trichloro-1,2,2-trifluoroethane	5.3	U	5.3	1.2	ug/Kg	☼	11/11/20 15:50	11/17/20 14:57	1
1,1,2-Trichloroethane	5.3	U	5.3	0.69	ug/Kg	☼	11/11/20 15:50	11/17/20 14:57	1
1,1-Dichloroethane	5.3	U	5.3	0.65	ug/Kg	☼	11/11/20 15:50	11/17/20 14:57	1
1,1-Dichloroethene	5.3	U	5.3	0.65	ug/Kg	☼	11/11/20 15:50	11/17/20 14:57	1
1,2,4-Trichlorobenzene	5.3	U	5.3	0.32	ug/Kg	☼	11/11/20 15:50	11/17/20 14:57	1
1,2-Dibromo-3-Chloropropane	5.3	U	5.3	2.7	ug/Kg	☼	11/11/20 15:50	11/17/20 14:57	1
1,2-Dibromoethane	5.3	U	5.3	0.69	ug/Kg	☼	11/11/20 15:50	11/17/20 14:57	1
1,2-Dichlorobenzene	5.3	U	5.3	0.42	ug/Kg	☼	11/11/20 15:50	11/17/20 14:57	1
1,2-Dichloroethane	5.3	U	5.3	0.27	ug/Kg	☼	11/11/20 15:50	11/17/20 14:57	1
1,2-Dichloropropane	5.3	U	5.3	2.7	ug/Kg	☼	11/11/20 15:50	11/17/20 14:57	1
1,3-Dichlorobenzene	5.3	U	5.3	0.27	ug/Kg	☼	11/11/20 15:50	11/17/20 14:57	1
1,4-Dichlorobenzene	5.3	U	5.3	0.75	ug/Kg	☼	11/11/20 15:50	11/17/20 14:57	1
2-Butanone (MEK)	27	U	27	2.0	ug/Kg	☼	11/11/20 15:50	11/17/20 14:57	1
2-Hexanone	27	U	27	2.7	ug/Kg	☼	11/11/20 15:50	11/17/20 14:57	1
4-Methyl-2-pentanone (MIBK)	27	U	27	1.8	ug/Kg	☼	11/11/20 15:50	11/17/20 14:57	1
Acetone	27	U	27	4.5	ug/Kg	☼	11/11/20 15:50	11/17/20 14:57	1
Benzene	5.3	U	5.3	0.26	ug/Kg	☼	11/11/20 15:50	11/17/20 14:57	1
Bromodichloromethane	5.3	U	5.3	0.72	ug/Kg	☼	11/11/20 15:50	11/17/20 14:57	1
Bromoform	5.3	U	5.3	2.7	ug/Kg	☼	11/11/20 15:50	11/17/20 14:57	1
Bromomethane	5.3	U	5.3	0.48	ug/Kg	☼	11/11/20 15:50	11/17/20 14:57	1
Carbon disulfide	5.3	U	5.3	2.7	ug/Kg	☼	11/11/20 15:50	11/17/20 14:57	1
Carbon tetrachloride	5.3	U	5.3	0.52	ug/Kg	☼	11/11/20 15:50	11/17/20 14:57	1
Chlorobenzene	5.3	U	5.3	0.71	ug/Kg	☼	11/11/20 15:50	11/17/20 14:57	1
Chloroethane	5.3	U	5.3	1.2	ug/Kg	☼	11/11/20 15:50	11/17/20 14:57	1
Chloroform	5.3	U	5.3	0.33	ug/Kg	☼	11/11/20 15:50	11/17/20 14:57	1
Chloromethane	5.3	U	5.3	0.32	ug/Kg	☼	11/11/20 15:50	11/17/20 14:57	1
cis-1,2-Dichloroethene	5.3	U	5.3	0.68	ug/Kg	☼	11/11/20 15:50	11/17/20 14:57	1
cis-1,3-Dichloropropene	5.3	U	5.3	0.77	ug/Kg	☼	11/11/20 15:50	11/17/20 14:57	1
Cyclohexane	5.3	U	5.3	0.75	ug/Kg	☼	11/11/20 15:50	11/17/20 14:57	1
Dibromochloromethane	5.3	U	5.3	0.68	ug/Kg	☼	11/11/20 15:50	11/17/20 14:57	1
Dichlorodifluoromethane	5.3	U	5.3	0.44	ug/Kg	☼	11/11/20 15:50	11/17/20 14:57	1
Ethylbenzene	5.3	U	5.3	0.37	ug/Kg	☼	11/11/20 15:50	11/17/20 14:57	1
Isopropylbenzene	5.3	U	5.3	0.81	ug/Kg	☼	11/11/20 15:50	11/17/20 14:57	1
Methyl acetate	27	U	27	3.2	ug/Kg	☼	11/11/20 15:50	11/17/20 14:57	1
Methyl tert-butyl ether	5.3	U	5.3	0.52	ug/Kg	☼	11/11/20 15:50	11/17/20 14:57	1
Methylcyclohexane	5.3	U	5.3	0.81	ug/Kg	☼	11/11/20 15:50	11/17/20 14:57	1
Methylene Chloride	5.3	U	5.3	2.5	ug/Kg	☼	11/11/20 15:50	11/17/20 14:57	1
Styrene	5.3	U	5.3	0.27	ug/Kg	☼	11/11/20 15:50	11/17/20 14:57	1
Tetrachloroethene	5.3	U	5.3	0.72	ug/Kg	☼	11/11/20 15:50	11/17/20 14:57	1
Toluene	5.3	U	5.3	0.40	ug/Kg	☼	11/11/20 15:50	11/17/20 14:57	1
trans-1,2-Dichloroethene	5.3	U	5.3	0.55	ug/Kg	☼	11/11/20 15:50	11/17/20 14:57	1
trans-1,3-Dichloropropene	5.3	U	5.3	2.4	ug/Kg	☼	11/11/20 15:50	11/17/20 14:57	1
Trichloroethene	5.3	U	5.3	1.2	ug/Kg	☼	11/11/20 15:50	11/17/20 14:57	1
Trichlorofluoromethane	5.3	U	5.3	0.51	ug/Kg	☼	11/11/20 15:50	11/17/20 14:57	1
Vinyl chloride	5.3	U	5.3	0.65	ug/Kg	☼	11/11/20 15:50	11/17/20 14:57	1
Xylenes, Total	11	U	11	0.90	ug/Kg	☼	11/11/20 15:50	11/17/20 14:57	1

Client: Parsons Corporation
Project/Site: Honeywell - Tonawanda Plastics

Job ID: 480-177968-1

Client Sample ID: B-29-11102020-1.8-2.3
Date Collected: 11/10/20 13:00
Date Received: 11/10/20 18:00

Lab Sample ID: 480-177968-8
Matrix: Solid
Percent Solids: 75.8

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	108		64 - 126	11/11/20 15:50	11/17/20 14:57	1
4-Bromofluorobenzene (Surr)	101		72 - 126	11/11/20 15:50	11/17/20 14:57	1
Dibromofluoromethane (Surr)	107		60 - 140	11/11/20 15:50	11/17/20 14:57	1
Toluene-d8 (Surr)	98		71 - 125	11/11/20 15:50	11/17/20 14:57	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	220	U	220	32	ug/Kg	☼	11/16/20 07:51	11/21/20 12:30	1
Acenaphthylene	**40**	**J**	220	28	ug/Kg	☼	11/16/20 07:51	11/21/20 12:30	1
Anthracene	220	U	220	54	ug/Kg	☼	11/16/20 07:51	11/21/20 12:30	1
Benzo[a]anthracene	**100**	**J**	220	22	ug/Kg	☼	11/16/20 07:51	11/21/20 12:30	1
Benzo[a]pyrene	**140**	**J**	220	32	ug/Kg	☼	11/16/20 07:51	11/21/20 12:30	1
Benzo[b]fluoranthene	**180**	**J**	220	35	ug/Kg	☼	11/16/20 07:51	11/21/20 12:30	1
Benzo[g,h,i]perylene	**75**	**J**	220	23	ug/Kg	☼	11/16/20 07:51	11/21/20 12:30	1
Benzo[k]fluoranthene	**55**	**J**	220	28	ug/Kg	☼	11/16/20 07:51	11/21/20 12:30	1
Chrysene	**96**	**J**	220	49	ug/Kg	☼	11/16/20 07:51	11/21/20 12:30	1
Dibenz(a,h)anthracene	220	U	220	39	ug/Kg	☼	11/16/20 07:51	11/21/20 12:30	1
Fluoranthene	**230**		220	23	ug/Kg	☼	11/16/20 07:51	11/21/20 12:30	1
Fluorene	220	U	220	26	ug/Kg	☼	11/16/20 07:51	11/21/20 12:30	1
Indeno[1,2,3-cd]pyrene	**74**	**J**	220	27	ug/Kg	☼	11/16/20 07:51	11/21/20 12:30	1
Naphthalene	**440**		220	28	ug/Kg	☼	11/16/20 07:51	11/21/20 12:30	1
Phenanthrene	**54**	**J**	220	32	ug/Kg	☼	11/16/20 07:51	11/21/20 12:30	1
Pyrene	**160**	**J**	220	26	ug/Kg	☼	11/16/20 07:51	11/21/20 12:30	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	90		60 - 120	11/16/20 07:51	11/21/20 12:30	1
Nitrobenzene-d5 (Surr)	88		53 - 120	11/16/20 07:51	11/21/20 12:30	1
p-Terphenyl-d14 (Surr)	90		79 - 130	11/16/20 07:51	11/21/20 12:30	1

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	**37.6**		0.63	0.25	mg/Kg	☼	11/23/20 08:35	11/24/20 01:11	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	1.3	U *	1.3	0.60	mg/Kg	☼	11/20/20 21:56	11/22/20 15:43	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**24.2**		0.1	0.1	%			11/11/20 17:51	1
Percent Solids	**75.8**		0.1	0.1	%			11/11/20 17:51	1

Client: Parsons Corporation
Job ID: 480-177968-1
Project/Site: Honeywell - Tonawanda Plastics

Client Sample ID: B-30-11102020-0.5-1.0
Lab Sample ID: 480-177968-9
Date Collected: 11/10/20 13:20
Matrix: Solid
Date Received: 11/10/20 18:00
Percent Solids: 87.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	14000	U	14000	3800	ug/Kg	☼	11/11/20 19:48	11/13/20 23:12	200
1,1,2,2-Tetrachloroethane	14000	U	14000	2200	ug/Kg	☼	11/11/20 19:48	11/13/20 23:12	200
1,1,2-Trichloro-1,2,2-trifluoroethane	14000	U	14000	6800	ug/Kg	☼	11/11/20 19:48	11/13/20 23:12	200
1,1,2-Trichloroethane	14000	U	14000	2900	ug/Kg	☼	11/11/20 19:48	11/13/20 23:12	200
1,1-Dichloroethane	14000	U	14000	4200	ug/Kg	☼	11/11/20 19:48	11/13/20 23:12	200
1,1-Dichloroethene	14000	U	14000	4700	ug/Kg	☼	11/11/20 19:48	11/13/20 23:12	200
1,2,4-Trichlorobenzene	14000	U	14000	5100	ug/Kg	☼	11/11/20 19:48	11/13/20 23:12	200
1,2-Dibromo-3-Chloropropane	14000	U	14000	6800	ug/Kg	☼	11/11/20 19:48	11/13/20 23:12	200
1,2-Dichlorobenzene	14000	U	14000	3500	ug/Kg	☼	11/11/20 19:48	11/13/20 23:12	200
1,2-Dichloroethane	14000	U	14000	5600	ug/Kg	☼	11/11/20 19:48	11/13/20 23:12	200
1,2-Dichloropropane	14000	U	14000	2200	ug/Kg	☼	11/11/20 19:48	11/13/20 23:12	200
1,3-Dichlorobenzene	14000	U	14000	3600	ug/Kg	☼	11/11/20 19:48	11/13/20 23:12	200
1,4-Dichlorobenzene	14000	U	14000	1900	ug/Kg	☼	11/11/20 19:48	11/13/20 23:12	200
2-Butanone (MEK)	68000	U	68000	40000	ug/Kg	☼	11/11/20 19:48	11/13/20 23:12	200
2-Hexanone	68000	U	68000	28000	ug/Kg	☼	11/11/20 19:48	11/13/20 23:12	200
4-Methyl-2-pentanone (MIBK)	68000	U	68000	4300	ug/Kg	☼	11/11/20 19:48	11/13/20 23:12	200
Acetone	68000	U	68000	56000	ug/Kg	☼	11/11/20 19:48	11/13/20 23:12	200
Benzene	**29000**		14000	2600	ug/Kg	☼	11/11/20 19:48	11/13/20 23:12	200
Bromoform	14000	U	14000	6800	ug/Kg	☼	11/11/20 19:48	11/13/20 23:12	200
Bromomethane	14000	U	14000	3000	ug/Kg	☼	11/11/20 19:48	11/13/20 23:12	200
Carbon disulfide	14000	U	14000	6200	ug/Kg	☼	11/11/20 19:48	11/13/20 23:12	200
Carbon tetrachloride	14000	U	14000	3500	ug/Kg	☼	11/11/20 19:48	11/13/20 23:12	200
Chlorobenzene	14000	U	14000	1800	ug/Kg	☼	11/11/20 19:48	11/13/20 23:12	200
Dibromochloromethane	14000	U	14000	6600	ug/Kg	☼	11/11/20 19:48	11/13/20 23:12	200
Chloroethane	14000	U	14000	2800	ug/Kg	☼	11/11/20 19:48	11/13/20 23:12	200
Chloroform	14000	U	14000	9300	ug/Kg	☼	11/11/20 19:48	11/13/20 23:12	200
Chloromethane	14000	U	14000	3200	ug/Kg	☼	11/11/20 19:48	11/13/20 23:12	200
cis-1,2-Dichloroethene	14000	U	14000	3700	ug/Kg	☼	11/11/20 19:48	11/13/20 23:12	200
Cyclohexane	14000	U	14000	3000	ug/Kg	☼	11/11/20 19:48	11/13/20 23:12	200
Bromodichloromethane	14000	U	14000	2700	ug/Kg	☼	11/11/20 19:48	11/13/20 23:12	200
Dichlorodifluoromethane	14000	U	14000	5900	ug/Kg	☼	11/11/20 19:48	11/13/20 23:12	200
Ethylbenzene	14000	U	14000	4000	ug/Kg	☼	11/11/20 19:48	11/13/20 23:12	200
1,2-Dibromoethane	14000	U	14000	2400	ug/Kg	☼	11/11/20 19:48	11/13/20 23:12	200
Isopropylbenzene	14000	U	14000	2000	ug/Kg	☼	11/11/20 19:48	11/13/20 23:12	200
Methyl acetate	68000	U	68000	6500	ug/Kg	☼	11/11/20 19:48	11/13/20 23:12	200
Methyl tert-butyl ether	14000	U	14000	5100	ug/Kg	☼	11/11/20 19:48	11/13/20 23:12	200
Methylcyclohexane	14000	U	14000	6400	ug/Kg	☼	11/11/20 19:48	11/13/20 23:12	200
Methylene Chloride	14000	U	14000	2700	ug/Kg	☼	11/11/20 19:48	11/13/20 23:12	200
Tetrachloroethene	14000	U	14000	1800	ug/Kg	☼	11/11/20 19:48	11/13/20 23:12	200
Toluene	**19000**		14000	3600	ug/Kg	☼	11/11/20 19:48	11/13/20 23:12	200
trans-1,2-Dichloroethene	14000	U	14000	3200	ug/Kg	☼	11/11/20 19:48	11/13/20 23:12	200
trans-1,3-Dichloropropene	14000	U	14000	1300	ug/Kg	☼	11/11/20 19:48	11/13/20 23:12	200
Trichloroethene	14000	U	14000	3800	ug/Kg	☼	11/11/20 19:48	11/13/20 23:12	200
Trichlorofluoromethane	14000	U	14000	6400	ug/Kg	☼	11/11/20 19:48	11/13/20 23:12	200
Vinyl chloride	14000	U	14000	4500	ug/Kg	☼	11/11/20 19:48	11/13/20 23:12	200
Xylenes, Total	**28000**		27000	7500	ug/Kg	☼	11/11/20 19:48	11/13/20 23:12	200
cis-1,3-Dichloropropene	14000	U	14000	3200	ug/Kg	☼	11/11/20 19:48	11/13/20 23:12	200
Styrene	**15000**		14000	3300	ug/Kg	☼	11/11/20 19:48	11/13/20 23:12	200

Client Sample ID: B-30-11102020-0.5-1.0

Date Collected: 11/10/20 13:20
Date Received: 11/10/20 18:00

Lab Sample ID: 480-177968-9

Matrix: Solid
Percent Solids: 87.5

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	106		53 - 146	11/11/20 19:48	11/13/20 23:12	200
4-Bromofluorobenzene (Surr)	113		49 - 148	11/11/20 19:48	11/13/20 23:12	200
Toluene-d8 (Surr)	100		50 - 149	11/11/20 19:48	11/13/20 23:12	200
Dibromofluoromethane (Surr)	113		60 - 140	11/11/20 19:48	11/13/20 23:12	200

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	410000		200000	29000	ug/Kg	☼	11/16/20 07:51	11/21/20 12:54	20
Acenaphthylene	3300000		200000	25000	ug/Kg	☼	11/16/20 07:51	11/21/20 12:54	20
Anthracene	4200000		200000	48000	ug/Kg	☼	11/16/20 07:51	11/21/20 12:54	20
Benzo[a]anthracene	3100000		200000	20000	ug/Kg	☼	11/16/20 07:51	11/21/20 12:54	20
Benzo[a]pyrene	2800000		200000	29000	ug/Kg	☼	11/16/20 07:51	11/21/20 12:54	20
Benzo[b]fluoranthene	3200000		200000	31000	ug/Kg	☼	11/16/20 07:51	11/21/20 12:54	20
Benzo[g,h,i]perylene	1500000		200000	21000	ug/Kg	☼	11/16/20 07:51	11/21/20 12:54	20
Benzo[k]fluoranthene	1200000		200000	25000	ug/Kg	☼	11/16/20 07:51	11/21/20 12:54	20
Chrysene	3000000		200000	44000	ug/Kg	☼	11/16/20 07:51	11/21/20 12:54	20
Dibenz(a,h)anthracene	460000		200000	35000	ug/Kg	☼	11/16/20 07:51	11/21/20 12:54	20
Fluorene	3900000		200000	23000	ug/Kg	☼	11/16/20 07:51	11/21/20 12:54	20
Indeno[1,2,3-cd]pyrene	1400000		200000	24000	ug/Kg	☼	11/16/20 07:51	11/21/20 12:54	20
Pyrene	5900000		200000	23000	ug/Kg	☼	11/16/20 07:51	11/21/20 12:54	20

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	0	X	60 - 120	11/16/20 07:51	11/21/20 12:54	20
Nitrobenzene-d5 (Surr)	0	X	53 - 120	11/16/20 07:51	11/21/20 12:54	20
p-Terphenyl-d14 (Surr)	0	X	79 - 130	11/16/20 07:51	11/21/20 12:54	20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	9400000		980000	100000	ug/Kg	☼	11/16/20 07:51	11/24/20 00:56	100
Naphthalene	11000000		980000	130000	ug/Kg	☼	11/16/20 07:51	11/24/20 00:56	100
Phenanthrene	13000000		980000	140000	ug/Kg	☼	11/16/20 07:51	11/24/20 00:56	100

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	0	X	60 - 120	11/16/20 07:51	11/24/20 00:56	100
Nitrobenzene-d5 (Surr)	0	X	53 - 120	11/16/20 07:51	11/24/20 00:56	100
p-Terphenyl-d14 (Surr)	0	X	79 - 130	11/16/20 07:51	11/24/20 00:56	100

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	8.4		0.55	0.22	mg/Kg	☼	11/23/20 08:35	11/24/20 01:15	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	3.7	*	0.95	0.46	mg/Kg	☼	11/20/20 21:56	11/22/20 15:44	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	12.5		0.1	0.1	%			11/11/20 17:51	1
Percent Solids	87.5		0.1	0.1	%			11/11/20 17:51	1

Client: Parsons Corporation
Job ID: 480-177968-1
Project/Site: Honeywell - Tonawanda Plastics

Client Sample ID: B-30-11102020-3.5-4.0
Lab Sample ID: 480-177968-10
Date Collected: 11/10/20 14:00
Matrix: Solid
Date Received: 11/10/20 18:00
Percent Solids: 87.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	4.8	U	4.8	0.35	ug/Kg	☼	11/11/20 15:50	11/19/20 00:57	1
1,1,2,2-Tetrachloroethane	4.8	U	4.8	0.78	ug/Kg	☼	11/11/20 15:50	11/19/20 00:57	1
1,1,2-Trichloro-1,2,2-trifluoroethane	4.8	U	4.8	1.1	ug/Kg	☼	11/11/20 15:50	11/19/20 00:57	1
1,1,2-Trichloroethane	4.8	U	4.8	0.63	ug/Kg	☼	11/11/20 15:50	11/19/20 00:57	1
1,1-Dichloroethane	4.8	U	4.8	0.59	ug/Kg	☼	11/11/20 15:50	11/19/20 00:57	1
1,1-Dichloroethene	4.8	U	4.8	0.59	ug/Kg	☼	11/11/20 15:50	11/19/20 00:57	1
1,2,4-Trichlorobenzene	4.8	U	4.8	0.29	ug/Kg	☼	11/11/20 15:50	11/19/20 00:57	1
1,2-Dibromo-3-Chloropropane	4.8	U	4.8	2.4	ug/Kg	☼	11/11/20 15:50	11/19/20 00:57	1
1,2-Dibromoethane	4.8	U	4.8	0.62	ug/Kg	☼	11/11/20 15:50	11/19/20 00:57	1
1,2-Dichlorobenzene	4.8	U	4.8	0.38	ug/Kg	☼	11/11/20 15:50	11/19/20 00:57	1
1,2-Dichloroethane	4.8	U	4.8	0.24	ug/Kg	☼	11/11/20 15:50	11/19/20 00:57	1
1,2-Dichloropropane	4.8	U	4.8	2.4	ug/Kg	☼	11/11/20 15:50	11/19/20 00:57	1
1,3-Dichlorobenzene	4.8	U	4.8	0.25	ug/Kg	☼	11/11/20 15:50	11/19/20 00:57	1
1,4-Dichlorobenzene	4.8	U	4.8	0.68	ug/Kg	☼	11/11/20 15:50	11/19/20 00:57	1
2-Butanone (MEK)	24	U	24	1.8	ug/Kg	☼	11/11/20 15:50	11/19/20 00:57	1
2-Hexanone	24	U	24	2.4	ug/Kg	☼	11/11/20 15:50	11/19/20 00:57	1
4-Methyl-2-pentanone (MIBK)	24	U	24	1.6	ug/Kg	☼	11/11/20 15:50	11/19/20 00:57	1
Acetone	**21**	**J**	24	4.1	ug/Kg	☼	11/11/20 15:50	11/19/20 00:57	1
Benzene	4.8	U	4.8	0.24	ug/Kg	☼	11/11/20 15:50	11/19/20 00:57	1
Bromodichloromethane	4.8	U	4.8	0.65	ug/Kg	☼	11/11/20 15:50	11/19/20 00:57	1
Bromoform	4.8	U	4.8	2.4	ug/Kg	☼	11/11/20 15:50	11/19/20 00:57	1
Bromomethane	4.8	U	4.8	0.44	ug/Kg	☼	11/11/20 15:50	11/19/20 00:57	1
Carbon disulfide	4.8	U	4.8	2.4	ug/Kg	☼	11/11/20 15:50	11/19/20 00:57	1
Carbon tetrachloride	4.8	U	4.8	0.47	ug/Kg	☼	11/11/20 15:50	11/19/20 00:57	1
Chlorobenzene	4.8	U	4.8	0.64	ug/Kg	☼	11/11/20 15:50	11/19/20 00:57	1
Chloroethane	4.8	U	4.8	1.1	ug/Kg	☼	11/11/20 15:50	11/19/20 00:57	1
Chloroform	4.8	U	4.8	0.30	ug/Kg	☼	11/11/20 15:50	11/19/20 00:57	1
Chloromethane	4.8	U	4.8	0.29	ug/Kg	☼	11/11/20 15:50	11/19/20 00:57	1
cis-1,2-Dichloroethene	4.8	U	4.8	0.62	ug/Kg	☼	11/11/20 15:50	11/19/20 00:57	1
cis-1,3-Dichloropropene	4.8	U	4.8	0.70	ug/Kg	☼	11/11/20 15:50	11/19/20 00:57	1
Cyclohexane	4.8	U	4.8	0.68	ug/Kg	☼	11/11/20 15:50	11/19/20 00:57	1
Dibromochloromethane	4.8	U	4.8	0.62	ug/Kg	☼	11/11/20 15:50	11/19/20 00:57	1
Dichlorodifluoromethane	4.8	U	4.8	0.40	ug/Kg	☼	11/11/20 15:50	11/19/20 00:57	1
Ethylbenzene	4.8	U	4.8	0.33	ug/Kg	☼	11/11/20 15:50	11/19/20 00:57	1
Isopropylbenzene	4.8	U	4.8	0.73	ug/Kg	☼	11/11/20 15:50	11/19/20 00:57	1
Methyl acetate	24	U	24	2.9	ug/Kg	☼	11/11/20 15:50	11/19/20 00:57	1
Methyl tert-butyl ether	4.8	U	4.8	0.48	ug/Kg	☼	11/11/20 15:50	11/19/20 00:57	1
Methylcyclohexane	4.8	U	4.8	0.74	ug/Kg	☼	11/11/20 15:50	11/19/20 00:57	1
Methylene Chloride	4.8	U	4.8	2.2	ug/Kg	☼	11/11/20 15:50	11/19/20 00:57	1
Styrene	4.8	U	4.8	0.24	ug/Kg	☼	11/11/20 15:50	11/19/20 00:57	1
Tetrachloroethene	4.8	U	4.8	0.65	ug/Kg	☼	11/11/20 15:50	11/19/20 00:57	1
Toluene	4.8	U	4.8	0.37	ug/Kg	☼	11/11/20 15:50	11/19/20 00:57	1
trans-1,2-Dichloroethene	4.8	U	4.8	0.50	ug/Kg	☼	11/11/20 15:50	11/19/20 00:57	1
trans-1,3-Dichloropropene	4.8	U	4.8	2.1	ug/Kg	☼	11/11/20 15:50	11/19/20 00:57	1
Trichloroethene	4.8	U	4.8	1.1	ug/Kg	☼	11/11/20 15:50	11/19/20 00:57	1
Trichlorofluoromethane	4.8	U	4.8	0.46	ug/Kg	☼	11/11/20 15:50	11/19/20 00:57	1
Vinyl chloride	4.8	U	4.8	0.59	ug/Kg	☼	11/11/20 15:50	11/19/20 00:57	1
Xylenes, Total	9.7	U	9.7	0.81	ug/Kg	☼	11/11/20 15:50	11/19/20 00:57	1

Client: Parsons Corporation
Project/Site: Honeywell - Tonawanda Plastics

Job ID: 480-177968-1

Client Sample ID: B-30-11102020-3.5-4.0
Date Collected: 11/10/20 14:00
Date Received: 11/10/20 18:00

Lab Sample ID: 480-177968-10
Matrix: Solid
Percent Solids: 87.4

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	112		64 - 126	11/11/20 15:50	11/19/20 00:57	1
4-Bromofluorobenzene (Surr)	97		72 - 126	11/11/20 15:50	11/19/20 00:57	1
Dibromofluoromethane (Surr)	122		60 - 140	11/11/20 15:50	11/19/20 00:57	1
Toluene-d8 (Surr)	96		71 - 125	11/11/20 15:50	11/19/20 00:57	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	190	U	190	28	ug/Kg	☼	11/16/20 07:51	11/21/20 13:18	1
Acenaphthylene	**120**	**J**	190	25	ug/Kg	☼	11/16/20 07:51	11/21/20 13:18	1
Anthracene	190	U	190	48	ug/Kg	☼	11/16/20 07:51	11/21/20 13:18	1
Benzo[a]anthracene	190	U	190	19	ug/Kg	☼	11/16/20 07:51	11/21/20 13:18	1
Benzo[a]pyrene	190	U	190	28	ug/Kg	☼	11/16/20 07:51	11/21/20 13:18	1
Benzo[b]fluoranthene	190	U	190	31	ug/Kg	☼	11/16/20 07:51	11/21/20 13:18	1
Benzo[g,h,i]perylene	190	U	190	20	ug/Kg	☼	11/16/20 07:51	11/21/20 13:18	1
Benzo[k]fluoranthene	190	U	190	25	ug/Kg	☼	11/16/20 07:51	11/21/20 13:18	1
Chrysene	190	U	190	43	ug/Kg	☼	11/16/20 07:51	11/21/20 13:18	1
Dibenz(a,h)anthracene	190	U	190	34	ug/Kg	☼	11/16/20 07:51	11/21/20 13:18	1
Fluoranthene	**20**	**J**	190	20	ug/Kg	☼	11/16/20 07:51	11/21/20 13:18	1
Fluorene	**83**	**J**	190	23	ug/Kg	☼	11/16/20 07:51	11/21/20 13:18	1
Indeno[1,2,3-cd]pyrene	190	U	190	24	ug/Kg	☼	11/16/20 07:51	11/21/20 13:18	1
Naphthalene	**3600**		190	25	ug/Kg	☼	11/16/20 07:51	11/21/20 13:18	1
Phenanthrene	**74**	**J**	190	28	ug/Kg	☼	11/16/20 07:51	11/21/20 13:18	1
Pyrene	190	U	190	23	ug/Kg	☼	11/16/20 07:51	11/21/20 13:18	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	101		60 - 120	11/16/20 07:51	11/21/20 13:18	1
Nitrobenzene-d5 (Surr)	98		53 - 120	11/16/20 07:51	11/21/20 13:18	1
p-Terphenyl-d14 (Surr)	104		79 - 130	11/16/20 07:51	11/21/20 13:18	1

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	**23.3**		0.57	0.23	mg/Kg	☼	11/23/20 08:35	11/24/20 01:19	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	1.1	U *	1.1	0.54	mg/Kg	☼	11/20/20 21:56	11/22/20 15:46	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**12.6**		0.1	0.1	%			11/11/20 17:51	1
Percent Solids	**87.4**		0.1	0.1	%			11/11/20 17:51	1

Client: Parsons Corporation
Job ID: 480-177968-1
Project/Site: Honeywell - Tonawanda Plastics

Client Sample ID: B-12-11102020-1.0-1.5
Lab Sample ID: 480-177968-11
Date Collected: 11/10/20 09:55
Matrix: Solid
Date Received: 11/10/20 18:00
Percent Solids: 82.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	4.2	U	4.2	0.30	ug/Kg	☼	11/11/20 15:50	11/17/20 15:22	1
1,1,2,2-Tetrachloroethane	4.2	U	4.2	0.68	ug/Kg	☼	11/11/20 15:50	11/17/20 15:22	1
1,1,2-Trichloro-1,2,2-trifluoroethane	4.2	U	4.2	0.96	ug/Kg	☼	11/11/20 15:50	11/17/20 15:22	1
1,1,2-Trichloroethane	4.2	U	4.2	0.55	ug/Kg	☼	11/11/20 15:50	11/17/20 15:22	1
1,1-Dichloroethane	4.2	U	4.2	0.51	ug/Kg	☼	11/11/20 15:50	11/17/20 15:22	1
1,1-Dichloroethene	4.2	U	4.2	0.51	ug/Kg	☼	11/11/20 15:50	11/17/20 15:22	1
1,2,4-Trichlorobenzene	4.2	U	4.2	0.26	ug/Kg	☼	11/11/20 15:50	11/17/20 15:22	1
1,2-Dibromo-3-Chloropropane	4.2	U	4.2	2.1	ug/Kg	☼	11/11/20 15:50	11/17/20 15:22	1
1,2-Dibromoethane	4.2	U	4.2	0.54	ug/Kg	☼	11/11/20 15:50	11/17/20 15:22	1
1,2-Dichlorobenzene	4.2	U	4.2	0.33	ug/Kg	☼	11/11/20 15:50	11/17/20 15:22	1
1,2-Dichloroethane	4.2	U	4.2	0.21	ug/Kg	☼	11/11/20 15:50	11/17/20 15:22	1
1,2-Dichloropropane	4.2	U	4.2	2.1	ug/Kg	☼	11/11/20 15:50	11/17/20 15:22	1
1,3-Dichlorobenzene	4.2	U	4.2	0.22	ug/Kg	☼	11/11/20 15:50	11/17/20 15:22	1
1,4-Dichlorobenzene	4.2	U	4.2	0.59	ug/Kg	☼	11/11/20 15:50	11/17/20 15:22	1
2-Butanone (MEK)	21	U	21	1.5	ug/Kg	☼	11/11/20 15:50	11/17/20 15:22	1
2-Hexanone	21	U	21	2.1	ug/Kg	☼	11/11/20 15:50	11/17/20 15:22	1
4-Methyl-2-pentanone (MIBK)	21	U	21	1.4	ug/Kg	☼	11/11/20 15:50	11/17/20 15:22	1
Acetone	21	U	21	3.5	ug/Kg	☼	11/11/20 15:50	11/17/20 15:22	1
Benzene	4.2	U	4.2	0.21	ug/Kg	☼	11/11/20 15:50	11/17/20 15:22	1
Bromodichloromethane	4.2	U	4.2	0.56	ug/Kg	☼	11/11/20 15:50	11/17/20 15:22	1
Bromoform	4.2	U	4.2	2.1	ug/Kg	☼	11/11/20 15:50	11/17/20 15:22	1
Bromomethane	4.2	U	4.2	0.38	ug/Kg	☼	11/11/20 15:50	11/17/20 15:22	1
Carbon disulfide	4.2	U	4.2	2.1	ug/Kg	☼	11/11/20 15:50	11/17/20 15:22	1
Carbon tetrachloride	4.2	U	4.2	0.41	ug/Kg	☼	11/11/20 15:50	11/17/20 15:22	1
Chlorobenzene	4.2	U	4.2	0.55	ug/Kg	☼	11/11/20 15:50	11/17/20 15:22	1
Chloroethane	4.2	U	4.2	0.95	ug/Kg	☼	11/11/20 15:50	11/17/20 15:22	1
Chloroform	4.2	U	4.2	0.26	ug/Kg	☼	11/11/20 15:50	11/17/20 15:22	1
Chloromethane	4.2	U	4.2	0.25	ug/Kg	☼	11/11/20 15:50	11/17/20 15:22	1
cis-1,2-Dichloroethene	4.2	U	4.2	0.54	ug/Kg	☼	11/11/20 15:50	11/17/20 15:22	1
cis-1,3-Dichloropropene	4.2	U	4.2	0.60	ug/Kg	☼	11/11/20 15:50	11/17/20 15:22	1
Cyclohexane	4.2	U	4.2	0.59	ug/Kg	☼	11/11/20 15:50	11/17/20 15:22	1
Dibromochloromethane	4.2	U	4.2	0.54	ug/Kg	☼	11/11/20 15:50	11/17/20 15:22	1
Dichlorodifluoromethane	4.2	U	4.2	0.35	ug/Kg	☼	11/11/20 15:50	11/17/20 15:22	1
Ethylbenzene	4.2	U	4.2	0.29	ug/Kg	☼	11/11/20 15:50	11/17/20 15:22	1
Isopropylbenzene	4.2	U	4.2	0.63	ug/Kg	☼	11/11/20 15:50	11/17/20 15:22	1
Methyl acetate	21	U	21	2.5	ug/Kg	☼	11/11/20 15:50	11/17/20 15:22	1
Methyl tert-butyl ether	4.2	U	4.2	0.41	ug/Kg	☼	11/11/20 15:50	11/17/20 15:22	1
Methylcyclohexane	4.2	U	4.2	0.64	ug/Kg	☼	11/11/20 15:50	11/17/20 15:22	1
Methylene Chloride	4.2	U	4.2	1.9	ug/Kg	☼	11/11/20 15:50	11/17/20 15:22	1
Styrene	4.2	U	4.2	0.21	ug/Kg	☼	11/11/20 15:50	11/17/20 15:22	1
Tetrachloroethene	4.2	U	4.2	0.56	ug/Kg	☼	11/11/20 15:50	11/17/20 15:22	1
Toluene	4.2	U	4.2	0.32	ug/Kg	☼	11/11/20 15:50	11/17/20 15:22	1
trans-1,2-Dichloroethene	4.2	U	4.2	0.43	ug/Kg	☼	11/11/20 15:50	11/17/20 15:22	1
trans-1,3-Dichloropropene	4.2	U	4.2	1.8	ug/Kg	☼	11/11/20 15:50	11/17/20 15:22	1
Trichloroethene	4.2	U	4.2	0.92	ug/Kg	☼	11/11/20 15:50	11/17/20 15:22	1
Trichlorofluoromethane	4.2	U	4.2	0.40	ug/Kg	☼	11/11/20 15:50	11/17/20 15:22	1
Vinyl chloride	4.2	U	4.2	0.51	ug/Kg	☼	11/11/20 15:50	11/17/20 15:22	1
Xylenes, Total	8.4	U	8.4	0.70	ug/Kg	☼	11/11/20 15:50	11/17/20 15:22	1

Client Sample ID: B-12-11102020-1.0-1.5
Date Collected: 11/10/20 09:55
Date Received: 11/10/20 18:00

Lab Sample ID: 480-177968-11
Matrix: Solid
Percent Solids: 82.1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*110*		*64 - 126*	*11/11/20 15:50*	*11/17/20 15:22*	*1*
4-Bromofluorobenzene (Surr)	*100*		*72 - 126*	*11/11/20 15:50*	*11/17/20 15:22*	*1*
Dibromofluoromethane (Surr)	*107*		*60 - 140*	*11/11/20 15:50*	*11/17/20 15:22*	*1*
Toluene-d8 (Surr)	*99*		*71 - 125*	*11/11/20 15:50*	*11/17/20 15:22*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	210	U	210	30	ug/Kg	☼	11/16/20 07:51	11/21/20 13:42	1
Acenaphthylene	**35**	**J**	210	27	ug/Kg	☼	11/16/20 07:51	11/21/20 13:42	1
Anthracene	210	U	210	51	ug/Kg	☼	11/16/20 07:51	11/21/20 13:42	1
Benzo[a]anthracene	210	U	210	21	ug/Kg	☼	11/16/20 07:51	11/21/20 13:42	1
Benzo[a]pyrene	210	U	210	30	ug/Kg	☼	11/16/20 07:51	11/21/20 13:42	1
Benzo[b]fluoranthene	210	U	210	33	ug/Kg	☼	11/16/20 07:51	11/21/20 13:42	1
Benzo[g,h,i]perylene	210	U	210	22	ug/Kg	☼	11/16/20 07:51	11/21/20 13:42	1
Benzo[k]fluoranthene	210	U	210	27	ug/Kg	☼	11/16/20 07:51	11/21/20 13:42	1
Chrysene	210	U	210	46	ug/Kg	☼	11/16/20 07:51	11/21/20 13:42	1
Dibenz(a,h)anthracene	210	U	210	36	ug/Kg	☼	11/16/20 07:51	11/21/20 13:42	1
Fluoranthene	210	U	210	22	ug/Kg	☼	11/16/20 07:51	11/21/20 13:42	1
Fluorene	**26**	**J**	210	24	ug/Kg	☼	11/16/20 07:51	11/21/20 13:42	1
Indeno[1,2,3-cd]pyrene	210	U	210	25	ug/Kg	☼	11/16/20 07:51	11/21/20 13:42	1
Naphthalene	**1000**		210	27	ug/Kg	☼	11/16/20 07:51	11/21/20 13:42	1
Phenanthrene	210	U	210	30	ug/Kg	☼	11/16/20 07:51	11/21/20 13:42	1
Pyrene	210	U	210	24	ug/Kg	☼	11/16/20 07:51	11/21/20 13:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*95*		*60 - 120*	*11/16/20 07:51*	*11/21/20 13:42*	*1*
Nitrobenzene-d5 (Surr)	*96*		*53 - 120*	*11/16/20 07:51*	*11/21/20 13:42*	*1*
p-Terphenyl-d14 (Surr)	*100*		*79 - 130*	*11/16/20 07:51*	*11/21/20 13:42*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	**28.8**		0.60	0.24	mg/Kg	☼	11/23/20 08:35	11/24/20 01:23	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	1.2	U *	1.2	0.58	mg/Kg	☼	11/20/20 21:56	11/22/20 15:47	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**17.9**		0.1	0.1	%			11/11/20 17:51	1
Percent Solids	**82.1**		0.1	0.1	%			11/11/20 17:51	1

Surrogate Summary

Client: Parsons Corporation
Project/Site: Honeywell - Tonawanda Plastics

Job ID: 480-177968-1

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

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)			
		DCA	BFB	DBFM	TOL
Lab Sample ID	Client Sample ID	(64-126)	(72-126)	(60-140)	(71-125)
480-177968-1	B-17-11102020-0.7-1.2	118	84	99	94
480-177968-2	B-17-11102020-1.5-2.0	117	85	103	92
480-177968-3	B-15-11102020-1.3-1.8	123	85	100	95
480-177968-8	B-29-11102020-1.8-2.3	108	101	107	98
480-177968-10	B-30-11102020-3.5-4.0	112	97	122	96
480-177968-11	B-12-11102020-1.0-1.5	110	100	107	99
LCS 480-558857/1-A	Lab Control Sample	112	98	99	97
LCS 480-559289/1-A	Lab Control Sample	98	101	101	99
LCS 480-559506/1-A	Lab Control Sample	100	100	117	97
LCSD 480-558857/3-A	Lab Control Sample Dup	111	97	100	97
MB 480-558857/2-A	Method Blank	113	86	96	95
MB 480-559289/2-A	Method Blank	104	99	104	99
MB 480-559506/2-A	Method Blank	102	98	119	99

Surrogate Legend

DCA = 1,2-Dichloroethane-d4 (Surr)
BFB = 4-Bromofluorobenzene (Surr)
DBFM = Dibromofluoromethane (Surr)
TOL = Toluene-d8 (Surr)

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

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)			
		DCA	BFB	DBFM	TOL
Lab Sample ID	Client Sample ID	(53-146)	(49-148)	(60-140)	(50-149)
480-177968-4	B-14-11102020-0.3-0.8	104	115	114	102
480-177968-5	B-14-11102020-4.5-5.0	103	113	109	98
480-177968-6	B-16-11102020-0.9-1.4	113	114	117	104
480-177968-7	B-16-11102020-2.5-3.0	119	111	125	101
480-177968-9	B-30-11102020-0.5-1.0	106	113	113	100
LCS 480-558649/1-A	Lab Control Sample	102	112	110	101
MB 480-558649/2-A	Method Blank	105	108	113	103

Surrogate Legend

DCA = 1,2-Dichloroethane-d4 (Surr)
BFB = 4-Bromofluorobenzene (Surr)
DBFM = Dibromofluoromethane (Surr)
TOL = Toluene-d8 (Surr)

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

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)		
		FBP	NBZ	TPHd14
Lab Sample ID	Client Sample ID	(60-120)	(53-120)	(79-130)
480-177968-1	B-17-11102020-0.7-1.2	98	96	100
480-177968-2	B-17-11102020-1.5-2.0	85	80	87
480-177968-3	B-15-11102020-1.3-1.8	88	83	88
480-177968-4	B-14-11102020-0.3-0.8	0 X	0 X	0 X
480-177968-4 - DL	B-14-11102020-0.3-0.8	0 X	0 X	0 X

Surrogate Summary

Client: Parsons Corporation
Job ID: 480-177968-1
Project/Site: Honeywell - Tonawanda Plastics

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

Matrix: Solid
Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)		
		FBP	NBZ	TPHd14
Lab Sample ID	Client Sample ID	(60-120)	(53-120)	(79-130)
480-177968-5	B-14-11102020-4.5-5.0	104	99	105
480-177968-6	B-16-11102020-0.9-1.4	34 X	154 X	0 X
480-177968-6 - DL	B-16-11102020-0.9-1.4	0 X	0 X	0 X
480-177968-7	B-16-11102020-2.5-3.0	85	80	84
480-177968-8	B-29-11102020-1.8-2.3	90	88	90
480-177968-9	B-30-11102020-0.5-1.0	0 X	0 X	0 X
480-177968-9 - DL	B-30-11102020-0.5-1.0	0 X	0 X	0 X
480-177968-10	B-30-11102020-3.5-4.0	101	98	104
480-177968-11	B-12-11102020-1.0-1.5	95	96	100
LCS 480-559203/2-A	Lab Control Sample	96	94	100
MB 480-559203/1-A	Method Blank	94	88	96

Surrogate Legend

FBP = 2-Fluorobiphenyl
NBZ = Nitrobenzene-d5 (Surr)
TPHd14 = p-Terphenyl-d14 (Surr)

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

Lab Sample ID: MB 480-558649/2-A
Matrix: Solid
Analysis Batch: 558981

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 558649

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	100	U	100	28	ug/Kg		11/11/20 19:48	11/13/20 20:53	1
1,1,2,2-Tetrachloroethane	100	U	100	16	ug/Kg		11/11/20 19:48	11/13/20 20:53	1
1,1,2-Trichloro-1,2,2-trifluoroethane	100	U	100	50	ug/Kg		11/11/20 19:48	11/13/20 20:53	1
1,1,2-Trichloroethane	100	U	100	21	ug/Kg		11/11/20 19:48	11/13/20 20:53	1
1,1-Dichloroethane	100	U	100	31	ug/Kg		11/11/20 19:48	11/13/20 20:53	1
1,1-Dichloroethene	100	U	100	35	ug/Kg		11/11/20 19:48	11/13/20 20:53	1
1,2,4-Trichlorobenzene	100	U	100	38	ug/Kg		11/11/20 19:48	11/13/20 20:53	1
1,2-Dibromo-3-Chloropropane	100	U	100	50	ug/Kg		11/11/20 19:48	11/13/20 20:53	1
1,2-Dichlorobenzene	100	U	100	26	ug/Kg		11/11/20 19:48	11/13/20 20:53	1
1,2-Dichloroethane	100	U	100	41	ug/Kg		11/11/20 19:48	11/13/20 20:53	1
1,2-Dichloropropane	100	U	100	16	ug/Kg		11/11/20 19:48	11/13/20 20:53	1
1,3-Dichlorobenzene	100	U	100	27	ug/Kg		11/11/20 19:48	11/13/20 20:53	1
1,4-Dichlorobenzene	100	U	100	14	ug/Kg		11/11/20 19:48	11/13/20 20:53	1
2-Butanone (MEK)	500	U	500	300	ug/Kg		11/11/20 19:48	11/13/20 20:53	1
2-Hexanone	500	U	500	210	ug/Kg		11/11/20 19:48	11/13/20 20:53	1
4-Methyl-2-pentanone (MIBK)	500	U	500	32	ug/Kg		11/11/20 19:48	11/13/20 20:53	1
Acetone	500	U	500	410	ug/Kg		11/11/20 19:48	11/13/20 20:53	1
Benzene	100	U	100	19	ug/Kg		11/11/20 19:48	11/13/20 20:53	1
Bromoform	100	U	100	50	ug/Kg		11/11/20 19:48	11/13/20 20:53	1
Bromomethane	100	U	100	22	ug/Kg		11/11/20 19:48	11/13/20 20:53	1
Carbon disulfide	100	U	100	46	ug/Kg		11/11/20 19:48	11/13/20 20:53	1
Carbon tetrachloride	100	U	100	26	ug/Kg		11/11/20 19:48	11/13/20 20:53	1
Chlorobenzene	100	U	100	13	ug/Kg		11/11/20 19:48	11/13/20 20:53	1
Chloroethane	100	U	100	21	ug/Kg		11/11/20 19:48	11/13/20 20:53	1
Chloroform	100	U	100	69	ug/Kg		11/11/20 19:48	11/13/20 20:53	1
Chloromethane	100	U	100	24	ug/Kg		11/11/20 19:48	11/13/20 20:53	1
cis-1,2-Dichloroethene	100	U	100	28	ug/Kg		11/11/20 19:48	11/13/20 20:53	1
Bromodichloromethane	100	U	100	20	ug/Kg		11/11/20 19:48	11/13/20 20:53	1
Cyclohexane	100	U	100	22	ug/Kg		11/11/20 19:48	11/13/20 20:53	1
Dibromochloromethane	100	U	100	48	ug/Kg		11/11/20 19:48	11/13/20 20:53	1
1,2-Dibromoethane	100	U	100	18	ug/Kg		11/11/20 19:48	11/13/20 20:53	1
Dichlorodifluoromethane	100	U	100	44	ug/Kg		11/11/20 19:48	11/13/20 20:53	1
Ethylbenzene	100	U	100	29	ug/Kg		11/11/20 19:48	11/13/20 20:53	1
Isopropylbenzene	100	U	100	15	ug/Kg		11/11/20 19:48	11/13/20 20:53	1
Methyl acetate	500	U	500	48	ug/Kg		11/11/20 19:48	11/13/20 20:53	1
Methyl tert-butyl ether	100	U	100	38	ug/Kg		11/11/20 19:48	11/13/20 20:53	1
Methylcyclohexane	100	U	100	47	ug/Kg		11/11/20 19:48	11/13/20 20:53	1
Methylene Chloride	100	U	100	20	ug/Kg		11/11/20 19:48	11/13/20 20:53	1
Tetrachloroethene	100	U	100	13	ug/Kg		11/11/20 19:48	11/13/20 20:53	1
Toluene	100	U	100	27	ug/Kg		11/11/20 19:48	11/13/20 20:53	1
trans-1,2-Dichloroethene	100	U	100	24	ug/Kg		11/11/20 19:48	11/13/20 20:53	1
trans-1,3-Dichloropropene	100	U	100	9.8	ug/Kg		11/11/20 19:48	11/13/20 20:53	1
Trichloroethene	100	U	100	28	ug/Kg		11/11/20 19:48	11/13/20 20:53	1
cis-1,3-Dichloropropene	100	U	100	24	ug/Kg		11/11/20 19:48	11/13/20 20:53	1
Trichlorofluoromethane	100	U	100	47	ug/Kg		11/11/20 19:48	11/13/20 20:53	1
Styrene	100	U	100	24	ug/Kg		11/11/20 19:48	11/13/20 20:53	1
Vinyl chloride	100	U	100	34	ug/Kg		11/11/20 19:48	11/13/20 20:53	1
Xylenes, Total	200	U	200	55	ug/Kg		11/11/20 19:48	11/13/20 20:53	1

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

Lab Sample ID: MB 480-558649/2-A
Matrix: Solid
Analysis Batch: 558981

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 558649

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	*105*		*53 - 146*	*11/11/20 19:48*	*11/13/20 20:53*	*1*
4-Bromofluorobenzene (Surr)	*108*		*49 - 148*	*11/11/20 19:48*	*11/13/20 20:53*	*1*
Toluene-d8 (Surr)	*103*		*50 - 149*	*11/11/20 19:48*	*11/13/20 20:53*	*1*
Dibromofluoromethane (Surr)	*113*		*60 - 140*	*11/11/20 19:48*	*11/13/20 20:53*	*1*

Lab Sample ID: LCS 480-558649/1-A
Matrix: Solid
Analysis Batch: 559093

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 558649

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	2500	2850		ug/Kg		114	68 - 130
1,1,2,2-Tetrachloroethane	2500	2320		ug/Kg		93	73 - 120
1,1,2-Trichloro-1,2,2-trifluoroethane	2500	2620		ug/Kg		105	10 - 179
1,1,2-Trichloroethane	2500	2510		ug/Kg		100	80 - 120
1,1-Dichloroethane	2500	2430		ug/Kg		97	78 - 121
1,1-Dichloroethene	2500	2730		ug/Kg		109	48 - 133
1,2,4-Trichlorobenzene	2500	2880		ug/Kg		115	70 - 140
1,2-Dibromo-3-Chloropropane	2500	2550		ug/Kg		102	56 - 122
1,2-Dichlorobenzene	2500	2510		ug/Kg		101	78 - 125
1,2-Dichloroethane	2500	2720		ug/Kg		109	74 - 127
1,2-Dichloropropane	2500	2510		ug/Kg		101	80 - 120
1,3-Dichlorobenzene	2500	2530		ug/Kg		101	80 - 120
1,4-Dichlorobenzene	2500	2490		ug/Kg		99	80 - 120
2-Butanone (MEK)	12500	11100		ug/Kg		89	54 - 149
2-Hexanone	12500	10800		ug/Kg		86	59 - 127
4-Methyl-2-pentanone (MIBK)	12500	10500		ug/Kg		84	74 - 120
Acetone	12500	11400		ug/Kg		91	47 - 141
Benzene	2500	2510		ug/Kg		100	77 - 125
Bromoform	2500	2850		ug/Kg		114	48 - 125
Bromomethane	2500	2610		ug/Kg		104	39 - 149
Carbon disulfide	2500	2320		ug/Kg		93	40 - 136
Carbon tetrachloride	2500	2870		ug/Kg		115	54 - 135
Chlorobenzene	2500	2650		ug/Kg		106	76 - 126
Chloroethane	2500	2170		ug/Kg		87	23 - 150
Chloroform	2500	2550		ug/Kg		102	78 - 120
Chloromethane	2500	1950		ug/Kg		78	61 - 124
cis-1,2-Dichloroethene	2500	2570		ug/Kg		103	79 - 124
Bromodichloromethane	2500	2670		ug/Kg		107	71 - 121
Cyclohexane	2500	2340		ug/Kg		93	49 - 129
Dibromochloromethane	2500	2750		ug/Kg		110	64 - 120
1,2-Dibromoethane	2500	2530		ug/Kg		101	80 - 120
Dichlorodifluoromethane	2500	2750		ug/Kg		110	10 - 150
Ethylbenzene	2500	2580		ug/Kg		103	78 - 124
Isopropylbenzene	2500	2530		ug/Kg		101	76 - 120
Methyl acetate	5000	4260		ug/Kg		85	71 - 123
Methyl tert-butyl ether	2500	2570		ug/Kg		103	67 - 137
Methylcyclohexane	2500	2660		ug/Kg		106	50 - 130
Methylene Chloride	2500	2460		ug/Kg		98	75 - 118

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

Lab Sample ID: LCS 480-558649/1-A
Matrix: Solid
Analysis Batch: 559093

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 558649

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Tetrachloroethene	2500	2870		ug/Kg		115	73 - 133
Toluene	2500	2560		ug/Kg		102	75 - 124
trans-1,2-Dichloroethene	2500	2590		ug/Kg		104	74 - 129
Trichloroethene	2500	2660		ug/Kg		107	75 - 131
cis-1,3-Dichloropropene	2500	2700		ug/Kg		108	75 - 121
Trichlorofluoromethane	2500	3030		ug/Kg		121	29 - 158
Styrene	2500	2680		ug/Kg		107	80 - 120
Vinyl chloride	2500	2140		ug/Kg		86	59 - 124

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*102*		*53 - 146*
4-Bromofluorobenzene (Surr)	*112*		*49 - 148*
Toluene-d8 (Surr)	*101*		*50 - 149*
Dibromofluoromethane (Surr)	*110*		*60 - 140*

Lab Sample ID: MB 480-558857/2-A
Matrix: Solid
Analysis Batch: 558860

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 558857

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	5.0	U	5.0	0.36	ug/Kg		11/12/20 19:00	11/12/20 21:27	1
1,1,2,2-Tetrachloroethane	5.0	U	5.0	0.81	ug/Kg		11/12/20 19:00	11/12/20 21:27	1
1,1,2-Trichloro-1,2,2-trifluoroethane	5.0	U	5.0	1.1	ug/Kg		11/12/20 19:00	11/12/20 21:27	1
1,1,2-Trichloroethane	5.0	U	5.0	0.65	ug/Kg		11/12/20 19:00	11/12/20 21:27	1
1,1-Dichloroethane	5.0	U	5.0	0.61	ug/Kg		11/12/20 19:00	11/12/20 21:27	1
1,1-Dichloroethene	5.0	U	5.0	0.61	ug/Kg		11/12/20 19:00	11/12/20 21:27	1
1,2,4-Trichlorobenzene	5.0	U	5.0	0.30	ug/Kg		11/12/20 19:00	11/12/20 21:27	1
1,2-Dibromo-3-Chloropropane	5.0	U	5.0	2.5	ug/Kg		11/12/20 19:00	11/12/20 21:27	1
1,2-Dichlorobenzene	5.0	U	5.0	0.39	ug/Kg		11/12/20 19:00	11/12/20 21:27	1
1,2-Dichloroethane	5.0	U	5.0	0.25	ug/Kg		11/12/20 19:00	11/12/20 21:27	1
1,2-Dichloropropane	5.0	U	5.0	2.5	ug/Kg		11/12/20 19:00	11/12/20 21:27	1
1,3-Dichlorobenzene	5.0	U	5.0	0.26	ug/Kg		11/12/20 19:00	11/12/20 21:27	1
1,4-Dichlorobenzene	5.0	U	5.0	0.70	ug/Kg		11/12/20 19:00	11/12/20 21:27	1
2-Butanone (MEK)	25	U	25	1.8	ug/Kg		11/12/20 19:00	11/12/20 21:27	1
2-Hexanone	25	U	25	2.5	ug/Kg		11/12/20 19:00	11/12/20 21:27	1
4-Methyl-2-pentanone (MIBK)	25	U	25	1.6	ug/Kg		11/12/20 19:00	11/12/20 21:27	1
Acetone	25	U	25	4.2	ug/Kg		11/12/20 19:00	11/12/20 21:27	1
Benzene	5.0	U	5.0	0.25	ug/Kg		11/12/20 19:00	11/12/20 21:27	1
Bromoform	5.0	U	5.0	2.5	ug/Kg		11/12/20 19:00	11/12/20 21:27	1
Bromomethane	5.0	U	5.0	0.45	ug/Kg		11/12/20 19:00	11/12/20 21:27	1
Carbon disulfide	5.0	U	5.0	2.5	ug/Kg		11/12/20 19:00	11/12/20 21:27	1
Carbon tetrachloride	5.0	U	5.0	0.48	ug/Kg		11/12/20 19:00	11/12/20 21:27	1
Chlorobenzene	5.0	U	5.0	0.66	ug/Kg		11/12/20 19:00	11/12/20 21:27	1
Chloroethane	5.0	U	5.0	1.1	ug/Kg		11/12/20 19:00	11/12/20 21:27	1
Chloroform	5.0	U	5.0	0.31	ug/Kg		11/12/20 19:00	11/12/20 21:27	1
Chloromethane	5.0	U	5.0	0.30	ug/Kg		11/12/20 19:00	11/12/20 21:27	1
cis-1,2-Dichloroethene	5.0	U	5.0	0.64	ug/Kg		11/12/20 19:00	11/12/20 21:27	1
Bromodichloromethane	5.0	U	5.0	0.67	ug/Kg		11/12/20 19:00	11/12/20 21:27	1

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

Lab Sample ID: MB 480-558857/2-A
Matrix: Solid
Analysis Batch: 558860

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 558857

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyclohexane	5.0	U	5.0	0.70	ug/Kg		11/12/20 19:00	11/12/20 21:27	1
Dibromochloromethane	5.0	U	5.0	0.64	ug/Kg		11/12/20 19:00	11/12/20 21:27	1
1,2-Dibromoethane	5.0	U	5.0	0.64	ug/Kg		11/12/20 19:00	11/12/20 21:27	1
Dichlorodifluoromethane	5.0	U	5.0	0.41	ug/Kg		11/12/20 19:00	11/12/20 21:27	1
Ethylbenzene	5.0	U	5.0	0.35	ug/Kg		11/12/20 19:00	11/12/20 21:27	1
Isopropylbenzene	5.0	U	5.0	0.75	ug/Kg		11/12/20 19:00	11/12/20 21:27	1
Methyl acetate	25	U	25	3.0	ug/Kg		11/12/20 19:00	11/12/20 21:27	1
Methyl tert-butyl ether	5.0	U	5.0	0.49	ug/Kg		11/12/20 19:00	11/12/20 21:27	1
Methylcyclohexane	5.0	U	5.0	0.76	ug/Kg		11/12/20 19:00	11/12/20 21:27	1
Methylene Chloride	5.0	U	5.0	2.3	ug/Kg		11/12/20 19:00	11/12/20 21:27	1
Tetrachloroethene	5.0	U	5.0	0.67	ug/Kg		11/12/20 19:00	11/12/20 21:27	1
Toluene	5.0	U	5.0	0.38	ug/Kg		11/12/20 19:00	11/12/20 21:27	1
trans-1,2-Dichloroethene	5.0	U	5.0	0.52	ug/Kg		11/12/20 19:00	11/12/20 21:27	1
trans-1,3-Dichloropropene	5.0	U	5.0	2.2	ug/Kg		11/12/20 19:00	11/12/20 21:27	1
Trichloroethene	5.0	U	5.0	1.1	ug/Kg		11/12/20 19:00	11/12/20 21:27	1
cis-1,3-Dichloropropene	5.0	U	5.0	0.72	ug/Kg		11/12/20 19:00	11/12/20 21:27	1
Trichlorofluoromethane	5.0	U	5.0	0.47	ug/Kg		11/12/20 19:00	11/12/20 21:27	1
Styrene	5.0	U	5.0	0.25	ug/Kg		11/12/20 19:00	11/12/20 21:27	1
Vinyl chloride	5.0	U	5.0	0.61	ug/Kg		11/12/20 19:00	11/12/20 21:27	1
Xylenes, Total	10	U	10	0.84	ug/Kg		11/12/20 19:00	11/12/20 21:27	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*113*		*64 - 126*	*11/12/20 19:00*	*11/12/20 21:27*	*1*
4-Bromofluorobenzene (Surr)	*86*		*72 - 126*	*11/12/20 19:00*	*11/12/20 21:27*	*1*
Toluene-d8 (Surr)	*95*		*71 - 125*	*11/12/20 19:00*	*11/12/20 21:27*	*1*
Dibromofluoromethane (Surr)	*96*		*60 - 140*	*11/12/20 19:00*	*11/12/20 21:27*	*1*

Lab Sample ID: LCS 480-558857/1-A
Matrix: Solid
Analysis Batch: 558860

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 558857

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	50.0	55.2		ug/Kg		110	77 - 121
1,1,2,2-Tetrachloroethane	50.0	46.3		ug/Kg		93	80 - 120
1,1,2-Trichloro-1,2,2-trifluoroetha ne	50.0	46.5		ug/Kg		93	60 - 140
1,1,2-Trichloroethane	50.0	48.4		ug/Kg		97	78 - 122
1,1-Dichloroethane	50.0	53.1		ug/Kg		106	73 - 126
1,1-Dichloroethene	50.0	44.9		ug/Kg		90	59 - 125
1,2,4-Trichlorobenzene	50.0	45.5		ug/Kg		91	64 - 120
1,2-Dibromo-3-Chloropropane	50.0	43.5		ug/Kg		87	63 - 124
1,2-Dichlorobenzene	50.0	48.3		ug/Kg		97	75 - 120
1,2-Dichloroethane	50.0	54.6		ug/Kg		109	77 - 122
1,2-Dichloropropane	50.0	54.5		ug/Kg		109	75 - 124
1,3-Dichlorobenzene	50.0	49.1		ug/Kg		98	74 - 120
1,4-Dichlorobenzene	50.0	50.0		ug/Kg		100	73 - 120
2-Butanone (MEK)	250	273		ug/Kg		109	70 - 134
2-Hexanone	250	266		ug/Kg		107	59 - 130
4-Methyl-2-pentanone (MIBK)	250	265		ug/Kg		106	65 - 133

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

Lab Sample ID: LCS 480-558857/1-A
Matrix: Solid
Analysis Batch: 558860

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 558857

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Acetone			250	283		ug/Kg		113	61 - 137		
Benzene			50.0	50.0		ug/Kg		100	79 - 127		
Bromoform			50.0	51.0		ug/Kg		102	68 - 126		
Bromomethane			50.0	67.2		ug/Kg		134	37 - 149		
Carbon disulfide			50.0	49.2		ug/Kg		98	64 - 131		
Carbon tetrachloride			50.0	52.9		ug/Kg		106	75 - 135		
Chlorobenzene			50.0	49.3		ug/Kg		99	76 - 124		
Chloroethane			50.0	61.0		ug/Kg		122	69 - 135		
Chloroform			50.0	49.9		ug/Kg		100	80 - 120		
Chloromethane			50.0	45.4		ug/Kg		91	63 - 127		
cis-1,2-Dichloroethene			50.0	47.1		ug/Kg		94	81 - 120		
Bromodichloromethane			50.0	54.2		ug/Kg		108	80 - 122		
Cyclohexane			50.0	54.0		ug/Kg		108	65 - 120		
Dibromochloromethane			50.0	49.6		ug/Kg		99	76 - 125		
1,2-Dibromoethane			50.0	46.1		ug/Kg		92	78 - 120		
Dichlorodifluoromethane			50.0	31.6		ug/Kg		63	57 - 142		
Ethylbenzene			50.0	51.5		ug/Kg		103	80 - 120		
Isopropylbenzene			50.0	49.5		ug/Kg		99	72 - 120		
Methyl acetate			100	102		ug/Kg		102	55 - 136		
Methyl tert-butyl ether			50.0	49.4		ug/Kg		99	63 - 125		
Methylcyclohexane			50.0	52.9		ug/Kg		106	60 - 140		
Methylene Chloride			50.0	49.3		ug/Kg		99	61 - 127		
Tetrachloroethene			50.0	45.9		ug/Kg		92	74 - 122		
Toluene			50.0	50.2		ug/Kg		100	74 - 128		
trans-1,2-Dichloroethene			50.0	47.6		ug/Kg		95	78 - 126		
Trichloroethene			50.0	50.9		ug/Kg		102	77 - 129		
cis-1,3-Dichloropropene			50.0	51.2		ug/Kg		102	80 - 120		
Trichlorofluoromethane			50.0	55.8		ug/Kg		112	65 - 146		
Styrene			50.0	50.1		ug/Kg		100	80 - 120		
Vinyl chloride			50.0	50.4		ug/Kg		101	61 - 133		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*112*		*64 - 126*
4-Bromofluorobenzene (Surr)	*98*		*72 - 126*
Toluene-d8 (Surr)	*97*		*71 - 125*
Dibromofluoromethane (Surr)	*99*		*60 - 140*

Lab Sample ID: LCSD 480-558857/3-A
Matrix: Solid
Analysis Batch: 558860

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 558857

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,1-Trichloroethane			50.0	55.5		ug/Kg		111	77 - 121	0	20
1,1,2,2-Tetrachloroethane			50.0	45.4		ug/Kg		91	80 - 120	2	20
1,1,2-Trichloro-1,2,2-trifluoroethane			50.0	49.8		ug/Kg		100	60 - 140	7	20
1,1,2-Trichloroethane			50.0	49.0		ug/Kg		98	78 - 122	1	20
1,1-Dichloroethane			50.0	54.8		ug/Kg		110	73 - 126	3	20
1,1-Dichloroethene			50.0	44.7		ug/Kg		89	59 - 125	1	20

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

Lab Sample ID: LCSD 480-558857/3-A
Matrix: Solid
Analysis Batch: 558860

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 558857

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,2,4-Trichlorobenzene			50.0	46.8		ug/Kg		94	64 - 120	3	20
1,2-Dibromo-3-Chloropropane			50.0	46.8		ug/Kg		94	63 - 124	7	20
1,2-Dichlorobenzene			50.0	48.4		ug/Kg		97	75 - 120	0	20
1,2-Dichloroethane			50.0	56.0		ug/Kg		112	77 - 122	2	20
1,2-Dichloropropane			50.0	54.4		ug/Kg		109	75 - 124	0	20
1,3-Dichlorobenzene			50.0	50.0		ug/Kg		100	74 - 120	2	20
1,4-Dichlorobenzene			50.0	50.0		ug/Kg		100	73 - 120	0	20
2-Butanone (MEK)			250	269		ug/Kg		107	70 - 134	2	20
2-Hexanone			250	272		ug/Kg		109	59 - 130	2	20
4-Methyl-2-pentanone (MIBK)			250	268		ug/Kg		107	65 - 133	1	20
Acetone			250	279		ug/Kg		112	61 - 137	1	20
Benzene			50.0	51.5		ug/Kg		103	79 - 127	3	20
Bromoform			50.0	51.7		ug/Kg		103	68 - 126	1	20
Bromomethane			50.0	74.2		ug/Kg		148	37 - 149	10	20
Carbon disulfide			50.0	51.3		ug/Kg		103	64 - 131	4	20
Carbon tetrachloride			50.0	54.7		ug/Kg		109	75 - 135	3	20
Chlorobenzene			50.0	50.4		ug/Kg		101	76 - 124	2	20
Chloroethane			50.0	67.9	*	ug/Kg		136	69 - 135	11	20
Chloroform			50.0	51.5		ug/Kg		103	80 - 120	3	20
Chloromethane			50.0	46.3		ug/Kg		93	63 - 127	2	20
cis-1,2-Dichloroethene			50.0	48.7		ug/Kg		97	81 - 120	3	20
Bromodichloromethane			50.0	55.1		ug/Kg		110	80 - 122	2	20
Cyclohexane			50.0	53.4		ug/Kg		107	65 - 120	1	20
Dibromochloromethane			50.0	53.1		ug/Kg		106	76 - 125	7	20
1,2-Dibromoethane			50.0	48.5		ug/Kg		97	78 - 120	5	20
Dichlorodifluoromethane			50.0	28.9		ug/Kg		58	57 - 142	9	20
Ethylbenzene			50.0	52.4		ug/Kg		105	80 - 120	2	20
Isopropylbenzene			50.0	48.8		ug/Kg		98	72 - 120	1	20
Methyl acetate			100	100		ug/Kg		100	55 - 136	1	20
Methyl tert-butyl ether			50.0	50.0		ug/Kg		100	63 - 125	1	20
Methylcyclohexane			50.0	52.7		ug/Kg		105	60 - 140	0	20
Methylene Chloride			50.0	50.7		ug/Kg		101	61 - 127	3	20
Tetrachloroethene			50.0	47.4		ug/Kg		95	74 - 122	3	20
Toluene			50.0	51.1		ug/Kg		102	74 - 128	2	20
trans-1,2-Dichloroethene			50.0	47.1		ug/Kg		94	78 - 126	1	20
Trichloroethene			50.0	51.4		ug/Kg		103	77 - 129	1	20
cis-1,3-Dichloropropene			50.0	51.5		ug/Kg		103	80 - 120	1	20
Trichlorofluoromethane			50.0	57.8		ug/Kg		116	65 - 146	4	20
Styrene			50.0	52.0		ug/Kg		104	80 - 120	4	20
Vinyl chloride			50.0	51.3		ug/Kg		103	61 - 133	2	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*111*		*64 - 126*
4-Bromofluorobenzene (Surr)	*97*		*72 - 126*
Toluene-d8 (Surr)	*97*		*71 - 125*
Dibromofluoromethane (Surr)	*100*		*60 - 140*

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

Lab Sample ID: MB 480-559289/2-A
Matrix: Solid
Analysis Batch: 559476

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 559289

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	5.0	U	5.0	0.36	ug/Kg		11/16/20 11:57	11/17/20 13:32	1
1,1,2,2-Tetrachloroethane	5.0	U	5.0	0.81	ug/Kg		11/16/20 11:57	11/17/20 13:32	1
1,1,2-Trichloro-1,2,2-trifluoroethane	5.0	U	5.0	1.1	ug/Kg		11/16/20 11:57	11/17/20 13:32	1
1,1,2-Trichloroethane	5.0	U	5.0	0.65	ug/Kg		11/16/20 11:57	11/17/20 13:32	1
1,1-Dichloroethane	5.0	U	5.0	0.61	ug/Kg		11/16/20 11:57	11/17/20 13:32	1
1,1-Dichloroethene	5.0	U	5.0	0.61	ug/Kg		11/16/20 11:57	11/17/20 13:32	1
1,2,4-Trichlorobenzene	5.0	U	5.0	0.30	ug/Kg		11/16/20 11:57	11/17/20 13:32	1
1,2-Dibromo-3-Chloropropane	5.0	U	5.0	2.5	ug/Kg		11/16/20 11:57	11/17/20 13:32	1
1,2-Dichlorobenzene	5.0	U	5.0	0.39	ug/Kg		11/16/20 11:57	11/17/20 13:32	1
1,2-Dichloroethane	5.0	U	5.0	0.25	ug/Kg		11/16/20 11:57	11/17/20 13:32	1
1,2-Dichloropropane	5.0	U	5.0	2.5	ug/Kg		11/16/20 11:57	11/17/20 13:32	1
1,3-Dichlorobenzene	5.0	U	5.0	0.26	ug/Kg		11/16/20 11:57	11/17/20 13:32	1
1,4-Dichlorobenzene	5.0	U	5.0	0.70	ug/Kg		11/16/20 11:57	11/17/20 13:32	1
2-Butanone (MEK)	25	U	25	1.8	ug/Kg		11/16/20 11:57	11/17/20 13:32	1
2-Hexanone	25	U	25	2.5	ug/Kg		11/16/20 11:57	11/17/20 13:32	1
4-Methyl-2-pentanone (MIBK)	25	U	25	1.6	ug/Kg		11/16/20 11:57	11/17/20 13:32	1
Acetone	25	U	25	4.2	ug/Kg		11/16/20 11:57	11/17/20 13:32	1
Benzene	5.0	U	5.0	0.25	ug/Kg		11/16/20 11:57	11/17/20 13:32	1
Bromoform	5.0	U	5.0	2.5	ug/Kg		11/16/20 11:57	11/17/20 13:32	1
Bromomethane	5.0	U	5.0	0.45	ug/Kg		11/16/20 11:57	11/17/20 13:32	1
Carbon disulfide	5.0	U	5.0	2.5	ug/Kg		11/16/20 11:57	11/17/20 13:32	1
Carbon tetrachloride	5.0	U	5.0	0.48	ug/Kg		11/16/20 11:57	11/17/20 13:32	1
Chlorobenzene	5.0	U	5.0	0.66	ug/Kg		11/16/20 11:57	11/17/20 13:32	1
Chloroethane	5.0	U	5.0	1.1	ug/Kg		11/16/20 11:57	11/17/20 13:32	1
Chloroform	5.0	U	5.0	0.31	ug/Kg		11/16/20 11:57	11/17/20 13:32	1
Chloromethane	5.0	U	5.0	0.30	ug/Kg		11/16/20 11:57	11/17/20 13:32	1
cis-1,2-Dichloroethene	5.0	U	5.0	0.64	ug/Kg		11/16/20 11:57	11/17/20 13:32	1
Bromodichloromethane	5.0	U	5.0	0.67	ug/Kg		11/16/20 11:57	11/17/20 13:32	1
Cyclohexane	5.0	U	5.0	0.70	ug/Kg		11/16/20 11:57	11/17/20 13:32	1
Dibromochloromethane	5.0	U	5.0	0.64	ug/Kg		11/16/20 11:57	11/17/20 13:32	1
1,2-Dibromoethane	5.0	U	5.0	0.64	ug/Kg		11/16/20 11:57	11/17/20 13:32	1
Dichlorodifluoromethane	5.0	U	5.0	0.41	ug/Kg		11/16/20 11:57	11/17/20 13:32	1
Ethylbenzene	5.0	U	5.0	0.35	ug/Kg		11/16/20 11:57	11/17/20 13:32	1
Isopropylbenzene	5.0	U	5.0	0.75	ug/Kg		11/16/20 11:57	11/17/20 13:32	1
Methyl acetate	25	U	25	3.0	ug/Kg		11/16/20 11:57	11/17/20 13:32	1
Methyl tert-butyl ether	5.0	U	5.0	0.49	ug/Kg		11/16/20 11:57	11/17/20 13:32	1
Methylcyclohexane	5.0	U	5.0	0.76	ug/Kg		11/16/20 11:57	11/17/20 13:32	1
Methylene Chloride	5.0	U	5.0	2.3	ug/Kg		11/16/20 11:57	11/17/20 13:32	1
Tetrachloroethene	5.0	U	5.0	0.67	ug/Kg		11/16/20 11:57	11/17/20 13:32	1
Toluene	5.0	U	5.0	0.38	ug/Kg		11/16/20 11:57	11/17/20 13:32	1
trans-1,2-Dichloroethene	5.0	U	5.0	0.52	ug/Kg		11/16/20 11:57	11/17/20 13:32	1
trans-1,3-Dichloropropene	5.0	U	5.0	2.2	ug/Kg		11/16/20 11:57	11/17/20 13:32	1
Trichloroethene	5.0	U	5.0	1.1	ug/Kg		11/16/20 11:57	11/17/20 13:32	1
cis-1,3-Dichloropropene	5.0	U	5.0	0.72	ug/Kg		11/16/20 11:57	11/17/20 13:32	1
Trichlorofluoromethane	5.0	U	5.0	0.47	ug/Kg		11/16/20 11:57	11/17/20 13:32	1
Styrene	5.0	U	5.0	0.25	ug/Kg		11/16/20 11:57	11/17/20 13:32	1
Vinyl chloride	5.0	U	5.0	0.61	ug/Kg		11/16/20 11:57	11/17/20 13:32	1
Xylenes, Total	10	U	10	0.84	ug/Kg		11/16/20 11:57	11/17/20 13:32	1

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

Lab Sample ID: MB 480-559289/2-A
Matrix: Solid
Analysis Batch: 559476

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 559289

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	*104*		*64 - 126*	*11/16/20 11:57*	*11/17/20 13:32*	*1*
4-Bromofluorobenzene (Surr)	*99*		*72 - 126*	*11/16/20 11:57*	*11/17/20 13:32*	*1*
Toluene-d8 (Surr)	*99*		*71 - 125*	*11/16/20 11:57*	*11/17/20 13:32*	*1*
Dibromofluoromethane (Surr)	*104*		*60 - 140*	*11/16/20 11:57*	*11/17/20 13:32*	*1*

Lab Sample ID: LCS 480-559289/1-A
Matrix: Solid
Analysis Batch: 559476

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 559289

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	50.0	48.6		ug/Kg		97	77 - 121
1,1,2,2-Tetrachloroethane	50.0	46.9		ug/Kg		94	80 - 120
1,1,2-Trichloro-1,2,2-trifluoroethane	50.0	47.7		ug/Kg		95	60 - 140
1,1,2-Trichloroethane	50.0	45.1		ug/Kg		90	78 - 122
1,1-Dichloroethane	50.0	47.6		ug/Kg		95	73 - 126
1,1-Dichloroethene	50.0	49.5		ug/Kg		99	59 - 125
1,2,4-Trichlorobenzene	50.0	52.1		ug/Kg		104	64 - 120
1,2-Dibromo-3-Chloropropane	50.0	47.8		ug/Kg		96	63 - 124
1,2-Dichlorobenzene	50.0	48.9		ug/Kg		98	75 - 120
1,2-Dichloroethane	50.0	47.3		ug/Kg		95	77 - 122
1,2-Dichloropropane	50.0	47.6		ug/Kg		95	75 - 124
1,3-Dichlorobenzene	50.0	49.2		ug/Kg		98	74 - 120
1,4-Dichlorobenzene	50.0	48.5		ug/Kg		97	73 - 120
2-Butanone (MEK)	250	221		ug/Kg		88	70 - 134
2-Hexanone	250	229		ug/Kg		92	59 - 130
4-Methyl-2-pentanone (MIBK)	250	227		ug/Kg		91	65 - 133
Acetone	250	226		ug/Kg		91	61 - 137
Benzene	50.0	48.4		ug/Kg		97	79 - 127
Bromoform	50.0	48.7		ug/Kg		97	68 - 126
Bromomethane	50.0	44.3		ug/Kg		89	37 - 149
Carbon disulfide	50.0	50.3		ug/Kg		101	64 - 131
Carbon tetrachloride	50.0	51.0		ug/Kg		102	75 - 135
Chlorobenzene	50.0	48.4		ug/Kg		97	76 - 124
Chloroethane	50.0	45.7		ug/Kg		91	69 - 135
Chloroform	50.0	48.1		ug/Kg		96	80 - 120
Chloromethane	50.0	46.1		ug/Kg		92	63 - 127
cis-1,2-Dichloroethene	50.0	48.6		ug/Kg		97	81 - 120
Bromodichloromethane	50.0	48.1		ug/Kg		96	80 - 122
Cyclohexane	50.0	47.8		ug/Kg		96	65 - 120
Dibromochloromethane	50.0	48.8		ug/Kg		98	76 - 125
1,2-Dibromoethane	50.0	45.2		ug/Kg		90	78 - 120
Dichlorodifluoromethane	50.0	46.9		ug/Kg		94	57 - 142
Ethylbenzene	50.0	50.1		ug/Kg		100	80 - 120
Isopropylbenzene	50.0	50.8		ug/Kg		102	72 - 120
Methyl acetate	100	90.2		ug/Kg		90	55 - 136
Methyl tert-butyl ether	50.0	48.1		ug/Kg		96	63 - 125
Methylcyclohexane	50.0	47.9		ug/Kg		96	60 - 140
Methylene Chloride	50.0	47.6		ug/Kg		95	61 - 127

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

Lab Sample ID: LCS 480-559289/1-A
Matrix: Solid
Analysis Batch: 559476

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 559289

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Tetrachloroethene	50.0	50.3		ug/Kg		101	74 - 122
Toluene	50.0	47.3		ug/Kg		95	74 - 128
trans-1,2-Dichloroethene	50.0	49.1		ug/Kg		98	78 - 126
Trichloroethene	50.0	49.6		ug/Kg		99	77 - 129
cis-1,3-Dichloropropene	50.0	50.4		ug/Kg		101	80 - 120
Trichlorofluoromethane	50.0	46.8		ug/Kg		94	65 - 146
Styrene	50.0	48.8		ug/Kg		98	80 - 120
Vinyl chloride	50.0	46.0		ug/Kg		92	61 - 133

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*98*		*64 - 126*
4-Bromofluorobenzene (Surr)	*101*		*72 - 126*
Toluene-d8 (Surr)	*99*		*71 - 125*
Dibromofluoromethane (Surr)	*101*		*60 - 140*

Lab Sample ID: MB 480-559506/2-A
Matrix: Solid
Analysis Batch: 559841

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 559506

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	5.0	U	5.0	0.36	ug/Kg		11/17/20 13:39	11/19/20 00:07	1
1,1,2,2-Tetrachloroethane	5.0	U	5.0	0.81	ug/Kg		11/17/20 13:39	11/19/20 00:07	1
1,1,2-Trichloro-1,2,2-trifluoroethane	5.0	U	5.0	1.1	ug/Kg		11/17/20 13:39	11/19/20 00:07	1
1,1,2-Trichloroethane	5.0	U	5.0	0.65	ug/Kg		11/17/20 13:39	11/19/20 00:07	1
1,1-Dichloroethane	5.0	U	5.0	0.61	ug/Kg		11/17/20 13:39	11/19/20 00:07	1
1,1-Dichloroethene	5.0	U	5.0	0.61	ug/Kg		11/17/20 13:39	11/19/20 00:07	1
1,2,4-Trichlorobenzene	5.0	U	5.0	0.30	ug/Kg		11/17/20 13:39	11/19/20 00:07	1
1,2-Dibromo-3-Chloropropane	5.0	U	5.0	2.5	ug/Kg		11/17/20 13:39	11/19/20 00:07	1
1,2-Dichlorobenzene	5.0	U	5.0	0.39	ug/Kg		11/17/20 13:39	11/19/20 00:07	1
1,2-Dichloroethane	5.0	U	5.0	0.25	ug/Kg		11/17/20 13:39	11/19/20 00:07	1
1,2-Dichloropropane	5.0	U	5.0	2.5	ug/Kg		11/17/20 13:39	11/19/20 00:07	1
1,3-Dichlorobenzene	5.0	U	5.0	0.26	ug/Kg		11/17/20 13:39	11/19/20 00:07	1
1,4-Dichlorobenzene	5.0	U	5.0	0.70	ug/Kg		11/17/20 13:39	11/19/20 00:07	1
2-Butanone (MEK)	25	U	25	1.8	ug/Kg		11/17/20 13:39	11/19/20 00:07	1
2-Hexanone	25	U	25	2.5	ug/Kg		11/17/20 13:39	11/19/20 00:07	1
4-Methyl-2-pentanone (MIBK)	25	U	25	1.6	ug/Kg		11/17/20 13:39	11/19/20 00:07	1
Acetone	25	U	25	4.2	ug/Kg		11/17/20 13:39	11/19/20 00:07	1
Benzene	5.0	U	5.0	0.25	ug/Kg		11/17/20 13:39	11/19/20 00:07	1
Bromoform	5.0	U	5.0	2.5	ug/Kg		11/17/20 13:39	11/19/20 00:07	1
Bromomethane	5.0	U	5.0	0.45	ug/Kg		11/17/20 13:39	11/19/20 00:07	1
Carbon disulfide	5.0	U	5.0	2.5	ug/Kg		11/17/20 13:39	11/19/20 00:07	1
Carbon tetrachloride	5.0	U	5.0	0.48	ug/Kg		11/17/20 13:39	11/19/20 00:07	1
Chlorobenzene	5.0	U	5.0	0.66	ug/Kg		11/17/20 13:39	11/19/20 00:07	1
Chloroethane	5.0	U	5.0	1.1	ug/Kg		11/17/20 13:39	11/19/20 00:07	1
Chloroform	5.0	U	5.0	0.31	ug/Kg		11/17/20 13:39	11/19/20 00:07	1
Chloromethane	5.0	U	5.0	0.30	ug/Kg		11/17/20 13:39	11/19/20 00:07	1
cis-1,2-Dichloroethene	5.0	U	5.0	0.64	ug/Kg		11/17/20 13:39	11/19/20 00:07	1
Bromodichloromethane	5.0	U	5.0	0.67	ug/Kg		11/17/20 13:39	11/19/20 00:07	1

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

Lab Sample ID: MB 480-559506/2-A
Matrix: Solid
Analysis Batch: 559841

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 559506

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyclohexane	5.0	U	5.0	0.70	ug/Kg		11/17/20 13:39	11/19/20 00:07	1
Dibromochloromethane	5.0	U	5.0	0.64	ug/Kg		11/17/20 13:39	11/19/20 00:07	1
1,2-Dibromoethane	5.0	U	5.0	0.64	ug/Kg		11/17/20 13:39	11/19/20 00:07	1
Dichlorodifluoromethane	5.0	U	5.0	0.41	ug/Kg		11/17/20 13:39	11/19/20 00:07	1
Ethylbenzene	5.0	U	5.0	0.35	ug/Kg		11/17/20 13:39	11/19/20 00:07	1
Isopropylbenzene	5.0	U	5.0	0.75	ug/Kg		11/17/20 13:39	11/19/20 00:07	1
Methyl acetate	25	U	25	3.0	ug/Kg		11/17/20 13:39	11/19/20 00:07	1
Methyl tert-butyl ether	5.0	U	5.0	0.49	ug/Kg		11/17/20 13:39	11/19/20 00:07	1
Methylcyclohexane	5.0	U	5.0	0.76	ug/Kg		11/17/20 13:39	11/19/20 00:07	1
Methylene Chloride	3.51	J	5.0	2.3	ug/Kg		11/17/20 13:39	11/19/20 00:07	1
Tetrachloroethene	5.0	U	5.0	0.67	ug/Kg		11/17/20 13:39	11/19/20 00:07	1
Toluene	5.0	U	5.0	0.38	ug/Kg		11/17/20 13:39	11/19/20 00:07	1
trans-1,2-Dichloroethene	5.0	U	5.0	0.52	ug/Kg		11/17/20 13:39	11/19/20 00:07	1
trans-1,3-Dichloropropene	5.0	U	5.0	2.2	ug/Kg		11/17/20 13:39	11/19/20 00:07	1
Trichloroethene	5.0	U	5.0	1.1	ug/Kg		11/17/20 13:39	11/19/20 00:07	1
cis-1,3-Dichloropropene	5.0	U	5.0	0.72	ug/Kg		11/17/20 13:39	11/19/20 00:07	1
Trichlorofluoromethane	5.0	U	5.0	0.47	ug/Kg		11/17/20 13:39	11/19/20 00:07	1
Styrene	5.0	U	5.0	0.25	ug/Kg		11/17/20 13:39	11/19/20 00:07	1
Vinyl chloride	5.0	U	5.0	0.61	ug/Kg		11/17/20 13:39	11/19/20 00:07	1
Xylenes, Total	10	U	10	0.84	ug/Kg		11/17/20 13:39	11/19/20 00:07	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*102*		*64 - 126*	*11/17/20 13:39*	*11/19/20 00:07*	*1*
4-Bromofluorobenzene (Surr)	*98*		*72 - 126*	*11/17/20 13:39*	*11/19/20 00:07*	*1*
Toluene-d8 (Surr)	*99*		*71 - 125*	*11/17/20 13:39*	*11/19/20 00:07*	*1*
Dibromofluoromethane (Surr)	*119*		*60 - 140*	*11/17/20 13:39*	*11/19/20 00:07*	*1*

Lab Sample ID: LCS 480-559506/1-A
Matrix: Solid
Analysis Batch: 559841

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 559506

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	50.0	55.0		ug/Kg		110	77 - 121
1,1,2,2-Tetrachloroethane	50.0	44.5		ug/Kg		89	80 - 120
1,1,2-Trichloro-1,2,2-trifluoroethane	50.0	55.0		ug/Kg		110	60 - 140
1,1,2-Trichloroethane	50.0	46.7		ug/Kg		93	78 - 122
1,1-Dichloroethane	50.0	49.7		ug/Kg		99	73 - 126
1,1-Dichloroethene	50.0	55.6		ug/Kg		111	59 - 125
1,2,4-Trichlorobenzene	50.0	50.2		ug/Kg		100	64 - 120
1,2-Dibromo-3-Chloropropane	50.0	41.8		ug/Kg		84	63 - 124
1,2-Dichlorobenzene	50.0	51.0		ug/Kg		102	75 - 120
1,2-Dichloroethane	50.0	49.8		ug/Kg		100	77 - 122
1,2-Dichloropropane	50.0	49.5		ug/Kg		99	75 - 124
1,3-Dichlorobenzene	50.0	52.5		ug/Kg		105	74 - 120
1,4-Dichlorobenzene	50.0	51.3		ug/Kg		103	73 - 120
2-Butanone (MEK)	250	249		ug/Kg		100	70 - 134
2-Hexanone	250	236		ug/Kg		94	59 - 130
4-Methyl-2-pentanone (MIBK)	250	235		ug/Kg		94	65 - 133

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

Lab Sample ID: LCS 480-559506/1-A
Matrix: Solid
Analysis Batch: 559841

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 559506

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	250	254		ug/Kg		102	61 - 137
Benzene	50.0	49.6		ug/Kg		99	79 - 127
Bromoform	50.0	49.7		ug/Kg		99	68 - 126
Bromomethane	50.0	53.1		ug/Kg		106	37 - 149
Carbon disulfide	50.0	50.6		ug/Kg		101	64 - 131
Carbon tetrachloride	50.0	57.5		ug/Kg		115	75 - 135
Chlorobenzene	50.0	53.9		ug/Kg		108	76 - 124
Chloroethane	50.0	52.8		ug/Kg		106	69 - 135
Chloroform	50.0	53.6		ug/Kg		107	80 - 120
Chloromethane	50.0	48.3		ug/Kg		97	63 - 127
cis-1,2-Dichloroethene	50.0	52.2		ug/Kg		104	81 - 120
Bromodichloromethane	50.0	54.0		ug/Kg		108	80 - 122
Cyclohexane	50.0	54.6		ug/Kg		109	65 - 120
Dibromochloromethane	50.0	55.0		ug/Kg		110	76 - 125
1,2-Dibromoethane	50.0	47.8		ug/Kg		96	78 - 120
Dichlorodifluoromethane	50.0	47.5		ug/Kg		95	57 - 142
Ethylbenzene	50.0	51.5		ug/Kg		103	80 - 120
Isopropylbenzene	50.0	49.5		ug/Kg		99	72 - 120
Methyl acetate	100	96.0		ug/Kg		96	55 - 136
Methyl tert-butyl ether	50.0	49.2		ug/Kg		98	63 - 125
Methylcyclohexane	50.0	55.6		ug/Kg		111	60 - 140
Methylene Chloride	50.0	55.2		ug/Kg		110	61 - 127
Tetrachloroethene	50.0	53.3		ug/Kg		107	74 - 122
Toluene	50.0	49.6		ug/Kg		99	74 - 128
trans-1,2-Dichloroethene	50.0	55.1		ug/Kg		110	78 - 126
Trichloroethene	50.0	55.2		ug/Kg		110	77 - 129
cis-1,3-Dichloropropene	50.0	51.4		ug/Kg		103	80 - 120
Trichlorofluoromethane	50.0	56.7		ug/Kg		113	65 - 146
Styrene	50.0	50.8		ug/Kg		102	80 - 120
Vinyl chloride	50.0	49.0		ug/Kg		98	61 - 133

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*100*		*64 - 126*
4-Bromofluorobenzene (Surr)	*100*		*72 - 126*
Toluene-d8 (Surr)	*97*		*71 - 125*
Dibromofluoromethane (Surr)	*117*		*60 - 140*

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

Lab Sample ID: MB 480-559203/1-A
Matrix: Solid
Analysis Batch: 560143

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 559203

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	170	U	170	25	ug/Kg		11/16/20 07:51	11/21/20 04:27	1
Acenaphthylene	170	U	170	22	ug/Kg		11/16/20 07:51	11/21/20 04:27	1
Anthracene	170	U	170	42	ug/Kg		11/16/20 07:51	11/21/20 04:27	1
Benzo[a]anthracene	170	U	170	17	ug/Kg		11/16/20 07:51	11/21/20 04:27	1
Benzo[a]pyrene	170	U	170	25	ug/Kg		11/16/20 07:51	11/21/20 04:27	1

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

Lab Sample ID: MB 480-559203/1-A
Matrix: Solid
Analysis Batch: 560143

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 559203

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[b]fluoranthene	170	U	170	27	ug/Kg		11/16/20 07:51	11/21/20 04:27	1
Benzo[g,h,i]perylene	170	U	170	18	ug/Kg		11/16/20 07:51	11/21/20 04:27	1
Benzo[k]fluoranthene	170	U	170	22	ug/Kg		11/16/20 07:51	11/21/20 04:27	1
Chrysene	170	U	170	38	ug/Kg		11/16/20 07:51	11/21/20 04:27	1
Dibenz(a,h)anthracene	170	U	170	30	ug/Kg		11/16/20 07:51	11/21/20 04:27	1
Fluoranthene	170	U	170	18	ug/Kg		11/16/20 07:51	11/21/20 04:27	1
Fluorene	170	U	170	20	ug/Kg		11/16/20 07:51	11/21/20 04:27	1
Indeno[1,2,3-cd]pyrene	170	U	170	21	ug/Kg		11/16/20 07:51	11/21/20 04:27	1
Naphthalene	170	U	170	22	ug/Kg		11/16/20 07:51	11/21/20 04:27	1
Phenanthrene	170	U	170	25	ug/Kg		11/16/20 07:51	11/21/20 04:27	1
Pyrene	170	U	170	20	ug/Kg		11/16/20 07:51	11/21/20 04:27	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*94*		*60 - 120*	*11/16/20 07:51*	*11/21/20 04:27*	*1*
Nitrobenzene-d5 (Surr)	*88*		*53 - 120*	*11/16/20 07:51*	*11/21/20 04:27*	*1*
p-Terphenyl-d14 (Surr)	*96*		*79 - 130*	*11/16/20 07:51*	*11/21/20 04:27*	*1*

Lab Sample ID: LCS 480-559203/2-A
Matrix: Solid
Analysis Batch: 560143

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 559203

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acenaphthene	1660	1600		ug/Kg		96	62 - 120
Acenaphthylene	1660	1630		ug/Kg		98	58 - 121
Anthracene	1660	1750		ug/Kg		106	62 - 120
Benzo[a]anthracene	1660	1650		ug/Kg		100	65 - 120
Benzo[a]pyrene	1660	1820		ug/Kg		110	64 - 120
Benzo[b]fluoranthene	1660	1890		ug/Kg		114	64 - 120
Benzo[g,h,i]perylene	1660	1820		ug/Kg		110	45 - 145
Benzo[k]fluoranthene	1660	1760		ug/Kg		106	65 - 120
Chrysene	1660	1720		ug/Kg		104	64 - 120
Dibenz(a,h)anthracene	1660	1870		ug/Kg		113	54 - 132
Fluoranthene	1660	1720		ug/Kg		104	62 - 120
Fluorene	1660	1660		ug/Kg		100	63 - 120
Indeno[1,2,3-cd]pyrene	1660	1840		ug/Kg		111	56 - 134
Naphthalene	1660	1580		ug/Kg		95	55 - 120
Phenanthrene	1660	1770		ug/Kg		107	60 - 120
Pyrene	1660	1700		ug/Kg		102	61 - 133

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl	*96*		*60 - 120*
Nitrobenzene-d5 (Surr)	*94*		*53 - 120*
p-Terphenyl-d14 (Surr)	*100*		*79 - 130*

Method: 6010C - Metals (ICP)

Lab Sample ID: MB 480-560357/1-A
Matrix: Solid
Analysis Batch: 560671

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 560357

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	0.51	U	0.51	0.20	mg/Kg		11/23/20 08:35	11/23/20 23:11	1

Lab Sample ID: LCSSRM 480-560357/2-A
Matrix: Solid
Analysis Batch: 560671

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 560357

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec. Limits
Chromium	158	125.7		mg/Kg		79.5	65.2 - 120.9

Method: 9012B - Cyanide, Total andor Amenable

Lab Sample ID: MB 480-560274/1-A
Matrix: Solid
Analysis Batch: 560423

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 560274

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	0.90	U	0.90	0.43	mg/Kg		11/20/20 21:56	11/22/20 15:24	1

Lab Sample ID: LCSSRM 480-560274/2-A
Matrix: Solid
Analysis Batch: 560423

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 560274

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec. Limits
Cyanide, Total	23.1	2.65	*	mg/Kg		11.5	17.0 - 162.8

Lab Sample ID: 480-177968-1 MS
Matrix: Solid
Analysis Batch: 560423

Client Sample ID: B-17-11102020-0.7-1.2
Prep Type: Total/NA
Prep Batch: 560274

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Cyanide, Total	1.1	U F1 *	1.38	0.981	J F1	mg/Kg	☼	71	85 - 115

Lab Sample ID: 480-177968-1 DU
Matrix: Solid
Analysis Batch: 560423

Client Sample ID: B-17-11102020-0.7-1.2
Prep Type: Total/NA
Prep Batch: 560274

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Cyanide, Total	1.1	U F1 *	1.1	U *	mg/Kg	☼	NC	15

QC Association Summary

Client: Parsons Corporation
Project/Site: Honeywell - Tonawanda Plastics

Job ID: 480-177968-1

GC/MS VOA

Prep Batch: 558649

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-177968-4	B-14-11102020-0.3-0.8	Total/NA	Solid	5035A_H	
480-177968-5	B-14-11102020-4.5-5.0	Total/NA	Solid	5035A_H	
480-177968-6	B-16-11102020-0.9-1.4	Total/NA	Solid	5035A_H	
480-177968-7	B-16-11102020-2.5-3.0	Total/NA	Solid	5035A_H	
480-177968-9	B-30-11102020-0.5-1.0	Total/NA	Solid	5035A_H	
MB 480-558649/2-A	Method Blank	Total/NA	Solid	5035A_H	
LCS 480-558649/1-A	Lab Control Sample	Total/NA	Solid	5035A_H	

Prep Batch: 558857

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-177968-1	B-17-11102020-0.7-1.2	Total/NA	Solid	5035A_L	
480-177968-2	B-17-11102020-1.5-2.0	Total/NA	Solid	5035A_L	
480-177968-3	B-15-11102020-1.3-1.8	Total/NA	Solid	5035A_L	
MB 480-558857/2-A	Method Blank	Total/NA	Solid	5035A_L	
LCS 480-558857/1-A	Lab Control Sample	Total/NA	Solid	5035A_L	
LCSD 480-558857/3-A	Lab Control Sample Dup	Total/NA	Solid	5035A_L	

Analysis Batch: 558860

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-177968-1	B-17-11102020-0.7-1.2	Total/NA	Solid	8260C	558857
480-177968-2	B-17-11102020-1.5-2.0	Total/NA	Solid	8260C	558857
480-177968-3	B-15-11102020-1.3-1.8	Total/NA	Solid	8260C	558857
MB 480-558857/2-A	Method Blank	Total/NA	Solid	8260C	558857
LCS 480-558857/1-A	Lab Control Sample	Total/NA	Solid	8260C	558857
LCSD 480-558857/3-A	Lab Control Sample Dup	Total/NA	Solid	8260C	558857

Analysis Batch: 558981

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-177968-4	B-14-11102020-0.3-0.8	Total/NA	Solid	8260C	558649
480-177968-6	B-16-11102020-0.9-1.4	Total/NA	Solid	8260C	558649
480-177968-9	B-30-11102020-0.5-1.0	Total/NA	Solid	8260C	558649
MB 480-558649/2-A	Method Blank	Total/NA	Solid	8260C	558649

Analysis Batch: 559093

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 480-558649/1-A	Lab Control Sample	Total/NA	Solid	8260C	558649

Prep Batch: 559289

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-177968-8	B-29-11102020-1.8-2.3	Total/NA	Solid	5035A_L	
480-177968-11	B-12-11102020-1.0-1.5	Total/NA	Solid	5035A_L	
MB 480-559289/2-A	Method Blank	Total/NA	Solid	5035A_L	
LCS 480-559289/1-A	Lab Control Sample	Total/NA	Solid	5035A_L	

Analysis Batch: 559303

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-177968-5	B-14-11102020-4.5-5.0	Total/NA	Solid	8260C	558649
480-177968-7	B-16-11102020-2.5-3.0	Total/NA	Solid	8260C	558649

GC/MS VOA

Analysis Batch: 559476

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-177968-8	B-29-11102020-1.8-2.3	Total/NA	Solid	8260C	559289
480-177968-11	B-12-11102020-1.0-1.5	Total/NA	Solid	8260C	559289
MB 480-559289/2-A	Method Blank	Total/NA	Solid	8260C	559289
LCS 480-559289/1-A	Lab Control Sample	Total/NA	Solid	8260C	559289

Prep Batch: 559506

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-177968-10	B-30-11102020-3.5-4.0	Total/NA	Solid	5035A_L	
MB 480-559506/2-A	Method Blank	Total/NA	Solid	5035A_L	
LCS 480-559506/1-A	Lab Control Sample	Total/NA	Solid	5035A_L	

Analysis Batch: 559841

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-177968-10	B-30-11102020-3.5-4.0	Total/NA	Solid	8260C	559506
MB 480-559506/2-A	Method Blank	Total/NA	Solid	8260C	559506
LCS 480-559506/1-A	Lab Control Sample	Total/NA	Solid	8260C	559506

GC/MS Semi VOA

Prep Batch: 559203

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-177968-1	B-17-11102020-0.7-1.2	Total/NA	Solid	3550C	
480-177968-2	B-17-11102020-1.5-2.0	Total/NA	Solid	3550C	
480-177968-3	B-15-11102020-1.3-1.8	Total/NA	Solid	3550C	
480-177968-4	B-14-11102020-0.3-0.8	Total/NA	Solid	3550C	
480-177968-4 - DL	B-14-11102020-0.3-0.8	Total/NA	Solid	3550C	
480-177968-5	B-14-11102020-4.5-5.0	Total/NA	Solid	3550C	
480-177968-6 - DL	B-16-11102020-0.9-1.4	Total/NA	Solid	3550C	
480-177968-6	B-16-11102020-0.9-1.4	Total/NA	Solid	3550C	
480-177968-7	B-16-11102020-2.5-3.0	Total/NA	Solid	3550C	
480-177968-8	B-29-11102020-1.8-2.3	Total/NA	Solid	3550C	
480-177968-9	B-30-11102020-0.5-1.0	Total/NA	Solid	3550C	
480-177968-9 - DL	B-30-11102020-0.5-1.0	Total/NA	Solid	3550C	
480-177968-10	B-30-11102020-3.5-4.0	Total/NA	Solid	3550C	
480-177968-11	B-12-11102020-1.0-1.5	Total/NA	Solid	3550C	
MB 480-559203/1-A	Method Blank	Total/NA	Solid	3550C	
LCS 480-559203/2-A	Lab Control Sample	Total/NA	Solid	3550C	

Analysis Batch: 560143

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-177968-1	B-17-11102020-0.7-1.2	Total/NA	Solid	8270D	559203
480-177968-2	B-17-11102020-1.5-2.0	Total/NA	Solid	8270D	559203
480-177968-3	B-15-11102020-1.3-1.8	Total/NA	Solid	8270D	559203
480-177968-4	B-14-11102020-0.3-0.8	Total/NA	Solid	8270D	559203
480-177968-5	B-14-11102020-4.5-5.0	Total/NA	Solid	8270D	559203
480-177968-6	B-16-11102020-0.9-1.4	Total/NA	Solid	8270D	559203
480-177968-7	B-16-11102020-2.5-3.0	Total/NA	Solid	8270D	559203
480-177968-8	B-29-11102020-1.8-2.3	Total/NA	Solid	8270D	559203
480-177968-9	B-30-11102020-0.5-1.0	Total/NA	Solid	8270D	559203
480-177968-10	B-30-11102020-3.5-4.0	Total/NA	Solid	8270D	559203
480-177968-11	B-12-11102020-1.0-1.5	Total/NA	Solid	8270D	559203

GC/MS Semi VOA (Continued)

Analysis Batch: 560143 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 480-559203/1-A	Method Blank	Total/NA	Solid	8270D	559203
LCS 480-559203/2-A	Lab Control Sample	Total/NA	Solid	8270D	559203

Analysis Batch: 560481

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-177968-4 - DL	B-14-11102020-0.3-0.8	Total/NA	Solid	8270D	559203
480-177968-6 - DL	B-16-11102020-0.9-1.4	Total/NA	Solid	8270D	559203
480-177968-9 - DL	B-30-11102020-0.5-1.0	Total/NA	Solid	8270D	559203

Metals

Prep Batch: 560357

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-177968-1	B-17-11102020-0.7-1.2	Total/NA	Solid	3050B	
480-177968-2	B-17-11102020-1.5-2.0	Total/NA	Solid	3050B	
480-177968-3	B-15-11102020-1.3-1.8	Total/NA	Solid	3050B	
480-177968-4	B-14-11102020-0.3-0.8	Total/NA	Solid	3050B	
480-177968-5	B-14-11102020-4.5-5.0	Total/NA	Solid	3050B	
480-177968-6	B-16-11102020-0.9-1.4	Total/NA	Solid	3050B	
480-177968-7	B-16-11102020-2.5-3.0	Total/NA	Solid	3050B	
480-177968-8	B-29-11102020-1.8-2.3	Total/NA	Solid	3050B	
480-177968-9	B-30-11102020-0.5-1.0	Total/NA	Solid	3050B	
480-177968-10	B-30-11102020-3.5-4.0	Total/NA	Solid	3050B	
480-177968-11	B-12-11102020-1.0-1.5	Total/NA	Solid	3050B	
MB 480-560357/1-A	Method Blank	Total/NA	Solid	3050B	
LCSSRM 480-560357/2-A	Lab Control Sample	Total/NA	Solid	3050B	

Analysis Batch: 560671

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-177968-1	B-17-11102020-0.7-1.2	Total/NA	Solid	6010C	560357
480-177968-2	B-17-11102020-1.5-2.0	Total/NA	Solid	6010C	560357
480-177968-3	B-15-11102020-1.3-1.8	Total/NA	Solid	6010C	560357
480-177968-4	B-14-11102020-0.3-0.8	Total/NA	Solid	6010C	560357
480-177968-5	B-14-11102020-4.5-5.0	Total/NA	Solid	6010C	560357
480-177968-6	B-16-11102020-0.9-1.4	Total/NA	Solid	6010C	560357
480-177968-7	B-16-11102020-2.5-3.0	Total/NA	Solid	6010C	560357
480-177968-8	B-29-11102020-1.8-2.3	Total/NA	Solid	6010C	560357
480-177968-9	B-30-11102020-0.5-1.0	Total/NA	Solid	6010C	560357
480-177968-10	B-30-11102020-3.5-4.0	Total/NA	Solid	6010C	560357
480-177968-11	B-12-11102020-1.0-1.5	Total/NA	Solid	6010C	560357
MB 480-560357/1-A	Method Blank	Total/NA	Solid	6010C	560357
LCSSRM 480-560357/2-A	Lab Control Sample	Total/NA	Solid	6010C	560357

General Chemistry

Analysis Batch: 558639

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-177968-1	B-17-11102020-0.7-1.2	Total/NA	Solid	Moisture	
480-177968-2	B-17-11102020-1.5-2.0	Total/NA	Solid	Moisture	
480-177968-3	B-15-11102020-1.3-1.8	Total/NA	Solid	Moisture	
480-177968-4	B-14-11102020-0.3-0.8	Total/NA	Solid	Moisture	
480-177968-5	B-14-11102020-4.5-5.0	Total/NA	Solid	Moisture	

General Chemistry (Continued)

Analysis Batch: 558639 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-177968-6	B-16-11102020-0.9-1.4	Total/NA	Solid	Moisture	
480-177968-7	B-16-11102020-2.5-3.0	Total/NA	Solid	Moisture	
480-177968-8	B-29-11102020-1.8-2.3	Total/NA	Solid	Moisture	
480-177968-9	B-30-11102020-0.5-1.0	Total/NA	Solid	Moisture	
480-177968-10	B-30-11102020-3.5-4.0	Total/NA	Solid	Moisture	
480-177968-11	B-12-11102020-1.0-1.5	Total/NA	Solid	Moisture	

Prep Batch: 560274

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-177968-1	B-17-11102020-0.7-1.2	Total/NA	Solid	9012B	
480-177968-2	B-17-11102020-1.5-2.0	Total/NA	Solid	9012B	
480-177968-3	B-15-11102020-1.3-1.8	Total/NA	Solid	9012B	
480-177968-4	B-14-11102020-0.3-0.8	Total/NA	Solid	9012B	
480-177968-5	B-14-11102020-4.5-5.0	Total/NA	Solid	9012B	
480-177968-6	B-16-11102020-0.9-1.4	Total/NA	Solid	9012B	
480-177968-7	B-16-11102020-2.5-3.0	Total/NA	Solid	9012B	
480-177968-8	B-29-11102020-1.8-2.3	Total/NA	Solid	9012B	
480-177968-9	B-30-11102020-0.5-1.0	Total/NA	Solid	9012B	
480-177968-10	B-30-11102020-3.5-4.0	Total/NA	Solid	9012B	
480-177968-11	B-12-11102020-1.0-1.5	Total/NA	Solid	9012B	
MB 480-560274/1-A	Method Blank	Total/NA	Solid	9012B	
LCSSRM 480-560274/2-A	Lab Control Sample	Total/NA	Solid	9012B	
480-177968-1 MS	B-17-11102020-0.7-1.2	Total/NA	Solid	9012B	
480-177968-1 DU	B-17-11102020-0.7-1.2	Total/NA	Solid	9012B	

Analysis Batch: 560423

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-177968-1	B-17-11102020-0.7-1.2	Total/NA	Solid	9012B	560274
480-177968-2	B-17-11102020-1.5-2.0	Total/NA	Solid	9012B	560274
480-177968-3	B-15-11102020-1.3-1.8	Total/NA	Solid	9012B	560274
480-177968-4	B-14-11102020-0.3-0.8	Total/NA	Solid	9012B	560274
480-177968-5	B-14-11102020-4.5-5.0	Total/NA	Solid	9012B	560274
480-177968-6	B-16-11102020-0.9-1.4	Total/NA	Solid	9012B	560274
480-177968-7	B-16-11102020-2.5-3.0	Total/NA	Solid	9012B	560274
480-177968-8	B-29-11102020-1.8-2.3	Total/NA	Solid	9012B	560274
480-177968-9	B-30-11102020-0.5-1.0	Total/NA	Solid	9012B	560274
480-177968-10	B-30-11102020-3.5-4.0	Total/NA	Solid	9012B	560274
480-177968-11	B-12-11102020-1.0-1.5	Total/NA	Solid	9012B	560274
MB 480-560274/1-A	Method Blank	Total/NA	Solid	9012B	560274
LCSSRM 480-560274/2-A	Lab Control Sample	Total/NA	Solid	9012B	560274
480-177968-1 MS	B-17-11102020-0.7-1.2	Total/NA	Solid	9012B	560274
480-177968-1 DU	B-17-11102020-0.7-1.2	Total/NA	Solid	9012B	560274

Client Sample ID: B-17-11102020-0.7-1.2 — **Lab Sample ID: 480-177968-1**
Date Collected: 11/10/20 08:35 — **Matrix: Solid**
Date Received: 11/10/20 18:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	558639	11/11/20 17:51	GSR	TAL BUF

Client Sample ID: B-17-11102020-0.7-1.2 — **Lab Sample ID: 480-177968-1**
Date Collected: 11/10/20 08:35 — **Matrix: Solid**
Date Received: 11/10/20 18:00 — **Percent Solids: 83.3**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_L			558857	11/11/20 15:50	CDC	TAL BUF
Total/NA	Analysis	8260C		1	558860	11/12/20 22:49	WJD	TAL BUF
Total/NA	Prep	3550C			559203	11/16/20 07:51	VXF	TAL BUF
Total/NA	Analysis	8270D		1	560143	11/21/20 09:41	JMM	TAL BUF
Total/NA	Prep	3050B			560357	11/23/20 08:35	ADM	TAL BUF
Total/NA	Analysis	6010C		1	560671	11/24/20 00:32	LMH	TAL BUF
Total/NA	Prep	9012B			560274	11/20/20 21:56	ALT	TAL BUF
Total/NA	Analysis	9012B		1	560423	11/22/20 15:27	ALT	TAL BUF

Client Sample ID: B-17-11102020-1.5-2.0 — **Lab Sample ID: 480-177968-2**
Date Collected: 11/10/20 08:45 — **Matrix: Solid**
Date Received: 11/10/20 18:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	558639	11/11/20 17:51	GSR	TAL BUF

Client Sample ID: B-17-11102020-1.5-2.0 — **Lab Sample ID: 480-177968-2**
Date Collected: 11/10/20 08:45 — **Matrix: Solid**
Date Received: 11/10/20 18:00 — **Percent Solids: 84.2**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_L			558857	11/11/20 15:50	CDC	TAL BUF
Total/NA	Analysis	8260C		1	558860	11/12/20 23:14	WJD	TAL BUF
Total/NA	Prep	3550C			559203	11/16/20 07:51	VXF	TAL BUF
Total/NA	Analysis	8270D		1	560143	11/21/20 10:05	JMM	TAL BUF
Total/NA	Prep	3050B			560357	11/23/20 08:35	ADM	TAL BUF
Total/NA	Analysis	6010C		1	560671	11/24/20 00:36	LMH	TAL BUF
Total/NA	Prep	9012B			560274	11/20/20 21:56	ALT	TAL BUF
Total/NA	Analysis	9012B		1	560423	11/22/20 15:31	ALT	TAL BUF

Client Sample ID: B-15-11102020-1.3-1.8 — **Lab Sample ID: 480-177968-3**
Date Collected: 11/10/20 09:00 — **Matrix: Solid**
Date Received: 11/10/20 18:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	558639	11/11/20 17:51	GSR	TAL BUF

Client Sample ID: B-15-11102020-1.3-1.8
Lab Sample ID: 480-177968-3

Date Collected: 11/10/20 09:00
Matrix: Solid
Date Received: 11/10/20 18:00
Percent Solids: 84.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_L			558857	11/11/20 15:50	CDC	TAL BUF
Total/NA	Analysis	8260C		1	558860	11/12/20 23:39	WJD	TAL BUF
Total/NA	Prep	3550C			559203	11/16/20 07:51	VXF	TAL BUF
Total/NA	Analysis	8270D		1	560143	11/21/20 10:29	JMM	TAL BUF
Total/NA	Prep	3050B			560357	11/23/20 08:35	ADM	TAL BUF
Total/NA	Analysis	6010C		1	560671	11/24/20 00:40	LMH	TAL BUF
Total/NA	Prep	9012B			560274	11/20/20 21:56	ALT	TAL BUF
Total/NA	Analysis	9012B		1	560423	11/22/20 15:33	ALT	TAL BUF

Client Sample ID: B-14-11102020-0.3-0.8
Lab Sample ID: 480-177968-4

Date Collected: 11/10/20 10:55
Matrix: Solid
Date Received: 11/10/20 18:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	558639	11/11/20 17:51	GSR	TAL BUF

Client Sample ID: B-14-11102020-0.3-0.8
Lab Sample ID: 480-177968-4

Date Collected: 11/10/20 10:55
Matrix: Solid
Date Received: 11/10/20 18:00
Percent Solids: 83.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_H			558649	11/11/20 19:48	CDC	TAL BUF
Total/NA	Analysis	8260C		100	558981	11/13/20 21:16	LCH	TAL BUF
Total/NA	Prep	3550C			559203	11/16/20 07:51	VXF	TAL BUF
Total/NA	Analysis	8270D		20	560143	11/21/20 10:53	JMM	TAL BUF
Total/NA	Prep	3550C	DL		559203	11/16/20 07:51	VXF	TAL BUF
Total/NA	Analysis	8270D	DL	50	560481	11/24/20 00:08	JMM	TAL BUF
Total/NA	Prep	3050B			560357	11/23/20 08:35	ADM	TAL BUF
Total/NA	Analysis	6010C		1	560671	11/24/20 00:44	LMH	TAL BUF
Total/NA	Prep	9012B			560274	11/20/20 21:56	ALT	TAL BUF
Total/NA	Analysis	9012B		1	560423	11/22/20 15:34	ALT	TAL BUF

Client Sample ID: B-14-11102020-4.5-5.0
Lab Sample ID: 480-177968-5

Date Collected: 11/10/20 11:00
Matrix: Solid
Date Received: 11/10/20 18:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	558639	11/11/20 17:51	GSR	TAL BUF

Client Sample ID: B-14-11102020-4.5-5.0
Lab Sample ID: 480-177968-5

Date Collected: 11/10/20 11:00
Matrix: Solid
Date Received: 11/10/20 18:00
Percent Solids: 86.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_H			558649	11/11/20 19:48	CDC	TAL BUF
Total/NA	Analysis	8260C		1	559303	11/17/20 03:19	AMM	TAL BUF

Client Sample ID: B-14-11102020-4.5-5.0
Lab Sample ID: 480-177968-5

Date Collected: 11/10/20 11:00
Matrix: Solid
Date Received: 11/10/20 18:00
Percent Solids: 86.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			559203	11/16/20 07:51	VXF	TAL BUF
Total/NA	Analysis	8270D		5	560143	11/21/20 11:17	JMM	TAL BUF
Total/NA	Prep	3050B			560357	11/23/20 08:35	ADM	TAL BUF
Total/NA	Analysis	6010C		1	560671	11/24/20 00:59	LMH	TAL BUF
Total/NA	Prep	9012B			560274	11/20/20 21:56	ALT	TAL BUF
Total/NA	Analysis	9012B		1	560423	11/22/20 15:36	ALT	TAL BUF

Client Sample ID: B-16-11102020-0.9-1.4
Lab Sample ID: 480-177968-6

Date Collected: 11/10/20 12:20
Matrix: Solid
Date Received: 11/10/20 18:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	558639	11/11/20 17:51	GSR	TAL BUF

Client Sample ID: B-16-11102020-0.9-1.4
Lab Sample ID: 480-177968-6

Date Collected: 11/10/20 12:20
Matrix: Solid
Date Received: 11/10/20 18:00
Percent Solids: 87.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_H			558649	11/11/20 19:48	CDC	TAL BUF
Total/NA	Analysis	8260C		100	558981	11/13/20 22:03	LCH	TAL BUF
Total/NA	Prep	3550C			559203	11/16/20 07:51	VXF	TAL BUF
Total/NA	Analysis	8270D		10	560143	11/21/20 11:41	JMM	TAL BUF
Total/NA	Prep	3550C	DL		559203	11/16/20 07:51	VXF	TAL BUF
Total/NA	Analysis	8270D	DL	50	560481	11/24/20 00:32	JMM	TAL BUF
Total/NA	Prep	3050B			560357	11/23/20 08:35	ADM	TAL BUF
Total/NA	Analysis	6010C		1	560671	11/24/20 01:03	LMH	TAL BUF
Total/NA	Prep	9012B			560274	11/20/20 21:56	ALT	TAL BUF
Total/NA	Analysis	9012B		1	560423	11/22/20 15:37	ALT	TAL BUF

Client Sample ID: B-16-11102020-2.5-3.0
Lab Sample ID: 480-177968-7

Date Collected: 11/10/20 12:25
Matrix: Solid
Date Received: 11/10/20 18:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	558639	11/11/20 17:51	GSR	TAL BUF

Client Sample ID: B-16-11102020-2.5-3.0
Lab Sample ID: 480-177968-7

Date Collected: 11/10/20 12:25
Matrix: Solid
Date Received: 11/10/20 18:00
Percent Solids: 79.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_H			558649	11/11/20 19:48	CDC	TAL BUF
Total/NA	Analysis	8260C		4	559303	11/17/20 03:42	AMM	TAL BUF
Total/NA	Prep	3550C			559203	11/16/20 07:51	VXF	TAL BUF
Total/NA	Analysis	8270D		1	560143	11/21/20 12:06	JMM	TAL BUF

Client Sample ID: B-16-11102020-2.5-3.0
Lab Sample ID: 480-177968-7

Date Collected: 11/10/20 12:25
Matrix: Solid
Date Received: 11/10/20 18:00
Percent Solids: 79.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			560357	11/23/20 08:35	ADM	TAL BUF
Total/NA	Analysis	6010C		1	560671	11/24/20 01:07	LMH	TAL BUF
Total/NA	Prep	9012B			560274	11/20/20 21:56	ALT	TAL BUF
Total/NA	Analysis	9012B		1	560423	11/22/20 15:42	ALT	TAL BUF

Client Sample ID: B-29-11102020-1.8-2.3
Lab Sample ID: 480-177968-8

Date Collected: 11/10/20 13:00
Matrix: Solid
Date Received: 11/10/20 18:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	558639	11/11/20 17:51	GSR	TAL BUF

Client Sample ID: B-29-11102020-1.8-2.3
Lab Sample ID: 480-177968-8

Date Collected: 11/10/20 13:00
Matrix: Solid
Date Received: 11/10/20 18:00
Percent Solids: 75.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_L			559289	11/11/20 15:50	WJD	TAL BUF
Total/NA	Analysis	8260C		1	559476	11/17/20 14:57	CDC	TAL BUF
Total/NA	Prep	3550C			559203	11/16/20 07:51	VXF	TAL BUF
Total/NA	Analysis	8270D		1	560143	11/21/20 12:30	JMM	TAL BUF
Total/NA	Prep	3050B			560357	11/23/20 08:35	ADM	TAL BUF
Total/NA	Analysis	6010C		1	560671	11/24/20 01:11	LMH	TAL BUF
Total/NA	Prep	9012B			560274	11/20/20 21:56	ALT	TAL BUF
Total/NA	Analysis	9012B		1	560423	11/22/20 15:43	ALT	TAL BUF

Client Sample ID: B-30-11102020-0.5-1.0
Lab Sample ID: 480-177968-9

Date Collected: 11/10/20 13:20
Matrix: Solid
Date Received: 11/10/20 18:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	558639	11/11/20 17:51	GSR	TAL BUF

Client Sample ID: B-30-11102020-0.5-1.0
Lab Sample ID: 480-177968-9

Date Collected: 11/10/20 13:20
Matrix: Solid
Date Received: 11/10/20 18:00
Percent Solids: 87.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_H			558649	11/11/20 19:48	CDC	TAL BUF
Total/NA	Analysis	8260C		200	558981	11/13/20 23:12	LCH	TAL BUF
Total/NA	Prep	3550C			559203	11/16/20 07:51	VXF	TAL BUF
Total/NA	Analysis	8270D		20	560143	11/21/20 12:54	JMM	TAL BUF
Total/NA	Prep	3550C	DL		559203	11/16/20 07:51	VXF	TAL BUF
Total/NA	Analysis	8270D	DL	100	560481	11/24/20 00:56	JMM	TAL BUF
Total/NA	Prep	3050B			560357	11/23/20 08:35	ADM	TAL BUF
Total/NA	Analysis	6010C		1	560671	11/24/20 01:15	LMH	TAL BUF

Lab Chronicle

Client: Parsons Corporation
Project/Site: Honeywell - Tonawanda Plastics

Job ID: 480-177968-1

Client Sample ID: B-30-11102020-0.5-1.0

Lab Sample ID: 480-177968-9
Date Collected: 11/10/20 13:20
Matrix: Solid
Date Received: 11/10/20 18:00
Percent Solids: 87.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	9012B			560274	11/20/20 21:56	ALT	TAL BUF
Total/NA	Analysis	9012B		1	560423	11/22/20 15:44	ALT	TAL BUF

Client Sample ID: B-30-11102020-3.5-4.0

Lab Sample ID: 480-177968-10
Date Collected: 11/10/20 14:00
Matrix: Solid
Date Received: 11/10/20 18:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	558639	11/11/20 17:51	GSR	TAL BUF

Client Sample ID: B-30-11102020-3.5-4.0

Lab Sample ID: 480-177968-10
Date Collected: 11/10/20 14:00
Matrix: Solid
Date Received: 11/10/20 18:00
Percent Solids: 87.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_L			559506	11/11/20 15:50	WJD	TAL BUF
Total/NA	Analysis	8260C		1	559841	11/19/20 00:57	WJD	TAL BUF
Total/NA	Prep	3550C			559203	11/16/20 07:51	VXF	TAL BUF
Total/NA	Analysis	8270D		1	560143	11/21/20 13:18	JMM	TAL BUF
Total/NA	Prep	3050B			560357	11/23/20 08:35	ADM	TAL BUF
Total/NA	Analysis	6010C		1	560671	11/24/20 01:19	LMH	TAL BUF
Total/NA	Prep	9012B			560274	11/20/20 21:56	ALT	TAL BUF
Total/NA	Analysis	9012B		1	560423	11/22/20 15:46	ALT	TAL BUF

Client Sample ID: B-12-11102020-1.0-1.5

Lab Sample ID: 480-177968-11
Date Collected: 11/10/20 09:55
Matrix: Solid
Date Received: 11/10/20 18:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	558639	11/11/20 17:51	GSR	TAL BUF

Client Sample ID: B-12-11102020-1.0-1.5

Lab Sample ID: 480-177968-11
Date Collected: 11/10/20 09:55
Matrix: Solid
Date Received: 11/10/20 18:00
Percent Solids: 82.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_L			559289	11/11/20 15:50	WJD	TAL BUF
Total/NA	Analysis	8260C		1	559476	11/17/20 15:22	CDC	TAL BUF
Total/NA	Prep	3550C			559203	11/16/20 07:51	VXF	TAL BUF
Total/NA	Analysis	8270D		1	560143	11/21/20 13:42	JMM	TAL BUF
Total/NA	Prep	3050B			560357	11/23/20 08:35	ADM	TAL BUF
Total/NA	Analysis	6010C		1	560671	11/24/20 01:23	LMH	TAL BUF
Total/NA	Prep	9012B			560274	11/20/20 21:56	ALT	TAL BUF
Total/NA	Analysis	9012B		1	560423	11/22/20 15:47	ALT	TAL BUF

Lab Chronicle

Client: Parsons Corporation
Project/Site: Honeywell - Tonawanda Plastics

Job ID: 480-177968-1

Laboratory References:

TAL BUF = Eurofins TestAmerica, Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Accreditation/Certification Summary

Client: Parsons Corporation
Job ID: 480-177968-1
Project/Site: Honeywell - Tonawanda Plastics

Laboratory: Eurofins TestAmerica, Buffalo

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

Authority	Program	Identification Number	Expiration Date
New York	NELAP	10026	04-01-21

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
Moisture		Solid	Percent Moisture
Moisture		Solid	Percent Solids

Method Summary

Client: Parsons Corporation
Job ID: 480-177968-1
Project/Site: Honeywell - Tonawanda Plastics

Method	Method Description	Protocol	Laboratory
8260C	Volatile Organic Compounds by GC/MS	SW846	TAL BUF
8270D	Semivolatile Organic Compounds (GC/MS)	SW846	TAL BUF
6010C	Metals (ICP)	SW846	TAL BUF
9012B	Cyanide, Total andor Amenable	SW846	TAL BUF
Moisture	Percent Moisture	EPA	TAL BUF
3050B	Preparation, Metals	SW846	TAL BUF
3550C	Ultrasonic Extraction	SW846	TAL BUF
5035A_H	Closed System Purge and Trap	SW846	TAL BUF
5035A_L	Closed System Purge and Trap	SW846	TAL BUF
9012B	Cyanide, Total and/or Amenable, Distillation	SW846	TAL BUF

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 BUF = Eurofins TestAmerica, Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Sample Summary

Client: Parsons Corporation
Job ID: 480-177968-1
Project/Site: Honeywell - Tonawanda Plastics

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
480-177968-1	B-17-11102020-0.7-1.2	Solid	11/10/20 08:35	11/10/20 18:00	
480-177968-2	B-17-11102020-1.5-2.0	Solid	11/10/20 08:45	11/10/20 18:00	
480-177968-3	B-15-11102020-1.3-1.8	Solid	11/10/20 09:00	11/10/20 18:00	
480-177968-4	B-14-11102020-0.3-0.8	Solid	11/10/20 10:55	11/10/20 18:00	
480-177968-5	B-14-11102020-4.5-5.0	Solid	11/10/20 11:00	11/10/20 18:00	
480-177968-6	B-16-11102020-0.9-1.4	Solid	11/10/20 12:20	11/10/20 18:00	
480-177968-7	B-16-11102020-2.5-3.0	Solid	11/10/20 12:25	11/10/20 18:00	
480-177968-8	B-29-11102020-1.8-2.3	Solid	11/10/20 13:00	11/10/20 18:00	
480-177968-9	B-30-11102020-0.5-1.0	Solid	11/10/20 13:20	11/10/20 18:00	
480-177968-10	B-30-11102020-3.5-4.0	Solid	11/10/20 14:00	11/10/20 18:00	
480-177968-11	B-12-11102020-1.0-1.5	Solid	11/10/20 09:55	11/10/20 18:00	

Eurofins TestAmerica, Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Phone: 716-691-2600 Fax: 716-691-7991

Chain of Custody Record

eurofins | Environment Testing America

Client Information	Sampler: DAN CHAMBERLAND	Lab PM: Schove, John R	Carrier Tracking No(s):	COC No: 480-152727-33964.3
Client Contact: Mr. Jeff Poulsen	Phone: 716-289-0169	E-Mail: John.Schove@Eurofinset.com		Page: Page 1 of 1
Company: Parsons Corporation				Job #:
Address: 180 Lawrence Bell Drive Suite 104	Due Date Requested:			
City: Williamsville	TAT Requested (days): STANDARD			
State, Zip: NY, 14221				
Phone:	PO #: Purchase Order Requested			
Email: jeffrey.poulsen@parsons.com	WO #:			
Project Name: Honeywell - Tonawanda Plastics	Project #: 48023001			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:
A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, Dodecahydrate, one, A, 4-5, er (specify)

480-177968 Chain of Custody

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - TCL VOCs	6010C, 9012B	8270D - PAH Semivolatiles	Total Number of	Special Instructions/Note:
			Preservation Code:				N	N	N		
B-17_11102020-0.7-1.2	11/10/2020	08:35	G	Solid			X	X	X		
B-17_11102020-1.5-2.0	11/10/2020	08:45	G	Solid			X	X	X		
B-15_11102020-1.3-1.8	11/10/2020	09:00	G	Solid			X	X	X		
B-14_11102020-0.3-0.8	11/10/2020	10:55	G	Solid			X	X	X		
B-14_11102020-4.5-5.0	11/10/2020	11:00	G	Solid			X	X	X		
B-16_11102020-0.9-1.4	11/10/2020	12:20	G	Solid			X	X	X		
B-16_11102020-2.5-3.0	11/10/2020	12:25	G	Solid			X	X	X		
B-29_11102020-1.8-2.3	11/10/2020	13:00	G	Solid			X	X	X		
B-30_11102020-0.5-1.0	11/10/2020	13:20	G	Solid			X	X	X		
B-30_11102020-3.5-4.0	11/10/2020	14:00	G	Solid			X	X	X		
B-12_11102020-1.0-1.5	11/10/2020	09:55	G	Solid			X	X	X		

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:		
Relinquished by:	Date/Time: 11/10/2020 18:00	Company: PARSONS	Received by:	Date/Time: 11/10/20 1800	Company: TA
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.: | Cooler Temperature(s) °C and Other Remarks: 3.3

Ver: 01/16/2019

Login Sample Receipt Checklist

Client: Parsons Corporation

Job Number: 480-177968-1

Login Number: 177968

List Source: Eurofins TestAmerica, Buffalo

List Number: 1

Creator: Wallace, Cameron

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	FREEZE TIME 11/11/20 1550
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	PARSONS
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	True	
Chlorine Residual checked.	N/A	

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ANALYTICAL REPORT

Eurofins TestAmerica, Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Tel: (716)691-2600

Laboratory Job ID: 480-178044-1
Client Project/Site: Honeywell - Tonawanda Plastics

For:
Parsons Corporation
180 Lawrence Bell Drive
Suite 104
Williamsville, New York 14221

Attn: Mr. Jeff Poulsen

Authorized for release by:
11/25/2020 1:52:12 PM
Rebecca Jones, Project Management Assistant I
Rebecca.Jones@Eurofinset.com

Designee for

John Schove, Project Manager II
(716)504-9838
John.Schove@Eurofinset.com

Table of Contents

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*3	ISTD response or retention time outside acceptable limits.
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.
X	Surrogate recovery exceeds control limits

GC/MS Semi VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
U	Indicates the analyte was analyzed for but not detected.
X	Surrogate recovery exceeds control limits

Metals

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.

General Chemistry

Qualifier	Qualifier Description
*	LCS or LCSD is outside acceptance limits.
F1	MS and/or MSD recovery exceeds control limits.
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.

Glossary

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

Glossary (Continued)

Abbreviation	These commonly used abbreviations may or may not be present in this report.
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Job ID: 480-178044-1

Laboratory: Eurofins TestAmerica, Buffalo

Narrative

Job Narrative
480-178044-1

Comments
No additional comments.

Receipt
The samples were received on 11/11/2020 5:12 PM; the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 2.7º C.

GC/MS VOA
Method 8260C: The following samples were analyzed using medium level soil analysis and diluted to bring the concentration of target analytes within the calibration range: B-9-11112020-0.5-1.0 (480-178044-7), B-9-11112020-20-25 (480-178044-8) and B-9-11112020-9.5-10.0 (480-178044-9). Elevated reporting limits (RLs) are provided.

Method 8260C: The continuing calibration verification (CCV) associated with batch 480-559102 recovered above the upper control limit for Trichlorofluoromethane. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated samples are impacted: B-9-11112020-0.5-1.0 (480-178044-7), B-9-11112020-20-25 (480-178044-8) and B-9-11112020-9.5-10.0 (480-178044-9).

Method 8260C: The continuing calibration verification (CCV) associated with batch 480-559102 recovered outside acceptance criteria, low biased, for Chloromethane. A reporting limit (RL) standard was analyzed, and the target analyte was detected. Since the associated samples were non-detect for this analyte, the data have been reported.

Method 8260C: Surrogate recovery in the continuing calibration verification (CCV) was outside the 20%D recovery but within house limits. The following samples are impacted: B-9-11112020-0.5-1.0 (480-178044-7), B-9-11112020-20-25 (480-178044-8) and B-9-11112020-9.5-10.0 (480-178044-9).

Method 8260C: Internal standard (ISTD) and surrogate standard (SS) response for the following sample was outside control limits: B-4-11112020-0.8-1.3 (480-178044-2). The sample was re-analyzed and ISTD/SS response was outside control limits.

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

GC/MS Semi VOA
Method 8270D: The following sample was diluted due to color, appearance, and viscosity: B-9-11112020-0.5-1.0 (480-178044-7). Elevated reporting limits (RL) are provided.

Method 8270D: The continuing calibration verification (CCV) analyzed in batch 480-559708 was outside the method criteria for the following analyte(s): 2,4,6-Tribromophenol (Surr). A CCV standard at or below the reporting limit (RL) was analyzed with the affected samples and found to be acceptable. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte(s) is considered estimated.

Method 8270D: The laboratory control sample (LCS) for preparation batch 480-559530 and analytical batch 480-559708 recovered outside control limits for the following surrogate: 2,4,6-Tribromophenol. This surrogate is biased high and no detections were found for associated analytes in the following affected samples: B-1-11112020-1.5-2.0 (480-178044-1), B-4-11112020-0.8-1.3 (480-178044-2), B-4-11112020-1.5-2.0 (480-178044-3), B-5-11112020-0.6-1.1 (480-178044-4), B-7-11112020-1.7-2.2 (480-178044-5), B-8-11112020-1.9-2.4 (480-178044-6), B-9-11112020-0.5-1.0 (480-178044-7), B-9-11112020-20-25 (480-178044-8) and B-9-11112020-9.5-10.0 (480-178044-9). Therefore, the data has been reported.

Method 8270D: Six surrogates are used for this analysis. The laboratory's SOP allows one acid and one base of these surrogates to be outside acceptance criteria without performing re-extraction/re-analysis. The following sample contained an allowable number of surrogate compounds outside limits: (480-178044-B-1-B MSD). These results have been reported and qualified.

Method 8270D: Three surrogates are used for this analysis. The laboratory's SOP allows one of these surrogates to be outside acceptance criteria without performing re-extraction/re-analysis. The following sample contained an allowable number of surrogate

Job ID: 480-178044-1 (Continued)

Laboratory: Eurofins TestAmerica, Buffalo (Continued)

compounds outside limits: B-9-11112020-0.5-1.0 (480-178044-7). These results have been reported and qualified.

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

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

General Chemistry
Method 9012B: The laboratory control sample (LCS) associated with preparation batch 480-560274 and analytical batch 480-560423 was outside acceptance criteria and is suspected to be bad. Re-extraction and/or re-analysis could not be performed; therefore, the data have been reported. The batch matrix spike/matrix spike duplicate (MS/MSD) was within acceptance limits and may be used to evaluate matrix performance.

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

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

Detection Summary

Client: Parsons Corporation
Project/Site: Honeywell - Tonawanda Plastics

Job ID: 480-178044-1

Client Sample ID: B-1-11112020-1.5-2.0 — Lab Sample ID: 480-178044-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzo[a]anthracene	21	J	200	20	ug/Kg	1	☼	8270D	Total/NA
Fluoranthene	23	J	200	21	ug/Kg	1	☼	8270D	Total/NA
Chromium	22.0		0.60	0.24	mg/Kg	1	☼	6010C	Total/NA

Client Sample ID: B-4-11112020-0.8-1.3 — Lab Sample ID: 480-178044-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	0.54	J	6.2	0.30	ug/Kg	1	☼	8260C	Total/NA
Toluene	1.2	J *3	6.2	0.47	ug/Kg	1	☼	8260C	Total/NA
Benzo[a]anthracene	26	J	180	18	ug/Kg	1	☼	8270D	Total/NA
Fluoranthene	58	J	180	19	ug/Kg	1	☼	8270D	Total/NA
Naphthalene	180		180	23	ug/Kg	1	☼	8270D	Total/NA
Phenanthrene	91	J	180	26	ug/Kg	1	☼	8270D	Total/NA
Pyrene	41	J	180	21	ug/Kg	1	☼	8270D	Total/NA
Chromium	6.7		0.55	0.22	mg/Kg	1	☼	6010C	Total/NA

Client Sample ID: B-4-11112020-1.5-2.0 — Lab Sample ID: 480-178044-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	11	J	19	3.3	ug/Kg	1	☼	8260C	Total/NA
Chromium	24.2		0.58	0.23	mg/Kg	1	☼	6010C	Total/NA

Client Sample ID: B-5-11112020-0.6-1.1 — Lab Sample ID: 480-178044-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chromium	26.6		0.57	0.23	mg/Kg	1	☼	6010C	Total/NA

Client Sample ID: B-7-11112020-1.7-2.2 — Lab Sample ID: 480-178044-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	9.6	J	21	3.5	ug/Kg	1	☼	8260C	Total/NA
Benzene	2.0	J	4.1	0.20	ug/Kg	1	☼	8260C	Total/NA
Chromium	23.7		0.56	0.22	mg/Kg	1	☼	6010C	Total/NA

Client Sample ID: B-8-11112020-1.9-2.4 — Lab Sample ID: 480-178044-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chromium	22.8		0.57	0.23	mg/Kg	1	☼	6010C	Total/NA

Client Sample ID: B-9-11112020-0.5-1.0 — Lab Sample ID: 480-178044-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	17000		2400	450	ug/Kg	25	☼	8260C	Total/NA
Ethylbenzene	17000		2400	690	ug/Kg	25	☼	8260C	Total/NA
Toluene	14000		2400	640	ug/Kg	25	☼	8260C	Total/NA
Xylenes, Total	120000		4800	1300	ug/Kg	25	☼	8260C	Total/NA
Benzo[a]anthracene	120	J	1100	110	ug/Kg	5	☼	8270D	Total/NA
Fluoranthene	170	J	1100	120	ug/Kg	5	☼	8270D	Total/NA
Naphthalene	8700		1100	140	ug/Kg	5	☼	8270D	Total/NA
Chromium	20.3		0.67	0.27	mg/Kg	1	☼	6010C	Total/NA
Cyanide, Total	0.69	J	1.1	0.54	mg/Kg	1	☼	9012B	Total/NA

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: Parsons Corporation
Job ID: 480-178044-1
Project/Site: Honeywell - Tonawanda Plastics

Client Sample ID: B-9-11112020-20-25 — Lab Sample ID: 480-178044-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	66000		2400	460	ug/Kg	50	☼	8260C	Total/NA
Ethylbenzene	1500	J	2400	710	ug/Kg	50	☼	8260C	Total/NA
Toluene	83000		2400	650	ug/Kg	50	☼	8260C	Total/NA
Xylenes, Total	9200		4900	1400	ug/Kg	50	☼	8260C	Total/NA
Naphthalene	600		190	25	ug/Kg	1	☼	8270D	Total/NA
Chromium	22.0		0.58	0.23	mg/Kg	1	☼	6010C	Total/NA

Client Sample ID: B-9-11112020-9.5-10.0 — Lab Sample ID: 480-178044-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	86000		2500	480	ug/Kg	50	☼	8260C	Total/NA
Ethylbenzene	1300	J	2500	730	ug/Kg	50	☼	8260C	Total/NA
Toluene	54000		2500	670	ug/Kg	50	☼	8260C	Total/NA
Xylenes, Total	8100		5000	1400	ug/Kg	50	☼	8260C	Total/NA
Benzo[a]anthracene	31	J	200	20	ug/Kg	1	☼	8270D	Total/NA
Benzo[a]pyrene	34	J	200	29	ug/Kg	1	☼	8270D	Total/NA
Benzo[b]fluoranthene	46	J	200	32	ug/Kg	1	☼	8270D	Total/NA
Benzo[k]fluoranthene	26	J	200	26	ug/Kg	1	☼	8270D	Total/NA
Fluoranthene	46	J	200	21	ug/Kg	1	☼	8270D	Total/NA
Naphthalene	950		200	26	ug/Kg	1	☼	8270D	Total/NA
Pyrene	32	J	200	23	ug/Kg	1	☼	8270D	Total/NA
Chromium	23.7		0.60	0.24	mg/Kg	1	☼	6010C	Total/NA

This Detection Summary does not include radiochemical test results.

Client: Parsons Corporation
Job ID: 480-178044-1
Project/Site: Honeywell - Tonawanda Plastics

Client Sample ID: B-1-11112020-1.5-2.0
Lab Sample ID: 480-178044-1
Date Collected: 11/11/20 11:15
Matrix: Solid
Date Received: 11/11/20 17:12
Percent Solids: 85.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	3.9	U	3.9	0.28	ug/Kg	☼	11/12/20 13:30	11/17/20 19:03	1
1,1,2,2-Tetrachloroethane	3.9	U	3.9	0.63	ug/Kg	☼	11/12/20 13:30	11/17/20 19:03	1
1,1,2-Trichloro-1,2,2-trifluoroethane	3.9	U	3.9	0.89	ug/Kg	☼	11/12/20 13:30	11/17/20 19:03	1
1,1,2-Trichloroethane	3.9	U	3.9	0.51	ug/Kg	☼	11/12/20 13:30	11/17/20 19:03	1
1,1-Dichloroethane	3.9	U	3.9	0.48	ug/Kg	☼	11/12/20 13:30	11/17/20 19:03	1
1,1-Dichloroethene	3.9	U	3.9	0.48	ug/Kg	☼	11/12/20 13:30	11/17/20 19:03	1
1,2,4-Trichlorobenzene	3.9	U	3.9	0.24	ug/Kg	☼	11/12/20 13:30	11/17/20 19:03	1
1,2-Dibromo-3-Chloropropane	3.9	U	3.9	2.0	ug/Kg	☼	11/12/20 13:30	11/17/20 19:03	1
1,2-Dibromoethane	3.9	U	3.9	0.50	ug/Kg	☼	11/12/20 13:30	11/17/20 19:03	1
1,2-Dichlorobenzene	3.9	U	3.9	0.31	ug/Kg	☼	11/12/20 13:30	11/17/20 19:03	1
1,2-Dichloroethane	3.9	U	3.9	0.20	ug/Kg	☼	11/12/20 13:30	11/17/20 19:03	1
1,2-Dichloropropane	3.9	U	3.9	2.0	ug/Kg	☼	11/12/20 13:30	11/17/20 19:03	1
1,3-Dichlorobenzene	3.9	U	3.9	0.20	ug/Kg	☼	11/12/20 13:30	11/17/20 19:03	1
1,4-Dichlorobenzene	3.9	U	3.9	0.55	ug/Kg	☼	11/12/20 13:30	11/17/20 19:03	1
2-Butanone (MEK)	20	U	20	1.4	ug/Kg	☼	11/12/20 13:30	11/17/20 19:03	1
2-Hexanone	20	U	20	2.0	ug/Kg	☼	11/12/20 13:30	11/17/20 19:03	1
4-Methyl-2-pentanone (MIBK)	20	U	20	1.3	ug/Kg	☼	11/12/20 13:30	11/17/20 19:03	1
Acetone	20	U	20	3.3	ug/Kg	☼	11/12/20 13:30	11/17/20 19:03	1
Benzene	3.9	U	3.9	0.19	ug/Kg	☼	11/12/20 13:30	11/17/20 19:03	1
Bromodichloromethane	3.9	U	3.9	0.52	ug/Kg	☼	11/12/20 13:30	11/17/20 19:03	1
Bromoform	3.9	U	3.9	2.0	ug/Kg	☼	11/12/20 13:30	11/17/20 19:03	1
Bromomethane	3.9	U	3.9	0.35	ug/Kg	☼	11/12/20 13:30	11/17/20 19:03	1
Carbon disulfide	3.9	U	3.9	2.0	ug/Kg	☼	11/12/20 13:30	11/17/20 19:03	1
Carbon tetrachloride	3.9	U	3.9	0.38	ug/Kg	☼	11/12/20 13:30	11/17/20 19:03	1
Chlorobenzene	3.9	U	3.9	0.52	ug/Kg	☼	11/12/20 13:30	11/17/20 19:03	1
Chloroethane	3.9	U	3.9	0.88	ug/Kg	☼	11/12/20 13:30	11/17/20 19:03	1
Chloroform	3.9	U	3.9	0.24	ug/Kg	☼	11/12/20 13:30	11/17/20 19:03	1
Chloromethane	3.9	U	3.9	0.24	ug/Kg	☼	11/12/20 13:30	11/17/20 19:03	1
cis-1,2-Dichloroethene	3.9	U	3.9	0.50	ug/Kg	☼	11/12/20 13:30	11/17/20 19:03	1
cis-1,3-Dichloropropene	3.9	U	3.9	0.56	ug/Kg	☼	11/12/20 13:30	11/17/20 19:03	1
Cyclohexane	3.9	U	3.9	0.55	ug/Kg	☼	11/12/20 13:30	11/17/20 19:03	1
Dibromochloromethane	3.9	U	3.9	0.50	ug/Kg	☼	11/12/20 13:30	11/17/20 19:03	1
Dichlorodifluoromethane	3.9	U	3.9	0.32	ug/Kg	☼	11/12/20 13:30	11/17/20 19:03	1
Ethylbenzene	3.9	U	3.9	0.27	ug/Kg	☼	11/12/20 13:30	11/17/20 19:03	1
Isopropylbenzene	3.9	U	3.9	0.59	ug/Kg	☼	11/12/20 13:30	11/17/20 19:03	1
Methyl acetate	20	U	20	2.4	ug/Kg	☼	11/12/20 13:30	11/17/20 19:03	1
Methyl tert-butyl ether	3.9	U	3.9	0.38	ug/Kg	☼	11/12/20 13:30	11/17/20 19:03	1
Methylcyclohexane	3.9	U	3.9	0.59	ug/Kg	☼	11/12/20 13:30	11/17/20 19:03	1
Methylene Chloride	3.9	U	3.9	1.8	ug/Kg	☼	11/12/20 13:30	11/17/20 19:03	1
Styrene	3.9	U	3.9	0.20	ug/Kg	☼	11/12/20 13:30	11/17/20 19:03	1
Tetrachloroethene	3.9	U	3.9	0.52	ug/Kg	☼	11/12/20 13:30	11/17/20 19:03	1
Toluene	3.9	U	3.9	0.30	ug/Kg	☼	11/12/20 13:30	11/17/20 19:03	1
trans-1,2-Dichloroethene	3.9	U	3.9	0.40	ug/Kg	☼	11/12/20 13:30	11/17/20 19:03	1
trans-1,3-Dichloropropene	3.9	U	3.9	1.7	ug/Kg	☼	11/12/20 13:30	11/17/20 19:03	1
Trichloroethene	3.9	U	3.9	0.86	ug/Kg	☼	11/12/20 13:30	11/17/20 19:03	1
Trichlorofluoromethane	3.9	U	3.9	0.37	ug/Kg	☼	11/12/20 13:30	11/17/20 19:03	1
Vinyl chloride	3.9	U	3.9	0.48	ug/Kg	☼	11/12/20 13:30	11/17/20 19:03	1
Xylenes, Total	7.8	U	7.8	0.66	ug/Kg	☼	11/12/20 13:30	11/17/20 19:03	1

Client: Parsons Corporation
Project/Site: Honeywell - Tonawanda Plastics

Job ID: 480-178044-1

Client Sample ID: B-1-11112020-1.5-2.0
Date Collected: 11/11/20 11:15
Date Received: 11/11/20 17:12

Lab Sample ID: 480-178044-1
Matrix: Solid
Percent Solids: 85.5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*116*		*64 - 126*	*11/12/20 13:30*	*11/17/20 19:03*	*1*
4-Bromofluorobenzene (Surr)	*97*		*72 - 126*	*11/12/20 13:30*	*11/17/20 19:03*	*1*
Dibromofluoromethane (Surr)	*106*		*60 - 140*	*11/12/20 13:30*	*11/17/20 19:03*	*1*
Toluene-d8 (Surr)	*97*		*71 - 125*	*11/12/20 13:30*	*11/17/20 19:03*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	200	U	200	29	ug/Kg	☼	11/17/20 15:12	11/19/20 07:23	1
Acenaphthylene	200	U	200	26	ug/Kg	☼	11/17/20 15:12	11/19/20 07:23	1
Anthracene	200	U	200	49	ug/Kg	☼	11/17/20 15:12	11/19/20 07:23	1
Benzo[a]anthracene	**21**	**J**	200	20	ug/Kg	☼	11/17/20 15:12	11/19/20 07:23	1
Benzo[a]pyrene	200	U	200	29	ug/Kg	☼	11/17/20 15:12	11/19/20 07:23	1
Benzo[b]fluoranthene	200	U	200	31	ug/Kg	☼	11/17/20 15:12	11/19/20 07:23	1
Benzo[g,h,i]perylene	200	U	200	21	ug/Kg	☼	11/17/20 15:12	11/19/20 07:23	1
Benzo[k]fluoranthene	200	U	200	26	ug/Kg	☼	11/17/20 15:12	11/19/20 07:23	1
Chrysene	200	U	200	44	ug/Kg	☼	11/17/20 15:12	11/19/20 07:23	1
Dibenz(a,h)anthracene	200	U	200	35	ug/Kg	☼	11/17/20 15:12	11/19/20 07:23	1
Fluoranthene	**23**	**J**	200	21	ug/Kg	☼	11/17/20 15:12	11/19/20 07:23	1
Fluorene	200	U	200	23	ug/Kg	☼	11/17/20 15:12	11/19/20 07:23	1
Indeno[1,2,3-cd]pyrene	200	U	200	24	ug/Kg	☼	11/17/20 15:12	11/19/20 07:23	1
Naphthalene	200	U	200	26	ug/Kg	☼	11/17/20 15:12	11/19/20 07:23	1
Phenanthrene	200	U	200	29	ug/Kg	☼	11/17/20 15:12	11/19/20 07:23	1
Pyrene	200	U	200	23	ug/Kg	☼	11/17/20 15:12	11/19/20 07:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*101*		*60 - 120*	*11/17/20 15:12*	*11/19/20 07:23*	*1*
Nitrobenzene-d5 (Surr)	*76*		*53 - 120*	*11/17/20 15:12*	*11/19/20 07:23*	*1*
p-Terphenyl-d14 (Surr)	*97*		*79 - 130*	*11/17/20 15:12*	*11/19/20 07:23*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	**22.0**		0.60	0.24	mg/Kg	☼	11/23/20 18:12	11/24/20 13:52	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	1.2	U *	1.2	0.56	mg/Kg	☼	11/20/20 21:56	11/22/20 15:52	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**14.5**		0.1	0.1	%			11/19/20 16:57	1
Percent Solids	**85.5**		0.1	0.1	%			11/19/20 16:57	1

Client: Parsons Corporation
Project/Site: Honeywell - Tonawanda Plastics

Job ID: 480-178044-1

Client Sample ID: B-4-11112020-0.8-1.3
Date Collected: 11/11/20 12:10
Date Received: 11/11/20 17:12

Lab Sample ID: 480-178044-2
Matrix: Solid
Percent Solids: 96.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	6.2	U	6.2	0.45	ug/Kg	☼	11/12/20 13:30	11/19/20 00:32	1
1,1,2,2-Tetrachloroethane	6.2	U *3	6.2	1.0	ug/Kg	☼	11/12/20 13:30	11/19/20 00:32	1
1,1,2-Trichloro-1,2,2-trifluoroethane	6.2	U	6.2	1.4	ug/Kg	☼	11/12/20 13:30	11/19/20 00:32	1
1,1,2-Trichloroethane	6.2	U *3	6.2	0.80	ug/Kg	☼	11/12/20 13:30	11/19/20 00:32	1
1,1-Dichloroethane	6.2	U	6.2	0.75	ug/Kg	☼	11/12/20 13:30	11/19/20 00:32	1
1,1-Dichloroethene	6.2	U	6.2	0.76	ug/Kg	☼	11/12/20 13:30	11/19/20 00:32	1
1,2,4-Trichlorobenzene	6.2	U *3	6.2	0.38	ug/Kg	☼	11/12/20 13:30	11/19/20 00:32	1
1,2-Dibromo-3-Chloropropane	6.2	U *3	6.2	3.1	ug/Kg	☼	11/12/20 13:30	11/19/20 00:32	1
1,2-Dibromoethane	6.2	U *3	6.2	0.79	ug/Kg	☼	11/12/20 13:30	11/19/20 00:32	1
1,2-Dichlorobenzene	6.2	U *3	6.2	0.48	ug/Kg	☼	11/12/20 13:30	11/19/20 00:32	1
1,2-Dichloroethane	6.2	U	6.2	0.31	ug/Kg	☼	11/12/20 13:30	11/19/20 00:32	1
1,2-Dichloropropane	6.2	U	6.2	3.1	ug/Kg	☼	11/12/20 13:30	11/19/20 00:32	1
1,3-Dichlorobenzene	6.2	U *3	6.2	0.32	ug/Kg	☼	11/12/20 13:30	11/19/20 00:32	1
1,4-Dichlorobenzene	6.2	U *3	6.2	0.87	ug/Kg	☼	11/12/20 13:30	11/19/20 00:32	1
2-Butanone (MEK)	31	U	31	2.3	ug/Kg	☼	11/12/20 13:30	11/19/20 00:32	1
2-Hexanone	31	U *3	31	3.1	ug/Kg	☼	11/12/20 13:30	11/19/20 00:32	1
4-Methyl-2-pentanone (MIBK)	31	U *3	31	2.0	ug/Kg	☼	11/12/20 13:30	11/19/20 00:32	1
Acetone	31	U	31	5.2	ug/Kg	☼	11/12/20 13:30	11/19/20 00:32	1
Benzene	**0.54**	**J**	6.2	0.30	ug/Kg	☼	11/12/20 13:30	11/19/20 00:32	1
Bromodichloromethane	6.2	U	6.2	0.83	ug/Kg	☼	11/12/20 13:30	11/19/20 00:32	1
Bromoform	6.2	U *3	6.2	3.1	ug/Kg	☼	11/12/20 13:30	11/19/20 00:32	1
Bromomethane	6.2	U	6.2	0.56	ug/Kg	☼	11/12/20 13:30	11/19/20 00:32	1
Carbon disulfide	6.2	U	6.2	3.1	ug/Kg	☼	11/12/20 13:30	11/19/20 00:32	1
Carbon tetrachloride	6.2	U	6.2	0.60	ug/Kg	☼	11/12/20 13:30	11/19/20 00:32	1
Chlorobenzene	6.2	U *3	6.2	0.82	ug/Kg	☼	11/12/20 13:30	11/19/20 00:32	1
Chloroethane	6.2	U	6.2	1.4	ug/Kg	☼	11/12/20 13:30	11/19/20 00:32	1
Chloroform	6.2	U	6.2	0.38	ug/Kg	☼	11/12/20 13:30	11/19/20 00:32	1
Chloromethane	6.2	U	6.2	0.37	ug/Kg	☼	11/12/20 13:30	11/19/20 00:32	1
cis-1,2-Dichloroethene	6.2	U	6.2	0.79	ug/Kg	☼	11/12/20 13:30	11/19/20 00:32	1
cis-1,3-Dichloropropene	6.2	U	6.2	0.89	ug/Kg	☼	11/12/20 13:30	11/19/20 00:32	1
Cyclohexane	6.2	U	6.2	0.87	ug/Kg	☼	11/12/20 13:30	11/19/20 00:32	1
Dibromochloromethane	6.2	U *3	6.2	0.79	ug/Kg	☼	11/12/20 13:30	11/19/20 00:32	1
Dichlorodifluoromethane	6.2	U	6.2	0.51	ug/Kg	☼	11/12/20 13:30	11/19/20 00:32	1
Ethylbenzene	6.2	U *3	6.2	0.43	ug/Kg	☼	11/12/20 13:30	11/19/20 00:32	1
Isopropylbenzene	6.2	U *3	6.2	0.93	ug/Kg	☼	11/12/20 13:30	11/19/20 00:32	1
Methyl acetate	31	U	31	3.7	ug/Kg	☼	11/12/20 13:30	11/19/20 00:32	1
Methyl tert-butyl ether	6.2	U	6.2	0.61	ug/Kg	☼	11/12/20 13:30	11/19/20 00:32	1
Methylcyclohexane	6.2	U	6.2	0.94	ug/Kg	☼	11/12/20 13:30	11/19/20 00:32	1
Methylene Chloride	6.2	U	6.2	2.8	ug/Kg	☼	11/12/20 13:30	11/19/20 00:32	1
Styrene	6.2	U *3	6.2	0.31	ug/Kg	☼	11/12/20 13:30	11/19/20 00:32	1
Tetrachloroethene	6.2	U *3	6.2	0.83	ug/Kg	☼	11/12/20 13:30	11/19/20 00:32	1
Toluene	**1.2**	**J *3**	6.2	0.47	ug/Kg	☼	11/12/20 13:30	11/19/20 00:32	1
trans-1,2-Dichloroethene	6.2	U	6.2	0.64	ug/Kg	☼	11/12/20 13:30	11/19/20 00:32	1
trans-1,3-Dichloropropene	6.2	U *3	6.2	2.7	ug/Kg	☼	11/12/20 13:30	11/19/20 00:32	1
Trichloroethene	6.2	U	6.2	1.4	ug/Kg	☼	11/12/20 13:30	11/19/20 00:32	1
Trichlorofluoromethane	6.2	U	6.2	0.59	ug/Kg	☼	11/12/20 13:30	11/19/20 00:32	1
Vinyl chloride	6.2	U	6.2	0.75	ug/Kg	☼	11/12/20 13:30	11/19/20 00:32	1
Xylenes, Total	12	U	12	1.0	ug/Kg	☼	11/12/20 13:30	11/19/20 00:32	1

Client: Parsons Corporation
Project/Site: Honeywell - Tonawanda Plastics

Job ID: 480-178044-1

Client Sample ID: B-4-11112020-0.8-1.3
Date Collected: 11/11/20 12:10
Date Received: 11/11/20 17:12

Lab Sample ID: 480-178044-2
Matrix: Solid
Percent Solids: 96.1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	138	X	64 - 126	11/12/20 13:30	11/19/20 00:32	1
4-Bromofluorobenzene (Surr)	34	*3 X	72 - 126	11/12/20 13:30	11/19/20 00:32	1
Dibromofluoromethane (Surr)	163	X	60 - 140	11/12/20 13:30	11/19/20 00:32	1
Toluene-d8 (Surr)	162	*3 X	71 - 125	11/12/20 13:30	11/19/20 00:32	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	180	U	180	26	ug/Kg	☼	11/17/20 15:12	11/19/20 12:24	1
Acenaphthylene	180	U	180	23	ug/Kg	☼	11/17/20 15:12	11/19/20 12:24	1
Anthracene	180	U	180	43	ug/Kg	☼	11/17/20 15:12	11/19/20 12:24	1
Benzo[a]anthracene	**26**	**J**	180	18	ug/Kg	☼	11/17/20 15:12	11/19/20 12:24	1
Benzo[a]pyrene	180	U	180	26	ug/Kg	☼	11/17/20 15:12	11/19/20 12:24	1
Benzo[b]fluoranthene	180	U	180	28	ug/Kg	☼	11/17/20 15:12	11/19/20 12:24	1
Benzo[g,h,i]perylene	180	U	180	19	ug/Kg	☼	11/17/20 15:12	11/19/20 12:24	1
Benzo[k]fluoranthene	180	U	180	23	ug/Kg	☼	11/17/20 15:12	11/19/20 12:24	1
Chrysene	180	U	180	39	ug/Kg	☼	11/17/20 15:12	11/19/20 12:24	1
Dibenz(a,h)anthracene	180	U	180	31	ug/Kg	☼	11/17/20 15:12	11/19/20 12:24	1
Fluoranthene	**58**	**J**	180	19	ug/Kg	☼	11/17/20 15:12	11/19/20 12:24	1
Fluorene	180	U	180	21	ug/Kg	☼	11/17/20 15:12	11/19/20 12:24	1
Indeno[1,2,3-cd]pyrene	180	U	180	22	ug/Kg	☼	11/17/20 15:12	11/19/20 12:24	1
Naphthalene	**180**		180	23	ug/Kg	☼	11/17/20 15:12	11/19/20 12:24	1
Phenanthrene	**91**	**J**	180	26	ug/Kg	☼	11/17/20 15:12	11/19/20 12:24	1
Pyrene	**41**	**J**	180	21	ug/Kg	☼	11/17/20 15:12	11/19/20 12:24	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	95		60 - 120	11/17/20 15:12	11/19/20 12:24	1
Nitrobenzene-d5 (Surr)	75		53 - 120	11/17/20 15:12	11/19/20 12:24	1
p-Terphenyl-d14 (Surr)	80		79 - 130	11/17/20 15:12	11/19/20 12:24	1

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	**6.7**		0.55	0.22	mg/Kg	☼	11/23/20 18:12	11/24/20 13:56	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	1.0	U *	1.0	0.50	mg/Kg	☼	11/20/20 21:56	11/22/20 15:53	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**3.9**		0.1	0.1	%			11/13/20 09:34	1
Percent Solids	**96.1**		0.1	0.1	%			11/13/20 09:34	1

Client: Parsons Corporation
Job ID: 480-178044-1
Project/Site: Honeywell - Tonawanda Plastics

Client Sample ID: B-4-11112020-1.5-2.0
Lab Sample ID: 480-178044-3
Date Collected: 11/11/20 12:20
Matrix: Solid
Date Received: 11/11/20 17:12
Percent Solids: 85.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	3.9	U	3.9	0.28	ug/Kg	☼	11/12/20 13:30	11/17/20 19:52	1
1,1,2,2-Tetrachloroethane	3.9	U	3.9	0.63	ug/Kg	☼	11/12/20 13:30	11/17/20 19:52	1
1,1,2-Trichloro-1,2,2-trifluoroethane	3.9	U	3.9	0.89	ug/Kg	☼	11/12/20 13:30	11/17/20 19:52	1
1,1,2-Trichloroethane	3.9	U	3.9	0.51	ug/Kg	☼	11/12/20 13:30	11/17/20 19:52	1
1,1-Dichloroethane	3.9	U	3.9	0.48	ug/Kg	☼	11/12/20 13:30	11/17/20 19:52	1
1,1-Dichloroethene	3.9	U	3.9	0.48	ug/Kg	☼	11/12/20 13:30	11/17/20 19:52	1
1,2,4-Trichlorobenzene	3.9	U	3.9	0.24	ug/Kg	☼	11/12/20 13:30	11/17/20 19:52	1
1,2-Dibromo-3-Chloropropane	3.9	U	3.9	1.9	ug/Kg	☼	11/12/20 13:30	11/17/20 19:52	1
1,2-Dibromoethane	3.9	U	3.9	0.50	ug/Kg	☼	11/12/20 13:30	11/17/20 19:52	1
1,2-Dichlorobenzene	3.9	U	3.9	0.30	ug/Kg	☼	11/12/20 13:30	11/17/20 19:52	1
1,2-Dichloroethane	3.9	U	3.9	0.20	ug/Kg	☼	11/12/20 13:30	11/17/20 19:52	1
1,2-Dichloropropane	3.9	U	3.9	1.9	ug/Kg	☼	11/12/20 13:30	11/17/20 19:52	1
1,3-Dichlorobenzene	3.9	U	3.9	0.20	ug/Kg	☼	11/12/20 13:30	11/17/20 19:52	1
1,4-Dichlorobenzene	3.9	U	3.9	0.55	ug/Kg	☼	11/12/20 13:30	11/17/20 19:52	1
2-Butanone (MEK)	19	U	19	1.4	ug/Kg	☼	11/12/20 13:30	11/17/20 19:52	1
2-Hexanone	19	U	19	1.9	ug/Kg	☼	11/12/20 13:30	11/17/20 19:52	1
4-Methyl-2-pentanone (MIBK)	19	U	19	1.3	ug/Kg	☼	11/12/20 13:30	11/17/20 19:52	1
Acetone	**11**	**J**	19	3.3	ug/Kg	☼	11/12/20 13:30	11/17/20 19:52	1
Benzene	3.9	U	3.9	0.19	ug/Kg	☼	11/12/20 13:30	11/17/20 19:52	1
Bromodichloromethane	3.9	U	3.9	0.52	ug/Kg	☼	11/12/20 13:30	11/17/20 19:52	1
Bromoform	3.9	U	3.9	1.9	ug/Kg	☼	11/12/20 13:30	11/17/20 19:52	1
Bromomethane	3.9	U	3.9	0.35	ug/Kg	☼	11/12/20 13:30	11/17/20 19:52	1
Carbon disulfide	3.9	U	3.9	1.9	ug/Kg	☼	11/12/20 13:30	11/17/20 19:52	1
Carbon tetrachloride	3.9	U	3.9	0.38	ug/Kg	☼	11/12/20 13:30	11/17/20 19:52	1
Chlorobenzene	3.9	U	3.9	0.51	ug/Kg	☼	11/12/20 13:30	11/17/20 19:52	1
Chloroethane	3.9	U	3.9	0.88	ug/Kg	☼	11/12/20 13:30	11/17/20 19:52	1
Chloroform	3.9	U	3.9	0.24	ug/Kg	☼	11/12/20 13:30	11/17/20 19:52	1
Chloromethane	3.9	U	3.9	0.24	ug/Kg	☼	11/12/20 13:30	11/17/20 19:52	1
cis-1,2-Dichloroethene	3.9	U	3.9	0.50	ug/Kg	☼	11/12/20 13:30	11/17/20 19:52	1
cis-1,3-Dichloropropene	3.9	U	3.9	0.56	ug/Kg	☼	11/12/20 13:30	11/17/20 19:52	1
Cyclohexane	3.9	U	3.9	0.55	ug/Kg	☼	11/12/20 13:30	11/17/20 19:52	1
Dibromochloromethane	3.9	U	3.9	0.50	ug/Kg	☼	11/12/20 13:30	11/17/20 19:52	1
Dichlorodifluoromethane	3.9	U	3.9	0.32	ug/Kg	☼	11/12/20 13:30	11/17/20 19:52	1
Ethylbenzene	3.9	U	3.9	0.27	ug/Kg	☼	11/12/20 13:30	11/17/20 19:52	1
Isopropylbenzene	3.9	U	3.9	0.59	ug/Kg	☼	11/12/20 13:30	11/17/20 19:52	1
Methyl acetate	19	U	19	2.4	ug/Kg	☼	11/12/20 13:30	11/17/20 19:52	1
Methyl tert-butyl ether	3.9	U	3.9	0.38	ug/Kg	☼	11/12/20 13:30	11/17/20 19:52	1
Methylcyclohexane	3.9	U	3.9	0.59	ug/Kg	☼	11/12/20 13:30	11/17/20 19:52	1
Methylene Chloride	3.9	U	3.9	1.8	ug/Kg	☼	11/12/20 13:30	11/17/20 19:52	1
Styrene	3.9	U	3.9	0.19	ug/Kg	☼	11/12/20 13:30	11/17/20 19:52	1
Tetrachloroethene	3.9	U	3.9	0.52	ug/Kg	☼	11/12/20 13:30	11/17/20 19:52	1
Toluene	3.9	U	3.9	0.29	ug/Kg	☼	11/12/20 13:30	11/17/20 19:52	1
trans-1,2-Dichloroethene	3.9	U	3.9	0.40	ug/Kg	☼	11/12/20 13:30	11/17/20 19:52	1
trans-1,3-Dichloropropene	3.9	U	3.9	1.7	ug/Kg	☼	11/12/20 13:30	11/17/20 19:52	1
Trichloroethene	3.9	U	3.9	0.86	ug/Kg	☼	11/12/20 13:30	11/17/20 19:52	1
Trichlorofluoromethane	3.9	U	3.9	0.37	ug/Kg	☼	11/12/20 13:30	11/17/20 19:52	1
Vinyl chloride	3.9	U	3.9	0.48	ug/Kg	☼	11/12/20 13:30	11/17/20 19:52	1
Xylenes, Total	7.8	U	7.8	0.65	ug/Kg	☼	11/12/20 13:30	11/17/20 19:52	1

Client: Parsons Corporation
Project/Site: Honeywell - Tonawanda Plastics

Job ID: 480-178044-1

Client Sample ID: B-4-11112020-1.5-2.0
Date Collected: 11/11/20 12:20
Date Received: 11/11/20 17:12

Lab Sample ID: 480-178044-3
Matrix: Solid
Percent Solids: 85.7

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*107*		*64 - 126*	*11/12/20 13:30*	*11/17/20 19:52*	*1*
4-Bromofluorobenzene (Surr)	*100*		*72 - 126*	*11/12/20 13:30*	*11/17/20 19:52*	*1*
Dibromofluoromethane (Surr)	*105*		*60 - 140*	*11/12/20 13:30*	*11/17/20 19:52*	*1*
Toluene-d8 (Surr)	*100*		*71 - 125*	*11/12/20 13:30*	*11/17/20 19:52*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	200	U	200	29	ug/Kg	☼	11/17/20 15:12	11/19/20 12:49	1
Acenaphthylene	200	U	200	25	ug/Kg	☼	11/17/20 15:12	11/19/20 12:49	1
Anthracene	200	U	200	48	ug/Kg	☼	11/17/20 15:12	11/19/20 12:49	1
Benzo[a]anthracene	200	U	200	20	ug/Kg	☼	11/17/20 15:12	11/19/20 12:49	1
Benzo[a]pyrene	200	U	200	29	ug/Kg	☼	11/17/20 15:12	11/19/20 12:49	1
Benzo[b]fluoranthene	200	U	200	31	ug/Kg	☼	11/17/20 15:12	11/19/20 12:49	1
Benzo[g,h,i]perylene	200	U	200	21	ug/Kg	☼	11/17/20 15:12	11/19/20 12:49	1
Benzo[k]fluoranthene	200	U	200	25	ug/Kg	☼	11/17/20 15:12	11/19/20 12:49	1
Chrysene	200	U	200	44	ug/Kg	☼	11/17/20 15:12	11/19/20 12:49	1
Dibenz(a,h)anthracene	200	U	200	35	ug/Kg	☼	11/17/20 15:12	11/19/20 12:49	1
Fluoranthene	200	U	200	21	ug/Kg	☼	11/17/20 15:12	11/19/20 12:49	1
Fluorene	200	U	200	23	ug/Kg	☼	11/17/20 15:12	11/19/20 12:49	1
Indeno[1,2,3-cd]pyrene	200	U	200	24	ug/Kg	☼	11/17/20 15:12	11/19/20 12:49	1
Naphthalene	200	U	200	25	ug/Kg	☼	11/17/20 15:12	11/19/20 12:49	1
Phenanthrene	200	U	200	29	ug/Kg	☼	11/17/20 15:12	11/19/20 12:49	1
Pyrene	200	U	200	23	ug/Kg	☼	11/17/20 15:12	11/19/20 12:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*89*		*60 - 120*	*11/17/20 15:12*	*11/19/20 12:49*	*1*
Nitrobenzene-d5 (Surr)	*69*		*53 - 120*	*11/17/20 15:12*	*11/19/20 12:49*	*1*
p-Terphenyl-d14 (Surr)	*83*		*79 - 130*	*11/17/20 15:12*	*11/19/20 12:49*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	**24.2**		0.58	0.23	mg/Kg	☼	11/23/20 18:12	11/24/20 14:00	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	1.1	U *	1.1	0.54	mg/Kg	☼	11/20/20 21:56	11/22/20 15:55	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**14.3**		0.1	0.1	%			11/13/20 09:34	1
Percent Solids	**85.7**		0.1	0.1	%			11/13/20 09:34	1

Client: Parsons Corporation
Job ID: 480-178044-1
Project/Site: Honeywell - Tonawanda Plastics

Client Sample ID: B-5-11112020-0.6-1.1
Lab Sample ID: 480-178044-4
Date Collected: 11/11/20 13:20
Matrix: Solid
Date Received: 11/11/20 17:12
Percent Solids: 86.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	4.0	U	4.0	0.29	ug/Kg	☼	11/12/20 13:30	11/17/20 20:16	1
1,1,2,2-Tetrachloroethane	4.0	U	4.0	0.64	ug/Kg	☼	11/12/20 13:30	11/17/20 20:16	1
1,1,2-Trichloro-1,2,2-trifluoroethane	4.0	U	4.0	0.90	ug/Kg	☼	11/12/20 13:30	11/17/20 20:16	1
1,1,2-Trichloroethane	4.0	U	4.0	0.52	ug/Kg	☼	11/12/20 13:30	11/17/20 20:16	1
1,1-Dichloroethane	4.0	U	4.0	0.48	ug/Kg	☼	11/12/20 13:30	11/17/20 20:16	1
1,1-Dichloroethene	4.0	U	4.0	0.49	ug/Kg	☼	11/12/20 13:30	11/17/20 20:16	1
1,2,4-Trichlorobenzene	4.0	U	4.0	0.24	ug/Kg	☼	11/12/20 13:30	11/17/20 20:16	1
1,2-Dibromo-3-Chloropropane	4.0	U	4.0	2.0	ug/Kg	☼	11/12/20 13:30	11/17/20 20:16	1
1,2-Dibromoethane	4.0	U	4.0	0.51	ug/Kg	☼	11/12/20 13:30	11/17/20 20:16	1
1,2-Dichlorobenzene	4.0	U	4.0	0.31	ug/Kg	☼	11/12/20 13:30	11/17/20 20:16	1
1,2-Dichloroethane	4.0	U	4.0	0.20	ug/Kg	☼	11/12/20 13:30	11/17/20 20:16	1
1,2-Dichloropropane	4.0	U	4.0	2.0	ug/Kg	☼	11/12/20 13:30	11/17/20 20:16	1
1,3-Dichlorobenzene	4.0	U	4.0	0.20	ug/Kg	☼	11/12/20 13:30	11/17/20 20:16	1
1,4-Dichlorobenzene	4.0	U	4.0	0.56	ug/Kg	☼	11/12/20 13:30	11/17/20 20:16	1
2-Butanone (MEK)	20	U	20	1.5	ug/Kg	☼	11/12/20 13:30	11/17/20 20:16	1
2-Hexanone	20	U	20	2.0	ug/Kg	☼	11/12/20 13:30	11/17/20 20:16	1
4-Methyl-2-pentanone (MIBK)	20	U	20	1.3	ug/Kg	☼	11/12/20 13:30	11/17/20 20:16	1
Acetone	20	U	20	3.3	ug/Kg	☼	11/12/20 13:30	11/17/20 20:16	1
Benzene	4.0	U	4.0	0.19	ug/Kg	☼	11/12/20 13:30	11/17/20 20:16	1
Bromodichloromethane	4.0	U	4.0	0.53	ug/Kg	☼	11/12/20 13:30	11/17/20 20:16	1
Bromoform	4.0	U	4.0	2.0	ug/Kg	☼	11/12/20 13:30	11/17/20 20:16	1
Bromomethane	4.0	U	4.0	0.36	ug/Kg	☼	11/12/20 13:30	11/17/20 20:16	1
Carbon disulfide	4.0	U	4.0	2.0	ug/Kg	☼	11/12/20 13:30	11/17/20 20:16	1
Carbon tetrachloride	4.0	U	4.0	0.38	ug/Kg	☼	11/12/20 13:30	11/17/20 20:16	1
Chlorobenzene	4.0	U	4.0	0.52	ug/Kg	☼	11/12/20 13:30	11/17/20 20:16	1
Chloroethane	4.0	U	4.0	0.90	ug/Kg	☼	11/12/20 13:30	11/17/20 20:16	1
Chloroform	4.0	U	4.0	0.25	ug/Kg	☼	11/12/20 13:30	11/17/20 20:16	1
Chloromethane	4.0	U	4.0	0.24	ug/Kg	☼	11/12/20 13:30	11/17/20 20:16	1
cis-1,2-Dichloroethene	4.0	U	4.0	0.51	ug/Kg	☼	11/12/20 13:30	11/17/20 20:16	1
cis-1,3-Dichloropropene	4.0	U	4.0	0.57	ug/Kg	☼	11/12/20 13:30	11/17/20 20:16	1
Cyclohexane	4.0	U	4.0	0.56	ug/Kg	☼	11/12/20 13:30	11/17/20 20:16	1
Dibromochloromethane	4.0	U	4.0	0.51	ug/Kg	☼	11/12/20 13:30	11/17/20 20:16	1
Dichlorodifluoromethane	4.0	U	4.0	0.33	ug/Kg	☼	11/12/20 13:30	11/17/20 20:16	1
Ethylbenzene	4.0	U	4.0	0.27	ug/Kg	☼	11/12/20 13:30	11/17/20 20:16	1
Isopropylbenzene	4.0	U	4.0	0.60	ug/Kg	☼	11/12/20 13:30	11/17/20 20:16	1
Methyl acetate	20	U	20	2.4	ug/Kg	☼	11/12/20 13:30	11/17/20 20:16	1
Methyl tert-butyl ether	4.0	U	4.0	0.39	ug/Kg	☼	11/12/20 13:30	11/17/20 20:16	1
Methylcyclohexane	4.0	U	4.0	0.60	ug/Kg	☼	11/12/20 13:30	11/17/20 20:16	1
Methylene Chloride	4.0	U	4.0	1.8	ug/Kg	☼	11/12/20 13:30	11/17/20 20:16	1
Styrene	4.0	U	4.0	0.20	ug/Kg	☼	11/12/20 13:30	11/17/20 20:16	1
Tetrachloroethene	4.0	U	4.0	0.53	ug/Kg	☼	11/12/20 13:30	11/17/20 20:16	1
Toluene	4.0	U	4.0	0.30	ug/Kg	☼	11/12/20 13:30	11/17/20 20:16	1
trans-1,2-Dichloroethene	4.0	U	4.0	0.41	ug/Kg	☼	11/12/20 13:30	11/17/20 20:16	1
trans-1,3-Dichloropropene	4.0	U	4.0	1.7	ug/Kg	☼	11/12/20 13:30	11/17/20 20:16	1
Trichloroethene	4.0	U	4.0	0.87	ug/Kg	☼	11/12/20 13:30	11/17/20 20:16	1
Trichlorofluoromethane	4.0	U	4.0	0.38	ug/Kg	☼	11/12/20 13:30	11/17/20 20:16	1
Vinyl chloride	4.0	U	4.0	0.48	ug/Kg	☼	11/12/20 13:30	11/17/20 20:16	1
Xylenes, Total	7.9	U	7.9	0.67	ug/Kg	☼	11/12/20 13:30	11/17/20 20:16	1

Client: Parsons Corporation
Project/Site: Honeywell - Tonawanda Plastics

Job ID: 480-178044-1

Client Sample ID: B-5-11112020-0.6-1.1
Date Collected: 11/11/20 13:20
Date Received: 11/11/20 17:12

Lab Sample ID: 480-178044-4
Matrix: Solid
Percent Solids: 86.6

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*107*		*64 - 126*	*11/12/20 13:30*	*11/17/20 20:16*	*1*
4-Bromofluorobenzene (Surr)	*98*		*72 - 126*	*11/12/20 13:30*	*11/17/20 20:16*	*1*
Dibromofluoromethane (Surr)	*103*		*60 - 140*	*11/12/20 13:30*	*11/17/20 20:16*	*1*
Toluene-d8 (Surr)	*97*		*71 - 125*	*11/12/20 13:30*	*11/17/20 20:16*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	200	U	200	29	ug/Kg	☼	11/17/20 15:12	11/19/20 13:14	1
Acenaphthylene	200	U	200	25	ug/Kg	☼	11/17/20 15:12	11/19/20 13:14	1
Anthracene	200	U	200	48	ug/Kg	☼	11/17/20 15:12	11/19/20 13:14	1
Benzo[a]anthracene	200	U	200	20	ug/Kg	☼	11/17/20 15:12	11/19/20 13:14	1
Benzo[a]pyrene	200	U	200	29	ug/Kg	☼	11/17/20 15:12	11/19/20 13:14	1
Benzo[b]fluoranthene	200	U	200	31	ug/Kg	☼	11/17/20 15:12	11/19/20 13:14	1
Benzo[g,h,i]perylene	200	U	200	21	ug/Kg	☼	11/17/20 15:12	11/19/20 13:14	1
Benzo[k]fluoranthene	200	U	200	25	ug/Kg	☼	11/17/20 15:12	11/19/20 13:14	1
Chrysene	200	U	200	44	ug/Kg	☼	11/17/20 15:12	11/19/20 13:14	1
Dibenz(a,h)anthracene	200	U	200	34	ug/Kg	☼	11/17/20 15:12	11/19/20 13:14	1
Fluoranthene	200	U	200	21	ug/Kg	☼	11/17/20 15:12	11/19/20 13:14	1
Fluorene	200	U	200	23	ug/Kg	☼	11/17/20 15:12	11/19/20 13:14	1
Indeno[1,2,3-cd]pyrene	200	U	200	24	ug/Kg	☼	11/17/20 15:12	11/19/20 13:14	1
Naphthalene	200	U	200	25	ug/Kg	☼	11/17/20 15:12	11/19/20 13:14	1
Phenanthrene	200	U	200	29	ug/Kg	☼	11/17/20 15:12	11/19/20 13:14	1
Pyrene	200	U	200	23	ug/Kg	☼	11/17/20 15:12	11/19/20 13:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*91*		*60 - 120*	*11/17/20 15:12*	*11/19/20 13:14*	*1*
Nitrobenzene-d5 (Surr)	*73*		*53 - 120*	*11/17/20 15:12*	*11/19/20 13:14*	*1*
p-Terphenyl-d14 (Surr)	*85*		*79 - 130*	*11/17/20 15:12*	*11/19/20 13:14*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	**26.6**		0.57	0.23	mg/Kg	☼	11/23/20 18:12	11/24/20 14:04	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	1.1	U F1 *	1.1	0.51	mg/Kg	☼	11/20/20 21:56	11/22/20 15:59	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**13.4**		0.1	0.1	%			11/13/20 09:34	1
Percent Solids	**86.6**		0.1	0.1	%			11/13/20 09:34	1

Client: Parsons Corporation
Project/Site: Honeywell - Tonawanda Plastics

Job ID: 480-178044-1

Client Sample ID: B-7-11112020-1.7-2.2
Date Collected: 11/11/20 13:40
Date Received: 11/11/20 17:12

Lab Sample ID: 480-178044-5
Matrix: Solid
Percent Solids: 86.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	4.1	U	4.1	0.30	ug/Kg	☼	11/12/20 13:30	11/17/20 20:41	1
1,1,2,2-Tetrachloroethane	4.1	U	4.1	0.67	ug/Kg	☼	11/12/20 13:30	11/17/20 20:41	1
1,1,2-Trichloro-1,2,2-trifluoroethane	4.1	U	4.1	0.94	ug/Kg	☼	11/12/20 13:30	11/17/20 20:41	1
1,1,2-Trichloroethane	4.1	U	4.1	0.54	ug/Kg	☼	11/12/20 13:30	11/17/20 20:41	1
1,1-Dichloroethane	4.1	U	4.1	0.50	ug/Kg	☼	11/12/20 13:30	11/17/20 20:41	1
1,1-Dichloroethene	4.1	U	4.1	0.51	ug/Kg	☼	11/12/20 13:30	11/17/20 20:41	1
1,2,4-Trichlorobenzene	4.1	U	4.1	0.25	ug/Kg	☼	11/12/20 13:30	11/17/20 20:41	1
1,2-Dibromo-3-Chloropropane	4.1	U	4.1	2.1	ug/Kg	☼	11/12/20 13:30	11/17/20 20:41	1
1,2-Dibromoethane	4.1	U	4.1	0.53	ug/Kg	☼	11/12/20 13:30	11/17/20 20:41	1
1,2-Dichlorobenzene	4.1	U	4.1	0.32	ug/Kg	☼	11/12/20 13:30	11/17/20 20:41	1
1,2-Dichloroethane	4.1	U	4.1	0.21	ug/Kg	☼	11/12/20 13:30	11/17/20 20:41	1
1,2-Dichloropropane	4.1	U	4.1	2.1	ug/Kg	☼	11/12/20 13:30	11/17/20 20:41	1
1,3-Dichlorobenzene	4.1	U	4.1	0.21	ug/Kg	☼	11/12/20 13:30	11/17/20 20:41	1
1,4-Dichlorobenzene	4.1	U	4.1	0.58	ug/Kg	☼	11/12/20 13:30	11/17/20 20:41	1
2-Butanone (MEK)	21	U	21	1.5	ug/Kg	☼	11/12/20 13:30	11/17/20 20:41	1
2-Hexanone	21	U	21	2.1	ug/Kg	☼	11/12/20 13:30	11/17/20 20:41	1
4-Methyl-2-pentanone (MIBK)	21	U	21	1.4	ug/Kg	☼	11/12/20 13:30	11/17/20 20:41	1
Acetone	**9.6**	**J**	21	3.5	ug/Kg	☼	11/12/20 13:30	11/17/20 20:41	1
Benzene	**2.0**	**J**	4.1	0.20	ug/Kg	☼	11/12/20 13:30	11/17/20 20:41	1
Bromodichloromethane	4.1	U	4.1	0.55	ug/Kg	☼	11/12/20 13:30	11/17/20 20:41	1
Bromoform	4.1	U	4.1	2.1	ug/Kg	☼	11/12/20 13:30	11/17/20 20:41	1
Bromomethane	4.1	U	4.1	0.37	ug/Kg	☼	11/12/20 13:30	11/17/20 20:41	1
Carbon disulfide	4.1	U	4.1	2.1	ug/Kg	☼	11/12/20 13:30	11/17/20 20:41	1
Carbon tetrachloride	4.1	U	4.1	0.40	ug/Kg	☼	11/12/20 13:30	11/17/20 20:41	1
Chlorobenzene	4.1	U	4.1	0.55	ug/Kg	☼	11/12/20 13:30	11/17/20 20:41	1
Chloroethane	4.1	U	4.1	0.93	ug/Kg	☼	11/12/20 13:30	11/17/20 20:41	1
Chloroform	4.1	U	4.1	0.26	ug/Kg	☼	11/12/20 13:30	11/17/20 20:41	1
Chloromethane	4.1	U	4.1	0.25	ug/Kg	☼	11/12/20 13:30	11/17/20 20:41	1
cis-1,2-Dichloroethene	4.1	U	4.1	0.53	ug/Kg	☼	11/12/20 13:30	11/17/20 20:41	1
cis-1,3-Dichloropropene	4.1	U	4.1	0.60	ug/Kg	☼	11/12/20 13:30	11/17/20 20:41	1
Cyclohexane	4.1	U	4.1	0.58	ug/Kg	☼	11/12/20 13:30	11/17/20 20:41	1
Dibromochloromethane	4.1	U	4.1	0.53	ug/Kg	☼	11/12/20 13:30	11/17/20 20:41	1
Dichlorodifluoromethane	4.1	U	4.1	0.34	ug/Kg	☼	11/12/20 13:30	11/17/20 20:41	1
Ethylbenzene	4.1	U	4.1	0.29	ug/Kg	☼	11/12/20 13:30	11/17/20 20:41	1
Isopropylbenzene	4.1	U	4.1	0.62	ug/Kg	☼	11/12/20 13:30	11/17/20 20:41	1
Methyl acetate	21	U	21	2.5	ug/Kg	☼	11/12/20 13:30	11/17/20 20:41	1
Methyl tert-butyl ether	4.1	U	4.1	0.41	ug/Kg	☼	11/12/20 13:30	11/17/20 20:41	1
Methylcyclohexane	4.1	U	4.1	0.63	ug/Kg	☼	11/12/20 13:30	11/17/20 20:41	1
Methylene Chloride	4.1	U	4.1	1.9	ug/Kg	☼	11/12/20 13:30	11/17/20 20:41	1
Styrene	4.1	U	4.1	0.21	ug/Kg	☼	11/12/20 13:30	11/17/20 20:41	1
Tetrachloroethene	4.1	U	4.1	0.55	ug/Kg	☼	11/12/20 13:30	11/17/20 20:41	1
Toluene	4.1	U	4.1	0.31	ug/Kg	☼	11/12/20 13:30	11/17/20 20:41	1
trans-1,2-Dichloroethene	4.1	U	4.1	0.43	ug/Kg	☼	11/12/20 13:30	11/17/20 20:41	1
trans-1,3-Dichloropropene	4.1	U	4.1	1.8	ug/Kg	☼	11/12/20 13:30	11/17/20 20:41	1
Trichloroethene	4.1	U	4.1	0.91	ug/Kg	☼	11/12/20 13:30	11/17/20 20:41	1
Trichlorofluoromethane	4.1	U	4.1	0.39	ug/Kg	☼	11/12/20 13:30	11/17/20 20:41	1
Vinyl chloride	4.1	U	4.1	0.50	ug/Kg	☼	11/12/20 13:30	11/17/20 20:41	1
Xylenes, Total	8.3	U	8.3	0.69	ug/Kg	☼	11/12/20 13:30	11/17/20 20:41	1

Client: Parsons Corporation
Project/Site: Honeywell - Tonawanda Plastics

Job ID: 480-178044-1

Client Sample ID: B-7-11112020-1.7-2.2
Date Collected: 11/11/20 13:40
Date Received: 11/11/20 17:12

Lab Sample ID: 480-178044-5
Matrix: Solid
Percent Solids: 86.3

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*112*		*64 - 126*	*11/12/20 13:30*	*11/17/20 20:41*	*1*
4-Bromofluorobenzene (Surr)	*97*		*72 - 126*	*11/12/20 13:30*	*11/17/20 20:41*	*1*
Dibromofluoromethane (Surr)	*107*		*60 - 140*	*11/12/20 13:30*	*11/17/20 20:41*	*1*
Toluene-d8 (Surr)	*97*		*71 - 125*	*11/12/20 13:30*	*11/17/20 20:41*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	200	U	200	29	ug/Kg	☼	11/17/20 15:12	11/19/20 13:40	1
Acenaphthylene	200	U	200	25	ug/Kg	☼	11/17/20 15:12	11/19/20 13:40	1
Anthracene	200	U	200	48	ug/Kg	☼	11/17/20 15:12	11/19/20 13:40	1
Benzo[a]anthracene	200	U	200	20	ug/Kg	☼	11/17/20 15:12	11/19/20 13:40	1
Benzo[a]pyrene	200	U	200	29	ug/Kg	☼	11/17/20 15:12	11/19/20 13:40	1
Benzo[b]fluoranthene	200	U	200	31	ug/Kg	☼	11/17/20 15:12	11/19/20 13:40	1
Benzo[g,h,i]perylene	200	U	200	21	ug/Kg	☼	11/17/20 15:12	11/19/20 13:40	1
Benzo[k]fluoranthene	200	U	200	25	ug/Kg	☼	11/17/20 15:12	11/19/20 13:40	1
Chrysene	200	U	200	44	ug/Kg	☼	11/17/20 15:12	11/19/20 13:40	1
Dibenz(a,h)anthracene	200	U	200	34	ug/Kg	☼	11/17/20 15:12	11/19/20 13:40	1
Fluoranthene	200	U	200	21	ug/Kg	☼	11/17/20 15:12	11/19/20 13:40	1
Fluorene	200	U	200	23	ug/Kg	☼	11/17/20 15:12	11/19/20 13:40	1
Indeno[1,2,3-cd]pyrene	200	U	200	24	ug/Kg	☼	11/17/20 15:12	11/19/20 13:40	1
Naphthalene	200	U	200	25	ug/Kg	☼	11/17/20 15:12	11/19/20 13:40	1
Phenanthrene	200	U	200	29	ug/Kg	☼	11/17/20 15:12	11/19/20 13:40	1
Pyrene	200	U	200	23	ug/Kg	☼	11/17/20 15:12	11/19/20 13:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*92*		*60 - 120*	*11/17/20 15:12*	*11/19/20 13:40*	*1*
Nitrobenzene-d5 (Surr)	*72*		*53 - 120*	*11/17/20 15:12*	*11/19/20 13:40*	*1*
p-Terphenyl-d14 (Surr)	*87*		*79 - 130*	*11/17/20 15:12*	*11/19/20 13:40*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	**23.7**		0.56	0.22	mg/Kg	☼	11/23/20 18:12	11/24/20 14:08	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	1.1	U	1.1	0.53	mg/Kg	☼	11/23/20 22:15	11/24/20 21:38	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**13.7**		0.1	0.1	%			11/13/20 09:34	1
Percent Solids	**86.3**		0.1	0.1	%			11/13/20 09:34	1

Client: Parsons Corporation
Job ID: 480-178044-1
Project/Site: Honeywell - Tonawanda Plastics

Client Sample ID: B-8-11112020-1.9-2.4
Lab Sample ID: 480-178044-6
Date Collected: 11/11/20 14:30
Matrix: Solid
Date Received: 11/11/20 17:12
Percent Solids: 86.9

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	5.0	U	5.0	0.36	ug/Kg	☼	11/12/20 13:30	11/17/20 21:06	1
1,1,2,2-Tetrachloroethane	5.0	U	5.0	0.81	ug/Kg	☼	11/12/20 13:30	11/17/20 21:06	1
1,1,2-Trichloro-1,2,2-trifluoroethane	5.0	U	5.0	1.1	ug/Kg	☼	11/12/20 13:30	11/17/20 21:06	1
1,1,2-Trichloroethane	5.0	U	5.0	0.65	ug/Kg	☼	11/12/20 13:30	11/17/20 21:06	1
1,1-Dichloroethane	5.0	U	5.0	0.61	ug/Kg	☼	11/12/20 13:30	11/17/20 21:06	1
1,1-Dichloroethene	5.0	U	5.0	0.61	ug/Kg	☼	11/12/20 13:30	11/17/20 21:06	1
1,2,4-Trichlorobenzene	5.0	U	5.0	0.31	ug/Kg	☼	11/12/20 13:30	11/17/20 21:06	1
1,2-Dibromo-3-Chloropropane	5.0	U	5.0	2.5	ug/Kg	☼	11/12/20 13:30	11/17/20 21:06	1
1,2-Dibromoethane	5.0	U	5.0	0.65	ug/Kg	☼	11/12/20 13:30	11/17/20 21:06	1
1,2-Dichlorobenzene	5.0	U	5.0	0.39	ug/Kg	☼	11/12/20 13:30	11/17/20 21:06	1
1,2-Dichloroethane	5.0	U	5.0	0.25	ug/Kg	☼	11/12/20 13:30	11/17/20 21:06	1
1,2-Dichloropropane	5.0	U	5.0	2.5	ug/Kg	☼	11/12/20 13:30	11/17/20 21:06	1
1,3-Dichlorobenzene	5.0	U	5.0	0.26	ug/Kg	☼	11/12/20 13:30	11/17/20 21:06	1
1,4-Dichlorobenzene	5.0	U	5.0	0.70	ug/Kg	☼	11/12/20 13:30	11/17/20 21:06	1
2-Butanone (MEK)	25	U	25	1.8	ug/Kg	☼	11/12/20 13:30	11/17/20 21:06	1
2-Hexanone	25	U	25	2.5	ug/Kg	☼	11/12/20 13:30	11/17/20 21:06	1
4-Methyl-2-pentanone (MIBK)	25	U	25	1.6	ug/Kg	☼	11/12/20 13:30	11/17/20 21:06	1
Acetone	25	U	25	4.2	ug/Kg	☼	11/12/20 13:30	11/17/20 21:06	1
Benzene	5.0	U	5.0	0.25	ug/Kg	☼	11/12/20 13:30	11/17/20 21:06	1
Bromodichloromethane	5.0	U	5.0	0.67	ug/Kg	☼	11/12/20 13:30	11/17/20 21:06	1
Bromoform	5.0	U	5.0	2.5	ug/Kg	☼	11/12/20 13:30	11/17/20 21:06	1
Bromomethane	5.0	U	5.0	0.45	ug/Kg	☼	11/12/20 13:30	11/17/20 21:06	1
Carbon disulfide	5.0	U	5.0	2.5	ug/Kg	☼	11/12/20 13:30	11/17/20 21:06	1
Carbon tetrachloride	5.0	U	5.0	0.49	ug/Kg	☼	11/12/20 13:30	11/17/20 21:06	1
Chlorobenzene	5.0	U	5.0	0.66	ug/Kg	☼	11/12/20 13:30	11/17/20 21:06	1
Chloroethane	5.0	U	5.0	1.1	ug/Kg	☼	11/12/20 13:30	11/17/20 21:06	1
Chloroform	5.0	U	5.0	0.31	ug/Kg	☼	11/12/20 13:30	11/17/20 21:06	1
Chloromethane	5.0	U	5.0	0.30	ug/Kg	☼	11/12/20 13:30	11/17/20 21:06	1
cis-1,2-Dichloroethene	5.0	U	5.0	0.64	ug/Kg	☼	11/12/20 13:30	11/17/20 21:06	1
cis-1,3-Dichloropropene	5.0	U	5.0	0.72	ug/Kg	☼	11/12/20 13:30	11/17/20 21:06	1
Cyclohexane	5.0	U	5.0	0.70	ug/Kg	☼	11/12/20 13:30	11/17/20 21:06	1
Dibromochloromethane	5.0	U	5.0	0.64	ug/Kg	☼	11/12/20 13:30	11/17/20 21:06	1
Dichlorodifluoromethane	5.0	U	5.0	0.41	ug/Kg	☼	11/12/20 13:30	11/17/20 21:06	1
Ethylbenzene	5.0	U	5.0	0.35	ug/Kg	☼	11/12/20 13:30	11/17/20 21:06	1
Isopropylbenzene	5.0	U	5.0	0.76	ug/Kg	☼	11/12/20 13:30	11/17/20 21:06	1
Methyl acetate	25	U	25	3.0	ug/Kg	☼	11/12/20 13:30	11/17/20 21:06	1
Methyl tert-butyl ether	5.0	U	5.0	0.49	ug/Kg	☼	11/12/20 13:30	11/17/20 21:06	1
Methylcyclohexane	5.0	U	5.0	0.76	ug/Kg	☼	11/12/20 13:30	11/17/20 21:06	1
Methylene Chloride	5.0	U	5.0	2.3	ug/Kg	☼	11/12/20 13:30	11/17/20 21:06	1
Styrene	5.0	U	5.0	0.25	ug/Kg	☼	11/12/20 13:30	11/17/20 21:06	1
Tetrachloroethene	5.0	U	5.0	0.67	ug/Kg	☼	11/12/20 13:30	11/17/20 21:06	1
Toluene	5.0	U	5.0	0.38	ug/Kg	☼	11/12/20 13:30	11/17/20 21:06	1
trans-1,2-Dichloroethene	5.0	U	5.0	0.52	ug/Kg	☼	11/12/20 13:30	11/17/20 21:06	1
trans-1,3-Dichloropropene	5.0	U	5.0	2.2	ug/Kg	☼	11/12/20 13:30	11/17/20 21:06	1
Trichloroethene	5.0	U	5.0	1.1	ug/Kg	☼	11/12/20 13:30	11/17/20 21:06	1
Trichlorofluoromethane	5.0	U	5.0	0.48	ug/Kg	☼	11/12/20 13:30	11/17/20 21:06	1
Vinyl chloride	5.0	U	5.0	0.61	ug/Kg	☼	11/12/20 13:30	11/17/20 21:06	1
Xylenes, Total	10	U	10	0.84	ug/Kg	☼	11/12/20 13:30	11/17/20 21:06	1

Client: Parsons Corporation
Project/Site: Honeywell - Tonawanda Plastics

Job ID: 480-178044-1

Client Sample ID: B-8-11112020-1.9-2.4
Date Collected: 11/11/20 14:30
Date Received: 11/11/20 17:12

Lab Sample ID: 480-178044-6
Matrix: Solid
Percent Solids: 86.9

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*109*		*64 - 126*	*11/12/20 13:30*	*11/17/20 21:06*	*1*
4-Bromofluorobenzene (Surr)	*99*		*72 - 126*	*11/12/20 13:30*	*11/17/20 21:06*	*1*
Dibromofluoromethane (Surr)	*106*		*60 - 140*	*11/12/20 13:30*	*11/17/20 21:06*	*1*
Toluene-d8 (Surr)	*100*		*71 - 125*	*11/12/20 13:30*	*11/17/20 21:06*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	190	U	190	28	ug/Kg	☼	11/17/20 15:12	11/19/20 14:05	1
Acenaphthylene	190	U	190	25	ug/Kg	☼	11/17/20 15:12	11/19/20 14:05	1
Anthracene	190	U	190	48	ug/Kg	☼	11/17/20 15:12	11/19/20 14:05	1
Benzo[a]anthracene	190	U	190	19	ug/Kg	☼	11/17/20 15:12	11/19/20 14:05	1
Benzo[a]pyrene	190	U	190	28	ug/Kg	☼	11/17/20 15:12	11/19/20 14:05	1
Benzo[b]fluoranthene	190	U	190	31	ug/Kg	☼	11/17/20 15:12	11/19/20 14:05	1
Benzo[g,h,i]perylene	190	U	190	20	ug/Kg	☼	11/17/20 15:12	11/19/20 14:05	1
Benzo[k]fluoranthene	190	U	190	25	ug/Kg	☼	11/17/20 15:12	11/19/20 14:05	1
Chrysene	190	U	190	43	ug/Kg	☼	11/17/20 15:12	11/19/20 14:05	1
Dibenz(a,h)anthracene	190	U	190	34	ug/Kg	☼	11/17/20 15:12	11/19/20 14:05	1
Fluoranthene	190	U	190	20	ug/Kg	☼	11/17/20 15:12	11/19/20 14:05	1
Fluorene	190	U	190	23	ug/Kg	☼	11/17/20 15:12	11/19/20 14:05	1
Indeno[1,2,3-cd]pyrene	190	U	190	24	ug/Kg	☼	11/17/20 15:12	11/19/20 14:05	1
Naphthalene	190	U	190	25	ug/Kg	☼	11/17/20 15:12	11/19/20 14:05	1
Phenanthrene	190	U	190	28	ug/Kg	☼	11/17/20 15:12	11/19/20 14:05	1
Pyrene	190	U	190	23	ug/Kg	☼	11/17/20 15:12	11/19/20 14:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*94*		*60 - 120*	*11/17/20 15:12*	*11/19/20 14:05*	*1*
Nitrobenzene-d5 (Surr)	*72*		*53 - 120*	*11/17/20 15:12*	*11/19/20 14:05*	*1*
p-Terphenyl-d14 (Surr)	*87*		*79 - 130*	*11/17/20 15:12*	*11/19/20 14:05*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	**22.8**		0.57	0.23	mg/Kg	☼	11/23/20 18:12	11/24/20 14:12	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	1.1	U	1.1	0.54	mg/Kg	☼	11/23/20 22:15	11/24/20 21:39	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**13.1**		0.1	0.1	%			11/13/20 09:34	1
Percent Solids	**86.9**		0.1	0.1	%			11/13/20 09:34	1

Client: Parsons Corporation
Job ID: 480-178044-1
Project/Site: Honeywell - Tonawanda Plastics

Client Sample ID: B-9-11112020-0.5-1.0
Lab Sample ID: 480-178044-7
Date Collected: 11/11/20 15:00
Matrix: Solid
Date Received: 11/11/20 17:12
Percent Solids: 77.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	2400	U	2400	660	ug/Kg	☼	11/12/20 15:10	11/15/20 05:08	25
1,1,2,2-Tetrachloroethane	2400	U	2400	390	ug/Kg	☼	11/12/20 15:10	11/15/20 05:08	25
1,1,2-Trichloro-1,2,2-trifluoroethane	2400	U	2400	1200	ug/Kg	☼	11/12/20 15:10	11/15/20 05:08	25
1,1,2-Trichloroethane	2400	U	2400	500	ug/Kg	☼	11/12/20 15:10	11/15/20 05:08	25
1,1-Dichloroethane	2400	U	2400	740	ug/Kg	☼	11/12/20 15:10	11/15/20 05:08	25
1,1-Dichloroethene	2400	U	2400	830	ug/Kg	☼	11/12/20 15:10	11/15/20 05:08	25
1,2,4-Trichlorobenzene	2400	U	2400	900	ug/Kg	☼	11/12/20 15:10	11/15/20 05:08	25
1,2-Dibromo-3-Chloropropane	2400	U	2400	1200	ug/Kg	☼	11/12/20 15:10	11/15/20 05:08	25
1,2-Dichlorobenzene	2400	U	2400	610	ug/Kg	☼	11/12/20 15:10	11/15/20 05:08	25
1,2-Dichloroethane	2400	U	2400	980	ug/Kg	☼	11/12/20 15:10	11/15/20 05:08	25
1,2-Dichloropropane	2400	U	2400	390	ug/Kg	☼	11/12/20 15:10	11/15/20 05:08	25
1,3-Dichlorobenzene	2400	U	2400	640	ug/Kg	☼	11/12/20 15:10	11/15/20 05:08	25
1,4-Dichlorobenzene	2400	U	2400	330	ug/Kg	☼	11/12/20 15:10	11/15/20 05:08	25
2-Butanone (MEK)	12000	U	12000	7100	ug/Kg	☼	11/12/20 15:10	11/15/20 05:08	25
2-Hexanone	12000	U	12000	4900	ug/Kg	☼	11/12/20 15:10	11/15/20 05:08	25
4-Methyl-2-pentanone (MIBK)	12000	U	12000	760	ug/Kg	☼	11/12/20 15:10	11/15/20 05:08	25
Acetone	12000	U	12000	9800	ug/Kg	☼	11/12/20 15:10	11/15/20 05:08	25
Benzene	**17000**		2400	450	ug/Kg	☼	11/12/20 15:10	11/15/20 05:08	25
Bromoform	2400	U	2400	1200	ug/Kg	☼	11/12/20 15:10	11/15/20 05:08	25
Bromomethane	2400	U	2400	530	ug/Kg	☼	11/12/20 15:10	11/15/20 05:08	25
Carbon disulfide	2400	U	2400	1100	ug/Kg	☼	11/12/20 15:10	11/15/20 05:08	25
Carbon tetrachloride	2400	U	2400	610	ug/Kg	☼	11/12/20 15:10	11/15/20 05:08	25
Chlorobenzene	2400	U	2400	320	ug/Kg	☼	11/12/20 15:10	11/15/20 05:08	25
Dibromochloromethane	2400	U	2400	1200	ug/Kg	☼	11/12/20 15:10	11/15/20 05:08	25
Chloroethane	2400	U	2400	500	ug/Kg	☼	11/12/20 15:10	11/15/20 05:08	25
Chloroform	2400	U	2400	1600	ug/Kg	☼	11/12/20 15:10	11/15/20 05:08	25
Chloromethane	2400	U	2400	570	ug/Kg	☼	11/12/20 15:10	11/15/20 05:08	25
cis-1,2-Dichloroethene	2400	U	2400	660	ug/Kg	☼	11/12/20 15:10	11/15/20 05:08	25
Cyclohexane	2400	U	2400	530	ug/Kg	☼	11/12/20 15:10	11/15/20 05:08	25
Bromodichloromethane	2400	U	2400	480	ug/Kg	☼	11/12/20 15:10	11/15/20 05:08	25
Dichlorodifluoromethane	2400	U	2400	1000	ug/Kg	☼	11/12/20 15:10	11/15/20 05:08	25
Ethylbenzene	**17000**		2400	690	ug/Kg	☼	11/12/20 15:10	11/15/20 05:08	25
1,2-Dibromoethane	2400	U	2400	420	ug/Kg	☼	11/12/20 15:10	11/15/20 05:08	25
Isopropylbenzene	2400	U	2400	360	ug/Kg	☼	11/12/20 15:10	11/15/20 05:08	25
Methyl acetate	12000	U	12000	1100	ug/Kg	☼	11/12/20 15:10	11/15/20 05:08	25
Methyl tert-butyl ether	2400	U	2400	900	ug/Kg	☼	11/12/20 15:10	11/15/20 05:08	25
Methylcyclohexane	2400	U	2400	1100	ug/Kg	☼	11/12/20 15:10	11/15/20 05:08	25
Methylene Chloride	2400	U	2400	470	ug/Kg	☼	11/12/20 15:10	11/15/20 05:08	25
Tetrachloroethene	2400	U	2400	320	ug/Kg	☼	11/12/20 15:10	11/15/20 05:08	25
Toluene	**14000**		2400	640	ug/Kg	☼	11/12/20 15:10	11/15/20 05:08	25
trans-1,2-Dichloroethene	2400	U	2400	560	ug/Kg	☼	11/12/20 15:10	11/15/20 05:08	25
trans-1,3-Dichloropropene	2400	U	2400	230	ug/Kg	☼	11/12/20 15:10	11/15/20 05:08	25
Trichloroethene	2400	U	2400	660	ug/Kg	☼	11/12/20 15:10	11/15/20 05:08	25
Trichlorofluoromethane	2400	U	2400	1100	ug/Kg	☼	11/12/20 15:10	11/15/20 05:08	25
Vinyl chloride	2400	U	2400	800	ug/Kg	☼	11/12/20 15:10	11/15/20 05:08	25
Xylenes, Total	**120000**		4800	1300	ug/Kg	☼	11/12/20 15:10	11/15/20 05:08	25
cis-1,3-Dichloropropene	2400	U	2400	570	ug/Kg	☼	11/12/20 15:10	11/15/20 05:08	25
Styrene	2400	U	2400	580	ug/Kg	☼	11/12/20 15:10	11/15/20 05:08	25

Client Sample ID: B-9-11112020-0.5-1.0
Lab Sample ID: 480-178044-7

Date Collected: 11/11/20 15:00
Matrix: Solid

Date Received: 11/11/20 17:12
Percent Solids: 77.8

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	107		53 - 146	11/12/20 15:10	11/15/20 05:08	25
4-Bromofluorobenzene (Surr)	113		49 - 148	11/12/20 15:10	11/15/20 05:08	25
Toluene-d8 (Surr)	104		50 - 149	11/12/20 15:10	11/15/20 05:08	25
Dibromofluoromethane (Surr)	113		60 - 140	11/12/20 15:10	11/15/20 05:08	25

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	1100	U	1100	160	ug/Kg	☼	11/17/20 15:12	11/19/20 14:31	5
Acenaphthylene	1100	U	1100	140	ug/Kg	☼	11/17/20 15:12	11/19/20 14:31	5
Anthracene	1100	U	1100	270	ug/Kg	☼	11/17/20 15:12	11/19/20 14:31	5
Benzo[a]anthracene	**120**	**J**	1100	110	ug/Kg	☼	11/17/20 15:12	11/19/20 14:31	5
Benzo[a]pyrene	1100	U	1100	160	ug/Kg	☼	11/17/20 15:12	11/19/20 14:31	5
Benzo[b]fluoranthene	1100	U	1100	170	ug/Kg	☼	11/17/20 15:12	11/19/20 14:31	5
Benzo[g,h,i]perylene	1100	U	1100	120	ug/Kg	☼	11/17/20 15:12	11/19/20 14:31	5
Benzo[k]fluoranthene	1100	U	1100	140	ug/Kg	☼	11/17/20 15:12	11/19/20 14:31	5
Chrysene	1100	U	1100	240	ug/Kg	☼	11/17/20 15:12	11/19/20 14:31	5
Dibenz(a,h)anthracene	1100	U	1100	190	ug/Kg	☼	11/17/20 15:12	11/19/20 14:31	5
Fluoranthene	**170**	**J**	1100	120	ug/Kg	☼	11/17/20 15:12	11/19/20 14:31	5
Fluorene	1100	U	1100	130	ug/Kg	☼	11/17/20 15:12	11/19/20 14:31	5
Indeno[1,2,3-cd]pyrene	1100	U	1100	130	ug/Kg	☼	11/17/20 15:12	11/19/20 14:31	5
Naphthalene	**8700**		1100	140	ug/Kg	☼	11/17/20 15:12	11/19/20 14:31	5
Phenanthrene	1100	U	1100	160	ug/Kg	☼	11/17/20 15:12	11/19/20 14:31	5
Pyrene	1100	U	1100	130	ug/Kg	☼	11/17/20 15:12	11/19/20 14:31	5

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	89		60 - 120	11/17/20 15:12	11/19/20 14:31	5
Nitrobenzene-d5 (Surr)	72		53 - 120	11/17/20 15:12	11/19/20 14:31	5
p-Terphenyl-d14 (Surr)	76	X	79 - 130	11/17/20 15:12	11/19/20 14:31	5

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	**20.3**		0.67	0.27	mg/Kg	☼	11/23/20 18:12	11/24/20 14:16	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	**0.69**	**J**	1.1	0.54	mg/Kg	☼	11/23/20 22:15	11/24/20 21:41	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**22.2**		0.1	0.1	%			11/13/20 09:34	1
Percent Solids	**77.8**		0.1	0.1	%			11/13/20 09:34	1

Client: Parsons Corporation
Job ID: 480-178044-1
Project/Site: Honeywell - Tonawanda Plastics

Client Sample ID: B-9-11112020-20-25
Lab Sample ID: 480-178044-8
Date Collected: 11/11/20 15:10
Matrix: Solid
Date Received: 11/11/20 17:12
Percent Solids: 85.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	2400	U	2400	680	ug/Kg	☼	11/12/20 15:10	11/15/20 05:31	50
1,1,2,2-Tetrachloroethane	2400	U	2400	400	ug/Kg	☼	11/12/20 15:10	11/15/20 05:31	50
1,1,2-Trichloro-1,2,2-trifluoroethane	2400	U	2400	1200	ug/Kg	☼	11/12/20 15:10	11/15/20 05:31	50
1,1,2-Trichloroethane	2400	U	2400	510	ug/Kg	☼	11/12/20 15:10	11/15/20 05:31	50
1,1-Dichloroethane	2400	U	2400	750	ug/Kg	☼	11/12/20 15:10	11/15/20 05:31	50
1,1-Dichloroethene	2400	U	2400	840	ug/Kg	☼	11/12/20 15:10	11/15/20 05:31	50
1,2,4-Trichlorobenzene	2400	U	2400	920	ug/Kg	☼	11/12/20 15:10	11/15/20 05:31	50
1,2-Dibromo-3-Chloropropane	2400	U	2400	1200	ug/Kg	☼	11/12/20 15:10	11/15/20 05:31	50
1,2-Dichlorobenzene	2400	U	2400	620	ug/Kg	☼	11/12/20 15:10	11/15/20 05:31	50
1,2-Dichloroethane	2400	U	2400	1000	ug/Kg	☼	11/12/20 15:10	11/15/20 05:31	50
1,2-Dichloropropane	2400	U	2400	400	ug/Kg	☼	11/12/20 15:10	11/15/20 05:31	50
1,3-Dichlorobenzene	2400	U	2400	650	ug/Kg	☼	11/12/20 15:10	11/15/20 05:31	50
1,4-Dichlorobenzene	2400	U	2400	340	ug/Kg	☼	11/12/20 15:10	11/15/20 05:31	50
2-Butanone (MEK)	12000	U	12000	7200	ug/Kg	☼	11/12/20 15:10	11/15/20 05:31	50
2-Hexanone	12000	U	12000	5000	ug/Kg	☼	11/12/20 15:10	11/15/20 05:31	50
4-Methyl-2-pentanone (MIBK)	12000	U	12000	780	ug/Kg	☼	11/12/20 15:10	11/15/20 05:31	50
Acetone	12000	U	12000	10000	ug/Kg	☼	11/12/20 15:10	11/15/20 05:31	50
Benzene	**66000**		2400	460	ug/Kg	☼	11/12/20 15:10	11/15/20 05:31	50
Bromoform	2400	U	2400	1200	ug/Kg	☼	11/12/20 15:10	11/15/20 05:31	50
Bromomethane	2400	U	2400	540	ug/Kg	☼	11/12/20 15:10	11/15/20 05:31	50
Carbon disulfide	2400	U	2400	1100	ug/Kg	☼	11/12/20 15:10	11/15/20 05:31	50
Carbon tetrachloride	2400	U	2400	620	ug/Kg	☼	11/12/20 15:10	11/15/20 05:31	50
Chlorobenzene	2400	U	2400	320	ug/Kg	☼	11/12/20 15:10	11/15/20 05:31	50
Dibromochloromethane	2400	U	2400	1200	ug/Kg	☼	11/12/20 15:10	11/15/20 05:31	50
Chloroethane	2400	U	2400	510	ug/Kg	☼	11/12/20 15:10	11/15/20 05:31	50
Chloroform	2400	U	2400	1700	ug/Kg	☼	11/12/20 15:10	11/15/20 05:31	50
Chloromethane	2400	U	2400	580	ug/Kg	☼	11/12/20 15:10	11/15/20 05:31	50
cis-1,2-Dichloroethene	2400	U	2400	670	ug/Kg	☼	11/12/20 15:10	11/15/20 05:31	50
Cyclohexane	2400	U	2400	540	ug/Kg	☼	11/12/20 15:10	11/15/20 05:31	50
Bromodichloromethane	2400	U	2400	490	ug/Kg	☼	11/12/20 15:10	11/15/20 05:31	50
Dichlorodifluoromethane	2400	U	2400	1100	ug/Kg	☼	11/12/20 15:10	11/15/20 05:31	50
Ethylbenzene	**1500**	**J**	2400	710	ug/Kg	☼	11/12/20 15:10	11/15/20 05:31	50
1,2-Dibromoethane	2400	U	2400	430	ug/Kg	☼	11/12/20 15:10	11/15/20 05:31	50
Isopropylbenzene	2400	U	2400	370	ug/Kg	☼	11/12/20 15:10	11/15/20 05:31	50
Methyl acetate	12000	U	12000	1200	ug/Kg	☼	11/12/20 15:10	11/15/20 05:31	50
Methyl tert-butyl ether	2400	U	2400	920	ug/Kg	☼	11/12/20 15:10	11/15/20 05:31	50
Methylcyclohexane	2400	U	2400	1100	ug/Kg	☼	11/12/20 15:10	11/15/20 05:31	50
Methylene Chloride	2400	U	2400	480	ug/Kg	☼	11/12/20 15:10	11/15/20 05:31	50
Tetrachloroethene	2400	U	2400	330	ug/Kg	☼	11/12/20 15:10	11/15/20 05:31	50
Toluene	**83000**		2400	650	ug/Kg	☼	11/12/20 15:10	11/15/20 05:31	50
trans-1,2-Dichloroethene	2400	U	2400	580	ug/Kg	☼	11/12/20 15:10	11/15/20 05:31	50
trans-1,3-Dichloropropene	2400	U	2400	240	ug/Kg	☼	11/12/20 15:10	11/15/20 05:31	50
Trichloroethene	2400	U	2400	680	ug/Kg	☼	11/12/20 15:10	11/15/20 05:31	50
Trichlorofluoromethane	2400	U	2400	1100	ug/Kg	☼	11/12/20 15:10	11/15/20 05:31	50
Vinyl chloride	2400	U	2400	820	ug/Kg	☼	11/12/20 15:10	11/15/20 05:31	50
Xylenes, Total	**9200**		4900	1400	ug/Kg	☼	11/12/20 15:10	11/15/20 05:31	50
cis-1,3-Dichloropropene	2400	U	2400	580	ug/Kg	☼	11/12/20 15:10	11/15/20 05:31	50
Styrene	2400	U	2400	590	ug/Kg	☼	11/12/20 15:10	11/15/20 05:31	50

Client: Parsons Corporation
Project/Site: Honeywell - Tonawanda Plastics

Job ID: 480-178044-1

Client Sample ID: B-9-11112020-20-25

Date Collected: 11/11/20 15:10
Date Received: 11/11/20 17:12

Lab Sample ID: 480-178044-8

Matrix: Solid
Percent Solids: 85.7

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	*106*		*53 - 146*	*11/12/20 15:10*	*11/15/20 05:31*	*50*
4-Bromofluorobenzene (Surr)	*106*		*49 - 148*	*11/12/20 15:10*	*11/15/20 05:31*	*50*
Toluene-d8 (Surr)	*99*		*50 - 149*	*11/12/20 15:10*	*11/15/20 05:31*	*50*
Dibromofluoromethane (Surr)	*116*		*60 - 140*	*11/12/20 15:10*	*11/15/20 05:31*	*50*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	190	U	190	29	ug/Kg	☼	11/17/20 15:12	11/19/20 14:56	1
Acenaphthylene	190	U	190	25	ug/Kg	☼	11/17/20 15:12	11/19/20 14:56	1
Anthracene	190	U	190	48	ug/Kg	☼	11/17/20 15:12	11/19/20 14:56	1
Benzo[a]anthracene	190	U	190	19	ug/Kg	☼	11/17/20 15:12	11/19/20 14:56	1
Benzo[a]pyrene	190	U	190	29	ug/Kg	☼	11/17/20 15:12	11/19/20 14:56	1
Benzo[b]fluoranthene	190	U	190	31	ug/Kg	☼	11/17/20 15:12	11/19/20 14:56	1
Benzo[g,h,i]perylene	190	U	190	21	ug/Kg	☼	11/17/20 15:12	11/19/20 14:56	1
Benzo[k]fluoranthene	190	U	190	25	ug/Kg	☼	11/17/20 15:12	11/19/20 14:56	1
Chrysene	190	U	190	43	ug/Kg	☼	11/17/20 15:12	11/19/20 14:56	1
Dibenz(a,h)anthracene	190	U	190	34	ug/Kg	☼	11/17/20 15:12	11/19/20 14:56	1
Fluoranthene	190	U	190	21	ug/Kg	☼	11/17/20 15:12	11/19/20 14:56	1
Fluorene	190	U	190	23	ug/Kg	☼	11/17/20 15:12	11/19/20 14:56	1
Indeno[1,2,3-cd]pyrene	190	U	190	24	ug/Kg	☼	11/17/20 15:12	11/19/20 14:56	1
Naphthalene	**600**		190	25	ug/Kg	☼	11/17/20 15:12	11/19/20 14:56	1
Phenanthrene	190	U	190	29	ug/Kg	☼	11/17/20 15:12	11/19/20 14:56	1
Pyrene	190	U	190	23	ug/Kg	☼	11/17/20 15:12	11/19/20 14:56	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	*100*		*60 - 120*	*11/17/20 15:12*	*11/19/20 14:56*	*1*
Nitrobenzene-d5 (Surr)	*81*		*53 - 120*	*11/17/20 15:12*	*11/19/20 14:56*	*1*
p-Terphenyl-d14 (Surr)	*88*		*79 - 130*	*11/17/20 15:12*	*11/19/20 14:56*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	**22.0**		0.58	0.23	mg/Kg	☼	11/23/20 18:12	11/24/20 14:20	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	0.99	U	0.99	0.48	mg/Kg	☼	11/23/20 22:15	11/24/20 21:42	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**14.3**		0.1	0.1	%			11/13/20 09:52	1
Percent Solids	**85.7**		0.1	0.1	%			11/13/20 09:52	1

Client: Parsons Corporation
Job ID: 480-178044-1
Project/Site: Honeywell - Tonawanda Plastics

Client Sample ID: B-9-11112020-9.5-10.0
Lab Sample ID: 480-178044-9
Date Collected: 11/11/20 15:30
Matrix: Solid
Date Received: 11/11/20 17:12
Percent Solids: 84.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	2500	U	2500	690	ug/Kg	☼	11/12/20 15:10	11/15/20 05:54	50
1,1,2,2-Tetrachloroethane	2500	U	2500	410	ug/Kg	☼	11/12/20 15:10	11/15/20 05:54	50
1,1,2-Trichloro-1,2,2-trifluoroethane	2500	U	2500	1300	ug/Kg	☼	11/12/20 15:10	11/15/20 05:54	50
1,1,2-Trichloroethane	2500	U	2500	530	ug/Kg	☼	11/12/20 15:10	11/15/20 05:54	50
1,1-Dichloroethane	2500	U	2500	770	ug/Kg	☼	11/12/20 15:10	11/15/20 05:54	50
1,1-Dichloroethene	2500	U	2500	870	ug/Kg	☼	11/12/20 15:10	11/15/20 05:54	50
1,2,4-Trichlorobenzene	2500	U	2500	950	ug/Kg	☼	11/12/20 15:10	11/15/20 05:54	50
1,2-Dibromo-3-Chloropropane	2500	U	2500	1300	ug/Kg	☼	11/12/20 15:10	11/15/20 05:54	50
1,2-Dichlorobenzene	2500	U	2500	640	ug/Kg	☼	11/12/20 15:10	11/15/20 05:54	50
1,2-Dichloroethane	2500	U	2500	1000	ug/Kg	☼	11/12/20 15:10	11/15/20 05:54	50
1,2-Dichloropropane	2500	U	2500	410	ug/Kg	☼	11/12/20 15:10	11/15/20 05:54	50
1,3-Dichlorobenzene	2500	U	2500	670	ug/Kg	☼	11/12/20 15:10	11/15/20 05:54	50
1,4-Dichlorobenzene	2500	U	2500	350	ug/Kg	☼	11/12/20 15:10	11/15/20 05:54	50
2-Butanone (MEK)	13000	U	13000	7400	ug/Kg	☼	11/12/20 15:10	11/15/20 05:54	50
2-Hexanone	13000	U	13000	5100	ug/Kg	☼	11/12/20 15:10	11/15/20 05:54	50
4-Methyl-2-pentanone (MIBK)	13000	U	13000	800	ug/Kg	☼	11/12/20 15:10	11/15/20 05:54	50
Acetone	13000	U	13000	10000	ug/Kg	☼	11/12/20 15:10	11/15/20 05:54	50
Benzene	**86000**		2500	480	ug/Kg	☼	11/12/20 15:10	11/15/20 05:54	50
Bromoform	2500	U	2500	1300	ug/Kg	☼	11/12/20 15:10	11/15/20 05:54	50
Bromomethane	2500	U	2500	550	ug/Kg	☼	11/12/20 15:10	11/15/20 05:54	50
Carbon disulfide	2500	U	2500	1100	ug/Kg	☼	11/12/20 15:10	11/15/20 05:54	50
Carbon tetrachloride	2500	U	2500	640	ug/Kg	☼	11/12/20 15:10	11/15/20 05:54	50
Chlorobenzene	2500	U	2500	330	ug/Kg	☼	11/12/20 15:10	11/15/20 05:54	50
Dibromochloromethane	2500	U	2500	1200	ug/Kg	☼	11/12/20 15:10	11/15/20 05:54	50
Chloroethane	2500	U	2500	520	ug/Kg	☼	11/12/20 15:10	11/15/20 05:54	50
Chloroform	2500	U	2500	1700	ug/Kg	☼	11/12/20 15:10	11/15/20 05:54	50
Chloromethane	2500	U	2500	600	ug/Kg	☼	11/12/20 15:10	11/15/20 05:54	50
cis-1,2-Dichloroethene	2500	U	2500	690	ug/Kg	☼	11/12/20 15:10	11/15/20 05:54	50
Cyclohexane	2500	U	2500	560	ug/Kg	☼	11/12/20 15:10	11/15/20 05:54	50
Bromodichloromethane	2500	U	2500	500	ug/Kg	☼	11/12/20 15:10	11/15/20 05:54	50
Dichlorodifluoromethane	2500	U	2500	1100	ug/Kg	☼	11/12/20 15:10	11/15/20 05:54	50
Ethylbenzene	**1300**	**J**	2500	730	ug/Kg	☼	11/12/20 15:10	11/15/20 05:54	50
1,2-Dibromoethane	2500	U	2500	440	ug/Kg	☼	11/12/20 15:10	11/15/20 05:54	50
Isopropylbenzene	2500	U	2500	380	ug/Kg	☼	11/12/20 15:10	11/15/20 05:54	50
Methyl acetate	13000	U	13000	1200	ug/Kg	☼	11/12/20 15:10	11/15/20 05:54	50
Methyl tert-butyl ether	2500	U	2500	950	ug/Kg	☼	11/12/20 15:10	11/15/20 05:54	50
Methylcyclohexane	2500	U	2500	1200	ug/Kg	☼	11/12/20 15:10	11/15/20 05:54	50
Methylene Chloride	2500	U	2500	500	ug/Kg	☼	11/12/20 15:10	11/15/20 05:54	50
Tetrachloroethene	2500	U	2500	340	ug/Kg	☼	11/12/20 15:10	11/15/20 05:54	50
Toluene	**54000**		2500	670	ug/Kg	☼	11/12/20 15:10	11/15/20 05:54	50
trans-1,2-Dichloroethene	2500	U	2500	590	ug/Kg	☼	11/12/20 15:10	11/15/20 05:54	50
trans-1,3-Dichloropropene	2500	U	2500	250	ug/Kg	☼	11/12/20 15:10	11/15/20 05:54	50
Trichloroethene	2500	U	2500	700	ug/Kg	☼	11/12/20 15:10	11/15/20 05:54	50
Trichlorofluoromethane	2500	U	2500	1200	ug/Kg	☼	11/12/20 15:10	11/15/20 05:54	50
Vinyl chloride	2500	U	2500	840	ug/Kg	☼	11/12/20 15:10	11/15/20 05:54	50
Xylenes, Total	**8100**		5000	1400	ug/Kg	☼	11/12/20 15:10	11/15/20 05:54	50
cis-1,3-Dichloropropene	2500	U	2500	600	ug/Kg	☼	11/12/20 15:10	11/15/20 05:54	50
Styrene	2500	U	2500	600	ug/Kg	☼	11/12/20 15:10	11/15/20 05:54	50

Client: Parsons Corporation
Project/Site: Honeywell - Tonawanda Plastics

Job ID: 480-178044-1

Client Sample ID: B-9-11112020-9.5-10.0
Date Collected: 11/11/20 15:30
Date Received: 11/11/20 17:12

Lab Sample ID: 480-178044-9
Matrix: Solid
Percent Solids: 84.0

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*100*		*53 - 146*	*11/12/20 15:10*	*11/15/20 05:54*	*50*
4-Bromofluorobenzene (Surr)	*112*		*49 - 148*	*11/12/20 15:10*	*11/15/20 05:54*	*50*
Toluene-d8 (Surr)	*104*		*50 - 149*	*11/12/20 15:10*	*11/15/20 05:54*	*50*
Dibromofluoromethane (Surr)	*111*		*60 - 140*	*11/12/20 15:10*	*11/15/20 05:54*	*50*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	200	U	200	29	ug/Kg	☼	11/17/20 15:12	11/19/20 15:21	1
Acenaphthylene	200	U	200	26	ug/Kg	☼	11/17/20 15:12	11/19/20 15:21	1
Anthracene	200	U	200	49	ug/Kg	☼	11/17/20 15:12	11/19/20 15:21	1
Benzo[a]anthracene	**31**	**J**	200	20	ug/Kg	☼	11/17/20 15:12	11/19/20 15:21	1
Benzo[a]pyrene	**34**	**J**	200	29	ug/Kg	☼	11/17/20 15:12	11/19/20 15:21	1
Benzo[b]fluoranthene	**46**	**J**	200	32	ug/Kg	☼	11/17/20 15:12	11/19/20 15:21	1
Benzo[g,h,i]perylene	200	U	200	21	ug/Kg	☼	11/17/20 15:12	11/19/20 15:21	1
Benzo[k]fluoranthene	**26**	**J**	200	26	ug/Kg	☼	11/17/20 15:12	11/19/20 15:21	1
Chrysene	200	U	200	44	ug/Kg	☼	11/17/20 15:12	11/19/20 15:21	1
Dibenz(a,h)anthracene	200	U	200	35	ug/Kg	☼	11/17/20 15:12	11/19/20 15:21	1
Fluoranthene	**46**	**J**	200	21	ug/Kg	☼	11/17/20 15:12	11/19/20 15:21	1
Fluorene	200	U	200	23	ug/Kg	☼	11/17/20 15:12	11/19/20 15:21	1
Indeno[1,2,3-cd]pyrene	200	U	200	25	ug/Kg	☼	11/17/20 15:12	11/19/20 15:21	1
Naphthalene	**950**		200	26	ug/Kg	☼	11/17/20 15:12	11/19/20 15:21	1
Phenanthrene	200	U	200	29	ug/Kg	☼	11/17/20 15:12	11/19/20 15:21	1
Pyrene	**32**	**J**	200	23	ug/Kg	☼	11/17/20 15:12	11/19/20 15:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*95*		*60 - 120*	*11/17/20 15:12*	*11/19/20 15:21*	*1*
Nitrobenzene-d5 (Surr)	*78*		*53 - 120*	*11/17/20 15:12*	*11/19/20 15:21*	*1*
p-Terphenyl-d14 (Surr)	*81*		*79 - 130*	*11/17/20 15:12*	*11/19/20 15:21*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	**23.7**		0.60	0.24	mg/Kg	☼	11/23/20 18:12	11/24/20 14:35	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	1.1	U	1.1	0.52	mg/Kg	☼	11/23/20 22:15	11/24/20 21:43	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**16.0**		0.1	0.1	%			11/13/20 09:52	1
Percent Solids	**84.0**		0.1	0.1	%			11/13/20 09:52	1

Surrogate Summary

Client: Parsons Corporation
Project/Site: Honeywell - Tonawanda Plastics

Job ID: 480-178044-1

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

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
		DCA	BFB	DBFM	TOL
Lab Sample ID	Client Sample ID	(64-126)	(72-126)	(60-140)	(71-125)
480-178044-1	B-1-11112020-1.5-2.0	116	97	106	97
480-178044-2	B-4-11112020-0.8-1.3	138 X	34 *3 X	163 X	162 *3 X
480-178044-3	B-4-11112020-1.5-2.0	107	100	105	100
480-178044-4	B-5-11112020-0.6-1.1	107	98	103	97
480-178044-5	B-7-11112020-1.7-2.2	112	97	107	97
480-178044-6	B-8-11112020-1.9-2.4	109	99	106	100
LCS 480-559289/1-A	Lab Control Sample	98	101	101	99
LCS 480-559506/1-A	Lab Control Sample	100	100	117	97
MB 480-559289/2-A	Method Blank	104	99	104	99
MB 480-559506/2-A	Method Blank	102	98	119	99

Surrogate Legend

DCA = 1,2-Dichloroethane-d4 (Surr)
BFB = 4-Bromofluorobenzene (Surr)
DBFM = Dibromofluoromethane (Surr)
TOL = Toluene-d8 (Surr)

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

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
		DCA	BFB	DBFM	TOL
Lab Sample ID	Client Sample ID	(53-146)	(49-148)	(60-140)	(50-149)
480-178044-7	B-9-11112020-0.5-1.0	107	113	113	104
480-178044-8	B-9-11112020-20-25	106	106	116	99
480-178044-9	B-9-11112020-9.5-10.0	100	112	111	104
LCS 480-558812/1-A	Lab Control Sample	105	111	116	99
LCSD 480-558812/2-A	Lab Control Sample Dup	107	116	116	103
MB 480-558812/3-A	Method Blank	102	108	101	102

Surrogate Legend

DCA = 1,2-Dichloroethane-d4 (Surr)
BFB = 4-Bromofluorobenzene (Surr)
DBFM = Dibromofluoromethane (Surr)
TOL = Toluene-d8 (Surr)

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

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)		
		FBP	NBZ	TPHd14
Lab Sample ID	Client Sample ID	(60-120)	(53-120)	(79-130)
480-178044-1	B-1-11112020-1.5-2.0	101	76	97
480-178044-1 MS	B-1-11112020-1.5-2.0	90	72	91
480-178044-1 MSD	B-1-11112020-1.5-2.0	94	77	95
480-178044-2	B-4-11112020-0.8-1.3	95	75	80
480-178044-3	B-4-11112020-1.5-2.0	89	69	83
480-178044-4	B-5-11112020-0.6-1.1	91	73	85
480-178044-5	B-7-11112020-1.7-2.2	92	72	87
480-178044-6	B-8-11112020-1.9-2.4	94	72	87
480-178044-7	B-9-11112020-0.5-1.0	89	72	76 X

Surrogate Summary

Client: Parsons Corporation
Job ID: 480-178044-1
Project/Site: Honeywell - Tonawanda Plastics

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

Matrix: Solid
Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)		
		FBP	NBZ	TPHd14
Lab Sample ID	Client Sample ID	(60-120)	(53-120)	(79-130)
480-178044-8	B-9-11112020-20-25	100	81	88
480-178044-9	B-9-11112020-9.5-10.0	95	78	81
LCS 480-559530/2-A	Lab Control Sample	93	74	97
MB 480-559530/1-A	Method Blank	96	72	95

Surrogate Legend

FBP = 2-Fluorobiphenyl
NBZ = Nitrobenzene-d5 (Surr)
TPHd14 = p-Terphenyl-d14 (Surr)

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

Lab Sample ID: MB 480-558812/3-A
Matrix: Solid
Analysis Batch: 559102

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 558812

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	100	U	100	28	ug/Kg		11/12/20 15:10	11/15/20 00:09	1
1,1,2,2-Tetrachloroethane	100	U	100	16	ug/Kg		11/12/20 15:10	11/15/20 00:09	1
1,1,2-Trichloro-1,2,2-trifluoroethane	100	U	100	50	ug/Kg		11/12/20 15:10	11/15/20 00:09	1
1,1,2-Trichloroethane	100	U	100	21	ug/Kg		11/12/20 15:10	11/15/20 00:09	1
1,1-Dichloroethane	100	U	100	31	ug/Kg		11/12/20 15:10	11/15/20 00:09	1
1,1-Dichloroethene	100	U	100	35	ug/Kg		11/12/20 15:10	11/15/20 00:09	1
1,2,4-Trichlorobenzene	100	U	100	38	ug/Kg		11/12/20 15:10	11/15/20 00:09	1
1,2-Dibromo-3-Chloropropane	100	U	100	50	ug/Kg		11/12/20 15:10	11/15/20 00:09	1
1,2-Dichlorobenzene	100	U	100	26	ug/Kg		11/12/20 15:10	11/15/20 00:09	1
1,2-Dichloroethane	100	U	100	41	ug/Kg		11/12/20 15:10	11/15/20 00:09	1
1,2-Dichloropropane	100	U	100	16	ug/Kg		11/12/20 15:10	11/15/20 00:09	1
1,3-Dichlorobenzene	100	U	100	27	ug/Kg		11/12/20 15:10	11/15/20 00:09	1
1,4-Dichlorobenzene	100	U	100	14	ug/Kg		11/12/20 15:10	11/15/20 00:09	1
2-Butanone (MEK)	500	U	500	300	ug/Kg		11/12/20 15:10	11/15/20 00:09	1
2-Hexanone	500	U	500	210	ug/Kg		11/12/20 15:10	11/15/20 00:09	1
4-Methyl-2-pentanone (MIBK)	500	U	500	32	ug/Kg		11/12/20 15:10	11/15/20 00:09	1
Acetone	500	U	500	410	ug/Kg		11/12/20 15:10	11/15/20 00:09	1
Benzene	100	U	100	19	ug/Kg		11/12/20 15:10	11/15/20 00:09	1
Bromoform	100	U	100	50	ug/Kg		11/12/20 15:10	11/15/20 00:09	1
Bromomethane	100	U	100	22	ug/Kg		11/12/20 15:10	11/15/20 00:09	1
Carbon disulfide	100	U	100	46	ug/Kg		11/12/20 15:10	11/15/20 00:09	1
Carbon tetrachloride	100	U	100	26	ug/Kg		11/12/20 15:10	11/15/20 00:09	1
Chlorobenzene	100	U	100	13	ug/Kg		11/12/20 15:10	11/15/20 00:09	1
Chloroethane	100	U	100	21	ug/Kg		11/12/20 15:10	11/15/20 00:09	1
Chloroform	100	U	100	69	ug/Kg		11/12/20 15:10	11/15/20 00:09	1
Chloromethane	100	U	100	24	ug/Kg		11/12/20 15:10	11/15/20 00:09	1
cis-1,2-Dichloroethene	100	U	100	28	ug/Kg		11/12/20 15:10	11/15/20 00:09	1
Bromodichloromethane	100	U	100	20	ug/Kg		11/12/20 15:10	11/15/20 00:09	1
Cyclohexane	100	U	100	22	ug/Kg		11/12/20 15:10	11/15/20 00:09	1
Dibromochloromethane	100	U	100	48	ug/Kg		11/12/20 15:10	11/15/20 00:09	1
1,2-Dibromoethane	100	U	100	18	ug/Kg		11/12/20 15:10	11/15/20 00:09	1
Dichlorodifluoromethane	100	U	100	44	ug/Kg		11/12/20 15:10	11/15/20 00:09	1
Ethylbenzene	100	U	100	29	ug/Kg		11/12/20 15:10	11/15/20 00:09	1
Isopropylbenzene	100	U	100	15	ug/Kg		11/12/20 15:10	11/15/20 00:09	1
Methyl acetate	500	U	500	48	ug/Kg		11/12/20 15:10	11/15/20 00:09	1
Methyl tert-butyl ether	100	U	100	38	ug/Kg		11/12/20 15:10	11/15/20 00:09	1
Methylcyclohexane	100	U	100	47	ug/Kg		11/12/20 15:10	11/15/20 00:09	1
Methylene Chloride	100	U	100	20	ug/Kg		11/12/20 15:10	11/15/20 00:09	1
Tetrachloroethene	100	U	100	13	ug/Kg		11/12/20 15:10	11/15/20 00:09	1
Toluene	100	U	100	27	ug/Kg		11/12/20 15:10	11/15/20 00:09	1
trans-1,2-Dichloroethene	100	U	100	24	ug/Kg		11/12/20 15:10	11/15/20 00:09	1
trans-1,3-Dichloropropene	100	U	100	9.8	ug/Kg		11/12/20 15:10	11/15/20 00:09	1
Trichloroethene	100	U	100	28	ug/Kg		11/12/20 15:10	11/15/20 00:09	1
cis-1,3-Dichloropropene	100	U	100	24	ug/Kg		11/12/20 15:10	11/15/20 00:09	1
Trichlorofluoromethane	100	U	100	47	ug/Kg		11/12/20 15:10	11/15/20 00:09	1
Styrene	100	U	100	24	ug/Kg		11/12/20 15:10	11/15/20 00:09	1
Vinyl chloride	100	U	100	34	ug/Kg		11/12/20 15:10	11/15/20 00:09	1
Xylenes, Total	200	U	200	55	ug/Kg		11/12/20 15:10	11/15/20 00:09	1

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

Lab Sample ID: MB 480-558812/3-A
Matrix: Solid
Analysis Batch: 559102

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 558812

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	*102*		*53 - 146*	*11/12/20 15:10*	*11/15/20 00:09*	*1*
4-Bromofluorobenzene (Surr)	*108*		*49 - 148*	*11/12/20 15:10*	*11/15/20 00:09*	*1*
Toluene-d8 (Surr)	*102*		*50 - 149*	*11/12/20 15:10*	*11/15/20 00:09*	*1*
Dibromofluoromethane (Surr)	*101*		*60 - 140*	*11/12/20 15:10*	*11/15/20 00:09*	*1*

Lab Sample ID: LCS 480-558812/1-A
Matrix: Solid
Analysis Batch: 559102

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 558812

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	2500	2960		ug/Kg		118	68 - 130
1,1,2,2-Tetrachloroethane	2500	2370		ug/Kg		95	73 - 120
1,1,2-Trichloro-1,2,2-trifluoroethane	2500	2660		ug/Kg		106	10 - 179
1,1,2-Trichloroethane	2500	2520		ug/Kg		101	80 - 120
1,1-Dichloroethane	2500	2590		ug/Kg		104	78 - 121
1,1-Dichloroethene	2500	2760		ug/Kg		110	48 - 133
1,2,4-Trichlorobenzene	2500	2730		ug/Kg		109	70 - 140
1,2-Dibromo-3-Chloropropane	2500	2490		ug/Kg		99	56 - 122
1,2-Dichlorobenzene	2500	2470		ug/Kg		99	78 - 125
1,2-Dichloroethane	2500	2780		ug/Kg		111	74 - 127
1,2-Dichloropropane	2500	2490		ug/Kg		99	80 - 120
1,3-Dichlorobenzene	2500	2540		ug/Kg		101	80 - 120
1,4-Dichlorobenzene	2500	2480		ug/Kg		99	80 - 120
2-Butanone (MEK)	12500	11200		ug/Kg		90	54 - 149
2-Hexanone	12500	10500		ug/Kg		84	59 - 127
4-Methyl-2-pentanone (MIBK)	12500	10400		ug/Kg		83	74 - 120
Acetone	12500	11300		ug/Kg		90	47 - 141
Benzene	2500	2560		ug/Kg		103	77 - 125
Bromoform	2500	2930		ug/Kg		117	48 - 125
Bromomethane	2500	2480		ug/Kg		99	39 - 149
Carbon disulfide	2500	2380		ug/Kg		95	40 - 136
Carbon tetrachloride	2500	3020		ug/Kg		121	54 - 135
Chlorobenzene	2500	2660		ug/Kg		107	76 - 126
Chloroethane	2500	2210		ug/Kg		89	23 - 150
Chloroform	2500	2700		ug/Kg		108	78 - 120
Chloromethane	2500	1950		ug/Kg		78	61 - 124
cis-1,2-Dichloroethene	2500	2640		ug/Kg		106	79 - 124
Bromodichloromethane	2500	2750		ug/Kg		110	71 - 121
Cyclohexane	2500	2460		ug/Kg		98	49 - 129
Dibromochloromethane	2500	2820		ug/Kg		113	64 - 120
1,2-Dibromoethane	2500	2630		ug/Kg		105	80 - 120
Dichlorodifluoromethane	2500	2700		ug/Kg		108	10 - 150
Ethylbenzene	2500	2570		ug/Kg		103	78 - 124
Isopropylbenzene	2500	2630		ug/Kg		105	76 - 120
Methyl acetate	5000	4470		ug/Kg		89	71 - 123
Methyl tert-butyl ether	2500	2720		ug/Kg		109	67 - 137
Methylcyclohexane	2500	2640		ug/Kg		106	50 - 130
Methylene Chloride	2500	2480		ug/Kg		99	75 - 118

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

Lab Sample ID: LCS 480-558812/1-A
Matrix: Solid
Analysis Batch: 559102

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 558812

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Tetrachloroethene			2500	2870		ug/Kg		115	73 - 133		
Toluene			2500	2580		ug/Kg		103	75 - 124		
trans-1,2-Dichloroethene			2500	2670		ug/Kg		107	74 - 129		
Trichloroethene			2500	2690		ug/Kg		108	75 - 131		
cis-1,3-Dichloropropene			2500	2670		ug/Kg		107	75 - 121		
Trichlorofluoromethane			2500	3120		ug/Kg		125	29 - 158		
Styrene			2500	2690		ug/Kg		107	80 - 120		
Vinyl chloride			2500	2270		ug/Kg		91	59 - 124		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*105*		*53 - 146*
4-Bromofluorobenzene (Surr)	*111*		*49 - 148*
Toluene-d8 (Surr)	*99*		*50 - 149*
Dibromofluoromethane (Surr)	*116*		*60 - 140*

Lab Sample ID: LCSD 480-558812/2-A
Matrix: Solid
Analysis Batch: 559102

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 558812

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,1-Trichloroethane			2500	2920		ug/Kg		117	68 - 130	1	20
1,1,2,2-Tetrachloroethane			2500	2290		ug/Kg		92	73 - 120	3	20
1,1,2-Trichloro-1,2,2-trifluoroetha ne			2500	2520		ug/Kg		101	10 - 179	5	20
1,1,2-Trichloroethane			2500	2500		ug/Kg		100	80 - 120	1	20
1,1-Dichloroethane			2500	2450		ug/Kg		98	78 - 121	5	20
1,1-Dichloroethene			2500	2620		ug/Kg		105	48 - 133	5	20
1,2,4-Trichlorobenzene			2500	2610		ug/Kg		105	70 - 140	4	20
1,2-Dibromo-3-Chloropropane			2500	2410		ug/Kg		96	56 - 122	3	20
1,2-Dichlorobenzene			2500	2380		ug/Kg		95	78 - 125	4	20
1,2-Dichloroethane			2500	2640		ug/Kg		106	74 - 127	5	20
1,2-Dichloropropane			2500	2430		ug/Kg		97	80 - 120	2	20
1,3-Dichlorobenzene			2500	2350		ug/Kg		94	80 - 120	8	20
1,4-Dichlorobenzene			2500	2320		ug/Kg		93	80 - 120	7	20
2-Butanone (MEK)			12500	10900		ug/Kg		87	54 - 149	3	20
2-Hexanone			12500	10700		ug/Kg		85	59 - 127	2	20
4-Methyl-2-pentanone (MIBK)			12500	10300		ug/Kg		83	74 - 120	1	20
Acetone			12500	11600		ug/Kg		93	47 - 141	3	20
Benzene			2500	2470		ug/Kg		99	77 - 125	4	20
Bromoform			2500	2800		ug/Kg		112	48 - 125	4	20
Bromomethane			2500	2530		ug/Kg		101	39 - 149	2	20
Carbon disulfide			2500	2270		ug/Kg		91	40 - 136	5	20
Carbon tetrachloride			2500	3070		ug/Kg		123	54 - 135	2	20
Chlorobenzene			2500	2600		ug/Kg		104	76 - 126	2	20
Chloroethane			2500	2100		ug/Kg		84	23 - 150	5	20
Chloroform			2500	2630		ug/Kg		105	78 - 120	3	20
Chloromethane			2500	1940		ug/Kg		77	61 - 124	0	20
cis-1,2-Dichloroethene			2500	2570		ug/Kg		103	79 - 124	2	20
Bromodichloromethane			2500	2650		ug/Kg		106	71 - 121	4	20

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

Lab Sample ID: LCSD 480-558812/2-A
Matrix: Solid
Analysis Batch: 559102

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 558812

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Cyclohexane			2500	2370		ug/Kg		95	49 - 129	4	20
Dibromochloromethane			2500	2650		ug/Kg		106	64 - 120	6	20
1,2-Dibromoethane			2500	2490		ug/Kg		100	80 - 120	6	20
Dichlorodifluoromethane			2500	2590		ug/Kg		103	10 - 150	4	20
Ethylbenzene			2500	2500		ug/Kg		100	78 - 124	3	20
Isopropylbenzene			2500	2440		ug/Kg		97	76 - 120	8	20
Methyl acetate			5000	4470		ug/Kg		89	71 - 123	0	20
Methyl tert-butyl ether			2500	2640		ug/Kg		106	67 - 137	3	20
Methylcyclohexane			2500	2560		ug/Kg		102	50 - 130	3	20
Methylene Chloride			2500	2410		ug/Kg		96	75 - 118	3	20
Tetrachloroethene			2500	2680		ug/Kg		107	73 - 133	7	20
Toluene			2500	2480		ug/Kg		99	75 - 124	4	20
trans-1,2-Dichloroethene			2500	2570		ug/Kg		103	74 - 129	4	20
Trichloroethene			2500	2670		ug/Kg		107	75 - 131	1	20
cis-1,3-Dichloropropene			2500	2620		ug/Kg		105	75 - 121	2	20
Trichlorofluoromethane			2500	3100		ug/Kg		124	29 - 158	1	20
Styrene			2500	2500		ug/Kg		100	80 - 120	7	20
Vinyl chloride			2500	2190		ug/Kg		88	59 - 124	4	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*107*		*53 - 146*
4-Bromofluorobenzene (Surr)	*116*		*49 - 148*
Toluene-d8 (Surr)	*103*		*50 - 149*
Dibromofluoromethane (Surr)	*116*		*60 - 140*

Lab Sample ID: MB 480-559289/2-A
Matrix: Solid
Analysis Batch: 559476

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 559289

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	5.0	U	5.0	0.36	ug/Kg		11/16/20 11:57	11/17/20 13:32	1
1,1,2,2-Tetrachloroethane	5.0	U	5.0	0.81	ug/Kg		11/16/20 11:57	11/17/20 13:32	1
1,1,2-Trichloro-1,2,2-trifluoroethane	5.0	U	5.0	1.1	ug/Kg		11/16/20 11:57	11/17/20 13:32	1
1,1,2-Trichloroethane	5.0	U	5.0	0.65	ug/Kg		11/16/20 11:57	11/17/20 13:32	1
1,1-Dichloroethane	5.0	U	5.0	0.61	ug/Kg		11/16/20 11:57	11/17/20 13:32	1
1,1-Dichloroethene	5.0	U	5.0	0.61	ug/Kg		11/16/20 11:57	11/17/20 13:32	1
1,2,4-Trichlorobenzene	5.0	U	5.0	0.30	ug/Kg		11/16/20 11:57	11/17/20 13:32	1
1,2-Dibromo-3-Chloropropane	5.0	U	5.0	2.5	ug/Kg		11/16/20 11:57	11/17/20 13:32	1
1,2-Dichlorobenzene	5.0	U	5.0	0.39	ug/Kg		11/16/20 11:57	11/17/20 13:32	1
1,2-Dichloroethane	5.0	U	5.0	0.25	ug/Kg		11/16/20 11:57	11/17/20 13:32	1
1,2-Dichloropropane	5.0	U	5.0	2.5	ug/Kg		11/16/20 11:57	11/17/20 13:32	1
1,3-Dichlorobenzene	5.0	U	5.0	0.26	ug/Kg		11/16/20 11:57	11/17/20 13:32	1
1,4-Dichlorobenzene	5.0	U	5.0	0.70	ug/Kg		11/16/20 11:57	11/17/20 13:32	1
2-Butanone (MEK)	25	U	25	1.8	ug/Kg		11/16/20 11:57	11/17/20 13:32	1
2-Hexanone	25	U	25	2.5	ug/Kg		11/16/20 11:57	11/17/20 13:32	1
4-Methyl-2-pentanone (MIBK)	25	U	25	1.6	ug/Kg		11/16/20 11:57	11/17/20 13:32	1
Acetone	25	U	25	4.2	ug/Kg		11/16/20 11:57	11/17/20 13:32	1
Benzene	5.0	U	5.0	0.25	ug/Kg		11/16/20 11:57	11/17/20 13:32	1

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

Lab Sample ID: MB 480-559289/2-A
Matrix: Solid
Analysis Batch: 559476

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 559289

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromoform	5.0	U	5.0	2.5	ug/Kg		11/16/20 11:57	11/17/20 13:32	1
Bromomethane	5.0	U	5.0	0.45	ug/Kg		11/16/20 11:57	11/17/20 13:32	1
Carbon disulfide	5.0	U	5.0	2.5	ug/Kg		11/16/20 11:57	11/17/20 13:32	1
Carbon tetrachloride	5.0	U	5.0	0.48	ug/Kg		11/16/20 11:57	11/17/20 13:32	1
Chlorobenzene	5.0	U	5.0	0.66	ug/Kg		11/16/20 11:57	11/17/20 13:32	1
Chloroethane	5.0	U	5.0	1.1	ug/Kg		11/16/20 11:57	11/17/20 13:32	1
Chloroform	5.0	U	5.0	0.31	ug/Kg		11/16/20 11:57	11/17/20 13:32	1
Chloromethane	5.0	U	5.0	0.30	ug/Kg		11/16/20 11:57	11/17/20 13:32	1
cis-1,2-Dichloroethene	5.0	U	5.0	0.64	ug/Kg		11/16/20 11:57	11/17/20 13:32	1
Bromodichloromethane	5.0	U	5.0	0.67	ug/Kg		11/16/20 11:57	11/17/20 13:32	1
Cyclohexane	5.0	U	5.0	0.70	ug/Kg		11/16/20 11:57	11/17/20 13:32	1
Dibromochloromethane	5.0	U	5.0	0.64	ug/Kg		11/16/20 11:57	11/17/20 13:32	1
1,2-Dibromoethane	5.0	U	5.0	0.64	ug/Kg		11/16/20 11:57	11/17/20 13:32	1
Dichlorodifluoromethane	5.0	U	5.0	0.41	ug/Kg		11/16/20 11:57	11/17/20 13:32	1
Ethylbenzene	5.0	U	5.0	0.35	ug/Kg		11/16/20 11:57	11/17/20 13:32	1
Isopropylbenzene	5.0	U	5.0	0.75	ug/Kg		11/16/20 11:57	11/17/20 13:32	1
Methyl acetate	25	U	25	3.0	ug/Kg		11/16/20 11:57	11/17/20 13:32	1
Methyl tert-butyl ether	5.0	U	5.0	0.49	ug/Kg		11/16/20 11:57	11/17/20 13:32	1
Methylcyclohexane	5.0	U	5.0	0.76	ug/Kg		11/16/20 11:57	11/17/20 13:32	1
Methylene Chloride	5.0	U	5.0	2.3	ug/Kg		11/16/20 11:57	11/17/20 13:32	1
Tetrachloroethene	5.0	U	5.0	0.67	ug/Kg		11/16/20 11:57	11/17/20 13:32	1
Toluene	5.0	U	5.0	0.38	ug/Kg		11/16/20 11:57	11/17/20 13:32	1
trans-1,2-Dichloroethene	5.0	U	5.0	0.52	ug/Kg		11/16/20 11:57	11/17/20 13:32	1
trans-1,3-Dichloropropene	5.0	U	5.0	2.2	ug/Kg		11/16/20 11:57	11/17/20 13:32	1
Trichloroethene	5.0	U	5.0	1.1	ug/Kg		11/16/20 11:57	11/17/20 13:32	1
cis-1,3-Dichloropropene	5.0	U	5.0	0.72	ug/Kg		11/16/20 11:57	11/17/20 13:32	1
Trichlorofluoromethane	5.0	U	5.0	0.47	ug/Kg		11/16/20 11:57	11/17/20 13:32	1
Styrene	5.0	U	5.0	0.25	ug/Kg		11/16/20 11:57	11/17/20 13:32	1
Vinyl chloride	5.0	U	5.0	0.61	ug/Kg		11/16/20 11:57	11/17/20 13:32	1
Xylenes, Total	10	U	10	0.84	ug/Kg		11/16/20 11:57	11/17/20 13:32	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*104*		*64 - 126*	*11/16/20 11:57*	*11/17/20 13:32*	*1*
4-Bromofluorobenzene (Surr)	*99*		*72 - 126*	*11/16/20 11:57*	*11/17/20 13:32*	*1*
Toluene-d8 (Surr)	*99*		*71 - 125*	*11/16/20 11:57*	*11/17/20 13:32*	*1*
Dibromofluoromethane (Surr)	*104*		*60 - 140*	*11/16/20 11:57*	*11/17/20 13:32*	*1*

Lab Sample ID: LCS 480-559289/1-A
Matrix: Solid
Analysis Batch: 559476

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 559289

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	50.0	48.6		ug/Kg		97	77 - 121
1,1,2,2-Tetrachloroethane	50.0	46.9		ug/Kg		94	80 - 120
1,1,2-Trichloro-1,2,2-trifluoroethane	50.0	47.7		ug/Kg		95	60 - 140
1,1,2-Trichloroethane	50.0	45.1		ug/Kg		90	78 - 122
1,1-Dichloroethane	50.0	47.6		ug/Kg		95	73 - 126
1,1-Dichloroethene	50.0	49.5		ug/Kg		99	59 - 125

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

Lab Sample ID: LCS 480-559289/1-A
Matrix: Solid
Analysis Batch: 559476

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 559289

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2,4-Trichlorobenzene	50.0	52.1		ug/Kg		104	64 - 120
1,2-Dibromo-3-Chloropropane	50.0	47.8		ug/Kg		96	63 - 124
1,2-Dichlorobenzene	50.0	48.9		ug/Kg		98	75 - 120
1,2-Dichloroethane	50.0	47.3		ug/Kg		95	77 - 122
1,2-Dichloropropane	50.0	47.6		ug/Kg		95	75 - 124
1,3-Dichlorobenzene	50.0	49.2		ug/Kg		98	74 - 120
1,4-Dichlorobenzene	50.0	48.5		ug/Kg		97	73 - 120
2-Butanone (MEK)	250	221		ug/Kg		88	70 - 134
2-Hexanone	250	229		ug/Kg		92	59 - 130
4-Methyl-2-pentanone (MIBK)	250	227		ug/Kg		91	65 - 133
Acetone	250	226		ug/Kg		91	61 - 137
Benzene	50.0	48.4		ug/Kg		97	79 - 127
Bromoform	50.0	48.7		ug/Kg		97	68 - 126
Bromomethane	50.0	44.3		ug/Kg		89	37 - 149
Carbon disulfide	50.0	50.3		ug/Kg		101	64 - 131
Carbon tetrachloride	50.0	51.0		ug/Kg		102	75 - 135
Chlorobenzene	50.0	48.4		ug/Kg		97	76 - 124
Chloroethane	50.0	45.7		ug/Kg		91	69 - 135
Chloroform	50.0	48.1		ug/Kg		96	80 - 120
Chloromethane	50.0	46.1		ug/Kg		92	63 - 127
cis-1,2-Dichloroethene	50.0	48.6		ug/Kg		97	81 - 120
Bromodichloromethane	50.0	48.1		ug/Kg		96	80 - 122
Cyclohexane	50.0	47.8		ug/Kg		96	65 - 120
Dibromochloromethane	50.0	48.8		ug/Kg		98	76 - 125
1,2-Dibromoethane	50.0	45.2		ug/Kg		90	78 - 120
Dichlorodifluoromethane	50.0	46.9		ug/Kg		94	57 - 142
Ethylbenzene	50.0	50.1		ug/Kg		100	80 - 120
Isopropylbenzene	50.0	50.8		ug/Kg		102	72 - 120
Methyl acetate	100	90.2		ug/Kg		90	55 - 136
Methyl tert-butyl ether	50.0	48.1		ug/Kg		96	63 - 125
Methylcyclohexane	50.0	47.9		ug/Kg		96	60 - 140
Methylene Chloride	50.0	47.6		ug/Kg		95	61 - 127
Tetrachloroethene	50.0	50.3		ug/Kg		101	74 - 122
Toluene	50.0	47.3		ug/Kg		95	74 - 128
trans-1,2-Dichloroethene	50.0	49.1		ug/Kg		98	78 - 126
Trichloroethene	50.0	49.6		ug/Kg		99	77 - 129
cis-1,3-Dichloropropene	50.0	50.4		ug/Kg		101	80 - 120
Trichlorofluoromethane	50.0	46.8		ug/Kg		94	65 - 146
Styrene	50.0	48.8		ug/Kg		98	80 - 120
Vinyl chloride	50.0	46.0		ug/Kg		92	61 - 133

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*98*		*64 - 126*
4-Bromofluorobenzene (Surr)	*101*		*72 - 126*
Toluene-d8 (Surr)	*99*		*71 - 125*
Dibromofluoromethane (Surr)	*101*		*60 - 140*

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

Lab Sample ID: MB 480-559506/2-A
Matrix: Solid
Analysis Batch: 559841

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 559506

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	5.0	U	5.0	0.36	ug/Kg		11/17/20 13:39	11/19/20 00:07	1
1,1,2,2-Tetrachloroethane	5.0	U	5.0	0.81	ug/Kg		11/17/20 13:39	11/19/20 00:07	1
1,1,2-Trichloro-1,2,2-trifluoroethane	5.0	U	5.0	1.1	ug/Kg		11/17/20 13:39	11/19/20 00:07	1
1,1,2-Trichloroethane	5.0	U	5.0	0.65	ug/Kg		11/17/20 13:39	11/19/20 00:07	1
1,1-Dichloroethane	5.0	U	5.0	0.61	ug/Kg		11/17/20 13:39	11/19/20 00:07	1
1,1-Dichloroethene	5.0	U	5.0	0.61	ug/Kg		11/17/20 13:39	11/19/20 00:07	1
1,2,4-Trichlorobenzene	5.0	U	5.0	0.30	ug/Kg		11/17/20 13:39	11/19/20 00:07	1
1,2-Dibromo-3-Chloropropane	5.0	U	5.0	2.5	ug/Kg		11/17/20 13:39	11/19/20 00:07	1
1,2-Dichlorobenzene	5.0	U	5.0	0.39	ug/Kg		11/17/20 13:39	11/19/20 00:07	1
1,2-Dichloroethane	5.0	U	5.0	0.25	ug/Kg		11/17/20 13:39	11/19/20 00:07	1
1,2-Dichloropropane	5.0	U	5.0	2.5	ug/Kg		11/17/20 13:39	11/19/20 00:07	1
1,3-Dichlorobenzene	5.0	U	5.0	0.26	ug/Kg		11/17/20 13:39	11/19/20 00:07	1
1,4-Dichlorobenzene	5.0	U	5.0	0.70	ug/Kg		11/17/20 13:39	11/19/20 00:07	1
2-Butanone (MEK)	25	U	25	1.8	ug/Kg		11/17/20 13:39	11/19/20 00:07	1
2-Hexanone	25	U	25	2.5	ug/Kg		11/17/20 13:39	11/19/20 00:07	1
4-Methyl-2-pentanone (MIBK)	25	U	25	1.6	ug/Kg		11/17/20 13:39	11/19/20 00:07	1
Acetone	25	U	25	4.2	ug/Kg		11/17/20 13:39	11/19/20 00:07	1
Benzene	5.0	U	5.0	0.25	ug/Kg		11/17/20 13:39	11/19/20 00:07	1
Bromoform	5.0	U	5.0	2.5	ug/Kg		11/17/20 13:39	11/19/20 00:07	1
Bromomethane	5.0	U	5.0	0.45	ug/Kg		11/17/20 13:39	11/19/20 00:07	1
Carbon disulfide	5.0	U	5.0	2.5	ug/Kg		11/17/20 13:39	11/19/20 00:07	1
Carbon tetrachloride	5.0	U	5.0	0.48	ug/Kg		11/17/20 13:39	11/19/20 00:07	1
Chlorobenzene	5.0	U	5.0	0.66	ug/Kg		11/17/20 13:39	11/19/20 00:07	1
Chloroethane	5.0	U	5.0	1.1	ug/Kg		11/17/20 13:39	11/19/20 00:07	1
Chloroform	5.0	U	5.0	0.31	ug/Kg		11/17/20 13:39	11/19/20 00:07	1
Chloromethane	5.0	U	5.0	0.30	ug/Kg		11/17/20 13:39	11/19/20 00:07	1
cis-1,2-Dichloroethene	5.0	U	5.0	0.64	ug/Kg		11/17/20 13:39	11/19/20 00:07	1
Bromodichloromethane	5.0	U	5.0	0.67	ug/Kg		11/17/20 13:39	11/19/20 00:07	1
Cyclohexane	5.0	U	5.0	0.70	ug/Kg		11/17/20 13:39	11/19/20 00:07	1
Dibromochloromethane	5.0	U	5.0	0.64	ug/Kg		11/17/20 13:39	11/19/20 00:07	1
1,2-Dibromoethane	5.0	U	5.0	0.64	ug/Kg		11/17/20 13:39	11/19/20 00:07	1
Dichlorodifluoromethane	5.0	U	5.0	0.41	ug/Kg		11/17/20 13:39	11/19/20 00:07	1
Ethylbenzene	5.0	U	5.0	0.35	ug/Kg		11/17/20 13:39	11/19/20 00:07	1
Isopropylbenzene	5.0	U	5.0	0.75	ug/Kg		11/17/20 13:39	11/19/20 00:07	1
Methyl acetate	25	U	25	3.0	ug/Kg		11/17/20 13:39	11/19/20 00:07	1
Methyl tert-butyl ether	5.0	U	5.0	0.49	ug/Kg		11/17/20 13:39	11/19/20 00:07	1
Methylcyclohexane	5.0	U	5.0	0.76	ug/Kg		11/17/20 13:39	11/19/20 00:07	1
Methylene Chloride	3.51	J	5.0	2.3	ug/Kg		11/17/20 13:39	11/19/20 00:07	1
Tetrachloroethene	5.0	U	5.0	0.67	ug/Kg		11/17/20 13:39	11/19/20 00:07	1
Toluene	5.0	U	5.0	0.38	ug/Kg		11/17/20 13:39	11/19/20 00:07	1
trans-1,2-Dichloroethene	5.0	U	5.0	0.52	ug/Kg		11/17/20 13:39	11/19/20 00:07	1
trans-1,3-Dichloropropene	5.0	U	5.0	2.2	ug/Kg		11/17/20 13:39	11/19/20 00:07	1
Trichloroethene	5.0	U	5.0	1.1	ug/Kg		11/17/20 13:39	11/19/20 00:07	1
cis-1,3-Dichloropropene	5.0	U	5.0	0.72	ug/Kg		11/17/20 13:39	11/19/20 00:07	1
Trichlorofluoromethane	5.0	U	5.0	0.47	ug/Kg		11/17/20 13:39	11/19/20 00:07	1
Styrene	5.0	U	5.0	0.25	ug/Kg		11/17/20 13:39	11/19/20 00:07	1
Vinyl chloride	5.0	U	5.0	0.61	ug/Kg		11/17/20 13:39	11/19/20 00:07	1
Xylenes, Total	10	U	10	0.84	ug/Kg		11/17/20 13:39	11/19/20 00:07	1

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

Lab Sample ID: MB 480-559506/2-A
Matrix: Solid
Analysis Batch: 559841

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 559506

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	*102*		*64 - 126*	*11/17/20 13:39*	*11/19/20 00:07*	*1*
4-Bromofluorobenzene (Surr)	*98*		*72 - 126*	*11/17/20 13:39*	*11/19/20 00:07*	*1*
Toluene-d8 (Surr)	*99*		*71 - 125*	*11/17/20 13:39*	*11/19/20 00:07*	*1*
Dibromofluoromethane (Surr)	*119*		*60 - 140*	*11/17/20 13:39*	*11/19/20 00:07*	*1*

Lab Sample ID: LCS 480-559506/1-A
Matrix: Solid
Analysis Batch: 559841

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 559506

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	50.0	55.0		ug/Kg		110	77 - 121
1,1,2,2-Tetrachloroethane	50.0	44.5		ug/Kg		89	80 - 120
1,1,2-Trichloro-1,2,2-trifluoroethane	50.0	55.0		ug/Kg		110	60 - 140
1,1,2-Trichloroethane	50.0	46.7		ug/Kg		93	78 - 122
1,1-Dichloroethane	50.0	49.7		ug/Kg		99	73 - 126
1,1-Dichloroethene	50.0	55.6		ug/Kg		111	59 - 125
1,2,4-Trichlorobenzene	50.0	50.2		ug/Kg		100	64 - 120
1,2-Dibromo-3-Chloropropane	50.0	41.8		ug/Kg		84	63 - 124
1,2-Dichlorobenzene	50.0	51.0		ug/Kg		102	75 - 120
1,2-Dichloroethane	50.0	49.8		ug/Kg		100	77 - 122
1,2-Dichloropropane	50.0	49.5		ug/Kg		99	75 - 124
1,3-Dichlorobenzene	50.0	52.5		ug/Kg		105	74 - 120
1,4-Dichlorobenzene	50.0	51.3		ug/Kg		103	73 - 120
2-Butanone (MEK)	250	249		ug/Kg		100	70 - 134
2-Hexanone	250	236		ug/Kg		94	59 - 130
4-Methyl-2-pentanone (MIBK)	250	235		ug/Kg		94	65 - 133
Acetone	250	254		ug/Kg		102	61 - 137
Benzene	50.0	49.6		ug/Kg		99	79 - 127
Bromoform	50.0	49.7		ug/Kg		99	68 - 126
Bromomethane	50.0	53.1		ug/Kg		106	37 - 149
Carbon disulfide	50.0	50.6		ug/Kg		101	64 - 131
Carbon tetrachloride	50.0	57.5		ug/Kg		115	75 - 135
Chlorobenzene	50.0	53.9		ug/Kg		108	76 - 124
Chloroethane	50.0	52.8		ug/Kg		106	69 - 135
Chloroform	50.0	53.6		ug/Kg		107	80 - 120
Chloromethane	50.0	48.3		ug/Kg		97	63 - 127
cis-1,2-Dichloroethene	50.0	52.2		ug/Kg		104	81 - 120
Bromodichloromethane	50.0	54.0		ug/Kg		108	80 - 122
Cyclohexane	50.0	54.6		ug/Kg		109	65 - 120
Dibromochloromethane	50.0	55.0		ug/Kg		110	76 - 125
1,2-Dibromoethane	50.0	47.8		ug/Kg		96	78 - 120
Dichlorodifluoromethane	50.0	47.5		ug/Kg		95	57 - 142
Ethylbenzene	50.0	51.5		ug/Kg		103	80 - 120
Isopropylbenzene	50.0	49.5		ug/Kg		99	72 - 120
Methyl acetate	100	96.0		ug/Kg		96	55 - 136
Methyl tert-butyl ether	50.0	49.2		ug/Kg		98	63 - 125
Methylcyclohexane	50.0	55.6		ug/Kg		111	60 - 140
Methylene Chloride	50.0	55.2		ug/Kg		110	61 - 127

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

Lab Sample ID: LCS 480-559506/1-A
Matrix: Solid
Analysis Batch: 559841

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 559506

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Tetrachloroethene	50.0	53.3		ug/Kg		107	74 - 122
Toluene	50.0	49.6		ug/Kg		99	74 - 128
trans-1,2-Dichloroethene	50.0	55.1		ug/Kg		110	78 - 126
Trichloroethene	50.0	55.2		ug/Kg		110	77 - 129
cis-1,3-Dichloropropene	50.0	51.4		ug/Kg		103	80 - 120
Trichlorofluoromethane	50.0	56.7		ug/Kg		113	65 - 146
Styrene	50.0	50.8		ug/Kg		102	80 - 120
Vinyl chloride	50.0	49.0		ug/Kg		98	61 - 133

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*100*		*64 - 126*
4-Bromofluorobenzene (Surr)	*100*		*72 - 126*
Toluene-d8 (Surr)	*97*		*71 - 125*
Dibromofluoromethane (Surr)	*117*		*60 - 140*

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

Lab Sample ID: MB 480-559530/1-A
Matrix: Solid
Analysis Batch: 559708

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 559530

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	170	U	170	25	ug/Kg		11/17/20 15:12	11/19/20 05:43	1
Acenaphthylene	170	U	170	22	ug/Kg		11/17/20 15:12	11/19/20 05:43	1
Anthracene	170	U	170	42	ug/Kg		11/17/20 15:12	11/19/20 05:43	1
Benzo[a]anthracene	170	U	170	17	ug/Kg		11/17/20 15:12	11/19/20 05:43	1
Benzo[a]pyrene	170	U	170	25	ug/Kg		11/17/20 15:12	11/19/20 05:43	1
Benzo[b]fluoranthene	170	U	170	27	ug/Kg		11/17/20 15:12	11/19/20 05:43	1
Benzo[g,h,i]perylene	170	U	170	18	ug/Kg		11/17/20 15:12	11/19/20 05:43	1
Benzo[k]fluoranthene	170	U	170	22	ug/Kg		11/17/20 15:12	11/19/20 05:43	1
Chrysene	170	U	170	38	ug/Kg		11/17/20 15:12	11/19/20 05:43	1
Dibenz(a,h)anthracene	170	U	170	30	ug/Kg		11/17/20 15:12	11/19/20 05:43	1
Fluoranthene	170	U	170	18	ug/Kg		11/17/20 15:12	11/19/20 05:43	1
Fluorene	170	U	170	20	ug/Kg		11/17/20 15:12	11/19/20 05:43	1
Indeno[1,2,3-cd]pyrene	170	U	170	21	ug/Kg		11/17/20 15:12	11/19/20 05:43	1
Naphthalene	170	U	170	22	ug/Kg		11/17/20 15:12	11/19/20 05:43	1
Phenanthrene	170	U	170	25	ug/Kg		11/17/20 15:12	11/19/20 05:43	1
Pyrene	170	U	170	20	ug/Kg		11/17/20 15:12	11/19/20 05:43	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*96*		*60 - 120*	*11/17/20 15:12*	*11/19/20 05:43*	*1*
Nitrobenzene-d5 (Surr)	*72*		*53 - 120*	*11/17/20 15:12*	*11/19/20 05:43*	*1*
p-Terphenyl-d14 (Surr)	*95*		*79 - 130*	*11/17/20 15:12*	*11/19/20 05:43*	*1*

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

Lab Sample ID: LCS 480-559530/2-A
Matrix: Solid
Analysis Batch: 559708

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 559530

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Acenaphthene			1640	1430		ug/Kg		88	62 - 120		
Acenaphthylene			1640	1410		ug/Kg		86	58 - 121		
Anthracene			1640	1510		ug/Kg		93	62 - 120		
Benzo[a]anthracene			1640	1460		ug/Kg		89	65 - 120		
Benzo[a]pyrene			1640	1600		ug/Kg		97	64 - 120		
Benzo[b]fluoranthene			1640	1590		ug/Kg		97	64 - 120		
Benzo[g,h,i]perylene			1640	1660		ug/Kg		101	45 - 145		
Benzo[k]fluoranthene			1640	1490		ug/Kg		91	65 - 120		
Chrysene			1640	1450		ug/Kg		89	64 - 120		
Dibenz(a,h)anthracene			1640	1790		ug/Kg		109	54 - 132		
Fluoranthene			1640	1470		ug/Kg		90	62 - 120		
Fluorene			1640	1370		ug/Kg		83	63 - 120		
Indeno[1,2,3-cd]pyrene			1640	1680		ug/Kg		103	56 - 134		
Naphthalene			1640	1360		ug/Kg		83	55 - 120		
Phenanthrene			1640	1470		ug/Kg		90	60 - 120		
Pyrene			1640	1410		ug/Kg		86	61 - 133		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl	*93*		*60 - 120*
Nitrobenzene-d5 (Surr)	*74*		*53 - 120*
p-Terphenyl-d14 (Surr)	*97*		*79 - 130*

Lab Sample ID: 480-178044-1 MS
Matrix: Solid
Analysis Batch: 559708

Client Sample ID: B-1-11112020-1.5-2.0
Prep Type: Total/NA
Prep Batch: 559530

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Acenaphthene	200	U	1900	1650		ug/Kg	☼	87	60 - 120		
Acenaphthylene	200	U	1900	1650		ug/Kg	☼	87	58 - 121		
Anthracene	200	U	1900	1740		ug/Kg	☼	92	62 - 120		
Benzo[a]anthracene	21	J	1900	1690		ug/Kg	☼	88	65 - 120		
Benzo[a]pyrene	200	U	1900	1830		ug/Kg	☼	97	64 - 120		
Benzo[b]fluoranthene	200	U	1900	1820		ug/Kg	☼	96	10 - 150		
Benzo[g,h,i]perylene	200	U	1900	1980		ug/Kg	☼	104	45 - 145		
Benzo[k]fluoranthene	200	U	1900	1620		ug/Kg	☼	85	23 - 150		
Chrysene	200	U	1900	1690		ug/Kg	☼	89	64 - 120		
Dibenz(a,h)anthracene	200	U	1900	2060		ug/Kg	☼	109	54 - 132		
Fluoranthene	23	J	1900	1780		ug/Kg	☼	93	62 - 120		
Fluorene	200	U	1900	1650		ug/Kg	☼	87	63 - 120		
Indeno[1,2,3-cd]pyrene	200	U	1900	1960		ug/Kg	☼	104	56 - 134		
Naphthalene	200	U	1900	1590		ug/Kg	☼	84	46 - 120		
Phenanthrene	200	U	1900	1720		ug/Kg	☼	91	60 - 122		
Pyrene	200	U	1900	1520		ug/Kg	☼	80	61 - 133		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
2-Fluorobiphenyl	*90*		*60 - 120*
Nitrobenzene-d5 (Surr)	*72*		*53 - 120*
p-Terphenyl-d14 (Surr)	*91*		*79 - 130*

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

Lab Sample ID: 480-178044-1 MSD
Matrix: Solid
Analysis Batch: 559708

Client Sample ID: B-1-11112020-1.5-2.0
Prep Type: Total/NA
Prep Batch: 559530

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acenaphthene	200	U	1950	1770		ug/Kg	☼	91	60 - 120	7	35
Acenaphthylene	200	U	1950	1750		ug/Kg	☼	90	58 - 121	6	18
Anthracene	200	U	1950	1830		ug/Kg	☼	94	62 - 120	5	15
Benzo[a]anthracene	21	J	1950	1820		ug/Kg	☼	93	65 - 120	8	15
Benzo[a]pyrene	200	U	1950	1980		ug/Kg	☼	102	64 - 120	8	15
Benzo[b]fluoranthene	200	U	1950	1990		ug/Kg	☼	102	10 - 150	8	15
Benzo[g,h,i]perylene	200	U	1950	2160		ug/Kg	☼	111	45 - 145	9	15
Benzo[k]fluoranthene	200	U	1950	1770		ug/Kg	☼	91	23 - 150	9	22
Chrysene	200	U	1950	1820		ug/Kg	☼	94	64 - 120	7	15
Dibenz(a,h)anthracene	200	U	1950	2260		ug/Kg	☼	116	54 - 132	9	15
Fluoranthene	23	J	1950	1880		ug/Kg	☼	96	62 - 120	6	15
Fluorene	200	U	1950	1700		ug/Kg	☼	88	63 - 120	3	15
Indeno[1,2,3-cd]pyrene	200	U	1950	2160		ug/Kg	☼	111	56 - 134	10	15
Naphthalene	200	U	1950	1690		ug/Kg	☼	87	46 - 120	7	29
Phenanthrene	200	U	1950	1800		ug/Kg	☼	92	60 - 122	4	15
Pyrene	200	U	1950	1660		ug/Kg	☼	85	61 - 133	9	35

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
2-Fluorobiphenyl	*94*		*60 - 120*
Nitrobenzene-d5 (Surr)	*77*		*53 - 120*
p-Terphenyl-d14 (Surr)	*95*		*79 - 130*

Method: 6010C - Metals (ICP)

Lab Sample ID: MB 480-560556/1-A
Matrix: Solid
Analysis Batch: 560882

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 560556

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	0.49	U	0.49	0.20	mg/Kg		11/23/20 18:12	11/24/20 13:11	1

Lab Sample ID: LCSSRM 480-560556/2-A
Matrix: Solid
Analysis Batch: 560882

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 560556

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec. Limits
Chromium	158	133.2		mg/Kg		84.3	65.2 - 120.9

Method: 9012B - Cyanide, Total andor Amenable

Lab Sample ID: MB 480-560274/1-A
Matrix: Solid
Analysis Batch: 560423

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 560274

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	0.90	U	0.90	0.43	mg/Kg		11/20/20 21:56	11/22/20 15:24	1

Method: 9012B - Cyanide, Total andor Amenable (Continued)

Lab Sample ID: LCSSRM 480-560274/2-A
Client Sample ID: Lab Control Sample
Matrix: Solid
Prep Type: Total/NA
Analysis Batch: 560423
Prep Batch: 560274

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec. Limits
Cyanide, Total	23.1	2.65	*	mg/Kg		11.5	17.0 - 162.8

Lab Sample ID: 480-178044-4 MS
Client Sample ID: B-5-11112020-0.6-1.1
Matrix: Solid
Prep Type: Total/NA
Analysis Batch: 560423
Prep Batch: 560274

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Cyanide, Total	1.1	U F1 *	1.28	0.772	J F1	mg/Kg	☼	60	85 - 115

Lab Sample ID: MB 480-560608/1-A
Client Sample ID: Method Blank
Matrix: Solid
Prep Type: Total/NA
Analysis Batch: 560813
Prep Batch: 560608

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	0.97	U	0.97	0.47	mg/Kg		11/23/20 22:15	11/24/20 21:30	1

Lab Sample ID: LCSSRM 480-560608/2-A ^5
Client Sample ID: Lab Control Sample
Matrix: Solid
Prep Type: Total/NA
Analysis Batch: 560813
Prep Batch: 560608

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec. Limits
Cyanide, Total	23.1	17.23		mg/Kg		74.6	17.0 - 162.8

GC/MS VOA

Prep Batch: 558812

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-178044-7	B-9-11112020-0.5-1.0	Total/NA	Solid	5035A_H	
480-178044-8	B-9-11112020-20-25	Total/NA	Solid	5035A_H	
480-178044-9	B-9-11112020-9.5-10.0	Total/NA	Solid	5035A_H	
MB 480-558812/3-A	Method Blank	Total/NA	Solid	5035A_H	
LCS 480-558812/1-A	Lab Control Sample	Total/NA	Solid	5035A_H	
LCSD 480-558812/2-A	Lab Control Sample Dup	Total/NA	Solid	5035A_H	

Analysis Batch: 559102

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-178044-7	B-9-11112020-0.5-1.0	Total/NA	Solid	8260C	558812
480-178044-8	B-9-11112020-20-25	Total/NA	Solid	8260C	558812
480-178044-9	B-9-11112020-9.5-10.0	Total/NA	Solid	8260C	558812
MB 480-558812/3-A	Method Blank	Total/NA	Solid	8260C	558812
LCS 480-558812/1-A	Lab Control Sample	Total/NA	Solid	8260C	558812
LCSD 480-558812/2-A	Lab Control Sample Dup	Total/NA	Solid	8260C	558812

Prep Batch: 559289

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-178044-1	B-1-11112020-1.5-2.0	Total/NA	Solid	5035A_L	
480-178044-3	B-4-11112020-1.5-2.0	Total/NA	Solid	5035A_L	
480-178044-4	B-5-11112020-0.6-1.1	Total/NA	Solid	5035A_L	
480-178044-5	B-7-11112020-1.7-2.2	Total/NA	Solid	5035A_L	
480-178044-6	B-8-11112020-1.9-2.4	Total/NA	Solid	5035A_L	
MB 480-559289/2-A	Method Blank	Total/NA	Solid	5035A_L	
LCS 480-559289/1-A	Lab Control Sample	Total/NA	Solid	5035A_L	

Analysis Batch: 559476

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-178044-1	B-1-11112020-1.5-2.0	Total/NA	Solid	8260C	559289
480-178044-3	B-4-11112020-1.5-2.0	Total/NA	Solid	8260C	559289
480-178044-4	B-5-11112020-0.6-1.1	Total/NA	Solid	8260C	559289
480-178044-5	B-7-11112020-1.7-2.2	Total/NA	Solid	8260C	559289
480-178044-6	B-8-11112020-1.9-2.4	Total/NA	Solid	8260C	559289
MB 480-559289/2-A	Method Blank	Total/NA	Solid	8260C	559289
LCS 480-559289/1-A	Lab Control Sample	Total/NA	Solid	8260C	559289

Prep Batch: 559506

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-178044-2	B-4-11112020-0.8-1.3	Total/NA	Solid	5035A_L	
MB 480-559506/2-A	Method Blank	Total/NA	Solid	5035A_L	
LCS 480-559506/1-A	Lab Control Sample	Total/NA	Solid	5035A_L	

Analysis Batch: 559841

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-178044-2	B-4-11112020-0.8-1.3	Total/NA	Solid	8260C	559506
MB 480-559506/2-A	Method Blank	Total/NA	Solid	8260C	559506
LCS 480-559506/1-A	Lab Control Sample	Total/NA	Solid	8260C	559506

GC/MS Semi VOA

Prep Batch: 559530

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-178044-1	B-1-11112020-1.5-2.0	Total/NA	Solid	3550C	
480-178044-2	B-4-11112020-0.8-1.3	Total/NA	Solid	3550C	
480-178044-3	B-4-11112020-1.5-2.0	Total/NA	Solid	3550C	
480-178044-4	B-5-11112020-0.6-1.1	Total/NA	Solid	3550C	
480-178044-5	B-7-11112020-1.7-2.2	Total/NA	Solid	3550C	
480-178044-6	B-8-11112020-1.9-2.4	Total/NA	Solid	3550C	
480-178044-7	B-9-11112020-0.5-1.0	Total/NA	Solid	3550C	
480-178044-8	B-9-11112020-20-25	Total/NA	Solid	3550C	
480-178044-9	B-9-11112020-9.5-10.0	Total/NA	Solid	3550C	
MB 480-559530/1-A	Method Blank	Total/NA	Solid	3550C	
LCS 480-559530/2-A	Lab Control Sample	Total/NA	Solid	3550C	
480-178044-1 MS	B-1-11112020-1.5-2.0	Total/NA	Solid	3550C	
480-178044-1 MSD	B-1-11112020-1.5-2.0	Total/NA	Solid	3550C	

Analysis Batch: 559708

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-178044-1	B-1-11112020-1.5-2.0	Total/NA	Solid	8270D	559530
480-178044-2	B-4-11112020-0.8-1.3	Total/NA	Solid	8270D	559530
480-178044-3	B-4-11112020-1.5-2.0	Total/NA	Solid	8270D	559530
480-178044-4	B-5-11112020-0.6-1.1	Total/NA	Solid	8270D	559530
480-178044-5	B-7-11112020-1.7-2.2	Total/NA	Solid	8270D	559530
480-178044-6	B-8-11112020-1.9-2.4	Total/NA	Solid	8270D	559530
480-178044-7	B-9-11112020-0.5-1.0	Total/NA	Solid	8270D	559530
480-178044-8	B-9-11112020-20-25	Total/NA	Solid	8270D	559530
480-178044-9	B-9-11112020-9.5-10.0	Total/NA	Solid	8270D	559530
MB 480-559530/1-A	Method Blank	Total/NA	Solid	8270D	559530
LCS 480-559530/2-A	Lab Control Sample	Total/NA	Solid	8270D	559530
480-178044-1 MS	B-1-11112020-1.5-2.0	Total/NA	Solid	8270D	559530
480-178044-1 MSD	B-1-11112020-1.5-2.0	Total/NA	Solid	8270D	559530

Metals

Prep Batch: 560556

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-178044-1	B-1-11112020-1.5-2.0	Total/NA	Solid	3050B	
480-178044-2	B-4-11112020-0.8-1.3	Total/NA	Solid	3050B	
480-178044-3	B-4-11112020-1.5-2.0	Total/NA	Solid	3050B	
480-178044-4	B-5-11112020-0.6-1.1	Total/NA	Solid	3050B	
480-178044-5	B-7-11112020-1.7-2.2	Total/NA	Solid	3050B	
480-178044-6	B-8-11112020-1.9-2.4	Total/NA	Solid	3050B	
480-178044-7	B-9-11112020-0.5-1.0	Total/NA	Solid	3050B	
480-178044-8	B-9-11112020-20-25	Total/NA	Solid	3050B	
480-178044-9	B-9-11112020-9.5-10.0	Total/NA	Solid	3050B	
MB 480-560556/1-A	Method Blank	Total/NA	Solid	3050B	
LCSSRM 480-560556/2-A	Lab Control Sample	Total/NA	Solid	3050B	

Analysis Batch: 560882

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-178044-1	B-1-11112020-1.5-2.0	Total/NA	Solid	6010C	560556
480-178044-2	B-4-11112020-0.8-1.3	Total/NA	Solid	6010C	560556
480-178044-3	B-4-11112020-1.5-2.0	Total/NA	Solid	6010C	560556

Metals (Continued)

Analysis Batch: 560882 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-178044-4	B-5-11112020-0.6-1.1	Total/NA	Solid	6010C	560556
480-178044-5	B-7-11112020-1.7-2.2	Total/NA	Solid	6010C	560556
480-178044-6	B-8-11112020-1.9-2.4	Total/NA	Solid	6010C	560556
480-178044-7	B-9-11112020-0.5-1.0	Total/NA	Solid	6010C	560556
480-178044-8	B-9-11112020-20-25	Total/NA	Solid	6010C	560556
480-178044-9	B-9-11112020-9.5-10.0	Total/NA	Solid	6010C	560556
MB 480-560556/1-A	Method Blank	Total/NA	Solid	6010C	560556
LCSSRM 480-560556/2-A	Lab Control Sample	Total/NA	Solid	6010C	560556

General Chemistry

Analysis Batch: 558942

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-178044-2	B-4-11112020-0.8-1.3	Total/NA	Solid	Moisture	
480-178044-3	B-4-11112020-1.5-2.0	Total/NA	Solid	Moisture	
480-178044-4	B-5-11112020-0.6-1.1	Total/NA	Solid	Moisture	
480-178044-5	B-7-11112020-1.7-2.2	Total/NA	Solid	Moisture	
480-178044-6	B-8-11112020-1.9-2.4	Total/NA	Solid	Moisture	
480-178044-7	B-9-11112020-0.5-1.0	Total/NA	Solid	Moisture	
480-178044-8	B-9-11112020-20-25	Total/NA	Solid	Moisture	
480-178044-9	B-9-11112020-9.5-10.0	Total/NA	Solid	Moisture	

Analysis Batch: 560032

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-178044-1	B-1-11112020-1.5-2.0	Total/NA	Solid	Moisture	

Prep Batch: 560274

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-178044-1	B-1-11112020-1.5-2.0	Total/NA	Solid	9012B	
480-178044-2	B-4-11112020-0.8-1.3	Total/NA	Solid	9012B	
480-178044-3	B-4-11112020-1.5-2.0	Total/NA	Solid	9012B	
480-178044-4	B-5-11112020-0.6-1.1	Total/NA	Solid	9012B	
MB 480-560274/1-A	Method Blank	Total/NA	Solid	9012B	
LCSSRM 480-560274/2-A	Lab Control Sample	Total/NA	Solid	9012B	
480-178044-4 MS	B-5-11112020-0.6-1.1	Total/NA	Solid	9012B	

Analysis Batch: 560423

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-178044-1	B-1-11112020-1.5-2.0	Total/NA	Solid	9012B	560274
480-178044-2	B-4-11112020-0.8-1.3	Total/NA	Solid	9012B	560274
480-178044-3	B-4-11112020-1.5-2.0	Total/NA	Solid	9012B	560274
480-178044-4	B-5-11112020-0.6-1.1	Total/NA	Solid	9012B	560274
MB 480-560274/1-A	Method Blank	Total/NA	Solid	9012B	560274
LCSSRM 480-560274/2-A	Lab Control Sample	Total/NA	Solid	9012B	560274
480-178044-4 MS	B-5-11112020-0.6-1.1	Total/NA	Solid	9012B	560274

Prep Batch: 560608

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-178044-5	B-7-11112020-1.7-2.2	Total/NA	Solid	9012B	
480-178044-6	B-8-11112020-1.9-2.4	Total/NA	Solid	9012B	
480-178044-7	B-9-11112020-0.5-1.0	Total/NA	Solid	9012B	

General Chemistry (Continued)

Prep Batch: 560608 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-178044-8	B-9-11112020-20-25	Total/NA	Solid	9012B	
480-178044-9	B-9-11112020-9.5-10.0	Total/NA	Solid	9012B	
MB 480-560608/1-A	Method Blank	Total/NA	Solid	9012B	
LCSSRM 480-560608/2-A ^5	Lab Control Sample	Total/NA	Solid	9012B	

Analysis Batch: 560813

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-178044-5	B-7-11112020-1.7-2.2	Total/NA	Solid	9012B	560608
480-178044-6	B-8-11112020-1.9-2.4	Total/NA	Solid	9012B	560608
480-178044-7	B-9-11112020-0.5-1.0	Total/NA	Solid	9012B	560608
480-178044-8	B-9-11112020-20-25	Total/NA	Solid	9012B	560608
480-178044-9	B-9-11112020-9.5-10.0	Total/NA	Solid	9012B	560608
MB 480-560608/1-A	Method Blank	Total/NA	Solid	9012B	560608
LCSSRM 480-560608/2-A ^5	Lab Control Sample	Total/NA	Solid	9012B	560608

Lab Chronicle

Client: Parsons Corporation
Project/Site: Honeywell - Tonawanda Plastics

Job ID: 480-178044-1

Client Sample ID: B-1-11112020-1.5-2.0
Lab Sample ID: 480-178044-1
Date Collected: 11/11/20 11:15
Matrix: Solid
Date Received: 11/11/20 17:12

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	560032	11/19/20 16:57	IMZ	TAL BUF

Client Sample ID: B-1-11112020-1.5-2.0
Lab Sample ID: 480-178044-1
Date Collected: 11/11/20 11:15
Matrix: Solid
Date Received: 11/11/20 17:12
Percent Solids: 85.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_L			559289	11/12/20 13:30	WJD	TAL BUF
Total/NA	Analysis	8260C		1	559476	11/17/20 19:03	CDC	TAL BUF
Total/NA	Prep	3550C			559530	11/17/20 15:12	ATG	TAL BUF
Total/NA	Analysis	8270D		1	559708	11/19/20 07:23	JMM	TAL BUF
Total/NA	Prep	3050B			560556	11/23/20 18:12	ADM	TAL BUF
Total/NA	Analysis	6010C		1	560882	11/24/20 13:52	LMH	TAL BUF
Total/NA	Prep	9012B			560274	11/20/20 21:56	ALT	TAL BUF
Total/NA	Analysis	9012B		1	560423	11/22/20 15:52	ALT	TAL BUF

Client Sample ID: B-4-11112020-0.8-1.3
Lab Sample ID: 480-178044-2
Date Collected: 11/11/20 12:10
Matrix: Solid
Date Received: 11/11/20 17:12

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	558942	11/13/20 09:34	IMZ	TAL BUF

Client Sample ID: B-4-11112020-0.8-1.3
Lab Sample ID: 480-178044-2
Date Collected: 11/11/20 12:10
Matrix: Solid
Date Received: 11/11/20 17:12
Percent Solids: 96.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_L			559506	11/12/20 13:30	WJD	TAL BUF
Total/NA	Analysis	8260C		1	559841	11/19/20 00:32	WJD	TAL BUF
Total/NA	Prep	3550C			559530	11/17/20 15:12	ATG	TAL BUF
Total/NA	Analysis	8270D		1	559708	11/19/20 12:24	JMM	TAL BUF
Total/NA	Prep	3050B			560556	11/23/20 18:12	ADM	TAL BUF
Total/NA	Analysis	6010C		1	560882	11/24/20 13:56	LMH	TAL BUF
Total/NA	Prep	9012B			560274	11/20/20 21:56	ALT	TAL BUF
Total/NA	Analysis	9012B		1	560423	11/22/20 15:53	ALT	TAL BUF

Client Sample ID: B-4-11112020-1.5-2.0
Lab Sample ID: 480-178044-3
Date Collected: 11/11/20 12:20
Matrix: Solid
Date Received: 11/11/20 17:12

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	558942	11/13/20 09:34	IMZ	TAL BUF

Client Sample ID: B-4-11112020-1.5-2.0
Lab Sample ID: 480-178044-3

Date Collected: 11/11/20 12:20
Matrix: Solid
Date Received: 11/11/20 17:12
Percent Solids: 85.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_L			559289	11/12/20 13:30	WJD	TAL BUF
Total/NA	Analysis	8260C		1	559476	11/17/20 19:52	CDC	TAL BUF
Total/NA	Prep	3550C			559530	11/17/20 15:12	ATG	TAL BUF
Total/NA	Analysis	8270D		1	559708	11/19/20 12:49	JMM	TAL BUF
Total/NA	Prep	3050B			560556	11/23/20 18:12	ADM	TAL BUF
Total/NA	Analysis	6010C		1	560882	11/24/20 14:00	LMH	TAL BUF
Total/NA	Prep	9012B			560274	11/20/20 21:56	ALT	TAL BUF
Total/NA	Analysis	9012B		1	560423	11/22/20 15:55	ALT	TAL BUF

Client Sample ID: B-5-11112020-0.6-1.1
Lab Sample ID: 480-178044-4

Date Collected: 11/11/20 13:20
Matrix: Solid
Date Received: 11/11/20 17:12

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	558942	11/13/20 09:34	IMZ	TAL BUF

Client Sample ID: B-5-11112020-0.6-1.1
Lab Sample ID: 480-178044-4

Date Collected: 11/11/20 13:20
Matrix: Solid
Date Received: 11/11/20 17:12
Percent Solids: 86.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_L			559289	11/12/20 13:30	WJD	TAL BUF
Total/NA	Analysis	8260C		1	559476	11/17/20 20:16	CDC	TAL BUF
Total/NA	Prep	3550C			559530	11/17/20 15:12	ATG	TAL BUF
Total/NA	Analysis	8270D		1	559708	11/19/20 13:14	JMM	TAL BUF
Total/NA	Prep	3050B			560556	11/23/20 18:12	ADM	TAL BUF
Total/NA	Analysis	6010C		1	560882	11/24/20 14:04	LMH	TAL BUF
Total/NA	Prep	9012B			560274	11/20/20 21:56	ALT	TAL BUF
Total/NA	Analysis	9012B		1	560423	11/22/20 15:59	ALT	TAL BUF

Client Sample ID: B-7-11112020-1.7-2.2
Lab Sample ID: 480-178044-5

Date Collected: 11/11/20 13:40
Matrix: Solid
Date Received: 11/11/20 17:12

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	558942	11/13/20 09:34	IMZ	TAL BUF

Client Sample ID: B-7-11112020-1.7-2.2
Lab Sample ID: 480-178044-5

Date Collected: 11/11/20 13:40
Matrix: Solid
Date Received: 11/11/20 17:12
Percent Solids: 86.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_L			559289	11/12/20 13:30	WJD	TAL BUF
Total/NA	Analysis	8260C		1	559476	11/17/20 20:41	CDC	TAL BUF
Total/NA	Prep	3550C			559530	11/17/20 15:12	ATG	TAL BUF
Total/NA	Analysis	8270D		1	559708	11/19/20 13:40	JMM	TAL BUF

Client Sample ID: B-7-11112020-1.7-2.2
Lab Sample ID: 480-178044-5

Date Collected: 11/11/20 13:40
Matrix: Solid
Date Received: 11/11/20 17:12
Percent Solids: 86.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			560556	11/23/20 18:12	ADM	TAL BUF
Total/NA	Analysis	6010C		1	560882	11/24/20 14:08	LMH	TAL BUF
Total/NA	Prep	9012B			560608	11/23/20 22:15	ALT	TAL BUF
Total/NA	Analysis	9012B		1	560813	11/24/20 21:38	ALT	TAL BUF

Client Sample ID: B-8-11112020-1.9-2.4
Lab Sample ID: 480-178044-6

Date Collected: 11/11/20 14:30
Matrix: Solid
Date Received: 11/11/20 17:12

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	558942	11/13/20 09:34	IMZ	TAL BUF

Client Sample ID: B-8-11112020-1.9-2.4
Lab Sample ID: 480-178044-6

Date Collected: 11/11/20 14:30
Matrix: Solid
Date Received: 11/11/20 17:12
Percent Solids: 86.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_L			559289	11/12/20 13:30	WJD	TAL BUF
Total/NA	Analysis	8260C		1	559476	11/17/20 21:06	CDC	TAL BUF
Total/NA	Prep	3550C			559530	11/17/20 15:12	ATG	TAL BUF
Total/NA	Analysis	8270D		1	559708	11/19/20 14:05	JMM	TAL BUF
Total/NA	Prep	3050B			560556	11/23/20 18:12	ADM	TAL BUF
Total/NA	Analysis	6010C		1	560882	11/24/20 14:12	LMH	TAL BUF
Total/NA	Prep	9012B			560608	11/23/20 22:15	ALT	TAL BUF
Total/NA	Analysis	9012B		1	560813	11/24/20 21:39	ALT	TAL BUF

Client Sample ID: B-9-11112020-0.5-1.0
Lab Sample ID: 480-178044-7

Date Collected: 11/11/20 15:00
Matrix: Solid
Date Received: 11/11/20 17:12

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	558942	11/13/20 09:34	IMZ	TAL BUF

Client Sample ID: B-9-11112020-0.5-1.0
Lab Sample ID: 480-178044-7

Date Collected: 11/11/20 15:00
Matrix: Solid
Date Received: 11/11/20 17:12
Percent Solids: 77.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_H			558812	11/12/20 15:10	WJD	TAL BUF
Total/NA	Analysis	8260C		25	559102	11/15/20 05:08	LCH	TAL BUF
Total/NA	Prep	3550C			559530	11/17/20 15:12	ATG	TAL BUF
Total/NA	Analysis	8270D		5	559708	11/19/20 14:31	JMM	TAL BUF
Total/NA	Prep	3050B			560556	11/23/20 18:12	ADM	TAL BUF
Total/NA	Analysis	6010C		1	560882	11/24/20 14:16	LMH	TAL BUF
Total/NA	Prep	9012B			560608	11/23/20 22:15	ALT	TAL BUF
Total/NA	Analysis	9012B		1	560813	11/24/20 21:41	ALT	TAL BUF

Lab Chronicle

Client: Parsons Corporation
Project/Site: Honeywell - Tonawanda Plastics

Job ID: 480-178044-1

Client Sample ID: B-9-11112020-20-25

Lab Sample ID: 480-178044-8

Date Collected: 11/11/20 15:10
Date Received: 11/11/20 17:12

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	558942	11/13/20 09:52	IMZ	TAL BUF

Client Sample ID: B-9-11112020-20-25

Lab Sample ID: 480-178044-8

Date Collected: 11/11/20 15:10
Date Received: 11/11/20 17:12

Matrix: Solid
Percent Solids: 85.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_H			558812	11/12/20 15:10	WJD	TAL BUF
Total/NA	Analysis	8260C		50	559102	11/15/20 05:31	LCH	TAL BUF
Total/NA	Prep	3550C			559530	11/17/20 15:12	ATG	TAL BUF
Total/NA	Analysis	8270D		1	559708	11/19/20 14:56	JMM	TAL BUF
Total/NA	Prep	3050B			560556	11/23/20 18:12	ADM	TAL BUF
Total/NA	Analysis	6010C		1	560882	11/24/20 14:20	LMH	TAL BUF
Total/NA	Prep	9012B			560608	11/23/20 22:15	ALT	TAL BUF
Total/NA	Analysis	9012B		1	560813	11/24/20 21:42	ALT	TAL BUF

Client Sample ID: B-9-11112020-9.5-10.0

Lab Sample ID: 480-178044-9

Date Collected: 11/11/20 15:30
Date Received: 11/11/20 17:12

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	558942	11/13/20 09:52	IMZ	TAL BUF

Client Sample ID: B-9-11112020-9.5-10.0

Lab Sample ID: 480-178044-9

Date Collected: 11/11/20 15:30
Date Received: 11/11/20 17:12

Matrix: Solid
Percent Solids: 84.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_H			558812	11/12/20 15:10	WJD	TAL BUF
Total/NA	Analysis	8260C		50	559102	11/15/20 05:54	LCH	TAL BUF
Total/NA	Prep	3550C			559530	11/17/20 15:12	ATG	TAL BUF
Total/NA	Analysis	8270D		1	559708	11/19/20 15:21	JMM	TAL BUF
Total/NA	Prep	3050B			560556	11/23/20 18:12	ADM	TAL BUF
Total/NA	Analysis	6010C		1	560882	11/24/20 14:35	LMH	TAL BUF
Total/NA	Prep	9012B			560608	11/23/20 22:15	ALT	TAL BUF
Total/NA	Analysis	9012B		1	560813	11/24/20 21:43	ALT	TAL BUF

Laboratory References:

TAL BUF = Eurofins TestAmerica, Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Accreditation/Certification Summary

Client: Parsons Corporation
Job ID: 480-178044-1
Project/Site: Honeywell - Tonawanda Plastics

Laboratory: Eurofins TestAmerica, Buffalo

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

Authority	Program	Identification Number	Expiration Date
New York	NELAP	10026	04-01-21

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
Moisture		Solid	Percent Moisture
Moisture		Solid	Percent Solids

Method Summary

Client: Parsons Corporation
Job ID: 480-178044-1
Project/Site: Honeywell - Tonawanda Plastics

Method	Method Description	Protocol	Laboratory
8260C	Volatile Organic Compounds by GC/MS	SW846	TAL BUF
8270D	Semivolatile Organic Compounds (GC/MS)	SW846	TAL BUF
6010C	Metals (ICP)	SW846	TAL BUF
9012B	Cyanide, Total andor Amenable	SW846	TAL BUF
Moisture	Percent Moisture	EPA	TAL BUF
3050B	Preparation, Metals	SW846	TAL BUF
3550C	Ultrasonic Extraction	SW846	TAL BUF
5035A_H	Closed System Purge and Trap	SW846	TAL BUF
5035A_L	Closed System Purge and Trap	SW846	TAL BUF
9012B	Cyanide, Total and/or Amenable, Distillation	SW846	TAL BUF

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 BUF = Eurofins TestAmerica, Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Sample Summary

Client: Parsons Corporation
Job ID: 480-178044-1
Project/Site: Honeywell - Tonawanda Plastics

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
480-178044-1	B-1-11112020-1.5-2.0	Solid	11/11/20 11:15	11/11/20 17:12	
480-178044-2	B-4-11112020-0.8-1.3	Solid	11/11/20 12:10	11/11/20 17:12	
480-178044-3	B-4-11112020-1.5-2.0	Solid	11/11/20 12:20	11/11/20 17:12	
480-178044-4	B-5-11112020-0.6-1.1	Solid	11/11/20 13:20	11/11/20 17:12	
480-178044-5	B-7-11112020-1.7-2.2	Solid	11/11/20 13:40	11/11/20 17:12	
480-178044-6	B-8-11112020-1.9-2.4	Solid	11/11/20 14:30	11/11/20 17:12	
480-178044-7	B-9-11112020-0.5-1.0	Solid	11/11/20 15:00	11/11/20 17:12	
480-178044-8	B-9-11112020-20-25	Solid	11/11/20 15:10	11/11/20 17:12	
480-178044-9	B-9-11112020-9.5-10.0	Solid	11/11/20 15:30	11/11/20 17:12	

Eurofins TestAmerica, Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Phone: 716-691-2600 Fax: 716-691-7991

Chain of Custody Record

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Client Information	Sampler: DAN CHAMBERLAND	Lab PM: Schove, John R	Carrier Tracking No(s):	COC No: 480-152727-33964.1
Client Contact: Mr. Jeff Poulsen	Phone: 716-289-0169	E-Mail: John.Schove@Eurofinset.com		Page: Page 1 of 1
Company: Parsons Corporation				Job #:
Address: 180 Lawrence Bell Drive Suite 104	Due Date Requested:			
City: Williamsville	TAT Requested (days): STANDARD			
State, Zip: NY, 14221				
Phone:	PO #: Purchase Order Requested			
Email: jeffrey.poulsen@parsons.com	WO #:			
Project Name: Honeywell - Tonawanda Plastics	Project #: 48023001			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:
A - HCL; B - NaOH; C - Zn Acetate; D - Nitric Acid; E - NaHSO4; F - MeOH; Amchlor; Acid
M - Hexane; N - None; O - AsNaO2; P - Na2O4S; Q - Na2SO3; R - Na2S2O3; S - H2SO4; T - TSP Dodecahydrate; Acetone; MCAA; pH 4-5; other (specify)

480-178044 Chain of Custody

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - TCL VOCs	6010C, 9012B	8270D - PAH Semivolatiles	Total Number	Special Instructions/Note:
			Preservation Code:				N	N	N		
B-1_11112020-1.5-2.0	11/11/2020	11:15	G	Solid			X	X	X		
B-4_11112020-0.8-1.3	11/11/2020	12:10	G	Solid			X	X	X		
B-4_11112020-1.5-2.0	11/11/2020	12:20	G	Solid			X	X	X		
B-5_11112020-0.6-1.1	11/11/2020	13:20	G	Solid			X	X	X		
B-7_11112020-1.7-2.2	11/11/2020	13:40	G	Solid			X	X	X		
B-8_11112020-1.9-2.4	11/11/2020	14:30	G	Solid			X	X	X		
B-9_11112020-0.5-1.0	11/11/2020	15:00	G	Solid			X	X	X		
B-9_11112020-2.0-2.5	11/11/2020	15:10	G	Solid			X	X	X		
B-9_11112020-9.5-10.0	11/11/2020	15:30	G	Solid			X	X	X		
				Solid							
				Solid							

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For ______ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:		
Relinquished by: [signature]	Date/Time: 11/11/2020 17:12	Company: PARSONS	Received by: [signature]	Date/Time: 11/11/20 1772	Company: TA
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:		Cooler Temperature(s) °C and Other Remarks: #1 2.7		

Ver: 01/16/2019

Login Sample Receipt Checklist

Client: Parsons Corporation

Job Number: 480-178044-1

Login Number: 178044

List Source: Eurofins TestAmerica, Buffalo

List Number: 1

Creator: Wallace, Cameron

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	FREEZE TIME 11/12/20 1330
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	
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	True	
Chlorine Residual checked.	N/A	

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ANALYTICAL REPORT

Eurofins TestAmerica, Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Tel: (716)691-2600

Laboratory Job ID: 480-179236-1
Client Project/Site: Honeywell - Tonawanda Plastics

For:
Parsons Corporation
180 Lawrence Bell Drive
Suite 104
Williamsville, New York 14221

Attn: Mr. Jeff Poulsen

Authorized for release by:
12/24/2020 1:33:16 PM
Rebecca Jones, Project Management Assistant I
Rebecca.Jones@Eurofinset.com

Designee for

John Schove, Project Manager II
(716)504-9838
John.Schove@Eurofinset.com

LINKS

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Table of Contents

Definitions/Glossary

Client: Parsons Corporation
Job ID: 480-179236-1
Project/Site: Honeywell - Tonawanda Plastics

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*	LCS or LCSD is outside acceptance limits.
F1	MS and/or MSD recovery exceeds control limits.
F2	MS/MSD RPD exceeds control limits
U	Indicates the analyte was analyzed for but not detected.

GC/MS Semi VOA

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.

Metals

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.

General Chemistry

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

Glossary

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

Job ID: 480-179236-1

Laboratory: Eurofins TestAmerica, Buffalo

Narrative

Job Narrative
480-179236-1

Comments
No additional comments.

Receipt
The samples were received on 12/10/2020 1:00 PM; the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 2.2º C.

GC/MS VOA
Method 8260C: The continuing calibration verification (CCV) associated with batch 480-563012 recovered above the upper control limit for Carbon tetrachloride and Dibromochloromethane. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated samples are impacted: MW-14_12102020 (480-179236-1) and MW-140_12102020 (480-179236-2).

Method 8260C: The laboratory control sample (LCS) for analytical batch 480-563012 recovered outside control limits for the following analyte: 1,2-Dibromo-3-Chloropropane. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported.

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

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

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

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

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

Detection Summary

Client: Parsons Corporation
Job ID: 480-179236-1
Project/Site: Honeywell - Tonawanda Plastics

Client Sample ID: MW-14_12102020 — Lab Sample ID: 480-179236-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chromium	0.0094		0.0040	0.0010	mg/L	1		6010C	Total/NA

Client Sample ID: MW-140_12102020 — Lab Sample ID: 480-179236-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chromium	0.0069		0.0040	0.0010	mg/L	1		6010C	Total/NA
Cyanide, Total	0.0050	J F1	0.010	0.0050	mg/L	1		9012B	Total/NA

This Detection Summary does not include radiochemical test results.

Client: Parsons Corporation
Job ID: 480-179236-1
Project/Site: Honeywell - Tonawanda Plastics

Client Sample ID: MW-14_12102020
Lab Sample ID: 480-179236-1
Date Collected: 12/10/20 10:45
Matrix: Water
Date Received: 12/10/20 13:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	1.0	U F1	1.0	0.82	ug/L			12/12/20 16:49	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.21	ug/L			12/12/20 16:49	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U F2	1.0	0.31	ug/L			12/12/20 16:49	1
1,1,2-Trichloroethane	1.0	U	1.0	0.23	ug/L			12/12/20 16:49	1
1,1-Dichloroethane	1.0	U F1	1.0	0.38	ug/L			12/12/20 16:49	1
1,1-Dichloroethene	1.0	U F1 F2	1.0	0.29	ug/L			12/12/20 16:49	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.41	ug/L			12/12/20 16:49	1
1,2-Dibromo-3-Chloropropane	1.0	U * F1	1.0	0.39	ug/L			12/12/20 16:49	1
1,2-Dibromoethane	1.0	U F1	1.0	0.73	ug/L			12/12/20 16:49	1
1,2-Dichlorobenzene	1.0	U	1.0	0.79	ug/L			12/12/20 16:49	1
1,2-Dichloroethane	1.0	U	1.0	0.21	ug/L			12/12/20 16:49	1
1,2-Dichloropropane	1.0	U F1	1.0	0.72	ug/L			12/12/20 16:49	1
1,3-Dichlorobenzene	1.0	U F1	1.0	0.78	ug/L			12/12/20 16:49	1
1,4-Dichlorobenzene	1.0	U	1.0	0.84	ug/L			12/12/20 16:49	1
2-Butanone (MEK)	10	U	10	1.3	ug/L			12/12/20 16:49	1
2-Hexanone	5.0	U	5.0	1.2	ug/L			12/12/20 16:49	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	2.1	ug/L			12/12/20 16:49	1
Acetone	10	U	10	3.0	ug/L			12/12/20 16:49	1
Benzene	1.0	U F1 F2	1.0	0.41	ug/L			12/12/20 16:49	1
Bromodichloromethane	1.0	U F1	1.0	0.39	ug/L			12/12/20 16:49	1
Bromoform	1.0	U F1	1.0	0.26	ug/L			12/12/20 16:49	1
Bromomethane	1.0	U	1.0	0.69	ug/L			12/12/20 16:49	1
Carbon disulfide	1.0	U F2	1.0	0.19	ug/L			12/12/20 16:49	1
Carbon tetrachloride	1.0	U F1	1.0	0.27	ug/L			12/12/20 16:49	1
Chlorobenzene	1.0	U	1.0	0.75	ug/L			12/12/20 16:49	1
Chloroethane	1.0	U	1.0	0.32	ug/L			12/12/20 16:49	1
Chloroform	1.0	U	1.0	0.34	ug/L			12/12/20 16:49	1
Chloromethane	1.0	U	1.0	0.35	ug/L			12/12/20 16:49	1
cis-1,2-Dichloroethene	1.0	U F1	1.0	0.81	ug/L			12/12/20 16:49	1
cis-1,3-Dichloropropene	1.0	U F1	1.0	0.36	ug/L			12/12/20 16:49	1
Cyclohexane	1.0	U	1.0	0.18	ug/L			12/12/20 16:49	1
Dibromochloromethane	1.0	U F1	1.0	0.32	ug/L			12/12/20 16:49	1
Dichlorodifluoromethane	1.0	U	1.0	0.68	ug/L			12/12/20 16:49	1
Ethylbenzene	1.0	U F1	1.0	0.74	ug/L			12/12/20 16:49	1
Isopropylbenzene	1.0	U F1	1.0	0.79	ug/L			12/12/20 16:49	1
Methyl acetate	2.5	U	2.5	1.3	ug/L			12/12/20 16:49	1
Methyl tert-butyl ether	1.0	U	1.0	0.16	ug/L			12/12/20 16:49	1
Methylcyclohexane	1.0	U	1.0	0.16	ug/L			12/12/20 16:49	1
Methylene Chloride	1.0	U F1	1.0	0.44	ug/L			12/12/20 16:49	1
Styrene	1.0	U F1	1.0	0.73	ug/L			12/12/20 16:49	1
Tetrachloroethene	1.0	U F1	1.0	0.36	ug/L			12/12/20 16:49	1
Toluene	1.0	U	1.0	0.51	ug/L			12/12/20 16:49	1
trans-1,2-Dichloroethene	1.0	U F1 F2	1.0	0.90	ug/L			12/12/20 16:49	1
trans-1,3-Dichloropropene	1.0	U F1	1.0	0.37	ug/L			12/12/20 16:49	1
Trichloroethene	1.0	U F1	1.0	0.46	ug/L			12/12/20 16:49	1
Trichlorofluoromethane	1.0	U	1.0	0.88	ug/L			12/12/20 16:49	1
Vinyl chloride	1.0	U	1.0	0.90	ug/L			12/12/20 16:49	1
Xylenes, Total	2.0	U F1	2.0	0.66	ug/L			12/12/20 16:49	1

Client Sample ID: MW-14_12102020
Lab Sample ID: 480-179236-1
Date Collected: 12/10/20 10:45
Matrix: Water
Date Received: 12/10/20 13:00

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*105*		*77 - 120*		*12/12/20 16:49*	*1*
4-Bromofluorobenzene (Surr)	*108*		*73 - 120*		*12/12/20 16:49*	*1*
Dibromofluoromethane (Surr)	*109*		*75 - 123*		*12/12/20 16:49*	*1*
Toluene-d8 (Surr)	*102*		*80 - 120*		*12/12/20 16:49*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	5.0	U	5.0	0.41	ug/L		12/15/20 14:54	12/17/20 13:39	1
Acenaphthylene	5.0	U	5.0	0.38	ug/L		12/15/20 14:54	12/17/20 13:39	1
Anthracene	5.0	U	5.0	0.28	ug/L		12/15/20 14:54	12/17/20 13:39	1
Benzo[a]anthracene	5.0	U	5.0	0.36	ug/L		12/15/20 14:54	12/17/20 13:39	1
Benzo[a]pyrene	5.0	U	5.0	0.47	ug/L		12/15/20 14:54	12/17/20 13:39	1
Benzo[b]fluoranthene	5.0	U	5.0	0.34	ug/L		12/15/20 14:54	12/17/20 13:39	1
Benzo[g,h,i]perylene	5.0	U	5.0	0.35	ug/L		12/15/20 14:54	12/17/20 13:39	1
Benzo[k]fluoranthene	5.0	U	5.0	0.73	ug/L		12/15/20 14:54	12/17/20 13:39	1
Chrysene	5.0	U	5.0	0.33	ug/L		12/15/20 14:54	12/17/20 13:39	1
Dibenz(a,h)anthracene	5.0	U	5.0	0.42	ug/L		12/15/20 14:54	12/17/20 13:39	1
Fluoranthene	5.0	U	5.0	0.40	ug/L		12/15/20 14:54	12/17/20 13:39	1
Fluorene	5.0	U	5.0	0.36	ug/L		12/15/20 14:54	12/17/20 13:39	1
Indeno[1,2,3-cd]pyrene	5.0	U	5.0	0.47	ug/L		12/15/20 14:54	12/17/20 13:39	1
Naphthalene	5.0	U	5.0	0.76	ug/L		12/15/20 14:54	12/17/20 13:39	1
Phenanthrene	5.0	U	5.0	0.44	ug/L		12/15/20 14:54	12/17/20 13:39	1
Pyrene	5.0	U	5.0	0.34	ug/L		12/15/20 14:54	12/17/20 13:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*98*		*48 - 120*	*12/15/20 14:54*	*12/17/20 13:39*	*1*
Nitrobenzene-d5 (Surr)	*97*		*46 - 120*	*12/15/20 14:54*	*12/17/20 13:39*	*1*
p-Terphenyl-d14 (Surr)	*94*		*60 - 148*	*12/15/20 14:54*	*12/17/20 13:39*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	**0.0094**		0.0040	0.0010	mg/L		12/14/20 10:39	12/14/20 20:10	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	0.010	U F1	0.010	0.0050	mg/L		12/11/20 19:25	12/12/20 12:23	1

Client: Parsons Corporation
Job ID: 480-179236-1
Project/Site: Honeywell - Tonawanda Plastics

Client Sample ID: MW-140_12102020
Lab Sample ID: 480-179236-2
Date Collected: 12/10/20 12:01
Matrix: Water
Date Received: 12/10/20 13:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	1.0	U	1.0	0.82	ug/L			12/12/20 17:13	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.21	ug/L			12/12/20 17:13	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31	ug/L			12/12/20 17:13	1
1,1,2-Trichloroethane	1.0	U	1.0	0.23	ug/L			12/12/20 17:13	1
1,1-Dichloroethane	1.0	U	1.0	0.38	ug/L			12/12/20 17:13	1
1,1-Dichloroethene	1.0	U	1.0	0.29	ug/L			12/12/20 17:13	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.41	ug/L			12/12/20 17:13	1
1,2-Dibromo-3-Chloropropane	1.0	U *	1.0	0.39	ug/L			12/12/20 17:13	1
1,2-Dibromoethane	1.0	U	1.0	0.73	ug/L			12/12/20 17:13	1
1,2-Dichlorobenzene	1.0	U	1.0	0.79	ug/L			12/12/20 17:13	1
1,2-Dichloroethane	1.0	U	1.0	0.21	ug/L			12/12/20 17:13	1
1,2-Dichloropropane	1.0	U	1.0	0.72	ug/L			12/12/20 17:13	1
1,3-Dichlorobenzene	1.0	U	1.0	0.78	ug/L			12/12/20 17:13	1
1,4-Dichlorobenzene	1.0	U	1.0	0.84	ug/L			12/12/20 17:13	1
2-Butanone (MEK)	10	U	10	1.3	ug/L			12/12/20 17:13	1
2-Hexanone	5.0	U	5.0	1.2	ug/L			12/12/20 17:13	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	2.1	ug/L			12/12/20 17:13	1
Acetone	10	U	10	3.0	ug/L			12/12/20 17:13	1
Benzene	1.0	U	1.0	0.41	ug/L			12/12/20 17:13	1
Bromodichloromethane	1.0	U	1.0	0.39	ug/L			12/12/20 17:13	1
Bromoform	1.0	U	1.0	0.26	ug/L			12/12/20 17:13	1
Bromomethane	1.0	U	1.0	0.69	ug/L			12/12/20 17:13	1
Carbon disulfide	1.0	U	1.0	0.19	ug/L			12/12/20 17:13	1
Carbon tetrachloride	1.0	U	1.0	0.27	ug/L			12/12/20 17:13	1
Chlorobenzene	1.0	U	1.0	0.75	ug/L			12/12/20 17:13	1
Chloroethane	1.0	U	1.0	0.32	ug/L			12/12/20 17:13	1
Chloroform	1.0	U	1.0	0.34	ug/L			12/12/20 17:13	1
Chloromethane	1.0	U	1.0	0.35	ug/L			12/12/20 17:13	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.81	ug/L			12/12/20 17:13	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.36	ug/L			12/12/20 17:13	1
Cyclohexane	1.0	U	1.0	0.18	ug/L			12/12/20 17:13	1
Dibromochloromethane	1.0	U	1.0	0.32	ug/L			12/12/20 17:13	1
Dichlorodifluoromethane	1.0	U	1.0	0.68	ug/L			12/12/20 17:13	1
Ethylbenzene	1.0	U	1.0	0.74	ug/L			12/12/20 17:13	1
Isopropylbenzene	1.0	U	1.0	0.79	ug/L			12/12/20 17:13	1
Methyl acetate	2.5	U	2.5	1.3	ug/L			12/12/20 17:13	1
Methyl tert-butyl ether	1.0	U	1.0	0.16	ug/L			12/12/20 17:13	1
Methylcyclohexane	1.0	U	1.0	0.16	ug/L			12/12/20 17:13	1
Methylene Chloride	1.0	U	1.0	0.44	ug/L			12/12/20 17:13	1
Styrene	1.0	U	1.0	0.73	ug/L			12/12/20 17:13	1
Tetrachloroethene	1.0	U	1.0	0.36	ug/L			12/12/20 17:13	1
Toluene	1.0	U	1.0	0.51	ug/L			12/12/20 17:13	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.90	ug/L			12/12/20 17:13	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.37	ug/L			12/12/20 17:13	1
Trichloroethene	1.0	U	1.0	0.46	ug/L			12/12/20 17:13	1
Trichlorofluoromethane	1.0	U	1.0	0.88	ug/L			12/12/20 17:13	1
Vinyl chloride	1.0	U	1.0	0.90	ug/L			12/12/20 17:13	1
Xylenes, Total	2.0	U	2.0	0.66	ug/L			12/12/20 17:13	1

Client: Parsons Corporation
Job ID: 480-179236-1
Project/Site: Honeywell - Tonawanda Plastics

Client Sample ID: MW-140_12102020
Lab Sample ID: 480-179236-2

Date Collected: 12/10/20 12:01
Matrix: Water
Date Received: 12/10/20 13:00

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*106*		*77 - 120*		*12/12/20 17:13*	*1*
4-Bromofluorobenzene (Surr)	*110*		*73 - 120*		*12/12/20 17:13*	*1*
Dibromofluoromethane (Surr)	*109*		*75 - 123*		*12/12/20 17:13*	*1*
Toluene-d8 (Surr)	*103*		*80 - 120*		*12/12/20 17:13*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	5.2	U	5.2	0.43	ug/L		12/11/20 08:59	12/15/20 01:32	1
Acenaphthylene	5.2	U	5.2	0.40	ug/L		12/11/20 08:59	12/15/20 01:32	1
Anthracene	5.2	U	5.2	0.29	ug/L		12/11/20 08:59	12/15/20 01:32	1
Benzo[a]anthracene	5.2	U	5.2	0.38	ug/L		12/11/20 08:59	12/15/20 01:32	1
Benzo[a]pyrene	5.2	U	5.2	0.49	ug/L		12/11/20 08:59	12/15/20 01:32	1
Benzo[b]fluoranthene	5.2	U	5.2	0.35	ug/L		12/11/20 08:59	12/15/20 01:32	1
Benzo[g,h,i]perylene	5.2	U	5.2	0.36	ug/L		12/11/20 08:59	12/15/20 01:32	1
Benzo[k]fluoranthene	5.2	U	5.2	0.76	ug/L		12/11/20 08:59	12/15/20 01:32	1
Chrysene	5.2	U	5.2	0.34	ug/L		12/11/20 08:59	12/15/20 01:32	1
Dibenz(a,h)anthracene	5.2	U	5.2	0.44	ug/L		12/11/20 08:59	12/15/20 01:32	1
Fluoranthene	5.2	U	5.2	0.42	ug/L		12/11/20 08:59	12/15/20 01:32	1
Fluorene	5.2	U	5.2	0.38	ug/L		12/11/20 08:59	12/15/20 01:32	1
Indeno[1,2,3-cd]pyrene	5.2	U	5.2	0.49	ug/L		12/11/20 08:59	12/15/20 01:32	1
Naphthalene	5.2	U	5.2	0.79	ug/L		12/11/20 08:59	12/15/20 01:32	1
Phenanthrene	5.2	U	5.2	0.46	ug/L		12/11/20 08:59	12/15/20 01:32	1
Pyrene	5.2	U	5.2	0.35	ug/L		12/11/20 08:59	12/15/20 01:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*115*		*48 - 120*	*12/11/20 08:59*	*12/15/20 01:32*	*1*
Nitrobenzene-d5 (Surr)	*114*		*46 - 120*	*12/11/20 08:59*	*12/15/20 01:32*	*1*
p-Terphenyl-d14 (Surr)	*106*		*60 - 148*	*12/11/20 08:59*	*12/15/20 01:32*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	**0.0069**		0.0040	0.0010	mg/L		12/14/20 10:39	12/14/20 20:39	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	**0.0050**	**J F1**	0.010	0.0050	mg/L		12/11/20 19:21	12/12/20 12:04	1

Surrogate Summary

Client: Parsons Corporation
Project/Site: Honeywell - Tonawanda Plastics

Job ID: 480-179236-1

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

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
		DCA	BFB	DBFM	TOL
Lab Sample ID	Client Sample ID	(77-120)	(73-120)	(75-123)	(80-120)
480-179236-1	MW-14_12102020	105	108	109	102
480-179236-1 MS	MW-14_12102020	104	99	98	98
480-179236-1 MSD	MW-14_12102020	104	97	104	98
480-179236-2	MW-140_12102020	106	110	109	103
LCS 480-563012/5	Lab Control Sample	102	113	100	104
LCS 480-563196/5	Lab Control Sample	100	95	95	94
MB 480-563012/7	Method Blank	102	112	109	105
MB 480-563196/8	Method Blank	108	96	105	96

Surrogate Legend

DCA = 1,2-Dichloroethane-d4 (Surr)
BFB = 4-Bromofluorobenzene (Surr)
DBFM = Dibromofluoromethane (Surr)
TOL = Toluene-d8 (Surr)

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

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)		
		FBP	NBZ	TPHd14
Lab Sample ID	Client Sample ID	(48-120)	(46-120)	(60-148)
480-179236-1	MW-14_12102020	98	97	94
480-179236-1 MS	MW-14_12102020	101	102	90
480-179236-1 MSD	MW-14_12102020	102	99	88
480-179236-2	MW-140_12102020	115	114	106
LCS 480-562867/2-A	Lab Control Sample	113	109	112
LCS 480-563320/2-A	Lab Control Sample	101	97	104
MB 480-562867/1-A	Method Blank	107	112	116
MB 480-563320/1-A	Method Blank	103	100	103

Surrogate Legend

FBP = 2-Fluorobiphenyl
NBZ = Nitrobenzene-d5 (Surr)
TPHd14 = p-Terphenyl-d14 (Surr)

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

Lab Sample ID: MB 480-563012/7
Matrix: Water
Analysis Batch: 563012

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	1.0	U	1.0	0.82	ug/L			12/12/20 12:41	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.21	ug/L			12/12/20 12:41	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31	ug/L			12/12/20 12:41	1
1,1,2-Trichloroethane	1.0	U	1.0	0.23	ug/L			12/12/20 12:41	1
1,1-Dichloroethane	1.0	U	1.0	0.38	ug/L			12/12/20 12:41	1
1,1-Dichloroethene	1.0	U	1.0	0.29	ug/L			12/12/20 12:41	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.41	ug/L			12/12/20 12:41	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.39	ug/L			12/12/20 12:41	1
1,2-Dibromoethane	1.0	U	1.0	0.73	ug/L			12/12/20 12:41	1
1,2-Dichlorobenzene	1.0	U	1.0	0.79	ug/L			12/12/20 12:41	1
1,2-Dichloroethane	1.0	U	1.0	0.21	ug/L			12/12/20 12:41	1
1,2-Dichloropropane	1.0	U	1.0	0.72	ug/L			12/12/20 12:41	1
1,3-Dichlorobenzene	1.0	U	1.0	0.78	ug/L			12/12/20 12:41	1
1,4-Dichlorobenzene	1.0	U	1.0	0.84	ug/L			12/12/20 12:41	1
2-Butanone (MEK)	10	U	10	1.3	ug/L			12/12/20 12:41	1
2-Hexanone	5.0	U	5.0	1.2	ug/L			12/12/20 12:41	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	2.1	ug/L			12/12/20 12:41	1
Acetone	10	U	10	3.0	ug/L			12/12/20 12:41	1
Benzene	1.0	U	1.0	0.41	ug/L			12/12/20 12:41	1
Bromodichloromethane	1.0	U	1.0	0.39	ug/L			12/12/20 12:41	1
Bromoform	1.0	U	1.0	0.26	ug/L			12/12/20 12:41	1
Bromomethane	1.0	U	1.0	0.69	ug/L			12/12/20 12:41	1
Carbon disulfide	1.0	U	1.0	0.19	ug/L			12/12/20 12:41	1
Carbon tetrachloride	1.0	U	1.0	0.27	ug/L			12/12/20 12:41	1
Chlorobenzene	1.0	U	1.0	0.75	ug/L			12/12/20 12:41	1
Chloroethane	1.0	U	1.0	0.32	ug/L			12/12/20 12:41	1
Chloroform	1.0	U	1.0	0.34	ug/L			12/12/20 12:41	1
Chloromethane	1.0	U	1.0	0.35	ug/L			12/12/20 12:41	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.81	ug/L			12/12/20 12:41	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.36	ug/L			12/12/20 12:41	1
Cyclohexane	1.0	U	1.0	0.18	ug/L			12/12/20 12:41	1
Dibromochloromethane	1.0	U	1.0	0.32	ug/L			12/12/20 12:41	1
Dichlorodifluoromethane	1.0	U	1.0	0.68	ug/L			12/12/20 12:41	1
Ethylbenzene	1.0	U	1.0	0.74	ug/L			12/12/20 12:41	1
Isopropylbenzene	1.0	U	1.0	0.79	ug/L			12/12/20 12:41	1
Methyl acetate	2.5	U	2.5	1.3	ug/L			12/12/20 12:41	1
Methyl tert-butyl ether	1.0	U	1.0	0.16	ug/L			12/12/20 12:41	1
Methylcyclohexane	1.0	U	1.0	0.16	ug/L			12/12/20 12:41	1
Methylene Chloride	1.0	U	1.0	0.44	ug/L			12/12/20 12:41	1
Styrene	1.0	U	1.0	0.73	ug/L			12/12/20 12:41	1
Tetrachloroethene	1.0	U	1.0	0.36	ug/L			12/12/20 12:41	1
Toluene	1.0	U	1.0	0.51	ug/L			12/12/20 12:41	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.90	ug/L			12/12/20 12:41	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.37	ug/L			12/12/20 12:41	1
Trichloroethene	1.0	U	1.0	0.46	ug/L			12/12/20 12:41	1
Trichlorofluoromethane	1.0	U	1.0	0.88	ug/L			12/12/20 12:41	1
Vinyl chloride	1.0	U	1.0	0.90	ug/L			12/12/20 12:41	1
Xylenes, Total	2.0	U	2.0	0.66	ug/L			12/12/20 12:41	1

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

Lab Sample ID: MB 480-563012/7
Matrix: Water
Analysis Batch: 563012

Client Sample ID: Method Blank
Prep Type: Total/NA

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	102		77 - 120		12/12/20 12:41	1
4-Bromofluorobenzene (Surr)	112		73 - 120		12/12/20 12:41	1
Dibromofluoromethane (Surr)	109		75 - 123		12/12/20 12:41	1
Toluene-d8 (Surr)	105		80 - 120		12/12/20 12:41	1

Lab Sample ID: LCS 480-563012/5
Matrix: Water
Analysis Batch: 563012

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	25.0	26.8		ug/L		107	73 - 126
1,1,2,2-Tetrachloroethane	25.0	25.8		ug/L		103	76 - 120
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	18.4		ug/L		73	61 - 148
1,1,2-Trichloroethane	25.0	25.1		ug/L		100	76 - 122
1,1-Dichloroethane	25.0	24.5		ug/L		98	77 - 120
1,1-Dichloroethene	25.0	20.3		ug/L		81	66 - 127
1,2,4-Trichlorobenzene	25.0	25.4		ug/L		102	79 - 122
1,2-Dibromo-3-Chloropropane	25.0	33.8	*	ug/L		135	56 - 134
1,2-Dibromoethane	25.0	27.8		ug/L		111	77 - 120
1,2-Dichlorobenzene	25.0	25.7		ug/L		103	80 - 124
1,2-Dichloroethane	25.0	23.9		ug/L		96	75 - 120
1,2-Dichloropropane	25.0	25.1		ug/L		100	76 - 120
1,3-Dichlorobenzene	25.0	25.3		ug/L		101	77 - 120
1,4-Dichlorobenzene	25.0	24.5		ug/L		98	80 - 120
2-Butanone (MEK)	125	124		ug/L		99	57 - 140
2-Hexanone	125	135		ug/L		108	65 - 127
4-Methyl-2-pentanone (MIBK)	125	130		ug/L		104	71 - 125
Acetone	125	126		ug/L		101	56 - 142
Benzene	25.0	24.2		ug/L		97	71 - 124
Bromodichloromethane	25.0	29.1		ug/L		116	80 - 122
Bromoform	25.0	32.6		ug/L		130	61 - 132
Bromomethane	25.0	19.4		ug/L		78	55 - 144
Carbon disulfide	25.0	22.9		ug/L		91	59 - 134
Carbon tetrachloride	25.0	26.6		ug/L		106	72 - 134
Chlorobenzene	25.0	25.4		ug/L		102	80 - 120
Chloroethane	25.0	18.7		ug/L		75	69 - 136
Chloroform	25.0	23.6		ug/L		94	73 - 127
Chloromethane	25.0	20.2		ug/L		81	68 - 124
cis-1,2-Dichloroethene	25.0	26.5		ug/L		106	74 - 124
cis-1,3-Dichloropropene	25.0	28.5		ug/L		114	74 - 124
Cyclohexane	25.0	22.3		ug/L		89	59 - 135
Dibromochloromethane	25.0	30.8		ug/L		123	75 - 125
Dichlorodifluoromethane	25.0	16.5		ug/L		66	59 - 135
Ethylbenzene	25.0	25.6		ug/L		102	77 - 123
Isopropylbenzene	25.0	26.3		ug/L		105	77 - 122
Methyl acetate	50.0	43.3		ug/L		87	74 - 133
Methyl tert-butyl ether	25.0	26.8		ug/L		107	77 - 120
Methylcyclohexane	25.0	22.4		ug/L		90	68 - 134

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

Lab Sample ID: LCS 480-563012/5
Matrix: Water
Analysis Batch: 563012

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Methylene Chloride	25.0	24.8		ug/L		99	75 - 124
Styrene	25.0	26.6		ug/L		106	80 - 120
Tetrachloroethene	25.0	26.3		ug/L		105	74 - 122
Toluene	25.0	24.6		ug/L		99	80 - 122
trans-1,2-Dichloroethene	25.0	21.0		ug/L		84	73 - 127
Trichloroethene	25.0	25.3		ug/L		101	74 - 123
Trichlorofluoromethane	25.0	22.1		ug/L		89	62 - 150
Vinyl chloride	25.0	20.3		ug/L		81	65 - 133

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*102*		*77 - 120*
4-Bromofluorobenzene (Surr)	*113*		*73 - 120*
Dibromofluoromethane (Surr)	*100*		*75 - 123*
Toluene-d8 (Surr)	*104*		*80 - 120*

Lab Sample ID: MB 480-563196/8
Matrix: Water
Analysis Batch: 563196

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	1.0	U	1.0	0.82	ug/L			12/15/20 11:17	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.21	ug/L			12/15/20 11:17	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31	ug/L			12/15/20 11:17	1
1,1,2-Trichloroethane	1.0	U	1.0	0.23	ug/L			12/15/20 11:17	1
1,1-Dichloroethane	1.0	U	1.0	0.38	ug/L			12/15/20 11:17	1
1,1-Dichloroethene	1.0	U	1.0	0.29	ug/L			12/15/20 11:17	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.41	ug/L			12/15/20 11:17	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.39	ug/L			12/15/20 11:17	1
1,2-Dibromoethane	1.0	U	1.0	0.73	ug/L			12/15/20 11:17	1
1,2-Dichlorobenzene	1.0	U	1.0	0.79	ug/L			12/15/20 11:17	1
1,2-Dichloroethane	1.0	U	1.0	0.21	ug/L			12/15/20 11:17	1
1,2-Dichloropropane	1.0	U	1.0	0.72	ug/L			12/15/20 11:17	1
1,3-Dichlorobenzene	1.0	U	1.0	0.78	ug/L			12/15/20 11:17	1
1,4-Dichlorobenzene	1.0	U	1.0	0.84	ug/L			12/15/20 11:17	1
2-Butanone (MEK)	10	U	10	1.3	ug/L			12/15/20 11:17	1
2-Hexanone	5.0	U	5.0	1.2	ug/L			12/15/20 11:17	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	2.1	ug/L			12/15/20 11:17	1
Acetone	10	U	10	3.0	ug/L			12/15/20 11:17	1
Benzene	1.0	U	1.0	0.41	ug/L			12/15/20 11:17	1
Bromodichloromethane	1.0	U	1.0	0.39	ug/L			12/15/20 11:17	1
Bromoform	1.0	U	1.0	0.26	ug/L			12/15/20 11:17	1
Bromomethane	1.0	U	1.0	0.69	ug/L			12/15/20 11:17	1
Carbon disulfide	1.0	U	1.0	0.19	ug/L			12/15/20 11:17	1
Carbon tetrachloride	1.0	U	1.0	0.27	ug/L			12/15/20 11:17	1
Chlorobenzene	1.0	U	1.0	0.75	ug/L			12/15/20 11:17	1
Chloroethane	1.0	U	1.0	0.32	ug/L			12/15/20 11:17	1
Chloroform	1.0	U	1.0	0.34	ug/L			12/15/20 11:17	1
Chloromethane	1.0	U	1.0	0.35	ug/L			12/15/20 11:17	1

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

Lab Sample ID: MB 480-563196/8
Matrix: Water
Analysis Batch: 563196

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,2-Dichloroethene	1.0	U	1.0	0.81	ug/L			12/15/20 11:17	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.36	ug/L			12/15/20 11:17	1
Cyclohexane	1.0	U	1.0	0.18	ug/L			12/15/20 11:17	1
Dibromochloromethane	1.0	U	1.0	0.32	ug/L			12/15/20 11:17	1
Dichlorodifluoromethane	1.0	U	1.0	0.68	ug/L			12/15/20 11:17	1
Ethylbenzene	1.0	U	1.0	0.74	ug/L			12/15/20 11:17	1
Isopropylbenzene	1.0	U	1.0	0.79	ug/L			12/15/20 11:17	1
Methyl acetate	2.5	U	2.5	1.3	ug/L			12/15/20 11:17	1
Methyl tert-butyl ether	1.0	U	1.0	0.16	ug/L			12/15/20 11:17	1
Methylcyclohexane	1.0	U	1.0	0.16	ug/L			12/15/20 11:17	1
Methylene Chloride	1.0	U	1.0	0.44	ug/L			12/15/20 11:17	1
Styrene	1.0	U	1.0	0.73	ug/L			12/15/20 11:17	1
Tetrachloroethene	1.0	U	1.0	0.36	ug/L			12/15/20 11:17	1
Toluene	1.0	U	1.0	0.51	ug/L			12/15/20 11:17	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.90	ug/L			12/15/20 11:17	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.37	ug/L			12/15/20 11:17	1
Trichloroethene	1.0	U	1.0	0.46	ug/L			12/15/20 11:17	1
Trichlorofluoromethane	1.0	U	1.0	0.88	ug/L			12/15/20 11:17	1
Vinyl chloride	1.0	U	1.0	0.90	ug/L			12/15/20 11:17	1
Xylenes, Total	2.0	U	2.0	0.66	ug/L			12/15/20 11:17	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*108*		*77 - 120*		*12/15/20 11:17*	*1*
4-Bromofluorobenzene (Surr)	*96*		*73 - 120*		*12/15/20 11:17*	*1*
Dibromofluoromethane (Surr)	*105*		*75 - 123*		*12/15/20 11:17*	*1*
Toluene-d8 (Surr)	*96*		*80 - 120*		*12/15/20 11:17*	*1*

Lab Sample ID: LCS 480-563196/5
Matrix: Water
Analysis Batch: 563196

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	25.0	24.2		ug/L		97	73 - 126
1,1,2,2-Tetrachloroethane	25.0	21.9		ug/L		88	76 - 120
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	24.6		ug/L		98	61 - 148
1,1,2-Trichloroethane	25.0	19.9		ug/L		79	76 - 122
1,1-Dichloroethane	25.0	21.9		ug/L		88	77 - 120
1,1-Dichloroethene	25.0	23.1		ug/L		92	66 - 127
1,2,4-Trichlorobenzene	25.0	22.1		ug/L		88	79 - 122
1,2-Dibromo-3-Chloropropane	25.0	21.8		ug/L		87	56 - 134
1,2-Dibromoethane	25.0	20.9		ug/L		84	77 - 120
1,2-Dichlorobenzene	25.0	20.9		ug/L		84	80 - 124
1,2-Dichloroethane	25.0	21.7		ug/L		87	75 - 120
1,2-Dichloropropane	25.0	21.2		ug/L		85	76 - 120
1,3-Dichlorobenzene	25.0	21.5		ug/L		86	77 - 120
1,4-Dichlorobenzene	25.0	21.2		ug/L		85	80 - 120
2-Butanone (MEK)	125	102		ug/L		82	57 - 140
2-Hexanone	125	98.2		ug/L		79	65 - 127

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

Lab Sample ID: LCS 480-563196/5
Matrix: Water
Analysis Batch: 563196

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
4-Methyl-2-pentanone (MIBK)	125	101		ug/L		81	71 - 125
Acetone	125	102		ug/L		82	56 - 142
Benzene	25.0	21.4		ug/L		85	71 - 124
Bromodichloromethane	25.0	22.5		ug/L		90	80 - 122
Bromoform	25.0	21.0		ug/L		84	61 - 132
Bromomethane	25.0	22.7		ug/L		91	55 - 144
Carbon disulfide	25.0	22.1		ug/L		89	59 - 134
Carbon tetrachloride	25.0	23.0		ug/L		92	72 - 134
Chlorobenzene	25.0	21.1		ug/L		84	80 - 120
Chloroethane	25.0	21.4		ug/L		86	69 - 136
Chloroform	25.0	21.0		ug/L		84	73 - 127
Chloromethane	25.0	22.4		ug/L		89	68 - 124
cis-1,2-Dichloroethene	25.0	21.5		ug/L		86	74 - 124
cis-1,3-Dichloropropene	25.0	22.0		ug/L		88	74 - 124
Cyclohexane	25.0	23.1		ug/L		93	59 - 135
Dibromochloromethane	25.0	21.2		ug/L		85	75 - 125
Dichlorodifluoromethane	25.0	29.8		ug/L		119	59 - 135
Ethylbenzene	25.0	20.9		ug/L		84	77 - 123
Isopropylbenzene	25.0	22.6		ug/L		90	77 - 122
Methyl acetate	50.0	37.8		ug/L		76	74 - 133
Methyl tert-butyl ether	25.0	21.8		ug/L		87	77 - 120
Methylcyclohexane	25.0	23.5		ug/L		94	68 - 134
Methylene Chloride	25.0	22.2		ug/L		89	75 - 124
Styrene	25.0	21.4		ug/L		86	80 - 120
Tetrachloroethene	25.0	21.1		ug/L		84	74 - 122
Toluene	25.0	20.1		ug/L		80	80 - 122
trans-1,2-Dichloroethene	25.0	22.2		ug/L		89	73 - 127
Trichloroethene	25.0	22.0		ug/L		88	74 - 123
Trichlorofluoromethane	25.0	24.7		ug/L		99	62 - 150
Vinyl chloride	25.0	22.6		ug/L		90	65 - 133

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*100*		*77 - 120*
4-Bromofluorobenzene (Surr)	*95*		*73 - 120*
Dibromofluoromethane (Surr)	*95*		*75 - 123*
Toluene-d8 (Surr)	*94*		*80 - 120*

Lab Sample ID: 480-179236-1 MS
Matrix: Water
Analysis Batch: 563196

Client Sample ID: MW-14_12102020
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	1.0	U F1	25.0	26.5		ug/L		106	73 - 126
1,1,2,2-Tetrachloroethane	1.0	U	25.0	21.6		ug/L		86	76 - 120
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U F2	25.0	24.2		ug/L		97	61 - 148
1,1,2-Trichloroethane	1.0	U	25.0	21.2		ug/L		85	76 - 122
1,1-Dichloroethane	1.0	U F1	25.0	23.2		ug/L		93	77 - 120
1,1-Dichloroethene	1.0	U F1 F2	25.0	24.7		ug/L		99	66 - 127

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

Lab Sample ID: 480-179236-1 MS
Matrix: Water
Analysis Batch: 563196

Client Sample ID: MW-14_12102020
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2,4-Trichlorobenzene	1.0	U	25.0	23.3		ug/L		93	79 - 122
1,2-Dibromo-3-Chloropropane	1.0	U * F1	25.0	21.9		ug/L		88	56 - 134
1,2-Dibromoethane	1.0	U F1	25.0	22.2		ug/L		89	77 - 120
1,2-Dichlorobenzene	1.0	U	25.0	22.5		ug/L		90	80 - 124
1,2-Dichloroethane	1.0	U	25.0	22.1		ug/L		88	75 - 120
1,2-Dichloropropane	1.0	U F1	25.0	22.5		ug/L		90	76 - 120
1,3-Dichlorobenzene	1.0	U F1	25.0	22.4		ug/L		89	77 - 120
1,4-Dichlorobenzene	1.0	U	25.0	22.4		ug/L		90	78 - 124
2-Butanone (MEK)	10	U	125	101		ug/L		81	57 - 140
2-Hexanone	5.0	U	125	98.8		ug/L		79	65 - 127
4-Methyl-2-pentanone (MIBK)	5.0	U	125	106		ug/L		85	71 - 125
Acetone	10	U	125	98.5		ug/L		79	56 - 142
Benzene	1.0	U F1 F2	25.0	23.1		ug/L		92	71 - 124
Bromodichloromethane	1.0	U F1	25.0	23.3		ug/L		93	80 - 122
Bromoform	1.0	U F1	25.0	19.8		ug/L		79	61 - 132
Bromomethane	1.0	U	25.0	26.7		ug/L		107	55 - 144
Carbon disulfide	1.0	U F2	25.0	22.7		ug/L		91	59 - 134
Carbon tetrachloride	1.0	U F1	25.0	24.9		ug/L		100	72 - 134
Chlorobenzene	1.0	U	25.0	23.4		ug/L		94	80 - 120
Chloroethane	1.0	U	25.0	26.0		ug/L		104	69 - 136
Chloroform	1.0	U	25.0	23.2		ug/L		93	73 - 127
Chloromethane	1.0	U	25.0	25.9		ug/L		104	68 - 124
cis-1,2-Dichloroethene	1.0	U F1	25.0	23.3		ug/L		93	74 - 124
cis-1,3-Dichloropropene	1.0	U F1	25.0	21.9		ug/L		87	74 - 124
Cyclohexane	1.0	U	25.0	23.8		ug/L		95	59 - 135
Dibromochloromethane	1.0	U F1	25.0	22.6		ug/L		90	75 - 125
Dichlorodifluoromethane	1.0	U	25.0	32.0		ug/L		128	59 - 135
Ethylbenzene	1.0	U F1	25.0	23.1		ug/L		93	77 - 123
Isopropylbenzene	1.0	U F1	25.0	24.8		ug/L		99	77 - 122
Methyl acetate	2.5	U	50.0	37.0		ug/L		74	74 - 133
Methyl tert-butyl ether	1.0	U	25.0	22.4		ug/L		90	77 - 120
Methylcyclohexane	1.0	U	25.0	23.6		ug/L		94	68 - 134
Methylene Chloride	1.0	U F1	25.0	22.5		ug/L		90	75 - 124
Styrene	1.0	U F1	25.0	23.2		ug/L		93	80 - 120
Tetrachloroethene	1.0	U F1	25.0	23.8		ug/L		95	74 - 122
Toluene	1.0	U	25.0	22.8		ug/L		91	80 - 122
trans-1,2-Dichloroethene	1.0	U F1 F2	25.0	23.5		ug/L		94	73 - 127
Trichloroethene	1.0	U F1	25.0	24.5		ug/L		98	74 - 123
Trichlorofluoromethane	1.0	U	25.0	27.4		ug/L		110	62 - 150
Vinyl chloride	1.0	U	25.0	26.1		ug/L		105	65 - 133

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*104*		*77 - 120*
4-Bromofluorobenzene (Surr)	*99*		*73 - 120*
Dibromofluoromethane (Surr)	*98*		*75 - 123*
Toluene-d8 (Surr)	*98*		*80 - 120*

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

Lab Sample ID: 480-179236-1 MSD
Matrix: Water
Analysis Batch: 563196

Client Sample ID: MW-14_12102020
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,1-Trichloroethane	1.0	U F1	25.0	31.5	F2	ug/L		126	73 - 126	17	15
1,1,2,2-Tetrachloroethane	1.0	U	25.0	26.9	F2	ug/L		108	76 - 120	22	15
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U F2	25.0	26.3		ug/L		105	61 - 148	8	20
1,1,2-Trichloroethane	1.0	U	25.0	25.5	F2	ug/L		102	76 - 122	18	15
1,1-Dichloroethane	1.0	U F1	25.0	27.8		ug/L		111	77 - 120	18	20
1,1-Dichloroethene	1.0	U F1 F2	25.0	29.7	F2	ug/L		119	66 - 127	18	16
1,2,4-Trichlorobenzene	1.0	U	25.0	28.4		ug/L		114	79 - 122	20	20
1,2-Dibromo-3-Chloropropane	1.0	U * F1	25.0	27.4	F2	ug/L		110	56 - 134	23	15
1,2-Dibromoethane	1.0	U F1	25.0	26.1	F2	ug/L		104	77 - 120	16	15
1,2-Dichlorobenzene	1.0	U	25.0	26.8		ug/L		107	80 - 124	18	20
1,2-Dichloroethane	1.0	U	25.0	26.2		ug/L		105	75 - 120	17	20
1,2-Dichloropropane	1.0	U F1	25.0	26.8		ug/L		107	76 - 120	17	20
1,3-Dichlorobenzene	1.0	U F1	25.0	27.9	F2	ug/L		111	77 - 120	22	20
1,4-Dichlorobenzene	1.0	U	25.0	28.1	F2	ug/L		112	78 - 124	23	20
2-Butanone (MEK)	10	U	125	120		ug/L		96	57 - 140	18	20
2-Hexanone	5.0	U	125	116	F2	ug/L		93	65 - 127	16	15
4-Methyl-2-pentanone (MIBK)	5.0	U	125	125		ug/L		100	71 - 125	16	35
Acetone	10	U	125	116	F2	ug/L		93	56 - 142	16	15
Benzene	1.0	U F1 F2	25.0	27.4	F2	ug/L		110	71 - 124	17	13
Bromodichloromethane	1.0	U F1	25.0	28.1	F2	ug/L		113	80 - 122	19	15
Bromoform	1.0	U F1	25.0	24.2	F2	ug/L		97	61 - 132	20	15
Bromomethane	1.0	U	25.0	29.7		ug/L		119	55 - 144	11	15
Carbon disulfide	1.0	U F2	25.0	27.2	F2	ug/L		109	59 - 134	18	15
Carbon tetrachloride	1.0	U F1	25.0	29.4	F2	ug/L		117	72 - 134	16	15
Chlorobenzene	1.0	U	25.0	27.6		ug/L		110	80 - 120	16	25
Chloroethane	1.0	U	25.0	29.1		ug/L		116	69 - 136	11	15
Chloroform	1.0	U	25.0	27.3		ug/L		109	73 - 127	16	20
Chloromethane	1.0	U	25.0	28.4		ug/L		114	68 - 124	9	15
cis-1,2-Dichloroethene	1.0	U F1	25.0	27.5	F2	ug/L		110	74 - 124	16	15
cis-1,3-Dichloropropene	1.0	U F1	25.0	26.0	F2	ug/L		104	74 - 124	17	15
Cyclohexane	1.0	U	25.0	27.1		ug/L		108	59 - 135	13	20
Dibromochloromethane	1.0	U F1	25.0	26.5	F2	ug/L		106	75 - 125	16	15
Dichlorodifluoromethane	1.0	U	25.0	32.9		ug/L		132	59 - 135	3	20
Ethylbenzene	1.0	U F1	25.0	27.0		ug/L		108	77 - 123	15	15
Isopropylbenzene	1.0	U F1	25.0	30.9	F1 F2	ug/L		124	77 - 122	22	20
Methyl acetate	2.5	U	50.0	44.2		ug/L		88	74 - 133	18	20
Methyl tert-butyl ether	1.0	U	25.0	27.1		ug/L		108	77 - 120	19	37
Methylcyclohexane	1.0	U	25.0	26.9		ug/L		107	68 - 134	13	20
Methylene Chloride	1.0	U F1	25.0	27.5	F2	ug/L		110	75 - 124	20	15
Styrene	1.0	U F1	25.0	26.9		ug/L		107	80 - 120	15	20
Tetrachloroethene	1.0	U F1	25.0	27.7		ug/L		111	74 - 122	15	20
Toluene	1.0	U	25.0	27.1	F2	ug/L		109	80 - 122	17	15
trans-1,2-Dichloroethene	1.0	U F1 F2	25.0	28.5		ug/L		114	73 - 127	19	20
Trichloroethene	1.0	U F1	25.0	28.6		ug/L		114	74 - 123	15	16
Trichlorofluoromethane	1.0	U	25.0	30.8		ug/L		123	62 - 150	11	20
Vinyl chloride	1.0	U	25.0	30.3		ug/L		121	65 - 133	15	15

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

Lab Sample ID: 480-179236-1 MSD
Matrix: Water
Analysis Batch: 563196

Client Sample ID: MW-14_12102020
Prep Type: Total/NA

Surrogate	MSD %Recovery	MSD Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	*104*		*77 - 120*
4-Bromofluorobenzene (Surr)	*97*		*73 - 120*
Dibromofluoromethane (Surr)	*104*		*75 - 123*
Toluene-d8 (Surr)	*98*		*80 - 120*

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

Lab Sample ID: MB 480-562867/1-A
Matrix: Water
Analysis Batch: 563133

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 562867

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	5.0	U	5.0	0.41	ug/L		12/11/20 08:59	12/14/20 20:39	1
Acenaphthylene	5.0	U	5.0	0.38	ug/L		12/11/20 08:59	12/14/20 20:39	1
Anthracene	5.0	U	5.0	0.28	ug/L		12/11/20 08:59	12/14/20 20:39	1
Benzo[a]anthracene	5.0	U	5.0	0.36	ug/L		12/11/20 08:59	12/14/20 20:39	1
Benzo[a]pyrene	5.0	U	5.0	0.47	ug/L		12/11/20 08:59	12/14/20 20:39	1
Benzo[b]fluoranthene	5.0	U	5.0	0.34	ug/L		12/11/20 08:59	12/14/20 20:39	1
Benzo[g,h,i]perylene	5.0	U	5.0	0.35	ug/L		12/11/20 08:59	12/14/20 20:39	1
Benzo[k]fluoranthene	5.0	U	5.0	0.73	ug/L		12/11/20 08:59	12/14/20 20:39	1
Chrysene	5.0	U	5.0	0.33	ug/L		12/11/20 08:59	12/14/20 20:39	1
Dibenz(a,h)anthracene	5.0	U	5.0	0.42	ug/L		12/11/20 08:59	12/14/20 20:39	1
Fluoranthene	5.0	U	5.0	0.40	ug/L		12/11/20 08:59	12/14/20 20:39	1
Fluorene	5.0	U	5.0	0.36	ug/L		12/11/20 08:59	12/14/20 20:39	1
Indeno[1,2,3-cd]pyrene	5.0	U	5.0	0.47	ug/L		12/11/20 08:59	12/14/20 20:39	1
Naphthalene	5.0	U	5.0	0.76	ug/L		12/11/20 08:59	12/14/20 20:39	1
Phenanthrene	5.0	U	5.0	0.44	ug/L		12/11/20 08:59	12/14/20 20:39	1
Pyrene	5.0	U	5.0	0.34	ug/L		12/11/20 08:59	12/14/20 20:39	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	*107*		*48 - 120*	*12/11/20 08:59*	*12/14/20 20:39*	*1*
Nitrobenzene-d5 (Surr)	*112*		*46 - 120*	*12/11/20 08:59*	*12/14/20 20:39*	*1*
p-Terphenyl-d14 (Surr)	*116*		*60 - 148*	*12/11/20 08:59*	*12/14/20 20:39*	*1*

Lab Sample ID: LCS 480-562867/2-A
Matrix: Water
Analysis Batch: 563133

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 562867

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acenaphthene	32.0	33.9		ug/L		106	60 - 120
Acenaphthylene	32.0	35.4		ug/L		111	63 - 120
Anthracene	32.0	36.5		ug/L		114	67 - 120
Benzo[a]anthracene	32.0	35.4		ug/L		111	70 - 121
Benzo[a]pyrene	32.0	37.9		ug/L		119	60 - 123
Benzo[b]fluoranthene	32.0	40.1		ug/L		125	66 - 126
Benzo[g,h,i]perylene	32.0	39.4		ug/L		123	66 - 150
Benzo[k]fluoranthene	32.0	37.6		ug/L		117	65 - 124
Chrysene	32.0	34.7		ug/L		108	69 - 120

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

Lab Sample ID: LCS 480-562867/2-A
Matrix: Water
Analysis Batch: 563133

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 562867

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Dibenz(a,h)anthracene	32.0	39.9		ug/L		125	65 - 135
Fluoranthene	32.0	37.1		ug/L		116	69 - 126
Fluorene	32.0	35.4		ug/L		111	66 - 120
Indeno[1,2,3-cd]pyrene	32.0	39.8		ug/L		125	69 - 146
Naphthalene	32.0	31.3		ug/L		98	57 - 120
Phenanthrene	32.0	35.1		ug/L		110	68 - 120
Pyrene	32.0	34.5		ug/L		108	70 - 125

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl	*113*		*48 - 120*
Nitrobenzene-d5 (Surr)	*109*		*46 - 120*
p-Terphenyl-d14 (Surr)	*112*		*60 - 148*

Lab Sample ID: MB 480-563320/1-A
Matrix: Water
Analysis Batch: 563626

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 563320

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	5.0	U	5.0	0.41	ug/L		12/15/20 14:54	12/17/20 11:42	1
Acenaphthylene	5.0	U	5.0	0.38	ug/L		12/15/20 14:54	12/17/20 11:42	1
Anthracene	5.0	U	5.0	0.28	ug/L		12/15/20 14:54	12/17/20 11:42	1
Benzo[a]anthracene	5.0	U	5.0	0.36	ug/L		12/15/20 14:54	12/17/20 11:42	1
Benzo[a]pyrene	5.0	U	5.0	0.47	ug/L		12/15/20 14:54	12/17/20 11:42	1
Benzo[b]fluoranthene	5.0	U	5.0	0.34	ug/L		12/15/20 14:54	12/17/20 11:42	1
Benzo[g,h,i]perylene	5.0	U	5.0	0.35	ug/L		12/15/20 14:54	12/17/20 11:42	1
Benzo[k]fluoranthene	5.0	U	5.0	0.73	ug/L		12/15/20 14:54	12/17/20 11:42	1
Chrysene	5.0	U	5.0	0.33	ug/L		12/15/20 14:54	12/17/20 11:42	1
Dibenz(a,h)anthracene	5.0	U	5.0	0.42	ug/L		12/15/20 14:54	12/17/20 11:42	1
Fluoranthene	5.0	U	5.0	0.40	ug/L		12/15/20 14:54	12/17/20 11:42	1
Fluorene	5.0	U	5.0	0.36	ug/L		12/15/20 14:54	12/17/20 11:42	1
Indeno[1,2,3-cd]pyrene	5.0	U	5.0	0.47	ug/L		12/15/20 14:54	12/17/20 11:42	1
Naphthalene	5.0	U	5.0	0.76	ug/L		12/15/20 14:54	12/17/20 11:42	1
Phenanthrene	5.0	U	5.0	0.44	ug/L		12/15/20 14:54	12/17/20 11:42	1
Pyrene	5.0	U	5.0	0.34	ug/L		12/15/20 14:54	12/17/20 11:42	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*103*		*48 - 120*	*12/15/20 14:54*	*12/17/20 11:42*	*1*
Nitrobenzene-d5 (Surr)	*100*		*46 - 120*	*12/15/20 14:54*	*12/17/20 11:42*	*1*
p-Terphenyl-d14 (Surr)	*103*		*60 - 148*	*12/15/20 14:54*	*12/17/20 11:42*	*1*

Lab Sample ID: LCS 480-563320/2-A
Matrix: Water
Analysis Batch: 563626

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 563320

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acenaphthene	32.0	30.9		ug/L		97	60 - 120
Acenaphthylene	32.0	32.1		ug/L		100	63 - 120
Anthracene	32.0	33.0		ug/L		103	67 - 120

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

Lab Sample ID: LCS 480-563320/2-A
Matrix: Water
Analysis Batch: 563626

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 563320

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzo[a]anthracene	32.0	31.5		ug/L		98	70 - 121
Benzo[a]pyrene	32.0	34.4		ug/L		108	60 - 123
Benzo[b]fluoranthene	32.0	36.9		ug/L		115	66 - 126
Benzo[g,h,i]perylene	32.0	35.5		ug/L		111	66 - 150
Benzo[k]fluoranthene	32.0	35.7		ug/L		112	65 - 124
Chrysene	32.0	31.1		ug/L		97	69 - 120
Dibenz(a,h)anthracene	32.0	35.8		ug/L		112	65 - 135
Fluoranthene	32.0	33.5		ug/L		105	69 - 126
Fluorene	32.0	31.9		ug/L		100	66 - 120
Indeno[1,2,3-cd]pyrene	32.0	34.8		ug/L		109	69 - 146
Naphthalene	32.0	28.3		ug/L		88	57 - 120
Phenanthrene	32.0	31.9		ug/L		100	68 - 120
Pyrene	32.0	31.4		ug/L		98	70 - 125

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl	*101*		*48 - 120*
Nitrobenzene-d5 (Surr)	*97*		*46 - 120*
p-Terphenyl-d14 (Surr)	*104*		*60 - 148*

Lab Sample ID: 480-179236-1 MS
Matrix: Water
Analysis Batch: 563626

Client Sample ID: MW-14_12102020
Prep Type: Total/NA
Prep Batch: 563320

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Acenaphthene	5.0	U	32.0	30.9		ug/L		97	48 - 120
Acenaphthylene	5.0	U	32.0	32.2		ug/L		101	63 - 120
Anthracene	5.0	U	32.0	32.2		ug/L		101	65 - 122
Benzo[a]anthracene	5.0	U	32.0	31.0		ug/L		97	43 - 124
Benzo[a]pyrene	5.0	U	32.0	30.5		ug/L		95	23 - 125
Benzo[b]fluoranthene	5.0	U	32.0	33.4		ug/L		104	27 - 127
Benzo[g,h,i]perylene	5.0	U	32.0	31.9		ug/L		100	16 - 147
Benzo[k]fluoranthene	5.0	U	32.0	30.4		ug/L		95	20 - 124
Chrysene	5.0	U	32.0	29.1		ug/L		91	44 - 122
Dibenz(a,h)anthracene	5.0	U	32.0	32.3		ug/L		101	16 - 139
Fluoranthene	5.0	U	32.0	31.8		ug/L		99	63 - 129
Fluorene	5.0	U	32.0	30.8		ug/L		96	62 - 120
Indeno[1,2,3-cd]pyrene	5.0	U	32.0	31.8		ug/L		99	16 - 140
Naphthalene	5.0	U	32.0	29.2		ug/L		91	45 - 120
Phenanthrene	5.0	U	32.0	30.2		ug/L		94	65 - 122
Pyrene	5.0	U	32.0	31.9		ug/L		100	58 - 128

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
2-Fluorobiphenyl	*101*		*48 - 120*
Nitrobenzene-d5 (Surr)	*102*		*46 - 120*
p-Terphenyl-d14 (Surr)	*90*		*60 - 148*

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

Lab Sample ID: 480-179236-1 MSD — **Client Sample ID: MW-14_12102020**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 563626 — **Prep Batch: 563320**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acenaphthene	5.0	U	32.0	30.1		ug/L		94	48 - 120	3	24
Acenaphthylene	5.0	U	32.0	31.4		ug/L		98	63 - 120	3	18
Anthracene	5.0	U	32.0	31.4		ug/L		98	65 - 122	2	15
Benzo[a]anthracene	5.0	U	32.0	29.9		ug/L		94	43 - 124	4	15
Benzo[a]pyrene	5.0	U	32.0	30.2		ug/L		94	23 - 125	1	15
Benzo[b]fluoranthene	5.0	U	32.0	32.0		ug/L		100	27 - 127	4	15
Benzo[g,h,i]perylene	5.0	U	32.0	30.6		ug/L		95	16 - 147	4	15
Benzo[k]fluoranthene	5.0	U	32.0	29.2		ug/L		91	20 - 124	4	22
Chrysene	5.0	U	32.0	27.9		ug/L		87	44 - 122	4	15
Dibenz(a,h)anthracene	5.0	U	32.0	30.7		ug/L		96	16 - 139	5	15
Fluoranthene	5.0	U	32.0	33.1		ug/L		103	63 - 129	4	15
Fluorene	5.0	U	32.0	32.4		ug/L		101	62 - 120	5	15
Indeno[1,2,3-cd]pyrene	5.0	U	32.0	29.8		ug/L		93	16 - 140	7	15
Naphthalene	5.0	U	32.0	28.1		ug/L		88	45 - 120	4	29
Phenanthrene	5.0	U	32.0	32.0		ug/L		100	65 - 122	6	15
Pyrene	5.0	U	32.0	30.8		ug/L		96	58 - 128	3	19

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
2-Fluorobiphenyl	*102*		*48 - 120*
Nitrobenzene-d5 (Surr)	*99*		*46 - 120*
p-Terphenyl-d14 (Surr)	*88*		*60 - 148*

Method: 6010C - Metals (ICP)

Lab Sample ID: MB 480-563075/1-A — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 563249 — **Prep Batch: 563075**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	0.0040	U	0.0040	0.0010	mg/L		12/14/20 10:39	12/14/20 19:59	1

Lab Sample ID: LCS 480-563075/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 563249 — **Prep Batch: 563075**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chromium	0.200	0.181		mg/L		90	80 - 120

Lab Sample ID: LCSD 480-563075/3-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 563249 — **Prep Batch: 563075**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chromium	0.200	0.185		mg/L		93	80 - 120	3	20

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

Lab Sample ID: 480-179236-1 MS — **Client Sample ID: MW-14_12102020**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 563249 — **Prep Batch: 563075**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chromium	0.0094		0.200	0.191		mg/L		91	75 - 125

Lab Sample ID: 480-179236-1 MSD — **Client Sample ID: MW-14_12102020**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 563249 — **Prep Batch: 563075**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chromium	0.0094		0.200	0.190		mg/L		90	75 - 125	1	20

Method: 9012B - Cyanide, Total andor Amenable

Lab Sample ID: MB 480-562988/1-A — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 563018 — **Prep Batch: 562988**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	0.010	U	0.010	0.0050	mg/L		12/11/20 19:21	12/12/20 11:29	1

Lab Sample ID: LCS 480-562988/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 563018 — **Prep Batch: 562988**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Cyanide, Total	0.400	0.389		mg/L		97	90 - 110

Lab Sample ID: LCS 480-562988/3-A — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 563018 — **Prep Batch: 562988**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Cyanide, Total	0.250	0.270		mg/L		108	90 - 110

Lab Sample ID: 480-179236-2 MS — **Client Sample ID: MW-140_12102020**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 563018 — **Prep Batch: 562988**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Cyanide, Total	0.0050	J F1	0.100	0.0888	F1	mg/L		84	90 - 110

Lab Sample ID: MB 480-562989/1-A — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 563019 — **Prep Batch: 562989**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	0.010	U	0.010	0.0050	mg/L		12/11/20 19:25	12/12/20 12:17	1

Method: 9012B - Cyanide, Total andor Amenable (Continued)

Lab Sample ID: LCS 480-562989/2-A
Client Sample ID: Lab Control Sample
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 563019
Prep Batch: 562989

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Cyanide, Total			0.250	0.231		mg/L		92	90 - 110		

Lab Sample ID: LCSD 480-562989/3-A
Client Sample ID: Lab Control Sample Dup
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 563019
Prep Batch: 562989

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Cyanide, Total			0.250	0.226		mg/L		90	90 - 110	2	15

Lab Sample ID: 480-179236-1 MS
Client Sample ID: MW-14_12102020
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 563019
Prep Batch: 562989

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Cyanide, Total	0.010	U F1	0.100	0.0989		mg/L		99	90 - 110		

Lab Sample ID: 480-179236-1 MSD
Client Sample ID: MW-14_12102020
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 563019
Prep Batch: 562989

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Cyanide, Total	0.010	U F1	0.100	0.0894	F1	mg/L		89	90 - 110	10	15

GC/MS VOA

Analysis Batch: 563012

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-179236-1	MW-14_12102020	Total/NA	Water	8260C	
480-179236-2	MW-140_12102020	Total/NA	Water	8260C	
MB 480-563012/7	Method Blank	Total/NA	Water	8260C	
LCS 480-563012/5	Lab Control Sample	Total/NA	Water	8260C	

Analysis Batch: 563196

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 480-563196/8	Method Blank	Total/NA	Water	8260C	
LCS 480-563196/5	Lab Control Sample	Total/NA	Water	8260C	
480-179236-1 MS	MW-14_12102020	Total/NA	Water	8260C	
480-179236-1 MSD	MW-14_12102020	Total/NA	Water	8260C	

GC/MS Semi VOA

Prep Batch: 562867

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-179236-2	MW-140_12102020	Total/NA	Water	3510C	
MB 480-562867/1-A	Method Blank	Total/NA	Water	3510C	
LCS 480-562867/2-A	Lab Control Sample	Total/NA	Water	3510C	

Analysis Batch: 563133

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-179236-2	MW-140_12102020	Total/NA	Water	8270D	562867
MB 480-562867/1-A	Method Blank	Total/NA	Water	8270D	562867
LCS 480-562867/2-A	Lab Control Sample	Total/NA	Water	8270D	562867

Prep Batch: 563320

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-179236-1	MW-14_12102020	Total/NA	Water	3510C	
MB 480-563320/1-A	Method Blank	Total/NA	Water	3510C	
LCS 480-563320/2-A	Lab Control Sample	Total/NA	Water	3510C	
480-179236-1 MS	MW-14_12102020	Total/NA	Water	3510C	
480-179236-1 MSD	MW-14_12102020	Total/NA	Water	3510C	

Analysis Batch: 563626

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-179236-1	MW-14_12102020	Total/NA	Water	8270D	563320
MB 480-563320/1-A	Method Blank	Total/NA	Water	8270D	563320
LCS 480-563320/2-A	Lab Control Sample	Total/NA	Water	8270D	563320
480-179236-1 MS	MW-14_12102020	Total/NA	Water	8270D	563320
480-179236-1 MSD	MW-14_12102020	Total/NA	Water	8270D	563320

Metals

Prep Batch: 563075

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-179236-1	MW-14_12102020	Total/NA	Water	3005A	
480-179236-2	MW-140_12102020	Total/NA	Water	3005A	
MB 480-563075/1-A	Method Blank	Total/NA	Water	3005A	
LCS 480-563075/2-A	Lab Control Sample	Total/NA	Water	3005A	
LCSD 480-563075/3-A	Lab Control Sample Dup	Total/NA	Water	3005A	
480-179236-1 MS	MW-14_12102020	Total/NA	Water	3005A	

Metals (Continued)

Prep Batch: 563075 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-179236-1 MSD	MW-14_12102020	Total/NA	Water	3005A	

Analysis Batch: 563249

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-179236-1	MW-14_12102020	Total/NA	Water	6010C	563075
480-179236-2	MW-140_12102020	Total/NA	Water	6010C	563075
MB 480-563075/1-A	Method Blank	Total/NA	Water	6010C	563075
LCS 480-563075/2-A	Lab Control Sample	Total/NA	Water	6010C	563075
LCSD 480-563075/3-A	Lab Control Sample Dup	Total/NA	Water	6010C	563075
480-179236-1 MS	MW-14_12102020	Total/NA	Water	6010C	563075
480-179236-1 MSD	MW-14_12102020	Total/NA	Water	6010C	563075

General Chemistry

Prep Batch: 562988

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-179236-2	MW-140_12102020	Total/NA	Water	9012B	
MB 480-562988/1-A	Method Blank	Total/NA	Water	9012B	
LCS 480-562988/2-A	Lab Control Sample	Total/NA	Water	9012B	
LCS 480-562988/3-A	Lab Control Sample	Total/NA	Water	9012B	
480-179236-2 MS	MW-140_12102020	Total/NA	Water	9012B	

Prep Batch: 562989

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-179236-1	MW-14_12102020	Total/NA	Water	9012B	
MB 480-562989/1-A	Method Blank	Total/NA	Water	9012B	
LCS 480-562989/2-A	Lab Control Sample	Total/NA	Water	9012B	
LCSD 480-562989/3-A	Lab Control Sample Dup	Total/NA	Water	9012B	
480-179236-1 MS	MW-14_12102020	Total/NA	Water	9012B	
480-179236-1 MSD	MW-14_12102020	Total/NA	Water	9012B	

Analysis Batch: 563018

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-179236-2	MW-140_12102020	Total/NA	Water	9012B	562988
MB 480-562988/1-A	Method Blank	Total/NA	Water	9012B	562988
LCS 480-562988/2-A	Lab Control Sample	Total/NA	Water	9012B	562988
LCS 480-562988/3-A	Lab Control Sample	Total/NA	Water	9012B	562988
480-179236-2 MS	MW-140_12102020	Total/NA	Water	9012B	562988

Analysis Batch: 563019

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-179236-1	MW-14_12102020	Total/NA	Water	9012B	562989
MB 480-562989/1-A	Method Blank	Total/NA	Water	9012B	562989
LCS 480-562989/2-A	Lab Control Sample	Total/NA	Water	9012B	562989
LCSD 480-562989/3-A	Lab Control Sample Dup	Total/NA	Water	9012B	562989
480-179236-1 MS	MW-14_12102020	Total/NA	Water	9012B	562989
480-179236-1 MSD	MW-14_12102020	Total/NA	Water	9012B	562989

Lab Chronicle

Client: Parsons Corporation
Project/Site: Honeywell - Tonawanda Plastics

Job ID: 480-179236-1

Client Sample ID: MW-14_12102020

Lab Sample ID: 480-179236-1

Date Collected: 12/10/20 10:45
Matrix: Water
Date Received: 12/10/20 13:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	563012	12/12/20 16:49	RJF	TAL BUF
Total/NA	Prep	3510C			563320	12/15/20 14:54	ATG	TAL BUF
Total/NA	Analysis	8270D		1	563626	12/17/20 13:39	JMM	TAL BUF
Total/NA	Prep	3005A			563075	12/14/20 10:39	ADM	TAL BUF
Total/NA	Analysis	6010C		1	563249	12/14/20 20:10	LMH	TAL BUF
Total/NA	Prep	9012B			562989	12/11/20 19:25	ALT	TAL BUF
Total/NA	Analysis	9012B		1	563019	12/12/20 12:23	CRK	TAL BUF

Client Sample ID: MW-140_12102020

Lab Sample ID: 480-179236-2

Date Collected: 12/10/20 12:01
Matrix: Water
Date Received: 12/10/20 13:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	563012	12/12/20 17:13	RJF	TAL BUF
Total/NA	Prep	3510C			562867	12/11/20 08:59	JMP	TAL BUF
Total/NA	Analysis	8270D		1	563133	12/15/20 01:32	JMM	TAL BUF
Total/NA	Prep	3005A			563075	12/14/20 10:39	ADM	TAL BUF
Total/NA	Analysis	6010C		1	563249	12/14/20 20:39	LMH	TAL BUF
Total/NA	Prep	9012B			562988	12/11/20 19:21	ALT	TAL BUF
Total/NA	Analysis	9012B		1	563018	12/12/20 12:04	CRK	TAL BUF

Laboratory References:

TAL BUF = Eurofins TestAmerica, Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Accreditation/Certification Summary

Client: Parsons Corporation
Job ID: 480-179236-1
Project/Site: Honeywell - Tonawanda Plastics

Laboratory: Eurofins TestAmerica, Buffalo

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
New York	NELAP	10026	04-01-21

Method Summary

Client: Parsons Corporation
Job ID: 480-179236-1
Project/Site: Honeywell - Tonawanda Plastics

Method	Method Description	Protocol	Laboratory
8260C	Volatile Organic Compounds by GC/MS	SW846	TAL BUF
8270D	Semivolatile Organic Compounds (GC/MS)	SW846	TAL BUF
6010C	Metals (ICP)	SW846	TAL BUF
9012B	Cyanide, Total andor Amenable	SW846	TAL BUF
3005A	Preparation, Total Metals	SW846	TAL BUF
3510C	Liquid-Liquid Extraction (Separatory Funnel)	SW846	TAL BUF
5030C	Purge and Trap	SW846	TAL BUF
9012B	Cyanide, Total and/or Amenable, Distillation	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 = Eurofins TestAmerica, Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Sample Summary

Client: Parsons Corporation
Job ID: 480-179236-1
Project/Site: Honeywell - Tonawanda Plastics

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
480-179236-1	MW-14_12102020	Water	12/10/20 10:45	12/10/20 13:00	
480-179236-2	MW-140_12102020	Water	12/10/20 12:01	12/10/20 13:00	

Eurofins TestAmerica, Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Phone: 716-691-2600 Fax: 716-691-7991

Chain of Custody Record

eurofins | Environment Testing America

Client Information	Sampler:	Lab PM: Schove, John R	Carrier Tracking No(s): Self	COC No: 480-152728-33965.1
Client Contact: Mr. Jeff Poulsen	Phone:	E-Mail: John.Schove@Eurofinset.com		Page: Page 1 of 1
Company: Parsons Corporation				Job #:

Address: 180 Lawrence Bell Drive Suite 104	Due Date Requested:
City: Williamsville	TAT Requested (days):
State, Zip: NY, 14221	
Phone:	PO #: Purchase Order Requested
Email: jeffrey.poulsen@parsons.com	WO #:
Project Name: Honeywell - Tonawanda Plastics	Project #: 48023001
Site:	SSOW#:

Analysis Requested

Preservation Codes:

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, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8270D - PAH Semivolatiles	6010C - Metals (ICP) - Chromium	8260C - TCL VOCs	9012B - Cyanide, Total	Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	D	A	B		
MW-14-12102020	12/10/2020	1045	G	Water		X	6	3	9	3		MS/MSD
MW-140-12102020	12/10/2020	1201	G	Water			2	1	3	1		
				Water								
				Water								
				Water								

480-179236 Chain of Custody

Possible Hazard Identification	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
[X] Non-Hazard [ ] Flammable [ ] Skin Irritant [ ] Poison B [ ] Unknown [ ] Radiological	[ ] Return To Client [X] Disposal By Lab [ ] Archive For ____ Months
Deliverable Requested: I, II, III, IV, Other (specify)	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Taylor Schweigel	12/10/2020 1300	Parsons			
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time: 12/10/20 1300	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: 2.1 IR Gun

Login Sample Receipt Checklist

Client: Parsons Corporation

Job Number: 480-179236-1

Login Number: 179236

List Source: Eurofins TestAmerica, Buffalo

List Number: 1

Creator: Sabuda, Brendan 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	2.2 #1 ICE
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	
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	True	
Chlorine Residual checked.	True	