

**Site Investigation Report Addendum**  
**Response to WDNR Review of Site Investigation Report Addendum**

**Former Chilton Plating and Adjacent Parcels**  
**420-476 East Main Street, Chilton, Wisconsin**

**U.S. EPA Brownfields Assessment Cooperative Agreement No.:**  
**BF-00E02494**

**Assessment, Cleanup and Redevelopment Exchange System ID:**  
**176001**

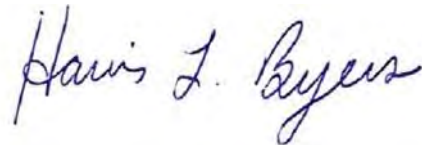
**WDNR BRRTS #02-08-000040**  
**FID #: 408026300**



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# 1.0 Introduction

## 1.1 General

The Sigma Group, Inc. (Sigma) submitted a *Site Investigation Report Addendum* (Sigma, 2022) to the Wisconsin Department of Natural Resources (WDNR) in February 2022 for the former Chilton Plating Company Inc (Chilton Plating) facility located at 420-476 East Main Street, Chilton, Wisconsin and adjacent parcels (herein referred to as “the Property” or “the Site”). In a letter correspondence dated June 2, 2022, the WDNR responded with a request for additional site investigation work to be completed at the Property. In response, Stantec Consulting Services, Inc. (Stantec) has prepared this Site Investigation Report (SIR) Addendum which provides the WDNR’s requests in bold italics, followed by Stantec’s responses to address those requests. Please use this information to complete the *Site Investigation Report Addendum* review. This report was prepared on behalf of Calumet County (the County) under the United States Environmental Protection Agency (USEPA) Brownfield Assessment Cooperative Agreement No. BF-00E02494. WDNR requests and applicable responses are provided in **Section 4**.

## 1.2 Site Description / Background

The location of the Property is illustrated on **Figure 1**. The Property consists of three contiguous parcels (denoted Parcels 1 - 3) totaling 4.2 acres of land and the adjoining reach of the South Branch of the Manitowoc River, as illustrated on **Figure 2**. Historic orthophotographs are included as **Figure 3** and Property reuse plans are attached as **Figure 4**.

Parcel 1 (Outlot; no address). The operational history of Parcel 1 was not directly addressed in the Sigma Phase I Environmental Site Assessment (ESA; Sigma, 2014). Although specific prior operations remain largely unknown, a large driveway apparently associated with the west-adjacent property was constructed across Parcel 1 by 1938 (**Figure 3**). The 2018 aerial photograph shows Parcel 1 as a vacant lot, with a southern portion of the parcel being paved and remaining portion covered with grass or trees (**Figure 3**).

Parcel 2 (420 East Main Street). According to the Phase I ESA (Sigma, 2014), Chilton Plating constructed a 26,000-square-foot, one-story building on Parcel 2 in 1960 and operated at the Property from 1960 through 2008. Sigma’s summary of prior use is generally in agreement with observable features on the 1938 and 2018 orthophotographs (**Figure 3**). Additionally, by 1938, the east half of Parcel 2 appears to be paved and occupied by several structures potentially associated with operations on the east-adjacent Parcel 3 (**Figure 3**).

Parcel 3 (476 East Main Street). As discussed in Phase I ESA (Sigma, 2014), several small structures existed on Parcel 3 from at least 1938 until the early 1980s. The use of these structures is unknown. Following review of aerial and satellite imagery, the structures appear to have been razed by the early 1980s, and the Property remained vacant through the present day.

## 1.3 Property Environmental Case History

WDNR Environmental Repair Program (ERP) cases associated with the Property and environmental cases on nearby properties is shown on **Figure 5**. A summary of contamination at the Property is described below.

**Parcel 1.** One open spill case at Parcel 1 is identified in the WDNR Bureau for Remediation and Redevelopment Tracking System (BRRTS) online database. The spill case appears to be associated with releases from Parcel 1 being investigated under BRRTS Case No. 02-08-000040, as described below.

- WDNR BRRTS Case No. 02-08-000040 CHILTON PLATING - ADJACENT PROP. This ERP case was opened for Parcel 1 in 2008 as part of the existing ERP case for Parcel 2, discussed below. The open spill case is associated with heavy metal and chlorinated volatile organic compounds (CVOC) impacts to soil and groundwater.

**Parcel 2.** Parcel 2 is identified in the WDNR BRRTS database related to the Property's former operation as a plating company. The WDNR BRRTS records are summarized below.

- WDNR BRRTS Case No. 07-08-562575 CHILTON PLATING CO INC (FORMER). This General Property listing is associated with a Wisconsin Assessment Monies (WAM) Contractor Service Grant awarded in fiscal year 2015. Sigma completed Phase I and Phase II Environmental Site Assessments using WAM funding in 2014 and 2015, respectively. Summaries of these reports are provided in **Section 2**.
- WDNR BRRTS Case No. 04-08-042966 420 E MAIN ST - BEHIND BLDG. This Hazardous Substance Spill (SPILL) listing is associated with a faulty drain channel, resulting in discharge of rinse water (which may have contained hydrochloric acid, a caustic cleaner, and ferric and/or zinc heavy metals) to the Manitowoc River via a storm sewer in 1998. Repairs were made to the system, and the SPILL case was closed.
- WDNR BRRTS Case No. 04-08-525402 CHILTON PLATING CO INC. This SPILL listing pertains to a release that occurred in 2004 when approximately 600 gallons of wastewater overflowed from a holding tank after a hose was mistakenly left running for too long. The wastewater may have included zinc, copper, sodium cyanide and/or sodium. Groundwater monitoring was performed, and the SPILL case was closed.
- WDNR BRRTS Case No. 04-08-049117 CHILTON PLATING. This case pertains to a release of approximately five gallons of non-chlorinated plating solvents to soil on the Property in 1993. Records suggest soil excavation occurred as a source control measure. The case was closed and transferred to the open ERP case (BRRTS Case No. 02-08-000040) for Parcel 2 in 1993 to facilitate further investigation.

The following open ERP case is noted in the WDNR BRRTS database.

- WDNR BRRTS Case No. 02-08-000040 CHILTON PLATING CO INC. This ERP listing pertains to CVOC-related soil and groundwater impacts identified at Parcel 2. The WDNR completed ERP-related investigation activities at Parcel 2 as part of an area-wide groundwater investigation to determine the source of CVOCs identified in a municipal well located southeast of the Property between 1991 and the early 2000's. Based on the investigation activities completed to date, which identified CVOC impacts within the shallow soil at Parcel 2, the release(s) at Parcel 2 may have impacted Parcel 3 and the identified municipal well. As noted in **Section 2**, additional constituents were subsequently detected at the Property. This ERP case currently remains open.

As described in the Phase I ESA, Parcel 2 was identified by a number of environmental databases in addition to BRRTS, including Comprehensive Environmental Response, Compensation, and Liability Information System (CERCLIS), Resource Conservation and Recovery Act (RCRA), Solid and Hazardous Waste Information Management Systems (SHWIMS), Wisconsin Manifest, Facility Index Listing (FINDS), and Toxic Release Inventory System (TRIS) databases (Sigma, 2014). Notes pertinent to these database listings compiled by Sigma are summarized below.



- The CERCLIS listing pertains to the USEPA's removal of hazardous wastes from the Property between June and October 2011. The hazardous wastes removed included flammables, corrosives, and oxidizers left at Parcel 2 following the closure of Chilton Plating in 2008.
- The RCRA, SHWIMS, FINDS, and Wisconsin Manifest database listings pertain to the historic RCRA generator activities conducted by Chilton Plating. Chilton Plating was historically listed as a large quantity generator (LQG), indicating that the company generated more than 1,000 kilograms of hazardous waste per month of spent halogenated solvents (trichloroethene [TCE] sludge) and/or electroplating wastewater between 1980 and 2006. RCRA violations for the Property were reported in 1987, 1988, and 1991. Compliance was ultimately achieved for each of the violations.

**Parcel 3.** One open spill case at Parcel 3 is identified in the WDNR BRRTS database (Case No. 02-08-000632). The spill case appears associated with solvent-related groundwater impacts migrating from Parcel 2 onto Parcel 3.

## 2.0 Previous Environmental Investigations

Multiple phases of environmental investigations have been conducted at the Property since 1988 to identify potential and known contamination associated with the long-term use of the Property for the Chilton Plating Company [Sigma (2014, 2015, 2019, 2022) and Stantec (2024)].

### Pre-2014 Phase II ESAs.

Per a summary of known site investigations included in the Sigma (2015) Phase II ESA, the following constituents were historically detected in soil/groundwater:

- At Parcel 2, subsurface investigations completed by STS Consultants and Badger Laboratories and Engineers in 1988 and 1992, respectively, detected nickel, cyanide, and CVOCs (including 1,2-dichloroethane, tetrachloroethane and trichloroethane) at concentrations greater than applicable historic soil and groundwater standards.
- At Parcel 2, subsurface site investigation activities completed by Foth Infrastructure and Environment, LLC in 1999 noted CVOC impacts to soil exceeding WDNR residual contaminant levels (RCLs) at depths generally greater than six feet below ground surface.

### AAI Phase I Environmental Site Assessment – Sigma, December 2014

All parcels were included as part of this assessment, and the following Recognized Environmental Condition (RECs) were identified:

- Parcel 2 was occupied by a plating company from 1960 through 2008. Given the industrial history and known hazardous/petroleum-related material use and storage onsite, Parcel 2 may have been negatively impacted by the industrial-related activities.
- ERP releases associated with chlorinated-related and heavy metal-related soil and groundwater impacts were identified at Parcel 1 (BRRTS #02-08-551794) and Parcel 2 (BRRTS #02-08-000040). Based on the investigation completed to date, the release(s) at Parcel 2 (former Chilton Plating) have been identified as a potential source of the CVOC groundwater plume which has impacted Parcel 3 and the former municipal well located southeast of the Property.
- The South Branch of the Manitowoc River historically extended on to the northern portions of the Property in the early 1900's. The quality of the fill material historically placed within the former river area on the northern portion of Parcels 1 and 2 is unknown and subsequently has the potential to negatively impact the Property.
- An ERP release has been reported at the Larson Cleaners property located at 317 East Main Street, approximately 500 feet west of the Property. According to the WDNR, the Larson Cleaners site has been identified as a potential source for the CVOC impacts reported within the municipal well located southeast of the Property. Therefore, it is possible that the Larson Cleaners release may be contributing to the CVOCs concentrations identified within the groundwater at the Property parcels.

### Phase II Environmental Site Assessment – Sigma, October 2015

Sigma completed a Phase II ESA in 2015 to assess CVOCs and metals contamination at the Property and noted the following:

- In soil, CVOCs, petroleum volatile organic compounds (PVOCs), lead, and cyanide were

detected at concentrations greater than the soil to groundwater pathway RCL at Parcel 2. Hexavalent chromium was reported at concentrations greater than the industrial direct contact RCL in the central portion of the former Chilton Plating facility building.

- In groundwater, CVOCs, methyl tert-butyl ether, and hexavalent chromium were detected at concentrations greater than the Preventative Action Limit (PAL) and/or Enforcement Standard (ES) at Parcel 2.

#### Summary of Site Investigation & Conceptual Remedial Action Plan – Sigma, March 2019

In 2019, Sigma completed supplemental soil, groundwater, sediment, and sub-slab soil vapor sampling at the Property and made the following conclusions:

- Sediment sampling conducted north of Parcel 2 within the South Branch of the Manitowoc River indicated that the concentration of nickel was greater than the Probable Effect Concentration (PEC) Consensus-Based Sediment Quality Guideline (CBSQG). Sediment samples taken upstream and downstream from Parcel 2 did not contain nickel concentrations greater than the PEC CBSQG.
  - Sub-slab soil vapor testing performed within the former Chilton Plating facility building footprint indicated a risk for vapor intrusion.
  - PVOC, CVOC and hexavalent chromium impacts to groundwater were investigated; however, WDNR indicated that impacts were not yet fully delineated. The groundwater plume on the Property abuts to the South Branch of the Manitowoc River, and additional investigation was warranted to evaluate impacts to the river.
- Based on this information, Sigma proposed the following conceptual remedial action plan for the Property:
  - Remedial excavation of select CVOC and metal-impacted soil,
  - Additional soil management and capping as a part of proposed redevelopment,
  - Engineered controls (vapor intrusion mitigation system) to be incorporated into the proposed site redevelopment, and
  - Groundwater natural attenuation monitoring.

#### Site Investigation Review – Wisconsin Department of Natural Resources, October 2019

On October 18, 2019, the WDNR sent a response letter to the City of Chilton after reviewing the *Summary of Site Investigation & Conceptual Remedial Action Plan* prepared by Sigma in March 2019. The WDNR requested additional site investigation work to be completed as follows:

- Additional sediment sampling should be considered within the South Branch of the Manitowoc River. Depending on the degree and extent of contamination, remedial action may be necessary.
- Utility corridors should be evaluated as conduits for groundwater and vapor migration.
- The vapor intrusion pathway will need to be accounted for in any construction or remodeling of current structures, as CVOC vapors were identified during sub-slab sampling.
- The degree of metals and CVOC contamination in soil is not defined on Parcel 1; additional soil samples in the building under the plating lines should be considered to better define the degree and extent of metal contamination (hexavalent chromium). Additional sampling of nickel and lead should be performed on the eastern and western portions of Parcel 2. Additional CVOC soil sampling should be considered on Parcel 1, the eastern portion of Parcel 3, and

offsite across Main Street to the southeast.

- Groundwater monitoring wells should be sampled for per- and polyfluoroalkyl substances (PFAS) and metals, including hexavalent chromium. Additional wells should also be installed to the east and west of the building on Parcel 2, and potentially in other areas depending on the resampling of the current network.
- In groundwater, the source of methyl tert-butyl ether observed on Parcel 2 needs to be evaluated.
- CVOCs in groundwater likely need to be defined laterally (south of monitoring well CPMW04A) to determine whether groundwater contamination extends across Main Street, and vertically by installing a piezometer near MW-3/CPMW-03.

Summary of Site Investigation Addendum – Sigma, February, 2022

Sigma completed supplemental soil, groundwater, vapor, and sediment sampling for a *Site Investigation Addendum* intended to address the items mentioned in the 2019 WDNR SI Review.

Site Investigation Addendum Review – Wisconsin Department of Natural Resources, June 2022

On June 2, 2022, the WDNR sent a response letter to the City of Chilton after reviewing the *Site Investigation Addendum* prepared by Sigma in February 2022 with following conclusions:

- Additional soil samples conducted along plating lines at the former Chilton Plating building confirmed the presence of VOCs, nickel, hexavalent chromium, and cyanide greater than WI NR720 groundwater pathway, non-industrial direct contact, and industrial direct contact RCLs, and helped to further define the extent of soil impacts within the former building. The presence of PFAS constituents in soil was confirmed, though not at concentrations exceeding RCLs.
- Further soil sampling to the east and west of the former building confirmed presence of VOCs, nickel, and lead greater than their respective NR 720 groundwater pathway RCLs.
- Soil sampling was conducted on Parcel 2 to investigate the source of methyl tert-butyl ether (MTBE) contamination in groundwater. Three soil borings were advanced in the vicinity of SMW-3 and CPMW03, however VOCs were not detected in any of the soil samples.
- Hand auger soil sampling was completed north of the former building and indicated elevated concentrations of hexavalent chromium present in soil.
- Groundwater sampling for PFAS, VOCs, and metals indicate that PFAS and VOC contamination is limited to the immediate area of the former building, apart from MTBE, which was also detected to the southeast of the building. Manganese was detected in groundwater throughout Parcels 2 and 3.
- Analytical results from sediment samples collected within the South Branch Manitowoc River in 2021 contained detectable concentrations of hexavalent chromium, cadmium, nickel, zinc, and cyanide; however, the reported concentrations did not exceed Threshold Effect Concentrations (TECs).
- Based on the results of vapor samples collected within the sanitary sewer laterals and the main within the E. Main Street right-of-way (ROW), CVOCs associated with the Property do not appear to be migrating within the sanitary sewer utility. Additionally, the connection between the sanitary laterals and the main line within the E. Main Street ROW was plugged as part of demolition activities associated with the former Property buildings in November/December 2020.

## 3.0 Methods

Stantec prepared a *Site-Specific Sampling and Analysis Plan* (SSSAP; Stantec, 2024) to address remaining environmental concerns associated with the Property that were identified by Sigma (2022) and others, and data gaps noted by the WDNR (2022) response letter. The primary objective for this SSI was to further delineate the horizontal and vertical extent of hexavalent chromium impacts to soil north/northwest of the previous Sigma (2022) soil sampling location HA-1, as well as confirm the current magnitude of constituents previously detected in groundwater at concentrations exceeding one or more health-based groundwater standard to address WDNR (2022) comments.

### 3.1 Geophysical Survey

On April 30, 2024, Ground Penetrating Radar Systems LLC (GPRS) conducted a geophysical survey at the Property using ground penetrating radar (GPR) to investigate a 10-foot radius surrounding each proposed borehole location. Public utilities were marked prior to the private locate and were verified by GPRS.

### 3.2 Soil Quality Assessment

On May 6, 2024, Horizon Construction and Exploration, LLC (Horizon) advanced 14 soil borings on the Property using direct-push dual-tube Geoprobe® drilling methods. Soil samples were collected continuously from each borehole, and each borehole extended downward to five feet below ground surface (bgs), or to the water table. Soil boring locations are illustrated on **Figure 6**.

Soil samples were visually and physically examined by Stantec field geologists and observations made of the general lithology (percentages of gravel, sand, silt, and clay), visible layering, evidence of non-native fill/anthropogenic material, indications of chemical or other staining, odors, and other distinctive features. Field observations are described on soil borehole logs provided in **Appendix A**. Following sampling, all soil borings were abandoned with bentonite per NR 141.25 Wisconsin Administrative Code (WAC) requirements.

Portions of soil from approximately every two-foot interval or for every change in lithology were field screened for the presence of VOCs using a photoionization detector (PID) equipped with an 11.7 electronvolt lamp and calibrated to 100 parts per million as isobutylene. PID readings were recorded on the soil boring logs presented in **Appendix A**. Soil cuttings generated at the Property as part of this event were left adjacent to the soil boring locations.

A minimum of one soil sample was collected from 0.5 feet below the ground surface (ft bgs) at each soil boring. Depending on boring location, additional soil samples were collected from 1 to 1.5 ft bgs and from 4 to 5 ft bgs to correspond with Sigma's prior sample depth intervals. Soil samples selected for analysis were placed directly into laboratory-supplied containers, preserved as appropriate, and immediately placed in a cooler on ice for shipping to Eurofins Chicago in University Park, Illinois, under a chain of custody for analysis. Soil samples were analyzed for hexavalent chromium (EPA Method 7196). Soil analytical results are compared to ch. NR720 soil quality standards on **Table 1**. Laboratory reports are included in **Appendix B**. Soil analytical results are discussed in **Section 4**.

### 3.3 Groundwater Quality Assessment

On March 21, 2024, Stantec personnel sampled 14 existing monitoring wells and piezometers. Well locations are illustrated on **Figure 7**. Prior to well purging, depth to water was collected from each well using an electronic probe. Depth to groundwater measurements are provided on **Table 4** and the shallow groundwater table elevation is illustrated on **Figure 8**.

Each well was developed and purged prior to sampling in accordance with WAC ch. NR 141.21. After purging, groundwater parameters were collected using a YSI ProDSS Multiparameter Digital Water Quality meter for pH, conductivity, dissolved oxygen, and temperature readings. Following collection of groundwater parameters, groundwater samples were collected with a Voss disposable polyethylene bailer and pored directly into laboratory-supplied sample jars. Samples to be analyzed for dissolved metals (including hexavalent chromium) were field-filtered through an inline 0.45-micrometer disposable high-capacity filter capsule and poured directly into a laboratory-supplied sample jar containing a nitric acid preservative.

Groundwater samples were placed in laboratory-supplied sample containers, stored on ice, and sent under chain-of-custody procedures to Eurofins Chicago of University Park, Illinois for analysis of VOCs (Method 8260D), polycyclic aromatic hydrocarbons (PAHs; Method 8270D), dissolved RCRA metals (Method 6010D/7470A), PFAS (Method 537 MOD), hexavalent chromium (Method 7196), and amenable cyanide (Method 9010).

Groundwater laboratory analytical results are summarized on **Table 2** and groundwater laboratory PFAS results are summarized on **Table 3**. Laboratory reports included in **Appendix B**. Groundwater analytical results are discussed in **Section 4**.

## 4.0 Response to the WDNR Comments

### **1. Degree and extent of soil contamination is not complete. Additional sampling for hexavalent chromium is needed to the northwest of HA-1.**

- **Response:** Additional soil sampling and analysis for hexavalent chromium was completed in May 2024 to delineate extent of contamination to the northwest of HA-1. Locations of Stantec soil borings are illustrated on **Figure 6**. Hexavalent chromium was not detected in any of the soil samples submitted to the laboratory for analysis. Therefore, the horizontal and vertical extent of HA-1 hexavalent chromium in soil at the Property is complete.

### **2. Recommended another round of groundwater samples for VOCs, PAHs, PFAS, and RCRA metals from all monitoring wells for consistency with results.**

- **Response:** On March 21, 2024, Stantec performed a groundwater sampling event at the Property as described in **Section 3.3**. Groundwater field parameters, elevation measurements, and analytical results are described below.
  - **Field Parameters:** Field measurement parameter data sheets are presented in **Appendix C** and discussed below.
    - **Dissolved Oxygen** – Dissolved oxygen concentrations ranged from 1.7% to 75.2% indicating anerobic to aerobic conditions. No clear trend can be observed between dissolved oxygen in shallow monitoring wells compared to piezometers.
    - **Oxidation Reduction Potential (ORP)** – ORP values ranged from -70.2 to 175 millivolts, indicating anaerobic to aerobic conditions. All ORP measurements collected were representative of aerobic conditions except for SPZ-1.
    - **Specific Conductance** - Values for specific conductance ranged from 0.260 to 0.978 micro siemens per centimeter. The values suggest variable concentrations of total dissolved solids.
    - **pH** – Values for pH ranged from 6.60 to 7.16 which indicate generally neutral conditions. Groundwater from CPMW02 was measured as having a pH of 6.60, while the remaining wells were measured to be within 0.16 units greater than/less than a value of 7.0.
    - **Temperature** – Temperature measurements ranged from 7.10 to 11.09 degrees Celsius (°C). Groundwater temperature measured from piezometers were generally higher than shallow groundwater monitoring wells.
  - **Groundwater Elevation Measurements:** Shallow groundwater elevations at the Property ranged from 841.05 feet above mean sea level (ft amsl) to 843.84 ft amsl. The shallow groundwater isocontours indicate groundwater elevation decreases towards the South Branch of the Manitowoc River. Shallow groundwater contours from March 2024 are illustrated on **Figure 8**. Groundwater elevation measurements are tabulated on **Table 4**.

Stantec completed a groundwater sampling event at the Property to evaluate the concentration of VOCs, PAHs, RCRA Metals, PFAS, cyanide (total and amenable), and hexavalent chromium. The analytical results from the March 2024 groundwater sampling event are summarized below and tabulated on **Tables 2 and 3**.

**CVOCs** - A total of 14 groundwater samples were collected for laboratory analysis of VOCs during the March 2024 groundwater sampling event. Analytical results are discussed below for each monitoring well sampled in which one or more constituents exceeded health-based groundwater

standards. Results from the Stantec March 2024 groundwater sampling event are compared to concentrations from the Sigma May 2021 groundwater sampling event below.

- CPMW02: Tetrachloroethene (PCE) and TCE were detected in concentrations greater than their respective ES values in the March 2024 groundwater sampling event. Cis-1,2-dichloroethene was detected at a concentration greater than the PAL. The concentrations of TCE and PCE are generally comparable to the Sigma May 2021 groundwater sampling event. The concentration of cis-1,2-dichloroethene is one order of magnitude greater than the detection reported from the May 2021 groundwater sampling event, but within the range of detected concentrations reported in previous sample events performed at the Property.
- CPMW03: Cis-1,2-dichloroethene, trans-1,2-dichloroethene, TCE, and vinyl chloride were detected in groundwater at concentrations greater than their respective ES values. The concentrations of cis-1,2-dichloroethene and trans-1,2-dichloroethene are comparable to May 2021, and the concentration of TCE in March 2024 decreased from the May 2021 groundwater sampling event.
- CPMW04A: The concentrations of PCE and TCE in groundwater sampled during the March 2024 groundwater sampling event exceed their respective ES values. These concentrations are an order of magnitude greater than concentrations found in the May 2021 groundwater sampling event but are within the range of detected concentrations reported in previous sample events performed at the Property.
- CPPZ104: The concentrations of PCE and TCE in groundwater sampled during the March 2024 groundwater sampling event exceed their respective PAL values. These are comparable to the concentrations of PCE and TCE in May 2021.
- SMW-1: The concentrations of TCE and vinyl chloride in groundwater sampled during the March 2024 groundwater sampling event exceed their respective ES values, and the concentrations of cis-1,2-dichloroethene and PCE in groundwater exceed their respective PAL values. The concentrations of TCE and vinyl chloride are comparable to their respective concentrations in May 2021, and the concentrations of cis-1,2-dichloroethene and PCE in March 2024 decreased from the May 2021 groundwater sampling event.
- SMW-2: TCE was detected in groundwater sampled during the March 2024 groundwater sampling event at a concentration exceeding the PAL. This is comparable to the TCE concentration detected in May 2021.
- SMW-5: The concentrations of cis-1,2-dichloroethene, PCE, trans-1,2-dichloroethene, and TCE were detected at concentrations greater than their respective ES. The concentrations of TCE, cis-1,2-dichloroethene and trans-1,2-dichloroethene are generally comparable to their respective concentrations in May 2021, and the concentration of PCE in March 2024 decreased from the May 2021 groundwater sampling event.
- SMW-7: TCE was detected in groundwater during the March 2024 sampling event at a concentration greater than the ES, and PCE and cis-1,2-dichloroethene were detected at concentrations greater than their respective PALs. The concentration of TCE detected in the March 2024 sampling event is comparable to concentration in May 2021, and the concentration of PCE decreased from the May 2021 groundwater sampling event. The concentration of cis-1,2-dichloroethene detected in the March 2024 sampling event is an order of magnitude greater than the concentration reported in May 2021, but is the same order of magnitude and comparable to the detected concentration in the January 2021 sampling event.

Methylene chloride was detected at concentrations greater than the PAL in all groundwater samples submitted to the laboratory for analysis during the March 2024 event. However, the detections were “J-flagged,” indicating the concentration was greater than the limit of detection but less than the limit of quantitation, and that the detected concentration is approximate. The methylene chloride



exceedances were also “B-flagged” by the laboratory, indicating methylene chloride was detected in the internal laboratory blank. Therefore, the methylene chloride detections are considered a laboratory artifact and are not representative of the Property’s groundwater conditions.

CVOCs are constituents of concern (COCs) for groundwater at the Property. The concentrations of PCE and TCE are consistent with results from prior groundwater sample events conducted at the Property, indicating that the CVOC plume is stable. The concentrations of cis-1,2-dichloroethene, trans-1,2-dichloroethene, and vinyl chloride suggest that CVOCs at the Property are naturally attenuating via reductive dechlorination.

PVOCs – A total of 14 groundwater samples were collected for laboratory analysis of PVOCs as part of the March 2024 event. MTBE was detected at a concentration greater than the ES in SMW-3 and at a concentration greater than the PAL in CPMW04A. These detections are the same order of magnitude but have decreased from the concentrations reported in the Sigma May 2021 groundwater sampling event. MTBE was not detected at concentrations exceeding groundwater quality standards at the remaining groundwater monitoring wells sampled in March 2024.

PAHs - A total of 14 groundwater samples were collected for laboratory analysis of PAHs. Benzo(a)pyrene, benzo(b)fluoranthene, and chrysene were detected at concentrations greater than their respective PALs in groundwater sampled from SMW-7. However, each PAL exceedance at SMW-7 was “J” flagged by the laboratory, indicating the reported concentration was between the limit of detection and the limit of quantitation, and the reported concentration is an approximate value. Per NR140.14(3)(c), *if the PAL or ES is between the LOD and LOQ, the regulatory agency shall consider the PAL or ES to be attained or exceeded if the concentration of a substance is reported at or above the LOQ.* Since the benzo(a)pyrene, benzo(b)fluoranthene, and chrysene concentrations reported in SMW-7 are present **between** the LOD and LOQ and are not at or above the LOQ, benzo(a)pyrene, benzo(b)fluoranthene, and chrysene are not considered to have exceeded the PAL. Given the limited nature of PAH groundwater contamination identified in samples collected during March 2024 sampling event and the lack of quantifiable constituent detections at concentrations exceeding the PAL, further groundwater monitoring for PAHs is neither warranted nor required per NR140.

PAHs were not detected in the remaining groundwater samples submitted to the laboratory for analysis.

Dissolved RCRA Metals - A total of 14 groundwater samples were collected for laboratory analysis of dissolved RCRA metals. Results are summarized below and compared to prior groundwater sample events conducted by Sigma.

- SPZ-1: The concentration of dissolved arsenic in groundwater sampled from SPZ-1 during the March 2024 sampling event was greater than the PAL. Dissolved arsenic was not detected in May 2021.
- SMW-2: Total dissolved chromium was detected in groundwater collected from SMW-2 at a concentration greater than the PAL in March 2024, and has decreased from the May 2021 groundwater sampling event.
- SMW-3: The concentration of dissolved arsenic in groundwater sampled from SMW-3 during the March 2024 sampling event was greater than the PAL. Arsenic was not detected in groundwater from SMW-3 during the May 2021 sampling event.

- SMW-5: The concentration of dissolved cadmium in groundwater sampled from SMW-5 during the March 2024 sampling event was greater than the PAL. Dissolved cadmium was not detected in the May 2021 sampling event.
- CPMW02: Total dissolved chromium was detected in groundwater samples collected from CPMW02 at a concentration greater than the PAL, which is comparable to the May 2021 sampling event.
- CPMW03: Total dissolved chromium was detected in groundwater collected from CMPW03 at a concentration greater than the PAL in March 2024, and has decreased from the May 2021 groundwater sampling event.

Dissolved RCRA metals are COCs for groundwater at the Property. Given the concentrations of dissolved RCRA metals compared to prior sample events at the Property, dissolved RCRA metals do not appear to be migrating offsite, and the plume appears to be stable.

Dissolved Hexavalent Chromium - A total of five groundwater samples were collected for laboratory analysis of dissolved hexavalent chromium. Groundwater standards for dissolved hexavalent chromium have not been promulgated in the state of Wisconsin, however Stantec compared the dissolved hexavalent chromium detections from the March 2024 groundwater sampling event to the Wisconsin Department of Health Services (WDHS) proposed groundwater standards on **Table 2**, for reference only.

- CPMW02: The concentration of hexavalent chromium in groundwater sampled from CPMW02 was 0.089 milligrams per liter (mg/L). This concentration is the same order of magnitude and approximately equal to the detected concentration of 0.080 mg/L in the May 2021 sampling event.
- CPMW03: The concentration of hexavalent chromium in groundwater sampled from CPMW03 was 0.078 mg/L. This concentration is the same order of magnitude and approximately equal to the concentration of 0.087 mg/L detected during the May 2021 groundwater sampling event.
- SMW-2: The concentration of hexavalent chromium in groundwater sampled from SMW-2 was 0.017 mg/L. Hexavalent chromium was not detected in groundwater sampled from SMW-2 during the May 2021 groundwater sampling event.
- SMW-5: The concentration of hexavalent chromium in groundwater sampled from SMW-5 was 0.007 mg/L. This concentration is two orders of magnitude less than the concentration of 0.21 mg/L detected during the May 2021 groundwater sampling event.
- SPZ-1: The concentration of hexavalent chromium in groundwater sampled from SPZ-1 was 0.016 mg/L. Hexavalent chromium was not detected in groundwater sampled from SPZ-1 during the May 2021 groundwater sampling event.

Of note, all of the dissolved hexavalent chromium detections were qualified with a “B” flag from the laboratory, meaning the compound was detected in the laboratory internal blank sample. As listed in the laboratory report provided in **Appendix C**, the concentration of dissolved hexavalent chromium in the laboratory blank sample was detected at a concentration of 0.0043 mg/L.

Furthermore, the hexavalent chromium detection in the groundwater sample from SMW-5 was qualified with a “J” flag, meaning the detected concentration is greater than the laboratory detection limit but less than the limit of quantitation; therefore, the reported concentration is an estimated value.

With the exception of groundwater sampled from SMW-2 and SPZ-1, the remaining detections of dissolved hexavalent chromium have either decreased or not significantly changed in groundwater sampled from most Property wells compared to prior sample events conducted by Sigma.

Cyanide (Total and Amenable) – One groundwater sample (from SMW-5) was collected for laboratory analysis of total and amenable cyanide during the March 2024 groundwater sampling event. The concentration of amenable cyanide was less than the PAL in groundwater sampled from SMW-5 during the March 2024 sampling event. This concentration is the same order of magnitude but less than the detection reported in the May 2021 sampling event. Therefore, dissolved cyanide appears to be naturally attenuating at this location. Note that there is no groundwater standard for total cyanide.

PFAS - A total of 14 groundwater samples were collected for laboratory analysis of PFAS during the March 2024 groundwater sampling event. Groundwater standards for PFAS compounds have not been promulgated in the state of Wisconsin, however Stantec compared the PFAS detections from the March 2024 groundwater sampling event to the WDHS proposed groundwater standards for perfluorooctanesulfonic acid (PFOS) and perfluorooctanoic acid (PFOA) on **Table 3**, for reference only.

In summary, PFOS and PFOA were detected at concentrations greater than their proposed ES and/or PAL values. Additional PFAS constituents were detected in groundwater sampled from the Property, as illustrated on **Table 3**, however no proposed standards exist for the additional constituents.

During the Sigma March 2021 sample event, PFOS exceeded the WDHS proposed ES at all sample locations tested for PFAS constituents (SMW-1, SMW-2, SMW-5, CPWM02, and CPMW03). The concentrations of PFOS in 2021 were the same order of magnitude compared to the concentrations of PFOS detected in the 2024 sample event, with the exception of SMW-2, which was an order of magnitude less in 2024.

PFOA was detected at a concentration that exceeded WDHS proposed ES and/or PAL standards in all sample locations during the 2021 sample event. The PFOA concentrations in all sample detections had the same order of magnitude during both the 2021 and 2024 sample events with the exception of SMW-2, which decreased by an order of magnitude during the 2024 sample event.

Given the results of PFAS in 2024 compared to prior sample events at the Property, concentrations have remained relatively stable. PFAS is considered a COC for groundwater at the Property.

**3. Evaluate total chromium in sediment. The evaluation may be completed by sampling the sediment at locations of hexavalent chromium J-flag detection, or by sampling shallow soil along the riverbank (north of hand auger samples) for total chromium.**

- Response: On March 25, 2024, Karen Campoli (WDNR) replied to Stantec via email stating prior total chromium soil sample results are acceptable “and further sediment sampling (at the Property) is not required at this time”.

**4. Clarify why B-13, B-16, and B-17 are missing from the Table 1 Soil Analytical Data.**

- Response: Stantec researched files available on BRRTS and was unable to find analytical data corresponding to B-13, B-16, and B-17. Additional hand auger soil borings completed in May 1992

appear to not all have been analytically analyzed (i.e. B-12). It is possible that B-13, B-16, and B-17 were logged/screened but were not submitted for laboratory analysis. However, the lack of analytical data from B-13, B16, and B-17 does not appear to constitute a data gap within this portion of the Property, as Sigma completed hand auger borings (HA-12 through HA-16) and submitted for laboratory analysis in 2020 within the vicinity of B-13, B-16, and B-17.

**5. Redraw lead delineation on figures and include in future submittals. The lead BTV cannot be used for this site, no metal samples were collected from the Schneider Property (East property), but low levels of lead in the NW corner, not near manufacturing activities; therefore, there is a lead source present onsite.**

- Response: Stantec modified *Figure 10* from the Sigma (2022) SIR to show lead exceedances greater than health-based soil standards excluding the lead BTV value. The updated lead soil impact isoconcentration line is illustrated on **Figure 9**

## 5.0 Conclusions

As discussed in Section 4, the concentrations of VOCs, PAHs, dissolved RCRA Metals, dissolved hexavalent chromium, PFAS, and cyanide in groundwater are stable compared to prior sample events. The concentrations of cis-1,2-dichloroethene, trans-1,2-dichloroethene, and vinyl chloride suggest that CVOCs at the Property are naturally attenuating via reductive dechlorination. Hexavalent chromium was not detected in the soil borings advanced by Stantec in 2024, therefore additional hexavalent chromium soil sampling is not warranted at this time.

Stantec is requesting WDNR concurrence that the analytical results from the May 2024 soil sampling event at the Property discussed within this Site Investigation Report Addendum adequately addresses WDNR comments outlined in the June 2, 2022 letter correspondence. Additionally, Stantec requests WDNR concurrence that the source, extent, and magnitude of VOCs, PAHs, dissolved RCRA Metals, dissolved hexavalent chromium, PFAS, and cyanide is known, and that no further work is warranted investigating these constituents in groundwater.

Upon receiving concurrence on the above from the WDNR, Stantec will complete a Remedial Action Options Evaluation per ch. NR722 to determine next steps for the remediation of CVOCs and hexavalent chromium in groundwater.

Thank you for your continued assistance with this project. We look forward to your input on this. Please do not hesitate to contact me with any questions related to this request.

## 6.0 References

- Sigma, 2014. AAI Phase I Environmental Site Assessment; 415, 420, and 476 E Main Street and East Adjoining Property. December 2014.
- Sigma, 2015. Phase II Environmental Site Assessment, McNeely & Schneider Properties, Chilton, Wisconsin. October 22, 2015.
- Sigma, 2019. Summary of Site Investigation & Conceptual Remedial Action Plan, Former Chilton Plating Co., Inc. & Adjacent Property, 420 E. Main Street, Chilton, Wisconsin. May 2019.
- Sigma, 2022. Site Investigation Report Addendum, Chilton Plating Company, Inc. 420 East Main Street, Chilton, Wisconsin. February 2022.
- Stantec, 2024. Site-Specific Sampling and Analysis Plan, Former Chilton Plating and Adjacent Parcels; Chilton, Wisconsin. March 5, 2024.
- WDNR, 2019. Site Investigation Review, Chilton Plating, Chilton Plating Adjacent Property, and Schneider Property. BRRTS# 02-08-000632, 02-08-000040, and 02-08-551794. October 18, 2019.
- WDNR, 2022. Review of Site Investigation Report – Additional Investigation Needed, Chilton Plating Co. Inc, 420 East Main Street, Chilton, WI. WDNR BRRTS #: 02-08-000040, FID #: 408026300. June 2, 2022.
- WDNR, 2024. “Supplemental Sediment Data from Chilton Plating (BRRTS ID 02-08-000040).” Received by Byers, Harris. March 25, 2024.

## 7.0 Limitations

The conclusions in this report are Stantec's professional opinion, as of the time of the report, and concerning the scope described in the report. The opinions in the document are based on conditions and information existing at the time the document was published and do not take into account any subsequent changes. This report relates solely to the specific project for which Stantec was retained and the stated purpose for which the report was prepared. This report is not to be used or relied on for any variation or extension of the project, or for any other project or purpose, and any unauthorized use or reliance is at the recipient's own risk.

Stantec has assumed all information received from the County and third parties in the preparation of this report to be correct. While Stantec has exercised a customary level of judgment or due diligence in the use of such information, Stantec assumes no responsibility for the consequences of any error or omission contained therein.

This letter is intended solely for use by the County in accordance with Stantec's contract with the County. While this letter may be provided to applicable authorities having jurisdiction and others for whom the County is responsible, Stantec does not warrant the services to any third party. This letter may not be relied upon by any other party without the express written consent of Stantec, which may be withheld at Stantec's discretion.

## **Figures**



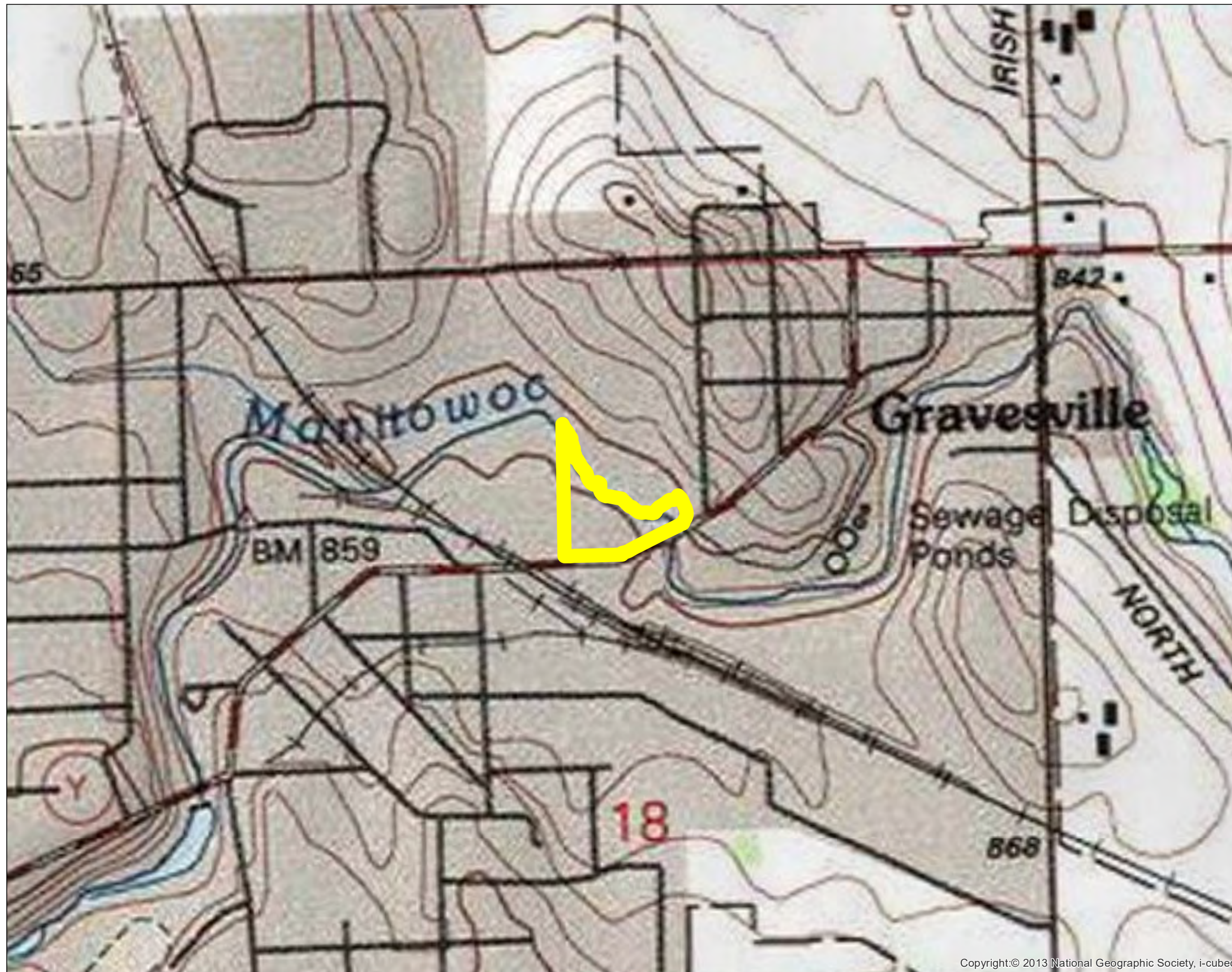
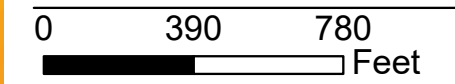


Figure No.  
**1**  
 Title  
**Site Investigation Project Area  
 and Regional Topography**

Client/Project  
 Former Chilton Plating Investigation Area  
 420 - 476 East Main Street  
 Chilton, Wisconsin



**Legend**

 Site Investigation Project Area

Notes  
 1. Coordinate System: NAD 1983 StatePlane Wisconsin South FIPS  
 4803 Feet

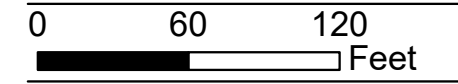






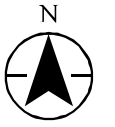
Figure No.  
**2**  
 Title  
**Site Investigation Project Area  
 and Target Parcels**

Client/Project  
 Former Chilton Plating Investigation Area  
 420 - 476 East Main Street  
 Chilton, Wisconsin



**Legend**

- Parcels
- Site Investigation Project Area
- Target Parcels with Property Identification Numbers**
- Parcel 1 - Outlot
- Parcel 2 - 420 East Main Street
- Parcel 3 - 476 East Main Street



Notes  
 1. Coordinate System: NAD 1983 StatePlane Wisconsin South FIPS 4803 Feet  
 2. 2021 Orthophotograph provided by Calumet County





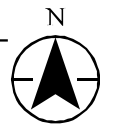
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Source: Calumet County

Date: 2018  
Source: Calumet County





Figure No.  
**3**  
Title  
**Site Investigation Project Area  
and Historic Orthophotographs**

Client/Project  
Former Chilton Plating Investigation Area  
420 - 476 East Main Street  
Chilton, Wisconsin

0 125 250 Feet  
Project: 193706343  
Prepared by HLB on 5/12/2020



### Legend

-  Site Investigation Project Area
- Target Parcels**
-  Parcel 1 - Outlot
-  Parcel 2 - 420 East Main Street
-  Parcel 3 - 476 East Main Street

Notes  
1. Coordinate System: NAD 1983 StatePlane Wisconsin South FIPS 4803 Feet

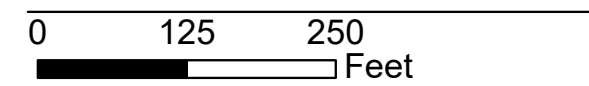











Figure No. **4**  
 Title  
**Site Investigation Project Area  
 and Brownfield Database Records**




Client/Project  
 Former Chilton Plating Investigation Area  
 420 - 476 East Main Street  
 Chilton, Wisconsin



**Legend**

-  Site Investigation Project
-  WDNR - Open ERP Cases (5)
-  WDNR - Closed Sites (13)
-  Impacted Another Property
-  WDNR - Continuing Obligations (4)

**Target Parcels**

-  Parcel 1 - Outlot
-  Parcel 2 - 420 East Main Street
-  Parcel 3 - 476 East Main Street

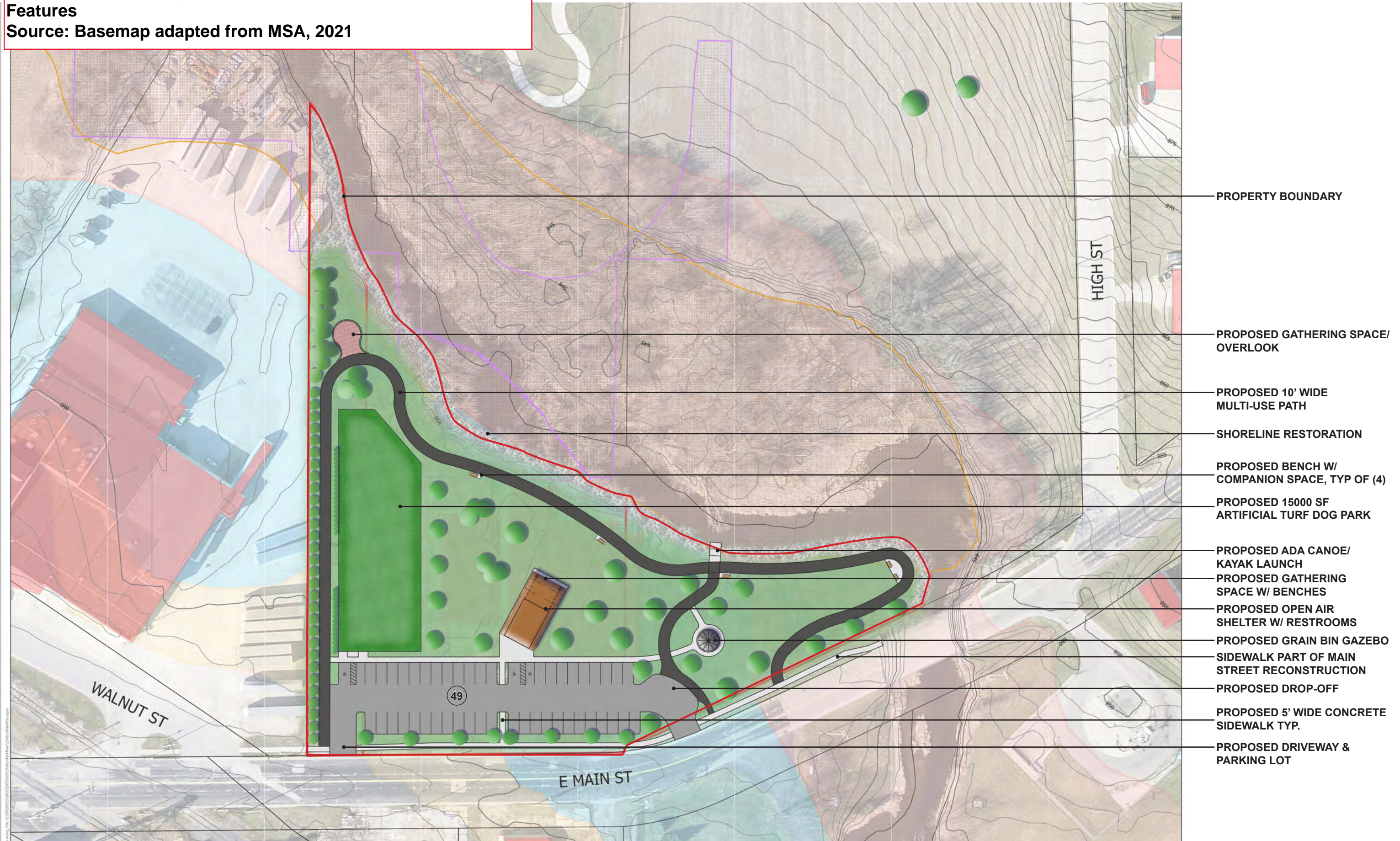
Notes  
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 4803 Feet





**Figure 4 - Site Investigation Project Area and Proposed Reuse Features**

Source: Basemap adapted from MSA, 2021





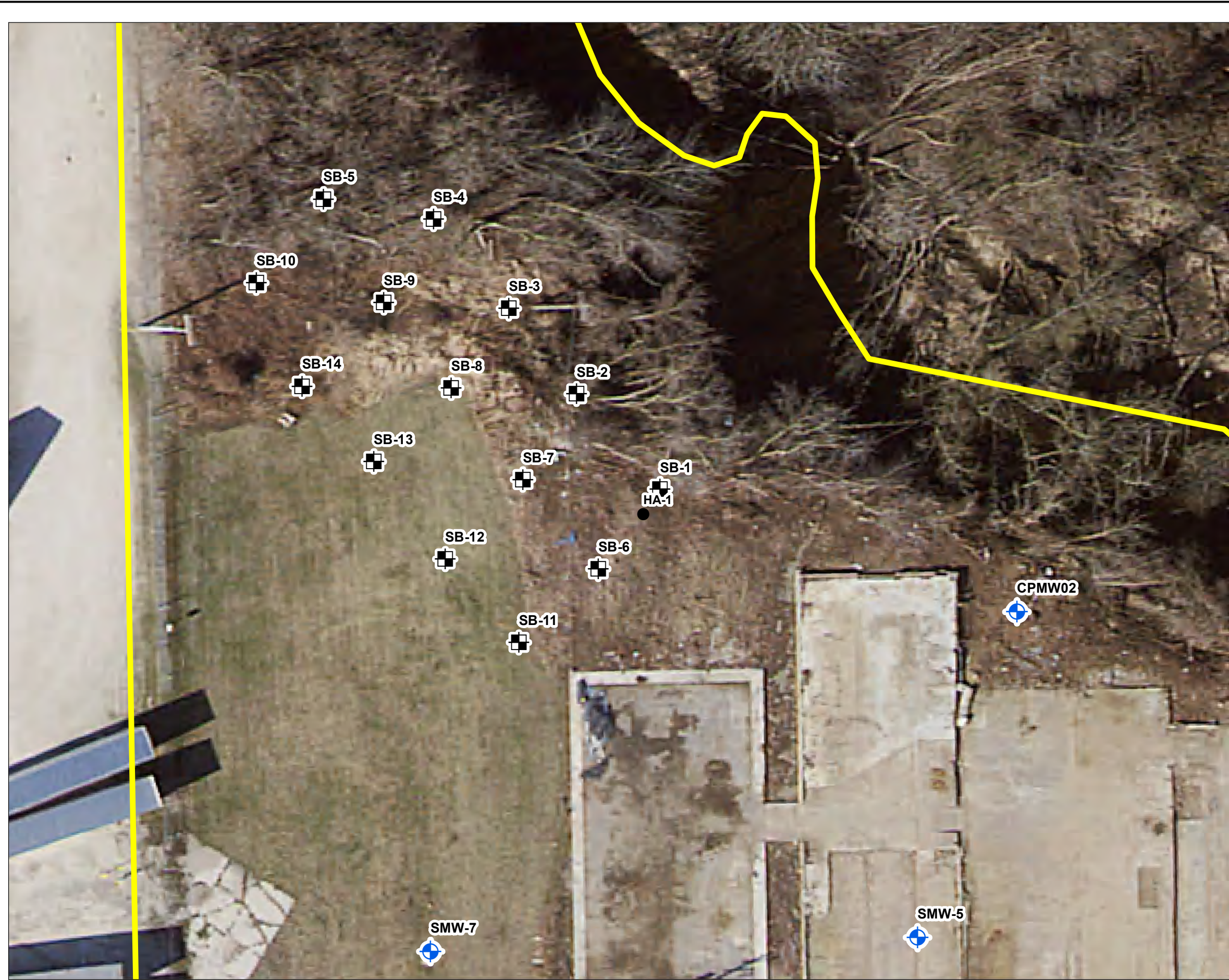
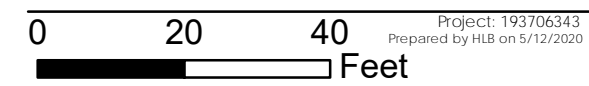


Figure No.  
**6**  
 Title  
**Site Investigation Project Area and  
 2024 Stantec Soil Borings**

Client/Project  
 Former Chilton Plating Investigation Area  
 415-420 East Main Street  
 Chilton, Wisconsin



**Legend**

- Stantec (2024) Soil Boring Locations
- Sigma (2021) Sample Location

- Type**
- Existing Monitoring Well
  - Site Investigation Project Area

Notes  
 1. Coordinate System: NAD 1983 StatePlane Wisconsin South FIPS 4803 Feet  
 2. Orthophotograph: Calumet County, 2021.





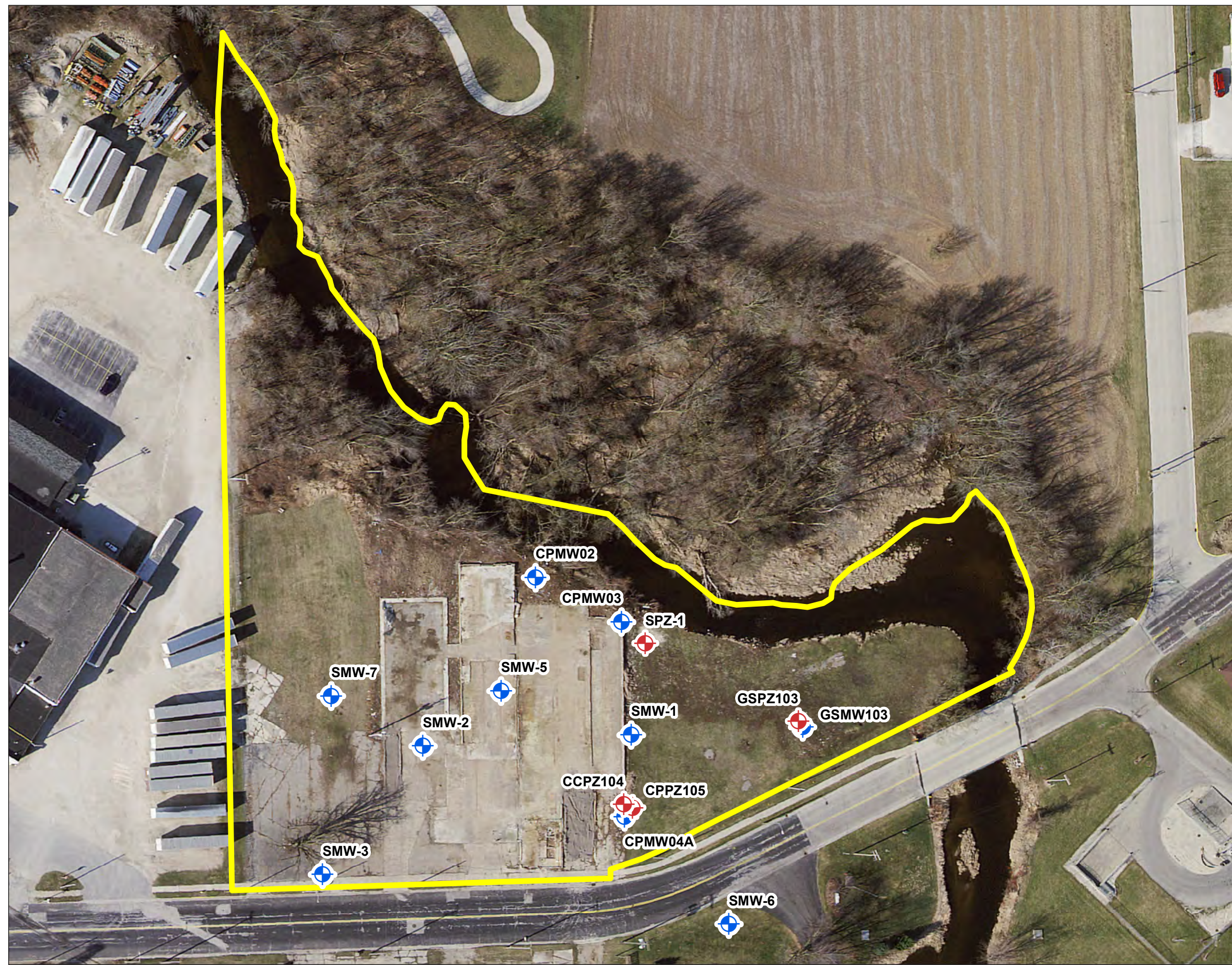
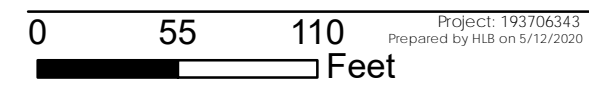





Figure No.  
**7**  
 Title  
**Site Investigation Project Area and Groundwater Wells**

Client/Project  
 Former Chilton Plating Investigation Area  
 420-476 East Main Street  
 Chilton, Wisconsin



**Legend**

-  Monitoring Well
-  Piezometer
-  Site Investigation Project Area



Notes  
 1. Coordinate System: NAD 1983 StatePlane Wisconsin South FIPS 4803 Feet  
 2. Orthophotograph: Calumet County, 2021.





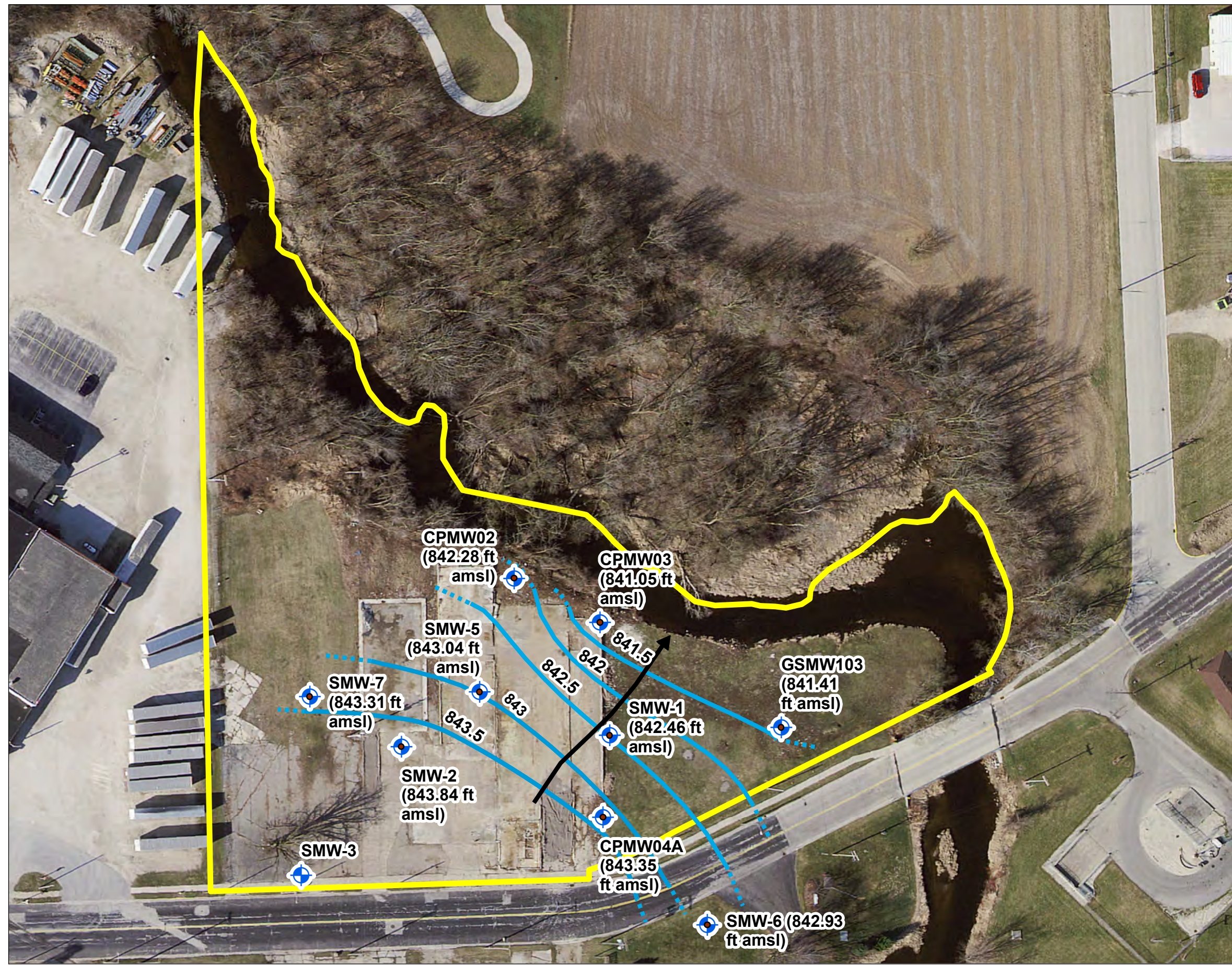
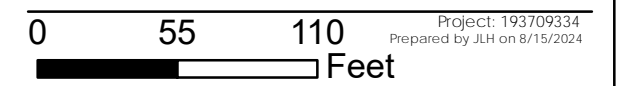


Figure No.  
**8**  
 Title  
**Site Investigation Project Area and  
 Shallow Groundwater Table Elevations**

Client/Project  
 Former Chilton Plating Investigation Area  
 420-476 East Main Street  
 Chilton, Wisconsin



**Legend**

- Monitoring Well
- Groundwater Flow Direction
- Groundwater Elevation (ft amsl - dashed where inferred)
- Site Investigation Project



Notes  
 1. Coordinate System: NAD 1983 StatePlane Wisconsin South FIPS 4803 Feet  
 2. Orthophotograph: Calumet County, 2021.  
 3. ft amsl = Feet above sea level  
 4. Groundwater elevation was not measured at SMW-3





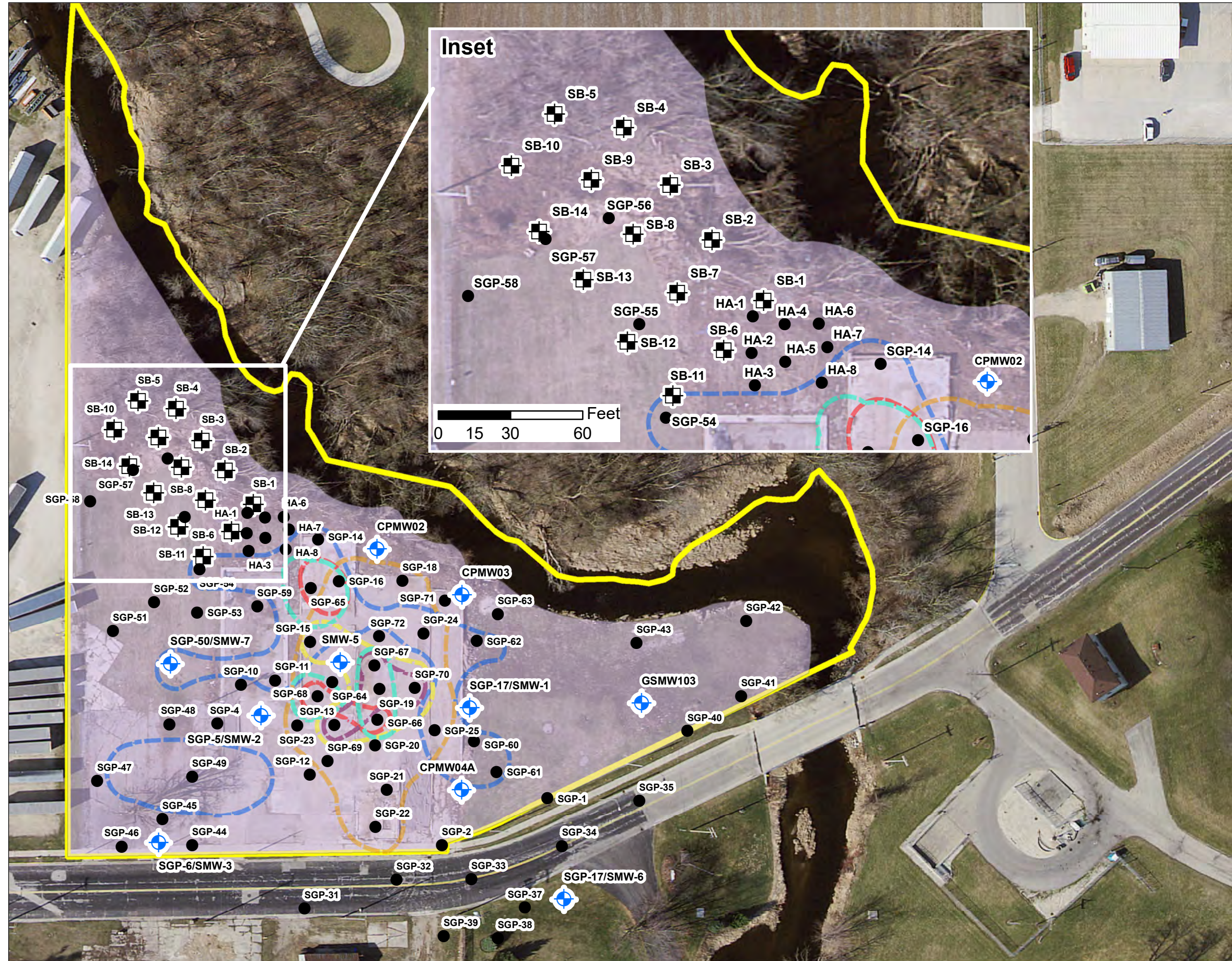


Figure No. 9  
 Title Soil Quality Map - Metals and Cyanide  
 Client/Project Former Chilton Plating Investigation Area  
 415-420 East Main Street  
 Chilton, Wisconsin  
 Project: 193709334  
 Prepared by JLH on 8/15/2024



**Legend**

- Sigma (2021) Soil Boring / Monitoring Well
- Sigma (2021) Soil Boring
- Stantec (2024) Soil Boring Locations

**Soil Impacts Exceeding Chapter NR 720**

- Hex Chrome > Industrial Direct Contact RCL
- Hex Chrome > Non-Industrial Direct Contact RCL
- Nickel > 500 mg/kg
- Cyanide > Soil to Groundwater RCL
- Hex Chrome > Soil to Groundwater RCL
- Lead > Soil to Groundwater RCL
- Nickel > Soil to Groundwater RCL
- Site Investigation Project Area

Notes  
 1. Coordinate System: NAD 1983 HARN WISCRS Calumet County Feet  
 2. Orthophotograph: Calumet County, 2021.  
 3. Sigma (2021) sample locations georeferenced by Stantec. All soil impact plumes adapted from Sigma (2021).  
 4. RCL = Residual Contaminant Level  
 5. > = Greater than  
 6. mg/kg = Milligrams per kilogram  
 7. Hex Chrome = Hexavalent chromium





# Tables

**Table 1 - Summary of Hexavalent Chromium in Soil**

Former Chilton Plating Co.  
 420-476 East Main St, Chilton, WI  
 BRRTS No.: 02-08-000040

Sample Location	Units	Wisconsin Industrial Direct Contact RCL	Wisconsin Non-Industrial Direct Contact RCL	Wisconsin Soil to Groundwater RCL	Wisconsin SBTV	SB-1			SB-2			SB-3		Dup-1	SB-4	SB-5	SB-6		
						05/06/2024			05/06/2024			05/06/2024		05/06/2024	05/06/2024	05/06/2024			
						1-2	3-4	4-4.75	0.5-1	2-3	4-5	0-1.25	1.25-2.5	0-1.25	0-1	1-2	0-1	2-3	4-5
<b>Detected Resource Conservation and Recovery Act Metals</b>																			
Chromium, Hexavalent	mg/kg	6.36	0.301	3.8	n/v	<0.45 F1	<0.38	<0.40	<0.39	<0.46	<0.37	<0.37	<0.40	<0.87	<0.40	<0.46	<0.41	<0.45	<0.34

**Notes:**

- Wisconsin SBTV Wisconsin Soil Background Threshold Value
- Wisconsin RCL Wisconsin Soil Residual Contaminant Levels (Ch. NR 720 WAC, 2018)
- 15.2 Measured concentration did not exceed the indicated standard
- <0.03 Analyte not detected greater than the laboratory reporting limit
- F1 Matrix spike and/or duplicate recovery exceeds control limits
- ft bgs Feet below ground surface
- mg/kg Milligrams per kilogram
- XX\* [XXX]** Standard in bold is the SBTV being used for the purpose of evaluation under ch. NR700 WAC. The established WAC RCL is noted in brackets

**Table 1 - Summary of Hexavalent Chromium in Soil**

Former Chilton Plating Co.  
 420-476 East Main St, Chilton, WI  
 BRRTS No.: 02-08-000040

Sample Location	Units	Wisconsin Industrial Direct Contact RCL	Wisconsin Non-Industrial Direct Contact RCL	Wisconsin Soil to Groundwater RCL	Wisconsin SBTV	SB-7			SB-8		SB-9	SB-10	Dup-2	SB-11			SB-12		SB-13	SB-14
						05/06/2024			05/06/2024		05/06/2024	05/06/2024		05/06/2024			05/06/2024		05/06/2024	05/06/2024
						0-1	1.75-2.25	3.5-4.5	0.5-1.5	3.75-4.5	0-1	1-2		0.5-1.5	1.5-2	2.5-3.5	0.5-1.5	3.5-4.75	0.5-1.5	0.5-1.25
<b>Detected Resource Conservation and Recovery Act Metals</b>																				
Chromium, Hexavalent	mg/kg	6.36	0.301	3.8	n/v	<0.43	<0.43	<0.38	<0.41	<0.37	<0.35	<0.38	<0.68	<0.74 F1	<0.92	<0.65	<0.83	<0.76	<0.77	<0.73

**Notes:**

Wisconsin SBTV	Wisconsin Soil Background Threshold Value
Wisconsin RCL	Wisconsin Soil Residual Contaminant Levels (Ch. NR 720 WAC, 2018)
15.2	Measured concentration did not exceed the indicated standard
<0.03	Analyte not detected greater than the laboratory reporting limit
F1	Matrix spike and/or duplicate recovery exceeds control limits
ft bgs	Feet below ground surface
mg/kg	Milligrams per kilogram
<b>XX* [XXX]</b>	Standard in bold is the SBTV being used for the purpose of evaluation under ch. NR700 WAC. The established WAC RCL is noted in brackets

**Table 2 : Summary of Detected Constituents in Groundwater Samples**

Former Chilton Plating Co.  
420-476 East Main St, Chilton, WI  
BRRTS No.: 02-08-000040

Detected Constituents	Units	ch. NR140 WAC, Public Health Groundwater Quality Standard, ES	ch. NR140 WAC, Public Health Groundwater Quality Standard, PAL	Sample ID										
				Sample Date										
				CPMW02	CPMW03	CPMW04A	CPPZ104	CPPZ105	GSMW103	GSPZ103	SMW-1	SMW-2	SMW-3	
				03/21/2024	03/21/2024	03/21/2024	03/21/2024	03/21/2024	03/21/2024	03/21/2024	03/21/2024	03/21/2024	03/21/2024	03/21/2024
Volatile Organic Compounds (VOCs)	1,1-Dichloroethene	UG/L	n/v	n/v	<0.39	1.8	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39
	1,3-Dichlorobenzene	UG/L	600	120	0.67 J	<0.40	0.81 J	<0.40	<0.40	<0.40	<0.40	<0.40	0.63 J	0.42 J
	Benzene	UG/L	5	0.5	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	0.16 J
	Chloroform	UG/L	6	0.6	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37	0.45 J
	Chloromethane	UG/L	30	3	<0.32	<0.32	0.97 J B	1.2 J B	<0.32	<0.32	<0.32	<0.32	<0.32	<0.32
	cis-1,2-Dichloroethene	UG/L	70	7	19	300	4.0	1.2	<0.41	0.96 J	<0.41	22	1.1	<0.41
	Methyl tert-butyl ether	UG/L	60	12	<0.39	<0.39	15	1.8	<0.39	2.4	<0.39	6.2	<0.39	110
	Methylene Chloride	UG/L	5	0.5	3.3 J B	3.0 J B	3.4 J B	3.4 J B	3.2 J B	3.2 J B	3.0 J B	3.0 J B	3.3 J B	3.4 J B
	Tetrachloroethene	UG/L	5	0.5	5.3	<0.37	5.0	0.67 J	<0.37	0.46 J	<0.37	3.9	<0.37	<0.37
	trans-1,2-Dichloroethene	UG/L	100	20	0.60 J	200	<0.35	<0.35	<0.35	<0.35	<0.35	5.7	<0.35	<0.35
	Trichloroethene	UG/L	5	0.5	33	500	5.7	1.0	0.34 J	0.33 J	<0.16	30	3.8	<0.16
Vinyl chloride	UG/L	0.2	0.02	<0.20	4.1	<0.20	<0.20	<0.20	<0.20	<0.20	5.2	<0.20	<0.20	
Polycyclic aromatic hydrocarbons (PAHs)	Benzo[a]anthracene	UG/L	n/v	n/v	<0.049	<0.047	<0.047	<0.047	<0.044	<0.046	<0.046	<0.047	<0.045	<0.048
	Benzo[a]pyrene	UG/L	0.2	0.02	<0.085	<0.082	<0.082	<0.082	<0.076	<0.080	<0.080	<0.081	<0.078	<0.083
	Benzo[b]fluoranthene	UG/L	0.2	0.02	<0.069	<0.067	<0.067	<0.067	<0.062	<0.065	<0.065	<0.066	<0.064	<0.068
	Benzo[k]fluoranthene	UG/L	n/v	n/v	<0.055	<0.053	<0.053	<0.053	<0.049	<0.052	<0.052	<0.053	<0.051	<0.054
	Chrysene	UG/L	0.2	0.02	<0.058	<0.057	<0.056	<0.057	<0.053	<0.055	<0.055	<0.056	<0.054	<0.057
	Dibenz(a,h)anthracene	UG/L	n/v	n/v	<0.044	<0.042	<0.042	<0.042	<0.039	<0.041	<0.041	<0.042	<0.040	<0.043
	Indeno[1,2,3-cd]pyrene	UG/L	n/v	n/v	<0.064	<0.062	<0.062	<0.062	<0.058	<0.060	<0.060	<0.061	<0.059	<0.063
RCRA Metals, Dissolved	Arsenic	UG/L	10	1.0	0.29 J	0.84 J	0.29 J	0.68 J	0.28 J	0.40 J	<0.23	0.33 J	<0.23	2.1
	Barium	UG/L	2,000	400	95	69	62	220	74	230	160	97	31	97
	Cadmium	UG/L	5	0.5	0.18 J	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17
	Chromium	UG/L	100	10	82	68	2.1 J	1.2 J	<1.1	<1.1	<1.1	4.6 J	10	<1.1
	Lead	UG/L	15	1.5	<0.19	<0.19	<0.19	1.2	<0.19	<0.19	<0.19	<0.19	<0.19	<0.19
General Chemistry	Cyanide, Total	MG/L	n/v	n/v	--	--	--	--	--	--	--	--	--	--
	Cyanide, Amenable	MG/L	0.2	0.04	--	--	--	--	--	--	--	--	--	--
	Chromium, Hexavalent, Dissolved	MG/L	7.00E-5 ^	7.00E-6 ^	0.089 B	0.078 B	--	--	--	--	--	--	0.017 B	--

Notes:

<xxx = compound not detected above the limit of detection

XXX = exceeds ch. NR140 WAC, Public Health Groundwater Quality Standards (PHGQS), Table 1, Preventative Action Limit

XXX = exceeds ch. NR141 WAC, Public Health Groundwater Quality Standards (PHGQS), Table 1, Enforcement Standard

n/v = no established PHGQS by ch. NR140 WAC

WAC = Wisconsin Administrative Code

PAL = preventative action limit

ES = enforcement standard

RCRA Resource Conservation and Recovery Act

UG/L Micrograms per liter

MG/L Milligrams per liter

-- = Not analyzed for constituent class

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

B Compound was found in the blank and the sample

+\* = LCS and/or LCSD is outside acceptance limits, high biased.

\* = DUP-1 was collected from SMW-5

^ = Proposed Wisconsin Department of Health Services (WDHS) groundwater standard listed on table for reference only.

**Table 2 : Summary of Detected Constituents in Groundwater Samples**

Former Chilton Plating Co.  
420-476 East Main St, Chilton, WI  
BRRTS No.: 02-08-000040

Detected Constituents	Units	ch. NR140 WAC, Public Health Groundwater Quality Standard, ES	ch. NR140 WAC, Public Health Groundwater Quality Standard, PAL	Sample ID						
				Sample Date						
				SMW-5	SMW-6	SMW-7	SPZ-1	DUP-1*	Trip Blank	
				03/21/2024	03/21/2024	03/21/2024	03/21/2024	03/21/2024	03/21/2024	
Volatile Organic Compounds (VOCs)	1,1-Dichloroethene	UG/L	n/v	n/v	0.73 J	<0.39	<0.39	<0.39	0.89 J	<0.39
	1,3-Dichlorobenzene	UG/L	600	120	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40
	Benzene	UG/L	5	0.5	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15
	Chloroform	UG/L	6	0.6	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37
	Chloromethane	UG/L	30	3	<0.32	<0.32	<0.32	<0.32	<0.32	<0.32
	cis-1,2-Dichloroethene	UG/L	70	7	160	0.59 J	17	0.84 J	160	<0.41
	Methyl tert-butyl ether	UG/L	60	12	<0.39	9.9	<0.39	1.9	<0.39	<0.39
	Methylene Chloride	UG/L	5	0.5	3.2 J B	3.3 J B	3.0 J B	3.2 J B	3.2 J B	3.2 J B
	Tetrachloroethene	UG/L	5	0.5	23	<0.37	0.90 J	<0.37	23	<0.37
	trans-1,2-Dichloroethene	UG/L	100	20	200	<0.35	2.2	<0.35	190	<0.35
	Trichloroethene	UG/L	5	0.5	470	0.37 J	200	<0.16	420	<0.16
Vinyl chloride	UG/L	0.2	0.02	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	
Polycyclic aromatic hydrocarbons (PAHs)	Benzo[a]anthracene	UG/L	n/v	n/v	<0.051	<0.047	0.18	<0.048	<0.048	--
	Benzo[a]pyrene	UG/L	0.2	0.02	<0.089	<0.082	0.11 J	<0.084	<0.084	--
	Benzo[b]fluoranthene	UG/L	0.2	0.02	<0.073	<0.067	0.14 J	<0.069	<0.069	--
	Benzo[k]fluoranthene	UG/L	n/v	n/v	<0.058	<0.053	0.13 J	<0.054	<0.054	--
	Chrysene	UG/L	0.2	0.02	<0.062	<0.056	0.13 J	<0.058	<0.058	--
	Dibenz(a,h)anthracene	UG/L	n/v	n/v	<0.046	<0.042	0.12 J	<0.043	<0.043	--
Indeno[1,2,3-cd]pyrene	UG/L	n/v	n/v	<0.068	<0.062	0.14 J	<0.064	<0.064	--	
RCRA Metals, Dissolved	Arsenic	UG/L	10	1.0	0.30 J	0.24 J	0.56 J	4.2	0.32 J	--
	Barium	UG/L	2,000	400	30	85	47	250	31	--
	Cadmium	UG/L	5	0.5	0.89	<0.17	<0.17	<0.17	0.79	--
	Chromium	UG/L	100	10	2.5 J	<1.1	<1.1	<1.1	2.6 J	--
	Lead	UG/L	15	1.5	<0.19	<0.19	<0.19	0.21 J	<0.19	--
General Chemistry	Cyanide, Total	MG/L	n/v	n/v	0.021	--	--	--	--	--
	Cyanide, Amenable	MG/L	0.2	0.04	0.016	--	--	--	--	--
	Chromium, Hexavalent, Dissolved	MG/L	7.00E-5 ^	7.00E-6 ^	0.007 J B	--	--	0.016 B	0.0083 J B	--

Notes:

- <xxx = compound not detected above the limit of detection
- XXX = exceeds ch. NR140 WAC, Public Health Groundwater Quality Standards (PHGQS), Table 1, Preventative Action Limit
- XXX = exceeds ch. NR141 WAC, Public Health Groundwater Quality Standards (PHGQS), Table 1, Enforcement Standard
- n/v = no established PHGQS by ch. NR140 WAC
- WAC = Wisconsin Administrative Code
- PAL = preventative action limit
- ES = enforcement standard
- RCRA Resource Conservation and Recovery Act
- UG/L Micrograms per liter
- MG/L Milligrams per liter
- = Not analyzed for constituent class
- J Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
- B Compound was found in the blank and the sample
- +\* = LCS and/or LCSD is outside acceptance limits, high biased.
- \* = DUP-1 was collected from SMW-5
- ^ = Proposed Wisconsin Department of Health Services (WDHS) groundwater standard listed on table for reference only.

**Table 3: Summary of Detected PFAS Constituents in Groundwater Samples**

Former Chilton Plating Co.  
420-476 East Main St, Chilton, WI  
BRRTS No.: 02-08-000040

Detected Analytes	Units	Proposed Public Health Groundwater Quality Standard, ES <sup>^</sup>	Proposed Public Health Groundwater Quality Standard, PAL <sup>^</sup>	Sample ID								
				Sample Date								
				CPMW02	CPMW03	CPMW04A	CPPZ104	CPPZ105	GSMW103	GSPZ103	SMW-1	
				03/21/2024	03/21/2024	03/21/2024	03/21/2024	03/21/2024	03/21/2024	03/21/2024	03/21/2024	
Per- and Polyfluoroalkyl Substances (PFAS)	6:2 FTS	ng/L	n/v	n/v	<2.3	120	2.6 J	<2.5	<2.3	<2.4	<2.3	5.7
	Perfluorobutanesulfonic acid (PFBS)	ng/L	n/v	n/v	12	22	5.4	0.80 J I	0.57 J	0.72 J	0.45 J	10
	Perfluorobutanoic acid (PFBA)	ng/L	n/v	n/v	21	29	15	<2.4	<2.2	<2.3	<2.2	15
	Perfluorodecanoic acid (PFDA)	ng/L	n/v	n/v	<0.28	<0.29	0.52 J I	<0.31	<0.29	<0.30	<0.29	0.38 J I
	Perfluoroheptanesulfonic acid (PFHpS)	ng/L	n/v	n/v	7.0	26	17	<0.19	<0.17	<0.19	<0.18	8.1
	Perfluoroheptanoic acid (PFHpA)	ng/L	n/v	n/v	9.0	24	15	<0.25	<0.23	<0.24	<0.23	11
	Perfluorohexanesulfonic acid (PFHxS)	ng/L	n/v	n/v	24	53	34	0.85 J	0.54 J	1.1 J	<0.53	29
	Perfluorohexanoic acid (PFHxA)	ng/L	n/v	n/v	25	56	24	<0.57	<0.53	<0.57	<0.54	20
	Perfluoro-n-hexadecanoic acid (PFHxDA)	ng/L	n/v	n/v	<0.82	<0.83	<0.83	<0.88	<0.82	<0.87	<0.83	<0.84
	Perfluoro-n-octadecanoic acid (PFODA)	ng/L	n/v	n/v	<0.86	<0.87	<0.88	<0.93	<0.87	<0.92	<0.88	<0.89
	Perfluorononanesulfonic acid (PFNS)	ng/L	n/v	n/v	<0.34	<0.34	<0.34	<0.36	<0.34	<0.36	<0.35	<0.35
	Perfluorononanoic acid (PFNA)	ng/L	n/v	n/v	0.70 J	0.70	1.5 J	<0.27	<0.25	<0.26	<0.25	0.95 J
	Perfluorooctanesulfonamide (FOSA)	ng/L	n/v	n/v	<0.90	<0.91	<0.91	<0.96	<0.90	<0.96	<0.92	<0.92
	Perfluorooctanesulfonic acid (PFOS)	ng/L	20	2	830	1,500	1,800	<0.51	0.71 J	5.4	<0.51	640
	Perfluorooctanoic acid (PFOA)	ng/L	20	2	9.1	25	11	<0.84 *+	<0.78	<0.83	<0.80 *+	9.7
Perfluoropentanesulfonic acid (PFPeS)	ng/L	n/v	n/v	4.4	7.7	4.6	<0.30	<0.28	<0.29	<0.28	4.7	
Perfluoropentanoic acid (PFPeA)	ng/L	n/v	n/v	30	98	30	<0.48	<0.45	<0.48	<0.46	26	

Notes:

<xxx = compound not detected above the limit of detection

XXX = exceeds proposed WAC ch. NR140 enforcement standard

XXX = exceeds proposed WAC ch. NR140 preventative action limit

n/v = no established PHGQS by ch. NR140 WAC

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

+\* = LCS and/or LCSD is outside acceptance limits, high biased.

I = Value is EMPC (estimated maximum possible concentration)

ng/L = nanograms per liter

\* = DUP-1 was collected from SMW-5

^ = Wisconsin Department of Health Services (WDHS) proposed PAL and ES values listed for reference only.

**Table 3: Summary of Detected PFAS Constituents in Groundwater Samples**

Former Chilton Plating Co.  
420-476 East Main St, Chilton, WI  
BRRTS No.: 02-08-000040

Detected Analytes	Units	Proposed Public Health Groundwater Quality Standard, ES <sup>^</sup>	Proposed Public Health Groundwater Quality Standard, PAL <sup>^</sup>	Sample ID								
				Sample Date								
				SMW-2	SMW-3	SMW-5	SMW-6	SMW-7	SPZ-1	EB1	DUP-1*	
				03/21/2024	03/21/2024	03/21/2024	03/21/2024	03/21/2024	03/21/2024	03/21/2024	03/21/2024	
Per- and Polyfluoroalkyl Substances (PFAS)	6:2 FTS	ng/L	n/v	n/v	<2.4	<2.3	5.7	<2.5	<2.3	<2.3	<2.3	4.1 J
	Perfluorobutanesulfonic acid (PFBS)	ng/L	n/v	n/v	6.2	<0.18	11	<0.20	2.0	0.83 J	<0.18	9.1
	Perfluorobutanoic acid (PFBA)	ng/L	n/v	n/v	5.5	<2.2	18	<2.4	3.4 J	<2.2	<2.2	18
	Perfluorodecanoic acid (PFDA)	ng/L	n/v	n/v	0.34 J	<0.28	0.30 J	<0.30	<0.29	<0.29	<0.29	<0.30
	Perfluoroheptanesulfonic acid (PFHpS)	ng/L	n/v	n/v	2.9	<0.17	16	<0.19	1.0 J	<0.18	<0.17	17
	Perfluoroheptanoic acid (PFHpA)	ng/L	n/v	n/v	2.1	<0.23	15	<0.25	2.6	<0.23	<0.23	13
	Perfluorohexanesulfonic acid (PFHxS)	ng/L	n/v	n/v	7.7	0.66 J	27	1.4 J	5.2	<0.53	<0.52	25
	Perfluorohexanoic acid (PFHxA)	ng/L	n/v	n/v	4.6	<0.53	27 I	<0.57	3.0	<0.54	<0.53	25
	Perfluoro-n-hexadecanoic acid (PFHxDA)	ng/L	n/v	n/v	<0.85	<0.82	<0.84	<0.87	<0.83	<0.83	<0.82	<0.86
	Perfluoro-n-octadecanoic acid (PFODA)	ng/L	n/v	n/v	<0.89	<0.86	<0.88	<0.92	<0.88	<0.88	<0.87	<0.91
	Perfluorononanesulfonic acid (PFNS)	ng/L	n/v	n/v	<0.35	<0.34	<0.35	<0.36	<0.35	<0.34	<0.34	<0.36
	Perfluorononanoic acid (PFNA)	ng/L	n/v	n/v	0.51 J	<0.25	0.88 J	<0.27	<0.25	<0.25	<0.25	0.67 J
	Perfluorooctanesulfonamide (FOSA)	ng/L	n/v	n/v	<0.93	<0.90	<0.92	<0.96	<0.92	<0.91	<0.90	<0.94
	Perfluorooctanesulfonic acid (PFOS)	ng/L	20	2	320	1.3 J	1,900	1.6 J	45	1.5 J	<0.50	2,400
	Perfluorooctanoic acid (PFOA)	ng/L	20	2	2.8	<0.78	15	<0.83	2.3	<0.79	<0.78 *+	13
Perfluoropentanesulfonic acid (PFPeS)	ng/L	n/v	n/v	1.4 J	<0.27	3.5	<0.29	0.69 J	<0.28	<0.28	3.5	
Perfluoropentanoic acid (PFPeA)	ng/L	n/v	n/v	6.3	<0.45	47	<0.48	3.3	<0.46	<0.45	48	

Notes:

<xxx = compound not detected above the limit of detection

XXX = exceeds proposed WAC ch. NR140 enforcement standard

XXX = exceeds proposed WAC ch. NR140 preventative action limit

n/v = no established PHGQS by ch. NR140 WAC

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

+\* = LCS and/or LCSD is outside acceptance limits, high biased.

I = Value is EMPC (estimated maximum possible concentration)

ng/L = nanograms per liter

\* = DUP-1 was collected from SMW-5

^ = Wisconsin Department of Health Services (WDHS) proposed PAL and ES values listed for reference only.



Table 4 - Groundwater Elevation Data  
Former Chilton Plating Co.  
420-476 East Main St, Chilton, WI  
BRRTS No.: 02-08-000040

Well ID	Screen Interval (ft bgs)	Water Level Measurement Date	TOC elevation (ft amsl) <sup>1</sup>	DTW <sup>1</sup> (ft bgs)	Groundwater Elevation (ft amsl) <sup>1</sup>
SPZ-1	24.2 - 29.2	1/27/21	847.56	5.05	842.51
		5/13/21		4.76	842.80
		3/21/24		5.17	842.39
SMW-1	3.6 - 13.6	6/10/15	849.07	6.33	842.74
		6/16/15		5.52	843.55
		3/22/18		6.60	842.47
		6/26/18		5.59	843.48
		10/9/18		4.41	844.66
		1/27/21		6.62	842.45
		5/13/21		6.18	842.89
		3/21/24		6.61	842.46
SMW-2	2.4 - 12.4	6/10/15	849.42	3.72	845.70
		6/16/15		2.93	846.49
		3/22/18		6.12	843.30
		6/26/18		3.38	846.04
		10/9/18		2.19	847.23
		1/27/21		6.35	843.07
		5/13/21		4.08	845.34
		3/21/24		5.58	843.84
SMW-3*	3.2 - 13.2	6/10/15	850.80	6.03	844.77
		6/16/15		5.28	845.52
		3/22/18		6.58	844.22
		6/26/18		5.11	845.69
		10/9/18		4.25	846.55
		1/27/21		6.31	844.49
		5/13/21		5.82	844.98
SMW-5	3.3 - 13.3	6/10/15	849.73	6.24	843.49
		6/16/15		5.41	844.32
		3/22/18		6.79	842.94
		6/26/18		5.50	844.23
		10/9/18		4.42	845.31
		1/27/21		6.71	843.02
		5/13/21		6.12	843.61
		3/21/24		6.69	843.04
SMW-6	7.7 - 17.7	1/27/24	850.78	7.80	842.98
		5/13/21		7.36	843.42
		3/21/24		7.85	842.93

Table 4 - Groundwater Elevation Data  
Former Chilton Plating Co.  
420 East Main St, Chilton, WI  
BRRTS No.: 02-08-000040

Well ID	Screen Interval (ft bgs)	Water Level Measurement Date	TOC elevation (ft amsl) <sup>1</sup>	DTW <sup>1</sup> (ft bgs)	Groundwater Elevation (ft amsl) <sup>1</sup>
SMW-7	5.9 - 15.9	1/27/24	852.25	5.05	843.33
		5/13/21		4.76	843.86
		3/21/24		8.94	843.31
CMPW-02	5.5 - 15.5	6/16/15	849.19	5.73	843.46
		3/22/18		6.87	842.32
		6/26/18		6.10	843.09
		10/9/18		4.68	844.51
		1/27/21		6.98	842.21
		5/13/21		6.66	842.53
		3/21/24		6.91	842.28
CPMW-03	5.9 - 15.9	6/16/15	849.65	7.77	841.88
		3/22/18		5.83	841.12
		6/26/18		7.71	841.94
		10/9/18		6.34	843.31
		1/27/21		8.63	841.02
		5/13/21		8.30	841.35
		3/21/24		8.60	841.05
CPMW-04A	5.5 - 15.5	6/16/15	850.12	5.97	843.91
		3/22/18		7.34	843.08
		6/26/18		6.09	844.47
		10/9/18		4.89	845.41
		1/27/21		7.14	842.98
		5/13/21		6.58	843.54
		3/21/24		7.09	843.03
CPPZ-104	27.4 - 32.4	6/16/15	850.04	6.13	843.91
		3/22/18		6.96	843.08
		6/26/18		5.57	844.47
		10/9/18		4.63	845.41
		1/27/21		6.48	843.56
		5/13/21		6.20	843.84
		3/21/24		6.69	843.35
CPPZ-105	67.9 - 72.9	6/16/15	850.30	6.05	844.25
		3/22/18		6.81	843.49
		6/26/18		5.47	844.83
		10/9/18		4.46	845.84
		1/27/21		6.49	843.81
		5/13/21		6.20	844.10
		3/21/24		6.77	843.53
GSMW-103	5.9 - 15.9	6/16/15	849.28	6.82	842.46
		3/22/18		8.05	841.23
		6/26/18		7.00	842.28
		10/9/18		5.93	843.35
		1/27/21		7.81	841.47
		5/13/21		7.49	841.79
		3/21/24		7.87	841.41
GSPZ-103	65.0 - 70.0	6/16/15	849.12	5.80	843.32
		3/22/18		7.34	841.78
		6/26/18		5.28	843.84
		10/9/18		4.15	844.97
		1/27/21		6.36	842.76
		5/13/21		5.98	843.14
		3/21/24		6.73	842.39

**Notes:**

<sup>1</sup> Monitoring wells surveyed by The Sigma Group, Inc. on May 29, 2015 with Trimble R8 GPS receiver.

\* = Groundwater elevation was not measured during March 2024 sampling event

DTW = depth to water

ft amsl = feet above mean sea level

ft bgs = feet below ground surface

ft = feet

TOC = top of casing

# **Appendix A Soil Boring Logs and Abandonment Forms**

193708879 Site: Former Chilton Plating	Boring Number: SB-1	Page: 1 of 2
Site Name: Former Chilton Plating	Boring Location:	Date: 5/6/2024
Address: 420-476 East Main Street		Start: 0927 Finish: 0938

Boring recovery (feet)	Sample number	Sample time	Sampled for	Depth (feet)	Detailed Soil and Rock Description	Depth (feet)	PID collection and sample time	PID (ppm)	Well Log (if applicable)	Remarks
3.25 y			1028 Lo IV	0.5	0-2: Brown clayey topsoil w/ rootlets, moist 1-2', no odor	0.5		12.0		<b>Abbreviations:</b> D = Dry W = Wet M = Moist  fbg = feet below grade  HC = Hydrocarbon
				1		1				
				1.5		1.5		4.3		
				2	2-4: Yellow-brown sand (med. moist), w/ 30% gravel (1/4-1/2", rounded), no odor	2				
				2.5		2.5		4.4		
			1030 Lo IV	3		3				
				3.5		3.5		4.9		
			1032 Lo IV	4		4				
				4.5		4.5		7.0		
				5	4-5: Same as above, top sub. at 4.75'	5		3.3		
				5.5		5.5				
				6		6				
				6.5		6.5				
				7		7				
				7.5		7.5				
				8		8				
				8.5		8.5				
				9		9				
				9.5		9.5				
				10		10				

End of Boring @ 6 bgs

**Note: Stratification lines are approximate; in-situ transition between soil types may be gradual.**

Groundwater Data ▼ Depth While Drilling  ▼ Depth After Drilling n/a	Rig _____ GeoProbe Depth _____ Geologist <u>Jiyan Hatami</u> Driller/Co. <u>Horizon Construction and Exploration</u>	
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193708879 Site: Former Chilton Plating	Boring Number: SB-2	Page: 1 of 2
Site Name: Former Chilton Plating	Boring Location:	Date: 5/6/2024
Address: 420-476 East Main Street		Start: 0912
		Finish:

Boring recovery (feet)	Sample number	Sample time	Sampled for	Depth (feet)	Detailed Soil and Rock Description	Depth (feet)	PID collection and sample time	PID (ppm)	Well Log (if applicable)	Remarks	
Full 5' push  3.5 4			1022 Cr IV	0.5	0-0.5: Brown sandy topsoil w/ no odor, dry, rootlets common.	0.5		4.8		<b>Abbreviations:</b> D = Dry W = Wet M = Moist  fbg = feet below grade  HC = Hydrocarbon	
				1	0.5-1: Grey sand and gravel, dry, roots, 50% gravel (1/4-1/2" rounded), brown sand 0.25-1	1		8.2			
					1.5		1.5		12.6		
				1024 Cr IV	2	1-2: Brown clay w/ rootlets friable, dry, no odor	2				
					2.5		2.5		2.4		
					3		3				
					3.5		3.5		9.5		
				1026 Cr IV	4	3-5: Brown sand and gravel, 1/4-1/2" subrounded gravel, cobbles, med + ug + w, sat dry	4				
					4.5		4.5		4.3		
					5		5				
				5.5		5.5					
				6		6					
				6.5		6.5					
				7		7					
				7.5		7.5					
				8		8					
				8.5		8.5					
				9		9					
				9.5		9.5					
				10		10					
End of Boring @ 5' bgs											

**Note: Stratification lines are approximate; in-situ transition between soil types may be gradual.**

Groundwater Data ▼ Depth While Drilling _____ ▼ Depth After Drilling _____ n/a	Rig _____ GeoProbe Depth _____ Geologist <u>Jiyan Hatami</u> Driller/Co. <u>Horizon Construction and Exploration</u>	
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193708879 Site: Former Chilton Plating	Boring Number: <del>223</del> 2B-3	Page: 1 of 2
Site Name: Former Chilton Plating	Boring Location:	Date: 5/6/2024
Address: 420-476 East Main Street		Start: <del>1110</del> 1215
		Finish: <del>1120</del>

Boring recovery (feet)	Sample number	Sample time	Sampled for	Depth (feet)	Detailed Soil and Rock Description	Depth (feet)	PID collection and sample time	PID (ppm)	Well Log (if applicable)	Remarks
35 K				0.5	<p>0-1.25: Brown clay w/ rootlets, gravel, friable, dry, no odor</p> <p>1.25-2.5: Clay as above intermixed w/ pieces of asphalt, FS, dry, no odor</p> <p>2.5-4: Red and yellow bricks w/ trace FS, dry, no odor</p> <p>4-5: Black FS fill, dry, no odor, very light (not dense) almost like GAC, FS, fr</p> <p>5-7: Same as above, no odor, dry</p> <p>7-9: Brown peat w/ rootlets, wet, no odor</p>	0.5		7.3		<b>Abbreviations:</b> D = Dry W = Wet M = Moist  fbg = feet below grade  HC = Hydrocarbon
				1						
				1.5						
				2						
				2.5						
				3						
				3.5						
				4						
				4.5						
				5						
5.5										
6										
6.5										
7										
7.5										
8										
8.5										
9										
9.5										
10										
End of Boring @ 9' bgs										

Note: Stratification lines are approximate; in-situ transition between soil types may be gradual.		
Groundwater Data ▼ Depth While Drilling _____ ▽ Depth After Drilling _____ n/a	Rig _____ GeoProbe Depth _____ Geologist <u>Jiyan Hatami</u> Driller/Co. <u>Horizon Construction and Exploration</u>	

193708879	Site: Former Chilton Plating	Boring Number: SB-4	Page: 1 of 2
Site Name: Former Chilton Plating	Boring Location:	Date: 5/6/2024	Start:
Address: 420-476 East Main Street		Finish:	

Boring recovery (feet)	Sample number	Sample time	Sampled for	Depth (feet)	Detailed Soil and Rock Description	Depth (feet)	PID collection and sample time	PID (ppm)	Well Log (if applicable)	Remarks
			1402 CO 10	0.5	0-4.5: Brown friable clay, dry, no odor, rootlets	0.5		10.6		<b>Abbreviations:</b> D = Dry W = Wet M = Moist  fbg = feet below grade  HC = Hydrocarbon
				1		1				
				1.5	1.5-2.5: black sand Coal at 2.5', 3.5'	1.5		4.5		
				2		2				
				2.5		2.5		11.5		
				3	4.5-5: Red and black grady fill w/ coal, cinders, dry, no odor	3				
				3.5		3.5				
				4		4		6.8		
				4.5		4.5				
				5		5		12.0		
				5.5		5.5				
				6		6				
				6.5		6.5				
				7		7				
				7.5		7.5				
				8		8				
				8.5		8.5				
				9		9				
				9.5		9.5				
				10		10				

End of Boring @ bgs

Note: Stratification lines are approximate; in-situ transition between soil types may be gradual.

Groundwater Data ▼ Depth While Drilling  ▽ Depth After Drilling n/a	Rig _____ GeoProbe Depth _____ Geologist Jlyan Hatami Driller/Co. Horizon Construction and Exploration
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193708879 Site: Former Chilton Plating	Boring Number: <u>SB5</u>	Page: 1 of 2
Site Name: Former Chilton Plating	Boring Location:	Date: 5/6/2024
Address: 420-476 East Main Street		Start: 1304
		Finish:

Boring recovery (feet)	Sample number	Sample time	Sampled for	Depth (feet)	Detailed Soil and Rock Description	Depth (feet)	PID collection and sample time	PID (ppm)	Well Log (if applicable)	Remarks
				0.5	0-2: Clay as seen in	0.5		16.6		<b>Abbreviations:</b> D = Dry W = Wet M = Moist  fbg = feet below grade  HC = Hydrocarbon
				1		10, piece of coal at	1			
3.75			1358	1.5	2.5', asphalt at, 1.75', hence	1.5		9.2		
4			C. 10	2	coal	2				
				2.5	2-2.5: Brown to light brown	2.5		4.4		
				3	sand and gravel, dry.	3				
				3.5	no odor	3.5				
				4	3.5-4: Brown prail, clay,	4		3.8		
				4.5	no odor	4.5		6.5		
				5	4-4.5: Brown sand and	5		17.0		
				5.5	gravel as above, piece	5.5				
				6	of yellow brick	6				
				6.5		6.5				
				7	4.5-5: Brown clay, moist,	7				
				7.5	low plast, no odor	7.5				
				8		8				
				8.5		8.5				
				9		9				
				9.5		9.5				
				10		10				

Note: Stratification lines are approximate; in-situ transition between soil types may be gradual.

Groundwater Data ▼ Depth While Drilling _____ ▽ Depth After Drilling _____ n/a	Rig _____ GeoProbe Depth _____ Geologist <u>Jiyan Hatami</u> Driller/Co. <u>Horizon Construcion and Exploration</u>	
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193708879 Site: Former Chilton Plating	Boring Number: SB-6	Page: 1 of 2
Site Name: Former Chilton Plating	Boring Location:	Date: 5/6/2024
Address: 420-476 East Main Street		Start: 0954
		Finish:

Boring recovery (feet)	Sample number	Sample time	Sampled for	Depth (feet)	Detailed Soil and Rock Description	Depth (feet)	PID collection and sample time	PID (ppm)	Well Log (if applicable)	Remarks
1/4			1041 C-10	0.5	0-1: Brown sand w/ rootlets trace clay, 20% gravel (4-8" rounded) dry, no odor  1-3: Brown to red-brown silty clay, moist, low plastic no odor  3-5: Yellow-brown sand and gravel as seen elsewhere, dry, no odor, sat. at 5'	0.5		38		<b>Abbreviations:</b> D = Dry W = Wet M = Moist  fbg = feet below grade  HC = Hydrocarbon
			1	1						
			1.5	1.5						
			2	2						
			2.5	2.5						
			3	3						
			3.5	3.5						
			4	4						
			4.5	4.5						
			5	5						
5.5	5.5									
6	6									
6.5	6.5									
7	7									
7.5	7.5									
8	8									
8.5	8.5									
9	9									
9.5	9.5									
10	10									
					End of Boring @ 5' bgs					

Note: Stratification lines are approximate; in-situ transition between soil types may be gradual.

<b>Groundwater Data</b> ▼ Depth While Drilling _____ ▽ Depth After Drilling _____ n/a	<b>Rig</b> _____ <b>GeoProbe Depth</b> _____ <b>Geologist</b> Jiyun Hatami <b>Driller/Co.</b> Horizon Construction and Exploration	
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193708879 . Site: Former Chilton Plating	Boring Number: <u>SP-8</u>	Page: 1 of 2
Site Name: Former Chilton Plating	Boring Location:	Date: 5/6/2024
Address: 420-476 East Main Street		Start: <u>108</u> Finish: <u>113</u>

Boring recovery (feet)	Sample number	Sample time	Sampled for	Depth (feet)	Detailed Soil and Rock Description	Depth (feet)	PID collection and sample time	PID (ppm)	Well Log (if applicable)	Remarks
				0.5	0-0.5' Brown soft friable clay, soillets 0-1' no odor, moist	0.5		85		<b>Abbreviations:</b> D = Dry W = Wet M = Moist  fbg = feet below grade  HC = Hydrocarbon
	1145			1		0.5		7.1		
			C-14	1.5	2-4.5' soft brown sand	1.5				
				2	and gravel seen at	2		11.3		
				2.5	SP-7.5' no odor, cobbles	2.5				
				3	2-3.75'	3		22		
				3.5	11.5' soft red-brown	3.5		X		
				4	clay w/ high plastic	4		29		
	1147		C-14	4.5	no odor, gut.	4.5				
				5		5		<del>12.2</del>		
				5.5		5.5				
				6		6				
				6.5		6.5				
				7		7				
				7.5		7.5				
				8		8				
				8.5		8.5				
				9		9				
				9.5		9.5				
				10		10				

End of Boring @ bgs

<b>Note: Stratification lines are approximate; in-situ transition between soil types may be gradual.</b>		
Groundwater Data ▼ Depth While Drilling  ▽ Depth After Drilling n/a	Rig _____ GeoProbe Depth _____ Geologist <u>Jiyan Hatami</u> Driller/Co. <u>Horizon Construction and Exploration</u>	

193708879 Site: <b>Former Chilton Plating</b>	Boring Number: <b>SB-7</b>	Page: 1 of 2
Site Name: Former Chilton Plating	Boring Location:	Date: 5/6/2024
Address: 420-476 East Main Street		Start: <b>1100</b> Finish: <b>1105</b>

Boring recovery (feet)	Sample number	Sample time	Sampled for	Depth (feet)	Detailed Soil and Rock Description	Depth (feet)	PID collection and sample time	PID (ppm)	Well Log (if applicable)	Remarks
			1150 C-1V	0.5	0-1: Red-brown clayey topsoil w/ rootlets, no odor	0.5		8.4		<b>Abbreviations:</b> D = Dry W = Wet M = Moist  fbg = feet below grade  HC = Hydrocarbon
				1		1-1.75: Brown sand w/ clay, rootlets, dry, no odor	1		2.5	
			1152 C-1V	2	1.75-2.25: Brown friable clay, moist, soft, no odor	2		5.1		
				2.5	2-2.25: Limestone cobbles	2.5		<del>4.8</del>		
			1154 C-1V	3	2.5-5: Brown sand, med. - us + up to 40% gravel (1/4" - 3/4" rounded), sat. at 4.5', no odor	3		4.8		
				3.5		3.5				
				4		4		3.6		
				4.5		4.5				
				5		5		2.8		
				5.5		5.5				
				6		6				
				6.5		6.5				
				7		7				
				7.5		7.5				
				8		8				
				8.5		8.5				
				9		9				
				9.5		9.5				
				10		10				

End of Boring @ bgs

**Note: Stratification lines are approximate; in-situ transition between soil types may be gradual.**

<b>Groundwater Data</b> ▼ Depth While Drilling _____ ▽ Depth After Drilling _____ n/a	<b>Rig</b> _____ <b>GeoProbe Depth</b> _____ <b>Geologist</b> <u>Jiyan Hatami</u> <b>Driller/Co.</b> <u>Horizon Construcion and Exploration</u>	
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Boring recovery (feet)	Sample number	Sample time	Sampled for	Depth (feet)	Detailed Soil and Rock Description	Depth (feet)	PID collection and sample time	PID (ppm)	Well Log (if applicable)	Remarks
			1357 C.IV	0.5	0-3.5: Brown friable clay, dry, no odor, 15% gravel  3.5-4.5: Limestone cobble  4.5-4.75: Black ss fill as seen SB-3, dry, no odor  4.75: Brown clay as bore	0.5		69		<b>Abbreviations:</b> D = Dry W = Wet M = Moist  fbg = feet below grade  HC = Hydrocarbon
				1		1		8.3		
				1.5		1.5				
				2		2				
				2.5		2.5				
				3		3		9.4		
				3.5		3.5				
				4		4		X		
				4.5		4.5		2.6		
				5		5		2.1		
				5.5	5.5					
				6	6					
				6.5	6.5					
				7	7					
				7.5	7.5					
				8	8					
				8.5	8.5					
				9	9					
				9.5	9.5					
				10	10					

End of Boring @ bgs

Note: Stratification lines are approximate; in-situ transition between soil types may be gradual.

Groundwater Data ▼ Depth While Drilling  ▽ Depth After Drilling n/a	Rig _____ GeoProbe Depth _____ Geologist <u>Jiyan Hatami</u>
	Driller/Co. <u>Horizon Construction and Exploration</u>

193708879 Site: Former Chilton Plating	Boring Number: SB-10	Page: 1 of 2
Site Name: Former Chilton Plating	Boring Location:	Date: 5/6/2024
Address: 420-476 East Main Street		Start: 1255 Finish: 1300

Boring recovery (feet)	Sample number	Sample time	Sampled for	Depth (feet)	Detailed Soil and Rock Description	Depth (feet)	PID collection and sample time	PID (ppm)	Well Log (if applicable)	Remarks
				0.5	0-0.5: Brown friable clay, dry, no odor, rootlets	0.5		8.2		<b>Abbreviations:</b> D = Dry W = Wet M = Moist  fbg = feet below grade  HC = Hydrocarbon
				1		1				
			1400	1.5	0-0.5: 10% gravel piece of red brick at 4'	1.5		7.7		
			1 C-14	2		2				
			Dup-2 1401	2.5	4.5-5: Light brown soft silty clay, piece of slag at 4.5'	2.5		3.7		
				3		3				
				3.5	3.5-4.5: Brown friable rootlets, dry, no odor, piece of red brick at 4', piece of concrete at 3.75' (yellow, sandy, gravel, solid)	3.5		13.1		
				4		4				
				4.5		4.5		9.3		
				5		5				
				5.5		5.5				
				6		6				
				6.5		6.5				
				7		7				
				7.5		7.5				
				8		8				
				8.5		8.5				
				9		9				
				9.5		9.5				
				10		10				
					End of Boring @	bgs				

**Note: Stratification lines are approximate; in-situ transition between soil types may be gradual.**

Groundwater Data ▼ Depth While Drilling _____ ▽ Depth After Drilling _____ n/a	Rig _____ GeoProbe Depth _____ Geologist Jiyun Hatami Driller/Co. Horizon Construction and Exploration
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193708879 Site: Former Chilton Plating	Boring Number: SB-11	Page: 1 of 2
Site Name: Former Chilton Plating	Boring Location:	Date: 5/6/2024
Address: 420-476 East Main Street		Start: 12:01 Finish:

Boring recovery (feet)	Sample number	Sample time	Sampled for	Depth (feet)	Detailed Soil and Rock Description	Depth (feet)	PID collection and sample time	PID (ppm)	Well Log (if applicable)	Remarks
				0.5	0-0.5: Brown sand w/ cobbles	0.5		83		<b>Abbreviations:</b> D = Dry W = Wet M = Moist  fbg = feet below grade  HC = Hydrocarbon
			1075	1	dry, no odor	1		35		
			CR 14	1.5	0.5-1.5: Brown sand and	1.5				
			1077	2	gravel seen elsewhere, dry,	2		32		
			CR 14	2	no odor	2.5		<del>32</del>		
			1079	3	1.5-2: Brown silty clay	3		38		
			CR 14	3.5	w/ gravel, friable, dry, no	3.5		38		
				4	odor	4				
				4.5	2-2.5: Limestone cobbles	4.5		35		
				5	2.5-3.5: sand and gravel	5				
				5.5	as above	5.5				
				6	5.5-5: yellow-brown sand	6				
				6.5	and gravel seen elsewhere,	6.5				
				7	wed. sand, cobbles at 4.75	7				
				7.5	and 5, no odor, cont. at	7.5				
				8	3.3'	8				
				8.5		8.5				
				9		9				
				9.5		9.5				
				10		10				

End of Boring @ 5' bgs

<b>Note: Stratification lines are approximate; in-situ transition between soil types may be gradual.</b>		
Groundwater Data ▼ Depth While Drilling _____ ▽ Depth After Drilling _____ n/a	Rig _____ GeoProbe Depth _____ Geologist <u>Jiyan Hatami</u> Driller/Co. <u>Horizon Construction and Exploration</u>	

193708879	Site: Former Chilton Plating	Boring Number: SB-12	Page: 1 of 2
Site Name: Former Chilton Plating		Boring Location:	
Address: 420-476 East Main Street		Date: 5/6/2024 Start: 1053 Finish:	

Boring recovery (feet)	Sample number	Sample time	Sampled for	Depth (feet)	Detailed Soil and Rock Description	Depth (feet)	PID collection and sample time	PID (ppm)	Well Log (if applicable)	Remarks
				0.5	Same as SB-11 from 2-3 (sand w/ rootlets), clay, mud w/ gravel	0.5		9.5		<b>Abbreviations:</b> D = Dry W = Wet M = Moist  fbg = feet below grade  HC = Hydrocarbon
	1140			1		1		2.7		
	C-1V			1.5		1.5				
				2	3.4.75: Red-brown sand clay, moist, no odor	2		2.7		
				2.5		2.5				
				3	4.1.75: Yellow-brown med. sand, sat., no odor	3		3.4		
				3.5		3.5				
	1112			4		4		1.9		
	C-1V			4.5		4.5				
				5		5				
				5.5		5.5				
				6		6				
				6.5		6.5				
				7		7				
				7.5		7.5				
				8		8				
				8.5		8.5				
				9		9				
				9.5		9.5				
				10		10				
End of Boring @ 5' bgs										

**Note: Stratification lines are approximate; in-situ transition between soil types may be gradual.**

Groundwater Data ▼ Depth While Drilling _____ ▼ Depth After Drilling _____ n/a	Rig _____ GeoProbe Depth _____ Geologist Jiyun Hatami Driller/Co. Horizon Construction and Exploration	
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193708879 Site: Former Chilton Plating	Boring Number: <u>SE.13</u>	Page: 1 of 2
Site Name: Former Chilton Plating	Boring Location:	Date: 5/6/2024
Address: 420-476 East Main Street		Start: <u>115</u> Finish: <u>120</u>

Boring recovery (feet)	Sample number	Sample time	Sampled for	Depth (feet)	Detailed Soil and Rock Description	Depth (feet)	PID collection and sample time	PID (ppm)	Well Log (if applicable)	Remarks
				0.5	<u>0-0.5: sandy loam, no odor</u> <u>0.5-5: sand and gravel, brown to yellow-brown, as seen elsewhere, no odor</u>	0.5		<u>7.1</u>		<b>Abbreviations:</b> D = Dry W = Wet M = Moist  fbg = feet below grade  HC = Hydrocarbon
			<u>1202</u>	1		1		<u>5.1</u>		
			<u>C-IV</u>	1.5		1.5				
				2		2		<u>4.9</u>		
				2.5		2.5				
				3		3				
				3.5		3.5		<u>5.5</u>		
				4		4		<u>5.9</u>		
				4.5		4.5				
				5		5		<u>7.3</u>		
				5.5	5.5					
				6	6					
				6.5	6.5					
				7	7					
				7.5	7.5					
				8	8					
				8.5	8.5					
				9	9					
				9.5	9.5					
				10	10					

End of Boring @ \_\_\_\_\_ bgs

**Note: Stratification lines are approximate; in-situ transition between soil types may be gradual.**

<b>Groundwater Data</b> ▼ Depth While Drilling _____ ▽ Depth After Drilling _____ n/a	<b>Rig</b> _____ <b>GeoProbe Depth</b> _____ <b>Geologist</b> <u>Jlyan Hatami</u> <b>Driller/Co.</b> <u>Horizon Construcion and Exploration</u>	
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193708879 Site: Former Chilton Plating	Boring Number: <u>SB-14</u>	Page: 1 of 2
Site Name: Former Chilton Plating	Boring Location:	Date: 5/6/2024
Address: 420-476 East Main Street		Start: <u>1250</u> Finish: <u>1255</u>

Boring recovery (feet)	Sample number	Sample time	Sampled for	Depth (feet)	Detailed Soil and Rock Description	Depth (feet)	PID collection and sample time	PID (ppm)	Well Log (if applicable)	Remarks
				0.5	0-0.5: Red-brown clayey topsoil w/ rootlets, dry, no odor	0.5		10.5		<b>Abbreviations:</b> D = Dry W = Wet M = Moist  fbg = feet below grade  HC = Hydrocarbon
			<u>1256</u> <u>6.10</u>	1		0.5-2.0: Brown to light brown sand and gravel, wgt w, no odor	1	8.2		
				1.5	2.0-3.0: Brown silty clay, low plastic, moist, no odor, trace oil/asphalt	1.5		15.1		
				2		3.0-3.75: Dark brown sand, wgt w, fine, no odor.	2		7.2	
				2.5	3.75-4.5: Brown peat w/ rootlets, dry, no odor	2.5		3.7		
				3		4.5-5.5: Brown silty clay w/ gravel, dry, no odor, friable	3		3.7	
				3.5		3.5		5.7		
				4			4			
				4.5		4.5				
				5		5				
				5.5		5.5				
				6		6				
				6.5		6.5				
				7		7				
				7.5		7.5				
				8		8				
				8.5		8.5				
				9		9				
				9.5		9.5				
				10		10				
					End of Boring @	bgs				

**Note: Stratification lines are approximate; in-situ transition between soil types may be gradual.**

Groundwater Data ▼ Depth While Drilling _____ ▽ Depth After Drilling _____ n/a	Rig _____ GeoProbe Depth _____ Geologist <u>Jiyan Hatami</u> Driller/Co. <u>Horizon Construction and Exploration</u>	
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Notice: Completion of this report is required by chs. 160, 281, 283, 289, 291-293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291-293, 295, and 299, Wis. Stats., failure to file this form may result in a forfeiture of between \$10-25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be used for any other purpose. Return this form to the appropriate DNR office and bureau. See instructions on reverse for more information.

Verification Only of Fill and Seal

**Route to:**

- Drinking Water       Watershed/Wastewater       Remediation/Redevelopment  
 Waste Management       Other \_\_\_\_\_

**1. Well Location Information** **2. Facility / Owner Information**

County <b>Calumet</b>	WI Unique Well # of Removed Well	Hicap #	Facility Name <b>Former Chilton Plating</b>		
Latitude / Longitude (Degrees and Minutes)		Method Code (see instructions)			
° ' " N					
° ' " W					
1/4 / 1/4	1/4	Section <b>18</b>	Township <b>18</b>	Range <input checked="" type="checkbox"/> E <input type="checkbox"/> W <b>20</b>	License/Permit/Monitoring # <b>Open ERP</b>
or Gov't Lot #		Original Well Owner			
Well Street Address			Present Well Owner <b>City of Chilton</b>		
Well City, Village or Town			Mailing Address of Present Owner <b>42 School Street</b>		
Subdivision Name			City of Present Owner <b>Chilton</b>		State <b>WI</b>
Lot #			ZIP Code <b>53014</b>		

**4. Pump, Liner, Screen, Casing & Sealing Material**

Reason For Removal From Service <b>Soil Boring Complete</b>	WI Unique Well # of Replacement Well	Pump and piping removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A Liner(s) removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A Screen removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A Casing left in place? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A Was casing cut off below surface? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A Did sealing material rise to surface? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A Did material settle after 24 hours? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A If yes, was hole retopped? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A If bentonite chips were used, were they hydrated with water from a known safe source? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A			
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**3. Well / Drillhole / Borehole Information**

<input type="checkbox"/> Monitoring Well <input type="checkbox"/> Water Well <input checked="" type="checkbox"/> Drillhole / Borehole	Original Construction Date	If a Well Construction Report is available, please attach.	
Construction Type: <input checked="" type="checkbox"/> Drilled <input type="checkbox"/> Driven (Sandpoint) <input type="checkbox"/> Dug <input type="checkbox"/> Other (Specify) _____			
Formation Type: <input checked="" type="checkbox"/> Unconsolidated Formation <input type="checkbox"/> Bedrock			
Total Well Depth From Ground Surface (ft)	Casing Diameter (in.)		
Lower Drillhole Diameter (in.)	Casing Depth (ft.)		
Was well annular space grouted? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown			
If yes, to what depth (feet)?	Depth to Water (feet)		

**5. Material Used to Fill Well / Drillhole**

	From (ft.)	To (ft.)	No. Yards, Sacks Sealant or Volume (circle one)	Mix Ratio or Mud Weight
Baroid 3/8' Chips	Surface	5.0	0.25	

**6. Comments**

SB-1

**7. Supervision of Work** **DNR Use Only**

Name of Person or Firm Doing Filling & Sealing <b>Stantec Consulting Services, Inc.</b>	License #	Date of Filling & Sealing (mm/dd/yyyy) <b>5/6/2024</b>	Date Received	Noted By
Street or Route <b>12080 Corporate Parkway, Suite 200</b>		Telephone Number		Comments
City <b>Mequon</b>	State <b>WI</b>	ZIP Code <b>53092</b>	Signature of Person Doing Work	
			Date Signed	

Notice: Completion of this report is required by chs. 160, 281, 283, 289, 291-293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291-293, 295, and 299, Wis. Stats., failure to file this form may result in a forfeiture of between \$10-25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be used for any other purpose. Return this form to the appropriate DNR office and bureau. See instructions on reverse for more information.

Verification Only of Fill and Seal

**Route to:**

- Drinking Water       Watershed/Wastewater       Remediation/Redevelopment  
 Waste Management       Other \_\_\_\_\_

**1. Well Location Information** **2. Facility / Owner Information**

County <b>Calumet</b>	WI Unique Well # of Removed Well	Hicap #	Facility Name <b>Former Chilton Plating</b>		
Latitude / Longitude (Degrees and Minutes) ° ' " N ° ' " W		Method Code (see instructions)		Facility ID (FID or PWS)	
1/4 / 1/4 or Gov't Lot #	Section <b>18</b>	Township <b>18</b>	Range <b>20</b>	<input checked="" type="checkbox"/> E <input type="checkbox"/> W	License/Permit/Monitoring # <b>Open ERP</b>
Well Street Address			Present Well Owner <b>City of Chilton</b>		
Well City, Village or Town			Mailing Address of Present Owner <b>42 School Street</b>		
Subdivision Name		Lot #		City of Present Owner <b>Chilton</b>	State <b>WI</b> ZIP Code <b>53014</b>

Reason For Removal From Service <b>Soil Boring Complete</b>	WI Unique Well # of Replacement Well	<b>4. Pump, Liner, Screen, Casing &amp; Sealing Material</b>			
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<b>3. Well / Drillhole / Borehole Information</b>	Original Construction Date	<input type="checkbox"/> Pump and piping removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A <input type="checkbox"/> Liner(s) removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A <input type="checkbox"/> Screen removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A <input type="checkbox"/> Casing left in place? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/> Was casing cut off below surface? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input checked="" type="checkbox"/> Did sealing material rise to surface? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/> Did material settle after 24 hours? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A <input type="checkbox"/> If yes, was hole retopped? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/> If bentonite chips were used, were they hydrated with water from a known safe source <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A			
<input type="checkbox"/> Monitoring Well <input type="checkbox"/> Water Well <input checked="" type="checkbox"/> Drillhole / Borehole	If a Well Construction Report is available, please attach.	Required Method of Placing Sealing Material <input type="checkbox"/> Conductor Pipe-Gravity <input type="checkbox"/> Conductor Pipe-Pumped <input checked="" type="checkbox"/> Screened & Poured <input type="checkbox"/> Other (Explain) (Bentonite Chips)			
Construction Type: <input checked="" type="checkbox"/> Drilled <input type="checkbox"/> Driven (Sandpoint) <input type="checkbox"/> Dug <input type="checkbox"/> Other (Specify) _____		Sealing Materials <input type="checkbox"/> Neat Cement Grout <input type="checkbox"/> Clay-Sand Slurry (11 lb./gal. wt.) <input type="checkbox"/> Sand-Cement (Concrete) Grout <input type="checkbox"/> Bentonite-Sand Slurry " " <input type="checkbox"/> Concrete <input checked="" type="checkbox"/> Bentonite Chips			
Formation Type: <input checked="" type="checkbox"/> Unconsolidated Formation <input type="checkbox"/> Bedrock		For Monitoring Wells and Monitoring Well Boreholes Only: <input type="checkbox"/> Bentonite Chips <input type="checkbox"/> Bentonite - Cement Grout <input type="checkbox"/> Granular Bentonite <input type="checkbox"/> Bentonite - Sand Slurry			
Total Well Depth From Ground Surface (ft)	Casing Diameter (in.)				
Lower Drillhole Diameter (in.)	Casing Depth (ft.)				
Was well annular space grouted? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown					
If yes, to what depth (feet)?	Depth to Water (feet)				

5. Material Used to Fill Well / Drillhole	From (ft.)	To (ft.)	No. Yards, Sacks Sealant or Volume (circle one)	Mix Ratio or Mud Weight
Baroid 3/8' Chips	Surface	5.0	0.25	

**6. Comments**

SB-2

<b>7. Supervision of Work</b>			<b>DNR Use Only</b>	
Name of Person or Firm Doing Filling & Sealing <b>Stantec Consulting Services, Inc.</b>	License #	Date of Filling & Sealing (mm/dd/yyyy) <b>5/6/2024</b>	Date Received	Noted By
Street or Route <b>12080 Corporate Parkway, Suite 200</b>		Telephone Number		Comments
City <b>Mequon</b>	State <b>WI</b>	ZIP Code <b>53092</b>	Signature of Person Doing Work	
			Date Signed	

Notice: Completion of this report is required by chs. 160, 281, 283, 289, 291-293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291-293, 295, and 299, Wis. Stats., failure to file this form may result in a forfeiture of between \$10-25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be used for any other purpose. Return this form to the appropriate DNR office and bureau. See instructions on reverse for more information.

Verification Only of Fill and Seal

**Route to:**

- Drinking Water       Watershed/Wastewater       Remediation/Redevelopment  
 Waste Management       Other \_\_\_\_\_

**1. Well Location Information** **2. Facility / Owner Information**

County <b>Calumet</b>	WI Unique Well # of Removed Well	Hicap #	Facility Name <b>Former Chilton Plating</b>		
Latitude / Longitude (Degrees and Minutes)		Method Code (see instructions)			
° ' " N					
° ' " W					
1/4 / 1/4	1/4	Section <b>18</b>	Township <b>18</b>	Range <input checked="" type="checkbox"/> E <input type="checkbox"/> W <b>20</b>	License/Permit/Monitoring # <b>Open ERP</b>
or Gov't Lot #		Original Well Owner			
Well Street Address			Present Well Owner <b>City of Chilton</b>		
Well City, Village or Town			Mailing Address of Present Owner <b>42 School Street</b>		
Subdivision Name			Well ZIP Code		City of Present Owner <b>Chilton</b>
			State <b>WI</b>		ZIP Code <b>53014</b>

**3. Well / Drillhole / Borehole Information** **4. Pump, Liner, Screen, Casing & Sealing Material**

Reason For Removal From Service <b>Soil Boring Complete</b>	WI Unique Well # of Replacement Well	<input type="checkbox"/> Pump and piping removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A <input type="checkbox"/> Liner(s) removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A <input type="checkbox"/> Screen removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A <input type="checkbox"/> Casing left in place? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A Was casing cut off below surface? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A Did sealing material rise to surface? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A Did material settle after 24 hours? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A If yes, was hole retopped? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A If bentonite chips were used, were they hydrated with water from a known safe source <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A			
<input type="checkbox"/> Monitoring Well <input type="checkbox"/> Water Well <input checked="" type="checkbox"/> Drillhole / Borehole		Original Construction Date  If a Well Construction Report is available, please attach.			
Construction Type: <input checked="" type="checkbox"/> Drilled <input type="checkbox"/> Driven (Sandpoint) <input type="checkbox"/> Dug <input type="checkbox"/> Other (Specify) _____					
Formation Type: <input checked="" type="checkbox"/> Unconsolidated Formation <input type="checkbox"/> Bedrock					
Total Well Depth From Ground Surface (ft)		Casing Diameter (in.)			
Lower Drillhole Diameter (in.)		Casing Depth (ft.)			
Was well annular space grouted? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown					
If yes, to what depth (feet)?		Depth to Water (feet)			
Required Method of Placing Sealing Material <input type="checkbox"/> Conductor Pipe-Gravity <input type="checkbox"/> Conductor Pipe-Pumped <input checked="" type="checkbox"/> Screened & Poured <input type="checkbox"/> Other (Explain) (Bentonite Chips)					
Sealing Materials <input type="checkbox"/> Neat Cement Grout <input type="checkbox"/> Clay-Sand Slurry (11 lb./gal. wt.) <input type="checkbox"/> Sand-Cement (Concrete) Grout <input type="checkbox"/> Bentonite-Sand Slurry " " <input type="checkbox"/> Concrete <input checked="" type="checkbox"/> Bentonite Chips					
For Monitoring Wells and Monitoring Well Boreholes Only: <input type="checkbox"/> Bentonite Chips <input type="checkbox"/> Bentonite - Cement Grout <input type="checkbox"/> Granular Bentonite <input type="checkbox"/> Bentonite - Sand Slurry					

5. Material Used to Fill Well / Drillhole	From (ft.)	To (ft.)	No. Yards, Sacks Sealant or Volume (circle one)	Mix Ratio or Mud Weight
Baroid 3/8' Chips	Surface	5.0	0.25	

**6. Comments**

SB-3

7. Supervision of Work			DNR Use Only	
Name of Person or Firm Doing Filling & Sealing <b>Stantec Consulting Services, Inc.</b>	License #	Date of Filling & Sealing (mm/dd/yyyy) <b>5/6/2024</b>	Date Received	Noted By
Street or Route <b>12080 Corporate Parkway, Suite 200</b>		Telephone Number		Comments
City <b>Mequon</b>	State <b>WI</b>	ZIP Code <b>53092</b>	Signature of Person Doing Work	
			Date Signed	

Notice: Completion of this report is required by chs. 160, 281, 283, 289, 291-293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291-293, 295, and 299, Wis. Stats., failure to file this form may result in a forfeiture of between \$10-25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be used for any other purpose. Return this form to the appropriate DNR office and bureau. See instructions on reverse for more information.

Verification Only of Fill and Seal

**Route to:**

- Drinking Water       Watershed/Wastewater       Remediation/Redevelopment  
 Waste Management       Other \_\_\_\_\_

**1. Well Location Information** **2. Facility / Owner Information**

County <b>Calumet</b>	WI Unique Well # of Removed Well	Hicap #	Facility Name <b>Former Chilton Plating</b>		
Latitude / Longitude (Degrees and Minutes)		Method Code (see instructions)			
° ' " N ° ' " W					
1/4 / 1/4 or Gov't Lot #	Section <b>18</b>	Township <b>18</b>	Range <b>20</b>	<input checked="" type="checkbox"/> E <input type="checkbox"/> W	License/Permit/Monitoring # <b>Open ERP</b>
Well Street Address			Present Well Owner <b>City of Chilton</b>		
Well City, Village or Town			Mailing Address of Present Owner <b>42 School Street</b>		
Subdivision Name			Lot #	City of Present Owner <b>Chilton</b>	State <b>WI</b> ZIP Code <b>53014</b>

**3. Well / Drillhole / Borehole Information** **4. Pump, Liner, Screen, Casing & Sealing Material**

Reason For Removal From Service <b>Soil Boring Complete</b>	WI Unique Well # of Replacement Well	Pump and piping removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A Liner(s) removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A Screen removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A Casing left in place? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A Was casing cut off below surface? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A Did sealing material rise to surface? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A Did material settle after 24 hours? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A If yes, was hole retopped? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A If bentonite chips were used, were they hydrated with water from a known safe source <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A			
<input type="checkbox"/> Monitoring Well <input type="checkbox"/> Water Well <input checked="" type="checkbox"/> Drillhole / Borehole		Original Construction Date  If a Well Construction Report is available, please attach.			
Construction Type: <input checked="" type="checkbox"/> Drilled <input type="checkbox"/> Driven (Sandpoint) <input type="checkbox"/> Dug <input type="checkbox"/> Other (Specify) _____					
Formation Type: <input checked="" type="checkbox"/> Unconsolidated Formation <input type="checkbox"/> Bedrock					
Total Well Depth From Ground Surface (ft)		Casing Diameter (in.)			
Lower Drillhole Diameter (in.)		Casing Depth (ft.)			
Was well annular space grouted? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown If yes, to what depth (feet)?      Depth to Water (feet)					
Required Method of Placing Sealing Material <input type="checkbox"/> Conductor Pipe-Gravity <input type="checkbox"/> Conductor Pipe-Pumped <input checked="" type="checkbox"/> Screened & Poured <input type="checkbox"/> Other (Explain) (Bentonite Chips)					
Sealing Materials <input type="checkbox"/> Neat Cement Grout <input type="checkbox"/> Clay-Sand Slurry (11 lb./gal. wt.) <input type="checkbox"/> Sand-Cement (Concrete) Grout <input type="checkbox"/> Bentonite-Sand Slurry " " <input type="checkbox"/> Concrete <input checked="" type="checkbox"/> Bentonite Chips					
For Monitoring Wells and Monitoring Well Boreholes Only: <input type="checkbox"/> Bentonite Chips <input type="checkbox"/> Bentonite - Cement Grout <input type="checkbox"/> Granular Bentonite <input type="checkbox"/> Bentonite - Sand Slurry					

5. Material Used to Fill Well / Drillhole	From (ft.)	To (ft.)	No. Yards, Sacks Sealant or Volume (circle one)	Mix Ratio or Mud Weight
Baroid 3/8' Chips	Surface	5.0	0.25	

**6. Comments**

SB-4

7. Supervision of Work			DNR Use Only	
Name of Person or Firm Doing Filling & Sealing <b>Stantec Consulting Services, Inc.</b>	License #	Date of Filling & Sealing (mm/dd/yyyy) <b>5/6/2024</b>	Date Received	Noted By
Street or Route <b>12080 Corporate Parkway, Suite 200</b>		Telephone Number	Comments	
City <b>Mequon</b>	State <b>WI</b>	ZIP Code <b>53092</b>	Signature of Person Doing Work	
			Date Signed	

Notice: Completion of this report is required by chs. 160, 281, 283, 289, 291-293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291-293, 295, and 299, Wis. Stats., failure to file this form may result in a forfeiture of between \$10-25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be used for any other purpose. Return this form to the appropriate DNR office and bureau. See instructions on reverse for more information.

Verification Only of Fill and Seal

**Route to:**

- Drinking Water       Watershed/Wastewater       Remediation/Redevelopment  
 Waste Management       Other \_\_\_\_\_

**1. Well Location Information** **2. Facility / Owner Information**

County Calumet	WI Unique Well # of Removed Well	Hicap #	Facility Name Former Chilton Plating		
Latitude / Longitude (Degrees and Minutes)		Method Code (see instructions)			
° ' " N ° ' " W					
1/4 / 1/4 or Gov't Lot #	Section 18	Township 18	Range 20	<input checked="" type="checkbox"/> E <input type="checkbox"/> W	License/Permit/Monitoring # Open ERP
Well Street Address			Present Well Owner City of Chilton		
Well City, Village or Town			Mailing Address of Present Owner 42 School Street		
Subdivision Name		Lot #		City of Present Owner Chilton	State WI      ZIP Code 53014

**3. Well / Drillhole / Borehole Information** **4. Pump, Liner, Screen, Casing & Sealing Material**

Reason For Removal From Service Soil Boring Complete	WI Unique Well # of Replacement Well	<input type="checkbox"/> Pump and piping removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A <input type="checkbox"/> Liner(s) removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A <input type="checkbox"/> Screen removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A <input type="checkbox"/> Casing left in place? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A Was casing cut off below surface? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A Did sealing material rise to surface? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A Did material settle after 24 hours? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A If yes, was hole retopped? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A If bentonite chips were used, were they hydrated with water from a known safe source? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A			
<input type="checkbox"/> Monitoring Well <input type="checkbox"/> Water Well <input checked="" type="checkbox"/> Drillhole / Borehole		Original Construction Date _____ If a Well Construction Report is available, please attach.			
Construction Type: <input checked="" type="checkbox"/> Drilled <input type="checkbox"/> Driven (Sandpoint) <input type="checkbox"/> Dug <input type="checkbox"/> Other (Specify) _____					
Formation Type: <input checked="" type="checkbox"/> Unconsolidated Formation <input type="checkbox"/> Bedrock					
Total Well Depth From Ground Surface (ft)		Casing Diameter (in.)			
Lower Drillhole Diameter (in.)		Casing Depth (ft.)			
Was well annular space grouted? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown If yes, to what depth (feet)?      Depth to Water (feet) _____					
Required Method of Placing Sealing Material <input type="checkbox"/> Conductor Pipe-Gravity <input type="checkbox"/> Conductor Pipe-Pumped <input checked="" type="checkbox"/> Screened & Poured <input type="checkbox"/> Other (Explain) _____ (Bentonite Chips)					
Sealing Materials <input type="checkbox"/> Neat Cement Grout <input type="checkbox"/> Clay-Sand Slurry (11 lb./gal. wt.) <input type="checkbox"/> Sand-Cement (Concrete) Grout <input type="checkbox"/> Bentonite-Sand Slurry " " <input type="checkbox"/> Concrete <input checked="" type="checkbox"/> Bentonite Chips					
For Monitoring Wells and Monitoring Well Boreholes Only: <input type="checkbox"/> Bentonite Chips <input type="checkbox"/> Bentonite - Cement Grout <input type="checkbox"/> Granular Bentonite <input type="checkbox"/> Bentonite - Sand Slurry					

5. Material Used to Fill Well / Drillhole	From (ft.)	To (ft.)	No. Yards, Sacks Sealant or Volume (circle one)	Mix Ratio or Mud Weight
Baroid 3/8' Chips	Surface	5.0	0.25	

**6. Comments**

SB-5

7. Supervision of Work			DNR Use Only	
Name of Person or Firm Doing Filling & Sealing Stantec Consulting Services, Inc.	License #	Date of Filling & Sealing (mm/dd/yyyy) 5/6/2024	Date Received	Noted By
Street or Route 12080 Corporate Parkway, Suite 200		Telephone Number	Comments	
City Mequon	State WI	ZIP Code 53092	Signature of Person Doing Work	
			Date Signed	

Notice: Completion of this report is required by chs. 160, 281, 283, 289, 291-293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291-293, 295, and 299, Wis. Stats., failure to file this form may result in a forfeiture of between \$10-25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be used for any other purpose. Return this form to the appropriate DNR office and bureau. See instructions on reverse for more information.

Verification Only of Fill and Seal

**Route to:**

- Drinking Water       Watershed/Wastewater       Remediation/Redevelopment  
 Waste Management       Other \_\_\_\_\_

**1. Well Location Information** **2. Facility / Owner Information**

County <b>Calumet</b>	WI Unique Well # of Removed Well	Hicap #	Facility Name <b>Former Chilton Plating</b>		
Latitude / Longitude (Degrees and Minutes) ° ' " N ° ' " W		Method Code (see instructions)		Facility ID (FID or PWS)	
1/4 / 1/4 or Gov't Lot #	Section <b>18</b>	Township <b>18</b>	Range <b>20</b>	License/Permit/Monitoring # <b>Open ERP</b>	
Well Street Address			Original Well Owner		
Well City, Village or Town			Present Well Owner <b>City of Chilton</b>		
Subdivision Name		Lot #		Mailing Address of Present Owner <b>42 School Street</b>	
Reason For Removal From Service <b>Soil Boring Complete</b>			City of Present Owner <b>Chilton</b>		
WI Unique Well # of Replacement Well			State <b>WI</b>		ZIP Code <b>53014</b>

**3. Well / Drillhole / Borehole Information**

<input type="checkbox"/> Monitoring Well <input type="checkbox"/> Water Well <input checked="" type="checkbox"/> Drillhole / Borehole	Original Construction Date  If a Well Construction Report is available, please attach.
Construction Type: <input checked="" type="checkbox"/> Drilled <input type="checkbox"/> Driven (Sandpoint) <input type="checkbox"/> Dug <input type="checkbox"/> Other (Specify) _____	
Formation Type: <input checked="" type="checkbox"/> Unconsolidated Formation <input type="checkbox"/> Bedrock	
Total Well Depth From Ground Surface (ft)	Casing Diameter (in.)
Lower Drillhole Diameter (in.)	Casing Depth (ft.)
Was well annular space grouted? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown If yes, to what depth (feet)?      Depth to Water (feet)	

**4. Pump, Liner, Screen, Casing & Sealing Material**

Pump and piping removed?	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input checked="" type="checkbox"/> N/A
Liner(s) removed?	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input checked="" type="checkbox"/> N/A
Screen removed?	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input checked="" type="checkbox"/> N/A
Casing left in place?	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> N/A
Was casing cut off below surface?	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> N/A
Did sealing material rise to surface?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> N/A
Did material settle after 24 hours?	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input checked="" type="checkbox"/> N/A
If yes, was hole retopped?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	<input type="checkbox"/> N/A
If bentonite chips were used, were they hydrated with water from a known safe source	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	<input type="checkbox"/> N/A
Required Method of Placing Sealing Material			
<input type="checkbox"/> Conductor Pipe-Gravity	<input type="checkbox"/> Conductor Pipe-Pumped		
<input checked="" type="checkbox"/> Screened & Poured	<input type="checkbox"/> Other (Explain)		
(Bentonite Chips)			
Sealing Materials			
<input type="checkbox"/> Neat Cement Grout	<input type="checkbox"/> Clay-Sand Slurry (11 lb./gal. wt.)		
<input type="checkbox"/> Sand-Cement (Concrete) Grout	<input type="checkbox"/> Bentonite-Sand Slurry " "		
<input type="checkbox"/> Concrete	<input checked="" type="checkbox"/> Bentonite Chips		
For Monitoring Wells and Monitoring Well Boreholes Only:			
<input type="checkbox"/> Bentonite Chips	<input type="checkbox"/> Bentonite - Cement Grout		
<input type="checkbox"/> Granular Bentonite	<input type="checkbox"/> Bentonite - Sand Slurry		

**5. Material Used to Fill Well / Drillhole**

	From (ft.)	To (ft.)	No. Yards, Sacks Sealant or Volume (circle one)	Mix Ratio or Mud Weight
Baroid 3/8' Chips	Surface	5.0	0.25	

**6. Comments**

SB-6

<b>7. Supervision of Work</b>			<b>DNR Use Only</b>	
Name of Person or Firm Doing Filling & Sealing <b>Stantec Consulting Services, Inc.</b>	License #	Date of Filling & Sealing (mm/dd/yyyy) <b>5/6/2024</b>	Date Received	Noted By
Street or Route <b>12080 Corporate Parkway, Suite 200</b>		Telephone Number		Comments
City <b>Mequon</b>	State <b>WI</b>	ZIP Code <b>53092</b>	Signature of Person Doing Work	
			Date Signed	







Notice: Completion of this report is required by chs. 160, 281, 283, 289, 291-293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291-293, 295, and 299, Wis. Stats., failure to file this form may result in a forfeiture of between \$10-25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be used for any other purpose. Return this form to the appropriate DNR office and bureau. See instructions on reverse for more information.

Verification Only of Fill and Seal

**Route to:**

- Drinking Water       Watershed/Wastewater       Remediation/Redevelopment  
 Waste Management       Other \_\_\_\_\_

**1. Well Location Information** **2. Facility / Owner Information**

County <b>Calumet</b>	WI Unique Well # of Removed Well	Hicap #	Facility Name <b>Former Chilton Plating</b>		
Latitude / Longitude (Degrees and Minutes)		Method Code (see instructions)			
° ' " N					
° ' " W					
1/4 / 1/4	1/4	Section <b>18</b>	Township <b>18</b>	Range <input checked="" type="checkbox"/> E <input type="checkbox"/> W <b>20</b>	License/Permit/Monitoring # <b>Open ERP</b>
or Gov't Lot #		Original Well Owner			
Well Street Address			Present Well Owner <b>City of Chilton</b>		
Well City, Village or Town			Mailing Address of Present Owner <b>42 School Street</b>		
Subdivision Name			City of Present Owner <b>Chilton</b>		State <b>WI</b>
Lot #			ZIP Code <b>53014</b>		

**4. Pump, Liner, Screen, Casing & Sealing Material**

Reason For Removal From Service <b>Soil Boring Complete</b>	WI Unique Well # of Replacement Well	Pump and piping removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A Liner(s) removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A Screen removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A Casing left in place? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A Was casing cut off below surface? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A Did sealing material rise to surface? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A Did material settle after 24 hours? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A If yes, was hole retopped? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A If bentonite chips were used, were they hydrated with water from a known safe source? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A			
--	--------------------------------------	--	--	--	--

**3. Well / Drillhole / Borehole Information**

<input type="checkbox"/> Monitoring Well <input type="checkbox"/> Water Well <input checked="" type="checkbox"/> Drillhole / Borehole	Original Construction Date  If a Well Construction Report is available, please attach.	Construction Type: <input checked="" type="checkbox"/> Drilled <input type="checkbox"/> Driven (Sandpoint) <input type="checkbox"/> Dug <input type="checkbox"/> Other (Specify) _____	
Formation Type: <input checked="" type="checkbox"/> Unconsolidated Formation <input type="checkbox"/> Bedrock		Total Well Depth From Ground Surface (ft)      Casing Diameter (in.)	
Lower Drillhole Diameter (in.)      Casing Depth (ft.)		Was well annular space grouted? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown If yes, to what depth (feet)?      Depth to Water (feet)	

Required Method of Placing Sealing Material <input type="checkbox"/> Conductor Pipe-Gravity <input type="checkbox"/> Conductor Pipe-Pumped <input checked="" type="checkbox"/> Screened & Poured <input type="checkbox"/> Other (Explain) (Bentonite Chips)	
Sealing Materials <input type="checkbox"/> Neat Cement Grout <input type="checkbox"/> Clay-Sand Slurry (11 lb./gal. wt.) <input type="checkbox"/> Sand-Cement (Concrete) Grout <input type="checkbox"/> Bentonite-Sand Slurry " " <input type="checkbox"/> Concrete <input checked="" type="checkbox"/> Bentonite Chips	
For Monitoring Wells and Monitoring Well Boreholes Only: <input type="checkbox"/> Bentonite Chips <input type="checkbox"/> Bentonite - Cement Grout <input type="checkbox"/> Granular Bentonite <input type="checkbox"/> Bentonite - Sand Slurry	

**5. Material Used to Fill Well / Drillhole**

	From (ft.)	To (ft.)	No. Yards, Sacks Sealant or Volume (circle one)	Mix Ratio or Mud Weight
Baroid 3/8' Chips	Surface	5.0	0.25	

**6. Comments**

SB-9

**7. Supervision of Work** **DNR Use Only**

Name of Person or Firm Doing Filling & Sealing <b>Stantec Consulting Services, Inc.</b>	License #	Date of Filling & Sealing (mm/dd/yyyy) <b>5/6/2024</b>	Date Received	Noted By
Street or Route <b>12080 Corporate Parkway, Suite 200</b>		Telephone Number		Comments
City <b>Mequon</b>	State <b>WI</b>	ZIP Code <b>53092</b>	Signature of Person Doing Work	
			Date Signed	

Notice: Completion of this report is required by chs. 160, 281, 283, 289, 291-293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291-293, 295, and 299, Wis. Stats., failure to file this form may result in a forfeiture of between \$10-25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be used for any other purpose. Return this form to the appropriate DNR office and bureau. See instructions on reverse for more information.

Verification Only of Fill and Seal

**Route to:**

- Drinking Water       Watershed/Wastewater       Remediation/Redevelopment  
 Waste Management       Other \_\_\_\_\_

**1. Well Location Information** **2. Facility / Owner Information**

County <b>Calumet</b>	WI Unique Well # of Removed Well	Hicap #	Facility Name <b>Former Chilton Plating</b>		
Latitude / Longitude (Degrees and Minutes) ° ' " N ° ' " W		Method Code (see instructions)		Facility ID (FID or PWS)	
1/4 / 1/4 or Gov't Lot #	Section <b>18</b>	Township <b>18</b>	Range <b>20</b>	<input checked="" type="checkbox"/> E <input type="checkbox"/> W	License/Permit/Monitoring # <b>Open ERP</b>
Well Street Address			Present Well Owner <b>City of Chilton</b>		
Well City, Village or Town			Mailing Address of Present Owner <b>42 School Street</b>		
Subdivision Name		Lot #	City of Present Owner <b>Chilton</b>		State <b>WI</b> ZIP Code <b>53014</b>

**3. Well / Drillhole / Borehole Information** **4. Pump, Liner, Screen, Casing & Sealing Material**

Reason For Removal From Service <b>Soil Boring Complete</b>	WI Unique Well # of Replacement Well	Pump and piping removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A Liner(s) removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A Screen removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A Casing left in place? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A Was casing cut off below surface? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A Did sealing material rise to surface? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A Did material settle after 24 hours? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A If yes, was hole retopped? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A If bentonite chips were used, were they hydrated with water from a known safe source <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	
<input type="checkbox"/> Monitoring Well <input type="checkbox"/> Water Well <input checked="" type="checkbox"/> Drillhole / Borehole		Original Construction Date  If a Well Construction Report is available, please attach.	
Construction Type: <input checked="" type="checkbox"/> Drilled <input type="checkbox"/> Driven (Sandpoint) <input type="checkbox"/> Dug <input type="checkbox"/> Other (Specify) _____			
Formation Type: <input checked="" type="checkbox"/> Unconsolidated Formation <input type="checkbox"/> Bedrock			
Total Well Depth From Ground Surface (ft)	Casing Diameter (in.)		
Lower Drillhole Diameter (in.)	Casing Depth (ft.)		
Was well annular space grouted? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown If yes, to what depth (feet)?      Depth to Water (feet)			
Required Method of Placing Sealing Material <input type="checkbox"/> Conductor Pipe-Gravity <input type="checkbox"/> Conductor Pipe-Pumped <input checked="" type="checkbox"/> Screened & Poured <input type="checkbox"/> Other (Explain) (Bentonite Chips)		Sealing Materials <input type="checkbox"/> Neat Cement Grout <input type="checkbox"/> Clay-Sand Slurry (11 lb./gal. wt.) <input type="checkbox"/> Sand-Cement (Concrete) Grout <input type="checkbox"/> Bentonite-Sand Slurry " " <input type="checkbox"/> Concrete <input checked="" type="checkbox"/> Bentonite Chips	
For Monitoring Wells and Monitoring Well Boreholes Only: <input type="checkbox"/> Bentonite Chips <input type="checkbox"/> Bentonite - Cement Grout <input type="checkbox"/> Granular Bentonite <input type="checkbox"/> Bentonite - Sand Slurry			

5. Material Used to Fill Well / Drillhole	From (ft.)	To (ft.)	No. Yards, Sacks Sealant or Volume (circle one)	Mix Ratio or Mud Weight
Baroid 3/8' Chips	Surface	5.0	0.25	

**6. Comments**

SB-10

7. Supervision of Work			DNR Use Only	
Name of Person or Firm Doing Filling & Sealing <b>Stantec Consulting Services, Inc.</b>	License #	Date of Filling & Sealing (mm/dd/yyyy) <b>5/6/2024</b>	Date Received	Noted By
Street or Route <b>12080 Corporate Parkway, Suite 200</b>		Telephone Number	Comments	
City <b>Mequon</b>	State <b>WI</b>	ZIP Code <b>53092</b>	Signature of Person Doing Work	
			Date Signed	

Notice: Completion of this report is required by chs. 160, 281, 283, 289, 291-293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291-293, 295, and 299, Wis. Stats., failure to file this form may result in a forfeiture of between \$10-25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be used for any other purpose. Return this form to the appropriate DNR office and bureau. See instructions on reverse for more information.

Verification Only of Fill and Seal

**Route to:**

- Drinking Water       Watershed/Wastewater       Remediation/Redevelopment  
 Waste Management       Other \_\_\_\_\_

**1. Well Location Information** **2. Facility / Owner Information**

County <b>Calumet</b>	WI Unique Well # of Removed Well	Hicap #	Facility Name <b>Former Chilton Plating</b>		
Latitude / Longitude (Degrees and Minutes)		Method Code (see instructions)			
° ' " N ° ' " W					
1/4 / 1/4 or Gov't Lot #	Section <b>18</b>	Township <b>18</b>	Range <b>20</b>	<input checked="" type="checkbox"/> E <input type="checkbox"/> W	License/Permit/Monitoring # <b>Open ERP</b>
Well Street Address			Original Well Owner		
Well City, Village or Town			Present Well Owner <b>City of Chilton</b>		
Subdivision Name			Mailing Address of Present Owner <b>42 School Street</b>		
Lot #			City of Present Owner <b>Chilton</b>		State <b>WI</b>
					ZIP Code <b>53014</b>

**3. Well / Drillhole / Borehole Information** **4. Pump, Liner, Screen, Casing & Sealing Material**

Reason For Removal From Service <b>Soil Boring Complete</b>	WI Unique Well # of Replacement Well	Pump and piping removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A Liner(s) removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A Screen removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A Casing left in place? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A Was casing cut off below surface? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A Did sealing material rise to surface? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A Did material settle after 24 hours? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A If yes, was hole retopped? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A If bentonite chips were used, were they hydrated with water from a known safe source? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A			
<input type="checkbox"/> Monitoring Well <input type="checkbox"/> Water Well <input checked="" type="checkbox"/> Drillhole / Borehole		Original Construction Date  If a Well Construction Report is available, please attach.			
Construction Type: <input checked="" type="checkbox"/> Drilled <input type="checkbox"/> Driven (Sandpoint) <input type="checkbox"/> Dug <input type="checkbox"/> Other (Specify) _____					
Formation Type: <input checked="" type="checkbox"/> Unconsolidated Formation <input type="checkbox"/> Bedrock					
Total Well Depth From Ground Surface (ft)		Casing Diameter (in.)			
Lower Drillhole Diameter (in.)		Casing Depth (ft.)			
Was well annular space grouted? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown					
If yes, to what depth (feet)?		Depth to Water (feet)			
Required Method of Placing Sealing Material <input type="checkbox"/> Conductor Pipe-Gravity <input type="checkbox"/> Conductor Pipe-Pumped <input checked="" type="checkbox"/> Screened & Poured <input type="checkbox"/> Other (Explain) (Bentonite Chips)					
Sealing Materials <input type="checkbox"/> Neat Cement Grout <input type="checkbox"/> Clay-Sand Slurry (11 lb./gal. wt.) <input type="checkbox"/> Sand-Cement (Concrete) Grout <input type="checkbox"/> Bentonite-Sand Slurry " " <input type="checkbox"/> Concrete <input checked="" type="checkbox"/> Bentonite Chips					
For Monitoring Wells and Monitoring Well Boreholes Only: <input type="checkbox"/> Bentonite Chips <input type="checkbox"/> Bentonite - Cement Grout <input type="checkbox"/> Granular Bentonite <input type="checkbox"/> Bentonite - Sand Slurry					

5. Material Used to Fill Well / Drillhole	From (ft.)	To (ft.)	No. Yards, Sacks Sealant or Volume (circle one)	Mix Ratio or Mud Weight
Baroid 3/8' Chips	Surface	5.0	0.25	

**6. Comments**

SB-11

7. Supervision of Work			DNR Use Only	
Name of Person or Firm Doing Filling & Sealing <b>Stantec Consulting Services, Inc.</b>	License #	Date of Filling & Sealing (mm/dd/yyyy) <b>5/6/2024</b>	Date Received	Noted By
Street or Route <b>12080 Corporate Parkway, Suite 200</b>		Telephone Number		Comments
City <b>Mequon</b>	State <b>WI</b>	ZIP Code <b>53092</b>	Signature of Person Doing Work	
			Date Signed	





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Verification Only of Fill and Seal

**Route to:**

- Drinking Water       Watershed/Wastewater       Remediation/Redevelopment  
 Waste Management       Other \_\_\_\_\_

**1. Well Location Information** **2. Facility / Owner Information**

County <b>Calumet</b>	WI Unique Well # of Removed Well	Hicap #	Facility Name <b>Former Chilton Plating</b>		
Latitude / Longitude (Degrees and Minutes)		Method Code (see instructions)			
° ' " N ° ' " W					
1/4 / 1/4 or Gov't Lot #	Section <b>18</b>	Township <b>18</b>	Range <b>20</b>	<input checked="" type="checkbox"/> E <input type="checkbox"/> W	License/Permit/Monitoring # <b>Open ERP</b>
Well Street Address			Present Well Owner <b>City of Chilton</b>		
Well City, Village or Town			Mailing Address of Present Owner <b>42 School Street</b>		
Subdivision Name			Lot #	City of Present Owner <b>Chilton</b>	State <b>WI</b> ZIP Code <b>53014</b>

**3. Well / Drillhole / Borehole Information** **4. Pump, Liner, Screen, Casing & Sealing Material**

Reason For Removal From Service <b>Soil Boring Complete</b>	WI Unique Well # of Replacement Well	Pump and piping removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A Liner(s) removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A Screen removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A Casing left in place? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A Was casing cut off below surface? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A Did sealing material rise to surface? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A Did material settle after 24 hours? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A If yes, was hole retopped? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A If bentonite chips were used, were they hydrated with water from a known safe source <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A			
<input type="checkbox"/> Monitoring Well <input type="checkbox"/> Water Well <input checked="" type="checkbox"/> Drillhole / Borehole		Original Construction Date  If a Well Construction Report is available, please attach.			
Construction Type: <input checked="" type="checkbox"/> Drilled <input type="checkbox"/> Driven (Sandpoint) <input type="checkbox"/> Dug <input type="checkbox"/> Other (Specify) _____					
Formation Type: <input checked="" type="checkbox"/> Unconsolidated Formation <input type="checkbox"/> Bedrock					
Total Well Depth From Ground Surface (ft)		Casing Diameter (in.)			
Lower Drillhole Diameter (in.)		Casing Depth (ft.)			
Was well annular space grouted? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown If yes, to what depth (feet)?      Depth to Water (feet)					
Required Method of Placing Sealing Material <input type="checkbox"/> Conductor Pipe-Gravity <input type="checkbox"/> Conductor Pipe-Pumped <input checked="" type="checkbox"/> Screened & Poured <input type="checkbox"/> Other (Explain) (Bentonite Chips)					
Sealing Materials <input type="checkbox"/> Neat Cement Grout <input type="checkbox"/> Clay-Sand Slurry (11 lb./gal. wt.) <input type="checkbox"/> Sand-Cement (Concrete) Grout <input type="checkbox"/> Bentonite-Sand Slurry " " <input type="checkbox"/> Concrete <input checked="" type="checkbox"/> Bentonite Chips					
For Monitoring Wells and Monitoring Well Boreholes Only: <input type="checkbox"/> Bentonite Chips <input type="checkbox"/> Bentonite - Cement Grout <input type="checkbox"/> Granular Bentonite <input type="checkbox"/> Bentonite - Sand Slurry					

5. Material Used to Fill Well / Drillhole	From (ft.)	To (ft.)	No. Yards, Sacks Sealant or Volume (circle one)	Mix Ratio or Mud Weight
Baroid 3/8' Chips	Surface	5.0	0.25	

**6. Comments**

SB-14

7. Supervision of Work			DNR Use Only	
Name of Person or Firm Doing Filling & Sealing <b>Stantec Consulting Services, Inc.</b>	License #	Date of Filling & Sealing (mm/dd/yyyy) <b>5/6/2024</b>	Date Received	Noted By
Street or Route <b>12080 Corporate Parkway, Suite 200</b>		Telephone Number	Comments	
City <b>Mequon</b>	State <b>WI</b>	ZIP Code <b>53092</b>	Signature of Person Doing Work	
			Date Signed	

# **Appendix B**

## **Laboratory Reports**





# ANALYTICAL REPORT

## PREPARED FOR

Attn: Jiyan Hatami  
Stantec Consulting Corporation  
12080 Corporate Parkway, Suite 200  
Mequon, Wisconsin 53092

Generated 3/25/2024 5:44:48 PM

## JOB DESCRIPTION

Chilton Plating - 193709334

## JOB NUMBER

500-247914-1

# Eurofins Chicago

## Job Notes

The test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to the NELAP requirements are noted in this report. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory. This report is confidential and is intended for the sole use of Eurofins Environment Testing North Central, LLC and its client. All questions regarding this report should be directed to the Eurofins Environment Testing North Central, LLC Project Manager who has signed this report.

Results relate only to the items tested and the sample(s) as received by the laboratory. The results, detection limits (LOD) and Quantitation Limits (LOQ) have been adjusted for sample dilutions and/or solids content.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Chicago Project Manager.

## Compliance Statement

The LOD and LOQ reported are adjusted by the dilution factor when a dilution factor greater than 1 is needed. Additionally, where results are indicated as being reported on a dry weight basis, the LOD and LOQ are adjusted for moisture content as well.

### Definitions of Limits

- LOD = Limit of Detection = MDL as defined by 40 CFR part 136 Appendix B
- LOQ = Limit of Quantitation = 3.33 x LOD as defined by Wisconsin
- RL = Report Limit = a concentration supported by a standard in the calibration curves

## Authorization



Generated  
3/25/2024 5:44:48 PM

Authorized for release by  
Jodie Bracken, Project Manager I  
[Jodie.Bracken@ET.EurofinsUS.com](mailto:Jodie.Bracken@ET.EurofinsUS.com)  
Designee for  
Sandie Fredrick, Senior Project Manager  
[Sandra.Fredrick@et.eurofinsus.com](mailto:Sandra.Fredrick@et.eurofinsus.com)  
(920)261-1660

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# Case Narrative

Client: Stantec Consulting Corporation  
Project: Chilton Plating - 193709334

Job ID: 500-247914-1

**Job ID: 500-247914-1**

**Eurofins Chicago**

## Job Narrative 500-247914-1

### Receipt

The samples were received on 3/22/2024 10:25 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 2.7° C.

### Field Service / Mobile Lab

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

### General Chemistry

Methods 7196A, SM 3500 CR B: The method blank for analytical batch 500-759569 contained Chromium, hexavalent above the method detection limit. This target analyte concentration was less than the reporting limit (RL) in the method blank; therefore, re-extraction and/or re-analysis of samples was not performed.

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

Eurofins Chicago



# Detection Summary

Client: Stantec Consulting Corporation  
Project/Site: Chilton Plating - 193709334

Job ID: 500-247914-1

## Client Sample ID: SPZ-1

Lab Sample ID: 500-247914-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chromium, hexavalent	0.016	B	0.010	0.0032	mg/L	1		7196A	Dissolved

## Client Sample ID: CPMW02

Lab Sample ID: 500-247914-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chromium, hexavalent	0.089	B	0.010	0.0032	mg/L	1		7196A	Dissolved

## Client Sample ID: CPMW03

Lab Sample ID: 500-247914-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chromium, hexavalent	0.078	B	0.010	0.0032	mg/L	1		7196A	Dissolved

## Client Sample ID: SMW-2

Lab Sample ID: 500-247914-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chromium, hexavalent	0.017	B	0.010	0.0032	mg/L	1		7196A	Dissolved

## Client Sample ID: SMW-5

Lab Sample ID: 500-247914-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chromium, hexavalent	0.0070	J B	0.010	0.0032	mg/L	1		7196A	Dissolved

## Client Sample ID: Dup-1

Lab Sample ID: 500-247914-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chromium, hexavalent	0.0083	J B	0.010	0.0032	mg/L	1		7196A	Dissolved

This Detection Summary does not include radiochemical test results.

Eurofins Chicago

# Method Summary

Client: Stantec Consulting Corporation  
Project/Site: Chilton Plating - 193709334

Job ID: 500-247914-1

---

Method	Method Description	Protocol	Laboratory
7196A	Chromium, Hexavalent	SW846	EET CHI

---

**Protocol References:**

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

**Laboratory References:**

EET CHI = Eurofins Chicago, 2417 Bond Street, University Park, IL 60484, TEL (708)534-5200



# Sample Summary

Client: Stantec Consulting Corporation  
Project/Site: Chilton Plating - 193709334

Job ID: 500-247914-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
500-247914-1	SPZ-1	Water	03/21/24 15:15	03/22/24 10:25
500-247914-2	CPMW02	Water	03/21/24 15:55	03/22/24 10:25
500-247914-3	CPMW03	Water	03/21/24 14:25	03/22/24 10:25
500-247914-4	SMW-2	Water	03/21/24 16:00	03/22/24 10:25
500-247914-5	SMW-5	Water	03/21/24 15:30	03/22/24 10:25
500-247914-6	Dup-1	Water	03/21/24 15:31	03/22/24 10:25

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# Client Sample Results

Client: Stantec Consulting Corporation  
Project/Site: Chilton Plating - 193709334

Job ID: 500-247914-1

**Client Sample ID: SPZ-1**

**Lab Sample ID: 500-247914-1**

**Date Collected: 03/21/24 15:15**

**Matrix: Water**

**Date Received: 03/22/24 10:25**

## General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium, hexavalent (SW846 7196A)	0.016	B	0.010	0.0032	mg/L			03/22/24 11:48	1

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# Client Sample Results

Client: Stantec Consulting Corporation  
Project/Site: Chilton Plating - 193709334

Job ID: 500-247914-1

**Client Sample ID: CPMW02**

**Lab Sample ID: 500-247914-2**

**Date Collected: 03/21/24 15:55**

**Matrix: Water**

**Date Received: 03/22/24 10:25**

## General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium, hexavalent (SW846 7196A)	0.089	B	0.010	0.0032	mg/L			03/22/24 11:48	1

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# Client Sample Results

Client: Stantec Consulting Corporation  
Project/Site: Chilton Plating - 193709334

Job ID: 500-247914-1

**Client Sample ID: CPMW03**

**Lab Sample ID: 500-247914-3**

Date Collected: 03/21/24 14:25

Matrix: Water

Date Received: 03/22/24 10:25

## General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium, hexavalent (SW846 7196A)	0.078	B	0.010	0.0032	mg/L			03/22/24 11:50	1

- 1
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# Client Sample Results

Client: Stantec Consulting Corporation  
Project/Site: Chilton Plating - 193709334

Job ID: 500-247914-1

**Client Sample ID: SMW-2**

**Date Collected: 03/21/24 16:00**

**Date Received: 03/22/24 10:25**

**Lab Sample ID: 500-247914-4**

**Matrix: Water**

## General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium, hexavalent (SW846 7196A)	0.017	B	0.010	0.0032	mg/L			03/22/24 11:50	1

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# Client Sample Results

Client: Stantec Consulting Corporation  
Project/Site: Chilton Plating - 193709334

Job ID: 500-247914-1

**Client Sample ID: SMW-5**  
**Date Collected: 03/21/24 15:30**  
**Date Received: 03/22/24 10:25**

**Lab Sample ID: 500-247914-5**  
**Matrix: Water**

## General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium, hexavalent (SW846 7196A)	0.0070	J B	0.010	0.0032	mg/L			03/22/24 11:51	1

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# Client Sample Results

Client: Stantec Consulting Corporation  
Project/Site: Chilton Plating - 193709334

Job ID: 500-247914-1

**Client Sample ID: Dup-1**

**Date Collected: 03/21/24 15:31**

**Date Received: 03/22/24 10:25**

**Lab Sample ID: 500-247914-6**

**Matrix: Water**

## General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium, hexavalent (SW846 7196A)	0.0083	J B	0.010	0.0032	mg/L			03/22/24 11:52	1

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# Definitions/Glossary

Client: Stantec Consulting Corporation  
Project/Site: Chilton Plating - 193709334

Job ID: 500-247914-1

## Qualifiers

### General Chemistry

Qualifier	Qualifier Description
B	Compound was found in the blank and sample.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

## Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
α	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
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

# QC Association Summary

Client: Stantec Consulting Corporation  
Project/Site: Chilton Plating - 193709334

Job ID: 500-247914-1

## General Chemistry

### Analysis Batch: 759569

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-247914-1	SPZ-1	Dissolved	Water	7196A	
500-247914-2	CPMW02	Dissolved	Water	7196A	
500-247914-3	CPMW03	Dissolved	Water	7196A	
500-247914-4	SMW-2	Dissolved	Water	7196A	
500-247914-5	SMW-5	Dissolved	Water	7196A	
500-247914-6	Dup-1	Dissolved	Water	7196A	
MB 500-759569/9	Method Blank	Total/NA	Water	7196A	
LCS 500-759569/10	Lab Control Sample	Total/NA	Water	7196A	
500-247914-2 MS	CPMW02	Dissolved	Water	7196A	
500-247914-2 MSD	CPMW02	Dissolved	Water	7196A	

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# QC Sample Results

Client: Stantec Consulting Corporation  
 Project/Site: Chilton Plating - 193709334

Job ID: 500-247914-1

## Method: 7196A - Chromium, Hexavalent

**Lab Sample ID: MB 500-759569/9**  
**Matrix: Water**  
**Analysis Batch: 759569**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium, hexavalent	0.00430	J	0.010	0.0032	mg/L			03/22/24 11:46	1

**Lab Sample ID: LCS 500-759569/10**  
**Matrix: Water**  
**Analysis Batch: 759569**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chromium, hexavalent	0.250	0.249		mg/L		100	85 - 115

**Lab Sample ID: 500-247914-2 MS**  
**Matrix: Water**  
**Analysis Batch: 759569**

**Client Sample ID: CPMW02**  
**Prep Type: Dissolved**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chromium, hexavalent	0.089	B	0.250	0.308		mg/L		88	85 - 115

**Lab Sample ID: 500-247914-2 MSD**  
**Matrix: Water**  
**Analysis Batch: 759569**

**Client Sample ID: CPMW02**  
**Prep Type: Dissolved**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chromium, hexavalent	0.089	B	0.250	0.313		mg/L		89	85 - 115	1	20



# Lab Chronicle

Client: Stantec Consulting Corporation  
Project/Site: Chilton Plating - 193709334

Job ID: 500-247914-1

**Client Sample ID: SPZ-1**

**Date Collected: 03/21/24 15:15**

**Date Received: 03/22/24 10:25**

**Lab Sample ID: 500-247914-1**

**Matrix: Water**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Dissolved	Analysis	7196A		1	759569	KF	EET CHI	03/22/24 11:48

**Client Sample ID: CPMW02**

**Date Collected: 03/21/24 15:55**

**Date Received: 03/22/24 10:25**

**Lab Sample ID: 500-247914-2**

**Matrix: Water**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Dissolved	Analysis	7196A		1	759569	KF	EET CHI	03/22/24 11:48

**Client Sample ID: CPMW03**

**Date Collected: 03/21/24 14:25**

**Date Received: 03/22/24 10:25**

**Lab Sample ID: 500-247914-3**

**Matrix: Water**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Dissolved	Analysis	7196A		1	759569	KF	EET CHI	03/22/24 11:50

**Client Sample ID: SMW-2**

**Date Collected: 03/21/24 16:00**

**Date Received: 03/22/24 10:25**

**Lab Sample ID: 500-247914-4**

**Matrix: Water**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Dissolved	Analysis	7196A		1	759569	KF	EET CHI	03/22/24 11:50

**Client Sample ID: SMW-5**

**Date Collected: 03/21/24 15:30**

**Date Received: 03/22/24 10:25**

**Lab Sample ID: 500-247914-5**

**Matrix: Water**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Dissolved	Analysis	7196A		1	759569	KF	EET CHI	03/22/24 11:51

**Client Sample ID: Dup-1**

**Date Collected: 03/21/24 15:31**

**Date Received: 03/22/24 10:25**

**Lab Sample ID: 500-247914-6**

**Matrix: Water**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Dissolved	Analysis	7196A		1	759569	KF	EET CHI	03/22/24 11:52

**Laboratory References:**

EET CHI = Eurofins Chicago, 2417 Bond Street, University Park, IL 60484, TEL (708)534-5200

# Accreditation/Certification Summary

Client: Stantec Consulting Corporation  
Project/Site: Chilton Plating - 193709334

Job ID: 500-247914-1

## Laboratory: Eurofins Chicago

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Wisconsin	State	999580010	08-31-24

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JIYAN HATAMI  
STANTEC CONSULTING CORP.  
12080 CORPORATE PARKWAY  
#200  
MEQUON, WI 53092  
UNITED STATES US

ACTWGT: 25.00 LB MAN  
CAD: 0780307/CAFE3755



500-247914 Waybi

TO **SAMPLE RECEIPT**  
**EUROFINS CHICAGO**  
**2417 BOND ST.**

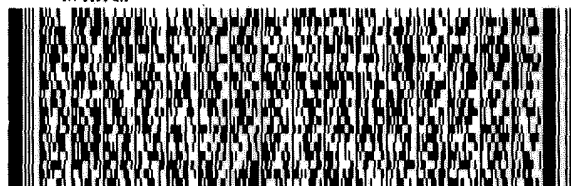
**UNIVERSITY PARK IL 60484**

(708) 634-6200

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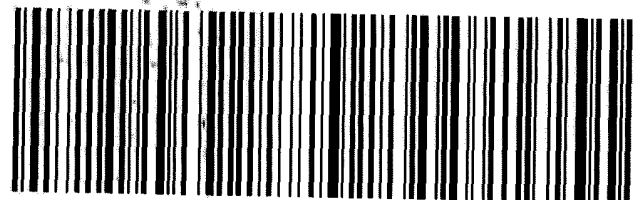
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Part # 159450-434 MTRW EXP 10/24

EXP 09/24

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# Login Sample Receipt Checklist

Client: Stantec Consulting Corporation

Job Number: 500-247914-1

**Login Number: 247914**

**List Number: 1**

**Creator: Hernandez, Stephanie**

**List Source: Eurofins Chicago**

Question	Answer	Comment
Radioactivity wasn't checked or is <math>\leq</math> background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	2.7
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <math><6\text{mm}</math> (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	





# ANALYTICAL REPORT

## PREPARED FOR

Attn: Jiyan Hatami  
Stantec Consulting Corporation  
12080 Corporate Parkway, Suite 200  
Mequon, Wisconsin 53092

Generated 4/9/2024 1:26:34 PM

## JOB DESCRIPTION

Chilton Plating - 193709334

## JOB NUMBER

500-248044-1

# Eurofins Chicago

## Job Notes

The test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to the NELAP requirements are noted in this report. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory. This report is confidential and is intended for the sole use of Eurofins Environment Testing North Central, LLC and its client. All questions regarding this report should be directed to the Eurofins Environment Testing North Central, LLC Project Manager who has signed this report.

Results relate only to the items tested and the sample(s) as received by the laboratory. The results, detection limits (LOD) and Quantitation Limits (LOQ) have been adjusted for sample dilutions and/or solids content.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Chicago Project Manager.

## Compliance Statement

The LOD and LOQ reported are adjusted by the dilution factor when a dilution factor greater than 1 is needed. Additionally, where results are indicated as being reported on a dry weight basis, the LOD and LOQ are adjusted for moisture content as well.

### Definitions of Limits

- LOD = Limit of Detection = MDL as defined by 40 CFR part 136 Appendix B
- LOQ = Limit of Quantitation = 3.33 x LOD as defined by Wisconsin
- RL = Report Limit = a concentration supported by a standard in the calibration curves

## Authorization



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Authorized for release by  
Sandie Fredrick, Senior Project Manager  
[Sandra.Fredrick@et.eurofinsus.com](mailto:Sandra.Fredrick@et.eurofinsus.com)  
(920)261-1660



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# Case Narrative

Client: Stantec Consulting Corporation  
Project: Chilton Plating - 193709334

Job ID: 500-248044-1

**Job ID: 500-248044-1**

**Eurofins Chicago**

## Job Narrative 500-248044-1

### Receipt

The samples were received on 3/26/2024 9:30 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 1.1° C.

### LCMS

Method 537 (modified): The "I" qualifier means the transition mass ratio for the indicated analyte was outside the established ratio limits. The qualitative identification of the analyte has some degree of uncertainty. However, analyst judgment was used to positively identify the analyte: SMW01 (500-248044-6) and CPMW04A (500-248044-10).

Method 537 (modified): The continuing calibration verification internal standard (CCVIS) associated with batch 320-751259 recovered above the upper control limit for 4,8-Dioxa-3H-perfluorononanoic acid (ADONA). The samples associated with this CCV were non-detects for the affected analyte; therefore, the data have been reported. The associated samples are impacted: SMW-5 (500-248044-2), CPPZ105 (500-248044-3), CPMW03 (500-248044-5) and (CCVIS 320-751259/6).

Method 537 (modified): Results for samples SMW-5 (500-248044-2), CPMW03 (500-248044-5), SMW01 (500-248044-6), CPMW02 (500-248044-7) and CPMW04A (500-248044-10) were reported from the analysis of a diluted extract due to high concentration of the target analyte in the analysis of the undiluted extract. The dilution factor was applied to the labeled internal standard area counts and these area counts were within acceptance limits.

Method 537 (modified): The "I" qualifier means the transition mass ratio for the indicated analyte was outside the established ratio limits. The qualitative identification of the analyte has some degree of uncertainty. However, analyst judgment was used to positively identify the analyte: SMW-5 (500-248044-2).

Method 537 (modified): The continuing calibration verification (CCV) standard associated with batch 320-751550 failed to meet acceptance limits for Perfluoro-n-octadecanoic acid (PFODA). This analyte is not a state regulated analyte; therefore, the data have been reported.

Method 537 (modified): The continuing calibration verification (CCVIS) associated with batch 320-751518 failed to meet acceptance limits for Perfluoro-n-octadecanoic acid (PFODA). This analyte is not a state regulated analyte; therefore, the data have been reported.

Method 537 (modified): The "I" qualifier means the transition mass ratio for the indicated analyte was outside the established ratio limits. The qualitative identification of the analyte has some degree of uncertainty. However, analyst judgment was used to positively identify the analyte: CPPZ104 (500-248044-13).

Method 537 (modified): The low level laboratory control sample (LLCS) for preparation batch 320-751053 and analytical batch 320-751550 recovered outside control limits for the following analyte: Perfluorooctanoic acid (PFOA). This analyte was biased high in the LLCS and were not detected in the associated samples; therefore, the data have been reported.

Method 537 (modified): Results for sample DUP-1 (500-248044-16) were reported from the analysis of a diluted extract due to high concentration of the target analyte in the analysis of the undiluted extract. The dilution factor was applied to the labeled internal standard area counts and these area counts were within acceptance limits.

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

### Organic Prep

Method 3535: The following sample in preparation batch 320-750230 was yellow in color prior to extraction. SPZ-1 (500-248044-9)

Method 3535: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with preparation batch 320-750230.

Method 3535: The following samples in preparation batch 320-751053 were observed to have sediment present in the bottle prior to extraction. CPPZ104 (500-248044-13) and GSPZ103 (500-248044-14)

Method 3535: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with preparation batch 320-751053.

Method 3535: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with preparation batch 320-752056.

Eurofins Chicago

# Case Narrative

Client: Stantec Consulting Corporation  
Project: Chilton Plating - 193709334

Job ID: 500-248044-1

**Job ID: 500-248044-1 (Continued)**

**Eurofins Chicago**

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

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# Detection Summary

Client: Stantec Consulting Corporation  
 Project/Site: Chilton Plating - 193709334

Job ID: 500-248044-1

## Client Sample ID: SMW-3

## Lab Sample ID: 500-248044-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorohexanesulfonic acid (PFHxS)	0.66	J	1.8	0.52	ng/L	1		537 (modified)	Total/NA
Perfluorooctanesulfonic acid (PFOS)	1.3	J	1.8	0.49	ng/L	1		537 (modified)	Total/NA

## Client Sample ID: SMW-5

## Lab Sample ID: 500-248044-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanoic acid (PFBA)	18		4.7	2.3	ng/L	1		537 (modified)	Total/NA
Perfluoropentanoic acid (PFPeA)	47		1.9	0.46	ng/L	1		537 (modified)	Total/NA
Perfluorohexanoic acid (PFHxA)	27	I	1.9	0.54	ng/L	1		537 (modified)	Total/NA
Perfluoroheptanoic acid (PFHpA)	15		1.9	0.23	ng/L	1		537 (modified)	Total/NA
Perfluorooctanoic acid (PFOA)	15		1.9	0.80	ng/L	1		537 (modified)	Total/NA
Perfluorononanoic acid (PFNA)	0.88	J	1.9	0.25	ng/L	1		537 (modified)	Total/NA
Perfluorodecanoic acid (PFDA)	0.30	J	1.9	0.29	ng/L	1		537 (modified)	Total/NA
Perfluorobutanesulfonic acid (PFBS)	11		1.9	0.19	ng/L	1		537 (modified)	Total/NA
Perfluoropentanesulfonic acid (PFPeS)	3.5		1.9	0.28	ng/L	1		537 (modified)	Total/NA
Perfluorohexanesulfonic acid (PFHxS)	27		1.9	0.54	ng/L	1		537 (modified)	Total/NA
Perfluoroheptanesulfonic acid (PFHpS)	16		1.9	0.18	ng/L	1		537 (modified)	Total/NA
Perfluorooctanesulfonic acid (PFOS) - DL	1900		19	5.1	ng/L	10		537 (modified)	Total/NA
6:2 FTS - RA	5.7		4.7	2.3	ng/L	1		537 (modified)	Total/NA

## Client Sample ID: CPPZ105

## Lab Sample ID: 500-248044-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanesulfonic acid (PFBS)	0.57	J	1.8	0.18	ng/L	1		537 (modified)	Total/NA
Perfluorohexanesulfonic acid (PFHxS)	0.54	J	1.8	0.52	ng/L	1		537 (modified)	Total/NA
Perfluorooctanesulfonic acid (PFOS)	0.71	J	1.8	0.50	ng/L	1		537 (modified)	Total/NA

## Client Sample ID: SMW-6

## Lab Sample ID: 500-248044-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorohexanesulfonic acid (PFHxS)	1.4	J	2.0	0.56	ng/L	1		537 (modified)	Total/NA
Perfluorooctanesulfonic acid (PFOS)	1.6	J	2.0	0.53	ng/L	1		537 (modified)	Total/NA

## Client Sample ID: CPMW03

## Lab Sample ID: 500-248044-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanoic acid (PFBA)	29		4.6	2.2	ng/L	1		537 (modified)	Total/NA
Perfluoropentanoic acid (PFPeA)	98		1.9	0.45	ng/L	1		537 (modified)	Total/NA
Perfluorohexanoic acid (PFHxA)	56		1.9	0.54	ng/L	1		537 (modified)	Total/NA
Perfluoroheptanoic acid (PFHpA)	24		1.9	0.23	ng/L	1		537 (modified)	Total/NA
Perfluorooctanoic acid (PFOA)	25		1.9	0.79	ng/L	1		537 (modified)	Total/NA
Perfluorononanoic acid (PFNA)	0.70	J	1.9	0.25	ng/L	1		537 (modified)	Total/NA
Perfluorobutanesulfonic acid (PFBS)	22		1.9	0.19	ng/L	1		537 (modified)	Total/NA
Perfluoropentanesulfonic acid (PFPeS)	7.7		1.9	0.28	ng/L	1		537 (modified)	Total/NA
Perfluorohexanesulfonic acid (PFHxS)	53		1.9	0.53	ng/L	1		537 (modified)	Total/NA
Perfluoroheptanesulfonic acid (PFHpS)	26		1.9	0.18	ng/L	1		537 (modified)	Total/NA
Perfluorooctanesulfonic acid (PFOS) - DL	1500		19	5.0	ng/L	10		537 (modified)	Total/NA
6:2 FTS - RA	120		4.6	2.3	ng/L	1		537 (modified)	Total/NA

This Detection Summary does not include radiochemical test results.

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# Detection Summary

Client: Stantec Consulting Corporation  
Project/Site: Chilton Plating - 193709334

Job ID: 500-248044-1

## Client Sample ID: SMW01

## Lab Sample ID: 500-248044-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanoic acid (PFBA)	15		4.7	2.3	ng/L	1		537 (modified)	Total/NA
Perfluoropentanoic acid (PFPeA)	26		1.9	0.46	ng/L	1		537 (modified)	Total/NA
Perfluorohexanoic acid (PFHxA)	20		1.9	0.55	ng/L	1		537 (modified)	Total/NA
Perfluoroheptanoic acid (PFHpA)	11		1.9	0.24	ng/L	1		537 (modified)	Total/NA
Perfluorooctanoic acid (PFOA)	9.7		1.9	0.80	ng/L	1		537 (modified)	Total/NA
Perfluorononanoic acid (PFNA)	0.95	J	1.9	0.25	ng/L	1		537 (modified)	Total/NA
Perfluorodecanoic acid (PFDA)	0.38	J I	1.9	0.29	ng/L	1		537 (modified)	Total/NA
Perfluorobutanesulfonic acid (PFBS)	10		1.9	0.19	ng/L	1		537 (modified)	Total/NA
Perfluoropentanesulfonic acid (PFPeS)	4.7		1.9	0.28	ng/L	1		537 (modified)	Total/NA
Perfluorohexanesulfonic acid (PFHxS)	29		1.9	0.54	ng/L	1		537 (modified)	Total/NA
Perfluoroheptanesulfonic acid (PFHpS)	8.1		1.9	0.18	ng/L	1		537 (modified)	Total/NA
6:2 FTS	5.7		4.7	2.4	ng/L	1		537 (modified)	Total/NA
Perfluorooctanesulfonic acid (PFOS) - DL	640		9.4	2.5	ng/L	5		537 (modified)	Total/NA

## Client Sample ID: CPMW02

## Lab Sample ID: 500-248044-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanoic acid (PFBA)	21		4.6	2.2	ng/L	1		537 (modified)	Total/NA
Perfluoropentanoic acid (PFPeA)	30		1.8	0.45	ng/L	1		537 (modified)	Total/NA
Perfluorohexanoic acid (PFHxA)	25		1.8	0.53	ng/L	1		537 (modified)	Total/NA
Perfluoroheptanoic acid (PFHpA)	9.0		1.8	0.23	ng/L	1		537 (modified)	Total/NA
Perfluorooctanoic acid (PFOA)	9.1		1.8	0.78	ng/L	1		537 (modified)	Total/NA
Perfluorononanoic acid (PFNA)	0.70	J	1.8	0.25	ng/L	1		537 (modified)	Total/NA
Perfluorobutanesulfonic acid (PFBS)	12		1.8	0.18	ng/L	1		537 (modified)	Total/NA
Perfluoropentanesulfonic acid (PFPeS)	4.4		1.8	0.28	ng/L	1		537 (modified)	Total/NA
Perfluorohexanesulfonic acid (PFHxS)	24		1.8	0.52	ng/L	1		537 (modified)	Total/NA
Perfluoroheptanesulfonic acid (PFHpS)	7.0		1.8	0.17	ng/L	1		537 (modified)	Total/NA
Perfluorooctanesulfonic acid (PFOS) - DL	830		9.2	2.5	ng/L	5		537 (modified)	Total/NA

## Client Sample ID: SMW-2

## Lab Sample ID: 500-248044-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanoic acid (PFBA)	5.5		4.8	2.3	ng/L	1		537 (modified)	Total/NA
Perfluoropentanoic acid (PFPeA)	6.3		1.9	0.47	ng/L	1		537 (modified)	Total/NA
Perfluorohexanoic acid (PFHxA)	4.6		1.9	0.55	ng/L	1		537 (modified)	Total/NA
Perfluoroheptanoic acid (PFHpA)	2.1		1.9	0.24	ng/L	1		537 (modified)	Total/NA
Perfluorooctanoic acid (PFOA)	2.8		1.9	0.81	ng/L	1		537 (modified)	Total/NA
Perfluorononanoic acid (PFNA)	0.51	J	1.9	0.26	ng/L	1		537 (modified)	Total/NA
Perfluorodecanoic acid (PFDA)	0.34	J	1.9	0.30	ng/L	1		537 (modified)	Total/NA
Perfluorobutanesulfonic acid (PFBS)	6.2		1.9	0.19	ng/L	1		537 (modified)	Total/NA
Perfluoropentanesulfonic acid (PFPeS)	1.4	J	1.9	0.29	ng/L	1		537 (modified)	Total/NA
Perfluorohexanesulfonic acid (PFHxS)	7.7		1.9	0.54	ng/L	1		537 (modified)	Total/NA
Perfluoroheptanesulfonic acid (PFHpS)	2.9		1.9	0.18	ng/L	1		537 (modified)	Total/NA
Perfluorooctanesulfonic acid (PFOS)	320		1.9	0.51	ng/L	1		537 (modified)	Total/NA

This Detection Summary does not include radiochemical test results.

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# Detection Summary

Client: Stantec Consulting Corporation  
 Project/Site: Chilton Plating - 193709334

Job ID: 500-248044-1

## Client Sample ID: SPZ-1

## Lab Sample ID: 500-248044-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanesulfonic acid (PFBS)	0.83	J	1.9	0.19	ng/L	1		537 (modified)	Total/NA
Perfluorooctanesulfonic acid (PFOS)	1.5	J	1.9	0.50	ng/L	1		537 (modified)	Total/NA

## Client Sample ID: CPMW04A

## Lab Sample ID: 500-248044-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanoic acid (PFBA)	15		4.7	2.2	ng/L	1		537 (modified)	Total/NA
Perfluoropentanoic acid (PFPeA)	30		1.9	0.46	ng/L	1		537 (modified)	Total/NA
Perfluorohexanoic acid (PFHxA)	24		1.9	0.54	ng/L	1		537 (modified)	Total/NA
Perfluoroheptanoic acid (PFHpA)	15		1.9	0.23	ng/L	1		537 (modified)	Total/NA
Perfluorooctanoic acid (PFOA)	11		1.9	0.79	ng/L	1		537 (modified)	Total/NA
Perfluorononanoic acid (PFNA)	1.5	J	1.9	0.25	ng/L	1		537 (modified)	Total/NA
Perfluorodecanoic acid (PFDA)	0.52	J I	1.9	0.29	ng/L	1		537 (modified)	Total/NA
Perfluorobutanesulfonic acid (PFBS)	5.4		1.9	0.19	ng/L	1		537 (modified)	Total/NA
Perfluoropentanesulfonic acid (PFPeS)	4.6		1.9	0.28	ng/L	1		537 (modified)	Total/NA
Perfluorohexanesulfonic acid (PFHxS)	34		1.9	0.53	ng/L	1		537 (modified)	Total/NA
Perfluoroheptanesulfonic acid (PFHpS)	17		1.9	0.18	ng/L	1		537 (modified)	Total/NA
6:2 FTS	2.6	J	4.7	2.3	ng/L	1		537 (modified)	Total/NA
Perfluorooctanesulfonic acid (PFOS) - DL	1800		19	5.0	ng/L	10		537 (modified)	Total/NA

## Client Sample ID: GSMW103

## Lab Sample ID: 500-248044-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanesulfonic acid (PFBS)	0.72	J	2.0	0.20	ng/L	1		537 (modified)	Total/NA
Perfluorohexanesulfonic acid (PFHxS)	1.1	J	2.0	0.56	ng/L	1		537 (modified)	Total/NA
Perfluorooctanesulfonic acid (PFOS)	5.4		2.0	0.53	ng/L	1		537 (modified)	Total/NA

## Client Sample ID: SMW-7

## Lab Sample ID: 500-248044-12

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanoic acid (PFBA)	3.4	J	4.7	2.2	ng/L	1		537 (modified)	Total/NA
Perfluoropentanoic acid (PFPeA)	3.3		1.9	0.46	ng/L	1		537 (modified)	Total/NA
Perfluorohexanoic acid (PFHxA)	3.0		1.9	0.54	ng/L	1		537 (modified)	Total/NA
Perfluoroheptanoic acid (PFHpA)	2.6		1.9	0.23	ng/L	1		537 (modified)	Total/NA
Perfluorooctanoic acid (PFOA)	2.3		1.9	0.80	ng/L	1		537 (modified)	Total/NA
Perfluorobutanesulfonic acid (PFBS)	2.0		1.9	0.19	ng/L	1		537 (modified)	Total/NA
Perfluoropentanesulfonic acid (PFPeS)	0.69	J	1.9	0.28	ng/L	1		537 (modified)	Total/NA
Perfluorohexanesulfonic acid (PFHxS)	5.2		1.9	0.53	ng/L	1		537 (modified)	Total/NA
Perfluoroheptanesulfonic acid (PFHpS)	1.0	J	1.9	0.18	ng/L	1		537 (modified)	Total/NA
Perfluorooctanesulfonic acid (PFOS)	45		1.9	0.51	ng/L	1		537 (modified)	Total/NA

## Client Sample ID: CPPZ104

## Lab Sample ID: 500-248044-13

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanesulfonic acid (PFBS)	0.80	J I	2.0	0.20	ng/L	1		537 (modified)	Total/NA
Perfluorohexanesulfonic acid (PFHxS)	0.85	J	2.0	0.56	ng/L	1		537 (modified)	Total/NA
Perfluorooctanesulfonic acid (PFOS)	5.2		2.0	0.53	ng/L	1		537 (modified)	Total/NA

This Detection Summary does not include radiochemical test results.

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# Detection Summary

Client: Stantec Consulting Corporation  
 Project/Site: Chilton Plating - 193709334

Job ID: 500-248044-1

## Client Sample ID: GSPZ103

Lab Sample ID: 500-248044-14

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanesulfonic acid (PFBS)	0.45	J	1.9	0.19	ng/L	1		537 (modified)	Total/NA

## Client Sample ID: EB1

Lab Sample ID: 500-248044-15

No Detections.

## Client Sample ID: DUP-1

Lab Sample ID: 500-248044-16

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanoic acid (PFBA)	18		4.8	2.3	ng/L	1		537 (modified)	Total/NA
Perfluoropentanoic acid (PFPeA)	48		1.9	0.47	ng/L	1		537 (modified)	Total/NA
Perfluorohexanoic acid (PFHxA)	25		1.9	0.56	ng/L	1		537 (modified)	Total/NA
Perfluoroheptanoic acid (PFHpA)	13		1.9	0.24	ng/L	1		537 (modified)	Total/NA
Perfluorononanoic acid (PFNA)	0.67	J	1.9	0.26	ng/L	1		537 (modified)	Total/NA
Perfluorobutanesulfonic acid (PFBS)	9.1		1.9	0.19	ng/L	1		537 (modified)	Total/NA
Perfluoropentanesulfonic acid (PFPeS)	3.5		1.9	0.29	ng/L	1		537 (modified)	Total/NA
Perfluorohexanesulfonic acid (PFHxS)	25		1.9	0.55	ng/L	1		537 (modified)	Total/NA
Perfluoroheptanesulfonic acid (PFHpS)	17		1.9	0.18	ng/L	1		537 (modified)	Total/NA
6:2 FTS	4.1	J	4.8	2.4	ng/L	1		537 (modified)	Total/NA
Perfluorooctanesulfonic acid (PFOS) - DL	2400		19	5.2	ng/L	10		537 (modified)	Total/NA
Perfluorooctanoic acid (PFOA) - RE	13		1.9	0.83	ng/L	1		537 (modified)	Total/NA

This Detection Summary does not include radiochemical test results.

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# Method Summary

Client: Stantec Consulting Corporation  
Project/Site: Chilton Plating - 193709334

Job ID: 500-248044-1

Method	Method Description	Protocol	Laboratory
537 (modified)	Fluorinated Alkyl Substances	EPA	EET SAC
3535	Solid-Phase Extraction (SPE)	SW846	EET SAC

**Protocol References:**

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

**Laboratory References:**

EET SAC = Eurofins Sacramento, 880 Riverside Parkway, West Sacramento, CA 95605, TEL (916)373-5600



# Sample Summary

Client: Stantec Consulting Corporation  
Project/Site: Chilton Plating - 193709334

Job ID: 500-248044-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
500-248044-1	SMW-3	Water	03/21/24 18:15	03/26/24 09:30
500-248044-2	SMW-5	Water	03/21/24 15:30	03/26/24 09:30
500-248044-3	CPPZ105	Water	03/21/24 11:35	03/26/24 09:30
500-248044-4	SMW-6	Water	03/21/24 13:00	03/26/24 09:30
500-248044-5	CPMW03	Water	03/21/24 14:25	03/26/24 09:30
500-248044-6	SMW01	Water	03/21/24 13:40	03/26/24 09:30
500-248044-7	CPMW02	Water	03/21/24 15:55	03/26/24 09:30
500-248044-8	SMW-2	Water	03/21/24 16:00	03/26/24 09:30
500-248044-9	SPZ-1	Water	03/21/24 15:15	03/26/24 09:30
500-248044-10	CPMW04A	Water	03/21/24 11:45	03/26/24 09:30
500-248044-11	GSMW103	Water	03/21/24 09:43	03/26/24 09:30
500-248044-12	SMW-7	Water	03/21/24 17:15	03/26/24 09:30
500-248044-13	CPPZ104	Water	03/21/24 12:30	03/26/24 09:30
500-248044-14	GSPZ103	Water	03/21/24 09:55	03/26/24 09:30
500-248044-15	EB1	Water	03/21/24 11:50	03/26/24 09:30
500-248044-16	DUP-1	Water	03/21/24 15:31	03/26/24 09:30





# Client Sample Results

Client: Stantec Consulting Corporation  
 Project/Site: Chilton Plating - 193709334

Job ID: 500-248044-1

**Client Sample ID: SMW-3**

**Lab Sample ID: 500-248044-1**

**Date Collected: 03/21/24 18:15**

**Matrix: Water**

**Date Received: 03/26/24 09:30**

**Method: EPA 537 (modified) - Fluorinated Alkyl Substances**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	<2.2		4.6	2.2	ng/L		03/27/24 05:06	03/28/24 21:00	1
Perfluoropentanoic acid (PFPeA)	<0.45		1.8	0.45	ng/L		03/27/24 05:06	03/28/24 21:00	1
Perfluorohexanoic acid (PFHxA)	<0.53		1.8	0.53	ng/L		03/27/24 05:06	03/28/24 21:00	1
Perfluoroheptanoic acid (PFHpA)	<0.23		1.8	0.23	ng/L		03/27/24 05:06	03/28/24 21:00	1
Perfluorooctanoic acid (PFOA)	<0.78		1.8	0.78	ng/L		03/27/24 05:06	03/28/24 21:00	1
Perfluorononanoic acid (PFNA)	<0.25		1.8	0.25	ng/L		03/27/24 05:06	03/28/24 21:00	1
Perfluorodecanoic acid (PFDA)	<0.28		1.8	0.28	ng/L		03/27/24 05:06	03/28/24 21:00	1
Perfluoroundecanoic acid (PFUnA)	<1.0		1.8	1.0	ng/L		03/27/24 05:06	03/28/24 21:00	1
Perfluorododecanoic acid (PFDoA)	<0.50		1.8	0.50	ng/L		03/27/24 05:06	03/28/24 21:00	1
Perfluorotridecanoic acid (PFTriA)	<1.2		1.8	1.2	ng/L		03/27/24 05:06	03/28/24 21:00	1
Perfluorotetradecanoic acid (PFTeA)	<0.67		1.8	0.67	ng/L		03/27/24 05:06	03/28/24 21:00	1
Perfluoro-n-hexadecanoic acid (PFHxDA)	<0.82		1.8	0.82	ng/L		03/27/24 05:06	03/28/24 21:00	1
Perfluoro-n-octadecanoic acid (PFODA)	<0.86		1.8	0.86	ng/L		03/27/24 05:06	03/28/24 21:00	1
Perfluorobutanesulfonic acid (PFBS)	<0.18		1.8	0.18	ng/L		03/27/24 05:06	03/28/24 21:00	1
Perfluoropentanesulfonic acid (PFPeS)	<0.27		1.8	0.27	ng/L		03/27/24 05:06	03/28/24 21:00	1
<b>Perfluorohexanesulfonic acid (PFHxS)</b>	<b>0.66</b>	<b>J</b>	1.8	0.52	ng/L		03/27/24 05:06	03/28/24 21:00	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.17		1.8	0.17	ng/L		03/27/24 05:06	03/28/24 21:00	1
<b>Perfluorooctanesulfonic acid (PFOS)</b>	<b>1.3</b>	<b>J</b>	1.8	0.49	ng/L		03/27/24 05:06	03/28/24 21:00	1
Perfluorononanesulfonic acid (PFNS)	<0.34		1.8	0.34	ng/L		03/27/24 05:06	03/28/24 21:00	1
Perfluorodecanesulfonic acid (PFDS)	<0.29		1.8	0.29	ng/L		03/27/24 05:06	03/28/24 21:00	1
Perfluorododecanesulfonic acid (PFDoS)	<0.89		1.8	0.89	ng/L		03/27/24 05:06	03/28/24 21:00	1
Perfluorooctanesulfonamide (FOSA)	<0.90		1.8	0.90	ng/L		03/27/24 05:06	03/28/24 21:00	1
NEtFOSA	<0.80		1.8	0.80	ng/L		03/27/24 05:06	03/28/24 21:00	1
NMeFOSA	<0.39		1.8	0.39	ng/L		03/27/24 05:06	03/28/24 21:00	1
NMeFOSAA	<1.1		4.6	1.1	ng/L		03/27/24 05:06	03/28/24 21:00	1
NEtFOSAA	<1.2		4.6	1.2	ng/L		03/27/24 05:06	03/28/24 21:00	1
NMeFOSE	<1.3		3.7	1.3	ng/L		03/27/24 05:06	03/28/24 21:00	1
NEtFOSE	<0.78		1.8	0.78	ng/L		03/27/24 05:06	03/28/24 21:00	1
4:2 FTS	<0.22		1.8	0.22	ng/L		03/27/24 05:06	03/28/24 21:00	1
6:2 FTS	<2.3		4.6	2.3	ng/L		03/27/24 05:06	03/28/24 21:00	1
8:2 FTS	<0.42		1.8	0.42	ng/L		03/27/24 05:06	03/28/24 21:00	1
10:2 FTS	<0.61		1.8	0.61	ng/L		03/27/24 05:06	03/28/24 21:00	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.37		1.8	0.37	ng/L		03/27/24 05:06	03/28/24 21:00	1
HFPO-DA (GenX)	<1.4		3.7	1.4	ng/L		03/27/24 05:06	03/28/24 21:00	1
F-53B Major	<0.22		1.8	0.22	ng/L		03/27/24 05:06	03/28/24 21:00	1
F-53B Minor	<0.29		1.8	0.29	ng/L		03/27/24 05:06	03/28/24 21:00	1
<i>Isotope Dilution</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>				<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
13C4 PFBA	60		25 - 150				03/27/24 05:06	03/28/24 21:00	1
13C5 PFPeA	71		25 - 150				03/27/24 05:06	03/28/24 21:00	1
13C2 PFHxA	74		25 - 150				03/27/24 05:06	03/28/24 21:00	1
13C4 PFHpA	74		25 - 150				03/27/24 05:06	03/28/24 21:00	1
13C4 PFOA	78		25 - 150				03/27/24 05:06	03/28/24 21:00	1
13C5 PFNA	74		25 - 150				03/27/24 05:06	03/28/24 21:00	1

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# Client Sample Results

Client: Stantec Consulting Corporation  
 Project/Site: Chilton Plating - 193709334

Job ID: 500-248044-1

**Client Sample ID: SMW-3**

**Lab Sample ID: 500-248044-1**

**Date Collected: 03/21/24 18:15**

**Matrix: Water**

**Date Received: 03/26/24 09:30**

**Method: EPA 537 (modified) - Fluorinated Alkyl Substances (Continued)**

<i>Isotope Dilution</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
13C2 PFDA	74		25 - 150	03/27/24 05:06	03/28/24 21:00	1
13C2 PFUnA	68		25 - 150	03/27/24 05:06	03/28/24 21:00	1
13C2 PFDoA	66		25 - 150	03/27/24 05:06	03/28/24 21:00	1
13C2 PFTeDA	62		25 - 150	03/27/24 05:06	03/28/24 21:00	1
13C2 PFHxDA	43		25 - 150	03/27/24 05:06	03/28/24 21:00	1
13C3 PFBS	72		25 - 150	03/27/24 05:06	03/28/24 21:00	1
18O2 PFHxS	67		25 - 150	03/27/24 05:06	03/28/24 21:00	1
13C4 PFOS	66		25 - 150	03/27/24 05:06	03/28/24 21:00	1
13C8 FOSA	71		10 - 150	03/27/24 05:06	03/28/24 21:00	1
d3-NMeFOSAA	73		25 - 150	03/27/24 05:06	03/28/24 21:00	1
d5-NEtFOSAA	74		25 - 150	03/27/24 05:06	03/28/24 21:00	1
d-N-MeFOSA-M	64		10 - 150	03/27/24 05:06	03/28/24 21:00	1
d-N-EtFOSA-M	62		10 - 150	03/27/24 05:06	03/28/24 21:00	1
d7-N-MeFOSE-M	64		10 - 150	03/27/24 05:06	03/28/24 21:00	1
d9-N-EtFOSE-M	65		10 - 150	03/27/24 05:06	03/28/24 21:00	1
M2-4:2 FTS	62		25 - 150	03/27/24 05:06	03/28/24 21:00	1
M2-6:2 FTS	72		25 - 150	03/27/24 05:06	03/28/24 21:00	1
M2-8:2 FTS	79		25 - 150	03/27/24 05:06	03/28/24 21:00	1
13C3 HFPO-DA	68		25 - 150	03/27/24 05:06	03/28/24 21:00	1
13C2 10:2 FTS	71		25 - 150	03/27/24 05:06	03/28/24 21:00	1

# Client Sample Results

Client: Stantec Consulting Corporation  
 Project/Site: Chilton Plating - 193709334

Job ID: 500-248044-1

**Client Sample ID: SMW-5**

**Lab Sample ID: 500-248044-2**

Date Collected: 03/21/24 15:30

Matrix: Water

Date Received: 03/26/24 09:30

**Method: EPA 537 (modified) - Fluorinated Alkyl Substances**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	18		4.7	2.3	ng/L		03/27/24 05:06	03/30/24 06:46	1
Perfluoropentanoic acid (PFPeA)	47		1.9	0.46	ng/L		03/27/24 05:06	03/30/24 06:46	1
Perfluorohexanoic acid (PFHxA)	27	I	1.9	0.54	ng/L		03/27/24 05:06	03/30/24 06:46	1
Perfluoroheptanoic acid (PFHpA)	15		1.9	0.23	ng/L		03/27/24 05:06	03/30/24 06:46	1
Perfluorooctanoic acid (PFOA)	15		1.9	0.80	ng/L		03/27/24 05:06	03/30/24 06:46	1
Perfluorononanoic acid (PFNA)	0.88	J	1.9	0.25	ng/L		03/27/24 05:06	03/30/24 06:46	1
Perfluorodecanoic acid (PFDA)	0.30	J	1.9	0.29	ng/L		03/27/24 05:06	03/30/24 06:46	1
Perfluoroundecanoic acid (PFUnA)	<1.0		1.9	1.0	ng/L		03/27/24 05:06	03/30/24 06:46	1
Perfluorododecanoic acid (PFDoA)	<0.52		1.9	0.52	ng/L		03/27/24 05:06	03/30/24 06:46	1
Perfluorotridecanoic acid (PFTriA)	<1.2		1.9	1.2	ng/L		03/27/24 05:06	03/30/24 06:46	1
Perfluorotetradecanoic acid (PFTeA)	<0.69		1.9	0.69	ng/L		03/27/24 05:06	03/30/24 06:46	1
Perfluoro-n-hexadecanoic acid (PFHxDA)	<0.84		1.9	0.84	ng/L		03/27/24 05:06	03/30/24 06:46	1
Perfluoro-n-octadecanoic acid (PFODA)	<0.88		1.9	0.88	ng/L		03/27/24 05:06	03/30/24 06:46	1
Perfluorobutanesulfonic acid (PFBS)	11		1.9	0.19	ng/L		03/27/24 05:06	03/30/24 06:46	1
Perfluoropentanesulfonic acid (PFPeS)	3.5		1.9	0.28	ng/L		03/27/24 05:06	03/30/24 06:46	1
Perfluorohexanesulfonic acid (PFHxS)	27		1.9	0.54	ng/L		03/27/24 05:06	03/30/24 06:46	1
Perfluoroheptanesulfonic acid (PFHpS)	16		1.9	0.18	ng/L		03/27/24 05:06	03/30/24 06:46	1
Perfluorononanesulfonic acid (PFNS)	<0.35		1.9	0.35	ng/L		03/27/24 05:06	03/30/24 06:46	1
Perfluorodecanesulfonic acid (PFDS)	<0.30		1.9	0.30	ng/L		03/27/24 05:06	03/30/24 06:46	1
Perfluorododecanesulfonic acid (PFDoS)	<0.91		1.9	0.91	ng/L		03/27/24 05:06	03/30/24 06:46	1
Perfluorooctanesulfonamide (FOSA)	<0.92		1.9	0.92	ng/L		03/27/24 05:06	03/30/24 06:46	1
NEtFOSA	<0.82		1.9	0.82	ng/L		03/27/24 05:06	03/30/24 06:46	1
NMeFOSA	<0.40		1.9	0.40	ng/L		03/27/24 05:06	03/30/24 06:46	1
NMeFOSAA	<1.1		4.7	1.1	ng/L		03/27/24 05:06	03/30/24 06:46	1
NEtFOSAA	<1.2		4.7	1.2	ng/L		03/27/24 05:06	03/30/24 06:46	1
NMeFOSE	<1.3		3.8	1.3	ng/L		03/27/24 05:06	03/30/24 06:46	1
NEtFOSE	<0.80		1.9	0.80	ng/L		03/27/24 05:06	03/30/24 06:46	1
4:2 FTS	<0.23		1.9	0.23	ng/L		03/27/24 05:06	03/30/24 06:46	1
8:2 FTS	<0.43		1.9	0.43	ng/L		03/27/24 05:06	03/30/24 06:46	1
10:2 FTS	<0.63		1.9	0.63	ng/L		03/27/24 05:06	03/30/24 06:46	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.38		1.9	0.38	ng/L		03/27/24 05:06	03/30/24 06:46	1
HFPO-DA (GenX)	<1.4		3.8	1.4	ng/L		03/27/24 05:06	03/30/24 06:46	1
F-53B Major	<0.23		1.9	0.23	ng/L		03/27/24 05:06	03/30/24 06:46	1
F-53B Minor	<0.30		1.9	0.30	ng/L		03/27/24 05:06	03/30/24 06:46	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	75		25 - 150	03/27/24 05:06	03/30/24 06:46	1
13C5 PFPeA	89		25 - 150	03/27/24 05:06	03/30/24 06:46	1
13C2 PFHxA	92		25 - 150	03/27/24 05:06	03/30/24 06:46	1
13C4 PFHpA	88		25 - 150	03/27/24 05:06	03/30/24 06:46	1
13C4 PFOA	90		25 - 150	03/27/24 05:06	03/30/24 06:46	1
13C5 PFNA	80		25 - 150	03/27/24 05:06	03/30/24 06:46	1
13C2 PFDA	86		25 - 150	03/27/24 05:06	03/30/24 06:46	1
13C2 PFUnA	78		25 - 150	03/27/24 05:06	03/30/24 06:46	1

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# Client Sample Results

Client: Stantec Consulting Corporation  
 Project/Site: Chilton Plating - 193709334

Job ID: 500-248044-1

**Client Sample ID: SMW-5**

**Lab Sample ID: 500-248044-2**

Date Collected: 03/21/24 15:30

Matrix: Water

Date Received: 03/26/24 09:30

**Method: EPA 537 (modified) - Fluorinated Alkyl Substances (Continued)**

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C2 PFDoA	76		25 - 150	03/27/24 05:06	03/30/24 06:46	1
13C2 PFTeDA	74		25 - 150	03/27/24 05:06	03/30/24 06:46	1
13C2 PFHxDA	67		25 - 150	03/27/24 05:06	03/30/24 06:46	1
13C3 PFBS	83		25 - 150	03/27/24 05:06	03/30/24 06:46	1
18O2 PFHxS	75		25 - 150	03/27/24 05:06	03/30/24 06:46	1
13C4 PFOS	87		25 - 150	03/27/24 05:06	03/30/24 06:46	1
13C8 FOSA	78		10 - 150	03/27/24 05:06	03/30/24 06:46	1
d3-NMeFOSAA	75		25 - 150	03/27/24 05:06	03/30/24 06:46	1
d5-NEtFOSAA	78		25 - 150	03/27/24 05:06	03/30/24 06:46	1
d-N-MeFOSA-M	68		10 - 150	03/27/24 05:06	03/30/24 06:46	1
d-N-EtFOSA-M	70		10 - 150	03/27/24 05:06	03/30/24 06:46	1
d7-N-MeFOSE-M	70		10 - 150	03/27/24 05:06	03/30/24 06:46	1
d9-N-EtFOSE-M	71		10 - 150	03/27/24 05:06	03/30/24 06:46	1
M2-4:2 FTS	80		25 - 150	03/27/24 05:06	03/30/24 06:46	1
M2-8:2 FTS	84		25 - 150	03/27/24 05:06	03/30/24 06:46	1
13C3 HFPO-DA	78		25 - 150	03/27/24 05:06	03/30/24 06:46	1
13C2 10:2 FTS	73		25 - 150	03/27/24 05:06	03/30/24 06:46	1

**Method: EPA 537 (modified) - Fluorinated Alkyl Substances - DL**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorooctanesulfonic acid (PFOS)	1900		19	5.1	ng/L		03/27/24 05:06	03/30/24 06:05	10

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFOS	86		25 - 150	03/27/24 05:06	03/30/24 06:05	10

**Method: EPA 537 (modified) - Fluorinated Alkyl Substances - RA**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
6:2 FTS	5.7		4.7	2.3	ng/L		03/27/24 05:06	04/01/24 13:05	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
M2-6:2 FTS	102		25 - 150	03/27/24 05:06	04/01/24 13:05	1

# Client Sample Results

Client: Stantec Consulting Corporation  
 Project/Site: Chilton Plating - 193709334

Job ID: 500-248044-1

**Client Sample ID: CPPZ105**

**Lab Sample ID: 500-248044-3**

Date Collected: 03/21/24 11:35

Matrix: Water

Date Received: 03/26/24 09:30

**Method: EPA 537 (modified) - Fluorinated Alkyl Substances**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	<2.2		4.6	2.2	ng/L		03/27/24 05:06	03/30/24 05:25	1
Perfluoropentanoic acid (PFPeA)	<0.45		1.8	0.45	ng/L		03/27/24 05:06	03/30/24 05:25	1
Perfluorohexanoic acid (PFHxA)	<0.53		1.8	0.53	ng/L		03/27/24 05:06	03/30/24 05:25	1
Perfluoroheptanoic acid (PFHpA)	<0.23		1.8	0.23	ng/L		03/27/24 05:06	03/30/24 05:25	1
Perfluorooctanoic acid (PFOA)	<0.78		1.8	0.78	ng/L		03/27/24 05:06	03/30/24 05:25	1
Perfluorononanoic acid (PFNA)	<0.25		1.8	0.25	ng/L		03/27/24 05:06	03/30/24 05:25	1
Perfluorodecanoic acid (PFDA)	<0.29		1.8	0.29	ng/L		03/27/24 05:06	03/30/24 05:25	1
Perfluoroundecanoic acid (PFUnA)	<1.0		1.8	1.0	ng/L		03/27/24 05:06	03/30/24 05:25	1
Perfluorododecanoic acid (PFDoA)	<0.51		1.8	0.51	ng/L		03/27/24 05:06	03/30/24 05:25	1
Perfluorotridecanoic acid (PFTriA)	<1.2		1.8	1.2	ng/L		03/27/24 05:06	03/30/24 05:25	1
Perfluorotetradecanoic acid (PFTeA)	<0.67		1.8	0.67	ng/L		03/27/24 05:06	03/30/24 05:25	1
Perfluoro-n-hexadecanoic acid (PFHxDA)	<0.82		1.8	0.82	ng/L		03/27/24 05:06	03/30/24 05:25	1
Perfluoro-n-octadecanoic acid (PFODA)	<0.87		1.8	0.87	ng/L		03/27/24 05:06	03/30/24 05:25	1
<b>Perfluorobutanesulfonic acid (PFBS)</b>	<b>0.57</b>	<b>J</b>	1.8	0.18	ng/L		03/27/24 05:06	03/30/24 05:25	1
Perfluoropentanesulfonic acid (PFPeS)	<0.28		1.8	0.28	ng/L		03/27/24 05:06	03/30/24 05:25	1
<b>Perfluorohexanesulfonic acid (PFHxS)</b>	<b>0.54</b>	<b>J</b>	1.8	0.52	ng/L		03/27/24 05:06	03/30/24 05:25	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.17		1.8	0.17	ng/L		03/27/24 05:06	03/30/24 05:25	1
<b>Perfluorooctanesulfonic acid (PFOS)</b>	<b>0.71</b>	<b>J</b>	1.8	0.50	ng/L		03/27/24 05:06	03/30/24 05:25	1
Perfluorononanesulfonic acid (PFNS)	<0.34		1.8	0.34	ng/L		03/27/24 05:06	03/30/24 05:25	1
Perfluorodecanesulfonic acid (PFDS)	<0.29		1.8	0.29	ng/L		03/27/24 05:06	03/30/24 05:25	1
Perfluorododecanesulfonic acid (PFDoS)	<0.89		1.8	0.89	ng/L		03/27/24 05:06	03/30/24 05:25	1
Perfluorooctanesulfonamide (FOSA)	<0.90		1.8	0.90	ng/L		03/27/24 05:06	03/30/24 05:25	1
NEtFOSA	<0.80		1.8	0.80	ng/L		03/27/24 05:06	03/30/24 05:25	1
NMeFOSA	<0.40		1.8	0.40	ng/L		03/27/24 05:06	03/30/24 05:25	1
NMeFOSAA	<1.1		4.6	1.1	ng/L		03/27/24 05:06	03/30/24 05:25	1
NEtFOSAA	<1.2		4.6	1.2	ng/L		03/27/24 05:06	03/30/24 05:25	1
NMeFOSE	<1.3		3.7	1.3	ng/L		03/27/24 05:06	03/30/24 05:25	1
NEtFOSE	<0.78		1.8	0.78	ng/L		03/27/24 05:06	03/30/24 05:25	1
4:2 FTS	<0.22		1.8	0.22	ng/L		03/27/24 05:06	03/30/24 05:25	1
6:2 FTS	<2.3		4.6	2.3	ng/L		03/27/24 05:06	03/30/24 05:25	1
8:2 FTS	<0.42		1.8	0.42	ng/L		03/27/24 05:06	03/30/24 05:25	1
10:2 FTS	<0.62		1.8	0.62	ng/L		03/27/24 05:06	03/30/24 05:25	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.37		1.8	0.37	ng/L		03/27/24 05:06	03/30/24 05:25	1
HFPO-DA (GenX)	<1.4		3.7	1.4	ng/L		03/27/24 05:06	03/30/24 05:25	1
F-53B Major	<0.22		1.8	0.22	ng/L		03/27/24 05:06	03/30/24 05:25	1
F-53B Minor	<0.29		1.8	0.29	ng/L		03/27/24 05:06	03/30/24 05:25	1
<b>Isotope Dilution</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>				<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
13C4 PFBA	78		25 - 150				03/27/24 05:06	03/30/24 05:25	1
13C5 PFPeA	79		25 - 150				03/27/24 05:06	03/30/24 05:25	1
13C2 PFHxA	79		25 - 150				03/27/24 05:06	03/30/24 05:25	1
13C4 PFHpA	81		25 - 150				03/27/24 05:06	03/30/24 05:25	1
13C4 PFOA	87		25 - 150				03/27/24 05:06	03/30/24 05:25	1

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# Client Sample Results

Client: Stantec Consulting Corporation  
 Project/Site: Chilton Plating - 193709334

Job ID: 500-248044-1

**Client Sample ID: CPPZ105**

**Lab Sample ID: 500-248044-3**

**Date Collected: 03/21/24 11:35**

**Matrix: Water**

**Date Received: 03/26/24 09:30**

**Method: EPA 537 (modified) - Fluorinated Alkyl Substances (Continued)**

<i>Isotope Dilution</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
13C5 PFNA	83		25 - 150	03/27/24 05:06	03/30/24 05:25	1
13C2 PFDA	80		25 - 150	03/27/24 05:06	03/30/24 05:25	1
13C2 PFUnA	80		25 - 150	03/27/24 05:06	03/30/24 05:25	1
13C2 PFDoA	74		25 - 150	03/27/24 05:06	03/30/24 05:25	1
13C2 PFTeDA	71		25 - 150	03/27/24 05:06	03/30/24 05:25	1
13C2 PFHxDA	68		25 - 150	03/27/24 05:06	03/30/24 05:25	1
13C3 PFBS	74		25 - 150	03/27/24 05:06	03/30/24 05:25	1
18O2 PFHxS	71		25 - 150	03/27/24 05:06	03/30/24 05:25	1
13C4 PFOS	72		25 - 150	03/27/24 05:06	03/30/24 05:25	1
13C8 FOSA	81		10 - 150	03/27/24 05:06	03/30/24 05:25	1
d3-NMeFOSAA	73		25 - 150	03/27/24 05:06	03/30/24 05:25	1
d5-NEtFOSAA	75		25 - 150	03/27/24 05:06	03/30/24 05:25	1
d-N-MeFOSA-M	66		10 - 150	03/27/24 05:06	03/30/24 05:25	1
d-N-EtFOSA-M	67		10 - 150	03/27/24 05:06	03/30/24 05:25	1
d7-N-MeFOSE-M	68		10 - 150	03/27/24 05:06	03/30/24 05:25	1
d9-N-EtFOSE-M	70		10 - 150	03/27/24 05:06	03/30/24 05:25	1
M2-4:2 FTS	74		25 - 150	03/27/24 05:06	03/30/24 05:25	1
M2-6:2 FTS	82		25 - 150	03/27/24 05:06	03/30/24 05:25	1
M2-8:2 FTS	91		25 - 150	03/27/24 05:06	03/30/24 05:25	1
13C3 HFPO-DA	76		25 - 150	03/27/24 05:06	03/30/24 05:25	1
13C2 10:2 FTS	80		25 - 150	03/27/24 05:06	03/30/24 05:25	1

# Client Sample Results

Client: Stantec Consulting Corporation  
 Project/Site: Chilton Plating - 193709334

Job ID: 500-248044-1

**Client Sample ID: SMW-6**

**Lab Sample ID: 500-248044-4**

**Date Collected: 03/21/24 13:00**

**Matrix: Water**

**Date Received: 03/26/24 09:30**

**Method: EPA 537 (modified) - Fluorinated Alkyl Substances**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	<2.4		4.9	2.4	ng/L		03/27/24 05:06	03/28/24 21:51	1
Perfluoropentanoic acid (PFPeA)	<0.48		2.0	0.48	ng/L		03/27/24 05:06	03/28/24 21:51	1
Perfluorohexanoic acid (PFHxA)	<0.57		2.0	0.57	ng/L		03/27/24 05:06	03/28/24 21:51	1
Perfluoroheptanoic acid (PFHpA)	<0.25		2.0	0.25	ng/L		03/27/24 05:06	03/28/24 21:51	1
Perfluorooctanoic acid (PFOA)	<0.83		2.0	0.83	ng/L		03/27/24 05:06	03/28/24 21:51	1
Perfluorononanoic acid (PFNA)	<0.27		2.0	0.27	ng/L		03/27/24 05:06	03/28/24 21:51	1
Perfluorodecanoic acid (PFDA)	<0.30		2.0	0.30	ng/L		03/27/24 05:06	03/28/24 21:51	1
Perfluoroundecanoic acid (PFUnA)	<1.1		2.0	1.1	ng/L		03/27/24 05:06	03/28/24 21:51	1
Perfluorododecanoic acid (PFDoA)	<0.54		2.0	0.54	ng/L		03/27/24 05:06	03/28/24 21:51	1
Perfluorotridecanoic acid (PFTriA)	<1.3		2.0	1.3	ng/L		03/27/24 05:06	03/28/24 21:51	1
Perfluorotetradecanoic acid (PFTeA)	<0.72		2.0	0.72	ng/L		03/27/24 05:06	03/28/24 21:51	1
Perfluoro-n-hexadecanoic acid (PFHxDA)	<0.87		2.0	0.87	ng/L		03/27/24 05:06	03/28/24 21:51	1
Perfluoro-n-octadecanoic acid (PFODA)	<0.92		2.0	0.92	ng/L		03/27/24 05:06	03/28/24 21:51	1
Perfluorobutanesulfonic acid (PFBS)	<0.20		2.0	0.20	ng/L		03/27/24 05:06	03/28/24 21:51	1
Perfluoropentanesulfonic acid (PFPeS)	<0.29		2.0	0.29	ng/L		03/27/24 05:06	03/28/24 21:51	1
<b>Perfluorohexanesulfonic acid (PFHxS)</b>	<b>1.4</b>	<b>J</b>	2.0	0.56	ng/L		03/27/24 05:06	03/28/24 21:51	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.19		2.0	0.19	ng/L		03/27/24 05:06	03/28/24 21:51	1
<b>Perfluorooctanesulfonic acid (PFOS)</b>	<b>1.6</b>	<b>J</b>	2.0	0.53	ng/L		03/27/24 05:06	03/28/24 21:51	1
Perfluorononanesulfonic acid (PFNS)	<0.36		2.0	0.36	ng/L		03/27/24 05:06	03/28/24 21:51	1
Perfluorodecanesulfonic acid (PFDS)	<0.31		2.0	0.31	ng/L		03/27/24 05:06	03/28/24 21:51	1
Perfluorododecanesulfonic acid (PFDoS)	<0.95		2.0	0.95	ng/L		03/27/24 05:06	03/28/24 21:51	1
Perfluorooctanesulfonamide (FOSA)	<0.96		2.0	0.96	ng/L		03/27/24 05:06	03/28/24 21:51	1
NEtFOSA	<0.85		2.0	0.85	ng/L		03/27/24 05:06	03/28/24 21:51	1
NMeFOSA	<0.42		2.0	0.42	ng/L		03/27/24 05:06	03/28/24 21:51	1
NMeFOSAA	<1.2		4.9	1.2	ng/L		03/27/24 05:06	03/28/24 21:51	1
NEtFOSAA	<1.3		4.9	1.3	ng/L		03/27/24 05:06	03/28/24 21:51	1
NMeFOSE	<1.4		3.9	1.4	ng/L		03/27/24 05:06	03/28/24 21:51	1
NEtFOSE	<0.83		2.0	0.83	ng/L		03/27/24 05:06	03/28/24 21:51	1
4:2 FTS	<0.24		2.0	0.24	ng/L		03/27/24 05:06	03/28/24 21:51	1
6:2 FTS	<2.5		4.9	2.5	ng/L		03/27/24 05:06	03/28/24 21:51	1
8:2 FTS	<0.45		2.0	0.45	ng/L		03/27/24 05:06	03/28/24 21:51	1
10:2 FTS	<0.66		2.0	0.66	ng/L		03/27/24 05:06	03/28/24 21:51	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.39		2.0	0.39	ng/L		03/27/24 05:06	03/28/24 21:51	1
HFPO-DA (GenX)	<1.5		3.9	1.5	ng/L		03/27/24 05:06	03/28/24 21:51	1
F-53B Major	<0.24		2.0	0.24	ng/L		03/27/24 05:06	03/28/24 21:51	1
F-53B Minor	<0.31		2.0	0.31	ng/L		03/27/24 05:06	03/28/24 21:51	1
<i>Isotope Dilution</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>				<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
13C4 PFBA	52		25 - 150				03/27/24 05:06	03/28/24 21:51	1
13C5 PFPeA	61		25 - 150				03/27/24 05:06	03/28/24 21:51	1
13C2 PFHxA	58		25 - 150				03/27/24 05:06	03/28/24 21:51	1
13C4 PFHpA	58		25 - 150				03/27/24 05:06	03/28/24 21:51	1
13C4 PFOA	65		25 - 150				03/27/24 05:06	03/28/24 21:51	1
13C5 PFNA	58		25 - 150				03/27/24 05:06	03/28/24 21:51	1

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# Client Sample Results

Client: Stantec Consulting Corporation  
 Project/Site: Chilton Plating - 193709334

Job ID: 500-248044-1

**Client Sample ID: SMW-6**  
**Date Collected: 03/21/24 13:00**  
**Date Received: 03/26/24 09:30**

**Lab Sample ID: 500-248044-4**  
**Matrix: Water**

**Method: EPA 537 (modified) - Fluorinated Alkyl Substances (Continued)**

<i>Isotope Dilution</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
13C2 PFDA	59		25 - 150	03/27/24 05:06	03/28/24 21:51	1
13C2 PFUnA	56		25 - 150	03/27/24 05:06	03/28/24 21:51	1
13C2 PFDoA	55		25 - 150	03/27/24 05:06	03/28/24 21:51	1
13C2 PFTeDA	51		25 - 150	03/27/24 05:06	03/28/24 21:51	1
13C2 PFHxDA	50		25 - 150	03/27/24 05:06	03/28/24 21:51	1
13C3 PFBS	56		25 - 150	03/27/24 05:06	03/28/24 21:51	1
18O2 PFHxS	54		25 - 150	03/27/24 05:06	03/28/24 21:51	1
13C4 PFOS	54		25 - 150	03/27/24 05:06	03/28/24 21:51	1
13C8 FOSA	58		10 - 150	03/27/24 05:06	03/28/24 21:51	1
d3-NMeFOSAA	61		25 - 150	03/27/24 05:06	03/28/24 21:51	1
d5-NEtFOSAA	63		25 - 150	03/27/24 05:06	03/28/24 21:51	1
d-N-MeFOSA-M	51		10 - 150	03/27/24 05:06	03/28/24 21:51	1
d-N-EtFOSA-M	53		10 - 150	03/27/24 05:06	03/28/24 21:51	1
d7-N-MeFOSE-M	50		10 - 150	03/27/24 05:06	03/28/24 21:51	1
d9-N-EtFOSE-M	56		10 - 150	03/27/24 05:06	03/28/24 21:51	1
M2-4:2 FTS	50		25 - 150	03/27/24 05:06	03/28/24 21:51	1
M2-6:2 FTS	62		25 - 150	03/27/24 05:06	03/28/24 21:51	1
M2-8:2 FTS	69		25 - 150	03/27/24 05:06	03/28/24 21:51	1
13C3 HFPO-DA	55		25 - 150	03/27/24 05:06	03/28/24 21:51	1
13C2 10:2 FTS	62		25 - 150	03/27/24 05:06	03/28/24 21:51	1

# Client Sample Results

Client: Stantec Consulting Corporation  
 Project/Site: Chilton Plating - 193709334

Job ID: 500-248044-1

**Client Sample ID: CPMW03**

**Lab Sample ID: 500-248044-5**

Date Collected: 03/21/24 14:25

Matrix: Water

Date Received: 03/26/24 09:30

**Method: EPA 537 (modified) - Fluorinated Alkyl Substances**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	29		4.6	2.2	ng/L		03/27/24 05:06	03/30/24 06:56	1
Perfluoropentanoic acid (PFPeA)	98		1.9	0.45	ng/L		03/27/24 05:06	03/30/24 06:56	1
Perfluorohexanoic acid (PFHxA)	56		1.9	0.54	ng/L		03/27/24 05:06	03/30/24 06:56	1
Perfluoroheptanoic acid (PFHpA)	24		1.9	0.23	ng/L		03/27/24 05:06	03/30/24 06:56	1
Perfluorooctanoic acid (PFOA)	25		1.9	0.79	ng/L		03/27/24 05:06	03/30/24 06:56	1
Perfluorononanoic acid (PFNA)	0.70	J	1.9	0.25	ng/L		03/27/24 05:06	03/30/24 06:56	1
Perfluorodecanoic acid (PFDA)	<0.29		1.9	0.29	ng/L		03/27/24 05:06	03/30/24 06:56	1
Perfluoroundecanoic acid (PFUnA)	<1.0		1.9	1.0	ng/L		03/27/24 05:06	03/30/24 06:56	1
Perfluorododecanoic acid (PFDoA)	<0.51		1.9	0.51	ng/L		03/27/24 05:06	03/30/24 06:56	1
Perfluorotridecanoic acid (PFTriA)	<1.2		1.9	1.2	ng/L		03/27/24 05:06	03/30/24 06:56	1
Perfluorotetradecanoic acid (PFTeA)	<0.68		1.9	0.68	ng/L		03/27/24 05:06	03/30/24 06:56	1
Perfluoro-n-hexadecanoic acid (PFHxDA)	<0.83		1.9	0.83	ng/L		03/27/24 05:06	03/30/24 06:56	1
Perfluoro-n-octadecanoic acid (PFODA)	<0.87		1.9	0.87	ng/L		03/27/24 05:06	03/30/24 06:56	1
Perfluorobutanesulfonic acid (PFBS)	22		1.9	0.19	ng/L		03/27/24 05:06	03/30/24 06:56	1
Perfluoropentanesulfonic acid (PFPeS)	7.7		1.9	0.28	ng/L		03/27/24 05:06	03/30/24 06:56	1
Perfluorohexanesulfonic acid (PFHxS)	53		1.9	0.53	ng/L		03/27/24 05:06	03/30/24 06:56	1
Perfluoroheptanesulfonic acid (PFHpS)	26		1.9	0.18	ng/L		03/27/24 05:06	03/30/24 06:56	1
Perfluorononanesulfonic acid (PFNS)	<0.34		1.9	0.34	ng/L		03/27/24 05:06	03/30/24 06:56	1
Perfluorodecanesulfonic acid (PFDS)	<0.30		1.9	0.30	ng/L		03/27/24 05:06	03/30/24 06:56	1
Perfluorododecanesulfonic acid (PFDoS)	<0.90		1.9	0.90	ng/L		03/27/24 05:06	03/30/24 06:56	1
Perfluorooctanesulfonamide (FOSA)	<0.91		1.9	0.91	ng/L		03/27/24 05:06	03/30/24 06:56	1
NEtFOSA	<0.81		1.9	0.81	ng/L		03/27/24 05:06	03/30/24 06:56	1
NMeFOSA	<0.40		1.9	0.40	ng/L		03/27/24 05:06	03/30/24 06:56	1
NMeFOSAA	<1.1		4.6	1.1	ng/L		03/27/24 05:06	03/30/24 06:56	1
NEtFOSAA	<1.2		4.6	1.2	ng/L		03/27/24 05:06	03/30/24 06:56	1
NMeFOSE	<1.3		3.7	1.3	ng/L		03/27/24 05:06	03/30/24 06:56	1
NEtFOSE	<0.79		1.9	0.79	ng/L		03/27/24 05:06	03/30/24 06:56	1
4:2 FTS	<0.22		1.9	0.22	ng/L		03/27/24 05:06	03/30/24 06:56	1
8:2 FTS	<0.43		1.9	0.43	ng/L		03/27/24 05:06	03/30/24 06:56	1
10:2 FTS	<0.62		1.9	0.62	ng/L		03/27/24 05:06	03/30/24 06:56	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.37		1.9	0.37	ng/L		03/27/24 05:06	03/30/24 06:56	1
HFPO-DA (GenX)	<1.4		3.7	1.4	ng/L		03/27/24 05:06	03/30/24 06:56	1
F-53B Major	<0.22		1.9	0.22	ng/L		03/27/24 05:06	03/30/24 06:56	1
F-53B Minor	<0.30		1.9	0.30	ng/L		03/27/24 05:06	03/30/24 06:56	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	63		25 - 150	03/27/24 05:06	03/30/24 06:56	1
13C5 PFPeA	85		25 - 150	03/27/24 05:06	03/30/24 06:56	1
13C2 PFHxA	86		25 - 150	03/27/24 05:06	03/30/24 06:56	1
13C4 PFHpA	87		25 - 150	03/27/24 05:06	03/30/24 06:56	1
13C4 PFOA	86		25 - 150	03/27/24 05:06	03/30/24 06:56	1
13C5 PFNA	77		25 - 150	03/27/24 05:06	03/30/24 06:56	1
13C2 PFDA	77		25 - 150	03/27/24 05:06	03/30/24 06:56	1
13C2 PFUnA	73		25 - 150	03/27/24 05:06	03/30/24 06:56	1

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# Client Sample Results

Client: Stantec Consulting Corporation  
 Project/Site: Chilton Plating - 193709334

Job ID: 500-248044-1

**Client Sample ID: CPMW03**

**Lab Sample ID: 500-248044-5**

**Date Collected: 03/21/24 14:25**

**Matrix: Water**

**Date Received: 03/26/24 09:30**

**Method: EPA 537 (modified) - Fluorinated Alkyl Substances (Continued)**

<i>Isotope Dilution</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
13C2 PFDoA	72		25 - 150	03/27/24 05:06	03/30/24 06:56	1
13C2 PFTeDA	69		25 - 150	03/27/24 05:06	03/30/24 06:56	1
13C2 PFHxDA	64		25 - 150	03/27/24 05:06	03/30/24 06:56	1
13C3 PFBS	79		25 - 150	03/27/24 05:06	03/30/24 06:56	1
18O2 PFHxS	75		25 - 150	03/27/24 05:06	03/30/24 06:56	1
13C4 PFOS	86		25 - 150	03/27/24 05:06	03/30/24 06:56	1
13C8 FOSA	71		10 - 150	03/27/24 05:06	03/30/24 06:56	1
d3-NMeFOSAA	65		25 - 150	03/27/24 05:06	03/30/24 06:56	1
d5-NEtFOSAA	72		25 - 150	03/27/24 05:06	03/30/24 06:56	1
d-N-MeFOSA-M	64		10 - 150	03/27/24 05:06	03/30/24 06:56	1
d-N-EtFOSA-M	67		10 - 150	03/27/24 05:06	03/30/24 06:56	1
d7-N-MeFOSE-M	64		10 - 150	03/27/24 05:06	03/30/24 06:56	1
d9-N-EtFOSE-M	66		10 - 150	03/27/24 05:06	03/30/24 06:56	1
M2-4:2 FTS	69		25 - 150	03/27/24 05:06	03/30/24 06:56	1
M2-8:2 FTS	79		25 - 150	03/27/24 05:06	03/30/24 06:56	1
13C3 HFPO-DA	70		25 - 150	03/27/24 05:06	03/30/24 06:56	1
13C2 10:2 FTS	66		25 - 150	03/27/24 05:06	03/30/24 06:56	1

**Method: EPA 537 (modified) - Fluorinated Alkyl Substances - DL**

<i>Analyte</i>	<i>Result</i>	<i>Qualifier</i>	<i>RL</i>	<i>MDL</i>	<i>Unit</i>	<i>D</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
<b>Perfluorooctanesulfonic acid (PFOS)</b>	<b>1500</b>		19	5.0	ng/L		03/27/24 05:06	03/30/24 06:16	10

<i>Isotope Dilution</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
13C4 PFOS	74		25 - 150	03/27/24 05:06	03/30/24 06:16	10

**Method: EPA 537 (modified) - Fluorinated Alkyl Substances - RA**

<i>Analyte</i>	<i>Result</i>	<i>Qualifier</i>	<i>RL</i>	<i>MDL</i>	<i>Unit</i>	<i>D</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
<b>6:2 FTS</b>	<b>120</b>		4.6	2.3	ng/L		03/27/24 05:06	04/01/24 13:15	1

<i>Isotope Dilution</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
M2-6:2 FTS	111		25 - 150	03/27/24 05:06	04/01/24 13:15	1



# Client Sample Results

Client: Stantec Consulting Corporation  
 Project/Site: Chilton Plating - 193709334

Job ID: 500-248044-1

**Client Sample ID: SMW01**

**Lab Sample ID: 500-248044-6**

Date Collected: 03/21/24 13:40

Matrix: Water

Date Received: 03/26/24 09:30

**Method: EPA 537 (modified) - Fluorinated Alkyl Substances**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	15		4.7	2.3	ng/L		03/27/24 05:06	03/28/24 22:11	1
Perfluoropentanoic acid (PFPeA)	26		1.9	0.46	ng/L		03/27/24 05:06	03/28/24 22:11	1
Perfluorohexanoic acid (PFHxA)	20		1.9	0.55	ng/L		03/27/24 05:06	03/28/24 22:11	1
Perfluoroheptanoic acid (PFHpA)	11		1.9	0.24	ng/L		03/27/24 05:06	03/28/24 22:11	1
Perfluorooctanoic acid (PFOA)	9.7		1.9	0.80	ng/L		03/27/24 05:06	03/28/24 22:11	1
Perfluorononanoic acid (PFNA)	0.95	J	1.9	0.25	ng/L		03/27/24 05:06	03/28/24 22:11	1
Perfluorodecanoic acid (PFDA)	0.38	J I	1.9	0.29	ng/L		03/27/24 05:06	03/28/24 22:11	1
Perfluoroundecanoic acid (PFUnA)	<1.0		1.9	1.0	ng/L		03/27/24 05:06	03/28/24 22:11	1
Perfluorododecanoic acid (PFDoA)	<0.52		1.9	0.52	ng/L		03/27/24 05:06	03/28/24 22:11	1
Perfluorotridecanoic acid (PFTriA)	<1.2		1.9	1.2	ng/L		03/27/24 05:06	03/28/24 22:11	1
Perfluorotetradecanoic acid (PFTeA)	<0.69		1.9	0.69	ng/L		03/27/24 05:06	03/28/24 22:11	1
Perfluoro-n-hexadecanoic acid (PFHxDA)	<0.84		1.9	0.84	ng/L		03/27/24 05:06	03/28/24 22:11	1
Perfluoro-n-octadecanoic acid (PFODA)	<0.89		1.9	0.89	ng/L		03/27/24 05:06	03/28/24 22:11	1
Perfluorobutanesulfonic acid (PFBS)	10		1.9	0.19	ng/L		03/27/24 05:06	03/28/24 22:11	1
Perfluoropentanesulfonic acid (PFPeS)	4.7		1.9	0.28	ng/L		03/27/24 05:06	03/28/24 22:11	1
Perfluorohexanesulfonic acid (PFHxS)	29		1.9	0.54	ng/L		03/27/24 05:06	03/28/24 22:11	1
Perfluoroheptanesulfonic acid (PFHpS)	8.1		1.9	0.18	ng/L		03/27/24 05:06	03/28/24 22:11	1
Perfluorononanesulfonic acid (PFNS)	<0.35		1.9	0.35	ng/L		03/27/24 05:06	03/28/24 22:11	1
Perfluorodecanesulfonic acid (PFDS)	<0.30		1.9	0.30	ng/L		03/27/24 05:06	03/28/24 22:11	1
Perfluorododecanesulfonic acid (PFDoS)	<0.91		1.9	0.91	ng/L		03/27/24 05:06	03/28/24 22:11	1
Perfluorooctanesulfonamide (FOSA)	<0.92		1.9	0.92	ng/L		03/27/24 05:06	03/28/24 22:11	1
NEtFOSA	<0.82		1.9	0.82	ng/L		03/27/24 05:06	03/28/24 22:11	1
NMeFOSA	<0.41		1.9	0.41	ng/L		03/27/24 05:06	03/28/24 22:11	1
NMeFOSAA	<1.1		4.7	1.1	ng/L		03/27/24 05:06	03/28/24 22:11	1
NEtFOSAA	<1.2		4.7	1.2	ng/L		03/27/24 05:06	03/28/24 22:11	1
NMeFOSE	<1.3		3.8	1.3	ng/L		03/27/24 05:06	03/28/24 22:11	1
NEtFOSE	<0.80		1.9	0.80	ng/L		03/27/24 05:06	03/28/24 22:11	1
4:2 FTS	<0.23		1.9	0.23	ng/L		03/27/24 05:06	03/28/24 22:11	1
6:2 FTS	5.7		4.7	2.4	ng/L		03/27/24 05:06	03/28/24 22:11	1
8:2 FTS	<0.43		1.9	0.43	ng/L		03/27/24 05:06	03/28/24 22:11	1
10:2 FTS	<0.63		1.9	0.63	ng/L		03/27/24 05:06	03/28/24 22:11	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.38		1.9	0.38	ng/L		03/27/24 05:06	03/28/24 22:11	1
HFPO-DA (GenX)	<1.4		3.8	1.4	ng/L		03/27/24 05:06	03/28/24 22:11	1
F-53B Major	<0.23		1.9	0.23	ng/L		03/27/24 05:06	03/28/24 22:11	1
F-53B Minor	<0.30		1.9	0.30	ng/L		03/27/24 05:06	03/28/24 22:11	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C4 PFBA	74		25 - 150				03/27/24 05:06	03/28/24 22:11	1
13C5 PFPeA	98		25 - 150				03/27/24 05:06	03/28/24 22:11	1
13C2 PFHxA	97		25 - 150				03/27/24 05:06	03/28/24 22:11	1
13C4 PFHpA	93		25 - 150				03/27/24 05:06	03/28/24 22:11	1
13C4 PFOA	101		25 - 150				03/27/24 05:06	03/28/24 22:11	1
13C5 PFNA	91		25 - 150				03/27/24 05:06	03/28/24 22:11	1
13C2 PFDA	90		25 - 150				03/27/24 05:06	03/28/24 22:11	1

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# Client Sample Results

Client: Stantec Consulting Corporation  
 Project/Site: Chilton Plating - 193709334

Job ID: 500-248044-1

**Client Sample ID: SMW01**  
**Date Collected: 03/21/24 13:40**  
**Date Received: 03/26/24 09:30**

**Lab Sample ID: 500-248044-6**  
**Matrix: Water**

**Method: EPA 537 (modified) - Fluorinated Alkyl Substances (Continued)**

<u>Isotope Dilution</u>	<u>%Recovery</u>	<u>Qualifier</u>	<u>Limits</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Dil Fac</u>
13C2 PFluA	79		25 - 150	03/27/24 05:06	03/28/24 22:11	1
13C2 PFlDoA	80		25 - 150	03/27/24 05:06	03/28/24 22:11	1
13C2 PFlTeDA	75		25 - 150	03/27/24 05:06	03/28/24 22:11	1
13C2 PFlHxDA	47		25 - 150	03/27/24 05:06	03/28/24 22:11	1
13C3 PFlBS	88		25 - 150	03/27/24 05:06	03/28/24 22:11	1
18O2 PFlHxS	88		25 - 150	03/27/24 05:06	03/28/24 22:11	1
13C4 PFlOS	101		25 - 150	03/27/24 05:06	03/28/24 22:11	1
13C8 FOSA	84		10 - 150	03/27/24 05:06	03/28/24 22:11	1
d3-NMeFOSAA	85		25 - 150	03/27/24 05:06	03/28/24 22:11	1
d5-NEtFOSAA	89		25 - 150	03/27/24 05:06	03/28/24 22:11	1
d-N-MeFOSA-M	72		10 - 150	03/27/24 05:06	03/28/24 22:11	1
d-N-EtFOSA-M	77		10 - 150	03/27/24 05:06	03/28/24 22:11	1
d7-N-MeFOSE-M	71		10 - 150	03/27/24 05:06	03/28/24 22:11	1
d9-N-EtFOSE-M	77		10 - 150	03/27/24 05:06	03/28/24 22:11	1
M2-4:2 FTS	92		25 - 150	03/27/24 05:06	03/28/24 22:11	1
M2-6:2 FTS	109		25 - 150	03/27/24 05:06	03/28/24 22:11	1
M2-8:2 FTS	104		25 - 150	03/27/24 05:06	03/28/24 22:11	1
13C3 HFPO-DA	82		25 - 150	03/27/24 05:06	03/28/24 22:11	1
13C2 10:2 FTS	86		25 - 150	03/27/24 05:06	03/28/24 22:11	1

**Method: EPA 537 (modified) - Fluorinated Alkyl Substances - DL**

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>RL</u>	<u>MDL</u>	<u>Unit</u>	<u>D</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Dil Fac</u>
<b>Perfluorooctanesulfonic acid (PFOS)</b>	<b>640</b>		9.4	2.5	ng/L		03/27/24 05:06	03/30/24 05:35	5
<u>Isotope Dilution</u>	<u>%Recovery</u>	<u>Qualifier</u>	<u>Limits</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Dil Fac</u>			
13C4 PFOS	77		25 - 150	03/27/24 05:06	03/30/24 05:35	5			

# Client Sample Results

Client: Stantec Consulting Corporation  
 Project/Site: Chilton Plating - 193709334

Job ID: 500-248044-1

**Client Sample ID: CPMW02**

**Lab Sample ID: 500-248044-7**

Date Collected: 03/21/24 15:55

Matrix: Water

Date Received: 03/26/24 09:30

**Method: EPA 537 (modified) - Fluorinated Alkyl Substances**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	21		4.6	2.2	ng/L		03/27/24 05:06	03/28/24 22:21	1
Perfluoropentanoic acid (PFPeA)	30		1.8	0.45	ng/L		03/27/24 05:06	03/28/24 22:21	1
Perfluorohexanoic acid (PFHxA)	25		1.8	0.53	ng/L		03/27/24 05:06	03/28/24 22:21	1
Perfluoroheptanoic acid (PFHpA)	9.0		1.8	0.23	ng/L		03/27/24 05:06	03/28/24 22:21	1
Perfluorooctanoic acid (PFOA)	9.1		1.8	0.78	ng/L		03/27/24 05:06	03/28/24 22:21	1
Perfluorononanoic acid (PFNA)	0.70	J	1.8	0.25	ng/L		03/27/24 05:06	03/28/24 22:21	1
Perfluorodecanoic acid (PFDA)	<0.28		1.8	0.28	ng/L		03/27/24 05:06	03/28/24 22:21	1
Perfluoroundecanoic acid (PFUnA)	<1.0		1.8	1.0	ng/L		03/27/24 05:06	03/28/24 22:21	1
Perfluorododecanoic acid (PFDoA)	<0.50		1.8	0.50	ng/L		03/27/24 05:06	03/28/24 22:21	1
Perfluorotridecanoic acid (PFTriA)	<1.2		1.8	1.2	ng/L		03/27/24 05:06	03/28/24 22:21	1
Perfluorotetradecanoic acid (PFTeA)	<0.67		1.8	0.67	ng/L		03/27/24 05:06	03/28/24 22:21	1
Perfluoro-n-hexadecanoic acid (PFHxDA)	<0.82		1.8	0.82	ng/L		03/27/24 05:06	03/28/24 22:21	1
Perfluoro-n-octadecanoic acid (PFODA)	<0.86		1.8	0.86	ng/L		03/27/24 05:06	03/28/24 22:21	1
Perfluorobutanesulfonic acid (PFBS)	12		1.8	0.18	ng/L		03/27/24 05:06	03/28/24 22:21	1
Perfluoropentanesulfonic acid (PFPeS)	4.4		1.8	0.28	ng/L		03/27/24 05:06	03/28/24 22:21	1
Perfluorohexanesulfonic acid (PFHxS)	24		1.8	0.52	ng/L		03/27/24 05:06	03/28/24 22:21	1
Perfluoroheptanesulfonic acid (PFHpS)	7.0		1.8	0.17	ng/L		03/27/24 05:06	03/28/24 22:21	1
Perfluorononanesulfonic acid (PFNS)	<0.34		1.8	0.34	ng/L		03/27/24 05:06	03/28/24 22:21	1
Perfluorodecanesulfonic acid (PFDS)	<0.29		1.8	0.29	ng/L		03/27/24 05:06	03/28/24 22:21	1
Perfluorododecanesulfonic acid (PFDoS)	<0.89		1.8	0.89	ng/L		03/27/24 05:06	03/28/24 22:21	1
Perfluorooctanesulfonamide (FOSA)	<0.90		1.8	0.90	ng/L		03/27/24 05:06	03/28/24 22:21	1
NEtFOSA	<0.80		1.8	0.80	ng/L		03/27/24 05:06	03/28/24 22:21	1
NMeFOSA	<0.39		1.8	0.39	ng/L		03/27/24 05:06	03/28/24 22:21	1
NMeFOSAA	<1.1		4.6	1.1	ng/L		03/27/24 05:06	03/28/24 22:21	1
NEtFOSAA	<1.2		4.6	1.2	ng/L		03/27/24 05:06	03/28/24 22:21	1
NMeFOSE	<1.3		3.7	1.3	ng/L		03/27/24 05:06	03/28/24 22:21	1
NEtFOSE	<0.78		1.8	0.78	ng/L		03/27/24 05:06	03/28/24 22:21	1
4:2 FTS	<0.22		1.8	0.22	ng/L		03/27/24 05:06	03/28/24 22:21	1
6:2 FTS	<2.3		4.6	2.3	ng/L		03/27/24 05:06	03/28/24 22:21	1
8:2 FTS	<0.42		1.8	0.42	ng/L		03/27/24 05:06	03/28/24 22:21	1
10:2 FTS	<0.61		1.8	0.61	ng/L		03/27/24 05:06	03/28/24 22:21	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.37		1.8	0.37	ng/L		03/27/24 05:06	03/28/24 22:21	1
HFPO-DA (GenX)	<1.4		3.7	1.4	ng/L		03/27/24 05:06	03/28/24 22:21	1
F-53B Major	<0.22		1.8	0.22	ng/L		03/27/24 05:06	03/28/24 22:21	1
F-53B Minor	<0.29		1.8	0.29	ng/L		03/27/24 05:06	03/28/24 22:21	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C4 PFBA	71		25 - 150				03/27/24 05:06	03/28/24 22:21	1
13C5 PFPeA	89		25 - 150				03/27/24 05:06	03/28/24 22:21	1
13C2 PFHxA	83		25 - 150				03/27/24 05:06	03/28/24 22:21	1
13C4 PFHpA	85		25 - 150				03/27/24 05:06	03/28/24 22:21	1
13C4 PFOA	92		25 - 150				03/27/24 05:06	03/28/24 22:21	1
13C5 PFNA	82		25 - 150				03/27/24 05:06	03/28/24 22:21	1
13C2 PFDA	82		25 - 150				03/27/24 05:06	03/28/24 22:21	1

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# Client Sample Results

Client: Stantec Consulting Corporation  
 Project/Site: Chilton Plating - 193709334

Job ID: 500-248044-1

**Client Sample ID: CPMW02**

**Lab Sample ID: 500-248044-7**

**Date Collected: 03/21/24 15:55**

**Matrix: Water**

**Date Received: 03/26/24 09:30**

**Method: EPA 537 (modified) - Fluorinated Alkyl Substances (Continued)**

<u>Isotope Dilution</u>	<u>%Recovery</u>	<u>Qualifier</u>	<u>Limits</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Dil Fac</u>
13C2 PFluA	74		25 - 150	03/27/24 05:06	03/28/24 22:21	1
13C2 PFlDoA	75		25 - 150	03/27/24 05:06	03/28/24 22:21	1
13C2 PFlTeDA	75		25 - 150	03/27/24 05:06	03/28/24 22:21	1
13C2 PFlHxDA	67		25 - 150	03/27/24 05:06	03/28/24 22:21	1
13C3 PFlBS	86		25 - 150	03/27/24 05:06	03/28/24 22:21	1
18O2 PFlHxS	84		25 - 150	03/27/24 05:06	03/28/24 22:21	1
13C4 PFlOS	94		25 - 150	03/27/24 05:06	03/28/24 22:21	1
13C8 FOSA	82		10 - 150	03/27/24 05:06	03/28/24 22:21	1
d3-NMeFOSAA	82		25 - 150	03/27/24 05:06	03/28/24 22:21	1
d5-NEtFOSAA	85		25 - 150	03/27/24 05:06	03/28/24 22:21	1
d-N-MeFOSA-M	72		10 - 150	03/27/24 05:06	03/28/24 22:21	1
d-N-EtFOSA-M	74		10 - 150	03/27/24 05:06	03/28/24 22:21	1
d7-N-MeFOSE-M	74		10 - 150	03/27/24 05:06	03/28/24 22:21	1
d9-N-EtFOSE-M	76		10 - 150	03/27/24 05:06	03/28/24 22:21	1
M2-4:2 FTS	74		25 - 150	03/27/24 05:06	03/28/24 22:21	1
M2-6:2 FTS	90		25 - 150	03/27/24 05:06	03/28/24 22:21	1
M2-8:2 FTS	102		25 - 150	03/27/24 05:06	03/28/24 22:21	1
13C3 HFPO-DA	81		25 - 150	03/27/24 05:06	03/28/24 22:21	1
13C2 10:2 FTS	89		25 - 150	03/27/24 05:06	03/28/24 22:21	1

**Method: EPA 537 (modified) - Fluorinated Alkyl Substances - DL**

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>RL</u>	<u>MDL</u>	<u>Unit</u>	<u>D</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Dil Fac</u>
<b>Perfluorooctanesulfonic acid (PFOS)</b>	<b>830</b>		9.2	2.5	ng/L		03/27/24 05:06	03/30/24 05:45	5
<u>Isotope Dilution</u>	<u>%Recovery</u>	<u>Qualifier</u>	<u>Limits</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Dil Fac</u>			
13C4 PFOS	87		25 - 150	03/27/24 05:06	03/30/24 05:45	5			

# Client Sample Results

Client: Stantec Consulting Corporation  
 Project/Site: Chilton Plating - 193709334

Job ID: 500-248044-1

**Client Sample ID: SMW-2**

**Lab Sample ID: 500-248044-8**

Date Collected: 03/21/24 16:00

Matrix: Water

Date Received: 03/26/24 09:30

**Method: EPA 537 (modified) - Fluorinated Alkyl Substances**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	5.5		4.8	2.3	ng/L		03/27/24 05:06	03/28/24 22:31	1
Perfluoropentanoic acid (PFPeA)	6.3		1.9	0.47	ng/L		03/27/24 05:06	03/28/24 22:31	1
Perfluorohexanoic acid (PFHxA)	4.6		1.9	0.55	ng/L		03/27/24 05:06	03/28/24 22:31	1
Perfluoroheptanoic acid (PFHpA)	2.1		1.9	0.24	ng/L		03/27/24 05:06	03/28/24 22:31	1
Perfluorooctanoic acid (PFOA)	2.8		1.9	0.81	ng/L		03/27/24 05:06	03/28/24 22:31	1
Perfluorononanoic acid (PFNA)	0.51	J	1.9	0.26	ng/L		03/27/24 05:06	03/28/24 22:31	1
Perfluorodecanoic acid (PFDA)	0.34	J	1.9	0.30	ng/L		03/27/24 05:06	03/28/24 22:31	1
Perfluoroundecanoic acid (PFUnA)	<1.0		1.9	1.0	ng/L		03/27/24 05:06	03/28/24 22:31	1
Perfluorododecanoic acid (PFDoA)	<0.52		1.9	0.52	ng/L		03/27/24 05:06	03/28/24 22:31	1
Perfluorotridecanoic acid (PFTriA)	<1.2		1.9	1.2	ng/L		03/27/24 05:06	03/28/24 22:31	1
Perfluorotetradecanoic acid (PFTeA)	<0.69		1.9	0.69	ng/L		03/27/24 05:06	03/28/24 22:31	1
Perfluoro-n-hexadecanoic acid (PFHxDA)	<0.85		1.9	0.85	ng/L		03/27/24 05:06	03/28/24 22:31	1
Perfluoro-n-octadecanoic acid (PFODA)	<0.89		1.9	0.89	ng/L		03/27/24 05:06	03/28/24 22:31	1
Perfluorobutanesulfonic acid (PFBS)	6.2		1.9	0.19	ng/L		03/27/24 05:06	03/28/24 22:31	1
Perfluoropentanesulfonic acid (PFPeS)	1.4	J	1.9	0.29	ng/L		03/27/24 05:06	03/28/24 22:31	1
Perfluorohexanesulfonic acid (PFHxS)	7.7		1.9	0.54	ng/L		03/27/24 05:06	03/28/24 22:31	1
Perfluoroheptanesulfonic acid (PFHpS)	2.9		1.9	0.18	ng/L		03/27/24 05:06	03/28/24 22:31	1
Perfluorooctanesulfonic acid (PFOS)	320		1.9	0.51	ng/L		03/27/24 05:06	03/28/24 22:31	1
Perfluorononanesulfonic acid (PFNS)	<0.35		1.9	0.35	ng/L		03/27/24 05:06	03/28/24 22:31	1
Perfluorodecanesulfonic acid (PFDS)	<0.30		1.9	0.30	ng/L		03/27/24 05:06	03/28/24 22:31	1
Perfluorododecanesulfonic acid (PFDoS)	<0.92		1.9	0.92	ng/L		03/27/24 05:06	03/28/24 22:31	1
Perfluorooctanesulfonamide (FOSA)	<0.93		1.9	0.93	ng/L		03/27/24 05:06	03/28/24 22:31	1
NEtFOSA	<0.83		1.9	0.83	ng/L		03/27/24 05:06	03/28/24 22:31	1
NMeFOSA	<0.41		1.9	0.41	ng/L		03/27/24 05:06	03/28/24 22:31	1
NMeFOSAA	<1.1		4.8	1.1	ng/L		03/27/24 05:06	03/28/24 22:31	1
NEtFOSAA	<1.2		4.8	1.2	ng/L		03/27/24 05:06	03/28/24 22:31	1
NMeFOSE	<1.3		3.8	1.3	ng/L		03/27/24 05:06	03/28/24 22:31	1
NEtFOSE	<0.81		1.9	0.81	ng/L		03/27/24 05:06	03/28/24 22:31	1
4:2 FTS	<0.23		1.9	0.23	ng/L		03/27/24 05:06	03/28/24 22:31	1
6:2 FTS	<2.4		4.8	2.4	ng/L		03/27/24 05:06	03/28/24 22:31	1
8:2 FTS	<0.44		1.9	0.44	ng/L		03/27/24 05:06	03/28/24 22:31	1
10:2 FTS	<0.64		1.9	0.64	ng/L		03/27/24 05:06	03/28/24 22:31	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.38		1.9	0.38	ng/L		03/27/24 05:06	03/28/24 22:31	1
HFPO-DA (GenX)	<1.4		3.8	1.4	ng/L		03/27/24 05:06	03/28/24 22:31	1
F-53B Major	<0.23		1.9	0.23	ng/L		03/27/24 05:06	03/28/24 22:31	1
F-53B Minor	<0.30		1.9	0.30	ng/L		03/27/24 05:06	03/28/24 22:31	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C4 PFBA	68		25 - 150				03/27/24 05:06	03/28/24 22:31	1
13C5 PFPeA	80		25 - 150				03/27/24 05:06	03/28/24 22:31	1
13C2 PFHxA	90		25 - 150				03/27/24 05:06	03/28/24 22:31	1
13C4 PFHpA	87		25 - 150				03/27/24 05:06	03/28/24 22:31	1
13C4 PFOA	94		25 - 150				03/27/24 05:06	03/28/24 22:31	1

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# Client Sample Results

Client: Stantec Consulting Corporation  
 Project/Site: Chilton Plating - 193709334

Job ID: 500-248044-1

**Client Sample ID: SMW-2**

**Lab Sample ID: 500-248044-8**

**Date Collected: 03/21/24 16:00**

**Matrix: Water**

**Date Received: 03/26/24 09:30**

**Method: EPA 537 (modified) - Fluorinated Alkyl Substances (Continued)**

<i>Isotope Dilution</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
13C5 PFNA	83		25 - 150	03/27/24 05:06	03/28/24 22:31	1
13C2 PFDA	88		25 - 150	03/27/24 05:06	03/28/24 22:31	1
13C2 PFUnA	81		25 - 150	03/27/24 05:06	03/28/24 22:31	1
13C2 PFDoA	80		25 - 150	03/27/24 05:06	03/28/24 22:31	1
13C2 PFTeDA	77		25 - 150	03/27/24 05:06	03/28/24 22:31	1
13C2 PFHxDA	77		25 - 150	03/27/24 05:06	03/28/24 22:31	1
13C3 PFBS	81		25 - 150	03/27/24 05:06	03/28/24 22:31	1
18O2 PFHxS	80		25 - 150	03/27/24 05:06	03/28/24 22:31	1
13C4 PFOS	100		25 - 150	03/27/24 05:06	03/28/24 22:31	1
13C8 FOSA	83		10 - 150	03/27/24 05:06	03/28/24 22:31	1
d3-NMeFOSAA	87		25 - 150	03/27/24 05:06	03/28/24 22:31	1
d5-NEtFOSAA	94		25 - 150	03/27/24 05:06	03/28/24 22:31	1
d-N-MeFOSA-M	71		10 - 150	03/27/24 05:06	03/28/24 22:31	1
d-N-EtFOSA-M	72		10 - 150	03/27/24 05:06	03/28/24 22:31	1
d7-N-MeFOSE-M	74		10 - 150	03/27/24 05:06	03/28/24 22:31	1
d9-N-EtFOSE-M	77		10 - 150	03/27/24 05:06	03/28/24 22:31	1
M2-4:2 FTS	80		25 - 150	03/27/24 05:06	03/28/24 22:31	1
M2-6:2 FTS	111		25 - 150	03/27/24 05:06	03/28/24 22:31	1
M2-8:2 FTS	109		25 - 150	03/27/24 05:06	03/28/24 22:31	1
13C3 HFPO-DA	81		25 - 150	03/27/24 05:06	03/28/24 22:31	1
13C2 10:2 FTS	91		25 - 150	03/27/24 05:06	03/28/24 22:31	1

# Client Sample Results

Client: Stantec Consulting Corporation  
 Project/Site: Chilton Plating - 193709334

Job ID: 500-248044-1

**Client Sample ID: SPZ-1**

**Lab Sample ID: 500-248044-9**

Date Collected: 03/21/24 15:15

Matrix: Water

Date Received: 03/26/24 09:30

**Method: EPA 537 (modified) - Fluorinated Alkyl Substances**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	<2.2		4.7	2.2	ng/L		03/27/24 05:06	03/28/24 22:41	1
Perfluoropentanoic acid (PFPeA)	<0.46		1.9	0.46	ng/L		03/27/24 05:06	03/28/24 22:41	1
Perfluorohexanoic acid (PFHxA)	<0.54		1.9	0.54	ng/L		03/27/24 05:06	03/28/24 22:41	1
Perfluoroheptanoic acid (PFHpA)	<0.23		1.9	0.23	ng/L		03/27/24 05:06	03/28/24 22:41	1
Perfluorooctanoic acid (PFOA)	<0.79		1.9	0.79	ng/L		03/27/24 05:06	03/28/24 22:41	1
Perfluorononanoic acid (PFNA)	<0.25		1.9	0.25	ng/L		03/27/24 05:06	03/28/24 22:41	1
Perfluorodecanoic acid (PFDA)	<0.29		1.9	0.29	ng/L		03/27/24 05:06	03/28/24 22:41	1
Perfluoroundecanoic acid (PFUnA)	<1.0		1.9	1.0	ng/L		03/27/24 05:06	03/28/24 22:41	1
Perfluorododecanoic acid (PFDoA)	<0.51		1.9	0.51	ng/L		03/27/24 05:06	03/28/24 22:41	1
Perfluorotridecanoic acid (PFTriA)	<1.2		1.9	1.2	ng/L		03/27/24 05:06	03/28/24 22:41	1
Perfluorotetradecanoic acid (PFTeA)	<0.68		1.9	0.68	ng/L		03/27/24 05:06	03/28/24 22:41	1
Perfluoro-n-hexadecanoic acid (PFHxDA)	<0.83		1.9	0.83	ng/L		03/27/24 05:06	03/28/24 22:41	1
Perfluoro-n-octadecanoic acid (PFODA)	<0.88		1.9	0.88	ng/L		03/27/24 05:06	03/28/24 22:41	1
<b>Perfluorobutanesulfonic acid (PFBS)</b>	<b>0.83</b>	<b>J</b>	1.9	0.19	ng/L		03/27/24 05:06	03/28/24 22:41	1
Perfluoropentanesulfonic acid (PFPeS)	<0.28		1.9	0.28	ng/L		03/27/24 05:06	03/28/24 22:41	1
Perfluorohexanesulfonic acid (PFHxS)	<0.53		1.9	0.53	ng/L		03/27/24 05:06	03/28/24 22:41	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.18		1.9	0.18	ng/L		03/27/24 05:06	03/28/24 22:41	1
<b>Perfluorooctanesulfonic acid (PFOS)</b>	<b>1.5</b>	<b>J</b>	1.9	0.50	ng/L		03/27/24 05:06	03/28/24 22:41	1
Perfluorononanesulfonic acid (PFNS)	<0.34		1.9	0.34	ng/L		03/27/24 05:06	03/28/24 22:41	1
Perfluorodecanesulfonic acid (PFDS)	<0.30		1.9	0.30	ng/L		03/27/24 05:06	03/28/24 22:41	1
Perfluorododecanesulfonic acid (PFDoS)	<0.90		1.9	0.90	ng/L		03/27/24 05:06	03/28/24 22:41	1
Perfluorooctanesulfonamide (FOSA)	<0.91		1.9	0.91	ng/L		03/27/24 05:06	03/28/24 22:41	1
NEtFOSA	<0.81		1.9	0.81	ng/L		03/27/24 05:06	03/28/24 22:41	1
NMeFOSA	<0.40		1.9	0.40	ng/L		03/27/24 05:06	03/28/24 22:41	1
NMeFOSAA	<1.1		4.7	1.1	ng/L		03/27/24 05:06	03/28/24 22:41	1
NEtFOSAA	<1.2		4.7	1.2	ng/L		03/27/24 05:06	03/28/24 22:41	1
NMeFOSE	<1.3		3.7	1.3	ng/L		03/27/24 05:06	03/28/24 22:41	1
NEtFOSE	<0.79		1.9	0.79	ng/L		03/27/24 05:06	03/28/24 22:41	1
4:2 FTS	<0.22		1.9	0.22	ng/L		03/27/24 05:06	03/28/24 22:41	1
6:2 FTS	<2.3		4.7	2.3	ng/L		03/27/24 05:06	03/28/24 22:41	1
8:2 FTS	<0.43		1.9	0.43	ng/L		03/27/24 05:06	03/28/24 22:41	1
10:2 FTS	<0.62		1.9	0.62	ng/L		03/27/24 05:06	03/28/24 22:41	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.37		1.9	0.37	ng/L		03/27/24 05:06	03/28/24 22:41	1
HFPO-DA (GenX)	<1.4		3.7	1.4	ng/L		03/27/24 05:06	03/28/24 22:41	1
F-53B Major	<0.22		1.9	0.22	ng/L		03/27/24 05:06	03/28/24 22:41	1
F-53B Minor	<0.30		1.9	0.30	ng/L		03/27/24 05:06	03/28/24 22:41	1
<i>Isotope Dilution</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>				<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
13C4 PFBA	90		25 - 150				03/27/24 05:06	03/28/24 22:41	1
13C5 PFPeA	89		25 - 150				03/27/24 05:06	03/28/24 22:41	1
13C2 PFHxA	94		25 - 150				03/27/24 05:06	03/28/24 22:41	1
13C4 PFHpA	98		25 - 150				03/27/24 05:06	03/28/24 22:41	1
13C4 PFOA	100		25 - 150				03/27/24 05:06	03/28/24 22:41	1
13C5 PFNA	96		25 - 150				03/27/24 05:06	03/28/24 22:41	1

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# Client Sample Results

Client: Stantec Consulting Corporation  
 Project/Site: Chilton Plating - 193709334

Job ID: 500-248044-1

**Client Sample ID: SPZ-1**

**Lab Sample ID: 500-248044-9**

**Date Collected: 03/21/24 15:15**

**Matrix: Water**

**Date Received: 03/26/24 09:30**

**Method: EPA 537 (modified) - Fluorinated Alkyl Substances (Continued)**

<i>Isotope Dilution</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
13C2 PFDA	93		25 - 150	03/27/24 05:06	03/28/24 22:41	1
13C2 PFUnA	87		25 - 150	03/27/24 05:06	03/28/24 22:41	1
13C2 PFDoA	86		25 - 150	03/27/24 05:06	03/28/24 22:41	1
13C2 PFTeDA	84		25 - 150	03/27/24 05:06	03/28/24 22:41	1
13C2 PFHxDA	71		25 - 150	03/27/24 05:06	03/28/24 22:41	1
13C3 PFBS	90		25 - 150	03/27/24 05:06	03/28/24 22:41	1
18O2 PFHxS	91		25 - 150	03/27/24 05:06	03/28/24 22:41	1
13C4 PFOS	87		25 - 150	03/27/24 05:06	03/28/24 22:41	1
13C8 FOSA	94		10 - 150	03/27/24 05:06	03/28/24 22:41	1
d3-NMeFOSAA	97		25 - 150	03/27/24 05:06	03/28/24 22:41	1
d5-NEtFOSAA	98		25 - 150	03/27/24 05:06	03/28/24 22:41	1
d-N-MeFOSA-M	79		10 - 150	03/27/24 05:06	03/28/24 22:41	1
d-N-EtFOSA-M	80		10 - 150	03/27/24 05:06	03/28/24 22:41	1
d7-N-MeFOSE-M	78		10 - 150	03/27/24 05:06	03/28/24 22:41	1
d9-N-EtFOSE-M	80		10 - 150	03/27/24 05:06	03/28/24 22:41	1
M2-4:2 FTS	85		25 - 150	03/27/24 05:06	03/28/24 22:41	1
M2-6:2 FTS	101		25 - 150	03/27/24 05:06	03/28/24 22:41	1
M2-8:2 FTS	109		25 - 150	03/27/24 05:06	03/28/24 22:41	1
13C3 HFPO-DA	86		25 - 150	03/27/24 05:06	03/28/24 22:41	1
13C2 10:2 FTS	100		25 - 150	03/27/24 05:06	03/28/24 22:41	1

# Client Sample Results

Client: Stantec Consulting Corporation  
 Project/Site: Chilton Plating - 193709334

Job ID: 500-248044-1

**Client Sample ID: CPMW04A**

**Lab Sample ID: 500-248044-10**

Date Collected: 03/21/24 11:45

Matrix: Water

Date Received: 03/26/24 09:30

**Method: EPA 537 (modified) - Fluorinated Alkyl Substances**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	15		4.7	2.2	ng/L		03/27/24 05:06	03/28/24 22:52	1
Perfluoropentanoic acid (PFPeA)	30		1.9	0.46	ng/L		03/27/24 05:06	03/28/24 22:52	1
Perfluorohexanoic acid (PFHxA)	24		1.9	0.54	ng/L		03/27/24 05:06	03/28/24 22:52	1
Perfluoroheptanoic acid (PFHpA)	15		1.9	0.23	ng/L		03/27/24 05:06	03/28/24 22:52	1
Perfluorooctanoic acid (PFOA)	11		1.9	0.79	ng/L		03/27/24 05:06	03/28/24 22:52	1
Perfluorononanoic acid (PFNA)	1.5	J	1.9	0.25	ng/L		03/27/24 05:06	03/28/24 22:52	1
Perfluorodecanoic acid (PFDA)	0.52	J I	1.9	0.29	ng/L		03/27/24 05:06	03/28/24 22:52	1
Perfluoroundecanoic acid (PFUnA)	<1.0		1.9	1.0	ng/L		03/27/24 05:06	03/28/24 22:52	1
Perfluorododecanoic acid (PFDoA)	<0.51		1.9	0.51	ng/L		03/27/24 05:06	03/28/24 22:52	1
Perfluorotridecanoic acid (PFTriA)	<1.2		1.9	1.2	ng/L		03/27/24 05:06	03/28/24 22:52	1
Perfluorotetradecanoic acid (PFTeA)	<0.68		1.9	0.68	ng/L		03/27/24 05:06	03/28/24 22:52	1
Perfluoro-n-hexadecanoic acid (PFHxDA)	<0.83		1.9	0.83	ng/L		03/27/24 05:06	03/28/24 22:52	1
Perfluoro-n-octadecanoic acid (PFODA)	<0.88		1.9	0.88	ng/L		03/27/24 05:06	03/28/24 22:52	1
Perfluorobutanesulfonic acid (PFBS)	5.4		1.9	0.19	ng/L		03/27/24 05:06	03/28/24 22:52	1
Perfluoropentanesulfonic acid (PFPeS)	4.6		1.9	0.28	ng/L		03/27/24 05:06	03/28/24 22:52	1
Perfluorohexanesulfonic acid (PFHxS)	34		1.9	0.53	ng/L		03/27/24 05:06	03/28/24 22:52	1
Perfluoroheptanesulfonic acid (PFHpS)	17		1.9	0.18	ng/L		03/27/24 05:06	03/28/24 22:52	1
Perfluorononanesulfonic acid (PFNS)	<0.34		1.9	0.34	ng/L		03/27/24 05:06	03/28/24 22:52	1
Perfluorodecanesulfonic acid (PFDS)	<0.30		1.9	0.30	ng/L		03/27/24 05:06	03/28/24 22:52	1
Perfluorododecanesulfonic acid (PFDoS)	<0.90		1.9	0.90	ng/L		03/27/24 05:06	03/28/24 22:52	1
Perfluorooctanesulfonamide (FOSA)	<0.91		1.9	0.91	ng/L		03/27/24 05:06	03/28/24 22:52	1
NEtFOSA	<0.81		1.9	0.81	ng/L		03/27/24 05:06	03/28/24 22:52	1
NMeFOSA	<0.40		1.9	0.40	ng/L		03/27/24 05:06	03/28/24 22:52	1
NMeFOSAA	<1.1		4.7	1.1	ng/L		03/27/24 05:06	03/28/24 22:52	1
NEtFOSAA	<1.2		4.7	1.2	ng/L		03/27/24 05:06	03/28/24 22:52	1
NMeFOSE	<1.3		3.7	1.3	ng/L		03/27/24 05:06	03/28/24 22:52	1
NEtFOSE	<0.79		1.9	0.79	ng/L		03/27/24 05:06	03/28/24 22:52	1
4:2 FTS	<0.22		1.9	0.22	ng/L		03/27/24 05:06	03/28/24 22:52	1
6:2 FTS	2.6	J	4.7	2.3	ng/L		03/27/24 05:06	03/28/24 22:52	1
8:2 FTS	<0.43		1.9	0.43	ng/L		03/27/24 05:06	03/28/24 22:52	1
10:2 FTS	<0.62		1.9	0.62	ng/L		03/27/24 05:06	03/28/24 22:52	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.37		1.9	0.37	ng/L		03/27/24 05:06	03/28/24 22:52	1
HFPO-DA (GenX)	<1.4		3.7	1.4	ng/L		03/27/24 05:06	03/28/24 22:52	1
F-53B Major	<0.22		1.9	0.22	ng/L		03/27/24 05:06	03/28/24 22:52	1
F-53B Minor	<0.30		1.9	0.30	ng/L		03/27/24 05:06	03/28/24 22:52	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C4 PFBA	72		25 - 150				03/27/24 05:06	03/28/24 22:52	1
13C5 PFPeA	89		25 - 150				03/27/24 05:06	03/28/24 22:52	1
13C2 PFHxA	88		25 - 150				03/27/24 05:06	03/28/24 22:52	1
13C4 PFHpA	86		25 - 150				03/27/24 05:06	03/28/24 22:52	1
13C4 PFOA	93		25 - 150				03/27/24 05:06	03/28/24 22:52	1
13C5 PFNA	81		25 - 150				03/27/24 05:06	03/28/24 22:52	1
13C2 PFDA	84		25 - 150				03/27/24 05:06	03/28/24 22:52	1

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# Client Sample Results

Client: Stantec Consulting Corporation  
 Project/Site: Chilton Plating - 193709334

Job ID: 500-248044-1

**Client Sample ID: CPMW04A**

**Lab Sample ID: 500-248044-10**

**Date Collected: 03/21/24 11:45**

**Matrix: Water**

**Date Received: 03/26/24 09:30**

**Method: EPA 537 (modified) - Fluorinated Alkyl Substances (Continued)**

<i>Isotope Dilution</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
13C2 PFluA	75		25 - 150	03/27/24 05:06	03/28/24 22:52	1
13C2 PFlDoA	71		25 - 150	03/27/24 05:06	03/28/24 22:52	1
13C2 PFlTeDA	71		25 - 150	03/27/24 05:06	03/28/24 22:52	1
13C2 PFlHxDA	63		25 - 150	03/27/24 05:06	03/28/24 22:52	1
13C3 PFlBS	85		25 - 150	03/27/24 05:06	03/28/24 22:52	1
18O2 PFlHxS	83		25 - 150	03/27/24 05:06	03/28/24 22:52	1
13C4 PFlOS	97		25 - 150	03/27/24 05:06	03/28/24 22:52	1
13C8 FOSA	81		10 - 150	03/27/24 05:06	03/28/24 22:52	1
d3-NMeFOSAA	78		25 - 150	03/27/24 05:06	03/28/24 22:52	1
d5-NEtFOSAA	84		25 - 150	03/27/24 05:06	03/28/24 22:52	1
d-N-MeFOSA-M	67		10 - 150	03/27/24 05:06	03/28/24 22:52	1
d-N-EtFOSA-M	67		10 - 150	03/27/24 05:06	03/28/24 22:52	1
d7-N-MeFOSE-M	67		10 - 150	03/27/24 05:06	03/28/24 22:52	1
d9-N-EtFOSE-M	67		10 - 150	03/27/24 05:06	03/28/24 22:52	1
M2-4:2 FTS	78		25 - 150	03/27/24 05:06	03/28/24 22:52	1
M2-6:2 FTS	101		25 - 150	03/27/24 05:06	03/28/24 22:52	1
M2-8:2 FTS	100		25 - 150	03/27/24 05:06	03/28/24 22:52	1
13C3 HFPO-DA	77		25 - 150	03/27/24 05:06	03/28/24 22:52	1
13C2 10:2 FTS	84		25 - 150	03/27/24 05:06	03/28/24 22:52	1

**Method: EPA 537 (modified) - Fluorinated Alkyl Substances - DL**

<i>Analyte</i>	<i>Result</i>	<i>Qualifier</i>	<i>RL</i>	<i>MDL</i>	<i>Unit</i>	<i>D</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
<b>Perfluorooctanesulfonic acid (PFOS)</b>	<b>1800</b>		19	5.0	ng/L		03/27/24 05:06	03/30/24 05:55	10
<i>Isotope Dilution</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>			
13C4 PFOS	81		25 - 150	03/27/24 05:06	03/30/24 05:55	10			



# Client Sample Results

Client: Stantec Consulting Corporation  
 Project/Site: Chilton Plating - 193709334

Job ID: 500-248044-1

**Client Sample ID: GSMW103**

**Lab Sample ID: 500-248044-11**

**Date Collected: 03/21/24 09:43**

**Matrix: Water**

**Date Received: 03/26/24 09:30**

**Method: EPA 537 (modified) - Fluorinated Alkyl Substances**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	<2.3		4.9	2.3	ng/L		03/27/24 05:06	03/28/24 23:02	1
Perfluoropentanoic acid (PFPeA)	<0.48		2.0	0.48	ng/L		03/27/24 05:06	03/28/24 23:02	1
Perfluorohexanoic acid (PFHxA)	<0.57		2.0	0.57	ng/L		03/27/24 05:06	03/28/24 23:02	1
Perfluoroheptanoic acid (PFHpA)	<0.24		2.0	0.24	ng/L		03/27/24 05:06	03/28/24 23:02	1
Perfluorooctanoic acid (PFOA)	<0.83		2.0	0.83	ng/L		03/27/24 05:06	03/28/24 23:02	1
Perfluorononanoic acid (PFNA)	<0.26		2.0	0.26	ng/L		03/27/24 05:06	03/28/24 23:02	1
Perfluorodecanoic acid (PFDA)	<0.30		2.0	0.30	ng/L		03/27/24 05:06	03/28/24 23:02	1
Perfluoroundecanoic acid (PFUnA)	<1.1		2.0	1.1	ng/L		03/27/24 05:06	03/28/24 23:02	1
Perfluorododecanoic acid (PFDoA)	<0.54		2.0	0.54	ng/L		03/27/24 05:06	03/28/24 23:02	1
Perfluorotridecanoic acid (PFTriA)	<1.3		2.0	1.3	ng/L		03/27/24 05:06	03/28/24 23:02	1
Perfluorotetradecanoic acid (PFTeA)	<0.71		2.0	0.71	ng/L		03/27/24 05:06	03/28/24 23:02	1
Perfluoro-n-hexadecanoic acid (PFHxDA)	<0.87		2.0	0.87	ng/L		03/27/24 05:06	03/28/24 23:02	1
Perfluoro-n-octadecanoic acid (PFODA)	<0.92		2.0	0.92	ng/L		03/27/24 05:06	03/28/24 23:02	1
<b>Perfluorobutanesulfonic acid (PFBS)</b>	<b>0.72</b>	<b>J</b>	2.0	0.20	ng/L		03/27/24 05:06	03/28/24 23:02	1
Perfluoropentanesulfonic acid (PFPeS)	<0.29		2.0	0.29	ng/L		03/27/24 05:06	03/28/24 23:02	1
<b>Perfluorohexanesulfonic acid (PFHxS)</b>	<b>1.1</b>	<b>J</b>	2.0	0.56	ng/L		03/27/24 05:06	03/28/24 23:02	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.19		2.0	0.19	ng/L		03/27/24 05:06	03/28/24 23:02	1
<b>Perfluorooctanesulfonic acid (PFOS)</b>	<b>5.4</b>		2.0	0.53	ng/L		03/27/24 05:06	03/28/24 23:02	1
Perfluorononanesulfonic acid (PFNS)	<0.36		2.0	0.36	ng/L		03/27/24 05:06	03/28/24 23:02	1
Perfluorodecanesulfonic acid (PFDS)	<0.31		2.0	0.31	ng/L		03/27/24 05:06	03/28/24 23:02	1
Perfluorododecanesulfonic acid (PFDoS)	<0.95		2.0	0.95	ng/L		03/27/24 05:06	03/28/24 23:02	1
Perfluorooctanesulfonamide (FOSA)	<0.96		2.0	0.96	ng/L		03/27/24 05:06	03/28/24 23:02	1
NEtFOSA	<0.85		2.0	0.85	ng/L		03/27/24 05:06	03/28/24 23:02	1
NMeFOSA	<0.42		2.0	0.42	ng/L		03/27/24 05:06	03/28/24 23:02	1
NMeFOSAA	<1.2		4.9	1.2	ng/L		03/27/24 05:06	03/28/24 23:02	1
NEtFOSAA	<1.3		4.9	1.3	ng/L		03/27/24 05:06	03/28/24 23:02	1
NMeFOSE	<1.4		3.9	1.4	ng/L		03/27/24 05:06	03/28/24 23:02	1
NEtFOSE	<0.83		2.0	0.83	ng/L		03/27/24 05:06	03/28/24 23:02	1
4:2 FTS	<0.23		2.0	0.23	ng/L		03/27/24 05:06	03/28/24 23:02	1
6:2 FTS	<2.4		4.9	2.4	ng/L		03/27/24 05:06	03/28/24 23:02	1
8:2 FTS	<0.45		2.0	0.45	ng/L		03/27/24 05:06	03/28/24 23:02	1
10:2 FTS	<0.65		2.0	0.65	ng/L		03/27/24 05:06	03/28/24 23:02	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.39		2.0	0.39	ng/L		03/27/24 05:06	03/28/24 23:02	1
HFPO-DA (GenX)	<1.5		3.9	1.5	ng/L		03/27/24 05:06	03/28/24 23:02	1
F-53B Major	<0.23		2.0	0.23	ng/L		03/27/24 05:06	03/28/24 23:02	1
F-53B Minor	<0.31		2.0	0.31	ng/L		03/27/24 05:06	03/28/24 23:02	1
<i>Isotope Dilution</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>				<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
13C4 PFBA	91		25 - 150				03/27/24 05:06	03/28/24 23:02	1
13C5 PFPeA	97		25 - 150				03/27/24 05:06	03/28/24 23:02	1
13C2 PFHxA	98		25 - 150				03/27/24 05:06	03/28/24 23:02	1
13C4 PFHpA	97		25 - 150				03/27/24 05:06	03/28/24 23:02	1
13C4 PFOA	106		25 - 150				03/27/24 05:06	03/28/24 23:02	1

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# Client Sample Results

Client: Stantec Consulting Corporation  
 Project/Site: Chilton Plating - 193709334

Job ID: 500-248044-1

**Client Sample ID: GSMW103**

**Lab Sample ID: 500-248044-11**

**Date Collected: 03/21/24 09:43**

**Matrix: Water**

**Date Received: 03/26/24 09:30**

**Method: EPA 537 (modified) - Fluorinated Alkyl Substances (Continued)**

<i>Isotope Dilution</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
13C5 PFNA	100		25 - 150	03/27/24 05:06	03/28/24 23:02	1
13C2 PFDA	97		25 - 150	03/27/24 05:06	03/28/24 23:02	1
13C2 PFUnA	87		25 - 150	03/27/24 05:06	03/28/24 23:02	1
13C2 PFDoA	81		25 - 150	03/27/24 05:06	03/28/24 23:02	1
13C2 PFTeDA	82		25 - 150	03/27/24 05:06	03/28/24 23:02	1
13C2 PFHxDA	65		25 - 150	03/27/24 05:06	03/28/24 23:02	1
13C3 PFBS	94		25 - 150	03/27/24 05:06	03/28/24 23:02	1
18O2 PFHxS	90		25 - 150	03/27/24 05:06	03/28/24 23:02	1
13C4 PFOS	88		25 - 150	03/27/24 05:06	03/28/24 23:02	1
13C8 FOSA	92		10 - 150	03/27/24 05:06	03/28/24 23:02	1
d3-NMeFOSAA	91		25 - 150	03/27/24 05:06	03/28/24 23:02	1
d5-NEtFOSAA	95		25 - 150	03/27/24 05:06	03/28/24 23:02	1
d-N-MeFOSA-M	79		10 - 150	03/27/24 05:06	03/28/24 23:02	1
d-N-EtFOSA-M	81		10 - 150	03/27/24 05:06	03/28/24 23:02	1
d7-N-MeFOSE-M	79		10 - 150	03/27/24 05:06	03/28/24 23:02	1
d9-N-EtFOSE-M	79		10 - 150	03/27/24 05:06	03/28/24 23:02	1
M2-4:2 FTS	89		25 - 150	03/27/24 05:06	03/28/24 23:02	1
M2-6:2 FTS	104		25 - 150	03/27/24 05:06	03/28/24 23:02	1
M2-8:2 FTS	108		25 - 150	03/27/24 05:06	03/28/24 23:02	1
13C3 HFPO-DA	95		25 - 150	03/27/24 05:06	03/28/24 23:02	1
13C2 10:2 FTS	95		25 - 150	03/27/24 05:06	03/28/24 23:02	1

# Client Sample Results

Client: Stantec Consulting Corporation  
 Project/Site: Chilton Plating - 193709334

Job ID: 500-248044-1

**Client Sample ID: SMW-7**

**Lab Sample ID: 500-248044-12**

Date Collected: 03/21/24 17:15

Matrix: Water

Date Received: 03/26/24 09:30

**Method: EPA 537 (modified) - Fluorinated Alkyl Substances**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	3.4	J	4.7	2.2	ng/L		03/27/24 05:06	03/28/24 23:32	1
Perfluoropentanoic acid (PFPeA)	3.3		1.9	0.46	ng/L		03/27/24 05:06	03/28/24 23:32	1
Perfluorohexanoic acid (PFHxA)	3.0		1.9	0.54	ng/L		03/27/24 05:06	03/28/24 23:32	1
Perfluoroheptanoic acid (PFHpA)	2.6		1.9	0.23	ng/L		03/27/24 05:06	03/28/24 23:32	1
Perfluorooctanoic acid (PFOA)	2.3		1.9	0.80	ng/L		03/27/24 05:06	03/28/24 23:32	1
Perfluorononanoic acid (PFNA)	<0.25		1.9	0.25	ng/L		03/27/24 05:06	03/28/24 23:32	1
Perfluorodecanoic acid (PFDA)	<0.29		1.9	0.29	ng/L		03/27/24 05:06	03/28/24 23:32	1
Perfluoroundecanoic acid (PFUnA)	<1.0		1.9	1.0	ng/L		03/27/24 05:06	03/28/24 23:32	1
Perfluorododecanoic acid (PFDoA)	<0.51		1.9	0.51	ng/L		03/27/24 05:06	03/28/24 23:32	1
Perfluorotridecanoic acid (PFTriA)	<1.2		1.9	1.2	ng/L		03/27/24 05:06	03/28/24 23:32	1
Perfluorotetradecanoic acid (PFTeA)	<0.68		1.9	0.68	ng/L		03/27/24 05:06	03/28/24 23:32	1
Perfluoro-n-hexadecanoic acid (PFHxDA)	<0.83		1.9	0.83	ng/L		03/27/24 05:06	03/28/24 23:32	1
Perfluoro-n-octadecanoic acid (PFODA)	<0.88		1.9	0.88	ng/L		03/27/24 05:06	03/28/24 23:32	1
Perfluorobutanesulfonic acid (PFBS)	2.0		1.9	0.19	ng/L		03/27/24 05:06	03/28/24 23:32	1
Perfluoropentanesulfonic acid (PFPeS)	0.69	J	1.9	0.28	ng/L		03/27/24 05:06	03/28/24 23:32	1
Perfluorohexanesulfonic acid (PFHxS)	5.2		1.9	0.53	ng/L		03/27/24 05:06	03/28/24 23:32	1
Perfluoroheptanesulfonic acid (PFHpS)	1.0	J	1.9	0.18	ng/L		03/27/24 05:06	03/28/24 23:32	1
Perfluorooctanesulfonic acid (PFOS)	45		1.9	0.51	ng/L		03/27/24 05:06	03/28/24 23:32	1
Perfluorononanesulfonic acid (PFNS)	<0.35		1.9	0.35	ng/L		03/27/24 05:06	03/28/24 23:32	1
Perfluorodecanesulfonic acid (PFDS)	<0.30		1.9	0.30	ng/L		03/27/24 05:06	03/28/24 23:32	1
Perfluorododecanesulfonic acid (PFDoS)	<0.91		1.9	0.91	ng/L		03/27/24 05:06	03/28/24 23:32	1
Perfluorooctanesulfonamide (FOSA)	<0.92		1.9	0.92	ng/L		03/27/24 05:06	03/28/24 23:32	1
NEtFOSA	<0.81		1.9	0.81	ng/L		03/27/24 05:06	03/28/24 23:32	1
NMeFOSA	<0.40		1.9	0.40	ng/L		03/27/24 05:06	03/28/24 23:32	1
NMeFOSAA	<1.1		4.7	1.1	ng/L		03/27/24 05:06	03/28/24 23:32	1
NEtFOSAA	<1.2		4.7	1.2	ng/L		03/27/24 05:06	03/28/24 23:32	1
NMeFOSE	<1.3		3.7	1.3	ng/L		03/27/24 05:06	03/28/24 23:32	1
NEtFOSE	<0.80		1.9	0.80	ng/L		03/27/24 05:06	03/28/24 23:32	1
4:2 FTS	<0.22		1.9	0.22	ng/L		03/27/24 05:06	03/28/24 23:32	1
6:2 FTS	<2.3		4.7	2.3	ng/L		03/27/24 05:06	03/28/24 23:32	1
8:2 FTS	<0.43		1.9	0.43	ng/L		03/27/24 05:06	03/28/24 23:32	1
10:2 FTS	<0.63		1.9	0.63	ng/L		03/27/24 05:06	03/28/24 23:32	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.37		1.9	0.37	ng/L		03/27/24 05:06	03/28/24 23:32	1
HFPO-DA (GenX)	<1.4		3.7	1.4	ng/L		03/27/24 05:06	03/28/24 23:32	1
F-53B Major	<0.22		1.9	0.22	ng/L		03/27/24 05:06	03/28/24 23:32	1
F-53B Minor	<0.30		1.9	0.30	ng/L		03/27/24 05:06	03/28/24 23:32	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C4 PFBA	80		25 - 150				03/27/24 05:06	03/28/24 23:32	1
13C5 PFPeA	87		25 - 150				03/27/24 05:06	03/28/24 23:32	1
13C2 PFHxA	91		25 - 150				03/27/24 05:06	03/28/24 23:32	1
13C4 PFHpA	91		25 - 150				03/27/24 05:06	03/28/24 23:32	1
13C4 PFOA	97		25 - 150				03/27/24 05:06	03/28/24 23:32	1

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# Client Sample Results

Client: Stantec Consulting Corporation  
 Project/Site: Chilton Plating - 193709334

Job ID: 500-248044-1

**Client Sample ID: SMW-7**

**Lab Sample ID: 500-248044-12**

**Date Collected: 03/21/24 17:15**

**Matrix: Water**

**Date Received: 03/26/24 09:30**

**Method: EPA 537 (modified) - Fluorinated Alkyl Substances (Continued)**

<i>Isotope Dilution</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
13C5 PFNA	89		25 - 150	03/27/24 05:06	03/28/24 23:32	1
13C2 PFDA	90		25 - 150	03/27/24 05:06	03/28/24 23:32	1
13C2 PFUnA	87		25 - 150	03/27/24 05:06	03/28/24 23:32	1
13C2 PFDoA	80		25 - 150	03/27/24 05:06	03/28/24 23:32	1
13C2 PFTeDA	80		25 - 150	03/27/24 05:06	03/28/24 23:32	1
13C2 PFHxDA	62		25 - 150	03/27/24 05:06	03/28/24 23:32	1
13C3 PFBS	85		25 - 150	03/27/24 05:06	03/28/24 23:32	1
18O2 PFHxS	84		25 - 150	03/27/24 05:06	03/28/24 23:32	1
13C4 PFOS	88		25 - 150	03/27/24 05:06	03/28/24 23:32	1
13C8 FOSA	91		10 - 150	03/27/24 05:06	03/28/24 23:32	1
d3-NMeFOSAA	92		25 - 150	03/27/24 05:06	03/28/24 23:32	1
d5-NEtFOSAA	93		25 - 150	03/27/24 05:06	03/28/24 23:32	1
d-N-MeFOSA-M	77		10 - 150	03/27/24 05:06	03/28/24 23:32	1
d-N-EtFOSA-M	81		10 - 150	03/27/24 05:06	03/28/24 23:32	1
d7-N-MeFOSE-M	81		10 - 150	03/27/24 05:06	03/28/24 23:32	1
d9-N-EtFOSE-M	86		10 - 150	03/27/24 05:06	03/28/24 23:32	1
M2-4:2 FTS	86		25 - 150	03/27/24 05:06	03/28/24 23:32	1
M2-6:2 FTS	102		25 - 150	03/27/24 05:06	03/28/24 23:32	1
M2-8:2 FTS	106		25 - 150	03/27/24 05:06	03/28/24 23:32	1
13C3 HFPO-DA	82		25 - 150	03/27/24 05:06	03/28/24 23:32	1
13C2 10:2 FTS	95		25 - 150	03/27/24 05:06	03/28/24 23:32	1

# Client Sample Results

Client: Stantec Consulting Corporation  
 Project/Site: Chilton Plating - 193709334

Job ID: 500-248044-1

**Client Sample ID: CPPZ104**

**Lab Sample ID: 500-248044-13**

**Date Collected: 03/21/24 12:30**

**Matrix: Water**

**Date Received: 03/26/24 09:30**

**Method: EPA 537 (modified) - Fluorinated Alkyl Substances**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	<2.4		4.9	2.4	ng/L		03/29/24 08:13	04/01/24 12:53	1
Perfluoropentanoic acid (PFPeA)	<0.48		2.0	0.48	ng/L		03/29/24 08:13	04/01/24 12:53	1
Perfluorohexanoic acid (PFHxA)	<0.57		2.0	0.57	ng/L		03/29/24 08:13	04/01/24 12:53	1
Perfluoroheptanoic acid (PFHpA)	<0.25		2.0	0.25	ng/L		03/29/24 08:13	04/01/24 12:53	1
Perfluorooctanoic acid (PFOA)	<0.84	*+	2.0	0.84	ng/L		03/29/24 08:13	04/01/24 12:53	1
Perfluorononanoic acid (PFNA)	<0.27		2.0	0.27	ng/L		03/29/24 08:13	04/01/24 12:53	1
Perfluorodecanoic acid (PFDA)	<0.31		2.0	0.31	ng/L		03/29/24 08:13	04/01/24 12:53	1
Perfluoroundecanoic acid (PFUnA)	<1.1		2.0	1.1	ng/L		03/29/24 08:13	04/01/24 12:53	1
Perfluorododecanoic acid (PFDoA)	<0.54		2.0	0.54	ng/L		03/29/24 08:13	04/01/24 12:53	1
Perfluorotridecanoic acid (PFTriA)	<1.3		2.0	1.3	ng/L		03/29/24 08:13	04/01/24 12:53	1
Perfluorotetradecanoic acid (PFTeA)	<0.72		2.0	0.72	ng/L		03/29/24 08:13	04/01/24 12:53	1
Perfluoro-n-hexadecanoic acid (PFHxDA)	<0.88		2.0	0.88	ng/L		03/29/24 08:13	04/01/24 12:53	1
Perfluoro-n-octadecanoic acid (PFODA)	<0.93		2.0	0.93	ng/L		03/29/24 08:13	04/01/24 12:53	1
<b>Perfluorobutanesulfonic acid (PFBS)</b>	<b>0.80</b>	<b>J I</b>	2.0	0.20	ng/L		03/29/24 08:13	04/01/24 12:53	1
Perfluoropentanesulfonic acid (PFPeS)	<0.30		2.0	0.30	ng/L		03/29/24 08:13	04/01/24 12:53	1
<b>Perfluorohexanesulfonic acid (PFHxS)</b>	<b>0.85</b>	<b>J</b>	2.0	0.56	ng/L		03/29/24 08:13	04/01/24 12:53	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.19		2.0	0.19	ng/L		03/29/24 08:13	04/01/24 12:53	1
<b>Perfluorooctanesulfonic acid (PFOS)</b>	<b>5.2</b>		2.0	0.53	ng/L		03/29/24 08:13	04/01/24 12:53	1
Perfluorononanesulfonic acid (PFNS)	<0.36		2.0	0.36	ng/L		03/29/24 08:13	04/01/24 12:53	1
Perfluorodecanesulfonic acid (PFDS)	<0.32		2.0	0.32	ng/L		03/29/24 08:13	04/01/24 12:53	1
Perfluorododecanesulfonic acid (PFDoS)	<0.96		2.0	0.96	ng/L		03/29/24 08:13	04/01/24 12:53	1
Perfluorooctanesulfonamide (FOSA)	<0.96		2.0	0.96	ng/L		03/29/24 08:13	04/01/24 12:53	1
NEtFOSA	<0.86		2.0	0.86	ng/L		03/29/24 08:13	04/01/24 12:53	1
NMeFOSA	<0.42		2.0	0.42	ng/L		03/29/24 08:13	04/01/24 12:53	1
NMeFOSAA	<1.2		4.9	1.2	ng/L		03/29/24 08:13	04/01/24 12:53	1
NEtFOSAA	<1.3		4.9	1.3	ng/L		03/29/24 08:13	04/01/24 12:53	1
NMeFOSE	<1.4		3.9	1.4	ng/L		03/29/24 08:13	04/01/24 12:53	1
NEtFOSE	<0.84		2.0	0.84	ng/L		03/29/24 08:13	04/01/24 12:53	1
4:2 FTS	<0.24		2.0	0.24	ng/L		03/29/24 08:13	04/01/24 12:53	1
6:2 FTS	<2.5		4.9	2.5	ng/L		03/29/24 08:13	04/01/24 12:53	1
8:2 FTS	<0.45		2.0	0.45	ng/L		03/29/24 08:13	04/01/24 12:53	1
10:2 FTS	<0.66		2.0	0.66	ng/L		03/29/24 08:13	04/01/24 12:53	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.39		2.0	0.39	ng/L		03/29/24 08:13	04/01/24 12:53	1
HFPO-DA (GenX)	<1.5		3.9	1.5	ng/L		03/29/24 08:13	04/01/24 12:53	1
F-53B Major	<0.24		2.0	0.24	ng/L		03/29/24 08:13	04/01/24 12:53	1
F-53B Minor	<0.32		2.0	0.32	ng/L		03/29/24 08:13	04/01/24 12:53	1
<b>Isotope Dilution</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>				<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
13C4 PFBA	91		25 - 150				03/29/24 08:13	04/01/24 12:53	1
13C5 PFPeA	94		25 - 150				03/29/24 08:13	04/01/24 12:53	1
13C2 PFHxA	96		25 - 150				03/29/24 08:13	04/01/24 12:53	1
13C4 PFHpA	102		25 - 150				03/29/24 08:13	04/01/24 12:53	1
13C4 PFOA	93		25 - 150				03/29/24 08:13	04/01/24 12:53	1

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# Client Sample Results

Client: Stantec Consulting Corporation  
 Project/Site: Chilton Plating - 193709334

Job ID: 500-248044-1

**Client Sample ID: CPPZ104**

**Lab Sample ID: 500-248044-13**

**Date Collected: 03/21/24 12:30**

**Matrix: Water**

**Date Received: 03/26/24 09:30**

**Method: EPA 537 (modified) - Fluorinated Alkyl Substances (Continued)**

<i>Isotope Dilution</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
13C5 PFNA	97		25 - 150	03/29/24 08:13	04/01/24 12:53	1
13C2 PFDA	96		25 - 150	03/29/24 08:13	04/01/24 12:53	1
13C2 PFUnA	84		25 - 150	03/29/24 08:13	04/01/24 12:53	1
13C2 PFDoA	78		25 - 150	03/29/24 08:13	04/01/24 12:53	1
13C2 PFTeDA	83		25 - 150	03/29/24 08:13	04/01/24 12:53	1
13C2 PFHxDA	82		25 - 150	03/29/24 08:13	04/01/24 12:53	1
13C3 PFBS	99		25 - 150	03/29/24 08:13	04/01/24 12:53	1
18O2 PFHxS	112		25 - 150	03/29/24 08:13	04/01/24 12:53	1
13C4 PFOS	98		25 - 150	03/29/24 08:13	04/01/24 12:53	1
13C8 FOSA	104		10 - 150	03/29/24 08:13	04/01/24 12:53	1
d3-NMeFOSAA	97		25 - 150	03/29/24 08:13	04/01/24 12:53	1
d5-NEtFOSAA	94		25 - 150	03/29/24 08:13	04/01/24 12:53	1
d-N-MeFOSA-M	84		10 - 150	03/29/24 08:13	04/01/24 12:53	1
d-N-EtFOSA-M	80		10 - 150	03/29/24 08:13	04/01/24 12:53	1
d7-N-MeFOSE-M	86		10 - 150	03/29/24 08:13	04/01/24 12:53	1
d9-N-EtFOSE-M	80		10 - 150	03/29/24 08:13	04/01/24 12:53	1
M2-4:2 FTS	101		25 - 150	03/29/24 08:13	04/01/24 12:53	1
M2-6:2 FTS	102		25 - 150	03/29/24 08:13	04/01/24 12:53	1
M2-8:2 FTS	102		25 - 150	03/29/24 08:13	04/01/24 12:53	1
13C3 HFPO-DA	101		25 - 150	03/29/24 08:13	04/01/24 12:53	1
13C2 10:2 FTS	83		25 - 150	03/29/24 08:13	04/01/24 12:53	1

# Client Sample Results

Client: Stantec Consulting Corporation  
 Project/Site: Chilton Plating - 193709334

Job ID: 500-248044-1

**Client Sample ID: GSPZ103**

**Lab Sample ID: 500-248044-14**

**Date Collected: 03/21/24 09:55**

**Matrix: Water**

**Date Received: 03/26/24 09:30**

**Method: EPA 537 (modified) - Fluorinated Alkyl Substances**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	<2.2		4.7	2.2	ng/L		03/29/24 08:13	04/01/24 13:03	1
Perfluoropentanoic acid (PFPeA)	<0.46		1.9	0.46	ng/L		03/29/24 08:13	04/01/24 13:03	1
Perfluorohexanoic acid (PFHxA)	<0.54		1.9	0.54	ng/L		03/29/24 08:13	04/01/24 13:03	1
Perfluoroheptanoic acid (PFHpA)	<0.23		1.9	0.23	ng/L		03/29/24 08:13	04/01/24 13:03	1
Perfluorooctanoic acid (PFOA)	<0.80	+	1.9	0.80	ng/L		03/29/24 08:13	04/01/24 13:03	1
Perfluorononanoic acid (PFNA)	<0.25		1.9	0.25	ng/L		03/29/24 08:13	04/01/24 13:03	1
Perfluorodecanoic acid (PFDA)	<0.29		1.9	0.29	ng/L		03/29/24 08:13	04/01/24 13:03	1
Perfluoroundecanoic acid (PFUnA)	<1.0		1.9	1.0	ng/L		03/29/24 08:13	04/01/24 13:03	1
Perfluorododecanoic acid (PFDoA)	<0.51		1.9	0.51	ng/L		03/29/24 08:13	04/01/24 13:03	1
Perfluorotridecanoic acid (PFTriA)	<1.2		1.9	1.2	ng/L		03/29/24 08:13	04/01/24 13:03	1
Perfluorotetradecanoic acid (PFTeA)	<0.68		1.9	0.68	ng/L		03/29/24 08:13	04/01/24 13:03	1
Perfluoro-n-hexadecanoic acid (PFHxDA)	<0.83		1.9	0.83	ng/L		03/29/24 08:13	04/01/24 13:03	1
Perfluoro-n-octadecanoic acid (PFODA)	<0.88		1.9	0.88	ng/L		03/29/24 08:13	04/01/24 13:03	1
<b>Perfluorobutanesulfonic acid (PFBS)</b>	<b>0.45</b>	<b>J</b>	1.9	0.19	ng/L		03/29/24 08:13	04/01/24 13:03	1
Perfluoropentanesulfonic acid (PFPeS)	<0.28		1.9	0.28	ng/L		03/29/24 08:13	04/01/24 13:03	1
Perfluorohexanesulfonic acid (PFHxS)	<0.53		1.9	0.53	ng/L		03/29/24 08:13	04/01/24 13:03	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.18		1.9	0.18	ng/L		03/29/24 08:13	04/01/24 13:03	1
Perfluorooctanesulfonic acid (PFOS)	<0.51		1.9	0.51	ng/L		03/29/24 08:13	04/01/24 13:03	1
Perfluorononanesulfonic acid (PFNS)	<0.35		1.9	0.35	ng/L		03/29/24 08:13	04/01/24 13:03	1
Perfluorodecanesulfonic acid (PFDS)	<0.30		1.9	0.30	ng/L		03/29/24 08:13	04/01/24 13:03	1
Perfluorododecanesulfonic acid (PFDoS)	<0.91		1.9	0.91	ng/L		03/29/24 08:13	04/01/24 13:03	1
Perfluorooctanesulfonamide (FOSA)	<0.92		1.9	0.92	ng/L		03/29/24 08:13	04/01/24 13:03	1
NEtFOSA	<0.81		1.9	0.81	ng/L		03/29/24 08:13	04/01/24 13:03	1
NMeFOSA	<0.40		1.9	0.40	ng/L		03/29/24 08:13	04/01/24 13:03	1
NMeFOSAA	<1.1		4.7	1.1	ng/L		03/29/24 08:13	04/01/24 13:03	1
NEtFOSAA	<1.2		4.7	1.2	ng/L		03/29/24 08:13	04/01/24 13:03	1
NMeFOSE	<1.3		3.7	1.3	ng/L		03/29/24 08:13	04/01/24 13:03	1
NEtFOSE	<0.80		1.9	0.80	ng/L		03/29/24 08:13	04/01/24 13:03	1
4:2 FTS	<0.22		1.9	0.22	ng/L		03/29/24 08:13	04/01/24 13:03	1
6:2 FTS	<2.3		4.7	2.3	ng/L		03/29/24 08:13	04/01/24 13:03	1
8:2 FTS	<0.43		1.9	0.43	ng/L		03/29/24 08:13	04/01/24 13:03	1
10:2 FTS	<0.63		1.9	0.63	ng/L		03/29/24 08:13	04/01/24 13:03	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.37		1.9	0.37	ng/L		03/29/24 08:13	04/01/24 13:03	1
HFPO-DA (GenX)	<1.4		3.7	1.4	ng/L		03/29/24 08:13	04/01/24 13:03	1
F-53B Major	<0.22		1.9	0.22	ng/L		03/29/24 08:13	04/01/24 13:03	1
F-53B Minor	<0.30		1.9	0.30	ng/L		03/29/24 08:13	04/01/24 13:03	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	91		25 - 150	03/29/24 08:13	04/01/24 13:03	1
13C5 PFPeA	92		25 - 150	03/29/24 08:13	04/01/24 13:03	1
13C2 PFHxA	99		25 - 150	03/29/24 08:13	04/01/24 13:03	1
13C4 PFHpA	97		25 - 150	03/29/24 08:13	04/01/24 13:03	1
13C4 PFOA	94		25 - 150	03/29/24 08:13	04/01/24 13:03	1
13C5 PFNA	96		25 - 150	03/29/24 08:13	04/01/24 13:03	1
13C2 PFDA	93		25 - 150	03/29/24 08:13	04/01/24 13:03	1

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# Client Sample Results

Client: Stantec Consulting Corporation  
 Project/Site: Chilton Plating - 193709334

Job ID: 500-248044-1

**Client Sample ID: GSPZ103**

**Lab Sample ID: 500-248044-14**

**Date Collected: 03/21/24 09:55**

**Matrix: Water**

**Date Received: 03/26/24 09:30**

**Method: EPA 537 (modified) - Fluorinated Alkyl Substances (Continued)**

<i>Isotope Dilution</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
13C2 PFluA	86		25 - 150	03/29/24 08:13	04/01/24 13:03	1
13C2 PFlDoA	85		25 - 150	03/29/24 08:13	04/01/24 13:03	1
13C2 PFlTeDA	84		25 - 150	03/29/24 08:13	04/01/24 13:03	1
13C2 PFlHxDA	85		25 - 150	03/29/24 08:13	04/01/24 13:03	1
13C3 PFlBS	96		25 - 150	03/29/24 08:13	04/01/24 13:03	1
18O2 PFlHS	105		25 - 150	03/29/24 08:13	04/01/24 13:03	1
13C4 PFlOS	96		25 - 150	03/29/24 08:13	04/01/24 13:03	1
13C8 FOSA	102		10 - 150	03/29/24 08:13	04/01/24 13:03	1
d3-NMeFOSAA	90		25 - 150	03/29/24 08:13	04/01/24 13:03	1
d5-NEtFOSAA	92		25 - 150	03/29/24 08:13	04/01/24 13:03	1
d-N-MeFOSA-M	84		10 - 150	03/29/24 08:13	04/01/24 13:03	1
d-N-EtFOSA-M	78		10 - 150	03/29/24 08:13	04/01/24 13:03	1
d7-N-MeFOSE-M	91		10 - 150	03/29/24 08:13	04/01/24 13:03	1
d9-N-EtFOSE-M	89		10 - 150	03/29/24 08:13	04/01/24 13:03	1
M2-4:2 FTS	89		25 - 150	03/29/24 08:13	04/01/24 13:03	1
M2-6:2 FTS	100		25 - 150	03/29/24 08:13	04/01/24 13:03	1
M2-8:2 FTS	92		25 - 150	03/29/24 08:13	04/01/24 13:03	1
13C3 HFPO-DA	94		25 - 150	03/29/24 08:13	04/01/24 13:03	1
13C2 10:2 FTS	75		25 - 150	03/29/24 08:13	04/01/24 13:03	1

# Client Sample Results

Client: Stantec Consulting Corporation  
 Project/Site: Chilton Plating - 193709334

Job ID: 500-248044-1

**Client Sample ID: EB1**  
**Date Collected: 03/21/24 11:50**  
**Date Received: 03/26/24 09:30**

**Lab Sample ID: 500-248044-15**  
**Matrix: Water**

**Method: EPA 537 (modified) - Fluorinated Alkyl Substances**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	<2.2		4.6	2.2	ng/L		03/29/24 08:13	04/01/24 13:13	1
Perfluoropentanoic acid (PFPeA)	<0.45		1.8	0.45	ng/L		03/29/24 08:13	04/01/24 13:13	1
Perfluorohexanoic acid (PFHxA)	<0.53		1.8	0.53	ng/L		03/29/24 08:13	04/01/24 13:13	1
Perfluoroheptanoic acid (PFHpA)	<0.23		1.8	0.23	ng/L		03/29/24 08:13	04/01/24 13:13	1
Perfluorooctanoic acid (PFOA)	<0.78	+	1.8	0.78	ng/L		03/29/24 08:13	04/01/24 13:13	1
Perfluorononanoic acid (PFNA)	<0.25		1.8	0.25	ng/L		03/29/24 08:13	04/01/24 13:13	1
Perfluorodecanoic acid (PFDA)	<0.29		1.8	0.29	ng/L		03/29/24 08:13	04/01/24 13:13	1
Perfluoroundecanoic acid (PFUnA)	<1.0		1.8	1.0	ng/L		03/29/24 08:13	04/01/24 13:13	1
Perfluorododecanoic acid (PFDoA)	<0.51		1.8	0.51	ng/L		03/29/24 08:13	04/01/24 13:13	1
Perfluorotridecanoic acid (PFTriA)	<1.2		1.8	1.2	ng/L		03/29/24 08:13	04/01/24 13:13	1
Perfluorotetradecanoic acid (PFTeA)	<0.67		1.8	0.67	ng/L		03/29/24 08:13	04/01/24 13:13	1
Perfluoro-n-hexadecanoic acid (PFHxDA)	<0.82		1.8	0.82	ng/L		03/29/24 08:13	04/01/24 13:13	1
Perfluoro-n-octadecanoic acid (PFODA)	<0.87		1.8	0.87	ng/L		03/29/24 08:13	04/01/24 13:13	1
Perfluorobutanesulfonic acid (PFBS)	<0.18		1.8	0.18	ng/L		03/29/24 08:13	04/01/24 13:13	1
Perfluoropentanesulfonic acid (PFPeS)	<0.28		1.8	0.28	ng/L		03/29/24 08:13	04/01/24 13:13	1
Perfluorohexanesulfonic acid (PFHxS)	<0.52		1.8	0.52	ng/L		03/29/24 08:13	04/01/24 13:13	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.17		1.8	0.17	ng/L		03/29/24 08:13	04/01/24 13:13	1
Perfluorooctanesulfonic acid (PFOS)	<0.50		1.8	0.50	ng/L		03/29/24 08:13	04/01/24 13:13	1
Perfluorononanesulfonic acid (PFNS)	<0.34		1.8	0.34	ng/L		03/29/24 08:13	04/01/24 13:13	1
Perfluorodecanesulfonic acid (PFDS)	<0.29		1.8	0.29	ng/L		03/29/24 08:13	04/01/24 13:13	1
Perfluorododecanesulfonic acid (PFDoS)	<0.89		1.8	0.89	ng/L		03/29/24 08:13	04/01/24 13:13	1
Perfluorooctanesulfonamide (FOSA)	<0.90		1.8	0.90	ng/L		03/29/24 08:13	04/01/24 13:13	1
NEtFOSA	<0.80		1.8	0.80	ng/L		03/29/24 08:13	04/01/24 13:13	1
NMeFOSA	<0.40		1.8	0.40	ng/L		03/29/24 08:13	04/01/24 13:13	1
NMeFOSAA	<1.1		4.6	1.1	ng/L		03/29/24 08:13	04/01/24 13:13	1
NEtFOSAA	<1.2		4.6	1.2	ng/L		03/29/24 08:13	04/01/24 13:13	1
NMeFOSE	<1.3		3.7	1.3	ng/L		03/29/24 08:13	04/01/24 13:13	1
NEtFOSE	<0.78		1.8	0.78	ng/L		03/29/24 08:13	04/01/24 13:13	1
4:2 FTS	<0.22		1.8	0.22	ng/L		03/29/24 08:13	04/01/24 13:13	1
6:2 FTS	<2.3		4.6	2.3	ng/L		03/29/24 08:13	04/01/24 13:13	1
10:2 FTS	<0.62		1.8	0.62	ng/L		03/29/24 08:13	04/01/24 13:13	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.37		1.8	0.37	ng/L		03/29/24 08:13	04/01/24 13:13	1
HFPO-DA (GenX)	<1.4		3.7	1.4	ng/L		03/29/24 08:13	04/01/24 13:13	1
F-53B Major	<0.22		1.8	0.22	ng/L		03/29/24 08:13	04/01/24 13:13	1
F-53B Minor	<0.29		1.8	0.29	ng/L		03/29/24 08:13	04/01/24 13:13	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C4 PFBA	97		25 - 150				03/29/24 08:13	04/01/24 13:13	1
13C5 PFPeA	108		25 - 150				03/29/24 08:13	04/01/24 13:13	1
13C2 PFHxA	108		25 - 150				03/29/24 08:13	04/01/24 13:13	1
13C4 PFHpA	103		25 - 150				03/29/24 08:13	04/01/24 13:13	1
13C4 PFOA	99		25 - 150				03/29/24 08:13	04/01/24 13:13	1
13C5 PFNA	106		25 - 150				03/29/24 08:13	04/01/24 13:13	1
13C2 PFDA	115		25 - 150				03/29/24 08:13	04/01/24 13:13	1
13C2 PFUnA	103		25 - 150				03/29/24 08:13	04/01/24 13:13	1
13C2 PFDoA	102		25 - 150				03/29/24 08:13	04/01/24 13:13	1

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# Client Sample Results

Client: Stantec Consulting Corporation  
 Project/Site: Chilton Plating - 193709334

Job ID: 500-248044-1

**Client Sample ID: EB1**

**Lab Sample ID: 500-248044-15**

**Date Collected: 03/21/24 11:50**

**Matrix: Water**

**Date Received: 03/26/24 09:30**

**Method: EPA 537 (modified) - Fluorinated Alkyl Substances (Continued)**

<u>Isotope Dilution</u>	<u>%Recovery</u>	<u>Qualifier</u>	<u>Limits</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Dil Fac</u>
13C2 PFTeDA	107		25 - 150	03/29/24 08:13	04/01/24 13:13	1
13C2 PFHxDA	96		25 - 150	03/29/24 08:13	04/01/24 13:13	1
13C3 PFBS	109		25 - 150	03/29/24 08:13	04/01/24 13:13	1
18O2 PFHxS	115		25 - 150	03/29/24 08:13	04/01/24 13:13	1
13C4 PFOS	103		25 - 150	03/29/24 08:13	04/01/24 13:13	1
13C8 FOSA	104		10 - 150	03/29/24 08:13	04/01/24 13:13	1
d3-NMeFOSAA	87		25 - 150	03/29/24 08:13	04/01/24 13:13	1
d5-NEtFOSAA	117		25 - 150	03/29/24 08:13	04/01/24 13:13	1
d-N-MeFOSA-M	63		10 - 150	03/29/24 08:13	04/01/24 13:13	1
d-N-EtFOSA-M	88		10 - 150	03/29/24 08:13	04/01/24 13:13	1
d7-N-MeFOSE-M	76		10 - 150	03/29/24 08:13	04/01/24 13:13	1
d9-N-EtFOSE-M	105		10 - 150	03/29/24 08:13	04/01/24 13:13	1
M2-4:2 FTS	115		25 - 150	03/29/24 08:13	04/01/24 13:13	1
M2-6:2 FTS	110		25 - 150	03/29/24 08:13	04/01/24 13:13	1
13C3 HFPO-DA	109		25 - 150	03/29/24 08:13	04/01/24 13:13	1
13C2 10:2 FTS	139		25 - 150	03/29/24 08:13	04/01/24 13:13	1

**Method: EPA 537 (modified) - Fluorinated Alkyl Substances - RA**

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>RL</u>	<u>MDL</u>	<u>Unit</u>	<u>D</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Dil Fac</u>
8:2 FTS	<0.42		1.8	0.42	ng/L		03/29/24 08:13	04/02/24 17:39	1

<u>Isotope Dilution</u>	<u>%Recovery</u>	<u>Qualifier</u>	<u>Limits</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Dil Fac</u>
M2-8:2 FTS	147		25 - 150	03/29/24 08:13	04/02/24 17:39	1



# Client Sample Results

Client: Stantec Consulting Corporation  
 Project/Site: Chilton Plating - 193709334

Job ID: 500-248044-1

**Client Sample ID: DUP-1**

**Lab Sample ID: 500-248044-16**

Date Collected: 03/21/24 15:31

Matrix: Water

Date Received: 03/26/24 09:30

**Method: EPA 537 (modified) - Fluorinated Alkyl Substances**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	18		4.8	2.3	ng/L		03/29/24 08:13	04/01/24 13:23	1
Perfluoropentanoic acid (PFPeA)	48		1.9	0.47	ng/L		03/29/24 08:13	04/01/24 13:23	1
Perfluorohexanoic acid (PFHxA)	25		1.9	0.56	ng/L		03/29/24 08:13	04/01/24 13:23	1
Perfluoroheptanoic acid (PFHpA)	13		1.9	0.24	ng/L		03/29/24 08:13	04/01/24 13:23	1
Perfluorononanoic acid (PFNA)	0.67	J	1.9	0.26	ng/L		03/29/24 08:13	04/01/24 13:23	1
Perfluorodecanoic acid (PFDA)	<0.30		1.9	0.30	ng/L		03/29/24 08:13	04/01/24 13:23	1
Perfluoroundecanoic acid (PFUnA)	<1.1		1.9	1.1	ng/L		03/29/24 08:13	04/01/24 13:23	1
Perfluorododecanoic acid (PFDoA)	<0.53		1.9	0.53	ng/L		03/29/24 08:13	04/01/24 13:23	1
Perfluorotridecanoic acid (PFTriA)	<1.3		1.9	1.3	ng/L		03/29/24 08:13	04/01/24 13:23	1
Perfluorotetradecanoic acid (PFTeA)	<0.70		1.9	0.70	ng/L		03/29/24 08:13	04/01/24 13:23	1
Perfluoro-n-hexadecanoic acid (PFHxDA)	<0.86		1.9	0.86	ng/L		03/29/24 08:13	04/01/24 13:23	1
Perfluoro-n-octadecanoic acid (PFODA)	<0.91		1.9	0.91	ng/L		03/29/24 08:13	04/01/24 13:23	1
Perfluorobutanesulfonic acid (PFBS)	9.1		1.9	0.19	ng/L		03/29/24 08:13	04/01/24 13:23	1
Perfluoropentanesulfonic acid (PFPeS)	3.5		1.9	0.29	ng/L		03/29/24 08:13	04/01/24 13:23	1
Perfluorohexanesulfonic acid (PFHxS)	25		1.9	0.55	ng/L		03/29/24 08:13	04/01/24 13:23	1
Perfluoroheptanesulfonic acid (PFHpS)	17		1.9	0.18	ng/L		03/29/24 08:13	04/01/24 13:23	1
Perfluorononanesulfonic acid (PFNS)	<0.36		1.9	0.36	ng/L		03/29/24 08:13	04/01/24 13:23	1
Perfluorodecanesulfonic acid (PFDS)	<0.31		1.9	0.31	ng/L		03/29/24 08:13	04/01/24 13:23	1
Perfluorododecanesulfonic acid (PFDoS)	<0.93		1.9	0.93	ng/L		03/29/24 08:13	04/01/24 13:23	1
Perfluorooctanesulfonamide (FOSA)	<0.94		1.9	0.94	ng/L		03/29/24 08:13	04/01/24 13:23	1
NEtFOSA	<0.84		1.9	0.84	ng/L		03/29/24 08:13	04/01/24 13:23	1
NMeFOSA	<0.41		1.9	0.41	ng/L		03/29/24 08:13	04/01/24 13:23	1
NMeFOSAA	<1.2		4.8	1.2	ng/L		03/29/24 08:13	04/01/24 13:23	1
NEtFOSAA	<1.3		4.8	1.3	ng/L		03/29/24 08:13	04/01/24 13:23	1
NMeFOSE	<1.3		3.9	1.3	ng/L		03/29/24 08:13	04/01/24 13:23	1
NEtFOSE	<0.82		1.9	0.82	ng/L		03/29/24 08:13	04/01/24 13:23	1
4:2 FTS	<0.23		1.9	0.23	ng/L		03/29/24 08:13	04/01/24 13:23	1
6:2 FTS	4.1	J	4.8	2.4	ng/L		03/29/24 08:13	04/01/24 13:23	1
8:2 FTS	<0.44		1.9	0.44	ng/L		03/29/24 08:13	04/01/24 13:23	1
10:2 FTS	<0.65		1.9	0.65	ng/L		03/29/24 08:13	04/01/24 13:23	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.39		1.9	0.39	ng/L		03/29/24 08:13	04/01/24 13:23	1
HFPO-DA (GenX)	<1.4		3.9	1.4	ng/L		03/29/24 08:13	04/01/24 13:23	1
F-53B Major	<0.23		1.9	0.23	ng/L		03/29/24 08:13	04/01/24 13:23	1
F-53B Minor	<0.31		1.9	0.31	ng/L		03/29/24 08:13	04/01/24 13:23	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	79		25 - 150	03/29/24 08:13	04/01/24 13:23	1
13C5 PFPeA	89		25 - 150	03/29/24 08:13	04/01/24 13:23	1
13C2 PFHxA	102		25 - 150	03/29/24 08:13	04/01/24 13:23	1
13C4 PFHpA	103		25 - 150	03/29/24 08:13	04/01/24 13:23	1
13C5 PFNA	90		25 - 150	03/29/24 08:13	04/01/24 13:23	1
13C2 PFDA	105		25 - 150	03/29/24 08:13	04/01/24 13:23	1
13C2 PFUnA	90		25 - 150	03/29/24 08:13	04/01/24 13:23	1
13C2 PFDoA	94		25 - 150	03/29/24 08:13	04/01/24 13:23	1

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# Client Sample Results

Client: Stantec Consulting Corporation  
 Project/Site: Chilton Plating - 193709334

Job ID: 500-248044-1

**Client Sample ID: DUP-1**

**Lab Sample ID: 500-248044-16**

**Date Collected: 03/21/24 15:31**

**Matrix: Water**

**Date Received: 03/26/24 09:30**

**Method: EPA 537 (modified) - Fluorinated Alkyl Substances (Continued)**

<i>Isotope Dilution</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
13C2 PFTeDA	93		25 - 150	03/29/24 08:13	04/01/24 13:23	1
13C2 PFHxDA	97		25 - 150	03/29/24 08:13	04/01/24 13:23	1
13C3 PFBS	94		25 - 150	03/29/24 08:13	04/01/24 13:23	1
18O2 PFHxS	105		25 - 150	03/29/24 08:13	04/01/24 13:23	1
13C4 PFOS	97		25 - 150	03/29/24 08:13	04/01/24 13:23	1
13C8 FOSA	104		10 - 150	03/29/24 08:13	04/01/24 13:23	1
d3-NMeFOSAA	96		25 - 150	03/29/24 08:13	04/01/24 13:23	1
d5-NEtFOSAA	104		25 - 150	03/29/24 08:13	04/01/24 13:23	1
d-N-MeFOSA-M	93		10 - 150	03/29/24 08:13	04/01/24 13:23	1
d-N-EtFOSA-M	94		10 - 150	03/29/24 08:13	04/01/24 13:23	1
d7-N-MeFOSE-M	101		10 - 150	03/29/24 08:13	04/01/24 13:23	1
d9-N-EtFOSE-M	100		10 - 150	03/29/24 08:13	04/01/24 13:23	1
M2-4:2 FTS	101		25 - 150	03/29/24 08:13	04/01/24 13:23	1
M2-6:2 FTS	115		25 - 150	03/29/24 08:13	04/01/24 13:23	1
M2-8:2 FTS	109		25 - 150	03/29/24 08:13	04/01/24 13:23	1
13C3 HFPO-DA	106		25 - 150	03/29/24 08:13	04/01/24 13:23	1
13C2 10:2 FTS	102		25 - 150	03/29/24 08:13	04/01/24 13:23	1

**Method: EPA 537 (modified) - Fluorinated Alkyl Substances - DL**

<i>Analyte</i>	<i>Result</i>	<i>Qualifier</i>	<i>RL</i>	<i>MDL</i>	<i>Unit</i>	<i>D</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
<b>Perfluorooctanesulfonic acid (PFOS)</b>	<b>2400</b>		19	5.2	ng/L		03/29/24 08:13	04/02/24 17:49	10
<i>Isotope Dilution</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>			
13C4 PFOS	91		25 - 150	03/29/24 08:13	04/02/24 17:49	10			

**Method: EPA 537 (modified) - Fluorinated Alkyl Substances - RE**

<i>Analyte</i>	<i>Result</i>	<i>Qualifier</i>	<i>RL</i>	<i>MDL</i>	<i>Unit</i>	<i>D</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
<b>Perfluorooctanoic acid (PFOA)</b>	<b>13</b>		1.9	0.83	ng/L		04/03/24 11:51	04/04/24 15:45	1
<i>Isotope Dilution</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>			
13C4 PFOA	102		25 - 150	04/03/24 11:51	04/04/24 15:45	1			

# Definitions/Glossary

Client: Stantec Consulting Corporation  
Project/Site: Chilton Plating - 193709334

Job ID: 500-248044-1

## Qualifiers

### LCMS

Qualifier	Qualifier Description
*+	LCS and/or LCSD is outside acceptance limits, high biased.
I	Value is EMPC (estimated maximum possible concentration).
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

## 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

# QC Association Summary

Client: Stantec Consulting Corporation  
 Project/Site: Chilton Plating - 193709334

Job ID: 500-248044-1

## LCMS

### Prep Batch: 750230

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-248044-1	SMW-3	Total/NA	Water	3535	
500-248044-2 - DL	SMW-5	Total/NA	Water	3535	
500-248044-2	SMW-5	Total/NA	Water	3535	
500-248044-2 - RA	SMW-5	Total/NA	Water	3535	
500-248044-3	CPPZ105	Total/NA	Water	3535	
500-248044-4	SMW-6	Total/NA	Water	3535	
500-248044-5 - DL	CPMW03	Total/NA	Water	3535	
500-248044-5	CPMW03	Total/NA	Water	3535	
500-248044-5 - RA	CPMW03	Total/NA	Water	3535	
500-248044-6 - DL	SMW01	Total/NA	Water	3535	
500-248044-6	SMW01	Total/NA	Water	3535	
500-248044-7 - DL	CPMW02	Total/NA	Water	3535	
500-248044-7	CPMW02	Total/NA	Water	3535	
500-248044-8	SMW-2	Total/NA	Water	3535	
500-248044-9	SPZ-1	Total/NA	Water	3535	
500-248044-10	CPMW04A	Total/NA	Water	3535	
500-248044-10 - DL	CPMW04A	Total/NA	Water	3535	
500-248044-11	GSMW103	Total/NA	Water	3535	
500-248044-12	SMW-7	Total/NA	Water	3535	
MB 320-750230/1-A	Method Blank	Total/NA	Water	3535	
LLCS 320-750230/2-A	Lab Control Sample	Total/NA	Water	3535	
LLCSD 320-750230/3-A	Lab Control Sample Dup	Total/NA	Water	3535	

### Analysis Batch: 750954

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-248044-1	SMW-3	Total/NA	Water	537 (modified)	750230
500-248044-4	SMW-6	Total/NA	Water	537 (modified)	750230
500-248044-6	SMW01	Total/NA	Water	537 (modified)	750230
500-248044-7	CPMW02	Total/NA	Water	537 (modified)	750230
500-248044-8	SMW-2	Total/NA	Water	537 (modified)	750230
500-248044-9	SPZ-1	Total/NA	Water	537 (modified)	750230
500-248044-10	CPMW04A	Total/NA	Water	537 (modified)	750230
500-248044-11	GSMW103	Total/NA	Water	537 (modified)	750230
500-248044-12	SMW-7	Total/NA	Water	537 (modified)	750230
MB 320-750230/1-A	Method Blank	Total/NA	Water	537 (modified)	750230
LLCS 320-750230/2-A	Lab Control Sample	Total/NA	Water	537 (modified)	750230
LLCSD 320-750230/3-A	Lab Control Sample Dup	Total/NA	Water	537 (modified)	750230

### Prep Batch: 751053

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-248044-13	CPPZ104	Total/NA	Water	3535	
500-248044-14	GSPZ103	Total/NA	Water	3535	
500-248044-15	EB1	Total/NA	Water	3535	
500-248044-15 - RA	EB1	Total/NA	Water	3535	
500-248044-16	DUP-1	Total/NA	Water	3535	
500-248044-16 - DL	DUP-1	Total/NA	Water	3535	
MB 320-751053/1-A	Method Blank	Total/NA	Water	3535	
LCS 320-751053/3-A	Lab Control Sample	Total/NA	Water	3535	
LCSD 320-751053/4-A	Lab Control Sample Dup	Total/NA	Water	3535	
LLCS 320-751053/2-A	Lab Control Sample	Total/NA	Water	3535	

# QC Association Summary

Client: Stantec Consulting Corporation  
Project/Site: Chilton Plating - 193709334

Job ID: 500-248044-1

## LCMS

### Analysis Batch: 751259

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-248044-2 - DL	SMW-5	Total/NA	Water	537 (modified)	750230
500-248044-2	SMW-5	Total/NA	Water	537 (modified)	750230
500-248044-3	CPPZ105	Total/NA	Water	537 (modified)	750230
500-248044-5 - DL	CPMW03	Total/NA	Water	537 (modified)	750230
500-248044-5	CPMW03	Total/NA	Water	537 (modified)	750230
500-248044-6 - DL	SMW01	Total/NA	Water	537 (modified)	750230
500-248044-7 - DL	CPMW02	Total/NA	Water	537 (modified)	750230
500-248044-10 - DL	CPMW04A	Total/NA	Water	537 (modified)	750230

### Analysis Batch: 751550

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-248044-13	CPPZ104	Total/NA	Water	537 (modified)	751053
500-248044-14	GSPZ103	Total/NA	Water	537 (modified)	751053
500-248044-15	EB1	Total/NA	Water	537 (modified)	751053
500-248044-16	DUP-1	Total/NA	Water	537 (modified)	751053
MB 320-751053/1-A	Method Blank	Total/NA	Water	537 (modified)	751053
LCS 320-751053/3-A	Lab Control Sample	Total/NA	Water	537 (modified)	751053
LLCS 320-751053/4-A	Lab Control Sample Dup	Total/NA	Water	537 (modified)	751053
LLCS 320-751053/2-A	Lab Control Sample	Total/NA	Water	537 (modified)	751053

### Analysis Batch: 751582

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-248044-2 - RA	SMW-5	Total/NA	Water	537 (modified)	750230
500-248044-5 - RA	CPMW03	Total/NA	Water	537 (modified)	750230

### Analysis Batch: 751846

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-248044-15 - RA	EB1	Total/NA	Water	537 (modified)	751053
500-248044-16 - DL	DUP-1	Total/NA	Water	537 (modified)	751053

### Prep Batch: 752056

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-248044-16 - RE	DUP-1	Total/NA	Water	3535	
MB 320-752056/1-A	Method Blank	Total/NA	Water	3535	
LLCS 320-752056/2-A	Lab Control Sample	Total/NA	Water	3535	
LLCS 320-752056/3-A	Lab Control Sample Dup	Total/NA	Water	3535	

### Analysis Batch: 752424

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-248044-16 - RE	DUP-1	Total/NA	Water	537 (modified)	752056
MB 320-752056/1-A	Method Blank	Total/NA	Water	537 (modified)	752056
LLCS 320-752056/2-A	Lab Control Sample	Total/NA	Water	537 (modified)	752056
LLCS 320-752056/3-A	Lab Control Sample Dup	Total/NA	Water	537 (modified)	752056



# QC Sample Results

Client: Stantec Consulting Corporation  
 Project/Site: Chilton Plating - 193709334

Job ID: 500-248044-1

## Method: 537 (modified) - Fluorinated Alkyl Substances

**Lab Sample ID: MB 320-750230/1-A**  
**Matrix: Water**  
**Analysis Batch: 750954**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 750230**

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Perfluorobutanoic acid (PFBA)	<2.4		5.0	2.4	ng/L		03/27/24 05:06	03/28/24 19:28	1
Perfluoropentanoic acid (PFPeA)	<0.49		2.0	0.49	ng/L		03/27/24 05:06	03/28/24 19:28	1
Perfluorohexanoic acid (PFHxA)	<0.58		2.0	0.58	ng/L		03/27/24 05:06	03/28/24 19:28	1
Perfluoroheptanoic acid (PFHpA)	<0.25		2.0	0.25	ng/L		03/27/24 05:06	03/28/24 19:28	1
Perfluorooctanoic acid (PFOA)	<0.85		2.0	0.85	ng/L		03/27/24 05:06	03/28/24 19:28	1
Perfluorononanoic acid (PFNA)	<0.27		2.0	0.27	ng/L		03/27/24 05:06	03/28/24 19:28	1
Perfluorodecanoic acid (PFDA)	<0.31		2.0	0.31	ng/L		03/27/24 05:06	03/28/24 19:28	1
Perfluoroundecanoic acid (PFUnA)	<1.1		2.0	1.1	ng/L		03/27/24 05:06	03/28/24 19:28	1
Perfluorododecanoic acid (PFDoA)	<0.55		2.0	0.55	ng/L		03/27/24 05:06	03/28/24 19:28	1
Perfluorotridecanoic acid (PFTriA)	<1.3		2.0	1.3	ng/L		03/27/24 05:06	03/28/24 19:28	1
Perfluorotetradecanoic acid (PFTeA)	<0.73		2.0	0.73	ng/L		03/27/24 05:06	03/28/24 19:28	1
Perfluoro-n-hexadecanoic acid (PFHxDA)	<0.89		2.0	0.89	ng/L		03/27/24 05:06	03/28/24 19:28	1
Perfluoro-n-octadecanoic acid (PFODA)	<0.94		2.0	0.94	ng/L		03/27/24 05:06	03/28/24 19:28	1
Perfluorobutanesulfonic acid (PFBS)	<0.20		2.0	0.20	ng/L		03/27/24 05:06	03/28/24 19:28	1
Perfluoropentanesulfonic acid (PFPeS)	<0.30		2.0	0.30	ng/L		03/27/24 05:06	03/28/24 19:28	1
Perfluorohexanesulfonic acid (PFHxS)	<0.57		2.0	0.57	ng/L		03/27/24 05:06	03/28/24 19:28	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.19		2.0	0.19	ng/L		03/27/24 05:06	03/28/24 19:28	1
Perfluorooctanesulfonic acid (PFOS)	<0.54		2.0	0.54	ng/L		03/27/24 05:06	03/28/24 19:28	1
Perfluorononanesulfonic acid (PFNS)	<0.37		2.0	0.37	ng/L		03/27/24 05:06	03/28/24 19:28	1
Perfluorodecanesulfonic acid (PFDS)	<0.32		2.0	0.32	ng/L		03/27/24 05:06	03/28/24 19:28	1
Perfluorododecanesulfonic acid (PFDoS)	<0.97		2.0	0.97	ng/L		03/27/24 05:06	03/28/24 19:28	1
Perfluorooctanesulfonamide (FOSA)	<0.98		2.0	0.98	ng/L		03/27/24 05:06	03/28/24 19:28	1
NEtFOSA	<0.87		2.0	0.87	ng/L		03/27/24 05:06	03/28/24 19:28	1
NMeFOSA	<0.43		2.0	0.43	ng/L		03/27/24 05:06	03/28/24 19:28	1
NMeFOSAA	<1.2		5.0	1.2	ng/L		03/27/24 05:06	03/28/24 19:28	1
NEtFOSAA	<1.3		5.0	1.3	ng/L		03/27/24 05:06	03/28/24 19:28	1
NMeFOSE	<1.4		4.0	1.4	ng/L		03/27/24 05:06	03/28/24 19:28	1
NEtFOSE	<0.85		2.0	0.85	ng/L		03/27/24 05:06	03/28/24 19:28	1
4:2 FTS	<0.24		2.0	0.24	ng/L		03/27/24 05:06	03/28/24 19:28	1
6:2 FTS	<2.5		5.0	2.5	ng/L		03/27/24 05:06	03/28/24 19:28	1
8:2 FTS	<0.46		2.0	0.46	ng/L		03/27/24 05:06	03/28/24 19:28	1
10:2 FTS	<0.67		2.0	0.67	ng/L		03/27/24 05:06	03/28/24 19:28	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.40		2.0	0.40	ng/L		03/27/24 05:06	03/28/24 19:28	1
HFPO-DA (GenX)	<1.5		4.0	1.5	ng/L		03/27/24 05:06	03/28/24 19:28	1
F-53B Major	<0.24		2.0	0.24	ng/L		03/27/24 05:06	03/28/24 19:28	1
F-53B Minor	<0.32		2.0	0.32	ng/L		03/27/24 05:06	03/28/24 19:28	1
Isotope Dilution	MB	MB	Limits	Prepared	Analyzed	Dil Fac			
	%Recovery	Qualifier							
13C4 PFBA	55		25 - 150	03/27/24 05:06	03/28/24 19:28	1			
13C5 PFPeA	52		25 - 150	03/27/24 05:06	03/28/24 19:28	1			
13C2 PFHxA	53		25 - 150	03/27/24 05:06	03/28/24 19:28	1			
13C4 PFHpA	54		25 - 150	03/27/24 05:06	03/28/24 19:28	1			
13C4 PFOA	61		25 - 150	03/27/24 05:06	03/28/24 19:28	1			
13C5 PFNA	58		25 - 150	03/27/24 05:06	03/28/24 19:28	1			

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# QC Sample Results

Client: Stantec Consulting Corporation  
 Project/Site: Chilton Plating - 193709334

Job ID: 500-248044-1

## Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

**Lab Sample ID: MB 320-750230/1-A**  
**Matrix: Water**  
**Analysis Batch: 750954**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 750230**

Isotope Dilution	MB MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
13C2 PFDA	59		25 - 150	03/27/24 05:06	03/28/24 19:28	1
13C2 PFUnA	55		25 - 150	03/27/24 05:06	03/28/24 19:28	1
13C2 PFDoA	56		25 - 150	03/27/24 05:06	03/28/24 19:28	1
13C2 PFTeDA	57		25 - 150	03/27/24 05:06	03/28/24 19:28	1
13C2 PFHxDA	53		25 - 150	03/27/24 05:06	03/28/24 19:28	1
13C3 PFBS	55		25 - 150	03/27/24 05:06	03/28/24 19:28	1
18O2 PFHxS	53		25 - 150	03/27/24 05:06	03/28/24 19:28	1
13C4 PFOS	57		25 - 150	03/27/24 05:06	03/28/24 19:28	1
13C8 FOSA	57		10 - 150	03/27/24 05:06	03/28/24 19:28	1
d3-NMeFOSAA	67		25 - 150	03/27/24 05:06	03/28/24 19:28	1
d5-NEtFOSAA	62		25 - 150	03/27/24 05:06	03/28/24 19:28	1
d-N-MeFOSA-M	43		10 - 150	03/27/24 05:06	03/28/24 19:28	1
d-N-EtFOSA-M	47		10 - 150	03/27/24 05:06	03/28/24 19:28	1
d7-N-MeFOSE-M	50		10 - 150	03/27/24 05:06	03/28/24 19:28	1
d9-N-EtFOSE-M	52		10 - 150	03/27/24 05:06	03/28/24 19:28	1
M2-4:2 FTS	49		25 - 150	03/27/24 05:06	03/28/24 19:28	1
M2-6:2 FTS	61		25 - 150	03/27/24 05:06	03/28/24 19:28	1
M2-8:2 FTS	75		25 - 150	03/27/24 05:06	03/28/24 19:28	1
13C3 HFPO-DA	48		25 - 150	03/27/24 05:06	03/28/24 19:28	1
13C2 10:2 FTS	70		25 - 150	03/27/24 05:06	03/28/24 19:28	1

**Lab Sample ID: LLCS 320-750230/2-A**  
**Matrix: Water**  
**Analysis Batch: 750954**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 750230**

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluoropentanoic acid (PFPeA)	8.00	9.91		ng/L		124	50 - 150
Perfluorohexanoic acid (PFHxA)	8.00	10.5		ng/L		131	50 - 150
Perfluoroheptanoic acid (PFHpA)	8.00	10.5		ng/L		131	50 - 150
Perfluorooctanoic acid (PFOA)	8.00	9.70		ng/L		121	50 - 150
Perfluorononanoic acid (PFNA)	8.00	10.3		ng/L		129	50 - 150
Perfluorodecanoic acid (PFDA)	8.00	9.30		ng/L		116	50 - 150
Perfluoroundecanoic acid (PFUnA)	8.00	10.5		ng/L		131	50 - 150
Perfluorododecanoic acid (PFDoA)	8.00	9.57		ng/L		120	50 - 150
Perfluorotridecanoic acid (PFTriA)	8.00	8.29		ng/L		104	50 - 150
Perfluorotetradecanoic acid (PFTeA)	8.00	8.56		ng/L		107	50 - 150
Perfluoro-n-hexadecanoic acid (PFHxDA)	8.00	8.55		ng/L		107	50 - 150
Perfluoro-n-octadecanoic acid (PFODA)	8.00	7.21		ng/L		90	50 - 150
Perfluorobutanesulfonic acid (PFBS)	7.10	8.68		ng/L		122	50 - 150
Perfluoropentanesulfonic acid (PFPeS)	7.52	8.94		ng/L		119	50 - 150
Perfluorohexanesulfonic acid (PFHxS)	7.30	8.42		ng/L		115	50 - 150

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# QC Sample Results

Client: Stantec Consulting Corporation  
 Project/Site: Chilton Plating - 193709334

Job ID: 500-248044-1

## Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

**Lab Sample ID: LLCS 320-750230/2-A**  
**Matrix: Water**  
**Analysis Batch: 750954**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 750230**

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluoroheptanesulfonic acid (PFHpS)	7.63	10.4		ng/L		136	50 - 150
Perfluorooctanesulfonic acid (PFOS)	7.44	8.49		ng/L		114	50 - 150
Perfluorononanesulfonic acid (PFNS)	7.70	8.90		ng/L		116	50 - 150
Perfluorodecanesulfonic acid (PFDS)	7.71	8.10		ng/L		105	50 - 150
Perfluorododecanesulfonic acid (PFDoS)	7.76	7.91		ng/L		102	50 - 150
Perfluorooctanesulfonamide (FOSA)	8.00	9.54		ng/L		119	50 - 150
NEtFOSA	8.00	9.18		ng/L		115	50 - 150
NMeFOSA	8.00	8.94		ng/L		112	50 - 150
NMeFOSAA	8.00	9.61		ng/L		120	50 - 150
NEtFOSAA	8.00	9.42		ng/L		118	50 - 150
NMeFOSE	8.00	9.84		ng/L		123	50 - 150
NEtFOSE	8.00	9.50		ng/L		119	50 - 150
4:2 FTS	7.50	9.02		ng/L		120	50 - 150
6:2 FTS	7.62	9.34		ng/L		123	50 - 150
8:2 FTS	7.68	8.88		ng/L		116	50 - 150
10:2 FTS	7.73	8.63		ng/L		112	50 - 150
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	7.57	10.1		ng/L		134	50 - 150
HFPO-DA (GenX)	8.00	8.93		ng/L		112	50 - 150
F-53B Major	7.47	9.87		ng/L		132	50 - 150
F-53B Minor	7.55	8.81		ng/L		117	50 - 150

Isotope Dilution	LLCS		Limits
	%Recovery	Qualifier	
13C4 PFBA	64		25 - 150
13C5 PFPeA	59		25 - 150
13C2 PFHxA	61		25 - 150
13C4 PFHpA	61		25 - 150
13C4 PFOA	67		25 - 150
13C5 PFNA	63		25 - 150
13C2 PFDA	63		25 - 150
13C2 PFUnA	57		25 - 150
13C2 PFDoA	61		25 - 150
13C2 PFTeDA	58		25 - 150
13C2 PFHxDA	56		25 - 150
13C3 PFBS	61		25 - 150
18O2 PFHxS	62		25 - 150
13C4 PFOS	58		25 - 150
13C8 FOSA	60		10 - 150
d3-NMeFOSAA	68		25 - 150
d5-NEtFOSAA	71		25 - 150
d-N-MeFOSA-M	51		10 - 150
d-N-EtFOSA-M	50		10 - 150
d7-N-MeFOSE-M	54		10 - 150
d9-N-EtFOSE-M	55		10 - 150

# QC Sample Results

Client: Stantec Consulting Corporation  
 Project/Site: Chilton Plating - 193709334

Job ID: 500-248044-1

## Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

**Lab Sample ID: LLCS 320-750230/2-A**  
**Matrix: Water**  
**Analysis Batch: 750954**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 750230**

Isotope Dilution	LLCS		Limits
	%Recovery	Qualifier	
M2-4:2 FTS	59		25 - 150
M2-6:2 FTS	74		25 - 150
M2-8:2 FTS	78		25 - 150
13C3 HFPO-DA	55		25 - 150
13C2 10:2 FTS	77		25 - 150

**Lab Sample ID: LLCSD 320-750230/3-A**  
**Matrix: Water**  
**Analysis Batch: 750954**

**Client Sample ID: Lab Control Sample Dup**  
**Prep Type: Total/NA**  
**Prep Batch: 750230**

Analyte	Spike Added	LLCSD Result	LLCSD Qualifier	Unit	D	%Rec	%Rec		RPD	Limit
							Limits	RPD		
Perfluorobutanoic acid (PFBA)	8.00	10.1		ng/L		126	50 - 150	5	30	
Perfluoropentanoic acid (PFPeA)	8.00	8.87		ng/L		111	50 - 150	11	30	
Perfluorohexanoic acid (PFHxA)	8.00	9.96		ng/L		125	50 - 150	5	30	
Perfluoroheptanoic acid (PFHpA)	8.00	10.4		ng/L		130	50 - 150	0.3	30	
Perfluorooctanoic acid (PFOA)	8.00	9.47		ng/L		118	50 - 150	2	30	
Perfluorononanoic acid (PFNA)	8.00	9.90		ng/L		124	50 - 150	4	30	
Perfluorodecanoic acid (PFDA)	8.00	8.84		ng/L		111	50 - 150	5	30	
Perfluoroundecanoic acid (PFUnA)	8.00	10.1		ng/L		127	50 - 150	3	30	
Perfluorododecanoic acid (PFDoA)	8.00	9.49		ng/L		119	50 - 150	0.9	30	
Perfluorotridecanoic acid (PFTriA)	8.00	8.26		ng/L		103	50 - 150	0.4	30	
Perfluorotetradecanoic acid (PFTeA)	8.00	8.73		ng/L		109	50 - 150	2	30	
Perfluoro-n-hexadecanoic acid (PFHxDA)	8.00	8.79		ng/L		110	50 - 150	3	30	
Perfluoro-n-octadecanoic acid (PFODA)	8.00	5.49		ng/L		69	50 - 150	27	30	
Perfluorobutanesulfonic acid (PFBS)	7.10	8.83		ng/L		124	50 - 150	2	30	
Perfluoropentanesulfonic acid (PFPeS)	7.52	8.44		ng/L		112	50 - 150	6	30	
Perfluorohexanesulfonic acid (PFHxS)	7.30	7.80		ng/L		107	50 - 150	8	30	
Perfluoroheptanesulfonic acid (PFHpS)	7.63	9.63		ng/L		126	50 - 150	8	30	
Perfluorooctanesulfonic acid (PFOS)	7.44	8.58		ng/L		115	50 - 150	1	30	
Perfluorononanesulfonic acid (PFNS)	7.70	8.67		ng/L		113	50 - 150	3	30	
Perfluorodecanesulfonic acid (PFDS)	7.71	7.36		ng/L		95	50 - 150	10	30	
Perfluorododecanesulfonic acid (PFDoS)	7.76	8.06		ng/L		104	50 - 150	2	30	
Perfluorooctanesulfonamide (FOSA)	8.00	9.05		ng/L		113	50 - 150	5	30	
NEtFOSA	8.00	9.24		ng/L		116	50 - 150	0.7	30	
NMeFOSA	8.00	9.17		ng/L		115	50 - 150	3	30	
NMeFOSAA	8.00	9.47		ng/L		118	50 - 150	1	30	
NEtFOSAA	8.00	9.34		ng/L		117	50 - 150	0.9	30	
NMeFOSE	8.00	9.54		ng/L		119	50 - 150	3	30	

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# QC Sample Results

Client: Stantec Consulting Corporation  
 Project/Site: Chilton Plating - 193709334

Job ID: 500-248044-1

## Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

**Lab Sample ID: LLCSD 320-750230/3-A**  
**Matrix: Water**  
**Analysis Batch: 750954**

**Client Sample ID: Lab Control Sample Dup**  
**Prep Type: Total/NA**  
**Prep Batch: 750230**

Analyte	Spike Added	LLCSD Result	LLCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
NETFOSE	8.00	8.71		ng/L		109	50 - 150	9	30
4:2 FTS	7.50	9.20		ng/L		123	50 - 150	2	30
6:2 FTS	7.62	9.39		ng/L		123	50 - 150	0.5	30
8:2 FTS	7.68	9.25		ng/L		120	50 - 150	4	30
10:2 FTS	7.73	8.76		ng/L		113	50 - 150	2	30
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	7.57	9.57		ng/L		126	50 - 150	5	30
HFPO-DA (GenX)	8.00	9.83		ng/L		123	50 - 150	10	30
F-53B Major	7.47	9.25		ng/L		124	50 - 150	6	30
F-53B Minor	7.55	8.00		ng/L		106	50 - 150	10	30

Isotope Dilution	LLCSD %Recovery	LLCSD Qualifier	LLCSD Limits
13C4 PFBA	61		25 - 150
13C5 PFPeA	62		25 - 150
13C2 PFHxA	60		25 - 150
13C4 PFHpA	62		25 - 150
13C4 PFOA	67		25 - 150
13C5 PFNA	65		25 - 150
13C2 PFDA	65		25 - 150
13C2 PFUnA	58		25 - 150
13C2 PFDoA	63		25 - 150
13C2 PFTeDA	57		25 - 150
13C2 PFHxDA	60		25 - 150
13C3 PFBS	58		25 - 150
18O2 PFHxS	61		25 - 150
13C4 PFOS	60		25 - 150
13C8 FOSA	60		10 - 150
d3-NMeFOSAA	68		25 - 150
d5-NEtFOSAA	68		25 - 150
d-N-MeFOSA-M	49		10 - 150
d-N-EtFOSA-M	52		10 - 150
d7-N-MeFOSE-M	52		10 - 150
d9-N-EtFOSE-M	54		10 - 150
M2-4:2 FTS	57		25 - 150
M2-6:2 FTS	70		25 - 150
M2-8:2 FTS	79		25 - 150
13C3 HFPO-DA	54		25 - 150
13C2 10:2 FTS	75		25 - 150

**Lab Sample ID: MB 320-751053/1-A**  
**Matrix: Water**  
**Analysis Batch: 751550**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 751053**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	<2.4		5.0	2.4	ng/L		03/29/24 08:13	04/01/24 12:13	1
Perfluoropentanoic acid (PFPeA)	<0.49		2.0	0.49	ng/L		03/29/24 08:13	04/01/24 12:13	1
Perfluorohexanoic acid (PFHxA)	<0.58		2.0	0.58	ng/L		03/29/24 08:13	04/01/24 12:13	1
Perfluoroheptanoic acid (PFHpA)	<0.25		2.0	0.25	ng/L		03/29/24 08:13	04/01/24 12:13	1
Perfluorooctanoic acid (PFOA)	<0.85		2.0	0.85	ng/L		03/29/24 08:13	04/01/24 12:13	1

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# QC Sample Results

Client: Stantec Consulting Corporation  
 Project/Site: Chilton Plating - 193709334

Job ID: 500-248044-1

## Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

**Lab Sample ID: MB 320-751053/1-A**  
**Matrix: Water**  
**Analysis Batch: 751550**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 751053**

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Perfluorononanoic acid (PFNA)	<0.27		2.0	0.27	ng/L		03/29/24 08:13	04/01/24 12:13	1
Perfluorodecanoic acid (PFDA)	<0.31		2.0	0.31	ng/L		03/29/24 08:13	04/01/24 12:13	1
Perfluoroundecanoic acid (PFUnA)	<1.1		2.0	1.1	ng/L		03/29/24 08:13	04/01/24 12:13	1
Perfluorododecanoic acid (PFDoA)	<0.55		2.0	0.55	ng/L		03/29/24 08:13	04/01/24 12:13	1
Perfluorotridecanoic acid (PFTriA)	<1.3		2.0	1.3	ng/L		03/29/24 08:13	04/01/24 12:13	1
Perfluorotetradecanoic acid (PFTeA)	<0.73		2.0	0.73	ng/L		03/29/24 08:13	04/01/24 12:13	1
Perfluoro-n-hexadecanoic acid (PFHxDA)	<0.89		2.0	0.89	ng/L		03/29/24 08:13	04/01/24 12:13	1
Perfluoro-n-octadecanoic acid (PFODA)	<0.94		2.0	0.94	ng/L		03/29/24 08:13	04/01/24 12:13	1
Perfluorobutanesulfonic acid (PFBS)	<0.20		2.0	0.20	ng/L		03/29/24 08:13	04/01/24 12:13	1
Perfluoropentanesulfonic acid (PFPeS)	<0.30		2.0	0.30	ng/L		03/29/24 08:13	04/01/24 12:13	1
Perfluorohexanesulfonic acid (PFHxS)	<0.57		2.0	0.57	ng/L		03/29/24 08:13	04/01/24 12:13	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.19		2.0	0.19	ng/L		03/29/24 08:13	04/01/24 12:13	1
Perfluorooctanesulfonic acid (PFOS)	<0.54		2.0	0.54	ng/L		03/29/24 08:13	04/01/24 12:13	1
Perfluorononanesulfonic acid (PFNS)	<0.37		2.0	0.37	ng/L		03/29/24 08:13	04/01/24 12:13	1
Perfluorodecanesulfonic acid (PFDS)	<0.32		2.0	0.32	ng/L		03/29/24 08:13	04/01/24 12:13	1
Perfluorododecanesulfonic acid (PFDoS)	<0.97		2.0	0.97	ng/L		03/29/24 08:13	04/01/24 12:13	1
Perfluorooctanesulfonamide (FOSA)	<0.98		2.0	0.98	ng/L		03/29/24 08:13	04/01/24 12:13	1
NEtFOSA	<0.87		2.0	0.87	ng/L		03/29/24 08:13	04/01/24 12:13	1
NMeFOSA	<0.43		2.0	0.43	ng/L		03/29/24 08:13	04/01/24 12:13	1
NMeFOSAA	<1.2		5.0	1.2	ng/L		03/29/24 08:13	04/01/24 12:13	1
NEtFOSAA	<1.3		5.0	1.3	ng/L		03/29/24 08:13	04/01/24 12:13	1
NMeFOSE	<1.4		4.0	1.4	ng/L		03/29/24 08:13	04/01/24 12:13	1
NEtFOSE	<0.85		2.0	0.85	ng/L		03/29/24 08:13	04/01/24 12:13	1
4:2 FTS	<0.24		2.0	0.24	ng/L		03/29/24 08:13	04/01/24 12:13	1
6:2 FTS	<2.5		5.0	2.5	ng/L		03/29/24 08:13	04/01/24 12:13	1
8:2 FTS	<0.46		2.0	0.46	ng/L		03/29/24 08:13	04/01/24 12:13	1
10:2 FTS	<0.67		2.0	0.67	ng/L		03/29/24 08:13	04/01/24 12:13	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.40		2.0	0.40	ng/L		03/29/24 08:13	04/01/24 12:13	1
HFPO-DA (GenX)	<1.5		4.0	1.5	ng/L		03/29/24 08:13	04/01/24 12:13	1
F-53B Major	<0.24		2.0	0.24	ng/L		03/29/24 08:13	04/01/24 12:13	1
F-53B Minor	<0.32		2.0	0.32	ng/L		03/29/24 08:13	04/01/24 12:13	1
Isotope Dilution	MB	MB	Limits	Prepared	Analyzed	Dil Fac			
	%Recovery	Qualifier							
13C4 PFBA	102		25 - 150	03/29/24 08:13	04/01/24 12:13	1			
13C5 PFPeA	97		25 - 150	03/29/24 08:13	04/01/24 12:13	1			
13C2 PFHxA	100		25 - 150	03/29/24 08:13	04/01/24 12:13	1			
13C4 PFHpA	107		25 - 150	03/29/24 08:13	04/01/24 12:13	1			
13C4 PFOA	101		25 - 150	03/29/24 08:13	04/01/24 12:13	1			
13C5 PFNA	105		25 - 150	03/29/24 08:13	04/01/24 12:13	1			
13C2 PFDA	103		25 - 150	03/29/24 08:13	04/01/24 12:13	1			
13C2 PFUnA	97		25 - 150	03/29/24 08:13	04/01/24 12:13	1			
13C2 PFDoA	105		25 - 150	03/29/24 08:13	04/01/24 12:13	1			
13C2 PFTeDA	102		25 - 150	03/29/24 08:13	04/01/24 12:13	1			
13C2 PFHxDA	102		25 - 150	03/29/24 08:13	04/01/24 12:13	1			

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# QC Sample Results

Client: Stantec Consulting Corporation  
 Project/Site: Chilton Plating - 193709334

Job ID: 500-248044-1

## Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

**Lab Sample ID: MB 320-751053/1-A**  
**Matrix: Water**  
**Analysis Batch: 751550**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 751053**

Isotope Dilution	MB MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
13C3 PFBS	103		25 - 150	03/29/24 08:13	04/01/24 12:13	1
18O2 PFHxS	107		25 - 150	03/29/24 08:13	04/01/24 12:13	1
13C4 PFOS	104		25 - 150	03/29/24 08:13	04/01/24 12:13	1
13C8 FOSA	106		10 - 150	03/29/24 08:13	04/01/24 12:13	1
d3-NMeFOSAA	107		25 - 150	03/29/24 08:13	04/01/24 12:13	1
d5-NEtFOSAA	108		25 - 150	03/29/24 08:13	04/01/24 12:13	1
d-N-MeFOSA-M	88		10 - 150	03/29/24 08:13	04/01/24 12:13	1
d-N-EtFOSA-M	93		10 - 150	03/29/24 08:13	04/01/24 12:13	1
d7-N-MeFOSE-M	103		10 - 150	03/29/24 08:13	04/01/24 12:13	1
d9-N-EtFOSE-M	108		10 - 150	03/29/24 08:13	04/01/24 12:13	1
M2-4:2 FTS	112		25 - 150	03/29/24 08:13	04/01/24 12:13	1
M2-6:2 FTS	100		25 - 150	03/29/24 08:13	04/01/24 12:13	1
M2-8:2 FTS	108		25 - 150	03/29/24 08:13	04/01/24 12:13	1
13C3 HFPO-DA	106		25 - 150	03/29/24 08:13	04/01/24 12:13	1
13C2 10:2 FTS	117		25 - 150	03/29/24 08:13	04/01/24 12:13	1

**Lab Sample ID: LCS 320-751053/3-A**  
**Matrix: Water**  
**Analysis Batch: 751550**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 751053**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec
							Limits
Perfluorobutanoic acid (PFBA)	40.0	40.4		ng/L		101	60 - 135
Perfluoropentanoic acid (PFPeA)	40.0	47.2		ng/L		118	60 - 135
Perfluorohexanoic acid (PFHxA)	40.0	37.7		ng/L		94	60 - 135
Perfluoroheptanoic acid (PFHpA)	40.0	39.2		ng/L		98	60 - 135
Perfluorooctanoic acid (PFOA)	40.0	40.7		ng/L		102	60 - 135
Perfluorononanoic acid (PFNA)	40.0	37.3		ng/L		93	60 - 135
Perfluorodecanoic acid (PFDA)	40.0	34.6		ng/L		86	60 - 135
Perfluoroundecanoic acid (PFUnA)	40.0	40.1		ng/L		100	60 - 135
Perfluorododecanoic acid (PFDoA)	40.0	42.4		ng/L		106	60 - 135
Perfluorotridecanoic acid (PFTriA)	40.0	37.0		ng/L		93	60 - 135
Perfluorotetradecanoic acid (PFTeA)	40.0	38.2		ng/L		96	60 - 135
Perfluoro-n-hexadecanoic acid (PFHxDA)	40.0	37.9		ng/L		95	60 - 135
Perfluoro-n-octadecanoic acid (PFODA)	40.0	52.9		ng/L		132	60 - 135
Perfluorobutanesulfonic acid (PFBS)	35.5	32.6		ng/L		92	60 - 135
Perfluoropentanesulfonic acid (PFPeS)	37.6	36.9		ng/L		98	60 - 135
Perfluorohexanesulfonic acid (PFHxS)	36.5	34.4		ng/L		94	60 - 135
Perfluoroheptanesulfonic acid (PFHpS)	38.2	38.7		ng/L		101	60 - 135
Perfluorooctanesulfonic acid (PFOS)	37.2	36.7		ng/L		99	60 - 135
Perfluorononanesulfonic acid (PFNS)	38.5	40.6		ng/L		105	60 - 135

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# QC Sample Results

Client: Stantec Consulting Corporation  
 Project/Site: Chilton Plating - 193709334

Job ID: 500-248044-1

## Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Lab Sample ID: LCS 320-751053/3-A  
 Matrix: Water  
 Analysis Batch: 751550

Client Sample ID: Lab Control Sample  
 Prep Type: Total/NA  
 Prep Batch: 751053

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluorodecanesulfonic acid (PFDS)	38.6	39.1		ng/L		102	60 - 135
Perfluorododecanesulfonic acid (PFDoS)	38.8	33.1		ng/L		85	60 - 135
Perfluorooctanesulfonamide (FOSA)	40.0	40.2		ng/L		101	60 - 135
NEtFOSA	40.0	36.8		ng/L		92	60 - 135
NMeFOSA	40.0	37.4		ng/L		94	60 - 135
NMeFOSAA	40.0	36.4		ng/L		91	60 - 135
NEtFOSAA	40.0	42.9		ng/L		107	60 - 135
NMeFOSE	40.0	41.4		ng/L		103	60 - 135
NEtFOSE	40.0	41.0		ng/L		103	60 - 135
4:2 FTS	37.5	33.0		ng/L		88	60 - 135
6:2 FTS	38.1	33.3		ng/L		88	60 - 135
8:2 FTS	38.4	33.0		ng/L		86	60 - 135
10:2 FTS	38.6	39.1		ng/L		101	60 - 135
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	37.8	37.2		ng/L		98	60 - 135
HFPO-DA (GenX)	40.0	39.0		ng/L		97	60 - 135
F-53B Major	37.4	37.0		ng/L		99	60 - 135
F-53B Minor	37.8	37.9		ng/L		100	60 - 135

Isotope Dilution	LCS LCS		Limits
	%Recovery	Qualifier	
13C4 PFBA	105		25 - 150
13C5 PFPeA	98		25 - 150
13C2 PFHxA	104		25 - 150
13C4 PFHpA	107		25 - 150
13C4 PFOA	94		25 - 150
13C5 PFNA	100		25 - 150
13C2 PFDA	110		25 - 150
13C2 PFUnA	94		25 - 150
13C2 PFDoA	102		25 - 150
13C2 PFTeDA	102		25 - 150
13C2 PFHxDA	105		25 - 150
13C3 PFBS	107		25 - 150
18O2 PFHxS	112		25 - 150
13C4 PFOS	106		25 - 150
13C8 FOSA	104		10 - 150
d3-NMeFOSAA	106		25 - 150
d5-NEtFOSAA	108		25 - 150
d-N-MeFOSA-M	86		10 - 150
d-N-EtFOSA-M	92		10 - 150
d7-N-MeFOSE-M	106		10 - 150
d9-N-EtFOSE-M	109		10 - 150
M2-4:2 FTS	114		25 - 150
M2-6:2 FTS	116		25 - 150
M2-8:2 FTS	116		25 - 150
13C3 HFPO-DA	100		25 - 150
13C2 10:2 FTS	108		25 - 150

# QC Sample Results

Client: Stantec Consulting Corporation  
 Project/Site: Chilton Plating - 193709334

Job ID: 500-248044-1

## Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

**Lab Sample ID: LCSD 320-751053/4-A**  
**Matrix: Water**  
**Analysis Batch: 751550**

**Client Sample ID: Lab Control Sample Dup**  
**Prep Type: Total/NA**  
**Prep Batch: 751053**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec		RPD	Limit
							Limits	RPD		
Perfluorobutanoic acid (PFBA)	40.0	39.3		ng/L		98	60 - 135	3	30	
Perfluoropentanoic acid (PFPeA)	40.0	48.2		ng/L		120	60 - 135	2	30	
Perfluorohexanoic acid (PFHxA)	40.0	36.9		ng/L		92	60 - 135	2	30	
Perfluoroheptanoic acid (PFHpA)	40.0	39.7		ng/L		99	60 - 135	1	30	
Perfluorooctanoic acid (PFOA)	40.0	38.3		ng/L		96	60 - 135	6	30	
Perfluorononanoic acid (PFNA)	40.0	38.2		ng/L		96	60 - 135	2	30	
Perfluorodecanoic acid (PFDA)	40.0	39.6		ng/L		99	60 - 135	13	30	
Perfluoroundecanoic acid (PFUnA)	40.0	40.1		ng/L		100	60 - 135	0	30	
Perfluorododecanoic acid (PFDoA)	40.0	41.5		ng/L		104	60 - 135	2	30	
Perfluorotridecanoic acid (PFTriA)	40.0	37.4		ng/L		93	60 - 135	1	30	
Perfluorotetradecanoic acid (PFTeA)	40.0	37.6		ng/L		94	60 - 135	2	30	
Perfluoro-n-hexadecanoic acid (PFHxDA)	40.0	37.8		ng/L		94	60 - 135	0	30	
Perfluoro-n-octadecanoic acid (PFODA)	40.0	53.1		ng/L		133	60 - 135	0	30	
Perfluorobutanesulfonic acid (PFBS)	35.5	34.3		ng/L		97	60 - 135	5	30	
Perfluoropentanesulfonic acid (PFPeS)	37.6	37.4		ng/L		99	60 - 135	1	30	
Perfluorohexanesulfonic acid (PFHxS)	36.5	33.0		ng/L		91	60 - 135	4	30	
Perfluoroheptanesulfonic acid (PFHpS)	38.2	36.6		ng/L		96	60 - 135	5	30	
Perfluorooctanesulfonic acid (PFOS)	37.2	35.7		ng/L		96	60 - 135	3	30	
Perfluorononanesulfonic acid (PFNS)	38.5	38.1		ng/L		99	60 - 135	6	30	
Perfluorodecanesulfonic acid (PFDS)	38.6	36.7		ng/L		95	60 - 135	7	30	
Perfluorododecanesulfonic acid (PFDoS)	38.8	32.5		ng/L		84	60 - 135	2	30	
Perfluorooctanesulfonamide (FOSA)	40.0	38.4		ng/L		96	60 - 135	5	30	
NEtFOSA	40.0	37.6		ng/L		94	60 - 135	2	30	
NMeFOSA	40.0	40.7		ng/L		102	60 - 135	8	30	
NMeFOSAA	40.0	35.7		ng/L		89	60 - 135	2	30	
NEtFOSAA	40.0	43.8		ng/L		109	60 - 135	2	30	
NMeFOSE	40.0	39.2		ng/L		98	60 - 135	5	30	
NEtFOSE	40.0	42.9		ng/L		107	60 - 135	5	30	
4:2 FTS	37.5	42.1		ng/L		112	60 - 135	24	30	
6:2 FTS	38.1	32.6		ng/L		86	60 - 135	2	30	
8:2 FTS	38.4	34.2		ng/L		89	60 - 135	4	30	
10:2 FTS	38.6	35.2		ng/L		91	60 - 135	10	30	
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	37.8	34.7		ng/L		92	60 - 135	7	30	
HFPO-DA (GenX)	40.0	37.0		ng/L		93	60 - 135	5	30	
F-53B Major	37.4	35.4		ng/L		95	60 - 135	4	30	
F-53B Minor	37.8	36.1		ng/L		96	60 - 135	5	30	

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# QC Sample Results

Client: Stantec Consulting Corporation  
 Project/Site: Chilton Plating - 193709334

Job ID: 500-248044-1

## Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

<i>Isotope Dilution</i>	<i>LCS D</i>	<i>LCS D</i>	<i>Limits</i>
<i>%Recovery</i>	<i>Qualifier</i>		
13C4 PFBA	107		25 - 150
13C5 PFPeA	96		25 - 150
13C2 PFHxA	107		25 - 150
13C4 PFHpA	104		25 - 150
13C4 PFOA	103		25 - 150
13C5 PFNA	100		25 - 150
13C2 PFDA	109		25 - 150
13C2 PFUnA	99		25 - 150
13C2 PFDoA	106		25 - 150
13C2 PFTeDA	94		25 - 150
13C2 PFHxDA	97		25 - 150
13C3 PFBS	105		25 - 150
18O2 PFHxS	117		25 - 150
13C4 PFOS	114		25 - 150
13C8 FOSA	114		10 - 150
d3-NMeFOSAA	111		25 - 150
d5-NEtFOSAA	107		25 - 150
d-N-MeFOSA-M	85		10 - 150
d-N-EtFOSA-M	94		10 - 150
d7-N-MeFOSE-M	110		10 - 150
d9-N-EtFOSE-M	106		10 - 150
M2-4:2 FTS	106		25 - 150
M2-6:2 FTS	123		25 - 150
M2-8:2 FTS	117		25 - 150
13C3 HFPO-DA	115		25 - 150
13C2 10:2 FTS	111		25 - 150

**Lab Sample ID: LLCS 320-751053/2-A**  
**Matrix: Water**  
**Analysis Batch: 751550**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 751053**

<i>Analyte</i>	<i>Spike Added</i>	<i>LLCS Result</i>	<i>LLCS Qualifier</i>	<i>Unit</i>	<i>D</i>	<i>%Rec</i>	<i>Limits</i>
Perfluorobutanoic acid (PFBA)	8.00	7.69		ng/L		96	50 - 150
Perfluoropentanoic acid (PFPeA)	8.00	9.84		ng/L		123	50 - 150
Perfluorohexanoic acid (PFHxA)	8.00	7.51		ng/L		94	50 - 150
Perfluoroheptanoic acid (PFHpA)	8.00	8.04		ng/L		101	50 - 150
Perfluorooctanoic acid (PFOA)	8.00	26.0	*+	ng/L		325	50 - 150
Perfluorononanoic acid (PFNA)	8.00	7.54		ng/L		94	50 - 150
Perfluorodecanoic acid (PFDA)	8.00	7.94		ng/L		99	50 - 150
Perfluoroundecanoic acid (PFUnA)	8.00	8.08		ng/L		101	50 - 150
Perfluorododecanoic acid (PFDoA)	8.00	7.98		ng/L		100	50 - 150
Perfluorotridecanoic acid (PFTriA)	8.00	7.59		ng/L		95	50 - 150
Perfluorotetradecanoic acid (PFTeA)	8.00	6.74		ng/L		84	50 - 150
Perfluoro-n-hexadecanoic acid (PFHxDA)	8.00	7.96		ng/L		99	50 - 150
Perfluoro-n-octadecanoic acid (PFODA)	8.00	10.3		ng/L		129	50 - 150
Perfluorobutanesulfonic acid (PFBS)	7.10	7.94		ng/L		112	50 - 150

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# QC Sample Results

Client: Stantec Consulting Corporation  
 Project/Site: Chilton Plating - 193709334

Job ID: 500-248044-1

## Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

**Lab Sample ID: LLCS 320-751053/2-A**  
**Matrix: Water**  
**Analysis Batch: 751550**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 751053**

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluoropentanesulfonic acid (PFPeS)	7.52	7.42		ng/L		99	50 - 150
Perfluorohexanesulfonic acid (PFHxS)	7.30	6.60		ng/L		90	50 - 150
Perfluoroheptanesulfonic acid (PFHpS)	7.63	6.88		ng/L		90	50 - 150
Perfluorooctanesulfonic acid (PFOS)	7.44	7.09		ng/L		95	50 - 150
Perfluorononanesulfonic acid (PFNS)	7.70	7.98		ng/L		104	50 - 150
Perfluorodecanesulfonic acid (PFDS)	7.71	6.59		ng/L		85	50 - 150
Perfluorododecanesulfonic acid (PFDoS)	7.76	6.79		ng/L		88	50 - 150
Perfluorooctanesulfonamide (FOSA)	8.00	7.63		ng/L		95	50 - 150
NEtFOSA	8.00	7.10		ng/L		89	50 - 150
NMeFOSA	8.00	7.03		ng/L		88	50 - 150
NMeFOSAA	8.00	7.23		ng/L		90	50 - 150
NEtFOSAA	8.00	8.17		ng/L		102	50 - 150
NMeFOSE	8.00	7.37		ng/L		92	50 - 150
NEtFOSE	8.00	7.56		ng/L		95	50 - 150
4:2 FTS	7.50	6.67		ng/L		89	50 - 150
6:2 FTS	7.62	6.50		ng/L		85	50 - 150
8:2 FTS	7.68	6.40		ng/L		83	50 - 150
10:2 FTS	7.73	7.41		ng/L		96	50 - 150
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	7.57	7.02		ng/L		93	50 - 150
HFPO-DA (GenX)	8.00	9.07		ng/L		113	50 - 150
F-53B Major	7.47	7.72		ng/L		103	50 - 150
F-53B Minor	7.55	7.27		ng/L		96	50 - 150

Isotope Dilution	LLCS		Limits
	%Recovery	Qualifier	
13C4 PFBA	105		25 - 150
13C5 PFPeA	98		25 - 150
13C2 PFHxA	109		25 - 150
13C4 PFHpA	104		25 - 150
13C4 PFOA	101		25 - 150
13C5 PFNA	106		25 - 150
13C2 PFDA	110		25 - 150
13C2 PFUnA	92		25 - 150
13C2 PFDoA	104		25 - 150
13C2 PFTeDA	100		25 - 150
13C2 PFHxDA	104		25 - 150
13C3 PFBS	104		25 - 150
18O2 PFHxS	118		25 - 150
13C4 PFOS	107		25 - 150
13C8 FOSA	110		10 - 150
d3-NMeFOSAA	105		25 - 150
d5-NEtFOSAA	103		25 - 150
d-N-MeFOSA-M	97		10 - 150

# QC Sample Results

Client: Stantec Consulting Corporation  
 Project/Site: Chilton Plating - 193709334

Job ID: 500-248044-1

## Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

**Lab Sample ID: LLCS 320-751053/2-A**  
**Matrix: Water**  
**Analysis Batch: 751550**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 751053**

Isotope Dilution	LLCS LLCS		Limits
	%Recovery	Qualifier	
d-N-EtFOSA-M	100		10 - 150
d7-N-MeFOSE-M	111		10 - 150
d9-N-EtFOSE-M	107		10 - 150
M2-4:2 FTS	123		25 - 150
M2-6:2 FTS	110		25 - 150
M2-8:2 FTS	122		25 - 150
13C3 HFPO-DA	104		25 - 150
13C2 10:2 FTS	115		25 - 150

**Lab Sample ID: MB 320-752056/1-A**  
**Matrix: Water**  
**Analysis Batch: 752424**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 752056**

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Perfluorooctanoic acid (PFOA)	<0.85		2.0	0.85	ng/L		04/03/24 11:51	04/04/24 14:44	1

Isotope Dilution	MB MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
13C4 PFOA	103		25 - 150	04/03/24 11:51	04/04/24 14:44	1

**Lab Sample ID: LLCS 320-752056/2-A**  
**Matrix: Water**  
**Analysis Batch: 752424**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 752056**

Analyte	Spike Added	LLCS LLCS		Unit	D	%Rec	%Rec Limits
		Result	Qualifier				
Perfluorooctanoic acid (PFOA)	8.00	9.28		ng/L		116	50 - 150

Isotope Dilution	LLCS LLCS		Limits
	%Recovery	Qualifier	
13C4 PFOA	105		25 - 150

**Lab Sample ID: LLCSD 320-752056/3-A**  
**Matrix: Water**  
**Analysis Batch: 752424**

**Client Sample ID: Lab Control Sample Dup**  
**Prep Type: Total/NA**  
**Prep Batch: 752056**

Analyte	Spike Added	LLCSD LLCSD		Unit	D	%Rec	%Rec Limits	RPD	Limit
		Result	Qualifier						
Perfluorooctanoic acid (PFOA)	8.00	9.89		ng/L		124	50 - 150	6	30

Isotope Dilution	LLCSD LLCSD		Limits
	%Recovery	Qualifier	
13C4 PFOA	104		25 - 150

# Lab Chronicle

Client: Stantec Consulting Corporation  
 Project/Site: Chilton Plating - 193709334

Job ID: 500-248044-1

**Client Sample ID: SMW-3**  
**Date Collected: 03/21/24 18:15**  
**Date Received: 03/26/24 09:30**

**Lab Sample ID: 500-248044-1**  
**Matrix: Water**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3535			750230	A1W	EET SAC	03/27/24 05:06
Total/NA	Analysis	537 (modified)		1	750954	RS1	EET SAC	03/28/24 21:00

**Client Sample ID: SMW-5**  
**Date Collected: 03/21/24 15:30**  
**Date Received: 03/26/24 09:30**

**Lab Sample ID: 500-248044-2**  
**Matrix: Water**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3535	DL		750230	A1W	EET SAC	03/27/24 05:06
Total/NA	Analysis	537 (modified)	DL	10	751259	C1P	EET SAC	03/30/24 06:05
Total/NA	Prep	3535			750230	A1W	EET SAC	03/27/24 05:06
Total/NA	Analysis	537 (modified)		1	751259	C1P	EET SAC	03/30/24 06:46
Total/NA	Prep	3535	RA		750230	A1W	EET SAC	03/27/24 05:06
Total/NA	Analysis	537 (modified)	RA	1	751582	C1P	EET SAC	04/01/24 13:05

**Client Sample ID: CPPZ105**  
**Date Collected: 03/21/24 11:35**  
**Date Received: 03/26/24 09:30**

**Lab Sample ID: 500-248044-3**  
**Matrix: Water**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3535			750230	A1W	EET SAC	03/27/24 05:06
Total/NA	Analysis	537 (modified)		1	751259	C1P	EET SAC	03/30/24 05:25

**Client Sample ID: SMW-6**  
**Date Collected: 03/21/24 13:00**  
**Date Received: 03/26/24 09:30**

**Lab Sample ID: 500-248044-4**  
**Matrix: Water**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3535			750230	A1W	EET SAC	03/27/24 05:06
Total/NA	Analysis	537 (modified)		1	750954	RS1	EET SAC	03/28/24 21:51

**Client Sample ID: CPMW03**  
**Date Collected: 03/21/24 14:25**  
**Date Received: 03/26/24 09:30**

**Lab Sample ID: 500-248044-5**  
**Matrix: Water**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3535	DL		750230	A1W	EET SAC	03/27/24 05:06
Total/NA	Analysis	537 (modified)	DL	10	751259	C1P	EET SAC	03/30/24 06:16
Total/NA	Prep	3535			750230	A1W	EET SAC	03/27/24 05:06
Total/NA	Analysis	537 (modified)		1	751259	C1P	EET SAC	03/30/24 06:56
Total/NA	Prep	3535	RA		750230	A1W	EET SAC	03/27/24 05:06
Total/NA	Analysis	537 (modified)	RA	1	751582	C1P	EET SAC	04/01/24 13:15

# Lab Chronicle

Client: Stantec Consulting Corporation  
Project/Site: Chilton Plating - 193709334

Job ID: 500-248044-1

## Client Sample ID: SMW01

Date Collected: 03/21/24 13:40

Date Received: 03/26/24 09:30

Lab Sample ID: 500-248044-6

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3535			750230	A1W	EET SAC	03/27/24 05:06
Total/NA	Analysis	537 (modified)		1	750954	RS1	EET SAC	03/28/24 22:11
Total/NA	Prep	3535	DL		750230	A1W	EET SAC	03/27/24 05:06
Total/NA	Analysis	537 (modified)	DL	5	751259	C1P	EET SAC	03/30/24 05:35

## Client Sample ID: CPMW02

Date Collected: 03/21/24 15:55

Date Received: 03/26/24 09:30

Lab Sample ID: 500-248044-7

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3535			750230	A1W	EET SAC	03/27/24 05:06
Total/NA	Analysis	537 (modified)		1	750954	RS1	EET SAC	03/28/24 22:21
Total/NA	Prep	3535	DL		750230	A1W	EET SAC	03/27/24 05:06
Total/NA	Analysis	537 (modified)	DL	5	751259	C1P	EET SAC	03/30/24 05:45

## Client Sample ID: SMW-2

Date Collected: 03/21/24 16:00

Date Received: 03/26/24 09:30

Lab Sample ID: 500-248044-8

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3535			750230	A1W	EET SAC	03/27/24 05:06
Total/NA	Analysis	537 (modified)		1	750954	RS1	EET SAC	03/28/24 22:31

## Client Sample ID: SPZ-1

Date Collected: 03/21/24 15:15

Date Received: 03/26/24 09:30

Lab Sample ID: 500-248044-9

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3535			750230	A1W	EET SAC	03/27/24 05:06
Total/NA	Analysis	537 (modified)		1	750954	RS1	EET SAC	03/28/24 22:41

## Client Sample ID: CPMW04A

Date Collected: 03/21/24 11:45

Date Received: 03/26/24 09:30

Lab Sample ID: 500-248044-10

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3535			750230	A1W	EET SAC	03/27/24 05:06
Total/NA	Analysis	537 (modified)		1	750954	RS1	EET SAC	03/28/24 22:52
Total/NA	Prep	3535	DL		750230	A1W	EET SAC	03/27/24 05:06
Total/NA	Analysis	537 (modified)	DL	10	751259	C1P	EET SAC	03/30/24 05:55

# Lab Chronicle

Client: Stantec Consulting Corporation  
 Project/Site: Chilton Plating - 193709334

Job ID: 500-248044-1

## Client Sample ID: GSMW103

## Lab Sample ID: 500-248044-11

Date Collected: 03/21/24 09:43

Matrix: Water

Date Received: 03/26/24 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3535			750230	A1W	EET SAC	03/27/24 05:06
Total/NA	Analysis	537 (modified)		1	750954	RS1	EET SAC	03/28/24 23:02

## Client Sample ID: SMW-7

## Lab Sample ID: 500-248044-12

Date Collected: 03/21/24 17:15

Matrix: Water

Date Received: 03/26/24 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3535			750230	A1W	EET SAC	03/27/24 05:06
Total/NA	Analysis	537 (modified)		1	750954	RS1	EET SAC	03/28/24 23:32

## Client Sample ID: CPPZ104

## Lab Sample ID: 500-248044-13

Date Collected: 03/21/24 12:30

Matrix: Water

Date Received: 03/26/24 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3535			751053	VP	EET SAC	03/29/24 08:13
Total/NA	Analysis	537 (modified)		1	751550	P1P	EET SAC	04/01/24 12:53

## Client Sample ID: GSPZ103

## Lab Sample ID: 500-248044-14

Date Collected: 03/21/24 09:55

Matrix: Water

Date Received: 03/26/24 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3535			751053	VP	EET SAC	03/29/24 08:13
Total/NA	Analysis	537 (modified)		1	751550	P1P	EET SAC	04/01/24 13:03

## Client Sample ID: EB1

## Lab Sample ID: 500-248044-15

Date Collected: 03/21/24 11:50

Matrix: Water

Date Received: 03/26/24 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3535			751053	VP	EET SAC	03/29/24 08:13
Total/NA	Analysis	537 (modified)		1	751550	P1P	EET SAC	04/01/24 13:13
Total/NA	Prep	3535	RA		751053	VP	EET SAC	03/29/24 08:13
Total/NA	Analysis	537 (modified)	RA	1	751846	K1S	EET SAC	04/02/24 17:39

## Client Sample ID: DUP-1

## Lab Sample ID: 500-248044-16

Date Collected: 03/21/24 15:31

Matrix: Water

Date Received: 03/26/24 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3535	RE		752056	AM	EET SAC	04/03/24 11:51
Total/NA	Analysis	537 (modified)	RE	1	752424	AP1	EET SAC	04/04/24 15:45
Total/NA	Prep	3535			751053	VP	EET SAC	03/29/24 08:13
Total/NA	Analysis	537 (modified)		1	751550	P1P	EET SAC	04/01/24 13:23



# Lab Chronicle

Client: Stantec Consulting Corporation  
Project/Site: Chilton Plating - 193709334

Job ID: 500-248044-1

**Client Sample ID: DUP-1**

**Lab Sample ID: 500-248044-16**

**Date Collected: 03/21/24 15:31**

**Matrix: Water**

**Date Received: 03/26/24 09:30**

<u>Prep Type</u>	<u>Batch Type</u>	<u>Batch Method</u>	<u>Run</u>	<u>Dilution Factor</u>	<u>Batch Number</u>	<u>Analyst</u>	<u>Lab</u>	<u>Prepared or Analyzed</u>
Total/NA	Prep	3535	DL		751053	VP	EET SAC	03/29/24 08:13
Total/NA	Analysis	537 (modified)	DL	10	751846	K1S	EET SAC	04/02/24 17:49

**Laboratory References:**

EET SAC = Eurofins Sacramento, 880 Riverside Parkway, West Sacramento, CA 95605, TEL (916)373-5600

- 1
- 2
- 3
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- 5
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- 14
- 15
- 16

# Accreditation/Certification Summary

Client: Stantec Consulting Corporation  
Project/Site: Chilton Plating - 193709334

Job ID: 500-248044-1

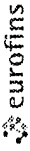
## Laboratory: Eurofins Sacramento



The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Wisconsin	State	998204680	08-31-24

- 1
- 2
- 3
- 4
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- 14
- 15
- 16

# Chain of Custody Record



<b>Client Information</b>		Sampler: <b>J. Hatami</b>		Lab P/N: <b>Fredrick, Sandie</b>		Carrier Tracking No(s):		COC No: <b>500-122219-49233 4</b>	
Client Contact: <b>Jiyan Hatami</b>		Phone: <b>262-278-9154</b>		E-Mail: <b>Sandra.Fredrick@eurofins.com</b>		State of Origin: <b>WI</b>		Page: <b>1 of 2</b>	
Company: <b>Stantec Consulting Corporation</b>		PWSID:		AR		Barcode: 		1 Codes: M Hexane N None O - AsNaO2 P Na2OAS Q - Na2SO3 R Na2SO3 S H2SO4 T TSP Dodecahydrate U - Acetone V MCAA W pH 4-5 Y Trizma Z other (specify)	
Address: <b>12080 Corporate Parkway Suite 200</b>		Due Date Requested:		Field Filtered Sample (Yes or No)		9012B Cyanide, Total/Amenable		Total Number of Containers	
City: <b>Mequon</b>		TAT Requested (days): <b>10</b>		Perform MS/MSD (Yes or No)		7198A Chromium, Hexavalent			
State, Zip: <b>WI 53092</b>		Compliance Project: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		PFC_IDA_WI PFAS, Standard List (36 Analytes) <b>937M</b>		6020B, 7470A			
Phone: <b>193709334</b>		PO #: <b>193709334</b>		8260D VOC		8270E PAH			
Email: <b>Jiyan.Hatami@stantec.com</b>		WO #: <b>50006565</b>		Matrix (Weigh, Solid, Ovens/Bell, BT-Tissue, Analyt)		A N D N B			
Project Name: <b>Chilton Plating - 193709334</b>		SSOW#: <b>50006565</b>		Sample Type (C=Comp, G=grab) Preservative Code		A N D N B			
Site:		Sample Date		Sample Time		Sample Matrix		Special Instructions/Note	
		3/21/24		1415		Water		2	
				1530		Water		2	
				1135		Water		2	
				1300		Water		2	
				1425		Water		2	
				1340		Water		2	
				1555		Water		2	
				1600		Water		2	
				1515		Water		2	
				1145		Water		2	
				0745		Water		2	
<b>SMW-3</b>									
<b>SMW-5</b>									
<b>CPPE105</b>									
<b>SMW-6</b>									
<b>CPMWD3</b>									
<b>SMWD1</b>									
<b>CPMWD2</b>									
<b>SMW-2</b>									
<b>SPZ-1</b>									
<b>CPMWD4A</b>									
<b>G5SMW103</b>									
<b>Possible Hazard Identification</b> <input type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input checked="" type="checkbox"/> Unknown <input type="checkbox"/> Radiological Deliverable Requested I II III IV Other (specify)									
<b>Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)</b> <input type="checkbox"/> Return To Client <input checked="" type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For _____ Months Special Instructions/QC Requirements: <b>MSA #40411</b>									
<b>Empty Kit Relinquished by:</b>		Date/Time: <b>3/25/24, 1415</b>		Company: <b>Stantec</b>		Date/Time: <b>3/26/24, 930</b>		Company: <b>EET 546</b>	
Relinquished by: 		Date/Time:		Company:		Date/Time:		Company:	
Relinquished by:		Date/Time:		Company:		Date/Time:		Company:	
Custody Seals Intact: <b>2-113567</b>		Custody Seal No		Cooler Temperature(s) °C and Other Remarks: <b>11</b>					
<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No									



# Login Sample Receipt Checklist

Client: Stantec Consulting Corporation

Job Number: 500-248044-1

**Login Number: 248044**

**List Number: 2**

**Creator: Simmons, Jason C**

**List Source: Eurofins Sacramento**

**List Creation: 03/26/24 02:45 PM**

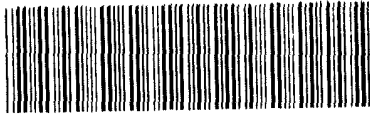
Question	Answer	Comment
Radioactivity wasn't checked or is <math>\leq</math> background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	2413564
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	1.1c
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <math><6\text{mm}</math> (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	





Environment Testing

Sacramento Sample Receiving Notes (SSRN)



Job \_\_\_\_\_

500 248044 Field Sheet

Tracking #: 7752 5234 3235

SO / FO / FO / SAT / 2-Day / Ground / UPS / CDO / Courier  
GSL / OnTrac / Goldstreak / USPS / Other \_\_\_\_\_

Use this form to record Sample Custody Seal, Cooler Custody Seal, Temperature & corrected Temperature & other observations. File in the job folder with the COC.

Therm. ID: <u>416</u> Corr. Factor: (+/-) _____ °C	Notes: _____ _____ _____ _____ _____ _____ _____ _____ _____ _____																				
Ice <u>—</u> Wet _____    Gel _____    Other _____																					
Cooler Custody Seal: <u>2413564</u>																					
Cooler ID: _____																					
Temp Observed: <u>1.1</u> °C    Corrected: <u>1.1</u> °C From Temp Blank <input type="checkbox"/> Sample <input checked="" type="checkbox"/>																					
<b>Opening/Processing The Shipment</b> Yes    No    NA																					
Cooler compromised/tampered with? <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/>																					
Cooler Temperature is acceptable? <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>																					
Frozen samples show signs of thaw? <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/>																					
Initials: <u>JF</u> Date: <u>3/24/24</u>																					
<b>Unpacking/Labeling The Samples</b> Yes    No    NA	Trizma Lot #(s): _____ _____ _____  Ammonium Acetate Lot #(s) _____ _____ _____																				
Containers are not broken or leaking? <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>																					
Samples compromised/tampered with? <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/>																					
COC is complete w/o discrepancies <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>																					
Sample custody seal? <input checked="" type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/>																					
Sample containers have legible labels? <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>																					
Sample date/times are provided? <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>																					
Appropriate containers are used? <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>																					
Sample bottles are completely filled? <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>																					
Sample preservatives verified? <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/>																					
Is the Field Sampler's name on COC? <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/>	<table border="0"> <tr> <td><b>Login Completion</b></td> <td>Yes</td> <td>No</td> <td>NA</td> </tr> <tr> <td>Receipt Temperature on COC?</td> <td><input checked="" type="checkbox"/></td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> </tr> <tr> <td>NCM Filed?</td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> <td><input checked="" type="checkbox"/></td> </tr> <tr> <td>Samples received within hold time?</td> <td><input checked="" type="checkbox"/></td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> </tr> <tr> <td>Log Release checked in TALS?</td> <td><input checked="" type="checkbox"/></td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> </tr> </table>	<b>Login Completion</b>	Yes	No	NA	Receipt Temperature on COC?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	NCM Filed?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Samples received within hold time?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Log Release checked in TALS?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>Login Completion</b>		Yes	No	NA																	
Receipt Temperature on COC?		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>																	
NCM Filed?		<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>																	
Samples received within hold time?		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>																	
Log Release checked in TALS?		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>																	
Samples w/o discrepancies? <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>																					
Zero headspace?* <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>																					
Alkalinity has no headspace? <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/>																					
Perchlorate has headspace? (Methods 314, 331, 6850) <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/>																					
Multiphasic samples are not present? <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>																					
*Containers requiring zero headspace have no headspace, or bubble < 6 mm (1/4")																					
Initials: <u>[Signature]</u> Date: <u>3.26.24</u>	Initials: <u>[Signature]</u> Date: <u>3.26.24</u>																				

# Isotope Dilution Summary

Client: Stantec Consulting Corporation  
 Project/Site: Chilton Plating - 193709334

Job ID: 500-248044-1

## Method: 537 (modified) - Fluorinated Alkyl Substances

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Isotope Dilution Recovery (Acceptance Limits)							
		PFBA (25-150)	PFPeA (25-150)	PFHxA (25-150)	C4PFHA (25-150)	PFOA (25-150)	PFNA (25-150)	PFDA (25-150)	PFUnA (25-150)
500-248044-1	SMW-3	60	71	74	74	78	74	74	68
500-248044-2 - DL	SMW-5								
500-248044-2	SMW-5	75	89	92	88	90	80	86	78
500-248044-2 - RA	SMW-5								
500-248044-3	CPPZ105	78	79	79	81	87	83	80	80
500-248044-4	SMW-6	52	61	58	58	65	58	59	56
500-248044-5 - DL	CPMW03								
500-248044-5	CPMW03	63	85	86	87	86	77	77	73
500-248044-5 - RA	CPMW03								
500-248044-6	SMW01	74	98	97	93	101	91	90	79
500-248044-6 - DL	SMW01								
500-248044-7	CPMW02	71	89	83	85	92	82	82	74
500-248044-7 - DL	CPMW02								
500-248044-8	SMW-2	68	80	90	87	94	83	88	81
500-248044-9	SPZ-1	90	89	94	98	100	96	93	87
500-248044-10	CPMW04A	72	89	88	86	93	81	84	75
500-248044-10 - DL	CPMW04A								
500-248044-11	GSMW103	91	97	98	97	106	100	97	87
500-248044-12	SMW-7	80	87	91	91	97	89	90	87
500-248044-13	CPPZ104	91	94	96	102	93	97	96	84
500-248044-14	GSPZ103	91	92	99	97	94	96	93	86
500-248044-15	EB1	97	108	108	103	99	106	115	103
500-248044-15 - RA	EB1								
500-248044-16	DUP-1	79	89	102	103		90	105	90
500-248044-16 - DL	DUP-1								
500-248044-16 - RE	DUP-1					102			
LCS 320-751053/3-A	Lab Control Sample	105	98	104	107	94	100	110	94
LCSD 320-751053/4-A	Lab Control Sample Dup	107	96	107	104	103	100	109	99
LLCS 320-750230/2-A	Lab Control Sample	64	59	61	61	67	63	63	57
LLCS 320-751053/2-A	Lab Control Sample	105	98	109	104	101	106	110	92
LLCS 320-752056/2-A	Lab Control Sample					105			
LLCSD 320-750230/3-A	Lab Control Sample Dup	61	62	60	62	67	65	65	58
LLCSD 320-752056/3-A	Lab Control Sample Dup					104			
MB 320-750230/1-A	Method Blank	55	52	53	54	61	58	59	55
MB 320-751053/1-A	Method Blank	102	97	100	107	101	105	103	97
MB 320-752056/1-A	Method Blank					103			

Lab Sample ID	Client Sample ID	Percent Isotope Dilution Recovery (Acceptance Limits)							
		PFDoA (25-150)	PFTDA (25-150)	PFHxDA (25-150)	C3PFBS (25-150)	PFHxS (25-150)	PFOS (25-150)	PFOSA (10-150)	d3NMFOS (25-150)
500-248044-1	SMW-3	66	62	43	72	67	66	71	73
500-248044-2 - DL	SMW-5						86		
500-248044-2	SMW-5	76	74	67	83	75	87	78	75
500-248044-2 - RA	SMW-5								
500-248044-3	CPPZ105	74	71	68	74	71	72	81	73
500-248044-4	SMW-6	55	51	50	56	54	54	58	61
500-248044-5 - DL	CPMW03						74		
500-248044-5	CPMW03	72	69	64	79	75	86	71	65
500-248044-5 - RA	CPMW03								
500-248044-6	SMW01	80	75	47	88	88	101	84	85

Eurofins Chicago

# Isotope Dilution Summary

Client: Stantec Consulting Corporation  
 Project/Site: Chilton Plating - 193709334

Job ID: 500-248044-1

## Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Isotope Dilution Recovery (Acceptance Limits)							
		PFD <sub>o</sub> A (25-150)	PFTDA (25-150)	PFHxDA (25-150)	C3PFBS (25-150)	PFHxS (25-150)	PFOS (25-150)	PFOSA (10-150)	d3NMFOS (25-150)
500-248044-6 - DL	SMW01						77		
500-248044-7	CPMW02	75	75	67	86	84	94	82	82
500-248044-7 - DL	CPMW02						87		
500-248044-8	SMW-2	80	77	77	81	80	100	83	87
500-248044-9	SPZ-1	86	84	71	90	91	87	94	97
500-248044-10	CPMW04A	71	71	63	85	83	97	81	78
500-248044-10 - DL	CPMW04A						81		
500-248044-11	GSMW103	81	82	65	94	90	88	92	91
500-248044-12	SMW-7	80	80	62	85	84	88	91	92
500-248044-13	CPPZ104	78	83	82	99	112	98	104	97
500-248044-14	GSPZ103	85	84	85	96	105	96	102	90
500-248044-15	EB1	102	107	96	109	115	103	104	87
500-248044-15 - RA	EB1								
500-248044-16	DUP-1	94	93	97	94	105	97	104	96
500-248044-16 - DL	DUP-1						91		
500-248044-16 - RE	DUP-1								
LCS 320-751053/3-A	Lab Control Sample	102	102	105	107	112	106	104	106
LCS 320-751053/4-A	Lab Control Sample Dup	106	94	97	105	117	114	114	111
LLCS 320-750230/2-A	Lab Control Sample	61	58	56	61	62	58	60	68
LLCS 320-751053/2-A	Lab Control Sample	104	100	104	104	118	107	110	105
LLCS 320-752056/2-A	Lab Control Sample								
LLCS 320-750230/3-A	Lab Control Sample Dup	63	57	60	58	61	60	60	68
LLCS 320-752056/3-A	Lab Control Sample Dup								
MB 320-750230/1-A	Method Blank	56	57	53	55	53	57	57	67
MB 320-751053/1-A	Method Blank	105	102	102	103	107	104	106	107
MB 320-752056/1-A	Method Blank								

Lab Sample ID	Client Sample ID	Percent Isotope Dilution Recovery (Acceptance Limits)							
		d5NEFOS (25-150)	dMeFOSA (10-150)	dEtFOSA (10-150)	NMFM (10-150)	NEFM (10-150)	M242FTS (25-150)	M262FTS (25-150)	M282FTS (25-150)
500-248044-1	SMW-3	74	64	62	64	65	62	72	79
500-248044-2 - DL	SMW-5								
500-248044-2	SMW-5	78	68	70	70	71	80		84
500-248044-2 - RA	SMW-5							102	
500-248044-3	CPPZ105	75	66	67	68	70	74	82	91
500-248044-4	SMW-6	63	51	53	50	56	50	62	69
500-248044-5 - DL	CPMW03								
500-248044-5	CPMW03	72	64	67	64	66	69		79
500-248044-5 - RA	CPMW03							111	
500-248044-6	SMW01	89	72	77	71	77	92	109	104
500-248044-6 - DL	SMW01								
500-248044-7	CPMW02	85	72	74	74	76	74	90	102
500-248044-7 - DL	CPMW02								
500-248044-8	SMW-2	94	71	72	74	77	80	111	109
500-248044-9	SPZ-1	98	79	80	78	80	85	101	109
500-248044-10	CPMW04A	84	67	67	67	67	78	101	100
500-248044-10 - DL	CPMW04A								
500-248044-11	GSMW103	95	79	81	79	79	89	104	108
500-248044-12	SMW-7	93	77	81	81	86	86	102	106
500-248044-13	CPPZ104	94	84	80	86	80	101	102	102
500-248044-14	GSPZ103	92	84	78	91	89	89	100	92

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# Isotope Dilution Summary

Client: Stantec Consulting Corporation  
 Project/Site: Chilton Plating - 193709334

Job ID: 500-248044-1

## Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Matrix: Water

Prep Type: Total/NA

		Percent Isotope Dilution Recovery (Acceptance Limits)							
Lab Sample ID	Client Sample ID	d5NEFOS (25-150)	dMeFOSA (10-150)	dEtFOSA (10-150)	NMFM (10-150)	NEFM (10-150)	M242FTS (25-150)	M262FTS (25-150)	M282FTS (25-150)
500-248044-15	EB1	117	63	88	76	105	115	110	
500-248044-15 - RA	EB1								147
500-248044-16	DUP-1	104	93	94	101	100	101	115	109
500-248044-16 - DL	DUP-1								
500-248044-16 - RE	DUP-1								
LCS 320-751053/3-A	Lab Control Sample	108	86	92	106	109	114	116	116
LCSD 320-751053/4-A	Lab Control Sample Dup	107	85	94	110	106	106	123	117
LLCS 320-750230/2-A	Lab Control Sample	71	51	50	54	55	59	74	78
LLCS 320-751053/2-A	Lab Control Sample	103	97	100	111	107	123	110	122
LLCS 320-752056/2-A	Lab Control Sample								
LLCSD 320-750230/3-A	Lab Control Sample Dup	68	49	52	52	54	57	70	79
LLCSD 320-752056/3-A	Lab Control Sample Dup								
MB 320-750230/1-A	Method Blank	62	43	47	50	52	49	61	75
MB 320-751053/1-A	Method Blank	108	88	93	103	108	112	100	108
MB 320-752056/1-A	Method Blank								

		Percent Isotope Dilution Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	HFPODA (25-150)	M102FTS (25-150)
500-248044-1	SMW-3	68	71
500-248044-2 - DL	SMW-5		
500-248044-2	SMW-5	78	73
500-248044-2 - RA	SMW-5		
500-248044-3	CPPZ105	76	80
500-248044-4	SMW-6	55	62
500-248044-5 - DL	CPMW03		
500-248044-5	CPMW03	70	66
500-248044-5 - RA	CPMW03		
500-248044-6	SMW01	82	86
500-248044-6 - DL	SMW01		
500-248044-7	CPMW02	81	89
500-248044-7 - DL	CPMW02		
500-248044-8	SMW-2	81	91
500-248044-9	SPZ-1	86	100
500-248044-10	CPMW04A	77	84
500-248044-10 - DL	CPMW04A		
500-248044-11	GSMW103	95	95
500-248044-12	SMW-7	82	95
500-248044-13	CPPZ104	101	83
500-248044-14	GSPZ103	94	75
500-248044-15	EB1	109	139
500-248044-15 - RA	EB1		
500-248044-16	DUP-1	106	102
500-248044-16 - DL	DUP-1		
500-248044-16 - RE	DUP-1		
LCS 320-751053/3-A	Lab Control Sample	100	108
LCSD 320-751053/4-A	Lab Control Sample Dup	115	111
LLCS 320-750230/2-A	Lab Control Sample	55	77
LLCS 320-751053/2-A	Lab Control Sample	104	115
LLCS 320-752056/2-A	Lab Control Sample		
LLCSD 320-750230/3-A	Lab Control Sample Dup	54	75

# Isotope Dilution Summary

Client: Stantec Consulting Corporation  
 Project/Site: Chilton Plating - 193709334

Job ID: 500-248044-1

**Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)**

**Matrix: Water**

**Prep Type: Total/NA**

## Percent Isotope Dilution Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	Percent Isotope Dilution Recovery (Acceptance Limits)	
		HFPODA (25-150)	M102FTS (25-150)
LLCSD 320-752056/3-A	Lab Control Sample Dup		
MB 320-750230/1-A	Method Blank	48	70
MB 320-751053/1-A	Method Blank	106	117
MB 320-752056/1-A	Method Blank		

### Surrogate Legend

- PFBA = 13C4 PFBA
- PFPeA = 13C5 PFPeA
- PFHxA = 13C2 PFHxA
- C4PFHA = 13C4 PFHpA
- PFOA = 13C4 PFOA
- PFNA = 13C5 PFNA
- PFDA = 13C2 PFDA
- PFUnA = 13C2 PFUnA
- PFDaA = 13C2 PFDaA
- PFTDA = 13C2 PFTeDA
- PFHxDA = 13C2 PFHxDA
- C3PFBS = 13C3 PFBS
- PFHxS = 18O2 PFHxS
- PFOS = 13C4 PFOS
- PFOSA = 13C8 FOSA
- d3NMFOS = d3-NMeFOSAA
- d5NEFOS = d5-NEtFOSAA
- dMeFOSA = d-N-MeFOSA-M
- dEtFOSA = d-N-EtFOSA-M
- NMFM = d7-N-MeFOSE-M
- NEFM = d9-N-EtFOSE-M
- M242FTS = M2-4:2 FTS
- M262FTS = M2-6:2 FTS
- M282FTS = M2-8:2 FTS
- HFPODA = 13C3 HFPO-DA
- M102FTS = 13C2 10:2 FTS





# ANALYTICAL REPORT

## PREPARED FOR

Attn: Jiyan Hatami  
Stantec Consulting Corporation  
12080 Corporate Parkway, Suite 200  
Mequon, Wisconsin 53092

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## JOB DESCRIPTION

Chilton Plating - 193709334

## JOB NUMBER

500-248055-1

# Eurofins Chicago

## Job Notes

The test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to the NELAP requirements are noted in this report. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory. This report is confidential and is intended for the sole use of Eurofins Environment Testing North Central, LLC and its client. All questions regarding this report should be directed to the Eurofins Environment Testing North Central, LLC Project Manager who has signed this report.

Results relate only to the items tested and the sample(s) as received by the laboratory. The results, detection limits (LOD) and Quantitation Limits (LOQ) have been adjusted for sample dilutions and/or solids content.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Chicago Project Manager.

## Compliance Statement

The LOD and LOQ reported are adjusted by the dilution factor when a dilution factor greater than 1 is needed. Additionally, where results are indicated as being reported on a dry weight basis, the LOD and LOQ are adjusted for moisture content as well.

### Definitions of Limits

- LOD = Limit of Detection = MDL as defined by 40 CFR part 136 Appendix B
- LOQ = Limit of Quantitation = 3.33 x LOD as defined by Wisconsin
- RL = Report Limit = a concentration supported by a standard in the calibration curves

## Authorization



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Authorized for release by  
Sandie Fredrick, Senior Project Manager  
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# Case Narrative

Client: Stantec Consulting Corporation  
Project: Chilton Plating - 193709334

Job ID: 500-248055-1

**Job ID: 500-248055-1**

**Eurofins Chicago**

## Job Narrative 500-248055-1

### Receipt

The samples were received on 3/26/2024 10:20 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 2 coolers at receipt time were 1.3° C and 2.1° C.

### GC/MS VOA

Method 8260D: The matrix spike (MS) recoveries for analytical batch 500-760977 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

Method 8260D: The method blank for analytical batch 500-760977 contained Methylene Chloride and Naphthalene above the method detection limit. This target analyte concentration was less than the reporting limit (RL) in the method blank; therefore, re-extraction and/or re-analysis of samples was not performed.

Method 8260D: The method blank for analytical batch 500-761209 contained Chloroform, Chloromethane and Methylene Chloride above the method detection limit. This target analyte concentration was less than the reporting limit (RL) in the method blank; therefore, re-extraction and/or re-analysis of samples was not performed.

Method 8260D: The laboratory control sample (LCS) for analytical batch 500-761209 recovered outside control limits for the following analytes: Trichlorofluoromethane. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported.CPMW04A (500-248055-3) and CPPZ104 (500-248055-4)

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.

### Field Service / Mobile Lab

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.

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# Detection Summary

Client: Stantec Consulting Corporation  
 Project/Site: Chilton Plating - 193709334

Job ID: 500-248055-1

## Client Sample ID: CPMW02

## Lab Sample ID: 500-248055-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,3-Dichlorobenzene	0.67	J	1.0	0.40	ug/L	1		8260D	Total/NA
cis-1,2-Dichloroethene	19		1.0	0.41	ug/L	1		8260D	Total/NA
Methylene Chloride	3.3	J B	5.0	1.6	ug/L	1		8260D	Total/NA
Tetrachloroethene	5.3		1.0	0.37	ug/L	1		8260D	Total/NA
trans-1,2-Dichloroethene	0.60	J	1.0	0.35	ug/L	1		8260D	Total/NA
Trichloroethene	33		0.50	0.16	ug/L	1		8260D	Total/NA
Arsenic	0.29	J	1.0	0.23	ug/L	1		6020B	Dissolved
Barium	95		2.5	0.73	ug/L	1		6020B	Dissolved
Cadmium	0.18	J	0.50	0.17	ug/L	1		6020B	Dissolved
Chromium	82		5.0	1.1	ug/L	1		6020B	Dissolved

## Client Sample ID: CPMW03

## Lab Sample ID: 500-248055-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethene	1.8		1.0	0.39	ug/L	1		8260D	Total/NA
Methylene Chloride	3.0	J B	5.0	1.6	ug/L	1		8260D	Total/NA
trans-1,2-Dichloroethene	200		1.0	0.35	ug/L	1		8260D	Total/NA
Vinyl chloride	4.1		1.0	0.20	ug/L	1		8260D	Total/NA
cis-1,2-Dichloroethene - DL	330		10	4.1	ug/L	10		8260D	Total/NA
Trichloroethene - DL	500		5.0	1.6	ug/L	10		8260D	Total/NA
Arsenic	0.84	J	1.0	0.23	ug/L	1		6020B	Dissolved
Barium	69		2.5	0.73	ug/L	1		6020B	Dissolved
Chromium	68		5.0	1.1	ug/L	1		6020B	Dissolved

## Client Sample ID: CPMW04A

## Lab Sample ID: 500-248055-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,3-Dichlorobenzene	0.81	J	1.0	0.40	ug/L	1		8260D	Total/NA
Chloromethane	0.97	J B	5.0	0.32	ug/L	1		8260D	Total/NA
cis-1,2-Dichloroethene	4.0		1.0	0.41	ug/L	1		8260D	Total/NA
Methyl tert-butyl ether	15		1.0	0.39	ug/L	1		8260D	Total/NA
Methylene Chloride	3.4	J B	5.0	1.6	ug/L	1		8260D	Total/NA
Tetrachloroethene	5.0		1.0	0.37	ug/L	1		8260D	Total/NA
Trichloroethene	5.7		0.50	0.16	ug/L	1		8260D	Total/NA
Arsenic	0.29	J	1.0	0.23	ug/L	1		6020B	Dissolved
Barium	62		2.5	0.73	ug/L	1		6020B	Dissolved
Chromium	2.1	J	5.0	1.1	ug/L	1		6020B	Dissolved

## Client Sample ID: CPPZ104

## Lab Sample ID: 500-248055-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloromethane	1.2	J B	5.0	0.32	ug/L	1		8260D	Total/NA
cis-1,2-Dichloroethene	1.2		1.0	0.41	ug/L	1		8260D	Total/NA
Methyl tert-butyl ether	1.8		1.0	0.39	ug/L	1		8260D	Total/NA
Methylene Chloride	3.4	J B	5.0	1.6	ug/L	1		8260D	Total/NA
Tetrachloroethene	0.67	J	1.0	0.37	ug/L	1		8260D	Total/NA
Trichloroethene	1.0		0.50	0.16	ug/L	1		8260D	Total/NA
Arsenic	0.68	J	1.0	0.23	ug/L	1		6020B	Dissolved
Barium	220		2.5	0.73	ug/L	1		6020B	Dissolved
Chromium	1.2	J	5.0	1.1	ug/L	1		6020B	Dissolved
Lead	1.2		0.50	0.19	ug/L	1		6020B	Dissolved

This Detection Summary does not include radiochemical test results.

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# Detection Summary

Client: Stantec Consulting Corporation  
Project/Site: Chilton Plating - 193709334

Job ID: 500-248055-1

## Client Sample ID: CPPZ105

## Lab Sample ID: 500-248055-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methylene Chloride	3.2	J B	5.0	1.6	ug/L	1		8260D	Total/NA
Trichloroethene	0.34	J	0.50	0.16	ug/L	1		8260D	Total/NA
Arsenic	0.28	J	1.0	0.23	ug/L	1		6020B	Dissolved
Barium	74		2.5	0.73	ug/L	1		6020B	Dissolved

## Client Sample ID: GSMW103

## Lab Sample ID: 500-248055-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	0.96	J	1.0	0.41	ug/L	1		8260D	Total/NA
Methyl tert-butyl ether	2.4		1.0	0.39	ug/L	1		8260D	Total/NA
Methylene Chloride	3.2	J B	5.0	1.6	ug/L	1		8260D	Total/NA
Tetrachloroethene	0.46	J	1.0	0.37	ug/L	1		8260D	Total/NA
Trichloroethene	0.33	J	0.50	0.16	ug/L	1		8260D	Total/NA
Arsenic	0.40	J	1.0	0.23	ug/L	1		6020B	Dissolved
Barium	230		2.5	0.73	ug/L	1		6020B	Dissolved

## Client Sample ID: GSPZ103

## Lab Sample ID: 500-248055-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methylene Chloride	3.0	J B	5.0	1.6	ug/L	1		8260D	Total/NA
Barium	160		2.5	0.73	ug/L	1		6020B	Dissolved

## Client Sample ID: SMW-1

## Lab Sample ID: 500-248055-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	22		1.0	0.41	ug/L	1		8260D	Total/NA
Methyl tert-butyl ether	6.2		1.0	0.39	ug/L	1		8260D	Total/NA
Methylene Chloride	3.0	J B	5.0	1.6	ug/L	1		8260D	Total/NA
Tetrachloroethene	3.9		1.0	0.37	ug/L	1		8260D	Total/NA
trans-1,2-Dichloroethene	5.7		1.0	0.35	ug/L	1		8260D	Total/NA
Trichloroethene	30		0.50	0.16	ug/L	1		8260D	Total/NA
Vinyl chloride	5.2		1.0	0.20	ug/L	1		8260D	Total/NA
Arsenic	0.33	J	1.0	0.23	ug/L	1		6020B	Dissolved
Barium	97		2.5	0.73	ug/L	1		6020B	Dissolved
Chromium	4.6	J	5.0	1.1	ug/L	1		6020B	Dissolved

## Client Sample ID: SMW-2

## Lab Sample ID: 500-248055-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,3-Dichlorobenzene	0.63	J	1.0	0.40	ug/L	1		8260D	Total/NA
cis-1,2-Dichloroethene	1.1		1.0	0.41	ug/L	1		8260D	Total/NA
Methylene Chloride	3.3	J B	5.0	1.6	ug/L	1		8260D	Total/NA
Trichloroethene	3.8		0.50	0.16	ug/L	1		8260D	Total/NA
Barium	31		2.5	0.73	ug/L	1		6020B	Dissolved
Chromium	10		5.0	1.1	ug/L	1		6020B	Dissolved

## Client Sample ID: SMW-3

## Lab Sample ID: 500-248055-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,3-Dichlorobenzene	0.42	J	1.0	0.40	ug/L	1		8260D	Total/NA
Benzene	0.16	J	0.50	0.15	ug/L	1		8260D	Total/NA
Chloroform	0.45	J	2.0	0.37	ug/L	1		8260D	Total/NA
Methylene Chloride	3.4	J B	5.0	1.6	ug/L	1		8260D	Total/NA

This Detection Summary does not include radiochemical test results.

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# Detection Summary

Client: Stantec Consulting Corporation  
 Project/Site: Chilton Plating - 193709334

Job ID: 500-248055-1

## Client Sample ID: SMW-3 (Continued)

## Lab Sample ID: 500-248055-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methyl tert-butyl ether - DL	110		10	3.9	ug/L	10		8260D	Total/NA
Arsenic	2.1		1.0	0.23	ug/L	1		6020B	Dissolved
Barium	97		2.5	0.73	ug/L	1		6020B	Dissolved

## Client Sample ID: SMW-5

## Lab Sample ID: 500-248055-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethene	0.73	J	1.0	0.39	ug/L	1		8260D	Total/NA
cis-1,2-Dichloroethene	160		1.0	0.41	ug/L	1		8260D	Total/NA
Methylene Chloride	3.2	J B	5.0	1.6	ug/L	1		8260D	Total/NA
Tetrachloroethene	23		1.0	0.37	ug/L	1		8260D	Total/NA
trans-1,2-Dichloroethene	200		1.0	0.35	ug/L	1		8260D	Total/NA
Trichloroethene - DL	470		5.0	1.6	ug/L	10		8260D	Total/NA
Arsenic	0.30	J	1.0	0.23	ug/L	1		6020B	Dissolved
Barium	30		2.5	0.73	ug/L	1		6020B	Dissolved
Cadmium	0.89		0.50	0.17	ug/L	1		6020B	Dissolved
Chromium	2.5	J	5.0	1.1	ug/L	1		6020B	Dissolved
Cyanide, Amenable	0.016		0.0050	0.0036	mg/L	1		9012B	Total/NA
Cyanide, Total	0.021		0.0050	0.0036	mg/L	1		9012B	Total/NA

## Client Sample ID: SMW-6

## Lab Sample ID: 500-248055-12

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	0.59	J	1.0	0.41	ug/L	1		8260D	Total/NA
Methyl tert-butyl ether	9.9		1.0	0.39	ug/L	1		8260D	Total/NA
Methylene Chloride	3.3	J B	5.0	1.6	ug/L	1		8260D	Total/NA
Trichloroethene	0.37	J	0.50	0.16	ug/L	1		8260D	Total/NA
Arsenic	0.24	J	1.0	0.23	ug/L	1		6020B	Dissolved
Barium	85		2.5	0.73	ug/L	1		6020B	Dissolved

## Client Sample ID: SMW-7

## Lab Sample ID: 500-248055-13

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	17		1.0	0.41	ug/L	1		8260D	Total/NA
Methylene Chloride	3.0	J B	5.0	1.6	ug/L	1		8260D	Total/NA
Tetrachloroethene	0.90	J	1.0	0.37	ug/L	1		8260D	Total/NA
trans-1,2-Dichloroethene	2.2		1.0	0.35	ug/L	1		8260D	Total/NA
Trichloroethene - DL	200		5.0	1.6	ug/L	10		8260D	Total/NA
Benzo[a]anthracene	0.18		0.16	0.046	ug/L	1		8270E	Total/NA
Benzo[a]pyrene	0.11	J	0.16	0.081	ug/L	1		8270E	Total/NA
Benzo[b]fluoranthene	0.14	J	0.16	0.066	ug/L	1		8270E	Total/NA
Benzo[k]fluoranthene	0.13	J	0.16	0.052	ug/L	1		8270E	Total/NA
Chrysene	0.13	J	0.16	0.056	ug/L	1		8270E	Total/NA
Dibenz(a,h)anthracene	0.12	J	0.24	0.041	ug/L	1		8270E	Total/NA
Indeno[1,2,3-cd]pyrene	0.14	J	0.16	0.061	ug/L	1		8270E	Total/NA
Arsenic	0.56	J	1.0	0.23	ug/L	1		6020B	Dissolved
Barium	47		2.5	0.73	ug/L	1		6020B	Dissolved

## Client Sample ID: SPZ-1

## Lab Sample ID: 500-248055-14

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	0.84	J	1.0	0.41	ug/L	1		8260D	Total/NA
Methyl tert-butyl ether	1.9		1.0	0.39	ug/L	1		8260D	Total/NA

This Detection Summary does not include radiochemical test results.

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# Detection Summary

Client: Stantec Consulting Corporation  
Project/Site: Chilton Plating - 193709334

Job ID: 500-248055-1

## Client Sample ID: SPZ-1 (Continued)

Lab Sample ID: 500-248055-14

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methylene Chloride	3.2	J B	5.0	1.6	ug/L	1		8260D	Total/NA
Arsenic	4.2		1.0	0.23	ug/L	1		6020B	Dissolved
Barium	250		2.5	0.73	ug/L	1		6020B	Dissolved
Lead	0.21	J	0.50	0.19	ug/L	1		6020B	Dissolved

## Client Sample ID: DUP-1

Lab Sample ID: 500-248055-15

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethene	0.89	J	1.0	0.39	ug/L	1		8260D	Total/NA
cis-1,2-Dichloroethene	160		1.0	0.41	ug/L	1		8260D	Total/NA
Methylene Chloride	3.2	J B	5.0	1.6	ug/L	1		8260D	Total/NA
Tetrachloroethene	23		1.0	0.37	ug/L	1		8260D	Total/NA
trans-1,2-Dichloroethene	190		1.0	0.35	ug/L	1		8260D	Total/NA
Trichloroethene - DL	420		5.0	1.6	ug/L	10		8260D	Total/NA
Arsenic	0.32	J	1.0	0.23	ug/L	1		6020B	Dissolved
Barium	31		2.5	0.73	ug/L	1		6020B	Dissolved
Cadmium	0.79		0.50	0.17	ug/L	1		6020B	Dissolved
Chromium	2.6	J	5.0	1.1	ug/L	1		6020B	Dissolved

## Client Sample ID: Trip Blank

Lab Sample ID: 500-248055-16

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methylene Chloride	3.2	J B	5.0	1.6	ug/L	1		8260D	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Chicago

# Method Summary

Client: Stantec Consulting Corporation  
Project/Site: Chilton Plating - 193709334

Job ID: 500-248055-1

Method	Method Description	Protocol	Laboratory
8260D	Volatile Organic Compounds by GC/MS	SW846	EET CHI
8270E	Semivolatile Organic Compounds (GC/MS)	SW846	EET CHI
6020B	Metals (ICP/MS)	SW846	EET CHI
7470A	Mercury (CVAA)	SW846	EET CHI
9012B	Cyanide, Total and/or Amenable	SW846	EET CHI
9012B	Cyanide, Amenable	SW846	EET CHI
3005A	Preparation, Total Recoverable or Dissolved Metals	SW846	EET CHI
3510C	Liquid-Liquid Extraction (Separatory Funnel)	SW846	EET CHI
5030B	Purge and Trap	SW846	EET CHI
7470A	Preparation, Mercury	SW846	EET CHI
9010C	Cyanide, Distillation	SW846	EET CHI

**Protocol References:**

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

**Laboratory References:**

EET CHI = Eurofins Chicago, 2417 Bond Street, University Park, IL 60484, TEL (708)534-5200

# Sample Summary

Client: Stantec Consulting Corporation  
Project/Site: Chilton Plating - 193709334

Job ID: 500-248055-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
500-248055-1	CPMW02	Water	03/21/24 15:55	03/26/24 10:20
500-248055-2	CPMW03	Water	03/21/24 14:25	03/26/24 10:20
500-248055-3	CPMW04A	Water	03/21/24 11:45	03/26/24 10:20
500-248055-4	CPPZ104	Water	03/21/24 12:30	03/26/24 10:20
500-248055-5	CPPZ105	Water	03/21/24 11:35	03/26/24 10:20
500-248055-6	GSMW103	Water	03/21/24 09:45	03/26/24 10:20
500-248055-7	GSPZ103	Water	03/21/24 09:55	03/26/24 10:20
500-248055-8	SMW-1	Water	03/21/24 13:40	03/26/24 10:20
500-248055-9	SMW-2	Water	03/21/24 16:00	03/26/24 10:20
500-248055-10	SMW-3	Water	03/21/24 18:15	03/26/24 10:20
500-248055-11	SMW-5	Water	03/21/24 15:30	03/26/24 10:20
500-248055-12	SMW-6	Water	03/21/24 13:00	03/26/24 10:20
500-248055-13	SMW-7	Water	03/21/24 17:15	03/26/24 10:20
500-248055-14	SPZ-1	Water	03/21/24 15:15	03/26/24 10:20
500-248055-15	DUP-1	Water	03/21/24 15:31	03/26/24 10:20
500-248055-16	Trip Blank	Water	03/21/24 00:00	03/26/24 10:20





# Client Sample Results

Client: Stantec Consulting Corporation  
 Project/Site: Chilton Plating - 193709334

Job ID: 500-248055-1

**Client Sample ID: CPMW02**

**Lab Sample ID: 500-248055-1**

**Date Collected: 03/21/24 15:55**

**Matrix: Water**

**Date Received: 03/26/24 10:20**

**Method: SW846 8260D - Volatile Organic Compounds by GC/MS**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			04/02/24 12:23	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			04/02/24 12:23	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			04/02/24 12:23	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			04/02/24 12:23	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			04/02/24 12:23	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			04/02/24 12:23	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			04/02/24 12:23	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			04/02/24 12:23	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			04/02/24 12:23	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			04/02/24 12:23	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			04/02/24 12:23	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			04/02/24 12:23	1
Ethylene Dibromide	<0.39		1.0	0.39	ug/L			04/02/24 12:23	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			04/02/24 12:23	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			04/02/24 12:23	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			04/02/24 12:23	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			04/02/24 12:23	1
<b>1,3-Dichlorobenzene</b>	<b>0.67</b>	<b>J</b>	1.0	0.40	ug/L			04/02/24 12:23	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			04/02/24 12:23	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			04/02/24 12:23	1
2,2-Dichloropropane	<0.44		5.0	0.44	ug/L			04/02/24 12:23	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			04/02/24 12:23	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			04/02/24 12:23	1
Benzene	<0.15		0.50	0.15	ug/L			04/02/24 12:23	1
Bromobenzene	<0.36		1.0	0.36	ug/L			04/02/24 12:23	1
Chlorobromomethane	<0.43		1.0	0.43	ug/L			04/02/24 12:23	1
Bromoform	<0.48		1.0	0.48	ug/L			04/02/24 12:23	1
Bromomethane	<0.80		3.0	0.80	ug/L			04/02/24 12:23	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			04/02/24 12:23	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			04/02/24 12:23	1
Chloroethane	<0.51		5.0	0.51	ug/L			04/02/24 12:23	1
Chloroform	<0.37		2.0	0.37	ug/L			04/02/24 12:23	1
Chloromethane	<0.32		5.0	0.32	ug/L			04/02/24 12:23	1
<b>cis-1,2-Dichloroethene</b>	<b>19</b>		1.0	0.41	ug/L			04/02/24 12:23	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			04/02/24 12:23	1
Chlorodibromomethane	<0.49		1.0	0.49	ug/L			04/02/24 12:23	1
Dibromomethane	<0.27		1.0	0.27	ug/L			04/02/24 12:23	1
Dichlorobromomethane	<0.37		1.0	0.37	ug/L			04/02/24 12:23	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			04/02/24 12:23	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			04/02/24 12:23	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			04/02/24 12:23	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			04/02/24 12:23	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			04/02/24 12:23	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			04/02/24 12:23	1
<b>Methylene Chloride</b>	<b>3.3</b>	<b>J B</b>	5.0	1.6	ug/L			04/02/24 12:23	1
Naphthalene	<0.34		1.0	0.34	ug/L			04/02/24 12:23	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			04/02/24 12:23	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			04/02/24 12:23	1
4-Isopropyltoluene	<0.36		1.0	0.36	ug/L			04/02/24 12:23	1

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# Client Sample Results

Client: Stantec Consulting Corporation  
 Project/Site: Chilton Plating - 193709334

Job ID: 500-248055-1

**Client Sample ID: CPMW02**

**Lab Sample ID: 500-248055-1**

**Date Collected: 03/21/24 15:55**

**Matrix: Water**

**Date Received: 03/26/24 10:20**

**Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			04/02/24 12:23	1
Styrene	<0.39		1.0	0.39	ug/L			04/02/24 12:23	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			04/02/24 12:23	1
<b>Tetrachloroethene</b>	<b>5.3</b>		1.0	0.37	ug/L			04/02/24 12:23	1
Toluene	<0.15		0.50	0.15	ug/L			04/02/24 12:23	1
<b>trans-1,2-Dichloroethene</b>	<b>0.60</b>	<b>J</b>	1.0	0.35	ug/L			04/02/24 12:23	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			04/02/24 12:23	1
<b>Trichloroethene</b>	<b>33</b>		0.50	0.16	ug/L			04/02/24 12:23	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			04/02/24 12:23	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			04/02/24 12:23	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			04/02/24 12:23	1
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>				<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
1,2-Dichloroethane-d4 (Surr)	117		75 - 126					04/02/24 12:23	1
4-Bromofluorobenzene (Surr)	98		72 - 124					04/02/24 12:23	1
Dibromofluoromethane (Surr)	109		75 - 120					04/02/24 12:23	1
Toluene-d8 (Surr)	97		75 - 120					04/02/24 12:23	1

**Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1-Methylnaphthalene	<0.26		1.7	0.26	ug/L		03/27/24 07:30	03/27/24 18:44	1
2-Methylnaphthalene	<0.056		1.7	0.056	ug/L		03/27/24 07:30	03/27/24 18:44	1
Acenaphthene	<0.26		0.86	0.26	ug/L		03/27/24 07:30	03/27/24 18:44	1
Acenaphthylene	<0.23		0.86	0.23	ug/L		03/27/24 07:30	03/27/24 18:44	1
Anthracene	<0.29		0.86	0.29	ug/L		03/27/24 07:30	03/27/24 18:44	1
Benzo[a]anthracene	<0.049		0.17	0.049	ug/L		03/27/24 07:30	03/27/24 18:44	1
Benzo[a]pyrene	<0.085		0.17	0.085	ug/L		03/27/24 07:30	03/27/24 18:44	1
Benzo[b]fluoranthene	<0.069		0.17	0.069	ug/L		03/27/24 07:30	03/27/24 18:44	1
Benzo[g,h,i]perylene	<0.32		0.86	0.32	ug/L		03/27/24 07:30	03/27/24 18:44	1
Benzo[k]fluoranthene	<0.055		0.17	0.055	ug/L		03/27/24 07:30	03/27/24 18:44	1
Chrysene	<0.058		0.17	0.058	ug/L		03/27/24 07:30	03/27/24 18:44	1
Dibenz(a,h)anthracene	<0.044		0.26	0.044	ug/L		03/27/24 07:30	03/27/24 18:44	1
Fluoranthene	<0.39		0.86	0.39	ug/L		03/27/24 07:30	03/27/24 18:44	1
Fluorene	<0.21		0.86	0.21	ug/L		03/27/24 07:30	03/27/24 18:44	1
Indeno[1,2,3-cd]pyrene	<0.064		0.17	0.064	ug/L		03/27/24 07:30	03/27/24 18:44	1
Naphthalene	<0.26		0.86	0.26	ug/L		03/27/24 07:30	03/27/24 18:44	1
Phenanthrene	<0.26		0.86	0.26	ug/L		03/27/24 07:30	03/27/24 18:44	1
Pyrene	<0.37		0.86	0.37	ug/L		03/27/24 07:30	03/27/24 18:44	1
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>				<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
2-Fluorobiphenyl (Surr)	44		34 - 110				03/27/24 07:30	03/27/24 18:44	1
Nitrobenzene-d5 (Surr)	55		36 - 120				03/27/24 07:30	03/27/24 18:44	1
Terphenyl-d14 (Surr)	68		40 - 145				03/27/24 07:30	03/27/24 18:44	1

**Method: SW846 6020B - Metals (ICP/MS) - Dissolved**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Arsenic</b>	<b>0.29</b>	<b>J</b>	1.0	0.23	ug/L		04/03/24 08:46	04/04/24 15:47	1
<b>Barium</b>	<b>95</b>		2.5	0.73	ug/L		04/03/24 08:46	04/04/24 15:47	1
<b>Cadmium</b>	<b>0.18</b>	<b>J</b>	0.50	0.17	ug/L		04/03/24 08:46	04/04/24 15:47	1
<b>Chromium</b>	<b>82</b>		5.0	1.1	ug/L		04/03/24 08:46	04/04/24 15:47	1

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# Client Sample Results

Client: Stantec Consulting Corporation  
Project/Site: Chilton Plating - 193709334

Job ID: 500-248055-1

**Client Sample ID: CPMW02**

**Lab Sample ID: 500-248055-1**

**Date Collected: 03/21/24 15:55**

**Matrix: Water**

**Date Received: 03/26/24 10:20**

**Method: SW846 6020B - Metals (ICP/MS) - Dissolved (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	<0.19		0.50	0.19	ug/L		04/03/24 08:46	04/04/24 15:47	1
Selenium	<0.98		2.5	0.98	ug/L		04/03/24 08:46	04/04/24 15:47	1
Silver	<0.12		0.50	0.12	ug/L		04/03/24 08:46	04/04/24 15:47	1

**Method: SW846 7470A - Mercury (CVAA) - Dissolved**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.079		0.20	0.079	ug/L		04/05/24 11:15	04/08/24 08:48	1

# Client Sample Results

Client: Stantec Consulting Corporation  
 Project/Site: Chilton Plating - 193709334

Job ID: 500-248055-1

**Client Sample ID: CPMW03**

**Lab Sample ID: 500-248055-2**

Date Collected: 03/21/24 14:25

Matrix: Water

Date Received: 03/26/24 10:20

**Method: SW846 8260D - Volatile Organic Compounds by GC/MS**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			04/02/24 12:48	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			04/02/24 12:48	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			04/02/24 12:48	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			04/02/24 12:48	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			04/02/24 12:48	1
<b>1,1-Dichloroethene</b>	<b>1.8</b>		1.0	0.39	ug/L			04/02/24 12:48	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			04/02/24 12:48	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			04/02/24 12:48	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			04/02/24 12:48	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			04/02/24 12:48	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			04/02/24 12:48	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			04/02/24 12:48	1
Ethylene Dibromide	<0.39		1.0	0.39	ug/L			04/02/24 12:48	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			04/02/24 12:48	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			04/02/24 12:48	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			04/02/24 12:48	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			04/02/24 12:48	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			04/02/24 12:48	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			04/02/24 12:48	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			04/02/24 12:48	1
2,2-Dichloropropane	<0.44		5.0	0.44	ug/L			04/02/24 12:48	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			04/02/24 12:48	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			04/02/24 12:48	1
Benzene	<0.15		0.50	0.15	ug/L			04/02/24 12:48	1
Bromobenzene	<0.36		1.0	0.36	ug/L			04/02/24 12:48	1
Chlorobromomethane	<0.43		1.0	0.43	ug/L			04/02/24 12:48	1
Bromoform	<0.48		1.0	0.48	ug/L			04/02/24 12:48	1
Bromomethane	<0.80		3.0	0.80	ug/L			04/02/24 12:48	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			04/02/24 12:48	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			04/02/24 12:48	1
Chloroethane	<0.51		5.0	0.51	ug/L			04/02/24 12:48	1
Chloroform	<0.37		2.0	0.37	ug/L			04/02/24 12:48	1
Chloromethane	<0.32		5.0	0.32	ug/L			04/02/24 12:48	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			04/02/24 12:48	1
Chlorodibromomethane	<0.49		1.0	0.49	ug/L			04/02/24 12:48	1
Dibromomethane	<0.27		1.0	0.27	ug/L			04/02/24 12:48	1
Dichlorobromomethane	<0.37		1.0	0.37	ug/L			04/02/24 12:48	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			04/02/24 12:48	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			04/02/24 12:48	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			04/02/24 12:48	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			04/02/24 12:48	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			04/02/24 12:48	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			04/02/24 12:48	1
<b>Methylene Chloride</b>	<b>3.0</b>	<b>J B</b>	5.0	1.6	ug/L			04/02/24 12:48	1
Naphthalene	<0.34		1.0	0.34	ug/L			04/02/24 12:48	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			04/02/24 12:48	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			04/02/24 12:48	1
4-Isopropyltoluene	<0.36		1.0	0.36	ug/L			04/02/24 12:48	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			04/02/24 12:48	1

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# Client Sample Results

Client: Stantec Consulting Corporation  
 Project/Site: Chilton Plating - 193709334

Job ID: 500-248055-1

**Client Sample ID: CPMW03**

**Lab Sample ID: 500-248055-2**

**Date Collected: 03/21/24 14:25**

**Matrix: Water**

**Date Received: 03/26/24 10:20**

**Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Styrene	<0.39		1.0	0.39	ug/L			04/02/24 12:48	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			04/02/24 12:48	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			04/02/24 12:48	1
Toluene	<0.15		0.50	0.15	ug/L			04/02/24 12:48	1
<b>trans-1,2-Dichloroethene</b>	<b>200</b>		1.0	0.35	ug/L			04/02/24 12:48	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			04/02/24 12:48	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			04/02/24 12:48	1
<b>Vinyl chloride</b>	<b>4.1</b>		1.0	0.20	ug/L			04/02/24 12:48	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			04/02/24 12:48	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	119		75 - 126		04/02/24 12:48	1
4-Bromofluorobenzene (Surr)	98		72 - 124		04/02/24 12:48	1
Dibromofluoromethane (Surr)	111		75 - 120		04/02/24 12:48	1
Toluene-d8 (Surr)	100		75 - 120		04/02/24 12:48	1

**Method: SW846 8260D - Volatile Organic Compounds by GC/MS - DL**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>cis-1,2-Dichloroethene</b>	<b>330</b>		10	4.1	ug/L			04/03/24 12:06	10
<b>Trichloroethene</b>	<b>500</b>		5.0	1.6	ug/L			04/03/24 12:06	10

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	117		75 - 126		04/03/24 12:06	10
4-Bromofluorobenzene (Surr)	94		72 - 124		04/03/24 12:06	10
Dibromofluoromethane (Surr)	109		75 - 120		04/03/24 12:06	10
Toluene-d8 (Surr)	97		75 - 120		04/03/24 12:06	10

**Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1-Methylnaphthalene	<0.25		1.7	0.25	ug/L		03/27/24 07:30	03/27/24 19:06	1
2-Methylnaphthalene	<0.054		1.7	0.054	ug/L		03/27/24 07:30	03/27/24 19:06	1
Acenaphthene	<0.26		0.83	0.26	ug/L		03/27/24 07:30	03/27/24 19:06	1
Acenaphthylene	<0.22		0.83	0.22	ug/L		03/27/24 07:30	03/27/24 19:06	1
Anthracene	<0.28		0.83	0.28	ug/L		03/27/24 07:30	03/27/24 19:06	1
Benzo[a]anthracene	<0.047		0.17	0.047	ug/L		03/27/24 07:30	03/27/24 19:06	1
Benzo[a]pyrene	<0.082		0.17	0.082	ug/L		03/27/24 07:30	03/27/24 19:06	1
Benzo[b]fluoranthene	<0.067		0.17	0.067	ug/L		03/27/24 07:30	03/27/24 19:06	1
Benzo[g,h,i]perylene	<0.31		0.83	0.31	ug/L		03/27/24 07:30	03/27/24 19:06	1
Benzo[k]fluoranthene	<0.053		0.17	0.053	ug/L		03/27/24 07:30	03/27/24 19:06	1
Chrysene	<0.057		0.17	0.057	ug/L		03/27/24 07:30	03/27/24 19:06	1
Dibenz(a,h)anthracene	<0.042		0.25	0.042	ug/L		03/27/24 07:30	03/27/24 19:06	1
Fluoranthene	<0.38		0.83	0.38	ug/L		03/27/24 07:30	03/27/24 19:06	1
Fluorene	<0.20		0.83	0.20	ug/L		03/27/24 07:30	03/27/24 19:06	1
Indeno[1,2,3-cd]pyrene	<0.062		0.17	0.062	ug/L		03/27/24 07:30	03/27/24 19:06	1
Naphthalene	<0.26		0.83	0.26	ug/L		03/27/24 07:30	03/27/24 19:06	1
Phenanthrene	<0.25		0.83	0.25	ug/L		03/27/24 07:30	03/27/24 19:06	1
Pyrene	<0.35		0.83	0.35	ug/L		03/27/24 07:30	03/27/24 19:06	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	60		34 - 110	03/27/24 07:30	03/27/24 19:06	1
Nitrobenzene-d5 (Surr)	67		36 - 120	03/27/24 07:30	03/27/24 19:06	1

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# Client Sample Results

Client: Stantec Consulting Corporation  
 Project/Site: Chilton Plating - 193709334

Job ID: 500-248055-1

**Client Sample ID: CPMW03**

**Lab Sample ID: 500-248055-2**

Date Collected: 03/21/24 14:25

Matrix: Water

Date Received: 03/26/24 10:20

**Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)**

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Terphenyl-d14 (Surr)	84		40 - 145	03/27/24 07:30	03/27/24 19:06	1

**Method: SW846 6020B - Metals (ICP/MS) - Dissolved**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.84	J	1.0	0.23	ug/L		04/03/24 08:46	04/04/24 15:50	1
Barium	69		2.5	0.73	ug/L		04/03/24 08:46	04/04/24 15:50	1
Cadmium	<0.17		0.50	0.17	ug/L		04/03/24 08:46	04/04/24 15:50	1
Chromium	68		5.0	1.1	ug/L		04/03/24 08:46	04/04/24 15:50	1
Lead	<0.19		0.50	0.19	ug/L		04/03/24 08:46	04/04/24 15:50	1
Selenium	<0.98		2.5	0.98	ug/L		04/03/24 08:46	04/04/24 15:50	1
Silver	<0.12		0.50	0.12	ug/L		04/03/24 08:46	04/04/24 15:50	1

**Method: SW846 7470A - Mercury (CVAA) - Dissolved**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.079		0.20	0.079	ug/L		04/05/24 11:15	04/08/24 08:50	1

# Client Sample Results

Client: Stantec Consulting Corporation  
 Project/Site: Chilton Plating - 193709334

Job ID: 500-248055-1

**Client Sample ID: CPMW04A**

**Lab Sample ID: 500-248055-3**

**Date Collected: 03/21/24 11:45**

**Matrix: Water**

**Date Received: 03/26/24 10:20**

**Method: SW846 8260D - Volatile Organic Compounds by GC/MS**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			04/03/24 11:41	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			04/03/24 11:41	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			04/03/24 11:41	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			04/03/24 11:41	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			04/03/24 11:41	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			04/03/24 11:41	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			04/03/24 11:41	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			04/03/24 11:41	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			04/03/24 11:41	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			04/03/24 11:41	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			04/03/24 11:41	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			04/03/24 11:41	1
Ethylene Dibromide	<0.39		1.0	0.39	ug/L			04/03/24 11:41	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			04/03/24 11:41	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			04/03/24 11:41	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			04/03/24 11:41	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			04/03/24 11:41	1
<b>1,3-Dichlorobenzene</b>	<b>0.81</b>	<b>J</b>	1.0	0.40	ug/L			04/03/24 11:41	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			04/03/24 11:41	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			04/03/24 11:41	1
2,2-Dichloropropane	<0.44		5.0	0.44	ug/L			04/03/24 11:41	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			04/03/24 11:41	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			04/03/24 11:41	1
Benzene	<0.15		0.50	0.15	ug/L			04/03/24 11:41	1
Bromobenzene	<0.36		1.0	0.36	ug/L			04/03/24 11:41	1
Chlorobromomethane	<0.43		1.0	0.43	ug/L			04/03/24 11:41	1
Bromoform	<0.48		1.0	0.48	ug/L			04/03/24 11:41	1
Bromomethane	<0.80		3.0	0.80	ug/L			04/03/24 11:41	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			04/03/24 11:41	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			04/03/24 11:41	1
Chloroethane	<0.51		5.0	0.51	ug/L			04/03/24 11:41	1
Chloroform	<0.37		2.0	0.37	ug/L			04/03/24 11:41	1
<b>Chloromethane</b>	<b>0.97</b>	<b>J B</b>	5.0	0.32	ug/L			04/03/24 11:41	1
<b>cis-1,2-Dichloroethene</b>	<b>4.0</b>		1.0	0.41	ug/L			04/03/24 11:41	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			04/03/24 11:41	1
Chlorodibromomethane	<0.49		1.0	0.49	ug/L			04/03/24 11:41	1
Dibromomethane	<0.27		1.0	0.27	ug/L			04/03/24 11:41	1
Dichlorobromomethane	<0.37		1.0	0.37	ug/L			04/03/24 11:41	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			04/03/24 11:41	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			04/03/24 11:41	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			04/03/24 11:41	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			04/03/24 11:41	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			04/03/24 11:41	1
<b>Methyl tert-butyl ether</b>	<b>15</b>		1.0	0.39	ug/L			04/03/24 11:41	1
<b>Methylene Chloride</b>	<b>3.4</b>	<b>J B</b>	5.0	1.6	ug/L			04/03/24 11:41	1
Naphthalene	<0.34		1.0	0.34	ug/L			04/03/24 11:41	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			04/03/24 11:41	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			04/03/24 11:41	1
4-Isopropyltoluene	<0.36		1.0	0.36	ug/L			04/03/24 11:41	1

# Client Sample Results

Client: Stantec Consulting Corporation  
 Project/Site: Chilton Plating - 193709334

Job ID: 500-248055-1

**Client Sample ID: CPMW04A**

**Lab Sample ID: 500-248055-3**

**Date Collected: 03/21/24 11:45**

**Matrix: Water**

**Date Received: 03/26/24 10:20**

**Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			04/03/24 11:41	1
Styrene	<0.39		1.0	0.39	ug/L			04/03/24 11:41	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			04/03/24 11:41	1
<b>Tetrachloroethene</b>	<b>5.0</b>		1.0	0.37	ug/L			04/03/24 11:41	1
Toluene	<0.15		0.50	0.15	ug/L			04/03/24 11:41	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			04/03/24 11:41	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			04/03/24 11:41	1
<b>Trichloroethene</b>	<b>5.7</b>		0.50	0.16	ug/L			04/03/24 11:41	1
Trichlorofluoromethane	<0.43	*+	1.0	0.43	ug/L			04/03/24 11:41	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			04/03/24 11:41	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			04/03/24 11:41	1
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>				<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
1,2-Dichloroethane-d4 (Surr)	119		75 - 126					04/03/24 11:41	1
4-Bromofluorobenzene (Surr)	93		72 - 124					04/03/24 11:41	1
Dibromofluoromethane (Surr)	111		75 - 120					04/03/24 11:41	1
Toluene-d8 (Surr)	97		75 - 120					04/03/24 11:41	1

**Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1-Methylnaphthalene	<0.25		1.7	0.25	ug/L		03/27/24 07:30	03/27/24 19:27	1
2-Methylnaphthalene	<0.054		1.7	0.054	ug/L		03/27/24 07:30	03/27/24 19:27	1
Acenaphthene	<0.26		0.83	0.26	ug/L		03/27/24 07:30	03/27/24 19:27	1
Acenaphthylene	<0.22		0.83	0.22	ug/L		03/27/24 07:30	03/27/24 19:27	1
Anthracene	<0.28		0.83	0.28	ug/L		03/27/24 07:30	03/27/24 19:27	1
Benzo[a]anthracene	<0.047		0.17	0.047	ug/L		03/27/24 07:30	03/27/24 19:27	1
Benzo[a]pyrene	<0.082		0.17	0.082	ug/L		03/27/24 07:30	03/27/24 19:27	1
Benzo[b]fluoranthene	<0.067		0.17	0.067	ug/L		03/27/24 07:30	03/27/24 19:27	1
Benzo[g,h,i]perylene	<0.31		0.83	0.31	ug/L		03/27/24 07:30	03/27/24 19:27	1
Benzo[k]fluoranthene	<0.053		0.17	0.053	ug/L		03/27/24 07:30	03/27/24 19:27	1
Chrysene	<0.056		0.17	0.056	ug/L		03/27/24 07:30	03/27/24 19:27	1
Dibenz(a,h)anthracene	<0.042		0.25	0.042	ug/L		03/27/24 07:30	03/27/24 19:27	1
Fluoranthene	<0.38		0.83	0.38	ug/L		03/27/24 07:30	03/27/24 19:27	1
Fluorene	<0.20		0.83	0.20	ug/L		03/27/24 07:30	03/27/24 19:27	1
Indeno[1,2,3-cd]pyrene	<0.062		0.17	0.062	ug/L		03/27/24 07:30	03/27/24 19:27	1
Naphthalene	<0.26		0.83	0.26	ug/L		03/27/24 07:30	03/27/24 19:27	1
Phenanthrene	<0.25		0.83	0.25	ug/L		03/27/24 07:30	03/27/24 19:27	1
Pyrene	<0.35		0.83	0.35	ug/L		03/27/24 07:30	03/27/24 19:27	1
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>				<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
2-Fluorobiphenyl (Surr)	58		34 - 110				03/27/24 07:30	03/27/24 19:27	1
Nitrobenzene-d5 (Surr)	66		36 - 120				03/27/24 07:30	03/27/24 19:27	1
Terphenyl-d14 (Surr)	86		40 - 145				03/27/24 07:30	03/27/24 19:27	1

**Method: SW846 6020B - Metals (ICP/MS) - Dissolved**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Arsenic</b>	<b>0.29</b>	<b>J</b>	1.0	0.23	ug/L		04/03/24 08:46	04/04/24 15:54	1
<b>Barium</b>	<b>62</b>		2.5	0.73	ug/L		04/03/24 08:46	04/04/24 15:54	1
Cadmium	<0.17		0.50	0.17	ug/L		04/03/24 08:46	04/04/24 15:54	1
<b>Chromium</b>	<b>2.1</b>	<b>J</b>	5.0	1.1	ug/L		04/03/24 08:46	04/04/24 15:54	1

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# Client Sample Results

Client: Stantec Consulting Corporation  
Project/Site: Chilton Plating - 193709334

Job ID: 500-248055-1

**Client Sample ID: CPMW04A**

**Lab Sample ID: 500-248055-3**

**Date Collected: 03/21/24 11:45**

**Matrix: Water**

**Date Received: 03/26/24 10:20**

**Method: SW846 6020B - Metals (ICP/MS) - Dissolved (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	<0.19		0.50	0.19	ug/L		04/03/24 08:46	04/04/24 15:54	1
Selenium	<0.98		2.5	0.98	ug/L		04/03/24 08:46	04/04/24 15:54	1
Silver	<0.12		0.50	0.12	ug/L		04/03/24 08:46	04/04/24 15:54	1

**Method: SW846 7470A - Mercury (CVAA) - Dissolved**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.079		0.20	0.079	ug/L		04/05/24 11:15	04/08/24 08:52	1

# Client Sample Results

Client: Stantec Consulting Corporation  
 Project/Site: Chilton Plating - 193709334

Job ID: 500-248055-1

**Client Sample ID: CPPZ104**

**Lab Sample ID: 500-248055-4**

**Date Collected: 03/21/24 12:30**

**Matrix: Water**

**Date Received: 03/26/24 10:20**

**Method: SW846 8260D - Volatile Organic Compounds by GC/MS**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			04/03/24 11:17	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			04/03/24 11:17	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			04/03/24 11:17	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			04/03/24 11:17	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			04/03/24 11:17	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			04/03/24 11:17	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			04/03/24 11:17	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			04/03/24 11:17	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			04/03/24 11:17	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			04/03/24 11:17	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			04/03/24 11:17	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			04/03/24 11:17	1
Ethylene Dibromide	<0.39		1.0	0.39	ug/L			04/03/24 11:17	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			04/03/24 11:17	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			04/03/24 11:17	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			04/03/24 11:17	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			04/03/24 11:17	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			04/03/24 11:17	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			04/03/24 11:17	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			04/03/24 11:17	1
2,2-Dichloropropane	<0.44		5.0	0.44	ug/L			04/03/24 11:17	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			04/03/24 11:17	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			04/03/24 11:17	1
Benzene	<0.15		0.50	0.15	ug/L			04/03/24 11:17	1
Bromobenzene	<0.36		1.0	0.36	ug/L			04/03/24 11:17	1
Chlorobromomethane	<0.43		1.0	0.43	ug/L			04/03/24 11:17	1
Bromoform	<0.48		1.0	0.48	ug/L			04/03/24 11:17	1
Bromomethane	<0.80		3.0	0.80	ug/L			04/03/24 11:17	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			04/03/24 11:17	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			04/03/24 11:17	1
Chloroethane	<0.51		5.0	0.51	ug/L			04/03/24 11:17	1
Chloroform	<0.37		2.0	0.37	ug/L			04/03/24 11:17	1
<b>Chloromethane</b>	<b>1.2</b>	<b>J B</b>	5.0	0.32	ug/L			04/03/24 11:17	1
<b>cis-1,2-Dichloroethene</b>	<b>1.2</b>		1.0	0.41	ug/L			04/03/24 11:17	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			04/03/24 11:17	1
Chlorodibromomethane	<0.49		1.0	0.49	ug/L			04/03/24 11:17	1
Dibromomethane	<0.27		1.0	0.27	ug/L			04/03/24 11:17	1
Dichlorobromomethane	<0.37		1.0	0.37	ug/L			04/03/24 11:17	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			04/03/24 11:17	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			04/03/24 11:17	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			04/03/24 11:17	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			04/03/24 11:17	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			04/03/24 11:17	1
<b>Methyl tert-butyl ether</b>	<b>1.8</b>		1.0	0.39	ug/L			04/03/24 11:17	1
<b>Methylene Chloride</b>	<b>3.4</b>	<b>J B</b>	5.0	1.6	ug/L			04/03/24 11:17	1
Naphthalene	<0.34		1.0	0.34	ug/L			04/03/24 11:17	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			04/03/24 11:17	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			04/03/24 11:17	1
4-Isopropyltoluene	<0.36		1.0	0.36	ug/L			04/03/24 11:17	1

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# Client Sample Results

Client: Stantec Consulting Corporation  
Project/Site: Chilton Plating - 193709334

Job ID: 500-248055-1

**Client Sample ID: CPPZ104**

**Lab Sample ID: 500-248055-4**

**Date Collected: 03/21/24 12:30**

**Matrix: Water**

**Date Received: 03/26/24 10:20**

**Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			04/03/24 11:17	1
Styrene	<0.39		1.0	0.39	ug/L			04/03/24 11:17	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			04/03/24 11:17	1
<b>Tetrachloroethene</b>	<b>0.67</b>	<b>J</b>	1.0	0.37	ug/L			04/03/24 11:17	1
Toluene	<0.15		0.50	0.15	ug/L			04/03/24 11:17	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			04/03/24 11:17	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			04/03/24 11:17	1
<b>Trichloroethene</b>	<b>1.0</b>		0.50	0.16	ug/L			04/03/24 11:17	1
Trichlorofluoromethane	<0.43	*+	1.0	0.43	ug/L			04/03/24 11:17	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			04/03/24 11:17	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			04/03/24 11:17	1
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>				<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
1,2-Dichloroethane-d4 (Surr)	119		75 - 126					04/03/24 11:17	1
4-Bromofluorobenzene (Surr)	93		72 - 124					04/03/24 11:17	1
Dibromofluoromethane (Surr)	110		75 - 120					04/03/24 11:17	1
Toluene-d8 (Surr)	100		75 - 120					04/03/24 11:17	1

**Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1-Methylnaphthalene	<0.25		1.7	0.25	ug/L		03/27/24 07:30	03/27/24 19:49	1
2-Methylnaphthalene	<0.054		1.7	0.054	ug/L		03/27/24 07:30	03/27/24 19:49	1
Acenaphthene	<0.26		0.83	0.26	ug/L		03/27/24 07:30	03/27/24 19:49	1
Acenaphthylene	<0.22		0.83	0.22	ug/L		03/27/24 07:30	03/27/24 19:49	1
Anthracene	<0.28		0.83	0.28	ug/L		03/27/24 07:30	03/27/24 19:49	1
Benzo[a]anthracene	<0.047		0.17	0.047	ug/L		03/27/24 07:30	03/27/24 19:49	1
Benzo[a]pyrene	<0.082		0.17	0.082	ug/L		03/27/24 07:30	03/27/24 19:49	1
Benzo[b]fluoranthene	<0.067		0.17	0.067	ug/L		03/27/24 07:30	03/27/24 19:49	1
Benzo[g,h,i]perylene	<0.31		0.83	0.31	ug/L		03/27/24 07:30	03/27/24 19:49	1
Benzo[k]fluoranthene	<0.053		0.17	0.053	ug/L		03/27/24 07:30	03/27/24 19:49	1
Chrysene	<0.057		0.17	0.057	ug/L		03/27/24 07:30	03/27/24 19:49	1
Dibenz(a,h)anthracene	<0.042		0.25	0.042	ug/L		03/27/24 07:30	03/27/24 19:49	1
Fluoranthene	<0.38		0.83	0.38	ug/L		03/27/24 07:30	03/27/24 19:49	1
Fluorene	<0.20		0.83	0.20	ug/L		03/27/24 07:30	03/27/24 19:49	1
Indeno[1,2,3-cd]pyrene	<0.062		0.17	0.062	ug/L		03/27/24 07:30	03/27/24 19:49	1
Naphthalene	<0.26		0.83	0.26	ug/L		03/27/24 07:30	03/27/24 19:49	1
Phenanthrene	<0.25		0.83	0.25	ug/L		03/27/24 07:30	03/27/24 19:49	1
Pyrene	<0.35		0.83	0.35	ug/L		03/27/24 07:30	03/27/24 19:49	1
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>				<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
2-Fluorobiphenyl (Surr)	55		34 - 110				03/27/24 07:30	03/27/24 19:49	1
Nitrobenzene-d5 (Surr)	63		36 - 120				03/27/24 07:30	03/27/24 19:49	1
Terphenyl-d14 (Surr)	78		40 - 145				03/27/24 07:30	03/27/24 19:49	1

**Method: SW846 6020B - Metals (ICP/MS) - Dissolved**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Arsenic</b>	<b>0.68</b>	<b>J</b>	1.0	0.23	ug/L		04/03/24 08:46	04/04/24 15:57	1
<b>Barium</b>	<b>220</b>		2.5	0.73	ug/L		04/03/24 08:46	04/04/24 15:57	1
Cadmium	<0.17		0.50	0.17	ug/L		04/03/24 08:46	04/04/24 15:57	1
<b>Chromium</b>	<b>1.2</b>	<b>J</b>	5.0	1.1	ug/L		04/03/24 08:46	04/04/24 15:57	1

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# Client Sample Results

Client: Stantec Consulting Corporation  
Project/Site: Chilton Plating - 193709334

Job ID: 500-248055-1

**Client Sample ID: CPPZ104**

**Lab Sample ID: 500-248055-4**

Date Collected: 03/21/24 12:30

Matrix: Water

Date Received: 03/26/24 10:20

**Method: SW846 6020B - Metals (ICP/MS) - Dissolved (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	1.2		0.50	0.19	ug/L		04/03/24 08:46	04/04/24 15:57	1
Selenium	<0.98		2.5	0.98	ug/L		04/03/24 08:46	04/04/24 15:57	1
Silver	<0.12		0.50	0.12	ug/L		04/03/24 08:46	04/04/24 15:57	1

**Method: SW846 7470A - Mercury (CVAA) - Dissolved**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.079		0.20	0.079	ug/L		04/05/24 11:15	04/08/24 08:54	1

# Client Sample Results

Client: Stantec Consulting Corporation  
 Project/Site: Chilton Plating - 193709334

Job ID: 500-248055-1

**Client Sample ID: CPPZ105**

**Lab Sample ID: 500-248055-5**

**Date Collected: 03/21/24 11:35**

**Matrix: Water**

**Date Received: 03/26/24 10:20**

**Method: SW846 8260D - Volatile Organic Compounds by GC/MS**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			04/02/24 14:01	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			04/02/24 14:01	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			04/02/24 14:01	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			04/02/24 14:01	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			04/02/24 14:01	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			04/02/24 14:01	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			04/02/24 14:01	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			04/02/24 14:01	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			04/02/24 14:01	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			04/02/24 14:01	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			04/02/24 14:01	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			04/02/24 14:01	1
Ethylene Dibromide	<0.39		1.0	0.39	ug/L			04/02/24 14:01	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			04/02/24 14:01	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			04/02/24 14:01	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			04/02/24 14:01	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			04/02/24 14:01	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			04/02/24 14:01	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			04/02/24 14:01	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			04/02/24 14:01	1
2,2-Dichloropropane	<0.44		5.0	0.44	ug/L			04/02/24 14:01	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			04/02/24 14:01	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			04/02/24 14:01	1
Benzene	<0.15		0.50	0.15	ug/L			04/02/24 14:01	1
Bromobenzene	<0.36		1.0	0.36	ug/L			04/02/24 14:01	1
Chlorobromomethane	<0.43		1.0	0.43	ug/L			04/02/24 14:01	1
Bromoform	<0.48		1.0	0.48	ug/L			04/02/24 14:01	1
Bromomethane	<0.80		3.0	0.80	ug/L			04/02/24 14:01	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			04/02/24 14:01	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			04/02/24 14:01	1
Chloroethane	<0.51		5.0	0.51	ug/L			04/02/24 14:01	1
Chloroform	<0.37		2.0	0.37	ug/L			04/02/24 14:01	1
Chloromethane	<0.32		5.0	0.32	ug/L			04/02/24 14:01	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			04/02/24 14:01	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			04/02/24 14:01	1
Chlorodibromomethane	<0.49		1.0	0.49	ug/L			04/02/24 14:01	1
Dibromomethane	<0.27		1.0	0.27	ug/L			04/02/24 14:01	1
Dichlorobromomethane	<0.37		1.0	0.37	ug/L			04/02/24 14:01	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			04/02/24 14:01	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			04/02/24 14:01	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			04/02/24 14:01	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			04/02/24 14:01	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			04/02/24 14:01	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			04/02/24 14:01	1
<b>Methylene Chloride</b>	<b>3.2</b>	<b>J B</b>	5.0	1.6	ug/L			04/02/24 14:01	1
Naphthalene	<0.34		1.0	0.34	ug/L			04/02/24 14:01	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			04/02/24 14:01	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			04/02/24 14:01	1
4-Isopropyltoluene	<0.36		1.0	0.36	ug/L			04/02/24 14:01	1

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# Client Sample Results

Client: Stantec Consulting Corporation  
 Project/Site: Chilton Plating - 193709334

Job ID: 500-248055-1

**Client Sample ID: CPPZ105**

**Lab Sample ID: 500-248055-5**

**Date Collected: 03/21/24 11:35**

**Matrix: Water**

**Date Received: 03/26/24 10:20**

**Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			04/02/24 14:01	1
Styrene	<0.39		1.0	0.39	ug/L			04/02/24 14:01	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			04/02/24 14:01	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			04/02/24 14:01	1
Toluene	<0.15		0.50	0.15	ug/L			04/02/24 14:01	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			04/02/24 14:01	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			04/02/24 14:01	1
<b>Trichloroethene</b>	<b>0.34</b>	<b>J</b>	0.50	0.16	ug/L			04/02/24 14:01	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			04/02/24 14:01	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			04/02/24 14:01	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			04/02/24 14:01	1
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>				<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
1,2-Dichloroethane-d4 (Surr)	123		75 - 126					04/02/24 14:01	1
4-Bromofluorobenzene (Surr)	102		72 - 124					04/02/24 14:01	1
Dibromofluoromethane (Surr)	111		75 - 120					04/02/24 14:01	1
Toluene-d8 (Surr)	99		75 - 120					04/02/24 14:01	1

**Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1-Methylnaphthalene	<0.23		1.5	0.23	ug/L		03/27/24 07:30	03/27/24 20:10	1
2-Methylnaphthalene	<0.050		1.5	0.050	ug/L		03/27/24 07:30	03/27/24 20:10	1
Acenaphthene	<0.24		0.77	0.24	ug/L		03/27/24 07:30	03/27/24 20:10	1
Acenaphthylene	<0.21		0.77	0.21	ug/L		03/27/24 07:30	03/27/24 20:10	1
Anthracene	<0.26		0.77	0.26	ug/L		03/27/24 07:30	03/27/24 20:10	1
Benzo[a]anthracene	<0.044		0.15	0.044	ug/L		03/27/24 07:30	03/27/24 20:10	1
Benzo[a]pyrene	<0.076		0.15	0.076	ug/L		03/27/24 07:30	03/27/24 20:10	1
Benzo[b]fluoranthene	<0.062		0.15	0.062	ug/L		03/27/24 07:30	03/27/24 20:10	1
Benzo[g,h,i]perylene	<0.29		0.77	0.29	ug/L		03/27/24 07:30	03/27/24 20:10	1
Benzo[k]fluoranthene	<0.049		0.15	0.049	ug/L		03/27/24 07:30	03/27/24 20:10	1
Chrysene	<0.053		0.15	0.053	ug/L		03/27/24 07:30	03/27/24 20:10	1
Dibenz(a,h)anthracene	<0.039		0.23	0.039	ug/L		03/27/24 07:30	03/27/24 20:10	1
Fluoranthene	<0.35		0.77	0.35	ug/L		03/27/24 07:30	03/27/24 20:10	1
Fluorene	<0.19		0.77	0.19	ug/L		03/27/24 07:30	03/27/24 20:10	1
Indeno[1,2,3-cd]pyrene	<0.058		0.15	0.058	ug/L		03/27/24 07:30	03/27/24 20:10	1
Naphthalene	<0.24		0.77	0.24	ug/L		03/27/24 07:30	03/27/24 20:10	1
Phenanthrene	<0.23		0.77	0.23	ug/L		03/27/24 07:30	03/27/24 20:10	1
Pyrene	<0.33		0.77	0.33	ug/L		03/27/24 07:30	03/27/24 20:10	1
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>				<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
2-Fluorobiphenyl (Surr)	73		34 - 110				03/27/24 07:30	03/27/24 20:10	1
Nitrobenzene-d5 (Surr)	90		36 - 120				03/27/24 07:30	03/27/24 20:10	1
Terphenyl-d14 (Surr)	79		40 - 145				03/27/24 07:30	03/27/24 20:10	1

**Method: SW846 6020B - Metals (ICP/MS) - Dissolved**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Arsenic</b>	<b>0.28</b>	<b>J</b>	1.0	0.23	ug/L		04/03/24 08:46	04/04/24 16:00	1
<b>Barium</b>	<b>74</b>		2.5	0.73	ug/L		04/03/24 08:46	04/04/24 16:00	1
Cadmium	<0.17		0.50	0.17	ug/L		04/03/24 08:46	04/04/24 16:00	1
Chromium	<1.1		5.0	1.1	ug/L		04/03/24 08:46	04/04/24 16:00	1

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# Client Sample Results

Client: Stantec Consulting Corporation  
Project/Site: Chilton Plating - 193709334

Job ID: 500-248055-1

**Client Sample ID: CPPZ105**

**Lab Sample ID: 500-248055-5**

**Date Collected: 03/21/24 11:35**

**Matrix: Water**

**Date Received: 03/26/24 10:20**

**Method: SW846 6020B - Metals (ICP/MS) - Dissolved (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	<0.19		0.50	0.19	ug/L		04/03/24 08:46	04/04/24 16:00	1
Selenium	<0.98		2.5	0.98	ug/L		04/03/24 08:46	04/04/24 16:00	1
Silver	<0.12		0.50	0.12	ug/L		04/03/24 08:46	04/04/24 16:00	1

**Method: SW846 7470A - Mercury (CVAA) - Dissolved**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.079		0.20	0.079	ug/L		04/05/24 11:15	04/08/24 08:56	1

# Client Sample Results

Client: Stantec Consulting Corporation  
 Project/Site: Chilton Plating - 193709334

Job ID: 500-248055-1

**Client Sample ID: GSMW103**

**Lab Sample ID: 500-248055-6**

**Date Collected: 03/21/24 09:45**

**Matrix: Water**

**Date Received: 03/26/24 10:20**

**Method: SW846 8260D - Volatile Organic Compounds by GC/MS**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			04/02/24 14:25	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			04/02/24 14:25	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			04/02/24 14:25	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			04/02/24 14:25	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			04/02/24 14:25	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			04/02/24 14:25	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			04/02/24 14:25	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			04/02/24 14:25	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			04/02/24 14:25	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			04/02/24 14:25	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			04/02/24 14:25	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			04/02/24 14:25	1
Ethylene Dibromide	<0.39		1.0	0.39	ug/L			04/02/24 14:25	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			04/02/24 14:25	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			04/02/24 14:25	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			04/02/24 14:25	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			04/02/24 14:25	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			04/02/24 14:25	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			04/02/24 14:25	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			04/02/24 14:25	1
2,2-Dichloropropane	<0.44		5.0	0.44	ug/L			04/02/24 14:25	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			04/02/24 14:25	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			04/02/24 14:25	1
Benzene	<0.15		0.50	0.15	ug/L			04/02/24 14:25	1
Bromobenzene	<0.36		1.0	0.36	ug/L			04/02/24 14:25	1
Chlorobromomethane	<0.43		1.0	0.43	ug/L			04/02/24 14:25	1
Bromoform	<0.48		1.0	0.48	ug/L			04/02/24 14:25	1
Bromomethane	<0.80		3.0	0.80	ug/L			04/02/24 14:25	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			04/02/24 14:25	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			04/02/24 14:25	1
Chloroethane	<0.51		5.0	0.51	ug/L			04/02/24 14:25	1
Chloroform	<0.37		2.0	0.37	ug/L			04/02/24 14:25	1
Chloromethane	<0.32		5.0	0.32	ug/L			04/02/24 14:25	1
<b>cis-1,2-Dichloroethene</b>	<b>0.96</b>	<b>J</b>	1.0	0.41	ug/L			04/02/24 14:25	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			04/02/24 14:25	1
Chlorodibromomethane	<0.49		1.0	0.49	ug/L			04/02/24 14:25	1
Dibromomethane	<0.27		1.0	0.27	ug/L			04/02/24 14:25	1
Dichlorobromomethane	<0.37		1.0	0.37	ug/L			04/02/24 14:25	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			04/02/24 14:25	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			04/02/24 14:25	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			04/02/24 14:25	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			04/02/24 14:25	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			04/02/24 14:25	1
<b>Methyl tert-butyl ether</b>	<b>2.4</b>		1.0	0.39	ug/L			04/02/24 14:25	1
<b>Methylene Chloride</b>	<b>3.2</b>	<b>J B</b>	5.0	1.6	ug/L			04/02/24 14:25	1
Naphthalene	<0.34		1.0	0.34	ug/L			04/02/24 14:25	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			04/02/24 14:25	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			04/02/24 14:25	1
4-Isopropyltoluene	<0.36		1.0	0.36	ug/L			04/02/24 14:25	1

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# Client Sample Results

Client: Stantec Consulting Corporation  
Project/Site: Chilton Plating - 193709334

Job ID: 500-248055-1

**Client Sample ID: GSMW103**

**Lab Sample ID: 500-248055-6**

Date Collected: 03/21/24 09:45

Matrix: Water

Date Received: 03/26/24 10:20

## Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			04/02/24 14:25	1
Styrene	<0.39		1.0	0.39	ug/L			04/02/24 14:25	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			04/02/24 14:25	1
<b>Tetrachloroethene</b>	<b>0.46</b>	<b>J</b>	1.0	0.37	ug/L			04/02/24 14:25	1
Toluene	<0.15		0.50	0.15	ug/L			04/02/24 14:25	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			04/02/24 14:25	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			04/02/24 14:25	1
<b>Trichloroethene</b>	<b>0.33</b>	<b>J</b>	0.50	0.16	ug/L			04/02/24 14:25	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			04/02/24 14:25	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			04/02/24 14:25	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			04/02/24 14:25	1
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>				<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
1,2-Dichloroethane-d4 (Surr)	122		75 - 126					04/02/24 14:25	1
4-Bromofluorobenzene (Surr)	101		72 - 124					04/02/24 14:25	1
Dibromofluoromethane (Surr)	110		75 - 120					04/02/24 14:25	1
Toluene-d8 (Surr)	98		75 - 120					04/02/24 14:25	1

## Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1-Methylnaphthalene	<0.24		1.6	0.24	ug/L		03/27/24 07:30	03/27/24 20:32	1
2-Methylnaphthalene	<0.053		1.6	0.053	ug/L		03/27/24 07:30	03/27/24 20:32	1
Acenaphthene	<0.25		0.81	0.25	ug/L		03/27/24 07:30	03/27/24 20:32	1
Acenaphthylene	<0.22		0.81	0.22	ug/L		03/27/24 07:30	03/27/24 20:32	1
Anthracene	<0.27		0.81	0.27	ug/L		03/27/24 07:30	03/27/24 20:32	1
Benzo[a]anthracene	<0.046		0.16	0.046	ug/L		03/27/24 07:30	03/27/24 20:32	1
Benzo[a]pyrene	<0.080		0.16	0.080	ug/L		03/27/24 07:30	03/27/24 20:32	1
Benzo[b]fluoranthene	<0.065		0.16	0.065	ug/L		03/27/24 07:30	03/27/24 20:32	1
Benzo[g,h,i]perylene	<0.30		0.81	0.30	ug/L		03/27/24 07:30	03/27/24 20:32	1
Benzo[k]fluoranthene	<0.052		0.16	0.052	ug/L		03/27/24 07:30	03/27/24 20:32	1
Chrysene	<0.055		0.16	0.055	ug/L		03/27/24 07:30	03/27/24 20:32	1
Dibenz(a,h)anthracene	<0.041		0.24	0.041	ug/L		03/27/24 07:30	03/27/24 20:32	1
Fluoranthene	<0.37		0.81	0.37	ug/L		03/27/24 07:30	03/27/24 20:32	1
Fluorene	<0.20		0.81	0.20	ug/L		03/27/24 07:30	03/27/24 20:32	1
Indeno[1,2,3-cd]pyrene	<0.060		0.16	0.060	ug/L		03/27/24 07:30	03/27/24 20:32	1
Naphthalene	<0.25		0.81	0.25	ug/L		03/27/24 07:30	03/27/24 20:32	1
Phenanthrene	<0.24		0.81	0.24	ug/L		03/27/24 07:30	03/27/24 20:32	1
Pyrene	<0.34		0.81	0.34	ug/L		03/27/24 07:30	03/27/24 20:32	1
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>				<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
2-Fluorobiphenyl (Surr)	48		34 - 110				03/27/24 07:30	03/27/24 20:32	1
Nitrobenzene-d5 (Surr)	60		36 - 120				03/27/24 07:30	03/27/24 20:32	1
Terphenyl-d14 (Surr)	85		40 - 145				03/27/24 07:30	03/27/24 20:32	1

## Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Arsenic</b>	<b>0.40</b>	<b>J</b>	1.0	0.23	ug/L		04/03/24 08:46	04/04/24 16:04	1
<b>Barium</b>	<b>230</b>		2.5	0.73	ug/L		04/03/24 08:46	04/04/24 16:04	1
Cadmium	<0.17		0.50	0.17	ug/L		04/03/24 08:46	04/04/24 16:04	1
Chromium	<1.1		5.0	1.1	ug/L		04/03/24 08:46	04/04/24 16:04	1

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# Client Sample Results

Client: Stantec Consulting Corporation  
Project/Site: Chilton Plating - 193709334

Job ID: 500-248055-1

**Client Sample ID: GSMW103**

**Lab Sample ID: 500-248055-6**

**Date Collected: 03/21/24 09:45**

**Matrix: Water**

**Date Received: 03/26/24 10:20**

**Method: SW846 6020B - Metals (ICP/MS) - Dissolved (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	<0.19		0.50	0.19	ug/L		04/03/24 08:46	04/04/24 16:04	1
Selenium	<0.98		2.5	0.98	ug/L		04/03/24 08:46	04/04/24 16:04	1
Silver	<0.12		0.50	0.12	ug/L		04/03/24 08:46	04/04/24 16:04	1

**Method: SW846 7470A - Mercury (CVAA) - Dissolved**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.079		0.20	0.079	ug/L		04/05/24 11:15	04/08/24 08:59	1

# Client Sample Results

Client: Stantec Consulting Corporation  
 Project/Site: Chilton Plating - 193709334

Job ID: 500-248055-1

**Client Sample ID: GSPZ103**

**Lab Sample ID: 500-248055-7**

**Date Collected: 03/21/24 09:55**

**Matrix: Water**

**Date Received: 03/26/24 10:20**

**Method: SW846 8260D - Volatile Organic Compounds by GC/MS**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			04/02/24 14:49	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			04/02/24 14:49	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			04/02/24 14:49	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			04/02/24 14:49	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			04/02/24 14:49	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			04/02/24 14:49	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			04/02/24 14:49	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			04/02/24 14:49	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			04/02/24 14:49	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			04/02/24 14:49	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			04/02/24 14:49	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			04/02/24 14:49	1
Ethylene Dibromide	<0.39		1.0	0.39	ug/L			04/02/24 14:49	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			04/02/24 14:49	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			04/02/24 14:49	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			04/02/24 14:49	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			04/02/24 14:49	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			04/02/24 14:49	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			04/02/24 14:49	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			04/02/24 14:49	1
2,2-Dichloropropane	<0.44		5.0	0.44	ug/L			04/02/24 14:49	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			04/02/24 14:49	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			04/02/24 14:49	1
Benzene	<0.15		0.50	0.15	ug/L			04/02/24 14:49	1
Bromobenzene	<0.36		1.0	0.36	ug/L			04/02/24 14:49	1
Chlorobromomethane	<0.43		1.0	0.43	ug/L			04/02/24 14:49	1
Bromoform	<0.48		1.0	0.48	ug/L			04/02/24 14:49	1
Bromomethane	<0.80		3.0	0.80	ug/L			04/02/24 14:49	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			04/02/24 14:49	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			04/02/24 14:49	1
Chloroethane	<0.51		5.0	0.51	ug/L			04/02/24 14:49	1
Chloroform	<0.37		2.0	0.37	ug/L			04/02/24 14:49	1
Chloromethane	<0.32		5.0	0.32	ug/L			04/02/24 14:49	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			04/02/24 14:49	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			04/02/24 14:49	1
Chlorodibromomethane	<0.49		1.0	0.49	ug/L			04/02/24 14:49	1
Dibromomethane	<0.27		1.0	0.27	ug/L			04/02/24 14:49	1
Dichlorobromomethane	<0.37		1.0	0.37	ug/L			04/02/24 14:49	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			04/02/24 14:49	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			04/02/24 14:49	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			04/02/24 14:49	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			04/02/24 14:49	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			04/02/24 14:49	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			04/02/24 14:49	1
<b>Methylene Chloride</b>	<b>3.0</b>	<b>J B</b>	5.0	1.6	ug/L			04/02/24 14:49	1
Naphthalene	<0.34		1.0	0.34	ug/L			04/02/24 14:49	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			04/02/24 14:49	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			04/02/24 14:49	1
4-Isopropyltoluene	<0.36		1.0	0.36	ug/L			04/02/24 14:49	1

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# Client Sample Results

Client: Stantec Consulting Corporation  
 Project/Site: Chilton Plating - 193709334

Job ID: 500-248055-1

**Client Sample ID: GSPZ103**

**Lab Sample ID: 500-248055-7**

**Date Collected: 03/21/24 09:55**

**Matrix: Water**

**Date Received: 03/26/24 10:20**

**Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			04/02/24 14:49	1
Styrene	<0.39		1.0	0.39	ug/L			04/02/24 14:49	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			04/02/24 14:49	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			04/02/24 14:49	1
Toluene	<0.15		0.50	0.15	ug/L			04/02/24 14:49	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			04/02/24 14:49	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			04/02/24 14:49	1
Trichloroethene	<0.16		0.50	0.16	ug/L			04/02/24 14:49	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			04/02/24 14:49	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			04/02/24 14:49	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			04/02/24 14:49	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	121		75 - 126		04/02/24 14:49	1
4-Bromofluorobenzene (Surr)	99		72 - 124		04/02/24 14:49	1
Dibromofluoromethane (Surr)	112		75 - 120		04/02/24 14:49	1
Toluene-d8 (Surr)	98		75 - 120		04/02/24 14:49	1

**Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1-Methylnaphthalene	<0.24		1.6	0.24	ug/L		03/27/24 07:30	03/27/24 20:54	1
2-Methylnaphthalene	<0.053		1.6	0.053	ug/L		03/27/24 07:30	03/27/24 20:54	1
Acenaphthene	<0.25		0.81	0.25	ug/L		03/27/24 07:30	03/27/24 20:54	1
Acenaphthylene	<0.22		0.81	0.22	ug/L		03/27/24 07:30	03/27/24 20:54	1
Anthracene	<0.27		0.81	0.27	ug/L		03/27/24 07:30	03/27/24 20:54	1
Benzo[a]anthracene	<0.046		0.16	0.046	ug/L		03/27/24 07:30	03/27/24 20:54	1
Benzo[a]pyrene	<0.080		0.16	0.080	ug/L		03/27/24 07:30	03/27/24 20:54	1
Benzo[b]fluoranthene	<0.065		0.16	0.065	ug/L		03/27/24 07:30	03/27/24 20:54	1
Benzo[g,h,i]perylene	<0.30		0.81	0.30	ug/L		03/27/24 07:30	03/27/24 20:54	1
Benzo[k]fluoranthene	<0.052		0.16	0.052	ug/L		03/27/24 07:30	03/27/24 20:54	1
Chrysene	<0.055		0.16	0.055	ug/L		03/27/24 07:30	03/27/24 20:54	1
Dibenz(a,h)anthracene	<0.041		0.24	0.041	ug/L		03/27/24 07:30	03/27/24 20:54	1
Fluoranthene	<0.37		0.81	0.37	ug/L		03/27/24 07:30	03/27/24 20:54	1
Fluorene	<0.20		0.81	0.20	ug/L		03/27/24 07:30	03/27/24 20:54	1
Indeno[1,2,3-cd]pyrene	<0.060		0.16	0.060	ug/L		03/27/24 07:30	03/27/24 20:54	1
Naphthalene	<0.25		0.81	0.25	ug/L		03/27/24 07:30	03/27/24 20:54	1
Phenanthrene	<0.24		0.81	0.24	ug/L		03/27/24 07:30	03/27/24 20:54	1
Pyrene	<0.34		0.81	0.34	ug/L		03/27/24 07:30	03/27/24 20:54	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	71		34 - 110	03/27/24 07:30	03/27/24 20:54	1
Nitrobenzene-d5 (Surr)	79		36 - 120	03/27/24 07:30	03/27/24 20:54	1
Terphenyl-d14 (Surr)	85		40 - 145	03/27/24 07:30	03/27/24 20:54	1

**Method: SW846 6020B - Metals (ICP/MS) - Dissolved**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.23		1.0	0.23	ug/L		04/03/24 08:46	04/05/24 12:06	1
Barium	160		2.5	0.73	ug/L		04/03/24 08:46	04/04/24 16:14	1
Cadmium	<0.17		0.50	0.17	ug/L		04/03/24 08:46	04/04/24 16:14	1
Chromium	<1.1		5.0	1.1	ug/L		04/03/24 08:46	04/04/24 16:14	1

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# Client Sample Results

Client: Stantec Consulting Corporation  
Project/Site: Chilton Plating - 193709334

Job ID: 500-248055-1

**Client Sample ID: GSPZ103**

**Lab Sample ID: 500-248055-7**

**Date Collected: 03/21/24 09:55**

**Matrix: Water**

**Date Received: 03/26/24 10:20**

**Method: SW846 6020B - Metals (ICP/MS) - Dissolved (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	<0.19		0.50	0.19	ug/L		04/03/24 08:46	04/04/24 16:14	1
Selenium	<0.98		2.5	0.98	ug/L		04/03/24 08:46	04/04/24 16:14	1
Silver	<0.12		0.50	0.12	ug/L		04/03/24 08:46	04/04/24 16:14	1

**Method: SW846 7470A - Mercury (CVAA) - Dissolved**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.079		0.20	0.079	ug/L		04/05/24 11:15	04/08/24 09:01	1

# Client Sample Results

Client: Stantec Consulting Corporation  
 Project/Site: Chilton Plating - 193709334

Job ID: 500-248055-1

**Client Sample ID: SMW-1**

**Lab Sample ID: 500-248055-8**

**Date Collected: 03/21/24 13:40**

**Matrix: Water**

**Date Received: 03/26/24 10:20**

**Method: SW846 8260D - Volatile Organic Compounds by GC/MS**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			04/02/24 15:14	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			04/02/24 15:14	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			04/02/24 15:14	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			04/02/24 15:14	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			04/02/24 15:14	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			04/02/24 15:14	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			04/02/24 15:14	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			04/02/24 15:14	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			04/02/24 15:14	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			04/02/24 15:14	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			04/02/24 15:14	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			04/02/24 15:14	1
Ethylene Dibromide	<0.39		1.0	0.39	ug/L			04/02/24 15:14	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			04/02/24 15:14	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			04/02/24 15:14	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			04/02/24 15:14	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			04/02/24 15:14	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			04/02/24 15:14	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			04/02/24 15:14	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			04/02/24 15:14	1
2,2-Dichloropropane	<0.44		5.0	0.44	ug/L			04/02/24 15:14	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			04/02/24 15:14	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			04/02/24 15:14	1
Benzene	<0.15		0.50	0.15	ug/L			04/02/24 15:14	1
Bromobenzene	<0.36		1.0	0.36	ug/L			04/02/24 15:14	1
Chlorobromomethane	<0.43		1.0	0.43	ug/L			04/02/24 15:14	1
Bromoform	<0.48		1.0	0.48	ug/L			04/02/24 15:14	1
Bromomethane	<0.80		3.0	0.80	ug/L			04/02/24 15:14	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			04/02/24 15:14	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			04/02/24 15:14	1
Chloroethane	<0.51		5.0	0.51	ug/L			04/02/24 15:14	1
Chloroform	<0.37		2.0	0.37	ug/L			04/02/24 15:14	1
Chloromethane	<0.32		5.0	0.32	ug/L			04/02/24 15:14	1
<b>cis-1,2-Dichloroethene</b>	<b>22</b>		1.0	0.41	ug/L			04/02/24 15:14	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			04/02/24 15:14	1
Chlorodibromomethane	<0.49		1.0	0.49	ug/L			04/02/24 15:14	1
Dibromomethane	<0.27		1.0	0.27	ug/L			04/02/24 15:14	1
Dichlorobromomethane	<0.37		1.0	0.37	ug/L			04/02/24 15:14	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			04/02/24 15:14	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			04/02/24 15:14	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			04/02/24 15:14	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			04/02/24 15:14	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			04/02/24 15:14	1
<b>Methyl tert-butyl ether</b>	<b>6.2</b>		1.0	0.39	ug/L			04/02/24 15:14	1
<b>Methylene Chloride</b>	<b>3.0 J B</b>		5.0	1.6	ug/L			04/02/24 15:14	1
Naphthalene	<0.34		1.0	0.34	ug/L			04/02/24 15:14	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			04/02/24 15:14	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			04/02/24 15:14	1
4-Isopropyltoluene	<0.36		1.0	0.36	ug/L			04/02/24 15:14	1

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# Client Sample Results

Client: Stantec Consulting Corporation  
 Project/Site: Chilton Plating - 193709334

Job ID: 500-248055-1

**Client Sample ID: SMW-1**

**Lab Sample ID: 500-248055-8**

**Date Collected: 03/21/24 13:40**

**Matrix: Water**

**Date Received: 03/26/24 10:20**

**Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			04/02/24 15:14	1
Styrene	<0.39		1.0	0.39	ug/L			04/02/24 15:14	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			04/02/24 15:14	1
<b>Tetrachloroethene</b>	<b>3.9</b>		1.0	0.37	ug/L			04/02/24 15:14	1
Toluene	<0.15		0.50	0.15	ug/L			04/02/24 15:14	1
<b>trans-1,2-Dichloroethene</b>	<b>5.7</b>		1.0	0.35	ug/L			04/02/24 15:14	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			04/02/24 15:14	1
<b>Trichloroethene</b>	<b>30</b>		0.50	0.16	ug/L			04/02/24 15:14	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			04/02/24 15:14	1
<b>Vinyl chloride</b>	<b>5.2</b>		1.0	0.20	ug/L			04/02/24 15:14	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			04/02/24 15:14	1
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>				<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
1,2-Dichloroethane-d4 (Surr)	121		75 - 126					04/02/24 15:14	1
4-Bromofluorobenzene (Surr)	99		72 - 124					04/02/24 15:14	1
Dibromofluoromethane (Surr)	111		75 - 120					04/02/24 15:14	1
Toluene-d8 (Surr)	100		75 - 120					04/02/24 15:14	1

**Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1-Methylnaphthalene	<0.25		1.6	0.25	ug/L		03/27/24 07:30	03/27/24 21:15	1
2-Methylnaphthalene	<0.054		1.6	0.054	ug/L		03/27/24 07:30	03/27/24 21:15	1
Acenaphthene	<0.25		0.82	0.25	ug/L		03/27/24 07:30	03/27/24 21:15	1
Acenaphthylene	<0.22		0.82	0.22	ug/L		03/27/24 07:30	03/27/24 21:15	1
Anthracene	<0.27		0.82	0.27	ug/L		03/27/24 07:30	03/27/24 21:15	1
Benzo[a]anthracene	<0.047		0.16	0.047	ug/L		03/27/24 07:30	03/27/24 21:15	1
Benzo[a]pyrene	<0.081		0.16	0.081	ug/L		03/27/24 07:30	03/27/24 21:15	1
Benzo[b]fluoranthene	<0.066		0.16	0.066	ug/L		03/27/24 07:30	03/27/24 21:15	1
Benzo[g,h,i]perylene	<0.31		0.82	0.31	ug/L		03/27/24 07:30	03/27/24 21:15	1
Benzo[k]fluoranthene	<0.053		0.16	0.053	ug/L		03/27/24 07:30	03/27/24 21:15	1
Chrysene	<0.056		0.16	0.056	ug/L		03/27/24 07:30	03/27/24 21:15	1
Dibenz(a,h)anthracene	<0.042		0.25	0.042	ug/L		03/27/24 07:30	03/27/24 21:15	1
Fluoranthene	<0.37		0.82	0.37	ug/L		03/27/24 07:30	03/27/24 21:15	1
Fluorene	<0.20		0.82	0.20	ug/L		03/27/24 07:30	03/27/24 21:15	1
Indeno[1,2,3-cd]pyrene	<0.061		0.16	0.061	ug/L		03/27/24 07:30	03/27/24 21:15	1
Naphthalene	<0.25		0.82	0.25	ug/L		03/27/24 07:30	03/27/24 21:15	1
Phenanthrene	<0.25		0.82	0.25	ug/L		03/27/24 07:30	03/27/24 21:15	1
Pyrene	<0.35		0.82	0.35	ug/L		03/27/24 07:30	03/27/24 21:15	1
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>				<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
2-Fluorobiphenyl (Surr)	70		34 - 110				03/27/24 07:30	03/27/24 21:15	1
Nitrobenzene-d5 (Surr)	83		36 - 120				03/27/24 07:30	03/27/24 21:15	1
Terphenyl-d14 (Surr)	81		40 - 145				03/27/24 07:30	03/27/24 21:15	1

**Method: SW846 6020B - Metals (ICP/MS) - Dissolved**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Arsenic</b>	<b>0.33</b>	<b>J</b>	1.0	0.23	ug/L		04/03/24 08:46	04/05/24 12:09	1
<b>Barium</b>	<b>97</b>		2.5	0.73	ug/L		04/03/24 08:46	04/04/24 16:18	1
Cadmium	<0.17		0.50	0.17	ug/L		04/03/24 08:46	04/04/24 16:18	1
<b>Chromium</b>	<b>4.6</b>	<b>J</b>	5.0	1.1	ug/L		04/03/24 08:46	04/04/24 16:18	1

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# Client Sample Results

Client: Stantec Consulting Corporation  
Project/Site: Chilton Plating - 193709334

Job ID: 500-248055-1

**Client Sample ID: SMW-1**  
**Date Collected: 03/21/24 13:40**  
**Date Received: 03/26/24 10:20**

**Lab Sample ID: 500-248055-8**  
**Matrix: Water**

**Method: SW846 6020B - Metals (ICP/MS) - Dissolved (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	<0.19		0.50	0.19	ug/L		04/03/24 08:46	04/04/24 16:18	1
Selenium	<0.98		2.5	0.98	ug/L		04/03/24 08:46	04/04/24 16:18	1
Silver	<0.12		0.50	0.12	ug/L		04/03/24 08:46	04/04/24 16:18	1

**Method: SW846 7470A - Mercury (CVAA) - Dissolved**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.079		0.20	0.079	ug/L		04/05/24 11:15	04/08/24 09:07	1

# Client Sample Results

Client: Stantec Consulting Corporation  
 Project/Site: Chilton Plating - 193709334

Job ID: 500-248055-1

**Client Sample ID: SMW-2**

**Lab Sample ID: 500-248055-9**

**Date Collected: 03/21/24 16:00**

**Matrix: Water**

**Date Received: 03/26/24 10:20**

**Method: SW846 8260D - Volatile Organic Compounds by GC/MS**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			04/02/24 15:38	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			04/02/24 15:38	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			04/02/24 15:38	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			04/02/24 15:38	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			04/02/24 15:38	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			04/02/24 15:38	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			04/02/24 15:38	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			04/02/24 15:38	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			04/02/24 15:38	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			04/02/24 15:38	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			04/02/24 15:38	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			04/02/24 15:38	1
Ethylene Dibromide	<0.39		1.0	0.39	ug/L			04/02/24 15:38	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			04/02/24 15:38	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			04/02/24 15:38	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			04/02/24 15:38	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			04/02/24 15:38	1
<b>1,3-Dichlorobenzene</b>	<b>0.63</b>	<b>J</b>	1.0	0.40	ug/L			04/02/24 15:38	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			04/02/24 15:38	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			04/02/24 15:38	1
2,2-Dichloropropane	<0.44		5.0	0.44	ug/L			04/02/24 15:38	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			04/02/24 15:38	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			04/02/24 15:38	1
Benzene	<0.15		0.50	0.15	ug/L			04/02/24 15:38	1
Bromobenzene	<0.36		1.0	0.36	ug/L			04/02/24 15:38	1
Chlorobromomethane	<0.43	F1	1.0	0.43	ug/L			04/02/24 15:38	1
Bromoform	<0.48		1.0	0.48	ug/L			04/02/24 15:38	1
Bromomethane	<0.80		3.0	0.80	ug/L			04/02/24 15:38	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			04/02/24 15:38	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			04/02/24 15:38	1
Chloroethane	<0.51		5.0	0.51	ug/L			04/02/24 15:38	1
Chloroform	<0.37		2.0	0.37	ug/L			04/02/24 15:38	1
Chloromethane	<0.32		5.0	0.32	ug/L			04/02/24 15:38	1
<b>cis-1,2-Dichloroethene</b>	<b>1.1</b>		1.0	0.41	ug/L			04/02/24 15:38	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			04/02/24 15:38	1
Chlorodibromomethane	<0.49		1.0	0.49	ug/L			04/02/24 15:38	1
Dibromomethane	<0.27		1.0	0.27	ug/L			04/02/24 15:38	1
Dichlorobromomethane	<0.37		1.0	0.37	ug/L			04/02/24 15:38	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			04/02/24 15:38	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			04/02/24 15:38	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			04/02/24 15:38	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			04/02/24 15:38	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			04/02/24 15:38	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			04/02/24 15:38	1
<b>Methylene Chloride</b>	<b>3.3</b>	<b>J B</b>	5.0	1.6	ug/L			04/02/24 15:38	1
Naphthalene	<0.34		1.0	0.34	ug/L			04/02/24 15:38	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			04/02/24 15:38	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			04/02/24 15:38	1
4-Isopropyltoluene	<0.36		1.0	0.36	ug/L			04/02/24 15:38	1

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# Client Sample Results

Client: Stantec Consulting Corporation  
 Project/Site: Chilton Plating - 193709334

Job ID: 500-248055-1

**Client Sample ID: SMW-2**

**Lab Sample ID: 500-248055-9**

**Date Collected: 03/21/24 16:00**

**Matrix: Water**

**Date Received: 03/26/24 10:20**

**Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			04/02/24 15:38	1
Styrene	<0.39		1.0	0.39	ug/L			04/02/24 15:38	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			04/02/24 15:38	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			04/02/24 15:38	1
Toluene	<0.15		0.50	0.15	ug/L			04/02/24 15:38	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			04/02/24 15:38	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			04/02/24 15:38	1
<b>Trichloroethene</b>	<b>3.8</b>		0.50	0.16	ug/L			04/02/24 15:38	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			04/02/24 15:38	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			04/02/24 15:38	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			04/02/24 15:38	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	126		75 - 126		04/02/24 15:38	1
4-Bromofluorobenzene (Surr)	99		72 - 124		04/02/24 15:38	1
Dibromofluoromethane (Surr)	112		75 - 120		04/02/24 15:38	1
Toluene-d8 (Surr)	98		75 - 120		04/02/24 15:38	1

**Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1-Methylnaphthalene	<0.24		1.6	0.24	ug/L		03/27/24 07:30	03/27/24 21:37	1
2-Methylnaphthalene	<0.052		1.6	0.052	ug/L		03/27/24 07:30	03/27/24 21:37	1
Acenaphthene	<0.24		0.79	0.24	ug/L		03/27/24 07:30	03/27/24 21:37	1
Acenaphthylene	<0.21		0.79	0.21	ug/L		03/27/24 07:30	03/27/24 21:37	1
Anthracene	<0.26		0.79	0.26	ug/L		03/27/24 07:30	03/27/24 21:37	1
Benzo[a]anthracene	<0.045		0.16	0.045	ug/L		03/27/24 07:30	03/27/24 21:37	1
Benzo[a]pyrene	<0.078		0.16	0.078	ug/L		03/27/24 07:30	03/27/24 21:37	1
Benzo[b]fluoranthene	<0.064		0.16	0.064	ug/L		03/27/24 07:30	03/27/24 21:37	1
Benzo[g,h,i]perylene	<0.30		0.79	0.30	ug/L		03/27/24 07:30	03/27/24 21:37	1
Benzo[k]fluoranthene	<0.051		0.16	0.051	ug/L		03/27/24 07:30	03/27/24 21:37	1
Chrysene	<0.054		0.16	0.054	ug/L		03/27/24 07:30	03/27/24 21:37	1
Dibenz(a,h)anthracene	<0.040		0.24	0.040	ug/L		03/27/24 07:30	03/27/24 21:37	1
Fluoranthene	<0.36		0.79	0.36	ug/L		03/27/24 07:30	03/27/24 21:37	1
Fluorene	<0.19		0.79	0.19	ug/L		03/27/24 07:30	03/27/24 21:37	1
Indeno[1,2,3-cd]pyrene	<0.059		0.16	0.059	ug/L		03/27/24 07:30	03/27/24 21:37	1
Naphthalene	<0.24		0.79	0.24	ug/L		03/27/24 07:30	03/27/24 21:37	1
Phenanthrene	<0.24		0.79	0.24	ug/L		03/27/24 07:30	03/27/24 21:37	1
Pyrene	<0.34		0.79	0.34	ug/L		03/27/24 07:30	03/27/24 21:37	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	59		34 - 110	03/27/24 07:30	03/27/24 21:37	1
Nitrobenzene-d5 (Surr)	69		36 - 120	03/27/24 07:30	03/27/24 21:37	1
Terphenyl-d14 (Surr)	83		40 - 145	03/27/24 07:30	03/27/24 21:37	1

**Method: SW846 6020B - Metals (ICP/MS) - Dissolved**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.23		1.0	0.23	ug/L		04/03/24 08:46	04/05/24 12:13	1
<b>Barium</b>	<b>31</b>		2.5	0.73	ug/L		04/03/24 08:46	04/04/24 16:21	1
Cadmium	<0.17		0.50	0.17	ug/L		04/03/24 08:46	04/04/24 16:21	1
<b>Chromium</b>	<b>10</b>		5.0	1.1	ug/L		04/03/24 08:46	04/04/24 16:21	1

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# Client Sample Results

Client: Stantec Consulting Corporation  
Project/Site: Chilton Plating - 193709334

Job ID: 500-248055-1

**Client Sample ID: SMW-2**

**Date Collected: 03/21/24 16:00**

**Date Received: 03/26/24 10:20**

**Lab Sample ID: 500-248055-9**

**Matrix: Water**

**Method: SW846 6020B - Metals (ICP/MS) - Dissolved (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	<0.19		0.50	0.19	ug/L		04/03/24 08:46	04/04/24 16:21	1
Selenium	<0.98		2.5	0.98	ug/L		04/03/24 08:46	04/04/24 16:21	1
Silver	<0.12		0.50	0.12	ug/L		04/03/24 08:46	04/04/24 16:21	1

**Method: SW846 7470A - Mercury (CVAA) - Dissolved**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.079		0.20	0.079	ug/L		04/05/24 11:15	04/08/24 09:09	1

# Client Sample Results

Client: Stantec Consulting Corporation  
 Project/Site: Chilton Plating - 193709334

Job ID: 500-248055-1

**Client Sample ID: SMW-3**

**Lab Sample ID: 500-248055-10**

**Date Collected: 03/21/24 18:15**

**Matrix: Water**

**Date Received: 03/26/24 10:20**

**Method: SW846 8260D - Volatile Organic Compounds by GC/MS**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			04/02/24 16:03	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			04/02/24 16:03	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			04/02/24 16:03	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			04/02/24 16:03	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			04/02/24 16:03	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			04/02/24 16:03	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			04/02/24 16:03	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			04/02/24 16:03	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			04/02/24 16:03	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			04/02/24 16:03	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			04/02/24 16:03	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			04/02/24 16:03	1
Ethylene Dibromide	<0.39		1.0	0.39	ug/L			04/02/24 16:03	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			04/02/24 16:03	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			04/02/24 16:03	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			04/02/24 16:03	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			04/02/24 16:03	1
<b>1,3-Dichlorobenzene</b>	<b>0.42</b>	<b>J</b>	1.0	0.40	ug/L			04/02/24 16:03	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			04/02/24 16:03	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			04/02/24 16:03	1
2,2-Dichloropropane	<0.44		5.0	0.44	ug/L			04/02/24 16:03	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			04/02/24 16:03	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			04/02/24 16:03	1
<b>Benzene</b>	<b>0.16</b>	<b>J</b>	0.50	0.15	ug/L			04/02/24 16:03	1
Bromobenzene	<0.36		1.0	0.36	ug/L			04/02/24 16:03	1
Chlorobromomethane	<0.43		1.0	0.43	ug/L			04/02/24 16:03	1
Bromoform	<0.48		1.0	0.48	ug/L			04/02/24 16:03	1
Bromomethane	<0.80		3.0	0.80	ug/L			04/02/24 16:03	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			04/02/24 16:03	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			04/02/24 16:03	1
Chloroethane	<0.51		5.0	0.51	ug/L			04/02/24 16:03	1
<b>Chloroform</b>	<b>0.45</b>	<b>J</b>	2.0	0.37	ug/L			04/02/24 16:03	1
Chloromethane	<0.32		5.0	0.32	ug/L			04/02/24 16:03	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			04/02/24 16:03	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			04/02/24 16:03	1
Chlorodibromomethane	<0.49		1.0	0.49	ug/L			04/02/24 16:03	1
Dibromomethane	<0.27		1.0	0.27	ug/L			04/02/24 16:03	1
Dichlorobromomethane	<0.37		1.0	0.37	ug/L			04/02/24 16:03	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			04/02/24 16:03	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			04/02/24 16:03	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			04/02/24 16:03	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			04/02/24 16:03	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			04/02/24 16:03	1
<b>Methylene Chloride</b>	<b>3.4</b>	<b>J B</b>	5.0	1.6	ug/L			04/02/24 16:03	1
Naphthalene	<0.34		1.0	0.34	ug/L			04/02/24 16:03	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			04/02/24 16:03	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			04/02/24 16:03	1
4-Isopropyltoluene	<0.36		1.0	0.36	ug/L			04/02/24 16:03	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			04/02/24 16:03	1

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# Client Sample Results

Client: Stantec Consulting Corporation  
 Project/Site: Chilton Plating - 193709334

Job ID: 500-248055-1

**Client Sample ID: SMW-3**

**Lab Sample ID: 500-248055-10**

**Date Collected: 03/21/24 18:15**

**Matrix: Water**

**Date Received: 03/26/24 10:20**

## Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Styrene	<0.39		1.0	0.39	ug/L			04/02/24 16:03	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			04/02/24 16:03	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			04/02/24 16:03	1
Toluene	<0.15		0.50	0.15	ug/L			04/02/24 16:03	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			04/02/24 16:03	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			04/02/24 16:03	1
Trichloroethene	<0.16		0.50	0.16	ug/L			04/02/24 16:03	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			04/02/24 16:03	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			04/02/24 16:03	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			04/02/24 16:03	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	123		75 - 126		04/02/24 16:03	1
4-Bromofluorobenzene (Surr)	104		72 - 124		04/02/24 16:03	1
Dibromofluoromethane (Surr)	109		75 - 120		04/02/24 16:03	1
Toluene-d8 (Surr)	100		75 - 120		04/02/24 16:03	1

## Method: SW846 8260D - Volatile Organic Compounds by GC/MS - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	110		10	3.9	ug/L			04/03/24 12:30	10

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	120		75 - 126		04/03/24 12:30	10
4-Bromofluorobenzene (Surr)	96		72 - 124		04/03/24 12:30	10
Dibromofluoromethane (Surr)	112		75 - 120		04/03/24 12:30	10
Toluene-d8 (Surr)	97		75 - 120		04/03/24 12:30	10

## Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1-Methylnaphthalene	<0.25		1.7	0.25	ug/L		03/27/24 07:30	03/27/24 21:58	1
2-Methylnaphthalene	<0.055		1.7	0.055	ug/L		03/27/24 07:30	03/27/24 21:58	1
Acenaphthene	<0.26		0.84	0.26	ug/L		03/27/24 07:30	03/27/24 21:58	1
Acenaphthylene	<0.22		0.84	0.22	ug/L		03/27/24 07:30	03/27/24 21:58	1
Anthracene	<0.28		0.84	0.28	ug/L		03/27/24 07:30	03/27/24 21:58	1
Benzo[a]anthracene	<0.048		0.17	0.048	ug/L		03/27/24 07:30	03/27/24 21:58	1
Benzo[a]pyrene	<0.083		0.17	0.083	ug/L		03/27/24 07:30	03/27/24 21:58	1
Benzo[b]fluoranthene	<0.068		0.17	0.068	ug/L		03/27/24 07:30	03/27/24 21:58	1
Benzo[g,h,i]perylene	<0.31		0.84	0.31	ug/L		03/27/24 07:30	03/27/24 21:58	1
Benzo[k]fluoranthene	<0.054		0.17	0.054	ug/L		03/27/24 07:30	03/27/24 21:58	1
Chrysene	<0.057		0.17	0.057	ug/L		03/27/24 07:30	03/27/24 21:58	1
Dibenz(a,h)anthracene	<0.043		0.25	0.043	ug/L		03/27/24 07:30	03/27/24 21:58	1
Fluoranthene	<0.38		0.84	0.38	ug/L		03/27/24 07:30	03/27/24 21:58	1
Fluorene	<0.20		0.84	0.20	ug/L		03/27/24 07:30	03/27/24 21:58	1
Indeno[1,2,3-cd]pyrene	<0.063		0.17	0.063	ug/L		03/27/24 07:30	03/27/24 21:58	1
Naphthalene	<0.26		0.84	0.26	ug/L		03/27/24 07:30	03/27/24 21:58	1
Phenanthrene	<0.25		0.84	0.25	ug/L		03/27/24 07:30	03/27/24 21:58	1
Pyrene	<0.36		0.84	0.36	ug/L		03/27/24 07:30	03/27/24 21:58	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	67		34 - 110	03/27/24 07:30	03/27/24 21:58	1
Nitrobenzene-d5 (Surr)	77		36 - 120	03/27/24 07:30	03/27/24 21:58	1

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# Client Sample Results

Client: Stantec Consulting Corporation  
 Project/Site: Chilton Plating - 193709334

Job ID: 500-248055-1

**Client Sample ID: SMW-3**

**Lab Sample ID: 500-248055-10**

Date Collected: 03/21/24 18:15

Matrix: Water

Date Received: 03/26/24 10:20

**Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)**

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Terphenyl-d14 (Surr)	79		40 - 145	03/27/24 07:30	03/27/24 21:58	1

**Method: SW846 6020B - Metals (ICP/MS) - Dissolved**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Arsenic</b>	<b>2.1</b>		1.0	0.23	ug/L		04/03/24 08:46	04/05/24 12:16	1
<b>Barium</b>	<b>97</b>		2.5	0.73	ug/L		04/03/24 08:46	04/04/24 16:25	1
Cadmium	<0.17		0.50	0.17	ug/L		04/03/24 08:46	04/04/24 16:25	1
Chromium	<1.1		5.0	1.1	ug/L		04/03/24 08:46	04/04/24 16:25	1
Lead	<0.19		0.50	0.19	ug/L		04/03/24 08:46	04/04/24 16:25	1
Selenium	<0.98		2.5	0.98	ug/L		04/03/24 08:46	04/04/24 16:25	1
Silver	<0.12		0.50	0.12	ug/L		04/03/24 08:46	04/04/24 16:25	1

**Method: SW846 7470A - Mercury (CVAA) - Dissolved**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.079		0.20	0.079	ug/L		04/05/24 11:15	04/08/24 09:18	1

# Client Sample Results

Client: Stantec Consulting Corporation  
 Project/Site: Chilton Plating - 193709334

Job ID: 500-248055-1

**Client Sample ID: SMW-5**

**Lab Sample ID: 500-248055-11**

**Date Collected: 03/21/24 15:30**

**Matrix: Water**

**Date Received: 03/26/24 10:20**

**Method: SW846 8260D - Volatile Organic Compounds by GC/MS**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			04/02/24 16:27	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			04/02/24 16:27	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			04/02/24 16:27	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			04/02/24 16:27	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			04/02/24 16:27	1
<b>1,1-Dichloroethene</b>	<b>0.73</b>	<b>J</b>	1.0	0.39	ug/L			04/02/24 16:27	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			04/02/24 16:27	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			04/02/24 16:27	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			04/02/24 16:27	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			04/02/24 16:27	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			04/02/24 16:27	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			04/02/24 16:27	1
Ethylene Dibromide	<0.39		1.0	0.39	ug/L			04/02/24 16:27	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			04/02/24 16:27	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			04/02/24 16:27	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			04/02/24 16:27	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			04/02/24 16:27	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			04/02/24 16:27	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			04/02/24 16:27	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			04/02/24 16:27	1
2,2-Dichloropropane	<0.44		5.0	0.44	ug/L			04/02/24 16:27	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			04/02/24 16:27	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			04/02/24 16:27	1
Benzene	<0.15		0.50	0.15	ug/L			04/02/24 16:27	1
Bromobenzene	<0.36		1.0	0.36	ug/L			04/02/24 16:27	1
Chlorobromomethane	<0.43		1.0	0.43	ug/L			04/02/24 16:27	1
Bromoform	<0.48		1.0	0.48	ug/L			04/02/24 16:27	1
Bromomethane	<0.80		3.0	0.80	ug/L			04/02/24 16:27	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			04/02/24 16:27	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			04/02/24 16:27	1
Chloroethane	<0.51		5.0	0.51	ug/L			04/02/24 16:27	1
Chloroform	<0.37		2.0	0.37	ug/L			04/02/24 16:27	1
Chloromethane	<0.32		5.0	0.32	ug/L			04/02/24 16:27	1
<b>cis-1,2-Dichloroethene</b>	<b>160</b>		1.0	0.41	ug/L			04/02/24 16:27	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			04/02/24 16:27	1
Chlorodibromomethane	<0.49		1.0	0.49	ug/L			04/02/24 16:27	1
Dibromomethane	<0.27		1.0	0.27	ug/L			04/02/24 16:27	1
Dichlorobromomethane	<0.37		1.0	0.37	ug/L			04/02/24 16:27	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			04/02/24 16:27	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			04/02/24 16:27	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			04/02/24 16:27	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			04/02/24 16:27	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			04/02/24 16:27	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			04/02/24 16:27	1
<b>Methylene Chloride</b>	<b>3.2</b>	<b>J B</b>	5.0	1.6	ug/L			04/02/24 16:27	1
Naphthalene	<0.34		1.0	0.34	ug/L			04/02/24 16:27	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			04/02/24 16:27	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			04/02/24 16:27	1
4-Isopropyltoluene	<0.36		1.0	0.36	ug/L			04/02/24 16:27	1

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# Client Sample Results

Client: Stantec Consulting Corporation  
 Project/Site: Chilton Plating - 193709334

Job ID: 500-248055-1

**Client Sample ID: SMW-5**

**Lab Sample ID: 500-248055-11**

**Date Collected: 03/21/24 15:30**

**Matrix: Water**

**Date Received: 03/26/24 10:20**

**Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			04/02/24 16:27	1
Styrene	<0.39		1.0	0.39	ug/L			04/02/24 16:27	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			04/02/24 16:27	1
<b>Tetrachloroethene</b>	<b>23</b>		1.0	0.37	ug/L			04/02/24 16:27	1
Toluene	<0.15		0.50	0.15	ug/L			04/02/24 16:27	1
<b>trans-1,2-Dichloroethene</b>	<b>200</b>		1.0	0.35	ug/L			04/02/24 16:27	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			04/02/24 16:27	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			04/02/24 16:27	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			04/02/24 16:27	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			04/02/24 16:27	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	122		75 - 126		04/02/24 16:27	1
4-Bromofluorobenzene (Surr)	99		72 - 124		04/02/24 16:27	1
Dibromofluoromethane (Surr)	108		75 - 120		04/02/24 16:27	1
Toluene-d8 (Surr)	98		75 - 120		04/02/24 16:27	1

**Method: SW846 8260D - Volatile Organic Compounds by GC/MS - DL**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Trichloroethene</b>	<b>470</b>		5.0	1.6	ug/L			04/03/24 12:54	10

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	121		75 - 126		04/03/24 12:54	10
4-Bromofluorobenzene (Surr)	96		72 - 124		04/03/24 12:54	10
Dibromofluoromethane (Surr)	112		75 - 120		04/03/24 12:54	10
Toluene-d8 (Surr)	96		75 - 120		04/03/24 12:54	10

**Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1-Methylnaphthalene	<0.27		1.8	0.27	ug/L		03/27/24 07:30	03/27/24 22:20	1
2-Methylnaphthalene	<0.059		1.8	0.059	ug/L		03/27/24 07:30	03/27/24 22:20	1
Acenaphthene	<0.28		0.90	0.28	ug/L		03/27/24 07:30	03/27/24 22:20	1
Acenaphthylene	<0.24		0.90	0.24	ug/L		03/27/24 07:30	03/27/24 22:20	1
Anthracene	<0.30		0.90	0.30	ug/L		03/27/24 07:30	03/27/24 22:20	1
Benzo[a]anthracene	<0.051		0.18	0.051	ug/L		03/27/24 07:30	03/27/24 22:20	1
Benzo[a]pyrene	<0.089		0.18	0.089	ug/L		03/27/24 07:30	03/27/24 22:20	1
Benzo[b]fluoranthene	<0.073		0.18	0.073	ug/L		03/27/24 07:30	03/27/24 22:20	1
Benzo[g,h,i]perylene	<0.34		0.90	0.34	ug/L		03/27/24 07:30	03/27/24 22:20	1
Benzo[k]fluoranthene	<0.058		0.18	0.058	ug/L		03/27/24 07:30	03/27/24 22:20	1
Chrysene	<0.062		0.18	0.062	ug/L		03/27/24 07:30	03/27/24 22:20	1
Dibenz(a,h)anthracene	<0.046		0.27	0.046	ug/L		03/27/24 07:30	03/27/24 22:20	1
Fluoranthene	<0.41		0.90	0.41	ug/L		03/27/24 07:30	03/27/24 22:20	1
Fluorene	<0.22		0.90	0.22	ug/L		03/27/24 07:30	03/27/24 22:20	1
Indeno[1,2,3-cd]pyrene	<0.068		0.18	0.068	ug/L		03/27/24 07:30	03/27/24 22:20	1
Naphthalene	<0.28		0.90	0.28	ug/L		03/27/24 07:30	03/27/24 22:20	1
Phenanthrene	<0.27		0.90	0.27	ug/L		03/27/24 07:30	03/27/24 22:20	1
Pyrene	<0.39		0.90	0.39	ug/L		03/27/24 07:30	03/27/24 22:20	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	71		34 - 110	03/27/24 07:30	03/27/24 22:20	1
Nitrobenzene-d5 (Surr)	80		36 - 120	03/27/24 07:30	03/27/24 22:20	1

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# Client Sample Results

Client: Stantec Consulting Corporation  
 Project/Site: Chilton Plating - 193709334

Job ID: 500-248055-1

**Client Sample ID: SMW-5**

**Lab Sample ID: 500-248055-11**

Date Collected: 03/21/24 15:30

Matrix: Water

Date Received: 03/26/24 10:20

**Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)**

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Terphenyl-d14 (Surr)	86		40 - 145	03/27/24 07:30	03/27/24 22:20	1

**Method: SW846 6020B - Metals (ICP/MS) - Dissolved**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.30	J	1.0	0.23	ug/L		04/03/24 08:46	04/05/24 12:20	1
Barium	30		2.5	0.73	ug/L		04/03/24 08:46	04/04/24 16:28	1
Cadmium	0.89		0.50	0.17	ug/L		04/03/24 08:46	04/04/24 16:28	1
Chromium	2.5	J	5.0	1.1	ug/L		04/03/24 08:46	04/04/24 16:28	1
Lead	<0.19		0.50	0.19	ug/L		04/03/24 08:46	04/04/24 16:28	1
Selenium	<0.98		2.5	0.98	ug/L		04/03/24 08:46	04/04/24 16:28	1
Silver	<0.12		0.50	0.12	ug/L		04/03/24 08:46	04/04/24 16:28	1

**Method: SW846 7470A - Mercury (CVAA) - Dissolved**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.079		0.20	0.079	ug/L		04/05/24 11:15	04/08/24 09:20	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Amenable (SW846 9012B)	0.016		0.0050	0.0036	mg/L			04/04/24 08:37	1
Cyanide, Total (SW846 9012B)	0.021		0.0050	0.0036	mg/L		03/27/24 13:55	03/27/24 15:38	1

# Client Sample Results

Client: Stantec Consulting Corporation  
 Project/Site: Chilton Plating - 193709334

Job ID: 500-248055-1

**Client Sample ID: SMW-6**

**Lab Sample ID: 500-248055-12**

**Date Collected: 03/21/24 13:00**

**Matrix: Water**

**Date Received: 03/26/24 10:20**

**Method: SW846 8260D - Volatile Organic Compounds by GC/MS**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			04/02/24 16:52	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			04/02/24 16:52	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			04/02/24 16:52	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			04/02/24 16:52	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			04/02/24 16:52	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			04/02/24 16:52	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			04/02/24 16:52	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			04/02/24 16:52	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			04/02/24 16:52	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			04/02/24 16:52	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			04/02/24 16:52	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			04/02/24 16:52	1
Ethylene Dibromide	<0.39		1.0	0.39	ug/L			04/02/24 16:52	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			04/02/24 16:52	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			04/02/24 16:52	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			04/02/24 16:52	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			04/02/24 16:52	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			04/02/24 16:52	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			04/02/24 16:52	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			04/02/24 16:52	1
2,2-Dichloropropane	<0.44		5.0	0.44	ug/L			04/02/24 16:52	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			04/02/24 16:52	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			04/02/24 16:52	1
Benzene	<0.15		0.50	0.15	ug/L			04/02/24 16:52	1
Bromobenzene	<0.36		1.0	0.36	ug/L			04/02/24 16:52	1
Chlorobromomethane	<0.43		1.0	0.43	ug/L			04/02/24 16:52	1
Bromoform	<0.48		1.0	0.48	ug/L			04/02/24 16:52	1
Bromomethane	<0.80		3.0	0.80	ug/L			04/02/24 16:52	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			04/02/24 16:52	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			04/02/24 16:52	1
Chloroethane	<0.51		5.0	0.51	ug/L			04/02/24 16:52	1
Chloroform	<0.37		2.0	0.37	ug/L			04/02/24 16:52	1
Chloromethane	<0.32		5.0	0.32	ug/L			04/02/24 16:52	1
<b>cis-1,2-Dichloroethene</b>	<b>0.59</b>	<b>J</b>	1.0	0.41	ug/L			04/02/24 16:52	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			04/02/24 16:52	1
Chlorodibromomethane	<0.49		1.0	0.49	ug/L			04/02/24 16:52	1
Dibromomethane	<0.27		1.0	0.27	ug/L			04/02/24 16:52	1
Dichlorobromomethane	<0.37		1.0	0.37	ug/L			04/02/24 16:52	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			04/02/24 16:52	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			04/02/24 16:52	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			04/02/24 16:52	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			04/02/24 16:52	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			04/02/24 16:52	1
<b>Methyl tert-butyl ether</b>	<b>9.9</b>		1.0	0.39	ug/L			04/02/24 16:52	1
<b>Methylene Chloride</b>	<b>3.3</b>	<b>J B</b>	5.0	1.6	ug/L			04/02/24 16:52	1
Naphthalene	<0.34		1.0	0.34	ug/L			04/02/24 16:52	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			04/02/24 16:52	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			04/02/24 16:52	1
4-Isopropyltoluene	<0.36		1.0	0.36	ug/L			04/02/24 16:52	1

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# Client Sample Results

Client: Stantec Consulting Corporation  
 Project/Site: Chilton Plating - 193709334

Job ID: 500-248055-1

**Client Sample ID: SMW-6**

**Lab Sample ID: 500-248055-12**

**Date Collected: 03/21/24 13:00**

**Matrix: Water**

**Date Received: 03/26/24 10:20**

**Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			04/02/24 16:52	1
Styrene	<0.39		1.0	0.39	ug/L			04/02/24 16:52	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			04/02/24 16:52	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			04/02/24 16:52	1
Toluene	<0.15		0.50	0.15	ug/L			04/02/24 16:52	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			04/02/24 16:52	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			04/02/24 16:52	1
<b>Trichloroethene</b>	<b>0.37</b>	<b>J</b>	0.50	0.16	ug/L			04/02/24 16:52	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			04/02/24 16:52	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			04/02/24 16:52	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			04/02/24 16:52	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	122		75 - 126		04/02/24 16:52	1
4-Bromofluorobenzene (Surr)	100		72 - 124		04/02/24 16:52	1
Dibromofluoromethane (Surr)	111		75 - 120		04/02/24 16:52	1
Toluene-d8 (Surr)	98		75 - 120		04/02/24 16:52	1

**Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1-Methylnaphthalene	<0.25		1.7	0.25	ug/L		03/27/24 07:30	03/27/24 22:41	1
2-Methylnaphthalene	<0.054		1.7	0.054	ug/L		03/27/24 07:30	03/27/24 22:41	1
Acenaphthene	<0.26		0.83	0.26	ug/L		03/27/24 07:30	03/27/24 22:41	1
Acenaphthylene	<0.22		0.83	0.22	ug/L		03/27/24 07:30	03/27/24 22:41	1
Anthracene	<0.28		0.83	0.28	ug/L		03/27/24 07:30	03/27/24 22:41	1
Benzo[a]anthracene	<0.047		0.17	0.047	ug/L		03/27/24 07:30	03/27/24 22:41	1
Benzo[a]pyrene	<0.082		0.17	0.082	ug/L		03/27/24 07:30	03/27/24 22:41	1
Benzo[b]fluoranthene	<0.067		0.17	0.067	ug/L		03/27/24 07:30	03/27/24 22:41	1
Benzo[g,h,i]perylene	<0.31		0.83	0.31	ug/L		03/27/24 07:30	03/27/24 22:41	1
Benzo[k]fluoranthene	<0.053		0.17	0.053	ug/L		03/27/24 07:30	03/27/24 22:41	1
Chrysene	<0.056		0.17	0.056	ug/L		03/27/24 07:30	03/27/24 22:41	1
Dibenz(a,h)anthracene	<0.042		0.25	0.042	ug/L		03/27/24 07:30	03/27/24 22:41	1
Fluoranthene	<0.37		0.83	0.37	ug/L		03/27/24 07:30	03/27/24 22:41	1
Fluorene	<0.20		0.83	0.20	ug/L		03/27/24 07:30	03/27/24 22:41	1
Indeno[1,2,3-cd]pyrene	<0.062		0.17	0.062	ug/L		03/27/24 07:30	03/27/24 22:41	1
Naphthalene	<0.26		0.83	0.26	ug/L		03/27/24 07:30	03/27/24 22:41	1
Phenanthrene	<0.25		0.83	0.25	ug/L		03/27/24 07:30	03/27/24 22:41	1
Pyrene	<0.35		0.83	0.35	ug/L		03/27/24 07:30	03/27/24 22:41	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	68		34 - 110	03/27/24 07:30	03/27/24 22:41	1
Nitrobenzene-d5 (Surr)	82		36 - 120	03/27/24 07:30	03/27/24 22:41	1
Terphenyl-d14 (Surr)	83		40 - 145	03/27/24 07:30	03/27/24 22:41	1

**Method: SW846 6020B - Metals (ICP/MS) - Dissolved**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Arsenic</b>	<b>0.24</b>	<b>J</b>	1.0	0.23	ug/L		04/03/24 08:46	04/05/24 12:23	1
<b>Barium</b>	<b>85</b>		2.5	0.73	ug/L		04/03/24 08:46	04/04/24 16:31	1
Cadmium	<0.17		0.50	0.17	ug/L		04/03/24 08:46	04/04/24 16:31	1
Chromium	<1.1		5.0	1.1	ug/L		04/03/24 08:46	04/04/24 16:31	1

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# Client Sample Results

Client: Stantec Consulting Corporation  
Project/Site: Chilton Plating - 193709334

Job ID: 500-248055-1

**Client Sample ID: SMW-6**

**Lab Sample ID: 500-248055-12**

**Date Collected: 03/21/24 13:00**

**Matrix: Water**

**Date Received: 03/26/24 10:20**

**Method: SW846 6020B - Metals (ICP/MS) - Dissolved (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	<0.19		0.50	0.19	ug/L		04/03/24 08:46	04/04/24 16:31	1
Selenium	<0.98		2.5	0.98	ug/L		04/03/24 08:46	04/04/24 16:31	1
Silver	<0.12		0.50	0.12	ug/L		04/03/24 08:46	04/04/24 16:31	1

**Method: SW846 7470A - Mercury (CVAA) - Dissolved**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.079		0.20	0.079	ug/L		04/05/24 11:15	04/08/24 09:22	1

# Client Sample Results

Client: Stantec Consulting Corporation  
 Project/Site: Chilton Plating - 193709334

Job ID: 500-248055-1

**Client Sample ID: SMW-7**

**Lab Sample ID: 500-248055-13**

**Date Collected: 03/21/24 17:15**

**Matrix: Water**

**Date Received: 03/26/24 10:20**

**Method: SW846 8260D - Volatile Organic Compounds by GC/MS**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			04/02/24 17:16	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			04/02/24 17:16	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			04/02/24 17:16	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			04/02/24 17:16	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			04/02/24 17:16	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			04/02/24 17:16	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			04/02/24 17:16	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			04/02/24 17:16	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			04/02/24 17:16	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			04/02/24 17:16	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			04/02/24 17:16	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			04/02/24 17:16	1
Ethylene Dibromide	<0.39		1.0	0.39	ug/L			04/02/24 17:16	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			04/02/24 17:16	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			04/02/24 17:16	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			04/02/24 17:16	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			04/02/24 17:16	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			04/02/24 17:16	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			04/02/24 17:16	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			04/02/24 17:16	1
2,2-Dichloropropane	<0.44		5.0	0.44	ug/L			04/02/24 17:16	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			04/02/24 17:16	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			04/02/24 17:16	1
Benzene	<0.15		0.50	0.15	ug/L			04/02/24 17:16	1
Bromobenzene	<0.36		1.0	0.36	ug/L			04/02/24 17:16	1
Chlorobromomethane	<0.43		1.0	0.43	ug/L			04/02/24 17:16	1
Bromoform	<0.48		1.0	0.48	ug/L			04/02/24 17:16	1
Bromomethane	<0.80		3.0	0.80	ug/L			04/02/24 17:16	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			04/02/24 17:16	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			04/02/24 17:16	1
Chloroethane	<0.51		5.0	0.51	ug/L			04/02/24 17:16	1
Chloroform	<0.37		2.0	0.37	ug/L			04/02/24 17:16	1
Chloromethane	<0.32		5.0	0.32	ug/L			04/02/24 17:16	1
<b>cis-1,2-Dichloroethene</b>	<b>17</b>		1.0	0.41	ug/L			04/02/24 17:16	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			04/02/24 17:16	1
Chlorodibromomethane	<0.49		1.0	0.49	ug/L			04/02/24 17:16	1
Dibromomethane	<0.27		1.0	0.27	ug/L			04/02/24 17:16	1
Dichlorobromomethane	<0.37		1.0	0.37	ug/L			04/02/24 17:16	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			04/02/24 17:16	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			04/02/24 17:16	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			04/02/24 17:16	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			04/02/24 17:16	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			04/02/24 17:16	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			04/02/24 17:16	1
<b>Methylene Chloride</b>	<b>3.0 J B</b>		5.0	1.6	ug/L			04/02/24 17:16	1
Naphthalene	<0.34		1.0	0.34	ug/L			04/02/24 17:16	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			04/02/24 17:16	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			04/02/24 17:16	1
4-Isopropyltoluene	<0.36		1.0	0.36	ug/L			04/02/24 17:16	1

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# Client Sample Results

Client: Stantec Consulting Corporation  
Project/Site: Chilton Plating - 193709334

Job ID: 500-248055-1

**Client Sample ID: SMW-7**

**Lab Sample ID: 500-248055-13**

**Date Collected: 03/21/24 17:15**

**Matrix: Water**

**Date Received: 03/26/24 10:20**

## Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			04/02/24 17:16	1
Styrene	<0.39		1.0	0.39	ug/L			04/02/24 17:16	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			04/02/24 17:16	1
<b>Tetrachloroethene</b>	<b>0.90</b>	<b>J</b>	1.0	0.37	ug/L			04/02/24 17:16	1
Toluene	<0.15		0.50	0.15	ug/L			04/02/24 17:16	1
<b>trans-1,2-Dichloroethene</b>	<b>2.2</b>		1.0	0.35	ug/L			04/02/24 17:16	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			04/02/24 17:16	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			04/02/24 17:16	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			04/02/24 17:16	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			04/02/24 17:16	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	122		75 - 126		04/02/24 17:16	1
4-Bromofluorobenzene (Surr)	98		72 - 124		04/02/24 17:16	1
Dibromofluoromethane (Surr)	111		75 - 120		04/02/24 17:16	1
Toluene-d8 (Surr)	98		75 - 120		04/02/24 17:16	1

## Method: SW846 8260D - Volatile Organic Compounds by GC/MS - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Trichloroethene</b>	<b>200</b>		5.0	1.6	ug/L			04/02/24 17:40	10

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	123		75 - 126		04/02/24 17:40	10
4-Bromofluorobenzene (Surr)	100		72 - 124		04/02/24 17:40	10
Dibromofluoromethane (Surr)	111		75 - 120		04/02/24 17:40	10
Toluene-d8 (Surr)	97		75 - 120		04/02/24 17:40	10

## Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1-Methylnaphthalene	<0.25		1.6	0.25	ug/L		03/27/24 07:30	03/27/24 23:03	1
2-Methylnaphthalene	<0.053		1.6	0.053	ug/L		03/27/24 07:30	03/27/24 23:03	1
Acenaphthene	<0.25		0.82	0.25	ug/L		03/27/24 07:30	03/27/24 23:03	1
Acenaphthylene	<0.22		0.82	0.22	ug/L		03/27/24 07:30	03/27/24 23:03	1
Anthracene	<0.27		0.82	0.27	ug/L		03/27/24 07:30	03/27/24 23:03	1
<b>Benzo[a]anthracene</b>	<b>0.18</b>		0.16	0.046	ug/L		03/27/24 07:30	03/27/24 23:03	1
<b>Benzo[a]pyrene</b>	<b>0.11</b>	<b>J</b>	0.16	0.081	ug/L		03/27/24 07:30	03/27/24 23:03	1
<b>Benzo[b]fluoranthene</b>	<b>0.14</b>	<b>J</b>	0.16	0.066	ug/L		03/27/24 07:30	03/27/24 23:03	1
Benzo[g,h,i]perylene	<0.31		0.82	0.31	ug/L		03/27/24 07:30	03/27/24 23:03	1
<b>Benzo[k]fluoranthene</b>	<b>0.13</b>	<b>J</b>	0.16	0.052	ug/L		03/27/24 07:30	03/27/24 23:03	1
<b>Chrysene</b>	<b>0.13</b>	<b>J</b>	0.16	0.056	ug/L		03/27/24 07:30	03/27/24 23:03	1
<b>Dibenz(a,h)anthracene</b>	<b>0.12</b>	<b>J</b>	0.24	0.041	ug/L		03/27/24 07:30	03/27/24 23:03	1
Fluoranthene	<0.37		0.82	0.37	ug/L		03/27/24 07:30	03/27/24 23:03	1
Fluorene	<0.20		0.82	0.20	ug/L		03/27/24 07:30	03/27/24 23:03	1
<b>Indeno[1,2,3-cd]pyrene</b>	<b>0.14</b>	<b>J</b>	0.16	0.061	ug/L		03/27/24 07:30	03/27/24 23:03	1
Naphthalene	<0.25		0.82	0.25	ug/L		03/27/24 07:30	03/27/24 23:03	1
Phenanthrene	<0.25		0.82	0.25	ug/L		03/27/24 07:30	03/27/24 23:03	1
Pyrene	<0.35		0.82	0.35	ug/L		03/27/24 07:30	03/27/24 23:03	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	65		34 - 110	03/27/24 07:30	03/27/24 23:03	1
Nitrobenzene-d5 (Surr)	77		36 - 120	03/27/24 07:30	03/27/24 23:03	1

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# Client Sample Results

Client: Stantec Consulting Corporation  
 Project/Site: Chilton Plating - 193709334

Job ID: 500-248055-1

**Client Sample ID: SMW-7**

**Lab Sample ID: 500-248055-13**

Date Collected: 03/21/24 17:15

Matrix: Water

Date Received: 03/26/24 10:20

**Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)**

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Terphenyl-d14 (Surr)	84		40 - 145	03/27/24 07:30	03/27/24 23:03	1

**Method: SW846 6020B - Metals (ICP/MS) - Dissolved**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.56	J	1.0	0.23	ug/L		04/03/24 08:46	04/05/24 12:26	1
Barium	47		2.5	0.73	ug/L		04/03/24 08:46	04/04/24 16:35	1
Cadmium	<0.17		0.50	0.17	ug/L		04/03/24 08:46	04/04/24 16:35	1
Chromium	<1.1		5.0	1.1	ug/L		04/03/24 08:46	04/04/24 16:35	1
Lead	<0.19		0.50	0.19	ug/L		04/03/24 08:46	04/04/24 16:35	1
Selenium	<0.98		2.5	0.98	ug/L		04/03/24 08:46	04/04/24 16:35	1
Silver	<0.12		0.50	0.12	ug/L		04/03/24 08:46	04/04/24 16:35	1

**Method: SW846 7470A - Mercury (CVAA) - Dissolved**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.079		0.20	0.079	ug/L		04/05/24 11:15	04/08/24 09:24	1

# Client Sample Results

Client: Stantec Consulting Corporation  
 Project/Site: Chilton Plating - 193709334

Job ID: 500-248055-1

**Client Sample ID: SPZ-1**

**Lab Sample ID: 500-248055-14**

**Date Collected: 03/21/24 15:15**

**Matrix: Water**

**Date Received: 03/26/24 10:20**

**Method: SW846 8260D - Volatile Organic Compounds by GC/MS**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			04/02/24 18:04	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			04/02/24 18:04	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			04/02/24 18:04	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			04/02/24 18:04	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			04/02/24 18:04	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			04/02/24 18:04	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			04/02/24 18:04	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			04/02/24 18:04	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			04/02/24 18:04	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			04/02/24 18:04	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			04/02/24 18:04	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			04/02/24 18:04	1
Ethylene Dibromide	<0.39		1.0	0.39	ug/L			04/02/24 18:04	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			04/02/24 18:04	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			04/02/24 18:04	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			04/02/24 18:04	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			04/02/24 18:04	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			04/02/24 18:04	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			04/02/24 18:04	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			04/02/24 18:04	1
2,2-Dichloropropane	<0.44		5.0	0.44	ug/L			04/02/24 18:04	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			04/02/24 18:04	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			04/02/24 18:04	1
Benzene	<0.15		0.50	0.15	ug/L			04/02/24 18:04	1
Bromobenzene	<0.36		1.0	0.36	ug/L			04/02/24 18:04	1
Chlorobromomethane	<0.43		1.0	0.43	ug/L			04/02/24 18:04	1
Bromoform	<0.48		1.0	0.48	ug/L			04/02/24 18:04	1
Bromomethane	<0.80		3.0	0.80	ug/L			04/02/24 18:04	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			04/02/24 18:04	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			04/02/24 18:04	1
Chloroethane	<0.51		5.0	0.51	ug/L			04/02/24 18:04	1
Chloroform	<0.37		2.0	0.37	ug/L			04/02/24 18:04	1
Chloromethane	<0.32		5.0	0.32	ug/L			04/02/24 18:04	1
<b>cis-1,2-Dichloroethene</b>	<b>0.84</b>	<b>J</b>	1.0	0.41	ug/L			04/02/24 18:04	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			04/02/24 18:04	1
Chlorodibromomethane	<0.49		1.0	0.49	ug/L			04/02/24 18:04	1
Dibromomethane	<0.27		1.0	0.27	ug/L			04/02/24 18:04	1
Dichlorobromomethane	<0.37		1.0	0.37	ug/L			04/02/24 18:04	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			04/02/24 18:04	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			04/02/24 18:04	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			04/02/24 18:04	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			04/02/24 18:04	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			04/02/24 18:04	1
<b>Methyl tert-butyl ether</b>	<b>1.9</b>		1.0	0.39	ug/L			04/02/24 18:04	1
<b>Methylene Chloride</b>	<b>3.2</b>	<b>J B</b>	5.0	1.6	ug/L			04/02/24 18:04	1
Naphthalene	<0.34		1.0	0.34	ug/L			04/02/24 18:04	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			04/02/24 18:04	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			04/02/24 18:04	1
4-Isopropyltoluene	<0.36		1.0	0.36	ug/L			04/02/24 18:04	1

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# Client Sample Results

Client: Stantec Consulting Corporation  
 Project/Site: Chilton Plating - 193709334

Job ID: 500-248055-1

**Client Sample ID: SPZ-1**

**Lab Sample ID: 500-248055-14**

**Date Collected: 03/21/24 15:15**

**Matrix: Water**

**Date Received: 03/26/24 10:20**

**Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			04/02/24 18:04	1
Styrene	<0.39		1.0	0.39	ug/L			04/02/24 18:04	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			04/02/24 18:04	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			04/02/24 18:04	1
Toluene	<0.15		0.50	0.15	ug/L			04/02/24 18:04	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			04/02/24 18:04	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			04/02/24 18:04	1
Trichloroethene	<0.16		0.50	0.16	ug/L			04/02/24 18:04	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			04/02/24 18:04	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			04/02/24 18:04	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			04/02/24 18:04	1
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>				<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
1,2-Dichloroethane-d4 (Surr)	123		75 - 126					04/02/24 18:04	1
4-Bromofluorobenzene (Surr)	100		72 - 124					04/02/24 18:04	1
Dibromofluoromethane (Surr)	112		75 - 120					04/02/24 18:04	1
Toluene-d8 (Surr)	98		75 - 120					04/02/24 18:04	1

**Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1-Methylnaphthalene	<0.26		1.7	0.26	ug/L		03/27/24 07:30	03/27/24 23:24	1
2-Methylnaphthalene	<0.055		1.7	0.055	ug/L		03/27/24 07:30	03/27/24 23:24	1
Acenaphthene	<0.26		0.85	0.26	ug/L		03/27/24 07:30	03/27/24 23:24	1
Acenaphthylene	<0.23		0.85	0.23	ug/L		03/27/24 07:30	03/27/24 23:24	1
Anthracene	<0.28		0.85	0.28	ug/L		03/27/24 07:30	03/27/24 23:24	1
Benzo[a]anthracene	<0.048		0.17	0.048	ug/L		03/27/24 07:30	03/27/24 23:24	1
Benzo[a]pyrene	<0.084		0.17	0.084	ug/L		03/27/24 07:30	03/27/24 23:24	1
Benzo[b]fluoranthene	<0.069		0.17	0.069	ug/L		03/27/24 07:30	03/27/24 23:24	1
Benzo[g,h,i]perylene	<0.32		0.85	0.32	ug/L		03/27/24 07:30	03/27/24 23:24	1
Benzo[k]fluoranthene	<0.054		0.17	0.054	ug/L		03/27/24 07:30	03/27/24 23:24	1
Chrysene	<0.058		0.17	0.058	ug/L		03/27/24 07:30	03/27/24 23:24	1
Dibenz(a,h)anthracene	<0.043		0.25	0.043	ug/L		03/27/24 07:30	03/27/24 23:24	1
Fluoranthene	<0.39		0.85	0.39	ug/L		03/27/24 07:30	03/27/24 23:24	1
Fluorene	<0.21		0.85	0.21	ug/L		03/27/24 07:30	03/27/24 23:24	1
Indeno[1,2,3-cd]pyrene	<0.064		0.17	0.064	ug/L		03/27/24 07:30	03/27/24 23:24	1
Naphthalene	<0.26		0.85	0.26	ug/L		03/27/24 07:30	03/27/24 23:24	1
Phenanthrene	<0.26		0.85	0.26	ug/L		03/27/24 07:30	03/27/24 23:24	1
Pyrene	<0.36		0.85	0.36	ug/L		03/27/24 07:30	03/27/24 23:24	1
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>				<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
2-Fluorobiphenyl (Surr)	71		34 - 110				03/27/24 07:30	03/27/24 23:24	1
Nitrobenzene-d5 (Surr)	82		36 - 120				03/27/24 07:30	03/27/24 23:24	1
Terphenyl-d14 (Surr)	77		40 - 145				03/27/24 07:30	03/27/24 23:24	1

**Method: SW846 6020B - Metals (ICP/MS) - Dissolved**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Arsenic</b>	<b>4.2</b>		1.0	0.23	ug/L		04/03/24 08:46	04/05/24 12:30	1
<b>Barium</b>	<b>250</b>		2.5	0.73	ug/L		04/03/24 08:46	04/04/24 16:38	1
Cadmium	<0.17		0.50	0.17	ug/L		04/03/24 08:46	04/04/24 16:38	1
Chromium	<1.1		5.0	1.1	ug/L		04/03/24 08:46	04/04/24 16:38	1

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# Client Sample Results

Client: Stantec Consulting Corporation  
 Project/Site: Chilton Plating - 193709334

Job ID: 500-248055-1

**Client Sample ID: SPZ-1**

**Lab Sample ID: 500-248055-14**

Date Collected: 03/21/24 15:15

Matrix: Water

Date Received: 03/26/24 10:20

**Method: SW846 6020B - Metals (ICP/MS) - Dissolved (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	0.21	J	0.50	0.19	ug/L		04/03/24 08:46	04/04/24 16:38	1
Selenium	<0.98		2.5	0.98	ug/L		04/03/24 08:46	04/04/24 16:38	1
Silver	<0.12		0.50	0.12	ug/L		04/03/24 08:46	04/04/24 16:38	1

**Method: SW846 7470A - Mercury (CVAA) - Dissolved**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.079		0.20	0.079	ug/L		04/05/24 11:15	04/08/24 09:26	1

# Client Sample Results

Client: Stantec Consulting Corporation  
 Project/Site: Chilton Plating - 193709334

Job ID: 500-248055-1

**Client Sample ID: DUP-1**

**Lab Sample ID: 500-248055-15**

**Date Collected: 03/21/24 15:31**

**Matrix: Water**

**Date Received: 03/26/24 10:20**

**Method: SW846 8260D - Volatile Organic Compounds by GC/MS**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			04/02/24 18:28	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			04/02/24 18:28	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			04/02/24 18:28	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			04/02/24 18:28	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			04/02/24 18:28	1
<b>1,1-Dichloroethene</b>	<b>0.89</b>	<b>J</b>	1.0	0.39	ug/L			04/02/24 18:28	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			04/02/24 18:28	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			04/02/24 18:28	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			04/02/24 18:28	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			04/02/24 18:28	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			04/02/24 18:28	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			04/02/24 18:28	1
Ethylene Dibromide	<0.39		1.0	0.39	ug/L			04/02/24 18:28	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			04/02/24 18:28	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			04/02/24 18:28	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			04/02/24 18:28	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			04/02/24 18:28	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			04/02/24 18:28	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			04/02/24 18:28	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			04/02/24 18:28	1
2,2-Dichloropropane	<0.44		5.0	0.44	ug/L			04/02/24 18:28	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			04/02/24 18:28	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			04/02/24 18:28	1
Benzene	<0.15		0.50	0.15	ug/L			04/02/24 18:28	1
Bromobenzene	<0.36		1.0	0.36	ug/L			04/02/24 18:28	1
Chlorobromomethane	<0.43		1.0	0.43	ug/L			04/02/24 18:28	1
Bromoform	<0.48		1.0	0.48	ug/L			04/02/24 18:28	1
Bromomethane	<0.80		3.0	0.80	ug/L			04/02/24 18:28	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			04/02/24 18:28	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			04/02/24 18:28	1
Chloroethane	<0.51		5.0	0.51	ug/L			04/02/24 18:28	1
Chloroform	<0.37		2.0	0.37	ug/L			04/02/24 18:28	1
Chloromethane	<0.32		5.0	0.32	ug/L			04/02/24 18:28	1
<b>cis-1,2-Dichloroethene</b>	<b>160</b>		1.0	0.41	ug/L			04/02/24 18:28	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			04/02/24 18:28	1
Chlorodibromomethane	<0.49		1.0	0.49	ug/L			04/02/24 18:28	1
Dibromomethane	<0.27		1.0	0.27	ug/L			04/02/24 18:28	1
Dichlorobromomethane	<0.37		1.0	0.37	ug/L			04/02/24 18:28	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			04/02/24 18:28	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			04/02/24 18:28	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			04/02/24 18:28	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			04/02/24 18:28	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			04/02/24 18:28	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			04/02/24 18:28	1
<b>Methylene Chloride</b>	<b>3.2</b>	<b>J B</b>	5.0	1.6	ug/L			04/02/24 18:28	1
Naphthalene	<0.34		1.0	0.34	ug/L			04/02/24 18:28	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			04/02/24 18:28	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			04/02/24 18:28	1
4-Isopropyltoluene	<0.36		1.0	0.36	ug/L			04/02/24 18:28	1

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# Client Sample Results

Client: Stantec Consulting Corporation  
Project/Site: Chilton Plating - 193709334

Job ID: 500-248055-1

**Client Sample ID: DUP-1**

**Lab Sample ID: 500-248055-15**

**Date Collected: 03/21/24 15:31**

**Matrix: Water**

**Date Received: 03/26/24 10:20**

## Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			04/02/24 18:28	1
Styrene	<0.39		1.0	0.39	ug/L			04/02/24 18:28	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			04/02/24 18:28	1
<b>Tetrachloroethene</b>	<b>23</b>		1.0	0.37	ug/L			04/02/24 18:28	1
Toluene	<0.15		0.50	0.15	ug/L			04/02/24 18:28	1
<b>trans-1,2-Dichloroethene</b>	<b>190</b>		1.0	0.35	ug/L			04/02/24 18:28	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			04/02/24 18:28	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			04/02/24 18:28	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			04/02/24 18:28	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			04/02/24 18:28	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	122		75 - 126		04/02/24 18:28	1
4-Bromofluorobenzene (Surr)	100		72 - 124		04/02/24 18:28	1
Dibromofluoromethane (Surr)	110		75 - 120		04/02/24 18:28	1
Toluene-d8 (Surr)	101		75 - 120		04/02/24 18:28	1

## Method: SW846 8260D - Volatile Organic Compounds by GC/MS - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Trichloroethene</b>	<b>420</b>		5.0	1.6	ug/L			04/02/24 18:53	10

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	125		75 - 126		04/02/24 18:53	10
4-Bromofluorobenzene (Surr)	102		72 - 124		04/02/24 18:53	10
Dibromofluoromethane (Surr)	113		75 - 120		04/02/24 18:53	10
Toluene-d8 (Surr)	97		75 - 120		04/02/24 18:53	10

## Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1-Methylnaphthalene	<0.26		1.7	0.26	ug/L		03/27/24 07:30	03/27/24 23:46	1
2-Methylnaphthalene	<0.055		1.7	0.055	ug/L		03/27/24 07:30	03/27/24 23:46	1
Acenaphthene	<0.26		0.85	0.26	ug/L		03/27/24 07:30	03/27/24 23:46	1
Acenaphthylene	<0.23		0.85	0.23	ug/L		03/27/24 07:30	03/27/24 23:46	1
Anthracene	<0.28		0.85	0.28	ug/L		03/27/24 07:30	03/27/24 23:46	1
Benzo[a]anthracene	<0.048		0.17	0.048	ug/L		03/27/24 07:30	03/27/24 23:46	1
Benzo[a]pyrene	<0.084		0.17	0.084	ug/L		03/27/24 07:30	03/27/24 23:46	1
Benzo[b]fluoranthene	<0.069		0.17	0.069	ug/L		03/27/24 07:30	03/27/24 23:46	1
Benzo[g,h,i]perylene	<0.32		0.85	0.32	ug/L		03/27/24 07:30	03/27/24 23:46	1
Benzo[k]fluoranthene	<0.054		0.17	0.054	ug/L		03/27/24 07:30	03/27/24 23:46	1
Chrysene	<0.058		0.17	0.058	ug/L		03/27/24 07:30	03/27/24 23:46	1
Dibenz(a,h)anthracene	<0.043		0.26	0.043	ug/L		03/27/24 07:30	03/27/24 23:46	1
Fluoranthene	<0.39		0.85	0.39	ug/L		03/27/24 07:30	03/27/24 23:46	1
Fluorene	<0.21		0.85	0.21	ug/L		03/27/24 07:30	03/27/24 23:46	1
Indeno[1,2,3-cd]pyrene	<0.064		0.17	0.064	ug/L		03/27/24 07:30	03/27/24 23:46	1
Naphthalene	<0.26		0.85	0.26	ug/L		03/27/24 07:30	03/27/24 23:46	1
Phenanthrene	<0.26		0.85	0.26	ug/L		03/27/24 07:30	03/27/24 23:46	1
Pyrene	<0.36		0.85	0.36	ug/L		03/27/24 07:30	03/27/24 23:46	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	72		34 - 110	03/27/24 07:30	03/27/24 23:46	1
Nitrobenzene-d5 (Surr)	81		36 - 120	03/27/24 07:30	03/27/24 23:46	1

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# Client Sample Results

Client: Stantec Consulting Corporation  
 Project/Site: Chilton Plating - 193709334

Job ID: 500-248055-1

**Client Sample ID: DUP-1**

**Lab Sample ID: 500-248055-15**

Date Collected: 03/21/24 15:31

Matrix: Water

Date Received: 03/26/24 10:20

**Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)**

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Terphenyl-d14 (Surr)	85		40 - 145	03/27/24 07:30	03/27/24 23:46	1

**Method: SW846 6020B - Metals (ICP/MS) - Dissolved**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.32	J	1.0	0.23	ug/L		04/03/24 08:46	04/05/24 12:33	1
Barium	31		2.5	0.73	ug/L		04/03/24 08:46	04/04/24 16:42	1
Cadmium	0.79		0.50	0.17	ug/L		04/03/24 08:46	04/04/24 16:42	1
Chromium	2.6	J	5.0	1.1	ug/L		04/03/24 08:46	04/04/24 16:42	1
Lead	<0.19		0.50	0.19	ug/L		04/03/24 08:46	04/04/24 16:42	1
Selenium	<0.98		2.5	0.98	ug/L		04/03/24 08:46	04/04/24 16:42	1
Silver	<0.12		0.50	0.12	ug/L		04/03/24 08:46	04/04/24 16:42	1

**Method: SW846 7470A - Mercury (CVAA) - Dissolved**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.079		0.20	0.079	ug/L		04/05/24 11:15	04/08/24 09:33	1

# Client Sample Results

Client: Stantec Consulting Corporation  
 Project/Site: Chilton Plating - 193709334

Job ID: 500-248055-1

**Client Sample ID: Trip Blank**

**Lab Sample ID: 500-248055-16**

**Date Collected: 03/21/24 00:00**

**Matrix: Water**

**Date Received: 03/26/24 10:20**

**Method: SW846 8260D - Volatile Organic Compounds by GC/MS**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			04/02/24 11:59	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			04/02/24 11:59	1
1,1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			04/02/24 11:59	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			04/02/24 11:59	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			04/02/24 11:59	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			04/02/24 11:59	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			04/02/24 11:59	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			04/02/24 11:59	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			04/02/24 11:59	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			04/02/24 11:59	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			04/02/24 11:59	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			04/02/24 11:59	1
Ethylene Dibromide	<0.39		1.0	0.39	ug/L			04/02/24 11:59	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			04/02/24 11:59	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			04/02/24 11:59	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			04/02/24 11:59	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			04/02/24 11:59	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			04/02/24 11:59	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			04/02/24 11:59	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			04/02/24 11:59	1
2,2-Dichloropropane	<0.44		5.0	0.44	ug/L			04/02/24 11:59	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			04/02/24 11:59	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			04/02/24 11:59	1
Benzene	<0.15		0.50	0.15	ug/L			04/02/24 11:59	1
Bromobenzene	<0.36		1.0	0.36	ug/L			04/02/24 11:59	1
Chlorobromomethane	<0.43		1.0	0.43	ug/L			04/02/24 11:59	1
Bromoform	<0.48		1.0	0.48	ug/L			04/02/24 11:59	1
Bromomethane	<0.80		3.0	0.80	ug/L			04/02/24 11:59	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			04/02/24 11:59	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			04/02/24 11:59	1
Chloroethane	<0.51		5.0	0.51	ug/L			04/02/24 11:59	1
Chloroform	<0.37		2.0	0.37	ug/L			04/02/24 11:59	1
Chloromethane	<0.32		5.0	0.32	ug/L			04/02/24 11:59	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			04/02/24 11:59	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			04/02/24 11:59	1
Chlorodibromomethane	<0.49		1.0	0.49	ug/L			04/02/24 11:59	1
Dibromomethane	<0.27		1.0	0.27	ug/L			04/02/24 11:59	1
Dichlorobromomethane	<0.37		1.0	0.37	ug/L			04/02/24 11:59	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			04/02/24 11:59	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			04/02/24 11:59	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			04/02/24 11:59	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			04/02/24 11:59	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			04/02/24 11:59	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			04/02/24 11:59	1
<b>Methylene Chloride</b>	<b>3.2</b>	<b>J B</b>	5.0	1.6	ug/L			04/02/24 11:59	1
Naphthalene	<0.34		1.0	0.34	ug/L			04/02/24 11:59	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			04/02/24 11:59	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			04/02/24 11:59	1
4-Isopropyltoluene	<0.36		1.0	0.36	ug/L			04/02/24 11:59	1

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# Client Sample Results

Client: Stantec Consulting Corporation  
 Project/Site: Chilton Plating - 193709334

Job ID: 500-248055-1

**Client Sample ID: Trip Blank**

**Lab Sample ID: 500-248055-16**

**Date Collected: 03/21/24 00:00**

**Matrix: Water**

**Date Received: 03/26/24 10:20**

**Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			04/02/24 11:59	1
Styrene	<0.39		1.0	0.39	ug/L			04/02/24 11:59	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			04/02/24 11:59	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			04/02/24 11:59	1
Toluene	<0.15		0.50	0.15	ug/L			04/02/24 11:59	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			04/02/24 11:59	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			04/02/24 11:59	1
Trichloroethene	<0.16		0.50	0.16	ug/L			04/02/24 11:59	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			04/02/24 11:59	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			04/02/24 11:59	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			04/02/24 11:59	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	119		75 - 126		04/02/24 11:59	1
4-Bromofluorobenzene (Surr)	98		72 - 124		04/02/24 11:59	1
Dibromofluoromethane (Surr)	109		75 - 120		04/02/24 11:59	1
Toluene-d8 (Surr)	98		75 - 120		04/02/24 11:59	1



# Definitions/Glossary

Client: Stantec Consulting Corporation  
Project/Site: Chilton Plating - 193709334

Job ID: 500-248055-1

## Qualifiers

### GC/MS VOA

Qualifier	Qualifier Description
*+	LCS and/or LCSD is outside acceptance limits, high biased.
B	Compound was found in the blank and sample.
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.

### 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.

### Metals

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.

## Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
α	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
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

# QC Association Summary

Client: Stantec Consulting Corporation  
Project/Site: Chilton Plating - 193709334

Job ID: 500-248055-1

## GC/MS VOA

### Analysis Batch: 760977

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-248055-1	CPMW02	Total/NA	Water	8260D	
500-248055-2	CPMW03	Total/NA	Water	8260D	
500-248055-5	CPPZ105	Total/NA	Water	8260D	
500-248055-6	GSMW103	Total/NA	Water	8260D	
500-248055-7	GSPZ103	Total/NA	Water	8260D	
500-248055-8	SMW-1	Total/NA	Water	8260D	
500-248055-9	SMW-2	Total/NA	Water	8260D	
500-248055-10	SMW-3	Total/NA	Water	8260D	
500-248055-11	SMW-5	Total/NA	Water	8260D	
500-248055-12	SMW-6	Total/NA	Water	8260D	
500-248055-13	SMW-7	Total/NA	Water	8260D	
500-248055-13 - DL	SMW-7	Total/NA	Water	8260D	
500-248055-14	SPZ-1	Total/NA	Water	8260D	
500-248055-15	DUP-1	Total/NA	Water	8260D	
500-248055-15 - DL	DUP-1	Total/NA	Water	8260D	
500-248055-16	Trip Blank	Total/NA	Water	8260D	
MB 500-760977/6	Method Blank	Total/NA	Water	8260D	
LCS 500-760977/4	Lab Control Sample	Total/NA	Water	8260D	
500-248055-9 MS	SMW-2	Total/NA	Water	8260D	
500-248055-9 MSD	SMW-2	Total/NA	Water	8260D	

### Analysis Batch: 761209

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-248055-2 - DL	CPMW03	Total/NA	Water	8260D	
500-248055-3	CPMW04A	Total/NA	Water	8260D	
500-248055-4	CPPZ104	Total/NA	Water	8260D	
500-248055-10 - DL	SMW-3	Total/NA	Water	8260D	
500-248055-11 - DL	SMW-5	Total/NA	Water	8260D	
MB 500-761209/6	Method Blank	Total/NA	Water	8260D	
LCS 500-761209/4	Lab Control Sample	Total/NA	Water	8260D	

## GC/MS Semi VOA

### Prep Batch: 760099

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-248055-1	CPMW02	Total/NA	Water	3510C	
500-248055-2	CPMW03	Total/NA	Water	3510C	
500-248055-3	CPMW04A	Total/NA	Water	3510C	
500-248055-4	CPPZ104	Total/NA	Water	3510C	
500-248055-5	CPPZ105	Total/NA	Water	3510C	
500-248055-6	GSMW103	Total/NA	Water	3510C	
500-248055-7	GSPZ103	Total/NA	Water	3510C	
500-248055-8	SMW-1	Total/NA	Water	3510C	
500-248055-9	SMW-2	Total/NA	Water	3510C	
500-248055-10	SMW-3	Total/NA	Water	3510C	
500-248055-11	SMW-5	Total/NA	Water	3510C	
500-248055-12	SMW-6	Total/NA	Water	3510C	
500-248055-13	SMW-7	Total/NA	Water	3510C	
500-248055-14	SPZ-1	Total/NA	Water	3510C	
500-248055-15	DUP-1	Total/NA	Water	3510C	
MB 500-760099/1-A	Method Blank	Total/NA	Water	3510C	

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# QC Association Summary

Client: Stantec Consulting Corporation  
 Project/Site: Chilton Plating - 193709334

Job ID: 500-248055-1

## GC/MS Semi VOA (Continued)

### Prep Batch: 760099 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 500-760099/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 500-760099/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	

### Analysis Batch: 760138

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-248055-1	CPMW02	Total/NA	Water	8270E	760099
500-248055-2	CPMW03	Total/NA	Water	8270E	760099
500-248055-3	CPMW04A	Total/NA	Water	8270E	760099
500-248055-4	CPPZ104	Total/NA	Water	8270E	760099
500-248055-5	CPPZ105	Total/NA	Water	8270E	760099
500-248055-6	GSMW103	Total/NA	Water	8270E	760099
500-248055-7	GSPZ103	Total/NA	Water	8270E	760099
500-248055-8	SMW-1	Total/NA	Water	8270E	760099
500-248055-9	SMW-2	Total/NA	Water	8270E	760099
500-248055-10	SMW-3	Total/NA	Water	8270E	760099
500-248055-11	SMW-5	Total/NA	Water	8270E	760099
500-248055-12	SMW-6	Total/NA	Water	8270E	760099
500-248055-13	SMW-7	Total/NA	Water	8270E	760099
500-248055-14	SPZ-1	Total/NA	Water	8270E	760099
500-248055-15	DUP-1	Total/NA	Water	8270E	760099
MB 500-760099/1-A	Method Blank	Total/NA	Water	8270E	760099
LCS 500-760099/2-A	Lab Control Sample	Total/NA	Water	8270E	760099
LCSD 500-760099/3-A	Lab Control Sample Dup	Total/NA	Water	8270E	760099

## Metals

### Prep Batch: 761286

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-248055-1	CPMW02	Dissolved	Water	3005A	
500-248055-2	CPMW03	Dissolved	Water	3005A	
500-248055-3	CPMW04A	Dissolved	Water	3005A	
500-248055-4	CPPZ104	Dissolved	Water	3005A	
500-248055-5	CPPZ105	Dissolved	Water	3005A	
500-248055-6	GSMW103	Dissolved	Water	3005A	
500-248055-7	GSPZ103	Dissolved	Water	3005A	
500-248055-8	SMW-1	Dissolved	Water	3005A	
500-248055-9	SMW-2	Dissolved	Water	3005A	
500-248055-10	SMW-3	Dissolved	Water	3005A	
500-248055-11	SMW-5	Dissolved	Water	3005A	
500-248055-12	SMW-6	Dissolved	Water	3005A	
500-248055-13	SMW-7	Dissolved	Water	3005A	
500-248055-14	SPZ-1	Dissolved	Water	3005A	
500-248055-15	DUP-1	Dissolved	Water	3005A	
MB 500-761286/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 500-761286/2-A	Lab Control Sample	Total Recoverable	Water	3005A	

### Analysis Batch: 761718

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-248055-1	CPMW02	Dissolved	Water	6020B	761286
500-248055-2	CPMW03	Dissolved	Water	6020B	761286
500-248055-3	CPMW04A	Dissolved	Water	6020B	761286

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# QC Association Summary

Client: Stantec Consulting Corporation  
 Project/Site: Chilton Plating - 193709334

Job ID: 500-248055-1

## Metals (Continued)

### Analysis Batch: 761718 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-248055-4	CPPZ104	Dissolved	Water	6020B	761286
500-248055-5	CPPZ105	Dissolved	Water	6020B	761286
500-248055-6	GSMW103	Dissolved	Water	6020B	761286
500-248055-7	GSPZ103	Dissolved	Water	6020B	761286
500-248055-8	SMW-1	Dissolved	Water	6020B	761286
500-248055-9	SMW-2	Dissolved	Water	6020B	761286
500-248055-10	SMW-3	Dissolved	Water	6020B	761286
500-248055-11	SMW-5	Dissolved	Water	6020B	761286
500-248055-12	SMW-6	Dissolved	Water	6020B	761286
500-248055-13	SMW-7	Dissolved	Water	6020B	761286
500-248055-14	SPZ-1	Dissolved	Water	6020B	761286
500-248055-15	DUP-1	Dissolved	Water	6020B	761286
MB 500-761286/1-A	Method Blank	Total Recoverable	Water	6020B	761286
LCS 500-761286/2-A	Lab Control Sample	Total Recoverable	Water	6020B	761286

### Prep Batch: 761784

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-248055-1	CPMW02	Dissolved	Water	7470A	
500-248055-2	CPMW03	Dissolved	Water	7470A	
500-248055-3	CPMW04A	Dissolved	Water	7470A	
500-248055-4	CPPZ104	Dissolved	Water	7470A	
500-248055-5	CPPZ105	Dissolved	Water	7470A	
500-248055-6	GSMW103	Dissolved	Water	7470A	
500-248055-7	GSPZ103	Dissolved	Water	7470A	
500-248055-8	SMW-1	Dissolved	Water	7470A	
500-248055-9	SMW-2	Dissolved	Water	7470A	
500-248055-10	SMW-3	Dissolved	Water	7470A	
500-248055-11	SMW-5	Dissolved	Water	7470A	
500-248055-12	SMW-6	Dissolved	Water	7470A	
500-248055-13	SMW-7	Dissolved	Water	7470A	
500-248055-14	SPZ-1	Dissolved	Water	7470A	
500-248055-15	DUP-1	Dissolved	Water	7470A	
MB 500-761784/12-A	Method Blank	Total/NA	Water	7470A	
LCS 500-761784/13-A	Lab Control Sample	Total/NA	Water	7470A	
500-248055-9 MS	SMW-2	Dissolved	Water	7470A	
500-248055-9 MSD	SMW-2	Dissolved	Water	7470A	
500-248055-9 DU	SMW-2	Dissolved	Water	7470A	

### Analysis Batch: 761800

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-248055-7	GSPZ103	Dissolved	Water	6020B	761286
500-248055-8	SMW-1	Dissolved	Water	6020B	761286
500-248055-9	SMW-2	Dissolved	Water	6020B	761286
500-248055-10	SMW-3	Dissolved	Water	6020B	761286
500-248055-11	SMW-5	Dissolved	Water	6020B	761286
500-248055-12	SMW-6	Dissolved	Water	6020B	761286
500-248055-13	SMW-7	Dissolved	Water	6020B	761286
500-248055-14	SPZ-1	Dissolved	Water	6020B	761286
500-248055-15	DUP-1	Dissolved	Water	6020B	761286

# QC Association Summary

Client: Stantec Consulting Corporation  
 Project/Site: Chilton Plating - 193709334

Job ID: 500-248055-1

## Metals

### Analysis Batch: 762054

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-248055-1	CPMW02	Dissolved	Water	7470A	761784
500-248055-2	CPMW03	Dissolved	Water	7470A	761784
500-248055-3	CPMW04A	Dissolved	Water	7470A	761784
500-248055-4	CPPZ104	Dissolved	Water	7470A	761784
500-248055-5	CPPZ105	Dissolved	Water	7470A	761784
500-248055-6	GSMW103	Dissolved	Water	7470A	761784
500-248055-7	GSPZ103	Dissolved	Water	7470A	761784
500-248055-8	SMW-1	Dissolved	Water	7470A	761784
500-248055-9	SMW-2	Dissolved	Water	7470A	761784
500-248055-10	SMW-3	Dissolved	Water	7470A	761784
500-248055-11	SMW-5	Dissolved	Water	7470A	761784
500-248055-12	SMW-6	Dissolved	Water	7470A	761784
500-248055-13	SMW-7	Dissolved	Water	7470A	761784
500-248055-14	SPZ-1	Dissolved	Water	7470A	761784
500-248055-15	DUP-1	Dissolved	Water	7470A	761784
MB 500-761784/12-A	Method Blank	Total/NA	Water	7470A	761784
LCS 500-761784/13-A	Lab Control Sample	Total/NA	Water	7470A	761784
500-248055-9 MS	SMW-2	Dissolved	Water	7470A	761784
500-248055-9 MSD	SMW-2	Dissolved	Water	7470A	761784
500-248055-9 DU	SMW-2	Dissolved	Water	7470A	761784

## General Chemistry

### Prep Batch: 760239

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-248055-11	SMW-5	Total/NA	Water	9010C	
MB 500-760239/1-A	Method Blank	Total/NA	Water	9010C	
LCS 500-760239/2-A	Lab Control Sample	Total/NA	Water	9010C	

### Analysis Batch: 760262

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-248055-11	SMW-5	Total/NA	Water	9012B	760239
MB 500-760239/1-A	Method Blank	Total/NA	Water	9012B	760239
LCS 500-760239/2-A	Lab Control Sample	Total/NA	Water	9012B	760239

### Analysis Batch: 761502

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-248055-11	SMW-5	Total/NA	Water	9012B	

# Surrogate Summary

Client: Stantec Consulting Corporation  
 Project/Site: Chilton Plating - 193709334

Job ID: 500-248055-1

## Method: 8260D - Volatile Organic Compounds by GC/MS

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)			
		DCA (75-126)	BFB (72-124)	DBFM (75-120)	TOL (75-120)
500-248055-1	CPMW02	117	98	109	97
500-248055-2	CPMW03	119	98	111	100
500-248055-2 - DL	CPMW03	117	94	109	97
500-248055-3	CPMW04A	119	93	111	97
500-248055-4	CPPZ104	119	93	110	100
500-248055-5	CPPZ105	123	102	111	99
500-248055-6	GSMW103	122	101	110	98
500-248055-7	GSPZ103	121	99	112	98
500-248055-8	SMW-1	121	99	111	100
500-248055-9	SMW-2	126	99	112	98
500-248055-9 MS	SMW-2	119	91	109	99
500-248055-9 MSD	SMW-2	117	90	110	99
500-248055-10	SMW-3	123	104	109	100
500-248055-10 - DL	SMW-3	120	96	112	97
500-248055-11	SMW-5	122	99	108	98
500-248055-11 - DL	SMW-5	121	96	112	96
500-248055-12	SMW-6	122	100	111	98
500-248055-13	SMW-7	122	98	111	98
500-248055-13 - DL	SMW-7	123	100	111	97
500-248055-14	SPZ-1	123	100	112	98
500-248055-15	DUP-1	122	100	110	101
500-248055-15 - DL	DUP-1	125	102	113	97
500-248055-16	Trip Blank	119	98	109	98
LCS 500-760977/4	Lab Control Sample	114	92	105	102
LCS 500-761209/4	Lab Control Sample	114	92	106	99
MB 500-760977/6	Method Blank	120	101	109	100
MB 500-761209/6	Method Blank	119	93	109	97

### Surrogate Legend

DCA = 1,2-Dichloroethane-d4 (Surr)

BFB = 4-Bromofluorobenzene (Surr)

DBFM = Dibromofluoromethane (Surr)

TOL = Toluene-d8 (Surr)

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

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)		
		FBP (34-110)	NBZ (36-120)	TPHL (40-145)
500-248055-1	CPMW02	44	55	68
500-248055-2	CPMW03	60	67	84
500-248055-3	CPMW04A	58	66	86
500-248055-4	CPPZ104	55	63	78
500-248055-5	CPPZ105	73	90	79
500-248055-6	GSMW103	48	60	85
500-248055-7	GSPZ103	71	79	85
500-248055-8	SMW-1	70	83	81
500-248055-9	SMW-2	59	69	83
500-248055-10	SMW-3	67	77	79



# Surrogate Summary

Client: Stantec Consulting Corporation  
Project/Site: Chilton Plating - 193709334

Job ID: 500-248055-1

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

**Matrix: Water**

**Prep Type: Total/NA**

## Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	FBP (34-110)	NBZ (36-120)	TPHL (40-145)
500-248055-11	SMW-5	71	80	86
500-248055-12	SMW-6	68	82	83
500-248055-13	SMW-7	65	77	84
500-248055-14	SPZ-1	71	82	77
500-248055-15	DUP-1	72	81	85
LCS 500-760099/2-A	Lab Control Sample	75	94	81
LCSD 500-760099/3-A	Lab Control Sample Dup	80	93	83
MB 500-760099/1-A	Method Blank	67	89	84

### Surrogate Legend

FBP = 2-Fluorobiphenyl (Surr)

NBZ = Nitrobenzene-d5 (Surr)

TPHL = Terphenyl-d14 (Surr)

# QC Sample Results

Client: Stantec Consulting Corporation  
 Project/Site: Chilton Plating - 193709334

Job ID: 500-248055-1

## Method: 8260D - Volatile Organic Compounds by GC/MS

**Lab Sample ID: MB 500-760977/6**  
**Matrix: Water**  
**Analysis Batch: 760977**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			04/02/24 11:34	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			04/02/24 11:34	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			04/02/24 11:34	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			04/02/24 11:34	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			04/02/24 11:34	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			04/02/24 11:34	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			04/02/24 11:34	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			04/02/24 11:34	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			04/02/24 11:34	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			04/02/24 11:34	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			04/02/24 11:34	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			04/02/24 11:34	1
Ethylene Dibromide	<0.39		1.0	0.39	ug/L			04/02/24 11:34	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			04/02/24 11:34	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			04/02/24 11:34	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			04/02/24 11:34	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			04/02/24 11:34	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			04/02/24 11:34	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			04/02/24 11:34	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			04/02/24 11:34	1
2,2-Dichloropropane	<0.44		5.0	0.44	ug/L			04/02/24 11:34	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			04/02/24 11:34	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			04/02/24 11:34	1
Benzene	<0.15		0.50	0.15	ug/L			04/02/24 11:34	1
Bromobenzene	<0.36		1.0	0.36	ug/L			04/02/24 11:34	1
Chlorobromomethane	<0.43		1.0	0.43	ug/L			04/02/24 11:34	1
Bromoform	<0.48		1.0	0.48	ug/L			04/02/24 11:34	1
Bromomethane	<0.80		3.0	0.80	ug/L			04/02/24 11:34	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			04/02/24 11:34	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			04/02/24 11:34	1
Chloroethane	<0.51		5.0	0.51	ug/L			04/02/24 11:34	1
Chloroform	<0.37		2.0	0.37	ug/L			04/02/24 11:34	1
Chloromethane	<0.32		5.0	0.32	ug/L			04/02/24 11:34	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			04/02/24 11:34	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			04/02/24 11:34	1
Chlorodibromomethane	<0.49		1.0	0.49	ug/L			04/02/24 11:34	1
Dibromomethane	<0.27		1.0	0.27	ug/L			04/02/24 11:34	1
Dichlorobromomethane	<0.37		1.0	0.37	ug/L			04/02/24 11:34	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			04/02/24 11:34	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			04/02/24 11:34	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			04/02/24 11:34	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			04/02/24 11:34	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			04/02/24 11:34	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			04/02/24 11:34	1
Methylene Chloride	3.87	J	5.0	1.6	ug/L			04/02/24 11:34	1
Naphthalene	0.353	J	1.0	0.34	ug/L			04/02/24 11:34	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			04/02/24 11:34	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			04/02/24 11:34	1

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# QC Sample Results

Client: Stantec Consulting Corporation  
 Project/Site: Chilton Plating - 193709334

Job ID: 500-248055-1

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

**Lab Sample ID: MB 500-760977/6**  
**Matrix: Water**  
**Analysis Batch: 760977**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
4-Isopropyltoluene	<0.36		1.0	0.36	ug/L			04/02/24 11:34	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			04/02/24 11:34	1
Styrene	<0.39		1.0	0.39	ug/L			04/02/24 11:34	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			04/02/24 11:34	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			04/02/24 11:34	1
Toluene	<0.15		0.50	0.15	ug/L			04/02/24 11:34	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			04/02/24 11:34	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			04/02/24 11:34	1
Trichloroethene	<0.16		0.50	0.16	ug/L			04/02/24 11:34	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			04/02/24 11:34	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			04/02/24 11:34	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			04/02/24 11:34	1

Surrogate	MB	MB	Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
1,2-Dichloroethane-d4 (Surr)	120		75 - 126		04/02/24 11:34	1
4-Bromofluorobenzene (Surr)	101		72 - 124		04/02/24 11:34	1
Dibromofluoromethane (Surr)	109		75 - 120		04/02/24 11:34	1
Toluene-d8 (Surr)	100		75 - 120		04/02/24 11:34	1

**Lab Sample ID: LCS 500-760977/4**  
**Matrix: Water**  
**Analysis Batch: 760977**

**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	50.0	58.2		ug/L		116	70 - 125
1,1,1,2-Tetrachloroethane	50.0	47.6		ug/L		95	62 - 140
1,1,2-Trichloroethane	50.0	51.5		ug/L		103	71 - 130
1,1-Dichloroethane	50.0	49.5		ug/L		99	70 - 125
1,1-Dichloroethene	50.0	56.6		ug/L		113	67 - 122
1,1-Dichloropropene	50.0	56.1		ug/L		112	70 - 121
1,2,3-Trichlorobenzene	50.0	52.9		ug/L		106	51 - 145
1,2,3-Trichloropropane	50.0	50.2		ug/L		100	50 - 133
1,2,4-Trichlorobenzene	50.0	53.0		ug/L		106	57 - 137
1,2,4-Trimethylbenzene	50.0	52.9		ug/L		106	70 - 123
1,2-Dibromo-3-Chloropropane	50.0	49.1		ug/L		98	56 - 123
Ethylene Dibromide	50.0	55.1		ug/L		110	70 - 125
1,2-Dichlorobenzene	50.0	57.4		ug/L		115	70 - 125
1,2-Dichloroethane	50.0	58.5		ug/L		117	68 - 127
1,2-Dichloropropane	50.0	45.4		ug/L		91	67 - 130
1,3,5-Trimethylbenzene	50.0	53.7		ug/L		107	70 - 123
1,3-Dichlorobenzene	50.0	56.3		ug/L		113	70 - 125
1,3-Dichloropropane	50.0	53.4		ug/L		107	62 - 136
1,4-Dichlorobenzene	50.0	57.3		ug/L		115	70 - 120
2,2-Dichloropropane	50.0	52.6		ug/L		105	58 - 139
2-Chlorotoluene	50.0	51.1		ug/L		102	70 - 125
4-Chlorotoluene	50.0	52.9		ug/L		106	68 - 124
Benzene	50.0	50.5		ug/L		101	70 - 120

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# QC Sample Results

Client: Stantec Consulting Corporation  
 Project/Site: Chilton Plating - 193709334

Job ID: 500-248055-1

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

**Lab Sample ID: LCS 500-760977/4**  
**Matrix: Water**  
**Analysis Batch: 760977**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Bromobenzene	50.0	56.9		ug/L		114	70 - 122
Chlorobromomethane	50.0	57.0		ug/L		114	65 - 122
Bromoform	50.0	57.3		ug/L		115	56 - 132
Bromomethane	50.0	60.3		ug/L		121	40 - 152
Carbon tetrachloride	50.0	62.9		ug/L		126	59 - 133
Chlorobenzene	50.0	56.4		ug/L		113	70 - 120
Chloroethane	50.0	45.0		ug/L		90	48 - 136
Chloroform	50.0	54.7		ug/L		109	70 - 120
Chloromethane	50.0	31.1		ug/L		62	56 - 152
cis-1,2-Dichloroethene	50.0	52.4		ug/L		105	70 - 125
cis-1,3-Dichloropropene	50.0	52.2		ug/L		104	64 - 127
Chlorodibromomethane	50.0	58.2		ug/L		116	68 - 125
Dibromomethane	50.0	53.0		ug/L		106	70 - 120
Dichlorobromomethane	50.0	55.0		ug/L		110	69 - 120
Dichlorodifluoromethane	50.0	37.0		ug/L		74	40 - 159
Ethylbenzene	50.0	54.2		ug/L		108	70 - 123
Hexachlorobutadiene	50.0	58.3		ug/L		117	51 - 150
Isopropylbenzene	50.0	53.3		ug/L		107	70 - 126
Methyl tert-butyl ether	50.0	46.1		ug/L		92	55 - 123
Methylene Chloride	50.0	53.1		ug/L		106	69 - 125
Naphthalene	50.0	47.6		ug/L		95	53 - 144
n-Butylbenzene	50.0	55.4		ug/L		111	68 - 125
N-Propylbenzene	50.0	54.0		ug/L		108	69 - 127
4-Isopropyltoluene	50.0	56.9		ug/L		114	70 - 125
sec-Butylbenzene	50.0	54.1		ug/L		108	70 - 123
Styrene	50.0	57.2		ug/L		114	70 - 120
tert-Butylbenzene	50.0	54.2		ug/L		108	70 - 121
Tetrachloroethene	50.0	60.9		ug/L		122	70 - 128
Toluene	50.0	51.5		ug/L		103	70 - 125
trans-1,2-Dichloroethene	50.0	56.0		ug/L		112	70 - 125
trans-1,3-Dichloropropene	50.0	51.9		ug/L		104	62 - 128
Trichloroethene	50.0	56.5		ug/L		113	70 - 125
Trichlorofluoromethane	50.0	56.8		ug/L		114	55 - 128
Vinyl chloride	50.0	36.6		ug/L		73	64 - 126
Xylenes, Total	100	106		ug/L		106	70 - 125

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	114		75 - 126
4-Bromofluorobenzene (Surr)	92		72 - 124
Dibromofluoromethane (Surr)	105		75 - 120
Toluene-d8 (Surr)	102		75 - 120

**Lab Sample ID: 500-248055-9 MS**  
**Matrix: Water**  
**Analysis Batch: 760977**

**Client Sample ID: SMW-2**  
**Prep Type: Total/NA**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1,2-Tetrachloroethane	<0.46		50.0	60.9		ug/L		122	70 - 125

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# QC Sample Results

Client: Stantec Consulting Corporation  
 Project/Site: Chilton Plating - 193709334

Job ID: 500-248055-1

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

**Lab Sample ID: 500-248055-9 MS**

**Matrix: Water**

**Analysis Batch: 760977**

**Client Sample ID: SMW-2**

**Prep Type: Total/NA**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1-Trichloroethane	<0.38		50.0	60.8		ug/L		122	70 - 125
1,1,1,2-Tetrachloroethane	<0.40		50.0	48.3		ug/L		97	62 - 140
1,1,2-Trichloroethane	<0.35		50.0	53.4		ug/L		107	71 - 130
1,1-Dichloroethane	<0.41		50.0	49.7		ug/L		99	70 - 125
1,1-Dichloroethene	<0.39		50.0	57.5		ug/L		115	67 - 122
1,1-Dichloropropene	<0.30		50.0	55.2		ug/L		110	70 - 121
1,2,3-Trichlorobenzene	<0.46		50.0	52.3		ug/L		105	51 - 145
1,2,3-Trichloropropane	<0.41		50.0	50.5		ug/L		101	50 - 133
1,2,4-Trichlorobenzene	<0.34		50.0	53.5		ug/L		107	57 - 137
1,2,4-Trimethylbenzene	<0.36		50.0	51.6		ug/L		103	70 - 123
1,2-Dibromo-3-Chloropropane	<2.0		50.0	53.1		ug/L		106	56 - 123
Ethylene Dibromide	<0.39		50.0	58.0		ug/L		116	70 - 125
1,2-Dichlorobenzene	<0.33		50.0	58.5		ug/L		117	70 - 125
1,2-Dichloroethane	<0.39		50.0	62.5		ug/L		125	68 - 127
1,2-Dichloropropane	<0.43		50.0	46.0		ug/L		92	67 - 130
1,3,5-Trimethylbenzene	<0.25		50.0	52.4		ug/L		105	70 - 123
1,3-Dichlorobenzene	0.63	J	50.0	56.4		ug/L		112	70 - 125
1,3-Dichloropropane	<0.36		50.0	53.1		ug/L		106	62 - 136
1,4-Dichlorobenzene	<0.36		50.0	57.3		ug/L		115	70 - 120
2,2-Dichloropropane	<0.44		50.0	53.0		ug/L		106	58 - 139
2-Chlorotoluene	<0.31		50.0	50.1		ug/L		100	70 - 125
4-Chlorotoluene	<0.35		50.0	51.0		ug/L		102	68 - 124
Benzene	<0.15		50.0	51.8		ug/L		104	70 - 120
Bromobenzene	<0.36		50.0	56.6		ug/L		113	70 - 122
Chlorobromomethane	<0.43	F1	50.0	61.8	F1	ug/L		124	65 - 122
Bromoform	<0.48		50.0	59.5		ug/L		119	56 - 132
Bromomethane	<0.80		50.0	70.8		ug/L		142	40 - 152
Carbon tetrachloride	<0.38		50.0	64.1		ug/L		128	59 - 133
Chlorobenzene	<0.39		50.0	56.3		ug/L		113	70 - 120
Chloroethane	<0.51		50.0	55.9		ug/L		112	48 - 136
Chloroform	<0.37		50.0	57.8		ug/L		116	70 - 120
Chloromethane	<0.32		50.0	44.5		ug/L		89	56 - 152
cis-1,2-Dichloroethene	1.1		50.0	55.4		ug/L		109	70 - 125
cis-1,3-Dichloropropene	<0.42		50.0	50.3		ug/L		101	64 - 127
Chlorodibromomethane	<0.49		50.0	61.4		ug/L		123	68 - 125
Dibromomethane	<0.27		50.0	57.5		ug/L		115	70 - 120
Dichlorobromomethane	<0.37		50.0	56.9		ug/L		114	69 - 120
Dichlorodifluoromethane	<0.67		50.0	44.4		ug/L		89	40 - 159
Ethylbenzene	<0.18		50.0	53.6		ug/L		107	70 - 123
Hexachlorobutadiene	<0.45		50.0	58.0		ug/L		116	51 - 150
Isopropylbenzene	<0.39		50.0	51.1		ug/L		102	70 - 126
Methyl tert-butyl ether	<0.39		50.0	48.0		ug/L		96	55 - 123
Methylene Chloride	3.3	J B	50.0	54.2		ug/L		102	69 - 125
Naphthalene	<0.34		50.0	50.2		ug/L		100	53 - 144
n-Butylbenzene	<0.39		50.0	52.6		ug/L		105	68 - 125
N-Propylbenzene	<0.41		50.0	51.3		ug/L		103	69 - 127
4-Isopropyltoluene	<0.36		50.0	54.4		ug/L		109	70 - 125
sec-Butylbenzene	<0.40		50.0	51.6		ug/L		103	70 - 123
Styrene	<0.39		50.0	55.7		ug/L		111	70 - 120

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# QC Sample Results

Client: Stantec Consulting Corporation  
 Project/Site: Chilton Plating - 193709334

Job ID: 500-248055-1

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

**Lab Sample ID: 500-248055-9 MS**

**Matrix: Water**

**Analysis Batch: 760977**

**Client Sample ID: SMW-2**

**Prep Type: Total/NA**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
tert-Butylbenzene	<0.40		50.0	52.2		ug/L		104	70 - 121
Tetrachloroethene	<0.37		50.0	61.0		ug/L		122	70 - 128
Toluene	<0.15		50.0	50.2		ug/L		100	70 - 125
trans-1,2-Dichloroethene	<0.35		50.0	57.5		ug/L		115	70 - 125
trans-1,3-Dichloropropene	<0.36		50.0	51.9		ug/L		104	62 - 128
Trichloroethene	3.8		50.0	62.0		ug/L		116	70 - 125
Trichlorofluoromethane	<0.43		50.0	63.4		ug/L		127	55 - 128
Vinyl chloride	<0.20		50.0	42.7		ug/L		85	64 - 126
Xylenes, Total	<0.22		100	104		ug/L		104	70 - 125

Surrogate	MS %Recovery	MS Qualifier	MS Limits
1,2-Dichloroethane-d4 (Surr)	119		75 - 126
4-Bromofluorobenzene (Surr)	91		72 - 124
Dibromofluoromethane (Surr)	109		75 - 120
Toluene-d8 (Surr)	99		75 - 120

**Lab Sample ID: 500-248055-9 MSD**

**Matrix: Water**

**Analysis Batch: 760977**

**Client Sample ID: SMW-2**

**Prep Type: Total/NA**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,1,1,2-Tetrachloroethane	<0.46		50.0	58.6		ug/L		117	70 - 125	4	20
1,1,1-Trichloroethane	<0.38		50.0	58.0		ug/L		116	70 - 125	5	20
1,1,1,2-Tetrachloroethane	<0.40		50.0	47.5		ug/L		95	62 - 140	2	20
1,1,2-Trichloroethane	<0.35		50.0	52.0		ug/L		104	71 - 130	3	20
1,1-Dichloroethane	<0.41		50.0	48.1		ug/L		96	70 - 125	3	20
1,1-Dichloroethene	<0.39		50.0	54.2		ug/L		108	67 - 122	6	20
1,1-Dichloropropene	<0.30		50.0	53.5		ug/L		107	70 - 121	3	20
1,2,3-Trichlorobenzene	<0.46		50.0	59.4		ug/L		119	51 - 145	13	20
1,2,3-Trichloropropane	<0.41		50.0	48.0		ug/L		96	50 - 133	5	20
1,2,4-Trichlorobenzene	<0.34		50.0	56.1		ug/L		112	57 - 137	5	20
1,2,4-Trimethylbenzene	<0.36		50.0	49.5		ug/L		99	70 - 123	4	20
1,2-Dibromo-3-Chloropropane	<2.0		50.0	52.1		ug/L		104	56 - 123	2	20
Ethylene Dibromide	<0.39		50.0	54.6		ug/L		109	70 - 125	6	20
1,2-Dichlorobenzene	<0.33		50.0	56.9		ug/L		114	70 - 125	3	20
1,2-Dichloroethane	<0.39		50.0	59.7		ug/L		119	68 - 127	5	20
1,2-Dichloropropane	<0.43		50.0	44.4		ug/L		89	67 - 130	4	20
1,3,5-Trimethylbenzene	<0.25		50.0	50.2		ug/L		100	70 - 123	4	20
1,3-Dichlorobenzene	0.63	J	50.0	54.5		ug/L		108	70 - 125	3	20
1,3-Dichloropropane	<0.36		50.0	51.3		ug/L		103	62 - 136	3	20
1,4-Dichlorobenzene	<0.36		50.0	54.4		ug/L		109	70 - 120	5	20
2,2-Dichloropropane	<0.44		50.0	52.5		ug/L		105	58 - 139	1	20
2-Chlorotoluene	<0.31		50.0	48.4		ug/L		97	70 - 125	3	20
4-Chlorotoluene	<0.35		50.0	49.4		ug/L		99	68 - 124	3	20
Benzene	<0.15		50.0	49.4		ug/L		99	70 - 120	5	20
Bromobenzene	<0.36		50.0	54.1		ug/L		108	70 - 122	5	20
Chlorobromomethane	<0.43	F1	50.0	60.9		ug/L		122	65 - 122	2	20
Bromoform	<0.48		50.0	57.8		ug/L		116	56 - 132	3	20

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# QC Sample Results

Client: Stantec Consulting Corporation  
 Project/Site: Chilton Plating - 193709334

Job ID: 500-248055-1

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

**Lab Sample ID: 500-248055-9 MSD**  
**Matrix: Water**  
**Analysis Batch: 760977**

**Client Sample ID: SMW-2**  
**Prep Type: Total/NA**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Bromomethane	<0.80		50.0	68.3		ug/L		137	40 - 152	4	20
Carbon tetrachloride	<0.38		50.0	61.6		ug/L		123	59 - 133	4	20
Chlorobenzene	<0.39		50.0	55.0		ug/L		110	70 - 120	2	20
Chloroethane	<0.51		50.0	51.9		ug/L		104	48 - 136	7	20
Chloroform	<0.37		50.0	54.7		ug/L		109	70 - 120	6	20
Chloromethane	<0.32		50.0	39.2		ug/L		78	56 - 152	13	20
cis-1,2-Dichloroethene	1.1		50.0	53.4		ug/L		105	70 - 125	4	20
cis-1,3-Dichloropropene	<0.42		50.0	49.0		ug/L		98	64 - 127	3	20
Chlorodibromomethane	<0.49		50.0	58.3		ug/L		117	68 - 125	5	20
Dibromomethane	<0.27		50.0	54.1		ug/L		108	70 - 120	6	20
Dichlorobromomethane	<0.37		50.0	55.5		ug/L		111	69 - 120	2	20
Dichlorodifluoromethane	<0.67		50.0	42.0		ug/L		84	40 - 159	6	20
Ethylbenzene	<0.18		50.0	51.0		ug/L		102	70 - 123	5	20
Hexachlorobutadiene	<0.45		50.0	57.5		ug/L		115	51 - 150	1	20
Isopropylbenzene	<0.39		50.0	49.4		ug/L		99	70 - 126	4	20
Methyl tert-butyl ether	<0.39		50.0	47.2		ug/L		94	55 - 123	2	20
Methylene Chloride	3.3	J B	50.0	52.4		ug/L		98	69 - 125	3	20
Naphthalene	<0.34		50.0	54.1		ug/L		108	53 - 144	7	20
n-Butylbenzene	<0.39		50.0	50.7		ug/L		101	68 - 125	4	20
N-Propylbenzene	<0.41		50.0	48.6		ug/L		97	69 - 127	5	20
4-Isopropyltoluene	<0.36		50.0	52.5		ug/L		105	70 - 125	4	20
sec-Butylbenzene	<0.40		50.0	50.0		ug/L		100	70 - 123	3	20
Styrene	<0.39		50.0	54.2		ug/L		108	70 - 120	3	20
tert-Butylbenzene	<0.40		50.0	51.2		ug/L		102	70 - 121	2	20
Tetrachloroethene	<0.37		50.0	57.4		ug/L		115	70 - 128	6	20
Toluene	<0.15		50.0	48.6		ug/L		97	70 - 125	3	20
trans-1,2-Dichloroethene	<0.35		50.0	54.9		ug/L		110	70 - 125	5	20
trans-1,3-Dichloropropene	<0.36		50.0	49.6		ug/L		99	62 - 128	5	20
Trichloroethene	3.8		50.0	59.7		ug/L		112	70 - 125	4	20
Trichlorofluoromethane	<0.43		50.0	61.2		ug/L		122	55 - 128	3	20
Vinyl chloride	<0.20		50.0	42.4		ug/L		85	64 - 126	1	20
Xylenes, Total	<0.22		100	100		ug/L		100	70 - 125	4	20

Surrogate	MSD %Recovery	MSD Qualifier	MSD Limits
1,2-Dichloroethane-d4 (Surr)	117		75 - 126
4-Bromofluorobenzene (Surr)	90		72 - 124
Dibromofluoromethane (Surr)	110		75 - 120
Toluene-d8 (Surr)	99		75 - 120

**Lab Sample ID: MB 500-761209/6**  
**Matrix: Water**  
**Analysis Batch: 761209**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			04/03/24 10:28	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			04/03/24 10:28	1
1,1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			04/03/24 10:28	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			04/03/24 10:28	1

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# QC Sample Results

Client: Stantec Consulting Corporation  
 Project/Site: Chilton Plating - 193709334

Job ID: 500-248055-1

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

**Lab Sample ID: MB 500-761209/6**  
**Matrix: Water**  
**Analysis Batch: 761209**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			04/03/24 10:28	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			04/03/24 10:28	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			04/03/24 10:28	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			04/03/24 10:28	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			04/03/24 10:28	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			04/03/24 10:28	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			04/03/24 10:28	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			04/03/24 10:28	1
Ethylene Dibromide	<0.39		1.0	0.39	ug/L			04/03/24 10:28	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			04/03/24 10:28	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			04/03/24 10:28	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			04/03/24 10:28	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			04/03/24 10:28	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			04/03/24 10:28	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			04/03/24 10:28	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			04/03/24 10:28	1
2,2-Dichloropropane	<0.44		5.0	0.44	ug/L			04/03/24 10:28	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			04/03/24 10:28	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			04/03/24 10:28	1
Benzene	<0.15		0.50	0.15	ug/L			04/03/24 10:28	1
Bromobenzene	<0.36		1.0	0.36	ug/L			04/03/24 10:28	1
Chlorobromomethane	<0.43		1.0	0.43	ug/L			04/03/24 10:28	1
Bromoform	<0.48		1.0	0.48	ug/L			04/03/24 10:28	1
Bromomethane	<0.80		3.0	0.80	ug/L			04/03/24 10:28	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			04/03/24 10:28	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			04/03/24 10:28	1
Chloroethane	<0.51		5.0	0.51	ug/L			04/03/24 10:28	1
Chloroform	0.567	J	2.0	0.37	ug/L			04/03/24 10:28	1
Chloromethane	1.28	J	5.0	0.32	ug/L			04/03/24 10:28	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			04/03/24 10:28	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			04/03/24 10:28	1
Chlorodibromomethane	<0.49		1.0	0.49	ug/L			04/03/24 10:28	1
Dibromomethane	<0.27		1.0	0.27	ug/L			04/03/24 10:28	1
Dichlorobromomethane	<0.37		1.0	0.37	ug/L			04/03/24 10:28	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			04/03/24 10:28	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			04/03/24 10:28	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			04/03/24 10:28	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			04/03/24 10:28	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			04/03/24 10:28	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			04/03/24 10:28	1
Methylene Chloride	3.20	J	5.0	1.6	ug/L			04/03/24 10:28	1
Naphthalene	<0.34		1.0	0.34	ug/L			04/03/24 10:28	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			04/03/24 10:28	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			04/03/24 10:28	1
4-Isopropyltoluene	<0.36		1.0	0.36	ug/L			04/03/24 10:28	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			04/03/24 10:28	1
Styrene	<0.39		1.0	0.39	ug/L			04/03/24 10:28	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			04/03/24 10:28	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			04/03/24 10:28	1

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# QC Sample Results

Client: Stantec Consulting Corporation  
 Project/Site: Chilton Plating - 193709334

Job ID: 500-248055-1

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

**Lab Sample ID: MB 500-761209/6**  
**Matrix: Water**  
**Analysis Batch: 761209**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Toluene	<0.15		0.50	0.15	ug/L			04/03/24 10:28	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			04/03/24 10:28	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			04/03/24 10:28	1
Trichloroethene	<0.16		0.50	0.16	ug/L			04/03/24 10:28	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			04/03/24 10:28	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			04/03/24 10:28	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			04/03/24 10:28	1

Surrogate	MB MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
1,2-Dichloroethane-d4 (Surr)	119		75 - 126		04/03/24 10:28	1
4-Bromofluorobenzene (Surr)	93		72 - 124		04/03/24 10:28	1
Dibromofluoromethane (Surr)	109		75 - 120		04/03/24 10:28	1
Toluene-d8 (Surr)	97		75 - 120		04/03/24 10:28	1

**Lab Sample ID: LCS 500-761209/4**  
**Matrix: Water**  
**Analysis Batch: 761209**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**

Analyte	Spike Added	LCS	LCS	Unit	D	%Rec	%Rec Limits
		Result	Qualifier				
1,1,1,2-Tetrachloroethane	50.0	51.1		ug/L		102	70 - 125
1,1,1-Trichloroethane	50.0	53.9		ug/L		108	70 - 125
1,1,2,2-Tetrachloroethane	50.0	37.9		ug/L		76	62 - 140
1,1,2-Trichloroethane	50.0	43.1		ug/L		86	71 - 130
1,1-Dichloroethane	50.0	43.6		ug/L		87	70 - 125
1,1-Dichloroethene	50.0	49.7		ug/L		99	67 - 122
1,1-Dichloropropene	50.0	49.1		ug/L		98	70 - 121
1,2,3-Trichlorobenzene	50.0	51.5		ug/L		103	51 - 145
1,2,3-Trichloropropane	50.0	40.8		ug/L		82	50 - 133
1,2,4-Trichlorobenzene	50.0	50.2		ug/L		100	57 - 137
1,2,4-Trimethylbenzene	50.0	45.4		ug/L		91	70 - 123
1,2-Dibromo-3-Chloropropane	50.0	42.5		ug/L		85	56 - 123
Ethylene Dibromide	50.0	46.3		ug/L		93	70 - 125
1,2-Dichlorobenzene	50.0	48.8		ug/L		98	70 - 125
1,2-Dichloroethane	50.0	50.8		ug/L		102	68 - 127
1,2-Dichloropropane	50.0	38.9		ug/L		78	67 - 130
1,3,5-Trimethylbenzene	50.0	46.2		ug/L		92	70 - 123
1,3-Dichlorobenzene	50.0	48.2		ug/L		96	70 - 125
1,3-Dichloropropane	50.0	44.3		ug/L		89	62 - 136
1,4-Dichlorobenzene	50.0	48.6		ug/L		97	70 - 120
2,2-Dichloropropane	50.0	52.0		ug/L		104	58 - 139
2-Chlorotoluene	50.0	43.3		ug/L		87	70 - 125
4-Chlorotoluene	50.0	44.1		ug/L		88	68 - 124
Benzene	50.0	45.0		ug/L		90	70 - 120
Bromobenzene	50.0	47.6		ug/L		95	70 - 122
Chlorobromomethane	50.0	50.8		ug/L		102	65 - 122
Bromoform	50.0	46.3		ug/L		93	56 - 132
Bromomethane	50.0	70.2		ug/L		140	40 - 152
Carbon tetrachloride	50.0	56.7		ug/L		113	59 - 133

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# QC Sample Results

Client: Stantec Consulting Corporation  
 Project/Site: Chilton Plating - 193709334

Job ID: 500-248055-1

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

Lab Sample ID: LCS 500-761209/4  
 Matrix: Water  
 Analysis Batch: 761209

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chlorobenzene	50.0	48.1		ug/L		96	70 - 120
Chloroethane	50.0	54.0		ug/L		108	48 - 136
Chloroform	50.0	48.9		ug/L		98	70 - 120
Chloromethane	50.0	36.0		ug/L		72	56 - 152
cis-1,2-Dichloroethene	50.0	45.9		ug/L		92	70 - 125
cis-1,3-Dichloropropene	50.0	43.0		ug/L		86	64 - 127
Chlorodibromomethane	50.0	48.5		ug/L		97	68 - 125
Dibromomethane	50.0	46.6		ug/L		93	70 - 120
Dichlorobromomethane	50.0	47.3		ug/L		95	69 - 120
Dichlorodifluoromethane	50.0	41.5		ug/L		83	40 - 159
Ethylbenzene	50.0	46.1		ug/L		92	70 - 123
Hexachlorobutadiene	50.0	56.4		ug/L		113	51 - 150
Isopropylbenzene	50.0	45.2		ug/L		90	70 - 126
Methyl tert-butyl ether	50.0	39.4		ug/L		79	55 - 123
Methylene Chloride	50.0	46.1		ug/L		92	69 - 125
Naphthalene	50.0	43.7		ug/L		87	53 - 144
n-Butylbenzene	50.0	48.1		ug/L		96	68 - 125
N-Propylbenzene	50.0	45.0		ug/L		90	69 - 127
4-Isopropyltoluene	50.0	48.7		ug/L		97	70 - 125
sec-Butylbenzene	50.0	46.3		ug/L		93	70 - 123
Styrene	50.0	47.5		ug/L		95	70 - 120
tert-Butylbenzene	50.0	47.3		ug/L		95	70 - 121
Tetrachloroethene	50.0	53.0		ug/L		106	70 - 128
Toluene	50.0	42.9		ug/L		86	70 - 125
trans-1,2-Dichloroethene	50.0	49.0		ug/L		98	70 - 125
trans-1,3-Dichloropropene	50.0	43.4		ug/L		87	62 - 128
Trichloroethene	50.0	51.2		ug/L		102	70 - 125
Trichlorofluoromethane	50.0	64.4	*+	ug/L		129	55 - 128
Vinyl chloride	50.0	42.1		ug/L		84	64 - 126
Xylenes, Total	100	90.2		ug/L		90	70 - 125

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	114		75 - 126
4-Bromofluorobenzene (Surr)	92		72 - 124
Dibromofluoromethane (Surr)	106		75 - 120
Toluene-d8 (Surr)	99		75 - 120

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

Lab Sample ID: MB 500-760099/1-A  
 Matrix: Water  
 Analysis Batch: 760138

Client Sample ID: Method Blank  
 Prep Type: Total/NA  
 Prep Batch: 760099

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1-Methylnaphthalene	<0.24		1.6	0.24	ug/L		03/27/24 07:30	03/27/24 16:57	1
2-Methylnaphthalene	<0.052		1.6	0.052	ug/L		03/27/24 07:30	03/27/24 16:57	1
Acenaphthene	<0.25		0.80	0.25	ug/L		03/27/24 07:30	03/27/24 16:57	1
Acenaphthylene	<0.21		0.80	0.21	ug/L		03/27/24 07:30	03/27/24 16:57	1
Anthracene	<0.27		0.80	0.27	ug/L		03/27/24 07:30	03/27/24 16:57	1

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# QC Sample Results

Client: Stantec Consulting Corporation  
 Project/Site: Chilton Plating - 193709334

Job ID: 500-248055-1

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

**Lab Sample ID: MB 500-760099/1-A**  
**Matrix: Water**  
**Analysis Batch: 760138**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 760099**

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Benzo[a]anthracene	<0.045		0.16	0.045	ug/L		03/27/24 07:30	03/27/24 16:57	1
Benzo[a]pyrene	<0.079		0.16	0.079	ug/L		03/27/24 07:30	03/27/24 16:57	1
Benzo[b]fluoranthene	<0.065		0.16	0.065	ug/L		03/27/24 07:30	03/27/24 16:57	1
Benzo[g,h,i]perylene	<0.30		0.80	0.30	ug/L		03/27/24 07:30	03/27/24 16:57	1
Benzo[k]fluoranthene	<0.051		0.16	0.051	ug/L		03/27/24 07:30	03/27/24 16:57	1
Chrysene	<0.055		0.16	0.055	ug/L		03/27/24 07:30	03/27/24 16:57	1
Dibenz(a,h)anthracene	<0.041		0.24	0.041	ug/L		03/27/24 07:30	03/27/24 16:57	1
Fluoranthene	<0.36		0.80	0.36	ug/L		03/27/24 07:30	03/27/24 16:57	1
Fluorene	<0.20		0.80	0.20	ug/L		03/27/24 07:30	03/27/24 16:57	1
Indeno[1,2,3-cd]pyrene	<0.060		0.16	0.060	ug/L		03/27/24 07:30	03/27/24 16:57	1
Naphthalene	<0.25		0.80	0.25	ug/L		03/27/24 07:30	03/27/24 16:57	1
Phenanthrene	<0.24		0.80	0.24	ug/L		03/27/24 07:30	03/27/24 16:57	1
Pyrene	<0.34		0.80	0.34	ug/L		03/27/24 07:30	03/27/24 16:57	1

Surrogate	MB MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
2-Fluorobiphenyl (Surr)	67		34 - 110	03/27/24 07:30	03/27/24 16:57	1
Nitrobenzene-d5 (Surr)	89		36 - 120	03/27/24 07:30	03/27/24 16:57	1
Terphenyl-d14 (Surr)	84		40 - 145	03/27/24 07:30	03/27/24 16:57	1

**Lab Sample ID: LCS 500-760099/2-A**  
**Matrix: Water**  
**Analysis Batch: 760138**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 760099**

Analyte	Spike Added	LCS LCS		Unit	D	%Rec	Limits
		Result	Qualifier				
1-Methylnaphthalene	32.0	22.1		ug/L		69	38 - 110
2-Methylnaphthalene	32.0	21.8		ug/L		68	34 - 110
Acenaphthene	32.0	25.7		ug/L		80	46 - 110
Acenaphthylene	32.0	25.8		ug/L		81	47 - 113
Anthracene	32.0	29.2		ug/L		91	67 - 118
Benzo[a]anthracene	32.0	28.6		ug/L		89	70 - 126
Benzo[a]pyrene	32.0	30.2		ug/L		94	70 - 135
Benzo[b]fluoranthene	32.0	30.2		ug/L		94	69 - 136
Benzo[g,h,i]perylene	32.0	31.3		ug/L		98	70 - 135
Benzo[k]fluoranthene	32.0	29.8		ug/L		93	70 - 133
Chrysene	32.0	29.9		ug/L		93	68 - 129
Dibenz(a,h)anthracene	32.0	29.9		ug/L		93	70 - 134
Fluoranthene	32.0	31.8		ug/L		99	68 - 126
Fluorene	32.0	27.6		ug/L		86	53 - 120
Indeno[1,2,3-cd]pyrene	32.0	30.5		ug/L		95	65 - 133
Naphthalene	32.0	21.9		ug/L		68	36 - 110
Phenanthrene	32.0	29.1		ug/L		91	65 - 120
Pyrene	32.0	29.2		ug/L		91	70 - 126

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
2-Fluorobiphenyl (Surr)	75		34 - 110
Nitrobenzene-d5 (Surr)	94		36 - 120
Terphenyl-d14 (Surr)	81		40 - 145

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# QC Sample Results

Client: Stantec Consulting Corporation  
 Project/Site: Chilton Plating - 193709334

Job ID: 500-248055-1

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

**Lab Sample ID: LCSD 500-760099/3-A**  
**Matrix: Water**  
**Analysis Batch: 760138**

**Client Sample ID: Lab Control Sample Dup**  
**Prep Type: Total/NA**  
**Prep Batch: 760099**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec		RPD	Limit
							Limits	RPD		
1-Methylnaphthalene	32.0	22.7		ug/L		71	38 - 110	3	20	
2-Methylnaphthalene	32.0	22.4		ug/L		70	34 - 110	3	20	
Acenaphthene	32.0	25.8		ug/L		81	46 - 110	1	20	
Acenaphthylene	32.0	26.3		ug/L		82	47 - 113	2	20	
Anthracene	32.0	30.2		ug/L		94	67 - 118	3	20	
Benzo[a]anthracene	32.0	29.1		ug/L		91	70 - 126	2	20	
Benzo[a]pyrene	32.0	31.7		ug/L		99	70 - 135	5	20	
Benzo[b]fluoranthene	32.0	30.6		ug/L		96	69 - 136	1	20	
Benzo[g,h,i]perylene	32.0	31.8		ug/L		99	70 - 135	2	20	
Benzo[k]fluoranthene	32.0	31.4		ug/L		98	70 - 133	5	20	
Chrysene	32.0	30.7		ug/L		96	68 - 129	3	20	
Dibenz(a,h)anthracene	32.0	32.1		ug/L		100	70 - 134	7	20	
Fluoranthene	32.0	33.0		ug/L		103	68 - 126	4	20	
Fluorene	32.0	28.2		ug/L		88	53 - 120	2	20	
Indeno[1,2,3-cd]pyrene	32.0	31.4		ug/L		98	65 - 133	3	20	
Naphthalene	32.0	21.8		ug/L		68	36 - 110	0	20	
Phenanthrene	32.0	29.6		ug/L		92	65 - 120	2	20	
Pyrene	32.0	29.7		ug/L		93	70 - 126	1	20	

Surrogate	LCSD %Recovery	LCSD Qualifier	LCSD Limits
2-Fluorobiphenyl (Surr)	80		34 - 110
Nitrobenzene-d5 (Surr)	93		36 - 120
Terphenyl-d14 (Surr)	83		40 - 145

## Method: 6020B - Metals (ICP/MS)

**Lab Sample ID: MB 500-761286/1-A**  
**Matrix: Water**  
**Analysis Batch: 761718**

**Client Sample ID: Method Blank**  
**Prep Type: Total Recoverable**  
**Prep Batch: 761286**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.23		1.0	0.23	ug/L		04/03/24 08:46	04/04/24 15:05	1
Barium	<0.73		2.5	0.73	ug/L		04/03/24 08:46	04/04/24 15:05	1
Cadmium	<0.17		0.50	0.17	ug/L		04/03/24 08:46	04/04/24 15:05	1
Chromium	<1.1		5.0	1.1	ug/L		04/03/24 08:46	04/04/24 15:05	1
Lead	<0.19		0.50	0.19	ug/L		04/03/24 08:46	04/04/24 15:05	1
Selenium	<0.98		2.5	0.98	ug/L		04/03/24 08:46	04/04/24 15:05	1
Silver	<0.12		0.50	0.12	ug/L		04/03/24 08:46	04/04/24 15:05	1

**Lab Sample ID: LCS 500-761286/2-A**  
**Matrix: Water**  
**Analysis Batch: 761718**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total Recoverable**  
**Prep Batch: 761286**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec	
							Limits	RPD
Arsenic	100	87.5		ug/L		87	80 - 120	
Barium	500	482		ug/L		96	80 - 120	
Cadmium	50.0	48.0		ug/L		96	80 - 120	
Chromium	200	185		ug/L		92	80 - 120	
Lead	100	94.9		ug/L		95	80 - 120	

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# QC Sample Results

Client: Stantec Consulting Corporation  
 Project/Site: Chilton Plating - 193709334

Job ID: 500-248055-1

## Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: LCS 500-761286/2-A  
 Matrix: Water  
 Analysis Batch: 761718

Client Sample ID: Lab Control Sample  
 Prep Type: Total Recoverable  
 Prep Batch: 761286

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Selenium	100	92.8		ug/L		93	80 - 120
Silver	50.0	49.1		ug/L		98	80 - 120

## Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 500-761784/12-A  
 Matrix: Water  
 Analysis Batch: 762054

Client Sample ID: Method Blank  
 Prep Type: Total/NA  
 Prep Batch: 761784

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.079		0.20	0.079	ug/L		04/05/24 11:15	04/08/24 08:44	1

Lab Sample ID: LCS 500-761784/13-A  
 Matrix: Water  
 Analysis Batch: 762054

Client Sample ID: Lab Control Sample  
 Prep Type: Total/NA  
 Prep Batch: 761784

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	2.01	2.08		ug/L		104	80 - 120

Lab Sample ID: 500-248055-9 MS  
 Matrix: Water  
 Analysis Batch: 762054

Client Sample ID: SMW-2  
 Prep Type: Dissolved  
 Prep Batch: 761784

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	<0.079		1.00	1.07		ug/L		107	75 - 125

Lab Sample ID: 500-248055-9 MSD  
 Matrix: Water  
 Analysis Batch: 762054

Client Sample ID: SMW-2  
 Prep Type: Dissolved  
 Prep Batch: 761784

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury	<0.079		1.00	1.08		ug/L		108	75 - 125	1	20

Lab Sample ID: 500-248055-9 DU  
 Matrix: Water  
 Analysis Batch: 762054

Client Sample ID: SMW-2  
 Prep Type: Dissolved  
 Prep Batch: 761784

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Mercury	<0.079		<0.079		ug/L		NC	20

## Method: 9012B - Cyanide, Total and/or Amenable

Lab Sample ID: MB 500-760239/1-A  
 Matrix: Water  
 Analysis Batch: 760262

Client Sample ID: Method Blank  
 Prep Type: Total/NA  
 Prep Batch: 760239

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.0036		0.0050	0.0036	mg/L		03/27/24 13:55	03/27/24 15:24	1

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# QC Sample Results

Client: Stantec Consulting Corporation  
Project/Site: Chilton Plating - 193709334

Job ID: 500-248055-1

## Method: 9012B - Cyanide, Total and/or Amenable (Continued)

Lab Sample ID: LCS 500-760239/2-A  
Matrix: Water  
Analysis Batch: 760262

Client Sample ID: Lab Control Sample  
Prep Type: Total/NA  
Prep Batch: 760239

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Cyanide, Total	0.100	0.0905		mg/L		91	85 - 115

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

# Lab Chronicle

Client: Stantec Consulting Corporation  
 Project/Site: Chilton Plating - 193709334

Job ID: 500-248055-1

## Client Sample ID: CPMW02

Date Collected: 03/21/24 15:55

Date Received: 03/26/24 10:20

## Lab Sample ID: 500-248055-1

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	760977	W1T	EET CHI	04/02/24 12:23
Total/NA	Prep	3510C			760099	AC	EET CHI	03/27/24 07:30
Total/NA	Analysis	8270E		1	760138	H7CM	EET CHI	03/27/24 18:44
Dissolved	Prep	3005A			761286	BDE	EET CHI	04/03/24 08:46 - 04/03/24 14:46 <sup>1</sup>
Dissolved	Analysis	6020B		1	761718	RN	EET CHI	04/04/24 15:47
Dissolved	Prep	7470A			761784	MJG	EET CHI	04/05/24 11:15 - 04/05/24 13:15 <sup>1</sup>
Dissolved	Analysis	7470A		1	762054	MJG	EET CHI	04/08/24 08:48

## Client Sample ID: CPMW03

Date Collected: 03/21/24 14:25

Date Received: 03/26/24 10:20

## Lab Sample ID: 500-248055-2

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	760977	W1T	EET CHI	04/02/24 12:48
Total/NA	Analysis	8260D	DL	10	761209	W1T	EET CHI	04/03/24 12:06
Total/NA	Prep	3510C			760099	AC	EET CHI	03/27/24 07:30
Total/NA	Analysis	8270E		1	760138	H7CM	EET CHI	03/27/24 19:06
Dissolved	Prep	3005A			761286	BDE	EET CHI	04/03/24 08:46 - 04/03/24 14:46 <sup>1</sup>
Dissolved	Analysis	6020B		1	761718	RN	EET CHI	04/04/24 15:50
Dissolved	Prep	7470A			761784	MJG	EET CHI	04/05/24 11:15 - 04/05/24 13:15 <sup>1</sup>
Dissolved	Analysis	7470A		1	762054	MJG	EET CHI	04/08/24 08:50

## Client Sample ID: CPMW04A

Date Collected: 03/21/24 11:45

Date Received: 03/26/24 10:20

## Lab Sample ID: 500-248055-3

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	761209	W1T	EET CHI	04/03/24 11:41
Total/NA	Prep	3510C			760099	AC	EET CHI	03/27/24 07:30
Total/NA	Analysis	8270E		1	760138	H7CM	EET CHI	03/27/24 19:27
Dissolved	Prep	3005A			761286	BDE	EET CHI	04/03/24 08:46 - 04/03/24 14:46 <sup>1</sup>
Dissolved	Analysis	6020B		1	761718	RN	EET CHI	04/04/24 15:54
Dissolved	Prep	7470A			761784	MJG	EET CHI	04/05/24 11:15 - 04/05/24 13:15 <sup>1</sup>
Dissolved	Analysis	7470A		1	762054	MJG	EET CHI	04/08/24 08:52

## Client Sample ID: CPPZ104

Date Collected: 03/21/24 12:30

Date Received: 03/26/24 10:20

## Lab Sample ID: 500-248055-4

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	761209	W1T	EET CHI	04/03/24 11:17
Total/NA	Prep	3510C			760099	AC	EET CHI	03/27/24 07:30
Total/NA	Analysis	8270E		1	760138	H7CM	EET CHI	03/27/24 19:49
Dissolved	Prep	3005A			761286	BDE	EET CHI	04/03/24 08:46 - 04/03/24 14:46 <sup>1</sup>
Dissolved	Analysis	6020B		1	761718	RN	EET CHI	04/04/24 15:57

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# Lab Chronicle

Client: Stantec Consulting Corporation  
 Project/Site: Chilton Plating - 193709334

Job ID: 500-248055-1

**Client Sample ID: CPPZ104**

**Date Collected: 03/21/24 12:30**

**Date Received: 03/26/24 10:20**

**Lab Sample ID: 500-248055-4**

**Matrix: Water**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Dissolved	Prep	7470A			761784	MJG	EET CHI	04/05/24 11:15 - 04/05/24 13:15 <sup>1</sup>
Dissolved	Analysis	7470A		1	762054	MJG	EET CHI	04/08/24 08:54

**Client Sample ID: CPPZ105**

**Date Collected: 03/21/24 11:35**

**Date Received: 03/26/24 10:20**

**Lab Sample ID: 500-248055-5**

**Matrix: Water**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	760977	W1T	EET CHI	04/02/24 14:01
Total/NA	Prep	3510C			760099	AC	EET CHI	03/27/24 07:30
Total/NA	Analysis	8270E		1	760138	H7CM	EET CHI	03/27/24 20:10
Dissolved	Prep	3005A			761286	BDE	EET CHI	04/03/24 08:46 - 04/03/24 14:46 <sup>1</sup>
Dissolved	Analysis	6020B		1	761718	RN	EET CHI	04/04/24 16:00
Dissolved	Prep	7470A			761784	MJG	EET CHI	04/05/24 11:15 - 04/05/24 13:15 <sup>1</sup>
Dissolved	Analysis	7470A		1	762054	MJG	EET CHI	04/08/24 08:56

**Client Sample ID: GSMW103**

**Date Collected: 03/21/24 09:45**

**Date Received: 03/26/24 10:20**

**Lab Sample ID: 500-248055-6**

**Matrix: Water**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	760977	W1T	EET CHI	04/02/24 14:25
Total/NA	Prep	3510C			760099	AC	EET CHI	03/27/24 07:30
Total/NA	Analysis	8270E		1	760138	H7CM	EET CHI	03/27/24 20:32
Dissolved	Prep	3005A			761286	BDE	EET CHI	04/03/24 08:46 - 04/03/24 14:46 <sup>1</sup>
Dissolved	Analysis	6020B		1	761718	RN	EET CHI	04/04/24 16:04
Dissolved	Prep	7470A			761784	MJG	EET CHI	04/05/24 11:15 - 04/05/24 13:15 <sup>1</sup>
Dissolved	Analysis	7470A		1	762054	MJG	EET CHI	04/08/24 08:59

**Client Sample ID: GSPZ103**

**Date Collected: 03/21/24 09:55**

**Date Received: 03/26/24 10:20**

**Lab Sample ID: 500-248055-7**

**Matrix: Water**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	760977	W1T	EET CHI	04/02/24 14:49
Total/NA	Prep	3510C			760099	AC	EET CHI	03/27/24 07:30
Total/NA	Analysis	8270E		1	760138	H7CM	EET CHI	03/27/24 20:54
Dissolved	Prep	3005A			761286	BDE	EET CHI	04/03/24 08:46 - 04/03/24 14:46 <sup>1</sup>
Dissolved	Analysis	6020B		1	761718	RN	EET CHI	04/04/24 16:14
Dissolved	Prep	3005A			761286	BDE	EET CHI	04/03/24 08:46 - 04/03/24 14:46 <sup>1</sup>
Dissolved	Analysis	6020B		1	761800	RN	EET CHI	04/05/24 12:06
Dissolved	Prep	7470A			761784	MJG	EET CHI	04/05/24 11:15 - 04/05/24 13:15 <sup>1</sup>
Dissolved	Analysis	7470A		1	762054	MJG	EET CHI	04/08/24 09:01

# Lab Chronicle

Client: Stantec Consulting Corporation  
 Project/Site: Chilton Plating - 193709334

Job ID: 500-248055-1

**Client Sample ID: SMW-1**  
**Date Collected: 03/21/24 13:40**  
**Date Received: 03/26/24 10:20**

**Lab Sample ID: 500-248055-8**  
**Matrix: Water**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	760977	W1T	EET CHI	04/02/24 15:14
Total/NA	Prep	3510C			760099	AC	EET CHI	03/27/24 07:30
Total/NA	Analysis	8270E		1	760138	H7CM	EET CHI	03/27/24 21:15
Dissolved	Prep	3005A			761286	BDE	EET CHI	04/03/24 08:46 - 04/03/24 14:46 <sup>1</sup>
Dissolved	Analysis	6020B		1	761718	RN	EET CHI	04/04/24 16:18
Dissolved	Prep	3005A			761286	BDE	EET CHI	04/03/24 08:46 - 04/03/24 14:46 <sup>1</sup>
Dissolved	Analysis	6020B		1	761800	RN	EET CHI	04/05/24 12:09
Dissolved	Prep	7470A			761784	MJG	EET CHI	04/05/24 11:15 - 04/05/24 13:15 <sup>1</sup>
Dissolved	Analysis	7470A		1	762054	MJG	EET CHI	04/08/24 09:07

**Client Sample ID: SMW-2**  
**Date Collected: 03/21/24 16:00**  
**Date Received: 03/26/24 10:20**

**Lab Sample ID: 500-248055-9**  
**Matrix: Water**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	760977	W1T	EET CHI	04/02/24 15:38
Total/NA	Prep	3510C			760099	AC	EET CHI	03/27/24 07:30
Total/NA	Analysis	8270E		1	760138	H7CM	EET CHI	03/27/24 21:37
Dissolved	Prep	3005A			761286	BDE	EET CHI	04/03/24 08:46 - 04/03/24 14:46 <sup>1</sup>
Dissolved	Analysis	6020B		1	761718	RN	EET CHI	04/04/24 16:21
Dissolved	Prep	3005A			761286	BDE	EET CHI	04/03/24 08:46 - 04/03/24 14:46 <sup>1</sup>
Dissolved	Analysis	6020B		1	761800	RN	EET CHI	04/05/24 12:13
Dissolved	Prep	7470A			761784	MJG	EET CHI	04/05/24 11:15 - 04/05/24 13:15 <sup>1</sup>
Dissolved	Analysis	7470A		1	762054	MJG	EET CHI	04/08/24 09:09

**Client Sample ID: SMW-3**  
**Date Collected: 03/21/24 18:15**  
**Date Received: 03/26/24 10:20**

**Lab Sample ID: 500-248055-10**  
**Matrix: Water**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	760977	W1T	EET CHI	04/02/24 16:03
Total/NA	Analysis	8260D	DL	10	761209	W1T	EET CHI	04/03/24 12:30
Total/NA	Prep	3510C			760099	AC	EET CHI	03/27/24 07:30
Total/NA	Analysis	8270E		1	760138	H7CM	EET CHI	03/27/24 21:58
Dissolved	Prep	3005A			761286	BDE	EET CHI	04/03/24 08:46 - 04/03/24 14:46 <sup>1</sup>
Dissolved	Analysis	6020B		1	761718	RN	EET CHI	04/04/24 16:25
Dissolved	Prep	3005A			761286	BDE	EET CHI	04/03/24 08:46 - 04/03/24 14:46 <sup>1</sup>
Dissolved	Analysis	6020B		1	761800	RN	EET CHI	04/05/24 12:16
Dissolved	Prep	7470A			761784	MJG	EET CHI	04/05/24 11:15 - 04/05/24 13:15 <sup>1</sup>
Dissolved	Analysis	7470A		1	762054	MJG	EET CHI	04/08/24 09:18

# Lab Chronicle

Client: Stantec Consulting Corporation  
 Project/Site: Chilton Plating - 193709334

Job ID: 500-248055-1

**Client Sample ID: SMW-5**  
**Date Collected: 03/21/24 15:30**  
**Date Received: 03/26/24 10:20**

**Lab Sample ID: 500-248055-11**  
**Matrix: Water**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	760977	W1T	EET CHI	04/02/24 16:27
Total/NA	Analysis	8260D	DL	10	761209	W1T	EET CHI	04/03/24 12:54
Total/NA	Prep	3510C			760099	AC	EET CHI	03/27/24 07:30
Total/NA	Analysis	8270E		1	760138	H7CM	EET CHI	03/27/24 22:20
Dissolved	Prep	3005A			761286	BDE	EET CHI	04/03/24 08:46 - 04/03/24 14:46 <sup>1</sup>
Dissolved	Analysis	6020B		1	761718	RN	EET CHI	04/04/24 16:28
Dissolved	Prep	3005A			761286	BDE	EET CHI	04/03/24 08:46 - 04/03/24 14:46 <sup>1</sup>
Dissolved	Analysis	6020B		1	761800	RN	EET CHI	04/05/24 12:20
Dissolved	Prep	7470A			761784	MJG	EET CHI	04/05/24 11:15 - 04/05/24 13:15 <sup>1</sup>
Dissolved	Analysis	7470A		1	762054	MJG	EET CHI	04/08/24 09:20
Total/NA	Prep	9010C			760239	KH	EET CHI	03/27/24 13:55 - 03/27/24 14:25 <sup>1</sup>
Total/NA	Analysis	9012B		1	760262	KH	EET CHI	03/27/24 15:38
Total/NA	Analysis	9012B		1	761502	TJW	EET CHI	04/04/24 08:37

**Client Sample ID: SMW-6**  
**Date Collected: 03/21/24 13:00**  
**Date Received: 03/26/24 10:20**

**Lab Sample ID: 500-248055-12**  
**Matrix: Water**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	760977	W1T	EET CHI	04/02/24 16:52
Total/NA	Prep	3510C			760099	AC	EET CHI	03/27/24 07:30
Total/NA	Analysis	8270E		1	760138	H7CM	EET CHI	03/27/24 22:41
Dissolved	Prep	3005A			761286	BDE	EET CHI	04/03/24 08:46 - 04/03/24 14:46 <sup>1</sup>
Dissolved	Analysis	6020B		1	761718	RN	EET CHI	04/04/24 16:31
Dissolved	Prep	3005A			761286	BDE	EET CHI	04/03/24 08:46 - 04/03/24 14:46 <sup>1</sup>
Dissolved	Analysis	6020B		1	761800	RN	EET CHI	04/05/24 12:23
Dissolved	Prep	7470A			761784	MJG	EET CHI	04/05/24 11:15 - 04/05/24 13:15 <sup>1</sup>
Dissolved	Analysis	7470A		1	762054	MJG	EET CHI	04/08/24 09:22

**Client Sample ID: SMW-7**  
**Date Collected: 03/21/24 17:15**  
**Date Received: 03/26/24 10:20**

**Lab Sample ID: 500-248055-13**  
**Matrix: Water**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	760977	W1T	EET CHI	04/02/24 17:16
Total/NA	Analysis	8260D	DL	10	760977	W1T	EET CHI	04/02/24 17:40
Total/NA	Prep	3510C			760099	AC	EET CHI	03/27/24 07:30
Total/NA	Analysis	8270E		1	760138	H7CM	EET CHI	03/27/24 23:03
Dissolved	Prep	3005A			761286	BDE	EET CHI	04/03/24 08:46 - 04/03/24 14:46 <sup>1</sup>
Dissolved	Analysis	6020B		1	761718	RN	EET CHI	04/04/24 16:35
Dissolved	Prep	3005A			761286	BDE	EET CHI	04/03/24 08:46 - 04/03/24 14:46 <sup>1</sup>
Dissolved	Analysis	6020B		1	761800	RN	EET CHI	04/05/24 12:26
Dissolved	Prep	7470A			761784	MJG	EET CHI	04/05/24 11:15 - 04/05/24 13:15 <sup>1</sup>
Dissolved	Analysis	7470A		1	762054	MJG	EET CHI	04/08/24 09:24



# Lab Chronicle

Client: Stantec Consulting Corporation  
 Project/Site: Chilton Plating - 193709334

Job ID: 500-248055-1

## Client Sample ID: SPZ-1

Date Collected: 03/21/24 15:15

Date Received: 03/26/24 10:20

## Lab Sample ID: 500-248055-14

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	760977	W1T	EET CHI	04/02/24 18:04
Total/NA	Prep	3510C			760099	AC	EET CHI	03/27/24 07:30
Total/NA	Analysis	8270E		1	760138	H7CM	EET CHI	03/27/24 23:24
Dissolved	Prep	3005A			761286	BDE	EET CHI	04/03/24 08:46 - 04/03/24 14:46 <sup>1</sup>
Dissolved	Analysis	6020B		1	761718	RN	EET CHI	04/04/24 16:38
Dissolved	Prep	3005A			761286	BDE	EET CHI	04/03/24 08:46 - 04/03/24 14:46 <sup>1</sup>
Dissolved	Analysis	6020B		1	761800	RN	EET CHI	04/05/24 12:30
Dissolved	Prep	7470A			761784	MJG	EET CHI	04/05/24 11:15 - 04/05/24 13:15 <sup>1</sup>
Dissolved	Analysis	7470A		1	762054	MJG	EET CHI	04/08/24 09:26

## Client Sample ID: DUP-1

Date Collected: 03/21/24 15:31

Date Received: 03/26/24 10:20

## Lab Sample ID: 500-248055-15

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	760977	W1T	EET CHI	04/02/24 18:28
Total/NA	Analysis	8260D	DL	10	760977	W1T	EET CHI	04/02/24 18:53
Total/NA	Prep	3510C			760099	AC	EET CHI	03/27/24 07:30
Total/NA	Analysis	8270E		1	760138	H7CM	EET CHI	03/27/24 23:46
Dissolved	Prep	3005A			761286	BDE	EET CHI	04/03/24 08:46 - 04/03/24 14:46 <sup>1</sup>
Dissolved	Analysis	6020B		1	761718	RN	EET CHI	04/04/24 16:42
Dissolved	Prep	3005A			761286	BDE	EET CHI	04/03/24 08:46 - 04/03/24 14:46 <sup>1</sup>
Dissolved	Analysis	6020B		1	761800	RN	EET CHI	04/05/24 12:33
Dissolved	Prep	7470A			761784	MJG	EET CHI	04/05/24 11:15 - 04/05/24 13:15 <sup>1</sup>
Dissolved	Analysis	7470A		1	762054	MJG	EET CHI	04/08/24 09:33

## Client Sample ID: Trip Blank

Date Collected: 03/21/24 00:00

Date Received: 03/26/24 10:20

## Lab Sample ID: 500-248055-16

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	760977	W1T	EET CHI	04/02/24 11:59

<sup>1</sup> This procedure uses a method stipulated length of time for the process. Both start and end times are displayed.

### Laboratory References:

EET CHI = Eurofins Chicago, 2417 Bond Street, University Park, IL 60484, TEL (708)534-5200

# Accreditation/Certification Summary

Client: Stantec Consulting Corporation  
Project/Site: Chilton Plating - 193709334

Job ID: 500-248055-1

## Laboratory: Eurofins Chicago

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Wisconsin	State	999580010	08-31-24

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





JIYAN HATAMI  
STANTEC CONSULTING CORP.  
12080 CORPORATE PARKWAY  
#200  
MEQUON, WI 53092  
UNITED STATES US

ACTWGT: 25.00 LB MAN  
CAD: 0780307/CAFE3755

Part # 159469-434 MTW EXP 10/24 \*\*

TO **SAMPLE RECEIPT**  
**EUROFINS CHICAGO**  
**2417 BOND ST.**

*Cover ①*  
*OF 2*



500-248055 Waybi

**UNIVERSITY PARK IL 60484**

(708) 634-6200

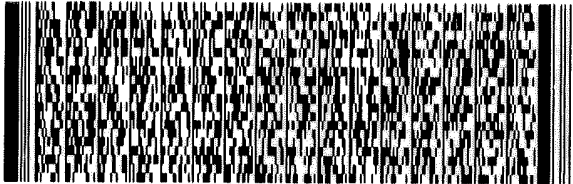
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INV:

DEPT:

PO:

RMA: ||| ||| |||



**FedEx**  
Express



in 10215962082627



730145 25MAR2024 MKEA 68162/0530/C080

ORD  
IL-US  
60484

**79 JOTA**

TRK# 7252 5234 3246

**TUE - 26 MAR AA**  
**PRIORITY OVERNIGHT**

JIYAN HATAMI  
STANTEC CONSULTING CORP.  
12080 CORPORATE PARKWAY  
#200  
MEQUON, WI 53092  
UNITED STATES US

ACTWGT: 25.00 LB MAN  
CAD: 0780307/CAFE3755

Part # 159469-434 MTW EXP 10/24 \*\*

TO **SAMPLE RECEIPT**  
**EUROFINS CHICAGO**  
**2417 BOND ST.**

*Cover ②*  
*OF 2*

**UNIVERSITY PARK IL 60484**

(708) 634-6200

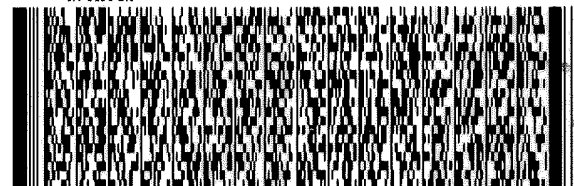
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**FedEx**  
Express



in 10215962082627



730145 25MAR2024 MKEA 68162/0530/C080

ORD  
IL-US  
60484

**79 JOTA**

TRK# 7252 5234 3257

**TUE - 26 MAR AA**  
**PRIORITY OVERNIGHT**

- 1
- 2
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- 9
- 10
- 11
- 12
- 13
- 14
- 15

# Login Sample Receipt Checklist

Client: Stantec Consulting Corporation

Job Number: 500-248055-1

**Login Number: 248055**

**List Number: 1**

**Creator: Scott, Sherri L**

**List Source: Eurofins Chicago**

Question	Answer	Comment
Radioactivity wasn't checked or is <math>\leq</math> background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	2.1,1.3
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <math><6\text{mm}</math> (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	







# ANALYTICAL REPORT

## PREPARED FOR

Attn: Jiyan Hatami  
Stantec Consulting Corporation  
12080 Corporate Parkway, Suite 200  
Mequon, Wisconsin 53092

Generated 5/31/2024 4:47:38 PM

## JOB DESCRIPTION

Chilton Plating - 193709334

## JOB NUMBER

500-250058-1

# Eurofins Chicago

## Job Notes

The test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to the NELAP requirements are noted in this report. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory. This report is confidential and is intended for the sole use of Eurofins Environment Testing North Central, LLC and its client. All questions regarding this report should be directed to the Eurofins Environment Testing North Central, LLC Project Manager who has signed this report.

Results relate only to the items tested and the sample(s) as received by the laboratory. The results, detection limits (LOD) and Quantitation Limits (LOQ) have been adjusted for sample dilutions and/or solids content.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Chicago Project Manager.

## Compliance Statement

The LOD and LOQ reported are adjusted by the dilution factor when a dilution factor greater than 1 is needed. Additionally, where results are indicated as being reported on a dry weight basis, the LOD and LOQ are adjusted for moisture content as well.

### Definitions of Limits

- LOD = Limit of Detection = MDL as defined by 40 CFR part 136 Appendix B
- LOQ = Limit of Quantitation = 3.33 x LOD as defined by Wisconsin
- RL = Report Limit = a concentration supported by a standard in the calibration curves

## Authorization



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5/31/2024 4:47:38 PM

Authorized for release by  
Sandie Fredrick, Senior Project Manager  
[Sandra.Fredrick@et.eurofinsus.com](mailto:Sandra.Fredrick@et.eurofinsus.com)  
(920)261-1660



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# Case Narrative

Client: Stantec Consulting Corporation  
Project: Chilton Plating - 193709334

Job ID: 500-250058-1

**Job ID: 500-250058-1**

**Eurofins Chicago**

## Job Narrative 500-250058-1

### Receipt

The samples were received on 05/07/24 09:50. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 2 coolers at receipt time were 3.5° C and 4.2° C.

### General Chemistry

Method 7196A: Due to the color and clarity a color blank was analyzed and used to calculate the result for the following samples. SB-1 (1-2) (500-250058-1), SB-1 (4-4.75) (500-250058-2), SB-2 (2-3) (500-250058-4), SB-2 (0.5-1) (500-250058-5), SB-3 (0-1.25) (500-250058-7), SB-3 (1.25-2.5) (500-250058-8), SB-5 (1-2) (500-250058-10), SB-6 (0-1) (500-250058-11), SB-6 (2-3) (500-250058-12), SB-7 (0-1) (500-250058-14), SB-7 (1.75-2.25) (500-250058-15), SB-8 (0.5-1.5) (500-250058-17), SB-9 (0-1) (500-250058-19) and SB-10 (1-2) (500-250058-20)

Method 7196A: Due to color and clarity a color blank was analyzed to determine the following samples results. SB-11 (1.5-2) (500-250058-22), Dup-1 (500-250058-27) and Dup-2 (500-250058-28)

Method 7196A: The soluble and insoluble hexavalent chromium(Cr+6) matrix spike/matrix spike duplicate(MS/MSD) recoveries for SB-1 (1-2) (500-250058-1) were outside control limits for Chromium, hexavalent. Sample matrix interference is suspected because the associated laboratory control sample (LCS) was within acceptance limits. An Oxidation reduction potential(ORP) test and pH were performed on the sample per the method. The results were 7.21 for pH and 207.1 for ORP. When plotted on the figure 2 phase diagram the results show the sample to act as a reducing matrix. Which confirms the low recovery seen in the sample spikes. SB-1 (1-2) (500-250058-1)

Method 7196A: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 500-768314 and analytical batch 500-769346 were outside control limits for Chromium, hexavalent. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) and the insoluble MS/MSD recoveries are within acceptance limits.

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

Eurofins Chicago

# Detection Summary

Client: Stantec Consulting Corporation  
Project/Site: Chilton Plating - 193709334

Job ID: 500-250058-1

<b>Client Sample ID: SB-1 (1-2)</b>	<b>Lab Sample ID: 500-250058-1</b>
<input type="checkbox"/> No Detections.	
<b>Client Sample ID: SB-1 (4-4.75)</b>	<b>Lab Sample ID: 500-250058-2</b>
<input type="checkbox"/> No Detections.	
<b>Client Sample ID: SB-1 (3-4)</b>	<b>Lab Sample ID: 500-250058-3</b>
<input type="checkbox"/> No Detections.	
<b>Client Sample ID: SB-2 (2-3)</b>	<b>Lab Sample ID: 500-250058-4</b>
<input type="checkbox"/> No Detections.	
<b>Client Sample ID: SB-2 (0.5-1)</b>	<b>Lab Sample ID: 500-250058-5</b>
<input type="checkbox"/> No Detections.	
<b>Client Sample ID: SB-2 (4-5)</b>	<b>Lab Sample ID: 500-250058-6</b>
<input type="checkbox"/> No Detections.	
<b>Client Sample ID: SB-3 (0-1.25)</b>	<b>Lab Sample ID: 500-250058-7</b>
<input type="checkbox"/> No Detections.	
<b>Client Sample ID: SB-3 (1.25-2.5)</b>	<b>Lab Sample ID: 500-250058-8</b>
<input type="checkbox"/> No Detections.	
<b>Client Sample ID: SB-4 (0-1)</b>	<b>Lab Sample ID: 500-250058-9</b>
<input type="checkbox"/> No Detections.	
<b>Client Sample ID: SB-5 (1-2)</b>	<b>Lab Sample ID: 500-250058-10</b>
<input type="checkbox"/> No Detections.	
<b>Client Sample ID: SB-6 (0-1)</b>	<b>Lab Sample ID: 500-250058-11</b>
<input type="checkbox"/> No Detections.	
<b>Client Sample ID: SB-6 (2-3)</b>	<b>Lab Sample ID: 500-250058-12</b>
<input type="checkbox"/> No Detections.	
<b>Client Sample ID: SB-6 (4-5)</b>	<b>Lab Sample ID: 500-250058-13</b>
<input type="checkbox"/> No Detections.	
<b>Client Sample ID: SB-7 (0-1)</b>	<b>Lab Sample ID: 500-250058-14</b>
<input type="checkbox"/> No Detections.	
<b>Client Sample ID: SB-7 (1.75-2.25)</b>	<b>Lab Sample ID: 500-250058-15</b>
<input type="checkbox"/> No Detections.	
<b>Client Sample ID: SB-7 (3.5-4.5)</b>	<b>Lab Sample ID: 500-250058-16</b>
<input type="checkbox"/> No Detections.	

This Detection Summary does not include radiochemical test results.

Eurofins Chicago

# Detection Summary

Client: Stantec Consulting Corporation  
Project/Site: Chilton Plating - 193709334

Job ID: 500-250058-1

**Client Sample ID: SB-8 (0.5-1.5)** **Lab Sample ID: 500-250058-17**

No Detections.

**Client Sample ID: SB-8 (3.75-4.5)** **Lab Sample ID: 500-250058-18**

No Detections.

**Client Sample ID: SB-9 (0-1)** **Lab Sample ID: 500-250058-19**

No Detections.

**Client Sample ID: SB-10 (1-2)** **Lab Sample ID: 500-250058-20**

No Detections.

**Client Sample ID: SB-11 (0.5-1.5)** **Lab Sample ID: 500-250058-21**

No Detections.

**Client Sample ID: SB-11 (1.5-2)** **Lab Sample ID: 500-250058-22**

No Detections.

**Client Sample ID: SB-11 (2.5-3.5)** **Lab Sample ID: 500-250058-23**

No Detections.

**Client Sample ID: SB-12 (0.5-1.5)** **Lab Sample ID: 500-250058-24**

No Detections.

**Client Sample ID: SB-12 (3.5-4.75)** **Lab Sample ID: 500-250058-25**

No Detections.

**Client Sample ID: SB-13 (0.5-1.5)** **Lab Sample ID: 500-250058-26**

No Detections.

**Client Sample ID: Dup-1** **Lab Sample ID: 500-250058-27**

No Detections.

**Client Sample ID: Dup-2** **Lab Sample ID: 500-250058-28**

No Detections.

**Client Sample ID: SB-14 (0.5-1.25)** **Lab Sample ID: 500-250058-29**

No Detections.

This Detection Summary does not include radiochemical test results.

Eurofins Chicago





# Method Summary

Client: Stantec Consulting Corporation  
Project/Site: Chilton Plating - 193709334

Job ID: 500-250058-1

Method	Method Description	Protocol	Laboratory
7196A	Chromium, Hexavalent	SW846	EET CHI
Moisture	Percent Moisture	EPA	EET CHI
3060A	Alkaline Digestion (Chromium, Hexavalent)	SW846	EET CHI

**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:**

EET CHI = Eurofins Chicago, 2417 Bond Street, University Park, IL 60484, TEL (708)534-5200



# Sample Summary

Client: Stantec Consulting Corporation  
Project/Site: Chilton Plating - 193709334

Job ID: 500-250058-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
500-250058-1	SB-1 (1-2)	Solid	05/06/24 10:28	05/07/24 09:50
500-250058-2	SB-1 (4-4.75)	Solid	05/06/24 10:32	05/07/24 09:50
500-250058-3	SB-1 (3-4)	Solid	05/06/24 10:30	05/07/24 09:50
500-250058-4	SB-2 (2-3)	Solid	05/06/24 10:24	05/07/24 09:50
500-250058-5	SB-2 (0.5-1)	Solid	05/06/24 10:22	05/07/24 09:50
500-250058-6	SB-2 (4-5)	Solid	05/06/24 10:26	05/07/24 09:50
500-250058-7	SB-3 (0-1.25)	Solid	05/06/24 13:52	05/07/24 09:50
500-250058-8	SB-3 (1.25-2.5)	Solid	05/06/24 13:54	05/07/24 09:50
500-250058-9	SB-4 (0-1)	Solid	05/06/24 14:02	05/07/24 09:50
500-250058-10	SB-5 (1-2)	Solid	05/06/24 13:58	05/07/24 09:50
500-250058-11	SB-6 (0-1)	Solid	05/06/24 10:41	05/07/24 09:50
500-250058-12	SB-6 (2-3)	Solid	05/06/24 10:43	05/07/24 09:50
500-250058-13	SB-6 (4-5)	Solid	05/06/24 10:45	05/07/24 09:50
500-250058-14	SB-7 (0-1)	Solid	05/06/24 11:50	05/07/24 09:50
500-250058-15	SB-7 (1.75-2.25)	Solid	05/06/24 11:52	05/07/24 09:50
500-250058-16	SB-7 (3.5-4.5)	Solid	05/06/24 11:54	05/07/24 09:50
500-250058-17	SB-8 (0.5-1.5)	Solid	05/06/24 11:45	05/07/24 09:50
500-250058-18	SB-8 (3.75-4.5)	Solid	05/06/24 11:47	05/07/24 09:50
500-250058-19	SB-9 (0-1)	Solid	05/06/24 13:57	05/07/24 09:50
500-250058-20	SB-10 (1-2)	Solid	05/06/24 14:00	05/07/24 09:50
500-250058-21	SB-11 (0.5-1.5)	Solid	05/06/24 10:37	05/07/24 09:50
500-250058-22	SB-11 (1.5-2)	Solid	05/06/24 10:35	05/07/24 09:50
500-250058-23	SB-11 (2.5-3.5)	Solid	05/06/24 10:39	05/07/24 09:50
500-250058-24	SB-12 (0.5-1.5)	Solid	05/06/24 11:40	05/07/24 09:50
500-250058-25	SB-12 (3.5-4.75)	Solid	05/06/24 11:42	05/07/24 09:50
500-250058-26	SB-13 (0.5-1.5)	Solid	05/06/24 12:02	05/07/24 09:50
500-250058-27	Dup-1	Solid	05/06/24 13:53	05/07/24 09:50
500-250058-28	Dup-2	Solid	05/06/24 14:01	05/07/24 09:50
500-250058-29	SB-14 (0.5-1.25)	Solid	05/06/24 13:56	05/07/24 09:50

# Client Sample Results

Client: Stantec Consulting Corporation  
Project/Site: Chilton Plating - 193709334

Job ID: 500-250058-1

**Client Sample ID: SB-1 (1-2)**

**Lab Sample ID: 500-250058-1**

**Date Collected: 05/06/24 10:28**

**Matrix: Solid**

**Date Received: 05/07/24 09:50**

**Percent Solids: 83.5**

## General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium, hexavalent (SW846 7196A)	<0.45	F1	1.2	0.45	mg/Kg	☼	05/16/24 17:00	05/23/24 12:05	1

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

# Client Sample Results

Client: Stantec Consulting Corporation  
Project/Site: Chilton Plating - 193709334

Job ID: 500-250058-1

**Client Sample ID: SB-1 (4-4.75)**

**Lab Sample ID: 500-250058-2**

**Date Collected: 05/06/24 10:32**

**Matrix: Solid**

**Date Received: 05/07/24 09:50**

**Percent Solids: 87.7**

## General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium, hexavalent (SW846 7196A)	<0.40		1.0	0.40	mg/Kg	☼	05/16/24 17:00	05/23/24 12:08	1

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

# Client Sample Results

Client: Stantec Consulting Corporation  
Project/Site: Chilton Plating - 193709334

Job ID: 500-250058-1

**Client Sample ID: SB-1 (3-4)**

**Lab Sample ID: 500-250058-3**

**Date Collected: 05/06/24 10:30**

**Matrix: Solid**

**Date Received: 05/07/24 09:50**

**Percent Solids: 92.6**

## General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium, hexavalent (SW846 7196A)	<0.38		0.97	0.38	mg/Kg	✱	05/16/24 17:00	05/23/24 12:09	1

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

# Client Sample Results

Client: Stantec Consulting Corporation  
Project/Site: Chilton Plating - 193709334

Job ID: 500-250058-1

**Client Sample ID: SB-2 (2-3)**

**Lab Sample ID: 500-250058-4**

**Date Collected: 05/06/24 10:24**

**Matrix: Solid**

**Date Received: 05/07/24 09:50**

**Percent Solids: 82.4**

## General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium, hexavalent (SW846 7196A)	<0.46		1.2	0.46	mg/Kg	☼	05/16/24 17:00	05/23/24 12:10	1

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



# Client Sample Results

Client: Stantec Consulting Corporation  
Project/Site: Chilton Plating - 193709334

Job ID: 500-250058-1

**Client Sample ID: SB-2 (0.5-1)**

**Lab Sample ID: 500-250058-5**

**Date Collected: 05/06/24 10:22**

**Matrix: Solid**

**Date Received: 05/07/24 09:50**

**Percent Solids: 86.6**

## General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium, hexavalent (SW846 7196A)	<0.39		1.0	0.39	mg/Kg	☼	05/16/24 17:00	05/23/24 12:10	1

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

# Client Sample Results

Client: Stantec Consulting Corporation  
Project/Site: Chilton Plating - 193709334

Job ID: 500-250058-1

**Client Sample ID: SB-2 (4-5)**

**Lab Sample ID: 500-250058-6**

**Date Collected: 05/06/24 10:26**

**Matrix: Solid**

**Date Received: 05/07/24 09:50**

**Percent Solids: 94.9**

## General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium, hexavalent (SW846 7196A)	<0.37		0.96	0.37	mg/Kg	☼	05/16/24 17:00	05/23/24 12:11	1

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

# Client Sample Results

Client: Stantec Consulting Corporation  
Project/Site: Chilton Plating - 193709334

Job ID: 500-250058-1

**Client Sample ID: SB-3 (0-1.25)**

**Lab Sample ID: 500-250058-7**

**Date Collected: 05/06/24 13:52**

**Matrix: Solid**

**Date Received: 05/07/24 09:50**

**Percent Solids: 87.7**

## General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium, hexavalent (SW846 7196A)	<0.37		0.95	0.37	mg/Kg	☼	05/16/24 17:00	05/23/24 12:11	1

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

# Client Sample Results

Client: Stantec Consulting Corporation  
Project/Site: Chilton Plating - 193709334

Job ID: 500-250058-1

**Client Sample ID: SB-3 (1.25-2.5)**

**Lab Sample ID: 500-250058-8**

**Date Collected: 05/06/24 13:54**

**Matrix: Solid**

**Date Received: 05/07/24 09:50**

**Percent Solids: 88.7**

## General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium, hexavalent (SW846 7196A)	<0.40		1.0	0.40	mg/Kg	☼	05/16/24 17:00	05/23/24 12:12	1

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

# Client Sample Results

Client: Stantec Consulting Corporation  
Project/Site: Chilton Plating - 193709334

Job ID: 500-250058-1

**Client Sample ID: SB-4 (0-1)**

**Lab Sample ID: 500-250058-9**

**Date Collected: 05/06/24 14:02**

**Matrix: Solid**

**Date Received: 05/07/24 09:50**

**Percent Solids: 86.9**

## General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium, hexavalent (SW846 7196A)	<0.40		1.0	0.40	mg/Kg	☼	05/16/24 17:00	05/23/24 12:12	1

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

# Client Sample Results

Client: Stantec Consulting Corporation  
Project/Site: Chilton Plating - 193709334

Job ID: 500-250058-1

**Client Sample ID: SB-5 (1-2)**

**Lab Sample ID: 500-250058-10**

**Date Collected: 05/06/24 13:58**

**Matrix: Solid**

**Date Received: 05/07/24 09:50**

**Percent Solids: 83.9**

## General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium, hexavalent (SW846 7196A)	<0.46		1.2	0.46	mg/Kg	☼	05/16/24 17:00	05/23/24 12:13	1

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



# Client Sample Results

Client: Stantec Consulting Corporation  
Project/Site: Chilton Plating - 193709334

Job ID: 500-250058-1

**Client Sample ID: SB-6 (0-1)**

**Lab Sample ID: 500-250058-11**

**Date Collected: 05/06/24 10:41**

**Matrix: Solid**

**Date Received: 05/07/24 09:50**

**Percent Solids: 90.7**

## General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium, hexavalent (SW846 7196A)	<0.41		1.1	0.41	mg/Kg	☼	05/16/24 17:00	05/23/24 12:13	1

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

# Client Sample Results

Client: Stantec Consulting Corporation  
Project/Site: Chilton Plating - 193709334

Job ID: 500-250058-1

**Client Sample ID: SB-6 (2-3)**

**Lab Sample ID: 500-250058-12**

**Date Collected: 05/06/24 10:43**

**Matrix: Solid**

**Date Received: 05/07/24 09:50**

**Percent Solids: 82.9**

## General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium, hexavalent (SW846 7196A)	<0.45		1.2	0.45	mg/Kg	☼	05/16/24 17:00	05/23/24 12:13	1

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

# Client Sample Results

Client: Stantec Consulting Corporation  
Project/Site: Chilton Plating - 193709334

Job ID: 500-250058-1

**Client Sample ID: SB-6 (4-5)**

**Lab Sample ID: 500-250058-13**

**Date Collected: 05/06/24 10:45**

**Matrix: Solid**

**Date Received: 05/07/24 09:50**

**Percent Solids: 89.9**

## General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium, hexavalent (SW846 7196A)	<0.34		0.88	0.34	mg/Kg	☼	05/16/24 17:00	05/23/24 12:14	1

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

# Client Sample Results

Client: Stantec Consulting Corporation  
Project/Site: Chilton Plating - 193709334

Job ID: 500-250058-1

**Client Sample ID: SB-7 (0-1)**

**Lab Sample ID: 500-250058-14**

**Date Collected: 05/06/24 11:50**

**Matrix: Solid**

**Date Received: 05/07/24 09:50**

**Percent Solids: 73.0**

## General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium, hexavalent (SW846 7196A)	<0.43		1.1	0.43	mg/Kg	☼	05/16/24 17:00	05/23/24 12:15	1

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

# Client Sample Results

Client: Stantec Consulting Corporation  
Project/Site: Chilton Plating - 193709334

Job ID: 500-250058-1

**Client Sample ID: SB-7 (1.75-2.25)**

**Lab Sample ID: 500-250058-15**

**Date Collected: 05/06/24 11:52**

**Matrix: Solid**

**Date Received: 05/07/24 09:50**

**Percent Solids: 78.7**

## General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium, hexavalent (SW846 7196A)	<0.43		1.1	0.43	mg/Kg	☼	05/16/24 17:00	05/23/24 12:16	1

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

# Client Sample Results

Client: Stantec Consulting Corporation  
Project/Site: Chilton Plating - 193709334

Job ID: 500-250058-1

**Client Sample ID: SB-7 (3.5-4.5)**

**Lab Sample ID: 500-250058-16**

**Date Collected: 05/06/24 11:54**

**Matrix: Solid**

**Date Received: 05/07/24 09:50**

**Percent Solids: 92.5**

## General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium, hexavalent (SW846 7196A)	<0.38		0.97	0.38	mg/Kg	☼	05/16/24 17:00	05/23/24 12:16	1

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



# Client Sample Results

Client: Stantec Consulting Corporation  
Project/Site: Chilton Plating - 193709334

Job ID: 500-250058-1

**Client Sample ID: SB-8 (0.5-1.5)**

**Lab Sample ID: 500-250058-17**

**Date Collected: 05/06/24 11:45**

**Matrix: Solid**

**Date Received: 05/07/24 09:50**

**Percent Solids: 85.3**

## General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium, hexavalent (SW846 7196A)	<0.41		1.1	0.41	mg/Kg	☼	05/16/24 17:00	05/23/24 12:16	1

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

# Client Sample Results

Client: Stantec Consulting Corporation  
Project/Site: Chilton Plating - 193709334

Job ID: 500-250058-1

**Client Sample ID: SB-8 (3.75-4.5)**

**Lab Sample ID: 500-250058-18**

**Date Collected: 05/06/24 11:47**

**Matrix: Solid**

**Date Received: 05/07/24 09:50**

**Percent Solids: 93.8**

## General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium, hexavalent (SW846 7196A)	<0.37		0.96	0.37	mg/Kg	☼	05/16/24 17:00	05/23/24 12:17	1

# Client Sample Results

Client: Stantec Consulting Corporation  
Project/Site: Chilton Plating - 193709334

Job ID: 500-250058-1

**Client Sample ID: SB-9 (0-1)**

**Lab Sample ID: 500-250058-19**

**Date Collected: 05/06/24 13:57**

**Matrix: Solid**

**Date Received: 05/07/24 09:50**

**Percent Solids: 82.9**

## General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium, hexavalent (SW846 7196A)	<0.35		0.90	0.35	mg/Kg	☼	05/16/24 17:00	05/23/24 12:17	1

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

# Client Sample Results

Client: Stantec Consulting Corporation  
Project/Site: Chilton Plating - 193709334

Job ID: 500-250058-1

**Client Sample ID: SB-10 (1-2)**

**Lab Sample ID: 500-250058-20**

**Date Collected: 05/06/24 14:00**

**Matrix: Solid**

**Date Received: 05/07/24 09:50**

**Percent Solids: 87.8**

## General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium, hexavalent (SW846 7196A)	<0.38		0.98	0.38	mg/Kg	☼	05/16/24 17:00	05/23/24 12:18	1

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

# Client Sample Results

Client: Stantec Consulting Corporation  
Project/Site: Chilton Plating - 193709334

Job ID: 500-250058-1

**Client Sample ID: SB-11 (0.5-1.5)**

**Lab Sample ID: 500-250058-21**

**Date Collected: 05/06/24 10:37**

**Matrix: Solid**

**Date Received: 05/07/24 09:50**

**Percent Solids: 92.2**

## General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium, hexavalent (SW846 7196A)	<0.74	F1	1.9	0.74	mg/Kg	☼	05/16/24 17:00	05/23/24 12:38	1

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

# Client Sample Results

Client: Stantec Consulting Corporation  
Project/Site: Chilton Plating - 193709334

Job ID: 500-250058-1

**Client Sample ID: SB-11 (1.5-2)**

**Lab Sample ID: 500-250058-22**

**Date Collected: 05/06/24 10:35**

**Matrix: Solid**

**Date Received: 05/07/24 09:50**

**Percent Solids: 83.0**

## General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium, hexavalent (SW846 7196A)	<0.92		2.4	0.92	mg/Kg	☼	05/16/24 17:00	05/23/24 12:40	1

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



# Client Sample Results

Client: Stantec Consulting Corporation  
Project/Site: Chilton Plating - 193709334

Job ID: 500-250058-1

**Client Sample ID: SB-11 (2.5-3.5)**

**Lab Sample ID: 500-250058-23**

**Date Collected: 05/06/24 10:39**

**Matrix: Solid**

**Date Received: 05/07/24 09:50**

**Percent Solids: 93.2**

## General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium, hexavalent (SW846 7196A)	<0.65		1.7	0.65	mg/Kg	☼	05/16/24 17:00	05/23/24 12:41	1

- 1
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- 13
- 14

# Client Sample Results

Client: Stantec Consulting Corporation  
Project/Site: Chilton Plating - 193709334

Job ID: 500-250058-1

**Client Sample ID: SB-12 (0.5-1.5)**

**Lab Sample ID: 500-250058-24**

**Date Collected: 05/06/24 11:40**

**Matrix: Solid**

**Date Received: 05/07/24 09:50**

**Percent Solids: 91.6**

## General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium, hexavalent (SW846 7196A)	<0.83		2.1	0.83	mg/Kg	☼	05/16/24 17:00	05/23/24 12:43	1

# Client Sample Results

Client: Stantec Consulting Corporation  
Project/Site: Chilton Plating - 193709334

Job ID: 500-250058-1

**Client Sample ID: SB-12 (3.5-4.75)**

**Lab Sample ID: 500-250058-25**

**Date Collected: 05/06/24 11:42**

**Matrix: Solid**

**Date Received: 05/07/24 09:50**

**Percent Solids: 86.2**

## General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium, hexavalent (SW846 7196A)	<0.76		2.0	0.76	mg/Kg	☼	05/16/24 17:00	05/23/24 12:44	1

- 1
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- 10
- 11
- 12
- 13
- 14

# Client Sample Results

Client: Stantec Consulting Corporation  
Project/Site: Chilton Plating - 193709334

Job ID: 500-250058-1

**Client Sample ID: SB-13 (0.5-1.5)**

**Lab Sample ID: 500-250058-26**

**Date Collected: 05/06/24 12:02**

**Matrix: Solid**

**Date Received: 05/07/24 09:50**

**Percent Solids: 90.3**

## General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium, hexavalent (SW846 7196A)	<0.77		2.0	0.77	mg/Kg	☼	05/16/24 17:00	05/23/24 12:44	1

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- 10
- 11
- 12
- 13
- 14

# Client Sample Results

Client: Stantec Consulting Corporation  
Project/Site: Chilton Plating - 193709334

Job ID: 500-250058-1

**Client Sample ID: Dup-1**

**Lab Sample ID: 500-250058-27**

**Date Collected: 05/06/24 13:53**

**Matrix: Solid**

**Date Received: 05/07/24 09:50**

**Percent Solids: 88.4**

## General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium, hexavalent (SW846 7196A)	<0.87		2.2	0.87	mg/Kg	☼	05/16/24 17:00	05/23/24 12:45	1

- 1
- 2
- 3
- 4
- 5
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- 10
- 11
- 12
- 13
- 14

# Client Sample Results

Client: Stantec Consulting Corporation  
Project/Site: Chilton Plating - 193709334

Job ID: 500-250058-1

**Client Sample ID: Dup-2**  
**Date Collected: 05/06/24 14:01**  
**Date Received: 05/07/24 09:50**

**Lab Sample ID: 500-250058-28**  
**Matrix: Solid**  
**Percent Solids: 87.8**

## General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium, hexavalent (SW846 7196A)	<0.68		1.7	0.68	mg/Kg	☼	05/16/24 17:00	05/23/24 12:45	1

- 1
- 2
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- 13
- 14



# Client Sample Results

Client: Stantec Consulting Corporation  
Project/Site: Chilton Plating - 193709334

Job ID: 500-250058-1

**Client Sample ID: SB-14 (0.5-1.25)**

**Lab Sample ID: 500-250058-29**

**Date Collected: 05/06/24 13:56**

**Matrix: Solid**

**Date Received: 05/07/24 09:50**

**Percent Solids: 92.4**

## General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium, hexavalent (SW846 7196A)	<0.73		1.9	0.73	mg/Kg	☼	05/16/24 17:00	05/23/24 12:45	1

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# Definitions/Glossary

Client: Stantec Consulting Corporation  
Project/Site: Chilton Plating - 193709334

Job ID: 500-250058-1

## Qualifiers

### 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.

## Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
α	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
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

# QC Association Summary

Client: Stantec Consulting Corporation  
 Project/Site: Chilton Plating - 193709334

Job ID: 500-250058-1

## General Chemistry

### Analysis Batch: 767504

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-250058-1	SB-1 (1-2)	Total/NA	Solid	Moisture	

### Analysis Batch: 767505

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-250058-2	SB-1 (4-4.75)	Total/NA	Solid	Moisture	
500-250058-3	SB-1 (3-4)	Total/NA	Solid	Moisture	
500-250058-4	SB-2 (2-3)	Total/NA	Solid	Moisture	
500-250058-5	SB-2 (0.5-1)	Total/NA	Solid	Moisture	
500-250058-6	SB-2 (4-5)	Total/NA	Solid	Moisture	
500-250058-7	SB-3 (0-1.25)	Total/NA	Solid	Moisture	
500-250058-8	SB-3 (1.25-2.5)	Total/NA	Solid	Moisture	
500-250058-9	SB-4 (0-1)	Total/NA	Solid	Moisture	
500-250058-10	SB-5 (1-2)	Total/NA	Solid	Moisture	
500-250058-11	SB-6 (0-1)	Total/NA	Solid	Moisture	
500-250058-12	SB-6 (2-3)	Total/NA	Solid	Moisture	
500-250058-13	SB-6 (4-5)	Total/NA	Solid	Moisture	
500-250058-14	SB-7 (0-1)	Total/NA	Solid	Moisture	
500-250058-16	SB-7 (3.5-4.5)	Total/NA	Solid	Moisture	
500-250058-17	SB-8 (0.5-1.5)	Total/NA	Solid	Moisture	
500-250058-18	SB-8 (3.75-4.5)	Total/NA	Solid	Moisture	
500-250058-19	SB-9 (0-1)	Total/NA	Solid	Moisture	
500-250058-20	SB-10 (1-2)	Total/NA	Solid	Moisture	
500-250058-21	SB-11 (0.5-1.5)	Total/NA	Solid	Moisture	
500-250058-2 DU	SB-1 (4-4.75)	Total/NA	Solid	Moisture	

### Analysis Batch: 767506

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-250058-22	SB-11 (1.5-2)	Total/NA	Solid	Moisture	
500-250058-23	SB-11 (2.5-3.5)	Total/NA	Solid	Moisture	
500-250058-24	SB-12 (0.5-1.5)	Total/NA	Solid	Moisture	
500-250058-25	SB-12 (3.5-4.75)	Total/NA	Solid	Moisture	
500-250058-26	SB-13 (0.5-1.5)	Total/NA	Solid	Moisture	
500-250058-27	Dup-1	Total/NA	Solid	Moisture	
500-250058-28	Dup-2	Total/NA	Solid	Moisture	
500-250058-29	SB-14 (0.5-1.25)	Total/NA	Solid	Moisture	
500-250058-22 DU	SB-11 (1.5-2)	Total/NA	Solid	Moisture	

### Analysis Batch: 767639

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-250058-15	SB-7 (1.75-2.25)	Total/NA	Solid	Moisture	

### Prep Batch: 768307

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-250058-1	SB-1 (1-2)	Total/NA	Solid	3060A	
500-250058-2	SB-1 (4-4.75)	Total/NA	Solid	3060A	
500-250058-3	SB-1 (3-4)	Total/NA	Solid	3060A	
500-250058-4	SB-2 (2-3)	Total/NA	Solid	3060A	
500-250058-5	SB-2 (0.5-1)	Total/NA	Solid	3060A	
500-250058-6	SB-2 (4-5)	Total/NA	Solid	3060A	
500-250058-7	SB-3 (0-1.25)	Total/NA	Solid	3060A	
500-250058-8	SB-3 (1.25-2.5)	Total/NA	Solid	3060A	

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# QC Association Summary

Client: Stantec Consulting Corporation  
 Project/Site: Chilton Plating - 193709334

Job ID: 500-250058-1

## General Chemistry (Continued)

### Prep Batch: 768307 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-250058-9	SB-4 (0-1)	Total/NA	Solid	3060A	
500-250058-10	SB-5 (1-2)	Total/NA	Solid	3060A	
500-250058-11	SB-6 (0-1)	Total/NA	Solid	3060A	
500-250058-12	SB-6 (2-3)	Total/NA	Solid	3060A	
500-250058-13	SB-6 (4-5)	Total/NA	Solid	3060A	
500-250058-14	SB-7 (0-1)	Total/NA	Solid	3060A	
500-250058-15	SB-7 (1.75-2.25)	Total/NA	Solid	3060A	
500-250058-16	SB-7 (3.5-4.5)	Total/NA	Solid	3060A	
500-250058-17	SB-8 (0.5-1.5)	Total/NA	Solid	3060A	
500-250058-18	SB-8 (3.75-4.5)	Total/NA	Solid	3060A	
500-250058-19	SB-9 (0-1)	Total/NA	Solid	3060A	
500-250058-20	SB-10 (1-2)	Total/NA	Solid	3060A	
500-250058-1 MS	SB-1 (1-2)	Total/NA	Solid	3060A	
500-250058-1 MS	SB-1 (1-2)	Total/NA	Solid	3060A	
500-250058-1 MSD	SB-1 (1-2)	Total/NA	Solid	3060A	
500-250058-1 MSD	SB-1 (1-2)	Total/NA	Solid	3060A	

### Prep Batch: 768314

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-250058-21	SB-11 (0.5-1.5)	Total/NA	Solid	3060A	
500-250058-22	SB-11 (1.5-2)	Total/NA	Solid	3060A	
500-250058-23	SB-11 (2.5-3.5)	Total/NA	Solid	3060A	
500-250058-24	SB-12 (0.5-1.5)	Total/NA	Solid	3060A	
500-250058-25	SB-12 (3.5-4.75)	Total/NA	Solid	3060A	
500-250058-26	SB-13 (0.5-1.5)	Total/NA	Solid	3060A	
500-250058-27	Dup-1	Total/NA	Solid	3060A	
500-250058-28	Dup-2	Total/NA	Solid	3060A	
500-250058-29	SB-14 (0.5-1.25)	Total/NA	Solid	3060A	
MB 500-768314/1-A	Method Blank	Total/NA	Solid	3060A	
LCS 500-768314/2-A	Lab Control Sample	Total/NA	Solid	3060A	
LCS 500-768314/3-A	Lab Control Sample	Total/NA	Solid	3060A	
500-250058-21 MS	SB-11 (0.5-1.5)	Total/NA	Solid	3060A	
500-250058-21 MS	SB-11 (0.5-1.5)	Total/NA	Solid	3060A	
500-250058-21 MSD	SB-11 (0.5-1.5)	Total/NA	Solid	3060A	
500-250058-21 MSD	SB-11 (0.5-1.5)	Total/NA	Solid	3060A	

### Analysis Batch: 769346

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-250058-21	SB-11 (0.5-1.5)	Total/NA	Solid	7196A	768314
500-250058-23	SB-11 (2.5-3.5)	Total/NA	Solid	7196A	768314
500-250058-24	SB-12 (0.5-1.5)	Total/NA	Solid	7196A	768314
500-250058-25	SB-12 (3.5-4.75)	Total/NA	Solid	7196A	768314
500-250058-26	SB-13 (0.5-1.5)	Total/NA	Solid	7196A	768314
500-250058-29	SB-14 (0.5-1.25)	Total/NA	Solid	7196A	768314
MB 500-768314/1-A	Method Blank	Total/NA	Solid	7196A	768314
LCS 500-768314/2-A	Lab Control Sample	Total/NA	Solid	7196A	768314
LCS 500-768314/3-A	Lab Control Sample	Total/NA	Solid	7196A	768314
500-250058-21 MS	SB-11 (0.5-1.5)	Total/NA	Solid	7196A	768314
500-250058-21 MS	SB-11 (0.5-1.5)	Total/NA	Solid	7196A	768314
500-250058-21 MSD	SB-11 (0.5-1.5)	Total/NA	Solid	7196A	768314
500-250058-21 MSD	SB-11 (0.5-1.5)	Total/NA	Solid	7196A	768314

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# QC Association Summary

Client: Stantec Consulting Corporation  
 Project/Site: Chilton Plating - 193709334

Job ID: 500-250058-1

## General Chemistry

### Analysis Batch: 770260

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-250058-1	SB-1 (1-2)	Total/NA	Solid	7196A	768307
500-250058-2	SB-1 (4-4.75)	Total/NA	Solid	7196A	768307
500-250058-3	SB-1 (3-4)	Total/NA	Solid	7196A	768307
500-250058-4	SB-2 (2-3)	Total/NA	Solid	7196A	768307
500-250058-5	SB-2 (0.5-1)	Total/NA	Solid	7196A	768307
500-250058-6	SB-2 (4-5)	Total/NA	Solid	7196A	768307
500-250058-7	SB-3 (0-1.25)	Total/NA	Solid	7196A	768307
500-250058-8	SB-3 (1.25-2.5)	Total/NA	Solid	7196A	768307
500-250058-9	SB-4 (0-1)	Total/NA	Solid	7196A	768307
500-250058-10	SB-5 (1-2)	Total/NA	Solid	7196A	768307
500-250058-11	SB-6 (0-1)	Total/NA	Solid	7196A	768307
500-250058-12	SB-6 (2-3)	Total/NA	Solid	7196A	768307
500-250058-13	SB-6 (4-5)	Total/NA	Solid	7196A	768307
500-250058-14	SB-7 (0-1)	Total/NA	Solid	7196A	768307
500-250058-15	SB-7 (1.75-2.25)	Total/NA	Solid	7196A	768307
500-250058-16	SB-7 (3.5-4.5)	Total/NA	Solid	7196A	768307
500-250058-17	SB-8 (0.5-1.5)	Total/NA	Solid	7196A	768307
500-250058-18	SB-8 (3.75-4.5)	Total/NA	Solid	7196A	768307
500-250058-19	SB-9 (0-1)	Total/NA	Solid	7196A	768307
500-250058-20	SB-10 (1-2)	Total/NA	Solid	7196A	768307
MB 500-768314/1-A	Method Blank	Total/NA	Solid	7196A	768314
LCS 500-768314/2-A	Lab Control Sample	Total/NA	Solid	7196A	768314
LCS 500-768314/3-A	Lab Control Sample	Total/NA	Solid	7196A	768314
500-250058-1 MS	SB-1 (1-2)	Total/NA	Solid	7196A	768307
500-250058-1 MS	SB-1 (1-2)	Total/NA	Solid	7196A	768307
500-250058-1 MSD	SB-1 (1-2)	Total/NA	Solid	7196A	768307
500-250058-1 MSD	SB-1 (1-2)	Total/NA	Solid	7196A	768307

### Analysis Batch: 770262

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-250058-22	SB-11 (1.5-2)	Total/NA	Solid	7196A	768314
500-250058-27	Dup-1	Total/NA	Solid	7196A	768314
500-250058-28	Dup-2	Total/NA	Solid	7196A	768314

# QC Sample Results

Client: Stantec Consulting Corporation  
 Project/Site: Chilton Plating - 193709334

Job ID: 500-250058-1

## Method: 7196A - Chromium, Hexavalent

**Lab Sample ID: 500-250058-1 MS**  
**Matrix: Solid**  
**Analysis Batch: 770260**

**Client Sample ID: SB-1 (1-2)**  
**Prep Type: Total/NA**  
**Prep Batch: 768307**

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec	Limits
	Result	Qualifier	Added	Result	Qualifier					
Chromium, hexavalent	<0.45	F1	23.2	1.06	J F1	mg/Kg	⊛	5		75 - 125
Chromium, hexavalent	<0.45	F1	1730	800	F1	mg/Kg	⊛	46		75 - 125

**Lab Sample ID: 500-250058-1 MSD**  
**Matrix: Solid**  
**Analysis Batch: 770260**

**Client Sample ID: SB-1 (1-2)**  
**Prep Type: Total/NA**  
**Prep Batch: 768307**

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec	Limits	RPD	Limit
	Result	Qualifier	Added	Result	Qualifier							
Chromium, hexavalent	<0.45	F1	23.5	<0.91	F1	mg/Kg	⊛	0		75 - 125	NC	30

**Lab Sample ID: 500-250058-1 MSD**  
**Matrix: Solid**  
**Analysis Batch: 770260**

**Client Sample ID: SB-1 (1-2)**  
**Prep Type: Total/NA**  
**Prep Batch: 768307**

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec	Limits	RPD	Limit
	Result	Qualifier	Added	Result	Qualifier							
Chromium, hexavalent	<0.45	F1	1910	646	F1	mg/Kg	⊛	34		75 - 125	21	30

**Lab Sample ID: MB 500-768314/1-A**  
**Matrix: Solid**  
**Analysis Batch: 770260**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 768314**

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Chromium, hexavalent	<0.78		2.0	0.78	mg/Kg		05/16/24 17:00	05/23/24 12:04	1

**Lab Sample ID: MB 500-768314/1-A**  
**Matrix: Solid**  
**Analysis Batch: 769346**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 768314**

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Chromium, hexavalent	<0.78		2.0	0.78	mg/Kg		05/16/24 17:00	05/23/24 12:37	1

**Lab Sample ID: LCS 500-768314/2-A**  
**Matrix: Solid**  
**Analysis Batch: 770260**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 768314**

Analyte	Spike	LCS	LCS	Unit	D	%Rec	%Rec	Limits
Chromium, hexavalent	20.0	17.8		mg/Kg		89		80 - 120

**Lab Sample ID: LCS 500-768314/2-A**  
**Matrix: Solid**  
**Analysis Batch: 769346**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 768314**

Analyte	Spike	LCS	LCS	Unit	D	%Rec	%Rec	Limits
Chromium, hexavalent	20.0	18.6		mg/Kg		93		80 - 120

# QC Sample Results

Client: Stantec Consulting Corporation  
 Project/Site: Chilton Plating - 193709334

Job ID: 500-250058-1

## Method: 7196A - Chromium, Hexavalent (Continued)

**Lab Sample ID: LCS 500-768314/3-A**  
**Matrix: Solid**  
**Analysis Batch: 770260**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 768314**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chromium, hexavalent	1260	1420		mg/Kg		113	80 - 120

**Lab Sample ID: LCS 500-768314/3-A**  
**Matrix: Solid**  
**Analysis Batch: 769346**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 768314**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chromium, hexavalent	1260	1450		mg/Kg		115	80 - 120

**Lab Sample ID: 500-250058-21 MS**  
**Matrix: Solid**  
**Analysis Batch: 769346**

**Client Sample ID: SB-11 (0.5-1.5)**  
**Prep Type: Total/NA**  
**Prep Batch: 768314**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chromium, hexavalent	<0.74	F1	39.2	59.1	F1	mg/Kg	☼	151	75 - 125
Chromium, hexavalent	<0.74	F1	1300	1240		mg/Kg	☼	95	75 - 125

**Lab Sample ID: 500-250058-21 MSD**  
**Matrix: Solid**  
**Analysis Batch: 769346**

**Client Sample ID: SB-11 (0.5-1.5)**  
**Prep Type: Total/NA**  
**Prep Batch: 768314**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chromium, hexavalent	<0.74	F1	36.4	55.6	F1	mg/Kg	☼	153	75 - 125	6	30

**Lab Sample ID: 500-250058-21 MSD**  
**Matrix: Solid**  
**Analysis Batch: 769346**

**Client Sample ID: SB-11 (0.5-1.5)**  
**Prep Type: Total/NA**  
**Prep Batch: 768314**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chromium, hexavalent	<0.74	F1	1630	1470		mg/Kg	☼	90	75 - 125	17	30



# Lab Chronicle

Client: Stantec Consulting Corporation  
Project/Site: Chilton Plating - 193709334

Job ID: 500-250058-1

## Client Sample ID: SB-1 (1-2)

Date Collected: 05/06/24 10:28

Date Received: 05/07/24 09:50

## Lab Sample ID: 500-250058-1

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	767504	MR	EET CHI	05/11/24 13:50

## Client Sample ID: SB-1 (1-2)

Date Collected: 05/06/24 10:28

Date Received: 05/07/24 09:50

## Lab Sample ID: 500-250058-1

Matrix: Solid

Percent Solids: 83.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3060A			768307	PFK	EET CHI	05/16/24 17:00 - 05/16/24 18:30 <sup>1</sup>
Total/NA	Analysis	7196A		1	770260	PFK	EET CHI	05/23/24 12:05 - 05/23/24 12:05 <sup>1</sup>

## Client Sample ID: SB-1 (4-4.75)

Date Collected: 05/06/24 10:32

Date Received: 05/07/24 09:50

## Lab Sample ID: 500-250058-2

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	767505	MR	EET CHI	05/11/24 14:21

## Client Sample ID: SB-1 (4-4.75)

Date Collected: 05/06/24 10:32

Date Received: 05/07/24 09:50

## Lab Sample ID: 500-250058-2

Matrix: Solid

Percent Solids: 87.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3060A			768307	PFK	EET CHI	05/16/24 17:00 - 05/16/24 18:30 <sup>1</sup>
Total/NA	Analysis	7196A		1	770260	PFK	EET CHI	05/23/24 12:08 - 05/23/24 12:08 <sup>1</sup>

## Client Sample ID: SB-1 (3-4)

Date Collected: 05/06/24 10:30

Date Received: 05/07/24 09:50

## Lab Sample ID: 500-250058-3

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	767505	MR	EET CHI	05/11/24 14:21

## Client Sample ID: SB-1 (3-4)

Date Collected: 05/06/24 10:30

Date Received: 05/07/24 09:50

## Lab Sample ID: 500-250058-3

Matrix: Solid

Percent Solids: 92.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3060A			768307	PFK	EET CHI	05/16/24 17:00 - 05/16/24 18:30 <sup>1</sup>
Total/NA	Analysis	7196A		1	770260	PFK	EET CHI	05/23/24 12:09 - 05/23/24 12:09 <sup>1</sup>

## Client Sample ID: SB-2 (2-3)

Date Collected: 05/06/24 10:24

Date Received: 05/07/24 09:50

## Lab Sample ID: 500-250058-4

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	767505	MR	EET CHI	05/11/24 14:21

Eurofins Chicago

# Lab Chronicle

Client: Stantec Consulting Corporation  
Project/Site: Chilton Plating - 193709334

Job ID: 500-250058-1

## Client Sample ID: SB-2 (2-3)

Date Collected: 05/06/24 10:24

Date Received: 05/07/24 09:50

## Lab Sample ID: 500-250058-4

Matrix: Solid

Percent Solids: 82.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3060A			768307	PFK	EET CHI	05/16/24 17:00 - 05/16/24 18:30 <sup>1</sup>
Total/NA	Analysis	7196A		1	770260	PFK	EET CHI	05/23/24 12:10 - 05/23/24 12:10 <sup>1</sup>

## Client Sample ID: SB-2 (0.5-1)

Date Collected: 05/06/24 10:22

Date Received: 05/07/24 09:50

## Lab Sample ID: 500-250058-5

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	767505	MR	EET CHI	05/11/24 14:21

## Client Sample ID: SB-2 (0.5-1)

Date Collected: 05/06/24 10:22

Date Received: 05/07/24 09:50

## Lab Sample ID: 500-250058-5

Matrix: Solid

Percent Solids: 86.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3060A			768307	PFK	EET CHI	05/16/24 17:00 - 05/16/24 18:30 <sup>1</sup>
Total/NA	Analysis	7196A		1	770260	PFK	EET CHI	05/23/24 12:10 - 05/23/24 12:10 <sup>1</sup>

## Client Sample ID: SB-2 (4-5)

Date Collected: 05/06/24 10:26

Date Received: 05/07/24 09:50

## Lab Sample ID: 500-250058-6

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	767505	MR	EET CHI	05/11/24 14:21

## Client Sample ID: SB-2 (4-5)

Date Collected: 05/06/24 10:26

Date Received: 05/07/24 09:50

## Lab Sample ID: 500-250058-6

Matrix: Solid

Percent Solids: 94.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3060A			768307	PFK	EET CHI	05/16/24 17:00 - 05/16/24 18:30 <sup>1</sup>
Total/NA	Analysis	7196A		1	770260	PFK	EET CHI	05/23/24 12:11 - 05/23/24 12:11 <sup>1</sup>

## Client Sample ID: SB-3 (0-1.25)

Date Collected: 05/06/24 13:52

Date Received: 05/07/24 09:50

## Lab Sample ID: 500-250058-7

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	767505	MR	EET CHI	05/11/24 14:21

# Lab Chronicle

Client: Stantec Consulting Corporation  
Project/Site: Chilton Plating - 193709334

Job ID: 500-250058-1

## Client Sample ID: SB-3 (0-1.25)

Date Collected: 05/06/24 13:52

Date Received: 05/07/24 09:50

## Lab Sample ID: 500-250058-7

Matrix: Solid

Percent Solids: 87.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3060A			768307	PFK	EET CHI	05/16/24 17:00 - 05/16/24 18:30 <sup>1</sup>
Total/NA	Analysis	7196A		1	770260	PFK	EET CHI	05/23/24 12:11 - 05/23/24 12:11 <sup>1</sup>

## Client Sample ID: SB-3 (1.25-2.5)

Date Collected: 05/06/24 13:54

Date Received: 05/07/24 09:50

## Lab Sample ID: 500-250058-8

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	767505	MR	EET CHI	05/11/24 14:21

## Client Sample ID: SB-3 (1.25-2.5)

Date Collected: 05/06/24 13:54

Date Received: 05/07/24 09:50

## Lab Sample ID: 500-250058-8

Matrix: Solid

Percent Solids: 88.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3060A			768307	PFK	EET CHI	05/16/24 17:00 - 05/16/24 18:30 <sup>1</sup>
Total/NA	Analysis	7196A		1	770260	PFK	EET CHI	05/23/24 12:12 - 05/23/24 12:12 <sup>1</sup>

## Client Sample ID: SB-4 (0-1)

Date Collected: 05/06/24 14:02

Date Received: 05/07/24 09:50

## Lab Sample ID: 500-250058-9

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	767505	MR	EET CHI	05/11/24 14:21

## Client Sample ID: SB-4 (0-1)

Date Collected: 05/06/24 14:02

Date Received: 05/07/24 09:50

## Lab Sample ID: 500-250058-9

Matrix: Solid

Percent Solids: 86.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3060A			768307	PFK	EET CHI	05/16/24 17:00 - 05/16/24 18:30 <sup>1</sup>
Total/NA	Analysis	7196A		1	770260	PFK	EET CHI	05/23/24 12:12 - 05/23/24 12:12 <sup>1</sup>

## Client Sample ID: SB-5 (1-2)

Date Collected: 05/06/24 13:58

Date Received: 05/07/24 09:50

## Lab Sample ID: 500-250058-10

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	767505	MR	EET CHI	05/11/24 14:21

# Lab Chronicle

Client: Stantec Consulting Corporation  
Project/Site: Chilton Plating - 193709334

Job ID: 500-250058-1

## Client Sample ID: SB-5 (1-2)

Date Collected: 05/06/24 13:58

Date Received: 05/07/24 09:50

## Lab Sample ID: 500-250058-10

Matrix: Solid

Percent Solids: 83.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3060A			768307	PFK	EET CHI	05/16/24 17:00 - 05/16/24 18:30 <sup>1</sup>
Total/NA	Analysis	7196A		1	770260	PFK	EET CHI	05/23/24 12:13 - 05/23/24 12:13 <sup>1</sup>

## Client Sample ID: SB-6 (0-1)

Date Collected: 05/06/24 10:41

Date Received: 05/07/24 09:50

## Lab Sample ID: 500-250058-11

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	767505	MR	EET CHI	05/11/24 14:21

## Client Sample ID: SB-6 (0-1)

Date Collected: 05/06/24 10:41

Date Received: 05/07/24 09:50

## Lab Sample ID: 500-250058-11

Matrix: Solid

Percent Solids: 90.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3060A			768307	PFK	EET CHI	05/16/24 17:00 - 05/16/24 18:30 <sup>1</sup>
Total/NA	Analysis	7196A		1	770260	PFK	EET CHI	05/23/24 12:13 - 05/23/24 12:13 <sup>1</sup>

## Client Sample ID: SB-6 (2-3)

Date Collected: 05/06/24 10:43

Date Received: 05/07/24 09:50

## Lab Sample ID: 500-250058-12

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	767505	MR	EET CHI	05/11/24 14:21

## Client Sample ID: SB-6 (2-3)

Date Collected: 05/06/24 10:43

Date Received: 05/07/24 09:50

## Lab Sample ID: 500-250058-12

Matrix: Solid

Percent Solids: 82.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3060A			768307	PFK	EET CHI	05/16/24 17:00 - 05/16/24 18:30 <sup>1</sup>
Total/NA	Analysis	7196A		1	770260	PFK	EET CHI	05/23/24 12:13 - 05/23/24 12:13 <sup>1</sup>

## Client Sample ID: SB-6 (4-5)

Date Collected: 05/06/24 10:45

Date Received: 05/07/24 09:50

## Lab Sample ID: 500-250058-13

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	767505	MR	EET CHI	05/11/24 14:21

# Lab Chronicle

Client: Stantec Consulting Corporation  
Project/Site: Chilton Plating - 193709334

Job ID: 500-250058-1

## Client Sample ID: SB-6 (4-5)

Date Collected: 05/06/24 10:45

Date Received: 05/07/24 09:50

## Lab Sample ID: 500-250058-13

Matrix: Solid

Percent Solids: 89.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3060A			768307	PFK	EET CHI	05/16/24 17:00 - 05/16/24 18:30 <sup>1</sup>
Total/NA	Analysis	7196A		1	770260	PFK	EET CHI	05/23/24 12:14 - 05/23/24 12:14 <sup>1</sup>

## Client Sample ID: SB-7 (0-1)

Date Collected: 05/06/24 11:50

Date Received: 05/07/24 09:50

## Lab Sample ID: 500-250058-14

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	767505	MR	EET CHI	05/11/24 14:21

## Client Sample ID: SB-7 (0-1)

Date Collected: 05/06/24 11:50

Date Received: 05/07/24 09:50

## Lab Sample ID: 500-250058-14

Matrix: Solid

Percent Solids: 73.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3060A			768307	PFK	EET CHI	05/16/24 17:00 - 05/16/24 18:30 <sup>1</sup>
Total/NA	Analysis	7196A		1	770260	PFK	EET CHI	05/23/24 12:15 - 05/23/24 12:15 <sup>1</sup>

## Client Sample ID: SB-7 (1.75-2.25)

Date Collected: 05/06/24 11:52

Date Received: 05/07/24 09:50

## Lab Sample ID: 500-250058-15

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	767639	MR	EET CHI	05/13/24 10:02

## Client Sample ID: SB-7 (1.75-2.25)

Date Collected: 05/06/24 11:52

Date Received: 05/07/24 09:50

## Lab Sample ID: 500-250058-15

Matrix: Solid

Percent Solids: 78.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3060A			768307	PFK	EET CHI	05/16/24 17:00 - 05/16/24 18:30 <sup>1</sup>
Total/NA	Analysis	7196A		1	770260	PFK	EET CHI	05/23/24 12:16 - 05/23/24 12:16 <sup>1</sup>

## Client Sample ID: SB-7 (3.5-4.5)

Date Collected: 05/06/24 11:54

Date Received: 05/07/24 09:50

## Lab Sample ID: 500-250058-16

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	767505	MR	EET CHI	05/11/24 14:21

# Lab Chronicle

Client: Stantec Consulting Corporation  
Project/Site: Chilton Plating - 193709334

Job ID: 500-250058-1

## Client Sample ID: SB-7 (3.5-4.5)

Date Collected: 05/06/24 11:54

Date Received: 05/07/24 09:50

## Lab Sample ID: 500-250058-16

Matrix: Solid

Percent Solids: 92.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3060A			768307	PFK	EET CHI	05/16/24 17:00 - 05/16/24 18:30 <sup>1</sup>
Total/NA	Analysis	7196A		1	770260	PFK	EET CHI	05/23/24 12:16 - 05/23/24 12:16 <sup>1</sup>

## Client Sample ID: SB-8 (0.5-1.5)

Date Collected: 05/06/24 11:45

Date Received: 05/07/24 09:50

## Lab Sample ID: 500-250058-17

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	767505	MR	EET CHI	05/11/24 14:21

## Client Sample ID: SB-8 (0.5-1.5)

Date Collected: 05/06/24 11:45

Date Received: 05/07/24 09:50

## Lab Sample ID: 500-250058-17

Matrix: Solid

Percent Solids: 85.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3060A			768307	PFK	EET CHI	05/16/24 17:00 - 05/16/24 18:30 <sup>1</sup>
Total/NA	Analysis	7196A		1	770260	PFK	EET CHI	05/23/24 12:16 - 05/23/24 12:16 <sup>1</sup>

## Client Sample ID: SB-8 (3.75-4.5)

Date Collected: 05/06/24 11:47

Date Received: 05/07/24 09:50

## Lab Sample ID: 500-250058-18

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	767505	MR	EET CHI	05/11/24 14:21

## Client Sample ID: SB-8 (3.75-4.5)

Date Collected: 05/06/24 11:47

Date Received: 05/07/24 09:50

## Lab Sample ID: 500-250058-18

Matrix: Solid

Percent Solids: 93.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3060A			768307	PFK	EET CHI	05/16/24 17:00 - 05/16/24 18:30 <sup>1</sup>
Total/NA	Analysis	7196A		1	770260	PFK	EET CHI	05/23/24 12:17 - 05/23/24 12:17 <sup>1</sup>

## Client Sample ID: SB-9 (0-1)

Date Collected: 05/06/24 13:57

Date Received: 05/07/24 09:50

## Lab Sample ID: 500-250058-19

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	767505	MR	EET CHI	05/11/24 14:21

# Lab Chronicle

Client: Stantec Consulting Corporation  
Project/Site: Chilton Plating - 193709334

Job ID: 500-250058-1

## Client Sample ID: SB-9 (0-1)

Date Collected: 05/06/24 13:57

Date Received: 05/07/24 09:50

## Lab Sample ID: 500-250058-19

Matrix: Solid

Percent Solids: 82.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3060A			768307	PFK	EET CHI	05/16/24 17:00 - 05/16/24 18:30 <sup>1</sup>
Total/NA	Analysis	7196A		1	770260	PFK	EET CHI	05/23/24 12:17 - 05/23/24 12:17 <sup>1</sup>

## Client Sample ID: SB-10 (1-2)

Date Collected: 05/06/24 14:00

Date Received: 05/07/24 09:50

## Lab Sample ID: 500-250058-20

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	767505	MR	EET CHI	05/11/24 14:21

## Client Sample ID: SB-10 (1-2)

Date Collected: 05/06/24 14:00

Date Received: 05/07/24 09:50

## Lab Sample ID: 500-250058-20

Matrix: Solid

Percent Solids: 87.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3060A			768307	PFK	EET CHI	05/16/24 17:00 - 05/16/24 18:30 <sup>1</sup>
Total/NA	Analysis	7196A		1	770260	PFK	EET CHI	05/23/24 12:18 - 05/23/24 12:18 <sup>1</sup>

## Client Sample ID: SB-11 (0.5-1.5)

Date Collected: 05/06/24 10:37

Date Received: 05/07/24 09:50

## Lab Sample ID: 500-250058-21

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	767505	MR	EET CHI	05/11/24 14:21

## Client Sample ID: SB-11 (0.5-1.5)

Date Collected: 05/06/24 10:37

Date Received: 05/07/24 09:50

## Lab Sample ID: 500-250058-21

Matrix: Solid

Percent Solids: 92.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3060A			768314	PFK	EET CHI	05/16/24 17:00 - 05/16/24 18:30 <sup>1</sup>
Total/NA	Analysis	7196A		1	769346	PFK	EET CHI	05/23/24 12:38

## Client Sample ID: SB-11 (1.5-2)

Date Collected: 05/06/24 10:35

Date Received: 05/07/24 09:50

## Lab Sample ID: 500-250058-22

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	767506	MR	EET CHI	05/11/24 14:44



# Lab Chronicle

Client: Stantec Consulting Corporation  
Project/Site: Chilton Plating - 193709334

Job ID: 500-250058-1

## Client Sample ID: SB-11 (1.5-2)

Date Collected: 05/06/24 10:35

Date Received: 05/07/24 09:50

## Lab Sample ID: 500-250058-22

Matrix: Solid

Percent Solids: 83.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3060A			768314	PFK	EET CHI	05/16/24 17:00 - 05/16/24 18:30 <sup>1</sup>
Total/NA	Analysis	7196A		1	770262	PFK	EET CHI	05/23/24 12:40 - 05/23/24 12:40 <sup>1</sup>

## Client Sample ID: SB-11 (2.5-3.5)

Date Collected: 05/06/24 10:39

Date Received: 05/07/24 09:50

## Lab Sample ID: 500-250058-23

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	767506	MR	EET CHI	05/11/24 14:44

## Client Sample ID: SB-11 (2.5-3.5)

Date Collected: 05/06/24 10:39

Date Received: 05/07/24 09:50

## Lab Sample ID: 500-250058-23

Matrix: Solid

Percent Solids: 93.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3060A			768314	PFK	EET CHI	05/16/24 17:00 - 05/16/24 18:30 <sup>1</sup>
Total/NA	Analysis	7196A		1	769346	PFK	EET CHI	05/23/24 12:41

## Client Sample ID: SB-12 (0.5-1.5)

Date Collected: 05/06/24 11:40

Date Received: 05/07/24 09:50

## Lab Sample ID: 500-250058-24

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	767506	MR	EET CHI	05/11/24 14:44

## Client Sample ID: SB-12 (0.5-1.5)

Date Collected: 05/06/24 11:40

Date Received: 05/07/24 09:50

## Lab Sample ID: 500-250058-24

Matrix: Solid

Percent Solids: 91.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3060A			768314	PFK	EET CHI	05/16/24 17:00 - 05/16/24 18:30 <sup>1</sup>
Total/NA	Analysis	7196A		1	769346	PFK	EET CHI	05/23/24 12:43

## Client Sample ID: SB-12 (3.5-4.75)

Date Collected: 05/06/24 11:42

Date Received: 05/07/24 09:50

## Lab Sample ID: 500-250058-25

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	767506	MR	EET CHI	05/11/24 14:44

# Lab Chronicle

Client: Stantec Consulting Corporation  
Project/Site: Chilton Plating - 193709334

Job ID: 500-250058-1

## Client Sample ID: SB-12 (3.5-4.75)

Date Collected: 05/06/24 11:42

Date Received: 05/07/24 09:50

## Lab Sample ID: 500-250058-25

Matrix: Solid

Percent Solids: 86.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3060A			768314	PFK	EET CHI	05/16/24 17:00 - 05/16/24 18:30 <sup>1</sup>
Total/NA	Analysis	7196A		1	769346	PFK	EET CHI	05/23/24 12:44

## Client Sample ID: SB-13 (0.5-1.5)

Date Collected: 05/06/24 12:02

Date Received: 05/07/24 09:50

## Lab Sample ID: 500-250058-26

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	767506	MR	EET CHI	05/11/24 14:44

## Client Sample ID: SB-13 (0.5-1.5)

Date Collected: 05/06/24 12:02

Date Received: 05/07/24 09:50

## Lab Sample ID: 500-250058-26

Matrix: Solid

Percent Solids: 90.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3060A			768314	PFK	EET CHI	05/16/24 17:00 - 05/16/24 18:30 <sup>1</sup>
Total/NA	Analysis	7196A		1	769346	PFK	EET CHI	05/23/24 12:44

## Client Sample ID: Dup-1

Date Collected: 05/06/24 13:53

Date Received: 05/07/24 09:50

## Lab Sample ID: 500-250058-27

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	767506	MR	EET CHI	05/11/24 14:44

## Client Sample ID: Dup-1

Date Collected: 05/06/24 13:53

Date Received: 05/07/24 09:50

## Lab Sample ID: 500-250058-27

Matrix: Solid

Percent Solids: 88.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3060A			768314	PFK	EET CHI	05/16/24 17:00 - 05/16/24 18:30 <sup>1</sup>
Total/NA	Analysis	7196A		1	770262	PFK	EET CHI	05/23/24 12:45 - 05/23/24 12:45 <sup>1</sup>

## Client Sample ID: Dup-2

Date Collected: 05/06/24 14:01

Date Received: 05/07/24 09:50

## Lab Sample ID: 500-250058-28

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	767506	MR	EET CHI	05/11/24 14:44

# Lab Chronicle

Client: Stantec Consulting Corporation  
 Project/Site: Chilton Plating - 193709334

Job ID: 500-250058-1

**Client Sample ID: Dup-2**

Date Collected: 05/06/24 14:01

Date Received: 05/07/24 09:50

**Lab Sample ID: 500-250058-28**

Matrix: Solid

Percent Solids: 87.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3060A			768314	PFK	EET CHI	05/16/24 17:00 - 05/16/24 18:30 <sup>1</sup>
Total/NA	Analysis	7196A		1	770262	PFK	EET CHI	05/23/24 12:45 - 05/23/24 12:45 <sup>1</sup>

**Client Sample ID: SB-14 (0.5-1.25)**

Date Collected: 05/06/24 13:56

Date Received: 05/07/24 09:50

**Lab Sample ID: 500-250058-29**

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	767506	MR	EET CHI	05/11/24 14:44

**Client Sample ID: SB-14 (0.5-1.25)**

Date Collected: 05/06/24 13:56

Date Received: 05/07/24 09:50

**Lab Sample ID: 500-250058-29**

Matrix: Solid

Percent Solids: 92.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3060A			768314	PFK	EET CHI	05/16/24 17:00 - 05/16/24 18:30 <sup>1</sup>
Total/NA	Analysis	7196A		1	769346	PFK	EET CHI	05/23/24 12:45

<sup>1</sup> This procedure uses a method stipulated length of time for the process. Both start and end times are displayed.

**Laboratory References:**

EET CHI = Eurofins Chicago, 2417 Bond Street, University Park, IL 60484, TEL (708)534-5200

# Accreditation/Certification Summary

Client: Stantec Consulting Corporation  
Project/Site: Chilton Plating - 193709334

Job ID: 500-250058-1

## Laboratory: Eurofins Chicago

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Wisconsin	State	999580010	08-31-24

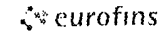
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**Eurofins Chicago**

2417 Bond Street  
 University Park IL 60484  
 Phone 708-534-5200 Fax 708 534 5211

**Chain of Custody Record**



Environmental Testing

<b>Client Information</b>		Sampler		Lab PM		Carrier Tracking No(s)		COC No	
Client Contact Jiyan Hatami		Phone		Fredrick Sandie		E-Mail Sandra.Fredrick@et.eurofinsus.com		500 123357-49588 2	
Company Stantec Consulting Corporation		PWSID		State of Origin WI		Analysis Requested		Page Page 2 of 3	
Address 12080 Corporate Parkway Suite 200		Due Date Requested		Job # 500-250088		Preservation Codes N None		Other:	
City Mequon		TAT Requested (days) 10		Field Filtered Sample (Yes or No)		Total Number of Containers		Special Instructions/Note	
Slate Zip WI 53092		Compliance Project <input type="checkbox"/> Yes <input type="checkbox"/> No		7196A - Chromium Hexavalent					
Phone		PO # 193709334		Field Filtered Sample (Yes or No)					
Email Jiyan.Hatami@stantec.com		WO #		7196A - Chromium Hexavalent					
Project Name Chilton Plating - 193709334		Project # 50006565		7196A - Chromium Hexavalent					
Site		SSOW#		7196A - Chromium Hexavalent					
<b>Sample Identification</b>		<b>Sample Date</b>		<b>Sample Time</b>		<b>Sample Type</b> (C=Comp, G=grab)		<b>Matrix</b> (W=water, S=solid, O=waste/oil)	
						BT=Tissue, A-Air			
						Preservation Code:			
12 SB-6 (2-3)		5/6/24		1043		Solid		X	
13 SB-6 (4-5)				1045		Solid		X	
14 SB-7 (0-1)				1150		Solid		X	
15 SB-7 (1.75-2.25)				1152		Solid		X	
16 SB-7 (3.5-4.5)				1154		Solid		X	
17 SB-8 (0.5-1.5)				1145		Solid		X	
18 SB-8 (3.75-4.5)				1147		Solid		X	
19 SB-9 (0-1)				1357		Solid		X	
20 SB-10 (1-2)				1400		Solid		X	
21 SB-11 (0.5-1.5)				1037		Solid		X	
22 SB-11 (1.5-2)				1035		Solid		X	
<b>Possible Hazard Identification</b>					<b>Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)</b>				
<input type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input checked="" type="checkbox"/> Unknown <input type="checkbox"/> Radiological					<input type="checkbox"/> Return To Client <input checked="" type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For _____ Months				
Deliverable Requested I II III IV Other (specify)					Special Instructions/QC Requirements MSA # 40411				
Empty Kit Relinquished by		Date		Time		Method of Shipment			
Relinquished by [Signature]		5/6/24, 1640		Company Stantec		Received by [Signature]		5/7/24 0950	
Relinquished by		Date/Time		Company		Received by		Date/Time	
Relinquished by		Date/Time		Company		Received by		Date/Time	
Custody Seals Intact <input type="checkbox"/> Yes <input type="checkbox"/> No		Custody Seal No		Cooler Temperature(s) °C and Other Remarks					

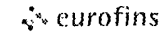
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**Eurofins Chicago**

2417 Bond Street  
 University Park IL 60484  
 Phone 708-534 5200 Fax 708 534 5211

**Chain of Custody Record**



EN 15757

<b>Client Information</b>		Sampler		Lab PM Fredrick Sandie		Carrier Tracking No(s)		COC No 500 123357 49588 3	
Client Contact Jiyam Hatami		Phone		E-Mail Sandra.Fredrick@et.eurofinsus.com		State of Origin WI		Page Page 3 of 3	
Company Stantec Consulting Corporation				PWSID		<b>Analysis Requested</b>			
Address 12080 Corporate Parkway Suite 200		Due Date Requested		Field Filtered Sample (Yes or No) Perform MSD (Yes or No) 7196A - Chromium Hexavalent		Total Number of Containers		Job # 500-250058	
City Mequon		TAT Requested (days) 10						Preservation Codes N None	
State Zip WI 53092		Compliance Project <input type="checkbox"/> Yes <input type="checkbox"/> No						Other	
Phone		PO # 193709334						Special Instructions/Note	
Email Jiyam.Hatami@stantec.com		WO #							
Project Name Chilton Plating 193709334		Project # 50006565							
Site		SSOW#							
<b>Sample Identification</b>		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 MSD (Yes or No)	7196A - Chromium Hexavalent	Total Number of Containers
				Preservation Code:					
23	SB-11 (2.5-3.5)	5/16/24	1039	6	Solid	X			
24	SB-12 (0.5-1.5)		1140		Solid	X			
25	SB-12 (3.5-4.75)		1142		Solid	X			
26	SB-13 (0.5-1.5)		1202		Solid	X			
27	Dup-1		1353		Solid	X			
28	Dup-2		1401		Solid	X			
29	SB-14 (0.5-1.25)		1356		Solid	X			
					Solid				
					Solid				
					Solid				
<b>Possible Hazard Identification</b>					<b>Sample Disposal ( A fee may be assessed if samples are retained longer than 1 month)</b>				
<input type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input checked="" type="checkbox"/> Unknown <input type="checkbox"/> Radiological					<input type="checkbox"/> Return To Client <input checked="" type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For _____ Months				
Deliverable Requested I II III, IV Other (specify)					Special Instructions/QC Requirements MSA # 40411				
Empty Kit Relinquished by		Date		Time		Method of Shipment			
Relinquished by		Date/Time 5/16/24, 1640		Company Stantec		Received by		Date/Time 5/17/24 0950	
Relinquished by		Date/Time		Company		Received by		Date/Time	
Relinquished by		Date/Time		Company		Received by		Date/Time	
Custody Seals Intact <input type="checkbox"/> Yes <input type="checkbox"/> No		Custody Seal No		Cooler Temperature(s) °C and Other Remarks					





ORIGIN ID:RRLA (262) 202-5955  
JIYAN HATAMI  
STANTEC  
12075 CORPORATE PARKWAY  
SUITE 200  
MEQUON, WI 53092  
UNITED STATES US

SHIP DATE: 02NOV22  
ACTWGT: 25.00 LB MAN  
CAD: 0269688/CAFE3616

WHI INET LULL  
STANTEC CONSULTING CORP.  
12080 CORPORATE PARKWAY  
#200  
MEQUON, WI 53092  
UNITED STATES US

ALWGT: 25.00 LB MAN  
CAD: 0780307/CAFE3755

Part # 159469-404 INTW EXP 09/24  
SREC/C137/9A3

TO **SAMPLE RECEIPT**  
**EUROFINS**  
**2417 BOND**



0184

500-250058 Waybi

5777/3407/9124

TO **SAMPLE RECEIPT**  
**EUROFINS CHICAGO**  
**2417 BOND ST.**

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**UNIVERSITY PARK IL 60484**

(708) 634-5200

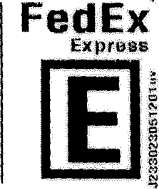
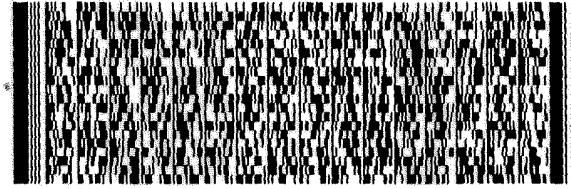
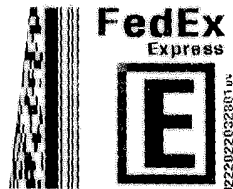
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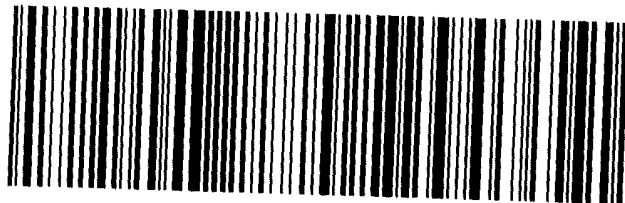
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60484  
IL-US ORD

Part # 159469-404 INTW EXP 09/24



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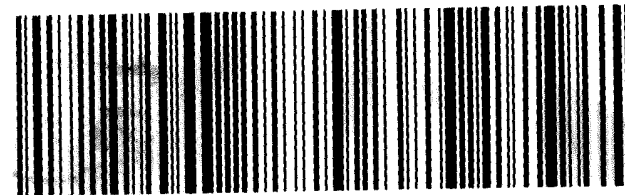
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**79 JOTA**

60484  
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Part # 159469-404 INTW EXP 09/24



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# Login Sample Receipt Checklist

Client: Stantec Consulting Corporation

Job Number: 500-250058-1

**Login Number: 250058**

**List Number: 1**

**Creator: Scott, Sherri L**

**List Source: Eurofins Chicago**

Question	Answer	Comment
Radioactivity wasn't checked or is <math>\leq</math> background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	4.2,3.5
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <math><6\text{mm}</math> (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	



# **Appendix C**

## **Field Parameter Forms**

WELL I.D. SMW1 Client \_\_\_\_\_ Rev. 2.1 Jan 2014  
 Project # \_\_\_\_\_ Site \_\_\_\_\_

Field Pers WC, JH Date 3/21/24 Time \_\_\_\_\_ Temp \_\_\_\_\_

Sample ID SMW-1 Weather sunny - Part.Cldy - OverCast - fog - Rain - Snow (circle) Wind (vel/dir) \_\_\_\_\_

CASING DIAMETER (1 casing vol (gal/linear ft) 1" (0.04) 2" (0.17) 3" (0.37) 4" (0.65) 5" (1.02) 6" (1.47) 6.5" (1.7) 8" (2.61) 10" (4.10) .....)

Well Material PVC  Iron  SS  Other \_\_\_\_\_ Stick up  Flush Mount  PLEASE CIRCLE WELL DIAMETER

DEPTH TO BOTTOM (feet) = 12.16 CASING VOLUME (gal) = 4  
 DEPTH TO PRODUCT (feet) = \_\_\_\_\_ CALCULATED PURGE VOL (gal) = 4.25 (PARAMETERS)  
 DEPTH TO WATER (feet) = 6.61 ACTUAL PURGE VOL (gal) = 7.5  
 WATER COLUMN HEIGHT (feet) = \_\_\_\_\_ PID UPON OPENING WELL (ppm) = \_\_\_\_\_

PARAMETERS (VORIBA)	TIME	VOL.	DTW	pH	CONDUCT.	TURBID.	DO	TEMP.	ORP	COLOR	COMMENTS / OTHERS
	(2400hr)	(gal)	(ft)	(no units)	(mmhos/cm)	(Vis/NTU)	(%)	(°C)	(mg/L)	(visual)	(Fe, TDS, ...)
											(SEE REVERSE)

Stabilization is project specific or complete when 3 successive readings are within the following limits: pH ± 0.1, Cond. ± 5%, Temp. ± 0.5%, Turb. ± 10%

**Development / Purging**

DATE PURGED 3/21/24 START (2400hr) 1215 END (2400hr) 1331

SEDIMENT THICKNESS (start) \_\_\_\_\_ SEDIMENT THICKNESS (end) \_\_\_\_\_ (original water column)

Bladder Pump \_\_\_\_\_ Bailer (Teflon) \_\_\_\_\_ Calcul of max draw down at time of sampling: ..... X0.8=  
 Centrifugal Pump \_\_\_\_\_ Bailer (PVC) \_\_\_\_\_ Disposal method \_\_\_\_\_  
 Submersible Pump \_\_\_\_\_ Bailer (Stainless Steel) \_\_\_\_\_  
 Peristaltic Pump \_\_\_\_\_ Dedicated / Disposable \_\_\_\_\_

Pump/Tubing Depth (ft) \_\_\_\_\_

Other (spec., purge pack, air lifting, ...) (Identify analytes sampled with which equipment)

**SAMPLE INFORMATION AT TIME OF SAMPLING**

DATE SAMPLED 3/21/24 SAMPLE TIME (2400hr) ~~1331~~ 1340

SAMPLE TYPE Groundwater  Surface Water  Treatment INF  EFF  Other \_\_\_\_\_

DEPTH AT WHICH SAMPLE TAKEN \_\_\_\_\_ DRAW DOWN LESS THAN \_\_\_\_\_ % OF INITIAL WL DTW at sample time \_\_\_\_\_

COLOR CLEAR, COLOLESS ODOR Faint  Medium  Strong  NATURE OF ODOR NONE SHEEN Y  N

ANALYSIS	VOC	PAH	PCRA	PFAS
PRESERVATIVE	<u>MPOM</u>	<u>-</u>	<u>NITRIC</u>	<u>-</u>
CONTAINER TYPE AND CONTENTANCE	<u>40 mL GLASS</u>	<u>250 mL AMBR</u>	<u>250 mL HDPE</u>	<u>250 mL HDPE</u>
# OF CONT.	<u>3</u>	<u>2</u>	<u>1</u>	<u>2</u>
FILTERED (Y/N)	<u>N</u>	<u>N</u>	<u>Y</u>	<u>N</u>
QA/QC	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>

NOTES (incl. deviation from plan)

**WELL INTEGRITY**

LOCK KEY #	Yes	No	Comments
Well identification number clearly marked?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Well covers and locks in good condition and secure?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Is the concrete pad and surface seal in good condition?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Are soils surrounding the well pad eroded?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Is there standing water in the flush mount?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Is the PVC well casing in good condition?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Is the measuring point on PVC casing well marked?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Does DTB sounded correspond with original well completion DTB?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Well coordinates:			
Others: instructions to find well, missing bolts (size), need retaping, other repair:			



<b>Stantec</b>		<b>Groundwater Development, Monitoring &amp; Sampling Form</b>					<b>ESPA-305</b>					
		WELL I.D. <u>SMW-2</u>		Client _____			Rev. 2.1	Jan 2014				
Field Pers <u>WC, JM</u>		Date <u>3/21/24</u>		Time _____		Temp _____						
Sample ID <u>SMW-2</u>		Weather <u>sunny Part.Cldy</u> OverCast - fog - Rain - Snow (circle)					Wind (vel/dir) _____					
CASING DIAMETER (1 casing vol (gal/linear ft) 1" (0.04) 2" (0.17) 3" (0.37) 4" (0.65) 5" (1.02) 6" (1.47) 6.5" (1.7) 8" (2.61) 10" (4.10) .....")												
Well Material PVC <input checked="" type="checkbox"/> Iron <input type="checkbox"/> SS <input type="checkbox"/> Other _____		Stick up <input type="checkbox"/> Flush Mount <input checked="" type="checkbox"/>		PLEASE CIRCLE WELL DIAMETER								
DEPTH TO BOTTOM (feet) = <u>11.61</u>		CASING VOLUME (gal) = _____										
DEPTH TO PRODUCT (feet) = _____		CALCULATED PURGE VOL (gal) = <u>(PARAMETERS)</u>										
DEPTH TO WATER (feet) = <u>5.58</u>		ACTUAL PURGE VOL (gal) = <u>5.75</u>										
WATER COLUMN HEIGHT (feet) = _____		PID UPON OPENING WELL (ppm) = _____										
PARAMETERS (ORIBA)	TIME (2400hr)	VOL (gal)	DTW (ft)	pH (no units)	CONDUCT. (mmhos/cm)	TURBID. (Vis/NTU)	DO (%)	TEMP. (°C)	ORP (mg/L)	COLOR (visual)	COMMENTS / OTHERS (Fe, TDS, ...)	
	<u>(SEE REVERSE)</u>											
	Stabilization is project specific or complete when 3 successive readings are within the following limits: pH ± 0.1, Cond. ± 5%, Temp. ± 0.5%, Turb. ± 10%											
Development / Puring	DATE PURGED <u>3/21/24</u> START (2400hr) <u>1525</u> END (2400hr) <u>1534</u>		SEDIMENT THICKNESS (start) _____ SEDIMENT THICKNESS (end) _____ (Original water column)									
	Bladder Pump		Bailer (Teflon)			Calcul of max draw down at time of sampling: ..... X0.8=						
	Centrifugal Pump		Bailer (PVC)			Disposal method _____						
	Submersible Pump		Bailer (Stainless Steel)									
Peristaltic Pump		Dedicated / Disposable										
Pump/Tubing Depth (ft) _____		Other eq. (urge back at time) _____ (Identify analytes sampled with which equipment)										
SAMPLE INFORMATION AT TIME OF SAMPLING	DATE SAMPLED <u>3/21/24</u>		SAMPLE TIME (2400hr) <u>1600</u>									
	SAMPLE TYPE Groundwater <input checked="" type="checkbox"/> Surface Water <input type="checkbox"/> Treatment INF <input type="checkbox"/> EFF <input type="checkbox"/> Other _____											
	DEPTH AT WHICH SAMPLE TAKEN _____		DRAW DOWN LESS THAN _____ % OF INITIAL WL								DTW at sample time _____	
	COLOR <u>CLEAR, COLORLESS</u>		ODOR Faint <input type="checkbox"/> Medium <input type="checkbox"/> Strong <input type="checkbox"/>		NATURE OF ODOR <u>NONE</u>		SHEEN Y <input type="checkbox"/> N <input checked="" type="checkbox"/>					
	ANALYSIS <u>VOC PAH PCRA PFAS CR6</u>											
	PRESERVATIVE <u>MOH</u>											
	CONTAINER TYPE AND CONTENANCE <u>40mL GLASS</u>		<u>250mL AMBER HDPE</u>		<u>250mL HDPE</u>		<u>250mL HDPE</u>		<u>500mL HDPE</u>			
	# OF CONT. <u>3</u>		<u>2</u>		<u>1</u>		<u>2</u>		<u>1</u>			
	FILTERED (Y/N) <u>N</u>		<u>N</u>		<u>Y</u>		<u>N</u>		<u>Y</u>			
	QA/QC _____											
NOTES (incl. deviation from plan)												
WELL INTEGRITY	LOCK KEY # _____		Yes No		Comments							
	Well identification number clearly marked?		<input checked="" type="checkbox"/> <input type="checkbox"/>		_____							
	Well covers and locks in good condition and secure?		<input checked="" type="checkbox"/> <input type="checkbox"/>		_____							
	Is the concrete pad and surface seal in good condition?		<input checked="" type="checkbox"/> <input type="checkbox"/>		_____							
	Are soils surrounding the well pad eroded?		<input type="checkbox"/> <input checked="" type="checkbox"/>		_____							
	Is there standing water in the flush mount?		<input type="checkbox"/> <input checked="" type="checkbox"/>		_____							
	Is the PVC well casing in good condition?		<input checked="" type="checkbox"/> <input type="checkbox"/>		_____							
	Is the measuring point on PVC casing well marked?		<input checked="" type="checkbox"/> <input type="checkbox"/>		_____							
	Does DTB sounded correspond with original well completion DTB?		<input checked="" type="checkbox"/> <input type="checkbox"/>		_____							
	Well coordinates: _____											
Others: instructions to find well, missing bolts (size), need retaping, other repair:												







### Groundwater Development, Monitoring & Sampling Form

ESPA-305

WELL I.D.

SMW-3

Client

Rev. 2.1

Jan 2014

Project #

Site

Field Pers

WC, JM

Date

3/21/24

Time

1640

Temp

Sample ID

SMW-3

Weather

sunny - Part.Cldy - OverCast - fog - Rain - Snow (circle)

Wind (vel/dir)

CASING DIAMETER (1 casing vol (gal/linear ft) 1" (0.04) 2" (0.17) 3" (0.37) 4" (0.65) 5" (1.02) 6" (1.47) 6.5" (1.7) 8" (2.61) 10" (4.10) .....)

Well Material PVC  Iron  SS  Other

Stick up  Flush Mount

PLEASE CIRCLE WELL DIAMETER

DEPTH TO BOTTOM (feet) =

12.31

CASING VOLUME (gal) =

DEPTH TO PRODUCT (feet) =

—

CALCULATED PURGE VOL (gal) =

(NUMBERS)

DEPTH TO WATER (feet) =

6.38

ACTUAL PURGE VOL (gal) =

6.25

WATER COLUMN HEIGHT (feet) =

PID UPON OPENING WELL (ppm) =

PARAMETERS (NORBA)	TIME (2400hr)	VOL. (gal)	DTW (ft)	pH (no units)	CONDUCT. (mmhos/cm)	TURBID. (Vis/NTU)	DO (%)	TEMP. (°C)	ORP (mg/L)	COLOR (visual)	COMMENTS / OTHERS (Fe, TDS, ...)
						(SEE BELOW)					

Stabilization is project specific or complete when 3 successive readings are within the following limits: pH ± 0.1, Cond. ± 5%, Temp. ± 0.5%, Turb. ± 10%

Development / Purging

DATE PURGED

3/21/24

START (2400hr)

1640

END (2400hr)

1810

SEDIMENT THICKNESS (start)

—

SEDIMENT THICKNESS (end)

(original water column)

Bladder Pump

Boiler (Teflon)

Calcul of max draw down at time of sampling: ..... X0.8=

Centrifugal Pump

Boiler (PVC)

Disposal method

Submersible Pump

Boiler (Stainless Steel)

Peristaltic Pump

Dedicated / Disposable

Pump/Tubing Depth (ft)

Other calc. (purge back, airtight, ...)

(Identify analytes sampled with which equipment)

SAMPLE INFORMATION AT TIME OF SAMPLING

DATE SAMPLED

3/21/24

SAMPLE TIME (2400hr)

1815

SAMPLE TYPE

Groundwater  Surface Water  Treatment INF  EFF  Other

DEPTH AT WHICH SAMPLE TAKEN

DRAW DOWN LESS THAN \_\_\_\_% OF INITIAL WL

DTW at sample time

COLOR

Clear, colorless

ODOR

Faint  Medium  Strong

NATURE OF ODOR

NONE

SHEEN Y  N

ANALYSIS

VOC PAH PCBs PFAS

PRESERVATIVE

MeOH - N-TAC -

CONTAINER TYPE AND CONTENTANCE

40 mL GLASS 250 mL AMBER HDPE 250 mL HDPE

# OF CONT.

3 2 1 2

FILTERED (Y/N)

N N Y N

QA/QC

- - - -

NOTES (incl. deviation from plan)

WELL INTEGRITY

LOCK KEY #

Yes No Comments

Well identification number clearly marked?

Well covers and locks in good condition and secure?

Is the concrete pad and surface seal in good condition?

Are soils surrounding the well pad eroded?

Is there standing water in the flush mount?

Is the PVC well casing in good condition?

Is the measuring point on PVC casing well marked?

Does DTB sounded correspond with original well completion DTB?

Well coordinates:

Others: instructions to find well, missing bolts (size), need retaping, other repair:



<b>Stantec</b>	<b>Groundwater Development, Monitoring &amp; Sampling Form</b>				<b>ESPA-305</b>							
	<b>WELL I.D.</b>	<b>SMW-5</b>		<b>Client</b>		Rev. 2.1	Jan 2014					
<b>Field Pers</b> <u>WC, JH</u>			<b>Date</b> <u>3/21</u>	<b>Time</b> <u>1530</u>	<b>Temp</b>							
<b>Sample ID</b> <u>SMW-5</u>			<b>Weather</b> <u>sunny - Part.Cldy - OverCast - fog - Rain - Snow (circle)</u>			<b>Wind</b> (vel/dir)						
<b>CASING DIAMETER</b> (1 casing vol (gal/linear ft) (0.04) <u>2" (0.17)</u> 3" (0.37) 4" (0.65) 5" (1.02) 6" (1.47) 6.5" (1.7) 8" (2.61) 10" (4.10) ..... (.....)												
<b>Well Material</b> PVC <input checked="" type="checkbox"/> Iron <input type="checkbox"/> SS <input type="checkbox"/> Other <input type="checkbox"/>			Stick up <input type="checkbox"/> Flush Mount <input checked="" type="checkbox"/>		<b>PLEASE CIRCLE WELL DIAMETER</b>							
<b>DEPTH TO BOTTOM (feet) =</b> <u>12.36</u>			<b>CASING VOLUME (gal) =</b> _____									
<b>DEPTH TO PRODUCT (feet) =</b> <u>N/A</u>			<b>CALCULATED PURGE VOL (gal) =</b> <u>(PARAMETERS)</u>									
<b>DEPTH TO WATER (feet) =</b> <u>6.69</u>			<b>ACTUAL PURGE VOL (gal) =</b> <u>7 gal</u>									
<b>WATER COLUMN HEIGHT (feet) =</b> _____			<b>PID UPON OPENING WELL (ppm) =</b> _____									
<b>PARAMETERS (ORBA)</b>	<b>TIME</b>	<b>VOL</b>	<b>DTW</b>	<b>pH</b>	<b>CONDUCT.</b>	<b>TURBID.</b>	<b>DO</b>	<b>TEMP.</b>	<b>ORP</b>	<b>COLOR</b>	<b>COMMENTS / OTHERS</b>	
	(2400hr)	(gal)	(ft)	(no units)	(mmhos/cm)	(Vis/NTU)	(%)	(°C)	(mg/L)	(visual)	(Fe, TDS, ...)	
	_____	_____	_____	_____	_____	_____	_____	_____	_____	_____	_____	
	<u>(SEE BELOW)</u>											
Stabilization is project specific or complete when 3 successive readings are within the following limits: pH ± 0.1, Cond. ± 5%, Temp. ± 0.5%, Turb. ± 10%												
<b>Development / Purging</b>	<b>DATE PURGED</b> <u>3/21</u>		<b>START (2400hr)</b> <u>1500</u>		<b>END (2400hr)</b> <u>1536</u>							
	<b>SEDIMENT THICKNESS (start)</b> _____				<b>SEDIMENT THICKNESS (end)</b> _____				(Original water column)			
	Bladder Pump			Bailer (Teflon)			Calcul of max draw down at time of sampling: ..... X0.8=					
	Centrifugal Pump			Bailer (PVC)			Disposal method					
Submersible Pump			Bailer (Stainless Steel)									
Peristaltic Pump			Dedicated / Disposable									
<b>Pump/Tubing Depth (ft)</b> _____			<small>(Identify analytes sampled with which equipment)</small>									
<small>Other eq. (urge back or filling, ...)</small>												
<b>SAMPLE INFORMATION AT TIME OF SAMPLING</b>	<b>DATE SAMPLED</b> <u>3/21/24</u>		<b>SAMPLE TIME (2400hr)</b> <u>1530</u>		<u>(DUP-1 @ 1531)</u>							
	<b>SAMPLE TYPE</b> Groundwater <input checked="" type="checkbox"/> Surface Water <input type="checkbox"/> Treatment INF <input type="checkbox"/> EFF <input type="checkbox"/> Other _____											
	<b>DEPTH AT WHICH SAMPLE TAKEN</b> _____				<b>DRAW DOWN LESS THAN</b> _____ % OF INITIAL WL				<b>DTW at sample time</b> _____			
	<b>COLOR</b> <u>CLEAR, COLORLESS</u>			<b>ODOR</b> Faint <input type="checkbox"/> Medium <input type="checkbox"/> Strong <input type="checkbox"/>			<b>NATURE OF ODOR</b> <u>NONE</u>			<b>SHEEN</b> Y <input type="checkbox"/> N <input type="checkbox"/>		
	<b>ANALYSIS</b> <u>VOC PAH RURA PFAS CR6 AMEN-CN</u>											
	<b>PRESERVATIVE</b> <u>MDH - NITRIC - - NaOH</u>											
	<b>CONTAINER TYPE AND CONTENANCE</b> <u>40 mL LUS 250 mL AMBCR 250 mL HDPE 250 mL HDPE 500 mL HDPE 250 mL HDPE</u>											
	<b># OF CONT.</b> <u>3 2 1 2 1 1</u>											
	<b>FILTERED (Y/N)</b> <u>N N Y N Y N</u>											
	<b>QA/QC</b> <u>DUP-1 DUP-1 DUP-1 DUP-1 DUP-1</u>											
<b>NOTES (incl. deviation from plan)</b>												
<b>WELL INTEGRITY</b>	<b>LOCK KEY #</b>		Yes		No		<b>Comments</b>					
	Well identification number clearly marked?		<input checked="" type="checkbox"/>		<input type="checkbox"/>		_____					
	Well covers and locks in good condition and secure?		<input checked="" type="checkbox"/>		<input type="checkbox"/>		_____					
	Is the concrete pad and surface seal in good condition?		<input checked="" type="checkbox"/>		<input type="checkbox"/>		_____					
	Are soils surrounding the well pad eroded?		<input type="checkbox"/>		<input checked="" type="checkbox"/>		_____					
	Is there standing water in the flush mount?		<input type="checkbox"/>		<input checked="" type="checkbox"/>		_____					
	Is the PVC well casing in good condition?		<input checked="" type="checkbox"/>		<input type="checkbox"/>		_____					
	Is the measuring point on PVC casing well marked?		<input checked="" type="checkbox"/>		<input type="checkbox"/>		_____					
	Does DTB sounded correspond with original well completion DTB?		<input checked="" type="checkbox"/>		<input type="checkbox"/>		_____					
	Well coordinates:		_____									
Others: instructions to find well, missing bolts (size), need retaping, other repair:												



<b>Stantec</b>		<b>Groundwater Development, Monitoring &amp; Sampling Form</b>					<b>ESPA-305</b>					
		WELL I.D. <u>SMW-6</u>		Client _____			Rev. 2.1	Jan 2014				
Field Pers <u>WC, JH</u>		Date <u>3/21/24</u>		Time _____		Temp _____						
Sample ID <u>SMW-6</u>		Weather <u>sunny - Part.Cldy - OverCast - fog - Rain - Snow</u> (circle)					Wind (vel/dir) _____					
CASING DIAMETER (1 casing vol (gal/linear ft) 1" (0.04) 2" (0.17) 3" (0.37) 4" (0.65) 5" (1.02) 6" (1.47) 6.5" (1.7) 8" (2.61) 10" (4.10) .....)												
Well Material PVC <input checked="" type="checkbox"/> Iron <input type="checkbox"/> SS <input type="checkbox"/> Other _____		Stick up <input checked="" type="checkbox"/> Flush Mount <input type="checkbox"/>		<b>PLEASE CIRCLE WELL DIAMETER</b>								
DEPTH TO BOTTOM (feet) = <u>17.67</u>		CASING VOLUME (gal) = _____		DEPTH TO PRODUCT (feet) = _____								
DEPTH TO WATER (feet) = <u>7.85</u>		CALCULATED PURGE VOL (gal) = <u>(Parameter)</u>		ACTUAL PURGE VOL (gal) = <u>6.5</u>								
WATER COLUMN HEIGHT (feet) = _____		PID UPON OPENING WELL (ppm) = _____										
PARAMETERS (ORIBA)	TIME (2400hr)	VOL. (gal)	DTW (ft)	pH (no units)	CONDUCT. (mmhos/cm)	TURBID. (VIs/NTU)	DO (%)	TEMP. (°C)	ORP (mg/L)	COLOR (visual)	COMMENTS / OTHERS (Fe, TDS, ...)	
	_____	_____	_____	_____	_____	_____	_____	_____	_____	_____	_____	
	<u>(SEE REVERSE)</u>											
	Stabilization is project specific or complete when 3 successive readings are within the following limits: pH ± 0.1, Cond. ± 5%, Temp. ± 0.5%, Turb. ± 10%											
Development / Purging	DATE PURGED <u>3/21/24</u>		START (2400hr) <u>1155</u>	END (2400hr) <u>1250</u>								
	SEDIMENT THICKNESS (start) _____			SEDIMENT THICKNESS (end) _____			(Original water column)					
	Bladder Pump		Bailer (Teflon)		Calcul of max draw down at time of sampling: ..... X0.8=							
	Centrifugal Pump		Bailer (PVC)		Disposal method _____							
Submersible Pump		Bailer (Stainless Steel)										
Peristaltic Pump		Dedicated / Disposable										
Pump/Tubing Depth (ft) _____		Other equip. (Purge block, air lifting, ...)										
SAMPLE INFORMATION AT TIME OF SAMPLING	DATE SAMPLED <u>3/21/24</u>		SAMPLE TIME (2400hr) <u>1300</u>									
	SAMPLE TYPE		Groundwater <input checked="" type="checkbox"/> Surface Water <input type="checkbox"/> Treatment INF <input type="checkbox"/> EFF <input type="checkbox"/> Other _____									
	DEPTH AT WHICH SAMPLE TAKEN _____		DRAW DOWN LESS THAN _____ % OF INITIAL WL		DTW at sample time _____							
	COLOR <u>CLAR, COLORLESS</u>		ODOR Faint <input type="checkbox"/> Medium <input type="checkbox"/> Strong <input type="checkbox"/>		NATURE OF ODOR <u>NONE</u>		SHEEN Y <input type="checkbox"/> N <input checked="" type="checkbox"/>					
	ANALYSIS		<u>VOX</u>	<u>PM</u>	<u>RCA</u>	<u>PFAS</u>						
	PRESERVATIVE		<u>MeOH</u>	<u>NITLIC</u>								
	CONTAINER TYPE AND CONTENANCE		<u>40 mL GLASS</u>	<u>250ML AMBA</u>	<u>250ML HDPE</u>	<u>250ML HDPE</u>						
	# OF CONT.		<u>3</u>	<u>2</u>	<u>1</u>	<u>2</u>						
	FILTERED (Y/N)		<u>N</u>	<u>N</u>	<u>Y</u>	<u>N</u>						
	QA/QC		_____	_____	_____	_____						
NOTES (incl. deviation from plan)												
WELL INTEGRITY	LOCK KEY #		Yes		No		Comments					
	Well identification number clearly marked?		<input checked="" type="checkbox"/>		<input type="checkbox"/>		_____					
	Well covers and locks in good condition and secure?		<input checked="" type="checkbox"/>		<input type="checkbox"/>		_____					
	Is the concrete pad and surface seal in good condition?		<input checked="" type="checkbox"/>		<input type="checkbox"/>		_____					
	Are soils surrounding the well pad eroded?		<input type="checkbox"/>		<input checked="" type="checkbox"/>		_____					
	Is there standing water in the flush mount?		<input type="checkbox"/>		<input checked="" type="checkbox"/>		_____					
	Is the PVC well casing in good condition?		<input checked="" type="checkbox"/>		<input type="checkbox"/>		_____					
	Is the measuring point on PVC casing well marked?		<input checked="" type="checkbox"/>		<input type="checkbox"/>		_____					
	Does DTB sounded correspond with original well completion DTB?		<input checked="" type="checkbox"/>		<input type="checkbox"/>		_____					
	Well coordinates:		_____									
Others: instructions to find well, missing bolts (size), need retaping, other repair:												





# Groundwater Development, Monitoring & Sampling Form

ESPA-305

WELL I.D. SMW-7

Client

Rev. 2.1 Jan 2014

Project #

Site

Field Pers W.C.M.

Date 3/21/21

Time

Temp

Sample ID SMW-7

Weather sunny - Part.Cldy - OverCast - fog - Rain - Snow (circle)

Wind (vel/dir)

CASING DIAMETER (1 casing vol (gal/linear ft) 1" (0.04) 2" (0.17) 3" (0.37) 4" (0.65) 5" (1.02) 6" (1.47) 6.5" (1.7) 8" (2.61) 10" (4.10) .....)

Well Material PVC  Iron  SS  Other

Stick up  Flush Mount

PLEASE CIRCLE WELL DIAMETER

DEPTH TO BOTTOM (feet) = 15.88

CASING VOLUME (gal) =

DEPTH TO PRODUCT (feet) =

CALCULATED PURGE VOL (gal) = (PARAMETERS)

DEPTH TO WATER (feet) = 8.94

ACTUAL PURGE VOL (gal) = 7.5

WATER COLUMN HEIGHT (feet) =

PID UPON OPENING WELL (ppm) =

PARAMETERS (YORIBA)	TIME (2400hr)	VOL. (gal)	DTW (ft)	pH (no units)	CONDUCT. (mmhos/cm)	TURBID. (Vis/NTU)	DO (%)	TEMP. (°C)	ORP (mg/L)	COLOR (visual)	COMMENTS / OTHERS (Fe, TDS, ...)
											<u>(SEE ROW CASE)</u>

Stabilization is project specific or complete when 3 successive readings are within the following limits: pH ± 0.1, Cond. ± 5%, Temp. ± 0.5%, Turb. ± 10%

DATE PURGED 3/21/21 START (2400hr) 1630 END (2400hr) 1710

SEDIMENT THICKNESS (start) \_\_\_\_\_ SEDIMENT THICKNESS (end) \_\_\_\_\_ (original water column)

Bladder Pump Bailer (Teflon) Calcul of max draw down at time of sampling: ..... X0.8=  
 Centrifugal Pump Bailer (PVC) Disposal method  
 Submersible Pump Bailer (Stainless Steel)  
 Peristaltic Pump Dedicated / Disposable

Pump/Tubing Depth (ft) \_\_\_\_\_ (Other eq., (burge back, drilling ...)) (Identify analytes sampled with which equipment)

DATE SAMPLED 3/21/21 SAMPLE TIME (2400hr) 1715

SAMPLE TYPE Groundwater  Surface Water  Treatment INF  EFF  Other

DEPTH AT WHICH SAMPLE TAKEN \_\_\_\_\_ DRAW DOWN LESS THAN \_\_\_\_\_ % OF INITIAL WL DTW at sample time

COLOR CLEAR, COLORLESS ODOR Faint  Medium  Strong  NATURE OF ODOR None SHEEN Y  N

ANALYSIS VOC PAH ROCA PFAS

PRESERVATIVE 40 mL GLASS 250 mL AMBUL 250 mL HOPE 250 mL HOPE

CONTAINER TYPE AND CONTENANCE MEDIA - NITRIC -

# OF CONT. 3 2 1 2

FILTERED (Y/N) N N Y N

QA/QC - - - -

NOTES (incl. deviation from plan)

WELL INTEGRITY	LOCK KEY #	Yes	No	Comments
	Well identification number clearly marked?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
	Well covers and locks in good condition and secure?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
	Is the concrete pad and surface seal in good condition?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
	Are soils surrounding the well pad eroded?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
	Is there standing water in the flush mount?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
	Is the PVC well casing in good condition?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
	Is the measuring point on PVC casing well marked?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
	Does DTB sounded correspond with original well completion DTB?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
	Well coordinates:			

Others: instructions to find well, missing bolts (size), need retaping, other repair:





<b>Stantec</b>		<b>Groundwater Development, Monitoring &amp; Sampling Form</b>				<b>ESPA-305</b>					
		WELL I.D.	SP2-1	Client		Rev. 2.1	Jan 2014				
Field Pers <u>W.K. TH</u>		Date <u>3/21/24</u>	Time		Temp						
Sample ID <u>SP2-1</u>		Weather <u>sunny - Part.Cldy - OverCast - fog - Rain - Snow (circle)</u>			Wind (vel/dir)						
CASING DIAMETER (1 casing vol (gal/linear ft) 1" (0.04) 2" (0.17) 3" (0.37) 4" (0.65) 5" (1.02) 6" (1.47) 6.5" (1.7) 8" (2.61) 10" (4.10) ..... (.....)											
Well Material <input checked="" type="checkbox"/> PVC <input type="checkbox"/> Iron <input type="checkbox"/> SS <input type="checkbox"/> Other		Stick up <input checked="" type="checkbox"/> Flush Mount <input type="checkbox"/>		PLEASE CIRCLE WELL DIAMETER							
DEPTH TO BOTTOM (feet) = <u>32.14</u>		CASING VOLUME (gal) =		DEPTH TO PRODUCT (feet) =							
DEPTH TO WATER (feet) = <u>5.17</u>		CALCULATED PURGE VOL (gal) =		<u>(PARAMETERS)</u>							
WATER COLUMN HEIGHT (feet) =		ACTUAL PURGE VOL (gal) = <u>16.0</u>		PID UPON OPENING WELL (ppm) =							
PARAMETERS (ORIBA)	TIME (2400hr)	VOL (gal)	DTW (ft)	pH (no units)	CONDUCT. (mmhos/cm)	TURBID. (Vis/NTU)	DO (%)	TEMP. (°C)	ORP (mg/L)	COLOR (visual)	COMMENTS / OTHERS (Fe, TDS, ...)
	<u>(SEE RANGE)</u>										
	Stabilization is project specific or complete when 3 successive readings are within the following limits: pH ± 0.1, Cond ± 5%, Temp. ± 0.5%, Turb. ± 10%										
Development / Purging	DATE PURGED <u>3/21/24</u>		START (2400hr) <u>1410</u>	END (2400hr) <u>1418</u>	SEDIMENT THICKNESS (end) _____ (original water column)						
	Bladder Pump		Boiler (Teflon)		Calcul of max draw down at time of sampling: ..... X0.8=						
	Centrifugal Pump		Boiler (PVC) <u>SAMPLE</u>		Disposal method						
	Submersible Pump <u>PURGE</u>		Boiler (Stainless Steel)								
Peristaltic Pump		Dedicated / Disposable									
Pump/Tubing Depth (ft)											
Other equ., purge back, or filling...		Identify analytes sampled with which equipment									
SAMPLE INFORMATION AT TIME OF SAMPLING	DATE SAMPLED <u>3/21/24</u>		SAMPLE TIME (2400hr) <u>1515</u>								
	SAMPLE TYPE <input checked="" type="checkbox"/> Groundwater <input type="checkbox"/> Surface Water <input type="checkbox"/> Treatment INF <input type="checkbox"/> EFF <input type="checkbox"/> Other										
	DEPTH AT WHICH SAMPLE TAKEN		DRAW DOWN LESS THAN _____ % OF INITIAL WL		DTW at sample time						
	COLOR <u>CLEAR, colorless</u>		ODOR Faint <input type="checkbox"/> Medium <input type="checkbox"/> Strong <input type="checkbox"/>		NATURE OF ODOR <u>NONE</u>		SHEEN Y <input type="checkbox"/> N <input checked="" type="checkbox"/>				
	ANALYSIS <u>UOC</u>		<u>PAA</u>		<u>ROCA</u>		<u>PFAS</u>		<u>Cr+6</u>		
	PRESERVATIVE <u>MeOH</u>		<u>NITRIC</u>								
	CONTAINER TYPE AND CONTENANCE <u>40 mL WASS</u>		<u>250 mL AMBER</u>		<u>250 mL HDPE</u>		<u>250 mL HDPE</u>		<u>500 mL HDPE</u>		
	# OF CONT. <u>3</u>		<u>2</u>		<u>1</u>		<u>2</u>		<u>1</u>		
	FILTERED (Y/N) <u>N</u>		<u>N</u>		<u>Y</u>		<u>N</u>		<u>Y</u>		
	QA/QC										
NOTES (incl. deviation from plan)											
WELL INTEGRITY	LOCK KEY #		Yes		No		Comments				
	Well identification number clearly marked?		<input checked="" type="checkbox"/>		<input type="checkbox"/>						
	Well covers and locks in good condition and secure?		<input checked="" type="checkbox"/>		<input type="checkbox"/>						
	Is the concrete pad and surface seal in good condition?		<input checked="" type="checkbox"/>		<input type="checkbox"/>						
	Are soils surrounding the well pad eroded?		<input type="checkbox"/>		<input checked="" type="checkbox"/>						
	Is there standing water in the flush mount?		<input type="checkbox"/>		<input checked="" type="checkbox"/>						
	Is the PVC well casing in good condition?		<input checked="" type="checkbox"/>		<input type="checkbox"/>						
	Is the measuring point on PVC casing well marked?		<input checked="" type="checkbox"/>		<input type="checkbox"/>						
	Does DTB sounded correspond with original well completion DTB?		<input checked="" type="checkbox"/>		<input type="checkbox"/>						
	Well coordinates:										
Others: instructions to find well, missing bolts (size), need retaping, other repair:											

THIS INFORMATION FOR AUTHORIZED COMPANY USE ONLY





# Groundwater Development, Monitoring & Sampling Form

ESPA-305

WELL I.D. CPM002

Client

Rev. 2.1 Jan 2014

Project #

Site

Field Pers WC, JH

Date 3/21/24

Time

Temp

Sample ID CPM002

Weather sunny - Part.Clay - OverCast - fog - Rain - Snow (circle)

Wind (vel/dir)

CASING DIAMETER (1 casing vol (gal/linear ft) 1" (0.04) 2" (0.17) 3" (0.37) 4" (0.65) 5" (1.02) 6" (1.47) 6.5" (1.7) 8" (2.61) 10" (4.10) .....)

Well Material PVC  Iron  SS  Other  Stick up  Flush Mount

PLEASE CIRCLE WELL DIAMETER

DEPTH TO BOTTOM (feet) = 16.80

CASING VOLUME (gal) =

DEPTH TO PRODUCT (feet) =

CALCULATED PURGE VOL (gal) = (PARAMETERS)

DEPTH TO WATER (feet) = 6.90

ACTUAL PURGE VOL (gal) = 5.0

WATER COLUMN HEIGHT (feet) =

PID UPON OPENING WELL (ppm) =

PARAMETERS (NORBA)	TIME (2400hr)	VOL (gal)	DTW (ft)	pH (no units)	CONDUCT. (mmhos/cm)	TURBID. (Vis/NTU)	DO (%)	TEMP. (°C)	ORP (mg/L)	COLOR (visual)	COMMENTS / OTHERS (Fe, TDS, ...)

Stabilization is project specific or complete when 3 successive readings are within the following limits: pH ± 0.1, Cond. ± 5%, Temp. ± 0.5%, Turb. ± 10%

**Development / Purging**

DATE PURGED 3/21/24 START (2400hr) 1520 END (2400hr) 1550

SEDIMENT THICKNESS (start) \_\_\_\_\_ SEDIMENT THICKNESS (end) \_\_\_\_\_ (original water column)

Bladder Pump \_\_\_\_\_ Bailer (Teflon) \_\_\_\_\_ Calcul of max draw down at time of sampling: ..... X0.8=

Centrifugal Pump \_\_\_\_\_ Bailer (PVC) \_\_\_\_\_ Disposal method \_\_\_\_\_

Submersible Pump \_\_\_\_\_ Bailer (Stainless Steel) \_\_\_\_\_

Peristaltic Pump \_\_\_\_\_ Dedicated / Disposable \_\_\_\_\_

Pump/Tubing Depth (ft) \_\_\_\_\_

Different purge block or thing... (Identify analytes sampled with which equipment)

**SAMPLE INFORMATION AT TIME OF SAMPLING**

DATE SAMPLED 3/21/24 SAMPLE TIME (2400hr) 1555

SAMPLE TYPE Groundwater  Surface Water  Treatment INF  EFF  Other \_\_\_\_\_

DEPTH AT WHICH SAMPLE TAKEN \_\_\_\_\_ DRAW DOWN LESS THAN \_\_\_\_\_ % OF INITIAL WL DTW at sample time \_\_\_\_\_

COLOR CLEAR, COLORLESS ODOR Faint  Medium  Strong  NATURE OF ODOR NONE SHEEN Y  N

ANALYSIS	<u>VOC</u>	<u>PM</u>	<u>PORA</u>	<u>PFAS</u>	<u>CR6</u>
PRESERVATIVE	<u>MeOH</u>	<u>-</u>	<u>NITRIC</u>	<u>-</u>	<u>-</u>
CONTAINER TYPE AND CONTENANCE	<u>40 mL GLASS</u>	<u>250 mL AMBOR</u>	<u>250 mL HDPE</u>	<u>250 mL HDPE</u>	<u>500 mL HDPE</u>
# OF CONT.	<u>3</u>	<u>2</u>	<u>1</u>	<u>2</u>	<u>1</u>
FILTERED (Y/N)	<u>N</u>	<u>N</u>	<u>Y</u>	<u>N</u>	<u>Y</u>
QA/QC	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>

**WELL INTEGRITY**

LOCK KEY #

Question	Yes	No	Comments
Well identification number clearly marked?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Well covers and locks in good condition and secure?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Is the concrete pad and surface seal in good condition?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Are soils surrounding the well pad eroded?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Is there standing water in the flush mount?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Is the PVC well casing in good condition?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Is the measuring point on PVC casing well marked?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Does DTB sounded correspond with original well completion DTB?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	

Well coordinates: \_\_\_\_\_

Others: instructions to find well, missing bolts (size), need retaping, other repair: \_\_\_\_\_





# Groundwater Development, Monitoring & Sampling Form

ESPA-305

WELL I.D.

CPMWO3

Client

Rev. 2.1

Jan 2014

Project #

Site

Field Pers WK, JH

Date 3/21/24

Time 1325

Temp

Sample ID CPMWO3

Weather sunny Part.Cldy - OverCast - fog - Rain - Snow (circle)

Wind (vel/dir)

CASING DIAMETER (1 casing vol (gal/linear ft) 1" (0.04) 2" (0.17) 3" (0.37) 4" (0.65) 5" (1.02) 6" (1.47) 6.5" (1.7) 8" (2.61) 10" (4.10) .....)

Well Material PVC  Iron  SS  Other

Stick up  Flush Mount

PLEASE CIRCLE WELL DIAMETER

DEPTH TO BOTTOM (feet) = 16.79

CASING VOLUME (gal) =

DEPTH TO PRODUCT (feet) =

CALCULATED PURGE VOL (gal) = (PARAMETERS)

DEPTH TO WATER (feet) = 8.60

ACTUAL PURGE VOL (gal) = 5.75

WATER COLUMN HEIGHT (feet) =

PID UPON OPENING WELL (ppm) =

PARAMETERS (ORIBA)

TIME (2400hr)	VOL (gal)	DTW (ft)	pH (no units)	CONDUCT. (mmhos/cm)	TURBID. (Vis/NTU)	DO (%)	TEMP. (°C)	ORP (mg/L)	COLOR (visual)	COMMENTS / OTHERS (Fe, TDS, ...)

(SEE REVERSE)

Stabilization is project specific or complete when 3 successive readings are within the following limits: pH ± 0.1, Cond. ± 5%, Temp. ± 0.5%, Turb. ± 10%

Development / Purging

DATE PURGED 3/21/24 START (2400hr) 1325 END (2400hr) 1358

SEDIMENT THICKNESS (start) \_\_\_\_\_ SEDIMENT THICKNESS (end) \_\_\_\_\_ (original water column)

Bladder Pump Bailer (Teflon) Calcul of max draw down at time of sampling: ..... X0.8=

Centrifugal Pump Bailer (PVC) Disposal method

Submersible Pump Bailer (Stainless Steel)

Peristaltic Pump Dedicated / Disposable

Pump/Tubing Depth (ft)

Other eq. (purge block, air lifting, ...) (Identify analytes sampled with which equipment)

SAMPLE INFORMATION AT TIME OF SAMPLING

DATE SAMPLED 3/21/24 SAMPLE TIME (2400hr) 1425

SAMPLE TYPE Groundwater  Surface Water  Treatment INF  EFF  Other

DEPTH AT WHICH SAMPLE TAKEN \_\_\_\_\_ DRAW DOWN LESS THAN \_\_\_\_\_ % OF INITIAL WL DTW at sample time \_\_\_\_\_

COLOR CLEAR, COLOUSS ODOR Faint  Medium  Strong  NATURE OF ODOR NONE SHEEN Y  N

ANALYSIS VOC PAH PCRA PFAS CRIC

PRESERVATIVE MeOH \_\_\_\_\_ NITRIC \_\_\_\_\_

CONTAINER TYPE AND CONTENTANCE 40mL 250mL 250mL 250mL 250mL

# OF CONT. 3 2 1 2 1

FILTERED (Y/N) N N Y N Y

QA/QC \_\_\_\_\_

NOTES (incl. deviation from plan)

WELL INTEGRITY

LOCK KEY #	Yes	No	Comments
Well identification number clearly marked?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Well covers and locks in good condition and secure?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Is the concrete pad and surface seal in good condition?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Are soils surrounding the well pad eroded?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Is there standing water in the flush mount?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Is the PVC well casing in good condition?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Is the measuring point on PVC casing well marked?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Does DTB sound correspond with original well completion DTB?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	

Well coordinates:

Others: instructions to find well, missing bolts (size), need retaping, other repair:







# Groundwater Development, Monitoring & Sampling Form

ESPA-305

WELL I.D. CPMWD04A

Client

Rev. 2.1

Jan 2014

Project #

Site

Field Pers WJ, JH

Date 3/21/24

Time 1040

Temp

Sample ID CPMWD04A

Weather sunny - Part.Cldy - OverCast - fog - Rain - Snow (circle)

Wind (vel/dir)

CASING DIAMETER (1 casing vol (gal/linear ft) 1" (0.04) 2" (0.17) 3" (0.37) 4" (0.65) 5" (1.02) 6" (1.47) 6.5" (1.7) 8" (2.61) 10" (4.10) .....)

Well Material PVC  Iron  SS  Other

Stick up  Flush Mount

PLEASE CIRCLE WELL DIAMETER

DEPTH TO BOTTOM (feet) = 16.67

CASING VOLUME (gal) =

DEPTH TO PRODUCT (feet) =

CALCULATED PURGE VOL (gal) = (PARAMETERS)

DEPTH TO WATER (feet) = 7.09

ACTUAL PURGE VOL (gal) = 6.0

WATER COLUMN HEIGHT (feet) =

PID UPON OPENING WELL (ppm) =

PARAMETERS (YORIBA)

TIME (2400hr)	VOL (gal)	DTW (ft)	pH (no units)	CONDUCT. (mmhos/cm)	TURBID. (Vis/NTU)	DO (%)	TEMP. (°C)	ORP (mg/L)	COLOR (visual)	COMMENTS / OTHERS (Fe, TDS, ...)
					(SEE BELOW)					

Stabilization is project specific or complete when 3 successive readings are within the following limits: pH ± 0.1, Cond. ± 5%, Temp. ± 0.5%, Turb. ± 10%

Development / Purging

DATE PURGED 1040 START (2400hr) 1040 END (2400hr) 1127

SEDIMENT THICKNESS (start) - SEDIMENT THICKNESS (end) - (original water column)

Bladder Pump Bailer (Teflon) Calcul of max draw down at time of sampling: ..... X0.8=

Centrifugal Pump Bailer (PVC) Disposal method

Submersible Pump Bailer (Stainless Steel)

Peristaltic Pump Dedicated / Disposable

Pump/Tubing Depth (ft)

Other equip. (purge block, a lifting ...)

Identify analytes sampled with which equipment)

SAMPLE INFORMATION AT TIME OF SAMPLING

DATE SAMPLED 3/21/24 SAMPLE TIME (2400hr) 1145

SAMPLE TYPE Groundwater  Surface Water  Treatment INF  EFF  Other

DEPTH AT WHICH SAMPLE TAKEN DRAW DOWN LESS THAN \_\_\_\_ % OF INITIAL WL DTW at sample time

COLOR CLEAR, COLORLESS ODOR Faint  Medium  Strong  NATURE OF ODOR NONE SHEEN Y  N

ANALYSIS VOX PAH RURA PFAS

PRESERVATIVE MeOH - NITRIC -

CONTAINER TYPE AND CONTENTANCE 10 mL GLASS 250 mL AMBER 250 mL HDPE 250 mL HDPE

# OF CONT. 3 2 1 2

FILTERED (Y/N) N N Y N

QA/QC - - - -

NOTES (incl. deviation from plan)

WELL INTEGRITY

LOCK KEY #	Yes	No	Comments
Well identification number clearly marked?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Well covers and locks in good condition and secure?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Is the concrete pad and surface seal in good condition?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Are soils surrounding the well pad eroded?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Is there standing water in the flush mount?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Is the PVC well casing in good condition?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Is the measuring point on PVC casing well marked?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Does DTB sounded correspond with original well completion DTB?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Well coordinates:			
Others: instructions to find well, missing bolts (size), need retaping, other repair:			



Stantec		Groundwater Development, Monitoring & Sampling Form				ESPA-305						
WELL I.D. <u>CPPZ104</u>		Client _____		Rev. 2.1		Jan 2014						
Project # _____		Site _____										
Field Pers <u>WC, JH</u>		Date <u>3/21/24</u>		Time <u>1118</u>		Temp _____						
Sample ID <u>CPPZ104</u>		Weather <u>Partly - Partly - Overcast - fog - Rain - Snow</u> (circle)				Wind (vel/dir) _____						
CASING DIAMETER (1 casing vol (gal/linear ft) 1" (0.04) 2" (0.17) 3" (0.37) 4" (0.65) 5" (1.02) 6" (1.47) 6.5" (1.7) 8" (2.61) 10" (4.10) .....)												
Well Material PVC <input checked="" type="checkbox"/> Iron <input type="checkbox"/> SS <input type="checkbox"/> Other _____		Stick up <input checked="" type="checkbox"/> Flush Mount <input type="checkbox"/>		PLEASE CIRCLE WELL DIAMETER								
DEPTH TO BOTTOM (feet) = <u>33.61</u>		CASING VOLUME (gal) = <u>18.5</u>										
DEPTH TO PRODUCT (feet) = _____		CALCULATED PURGE VOL (gal) = <u>18.8</u>										
DEPTH TO WATER (feet) = <u>6.69</u>		ACTUAL PURGE VOL (gal) = <u>5.5g (204)</u>										
WATER COLUMN HEIGHT (feet) = _____		PID UPON OPENING WELL (ppm) = _____										
PARAMETERS (YORIBA)	TIME (2400hr)	VOL. (gal)	DTW (ft)	pH (no units)	CONDUCT. (mmhos/cm)	TURBID. (Vis/NTU)	DO (%)	TEMP. (°C)	ORP (mg/L)	COLOR (visual)	COMMENTS / OTHERS (Fe, TDS, ...)	
	_____	_____	_____	_____	_____	<u>N/A</u>	_____	<u>(204)</u>	_____	_____	_____	
	_____	_____	_____	_____	_____	_____	_____	_____	_____	_____	_____	
	_____	_____	_____	_____	_____	_____	_____	_____	_____	_____	_____	
Stabilization is project specific or complete when 3 successive readings are within the following limits: pH ± 0.1, Cond. ± 5%, Temp. ± 0.5%, Turb. ± 10%												
Development / Purging	DATE PURGED <u>3/21/24</u>		START (2400hr) <u>1118</u>		END (2400hr) <u>1122</u>							
	SEDIMENT THICKNESS (start) _____				SEDIMENT THICKNESS (end) _____				[original water column]			
	Bladder Pump _____		Bailer (Teflon) _____		Calcul of max draw down at time of sampling: ..... X0.8=							
Centrifugal Pump _____		Bailer (PVC) <u>SAMPLE</u>		Disposal method _____								
Submersible Pump <u>PURGE</u>		Bailer (Stainless Steel) _____										
Peristaltic Pump _____		Dedicated / Disposable _____										
Pump/Tubing Depth (ft) _____												
Other eq. (surge pack, air lifting, ...)		Identify analytes sampled with which equipment										
SAMPLE INFORMATION AT TIME OF SAMPLING	DATE SAMPLED <u>3/21/24</u>		SAMPLE TIME (2400hr) <u>1230</u>									
	SAMPLE TYPE Groundwater <input checked="" type="checkbox"/> Surface Water <input type="checkbox"/> Treatment INF <input type="checkbox"/> EFF <input type="checkbox"/> Other _____											
	DEPTH AT WHICH SAMPLE TAKEN _____		DRAW DOWN LESS THAN _____ % OF INITIAL WL		DTW at sample time _____							
	COLOR <u>CLEAR/COLORLESS</u>		ODOR Faint <input type="checkbox"/> Medium <input type="checkbox"/> Strong <input type="checkbox"/>		NATURE OF ODOR <u>NONE</u>		SHEEN Y <input type="checkbox"/> N <input checked="" type="checkbox"/>					
	ANALYSIS		<u>VOC</u>		<u>PAH</u>		<u>PCPA</u>		<u>PFAS</u>			
	PRESERVATIVE		<u>10 mL GLASS</u>		<u>250 mL AMBER</u>		<u>250 mL W/PE</u>		<u>250 mL AMBER</u>			
	CONTAINER TYPE AND CONTENTANCE		<u>MPBH</u>		_____		<u>NITRIC</u>		_____			
	# OF CONT.		<u>3</u>		<u>2</u>		<u>1</u>		<u>2</u>			
	FILTERED (Y/N)		<u>N</u>		<u>N</u>		<u>Y</u>		<u>N</u>			
	QA/QC		_____		_____		_____		_____			
NOTES (incl. deviation from plan)												
WELL INTEGRITY	LOCK KEY #		Yes		No		Comments					
	Well identification number clearly marked?		<input checked="" type="checkbox"/>		<input type="checkbox"/>		_____					
	Well covers and locks in good condition and secure?		<input checked="" type="checkbox"/>		<input type="checkbox"/>		_____					
	Is the concrete pad and surface seal in good condition?		<input checked="" type="checkbox"/>		<input type="checkbox"/>		_____					
	Are soils surrounding the well pad eroded?		<input type="checkbox"/>		<input checked="" type="checkbox"/>		_____					
	Is there standing water in the flush mount?		<input type="checkbox"/>		<input checked="" type="checkbox"/>		_____					
	Is the PVC well casing in good condition?		<input checked="" type="checkbox"/>		<input type="checkbox"/>		_____					
	Is the measuring point on PVC casing well marked?		<input checked="" type="checkbox"/>		<input type="checkbox"/>		_____					
	Does DTB sounded correspond with original well completion DTB?		<input checked="" type="checkbox"/>		<input type="checkbox"/>		_____					
	Well coordinates:		_____									
Others: instructions to find well, missing bolts (size), need retaping, other repair:												

THIS INFORMATION FOR AUTHORIZED COMPANY USE ONLY



<b>Stantec</b>		<b>Groundwater Development, Monitoring &amp; Sampling Form</b>				<b>ESPA-305</b>					
		WELL I.D. <u>CPP2105</u>		Client _____		Rev. 2.1	Jan 2014				
Field Pers <u>WC, JH</u>		Date <u>3/21/24</u>		Time <u>1042</u>		Temp _____					
Sample ID <u>CPP2105</u>		Weather <u>sunny</u> (Part. Cloud - OverCast - fog - Rain - Snow (circle))				Wind (vel/dir) _____					
CASING DIAMETER (1 casing vol (gal/linear ft) 1" (0.04) 2" (0.17) <u>3" (0.37)</u> 4" (0.65) 5" (1.02) 6" (1.47) 6.5" (1.7) 8" (2.61) 10" (4.10) ..... (.....)											
Well Material PVC <input checked="" type="checkbox"/> Iron <input type="checkbox"/> SS <input type="checkbox"/> Other <input type="checkbox"/>		Stick up <input checked="" type="checkbox"/> Flush Mount <input type="checkbox"/>		PLEASE CIRCLE WELL DIAMETER							
DEPTH TO BOTTOM (feet) = <u>74.96</u>		CASING VOLUME (gal) = _____									
DEPTH TO PRODUCT (feet) = _____		CALCULATED PURGE VOL (gal) = <u>(21.0)</u>									
DEPTH TO WATER (feet) = <u>6.77</u>		ACTUAL PURGE VOL (gal) = <u>21.0</u>									
WATER COLUMN HEIGHT (feet) = _____		PID UPON OPENING WELL (ppm) = _____									
PARAMETERS (YORIBA)	TIME (2400hr)	VOL. (gal)	DTW (ft)	pH (no units)	CONDUCT. (mmhos/cm)	TURBID. (Vis/NTU)	DO (%)	TEMP. (°C)	ORP (mg/L)	COLOR (visual)	COMMENTS / OTHERS (Fe, TDS, ...)
	<u>(SEE REVERSE)</u>										
	Stabilization is project specific or complete when 3 successive readings are within the following limits: pH ± 0.1, Cond. ± 5%, Temp. ± 0.5%, Turb. ± 10%										
Development / Purging	DATE PURGED <u>3/21/24</u>		START (2400hr) <u>1042</u>	END (2400hr) <u>1102</u>							
	SEDIMENT THICKNESS (start) _____			SEDIMENT THICKNESS (end) _____ (original water column)							
	Bladder Pump		Bailer (Teflon)		Calcul of max draw down at time of sampling: ..... X0.8=						
	Centrifugal Pump		Bailer (PVC) <u>SAMPLE</u>		Disposal method _____						
Submersible Pump <u>PURGE</u>		Bailer (Stainless Steel)									
Peristaltic Pump		Dedicated / Disposable									
Pump/Tubing Depth (ft) _____											
<small>Identify analytes sampled with which equipment</small>											
SAMPLE INFORMATION AT TIME OF SAMPLING	DATE SAMPLED <u>3/21/24</u>		SAMPLE TIME (2400hr) <u>1135</u>								
	SAMPLE TYPE Groundwater <input checked="" type="checkbox"/> Surface Water <input type="checkbox"/> Treatment INF <input type="checkbox"/> EFF <input type="checkbox"/> Other _____										
	DEPTH AT WHICH SAMPLE TAKEN _____		DRAW DOWN LESS THAN _____ % OF INITIAL WL				DTW at sample time _____				
	COLOR <u>CLEAR, COLORLESS</u>		ODOR Faint <input type="checkbox"/> Medium <input type="checkbox"/> Strong <input type="checkbox"/>		NATURE OF ODOR <u>NONE</u>			SHEEN Y <input type="checkbox"/> N <input checked="" type="checkbox"/>			
	ANALYSIS <u>VOC PAH RORA PFAS</u>										
	PRESERVATIVE <u>MOOH</u>										
	CONTAINER TYPE AND CONTENTANCE <u>40ML GLASS 250ML AMBER 250ML HDPE 250ML HDPE</u>										
	# OF CONT. <u>3 2 1 2</u>										
	FILTERED (Y/N) <u>N N Y N</u>										
	QA/QC _____										
NOTES (incl. deviation from plan)											
WELL INTEGRITY	LOCK KEY #		Yes No		Comments						
	Well identification number clearly marked?		<input checked="" type="checkbox"/> <input type="checkbox"/>								
	Well covers and locks in good condition and secure?		<input checked="" type="checkbox"/> <input type="checkbox"/>								
	Is the concrete pad and surface seal in good condition?		<input checked="" type="checkbox"/> <input type="checkbox"/>								
	Are soils surrounding the well pad eroded?		<input type="checkbox"/> <input checked="" type="checkbox"/>								
	Is there standing water in the flush mount?		<input type="checkbox"/> <input checked="" type="checkbox"/>								
	Is the PVC well casing in good condition?		<input checked="" type="checkbox"/> <input type="checkbox"/>								
	Is the measuring point on PVC casing well marked?		<input checked="" type="checkbox"/> <input type="checkbox"/>								
	Does DTB sounded correspond with original well completion DTB?		<input checked="" type="checkbox"/> <input type="checkbox"/>								
	Well coordinates: _____										
Others: instructions to find well, missing bolts (size), need retaping, other repair: _____											

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<b>Stantec</b>		<b>Groundwater Development, Monitoring &amp; Sampling Form</b>				<b>ESPA-305</b>						
		WELL I.D. <u>GSMW103</u>		Client _____		Rev. 2.1	Jan 2014					
Field Pers <u>WC, JH</u>		Date <u>3/21/24</u>		Time <u>0931</u>		Temp <u>25K</u>						
Sample ID <u>GSMW103</u>		Weather <u>sunny</u> Part.Cldy - OverCast - fog - Rain - Snow (circle)				Wind (vel/dir) _____						
CASING DIAMETER (1 casing vol (gal/linear ft) 1" (0.04) 2" (0.17) 3" (0.37) 4" (0.65) 5" (1.02) 6" (1.47) 6.5" (1.7) 8" (2.61) 10" (4.10) .....)												
Well Material PVC <input checked="" type="checkbox"/> Iron <input type="checkbox"/> SS <input type="checkbox"/> Other _____		Stick up <input checked="" type="checkbox"/> Flush Mount <input type="checkbox"/>		PLEASE CIRCLE WELL DIAMETER								
DEPTH TO BOTTOM (feet) = <u>1801</u>		CASING VOLUME (gal) = _____		DEPTH TO PRODUCT (feet) = _____								
DEPTH TO WATER (feet) = <u>7.87</u>		CALCULATED PURGE VOL (gal) = <u>(PARAMETERS)</u>		ACTUAL PURGE VOL (gal) = <u>6.0</u>								
WATER COLUMN HEIGHT (feet) = _____		PID UPON OPENING WELL (ppm) = _____										
PARAMETERS (YORIBA)	TIME (2400hr)	VOL. (gal)	DTW (ft)	pH (no units)	CONDUCT. (mmhos/cm)	TURBID. (Vis/NTU)	DO (%)	TEMP. (°C)	ORP (mg/L)	COLOR (visual)	COMMENTS / OTHERS (Fe, TDS, ...)	
	<u>SE</u>											
					<u>(SEE REVERSE)</u>							
Stabilization is project specific or complete when 3 successive readings are within the following limits: pH ± 0.1, Cond. ± 5%, Temp. ± 0.5%, Turb. ± 10%												
Development / Purging	DATE PURGED <u>3/21/24</u>		START (2400hr) <u>0820</u>	END (2400hr) <u>0934</u>								
	SEDIMENT THICKNESS (start) _____			SEDIMENT THICKNESS (end) _____			(original water column)					
	Bladder Pump		Bailer (Teflon)		Calcul of max draw down at time of sampling: ..... X0.8=							
	Centrifugal Pump		Bailer (PVC)		Disposal method _____							
Submersible Pump		Bailer (Stainless Steel)										
Peristaltic Pump		Dedicated / Disposable										
Pump/Tubing Depth (ft) _____												
<small>Other equ. (urge back, air lifting ...)</small>		<small>(Identify analytes sampled with which equipment)</small>										
SAMPLE INFORMATION AT TIME OF SAMPLING	DATE SAMPLED <u>3/21/24</u>		SAMPLE TIME (2400hr) <u>0945</u>									
	SAMPLE TYPE Groundwater <input checked="" type="checkbox"/> Surface Water <input type="checkbox"/> Treatment INF <input type="checkbox"/> EFF <input type="checkbox"/> Other _____											
	DEPTH AT WHICH SAMPLE TAKEN _____		DRAW DOWN LESS THAN _____ % OF INITIAL WL		DTW at sample time _____							
	COLOR <u>CLEAR COLORLESS</u>		ODOR Faint <input type="checkbox"/> Medium <input type="checkbox"/> Strong <input type="checkbox"/>		NATURE OF ODOR <u>NONE</u>		SHEEN Y <input type="checkbox"/> N <input checked="" type="checkbox"/>					
	ANALYSIS <u>VOX</u> <u>RSCA</u> <u>PAM</u> <u>PFAS</u>											
	PRESERVATIVE <u>MeOH</u> <u>NITRIC</u>											
	CONTAINER TYPE AND CONTENANCE <u>40 mL GLASS</u> <u>250 mL HDPE</u> <u>250 mL AMSCB</u> <u>250 mL HDPE</u>											
	# OF CONT. <u>3</u> <u>1</u> <u>2</u> <u>2</u>											
	FILTERED (Y/N) <u>N</u> <u>Y</u> <u>N</u> <u>N</u>											
	QA/QC <u>N</u> <u>N</u> <u>N</u> <u>Y</u>											
NOTES (incl. deviation from plan) <u>EB1</u>												
WELL INTEGRITY	LOCK KEY # _____		Yes No		Comments							
	Well identification number clearly marked?		<input checked="" type="checkbox"/> <input type="checkbox"/>		_____							
	Well covers and locks in good condition and secure?		<input checked="" type="checkbox"/> <input type="checkbox"/>		_____							
	Is the concrete pad and surface seal in good condition?		<input checked="" type="checkbox"/> <input type="checkbox"/>		_____							
	Are soils surrounding the well pad eroded?		<input type="checkbox"/> <input checked="" type="checkbox"/>		_____							
	Is there standing water in the flush mount?		<input type="checkbox"/> <input checked="" type="checkbox"/>		_____							
	Is the PVC well casing in good condition?		<input checked="" type="checkbox"/> <input type="checkbox"/>		_____							
	Is the measuring point on PVC casing well marked?		<input checked="" type="checkbox"/> <input type="checkbox"/>		_____							
	Does DTB sounded correspond with original well completion DTB?		<input checked="" type="checkbox"/> <input type="checkbox"/>		_____							
	Well coordinates: _____											
Others: instructions to find well, missing bolts (size), need retaping, other repair: _____												

THIS INFORMATION FOR AUTHORIZED COMPANY USE ONLY







# Groundwater Development, Monitoring & Sampling Form

ESPA-305

WELL I.D. GS PZ 103

Client \_\_\_\_\_  
Project # \_\_\_\_\_

Rev. 2.1 Jan 2014  
Site \_\_\_\_\_

Field Pers WC, TH Date 3/21/24 Time 0913 Temp 25°F

Sample ID GS PZ 103 Weather sunny - Part. Clay - OverCast - fog - Rain - Snow (circle) Wind (vel/dir) \_\_\_\_\_

CASING DIAMETER (1 casing vol (gal/linear ft) 1" (0.04) 2" (0.17) 3" (0.37) 4" (0.65) 5" (1.02) 6" (1.47) 6.5" (1.7) 8" (2.61) 10" (4.10) ..... (.....))

Well Material PVC  Iron  SS  Other \_\_\_\_\_ Stick up  Flush Mount  PLEASE CIRCLE WELL DIAMETER

DEPTH TO BOTTOM (feet) = 72.61 CASING VOLUME (gal) = \_\_\_\_\_

DEPTH TO PRODUCT (feet) = \_\_\_\_\_ CALCULATED PURGE VOL (gal) = \_\_\_\_\_ (PARAMETERS)

DEPTH TO WATER (feet) = 6.73 ACTUAL PURGE VOL (gal) = 19g

WATER COLUMN HEIGHT (feet) = \_\_\_\_\_ PID UPON OPENING WELL (ppm) = \_\_\_\_\_

PARAMETERS (YORIBA)	TIME (2400hr)	VOL. (gal)	DTW (ft)	pH (no units)	CONDUCT. (mmhos/cm)	TURBID. (Vis/NTU)	DO (%)	TEMP. (°C)	ORP (mg/L)	COLOR (visual)	COMMENTS / OTHERS (Fe, TDS, ...)
											(SEE REVERSE)

Stabilization is project specific or complete when 3 successive readings are within the following limits: pH ± 0.1, Cond. ± 5%, Temp. ± 0.5%, Turb. ± 10%

DATE PURGED 3/21/24 START (2400hr) 0818 END (2400hr) 0918

SEDIMENT THICKNESS (start) \_\_\_\_\_ SEDIMENT THICKNESS (end) \_\_\_\_\_ (original water column)

Bladder Pump \_\_\_\_\_ Bailer (Teflon) \_\_\_\_\_ Calcul of max draw down at time of sampling: ..... X0.8= \_\_\_\_\_  
 Centrifugal Pump \_\_\_\_\_ Bailer (PVC) (SAMPLE) \_\_\_\_\_ Disposal method \_\_\_\_\_  
 Submersible Pump (Purge) \_\_\_\_\_ Bailer (Stainless Steel) \_\_\_\_\_  
 Peristaltic Pump \_\_\_\_\_ Dedicated / Disposable \_\_\_\_\_

Pump/Tubing Depth (ft) \_\_\_\_\_  
(Other eq., (surge block, or filling...)) (Identify analytes sampled with which equipment)

DATE SAMPLED 3/21/24 SAMPLE TIME (2400hr) 0955

SAMPLE TYPE Groundwater  Surface Water  Treatment INF  EFF  Other \_\_\_\_\_

DEPTH AT WHICH SAMPLE TAKEN \_\_\_\_\_ DRAW DOWN LESS THAN \_\_\_\_\_ % OF INITIAL WL DTW at sample time \_\_\_\_\_

COLOR CLEAR w/ 10SS ODOR Faint  Medium  Strong  NATURE OF ODOR NONE SHEEN Y  N

ANALYSIS VOL ROA PAH PFAS

PRESERVATIVE MCH NITRIC \_\_\_\_\_

CONTAINER TYPE AND CONTENANCE 40 mL GLASS 250 mL HDPE 250 mL AMSL 250 mL HDPE

# OF CONT. 3 1 2 2

FILTERED (Y/N) N Y N N

QA/QC N N N N

NOTES (incl. deviation from plan)

WELL INTEGRITY	LOCK KEY #	Yes	No	Comments
	Well identification number clearly marked?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
	Well covers and locks in good condition and secure?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
	Is the concrete pad and surface seal in good condition?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
	Are soils surrounding the well pad eroded?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
	Is there standing water in the flush mount?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
	Is the PVC well casing in good condition?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
	Is the measuring point on PVC casing well marked?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
	Does DTB sounded correspond with original well completion DTB?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	

Well coordinates: \_\_\_\_\_  
 Others: instructions to find well, missing bolts (size), need retaping, other repair: \_\_\_\_\_

