

Cleanup Action Report

1215 2nd Avenue North and 1208 4th Avenue North, Kent, Washington

PCC Aerostructures, Inc.

January 26, 2022

→ The Power of Commitment

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Your ref: NW2843 Our ref: 11218504

January 26, 2022

Grant Yang State of Washington Department of Ecology Northwest Regional Office 3190 160th Avenue SE Bellevue, Washington 98008-5452

Cleanup Action Report

Dear Mr. Yang

Please find the enclosed Cleanup Action Report for your review and opinion. Should you have questions or would like to discuss the contents of this report, please contact Brian Peters at (425) 563.6506 or brian.peters@ghd.com.

Regards

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Introduction 1.

Site Information 1.1

Site Name: Protective Coatings, Inc. Site Address: 1215 2nd Avenue North and 1208 4th Avenue North Kent. Washington NW2843 Voluntary Cleanup Program Number: Project Consultant: GHD Services, Inc. Project Consultant Contact Information: **Brian Peters** 9725 3rd Avenue Northeast Seattle, Washington, 98115 Office - 425.563.6500 Direct - 425.563.6506 PCC Aerostructures/Protective Coatings, Inc.

Current Owner/Operator:

1.2 **Purpose**

GHD Services Inc. (GHD) prepared this Cleanup Action Report (CAR) on behalf of PCC Aerostructures, Inc. (PCC) for the Protective Coatings Facility located at 1215 2nd Avenue North and 1208 4th Avenue North, Kent, King County, Washington (Property, Figure 1). This CAR was prepared to satisfy the requirements of the Washington Administrative Code (WAC) 173 340-350 and summarizes remedial investigation (RI) and interim action findings for the Property. A list of documents reviewed in preparation of this report is included in Appendix A.

2. Site Identification and Description

2.1 Site Discovery and Regulatory Status

A chemical release impacting soil and groundwater was reported to Ecology on March 28, 2014, and the site was listed with Washington State Department of Ecology's (Ecology) Toxics Cleanup Program (Cleanup Site ID #12337). The Property was entered into Ecology's Voluntary Cleanup Program (VCP) on March 28, 2014 and issued site number NW2843. The current status of the site with Ecology is "Cleanup Started" as of March 2014.

The MTCA site (Site) is defined as all current and historically affected areas from the release associated with the Property and any potentially impacted adjacent parcels. The Site boundary is presented on Figure 2. The Site boundary is dashed where inferred. A chronological summary of the environmental work completed at the Property is included in Appendix A.

2.2 Property and Site Use/Location/Definition

The Property is located in the north central portion of Kent, Washington, northwest of Highway 167 and covers an area of approximately 4.3 acres of level land. The Property consists of King County tax parcel numbers 383090-0320 and 383090-0380. Currently, the Property is used as a is used for industrial purposes as a metals plating facility. Land use and zoning in the vicinity of the Property is industrial.

The Property layout is shown on Figure 2. Facilities consist of two large production floors, one packaging/shipping warehouse, one general use warehouse, and an outdoor wastewater treatment and chemical storage area.

2.3 Neighborhood Setting and Zoning

The Property is zoned as General Industrial. Land use in the vicinity of the Property is zoned industrial to the north, east, and west; to the south across Highway 167, land is zoned primarily light industrial and commercial. Immediately adjacent properties consist of the following:

- North/northwest: The Property is bounded to the north by Hermanson Corporation, and to the northwest, by Sicklesteel Crane, Inc.
- West: The Property is bounded to the west by Buyken Metal Products and 4th Avenue North.
- South and east: The Property is bounded to the south and east by Rexam Beverage

2.4 Utilities and Water Supply

The location of subsurface utilities which were identified by public locators through One Call and by private locator on- and off-Property is provided on Figure 2. The areas surveyed included the west side of the Packaging building and the west side of the Production Floor (1) in and between the chemical bunkers. Additional utilities may be present on the east side of the Property.

Subsurface natural gas, electrical and telephone/communications utilities are present running east-west between 4th Avenue North and the Packaging building. Subsurface electrical was also identified running east-west between the southernmost chemical bunker adjacent to SB-5 and the Production Floor (1). A 12-inch sanitary sewer line is present within 2nd Avenue North and is operated by the City of Kent; a 30-inch sanitary sewer main is located within 4th Avenue North, flowing north, and is operated by King County. GHD was not able to locate sanitary sewer utilities within the Property boundaries, however, based on information provided by PCC, sanitary sewer lines exit the Production Floor (1) building in the north and south ends and connect to the sanitary sewer line within 2nd Avenue North.

Stormwater catch basins are located throughout the Property and connect to municipal stormwater lines located within 4th Avenue North and 2nd Avenue North. The western portion of the Property appears to drain to 4th Avenue North, while the central and eastern portion of the Property drains to 2nd Avenue North. The facility has a Stormwater Pollution Prevention Plan in place to prevent unauthorized discharge to stormwater utilities. A floor drain and sump are located in each of the chemical bunkers; the sumps are inspected routinely and pumped out as needed. The depth of the on-Property utilities is unknown, however, they are likely no deeper than 5 to 8 feet bgs. Based on the depth to water beneath the Property and the location of subsurface utilities, it is unlikely that any utility trenches act as preferential pathways for contaminant migration in groundwater.

Drinking water for the City of Kent is currently provided by 16 wells, 2 springs, and an intertie connection with the City of Tacoma (Tacoma). All City sources are chlorinated and fluoridated. The 208th Street/212th Street Wellfield is also treated for manganese, iron, and hydrogen sulfide removal. Water from the 208th Street/212th Street Wellfield, Armstrong Springs Wells, Clark Springs, East Hill Well, Kent Springs, Seven Oaks Well, and the Tacoma intertie are treated for pH adjustment. Water from the Tacoma intertie also receives filtration and ozone treatment in Tacoma's system. The City is a partner with Tacoma, Lakehaven Water and Sewer District, and Covington Water District on the Second Supply Pipeline source. Water storage is provided by 9 reservoirs that have a total capacity of approximately 24.9 million gallons.

2.5 Past Property Uses and Facilities

Based on a review of historical reports, county assessor records, historical aerial photographs, and Ecology's UST database, the following past Property uses and facilities were determined:

1208 4th Avenue North (Parcel No. 383090-0320)

- Prior to 1993: Owner: William and Dorothy Sparr
- 1993-1999: Owner: Keck Family Trust/Hunter Keck, Jr.

- Sometime prior to 1996: Two underground fuel storage tanks (USTs) were installed. The content of one UST was gasoline and the content of the second UST is not reported.¹.
- 1996: The Site is reportedly occupied by Lusk Metals Northwest, Inc. The two USTs were decommissioned by removal. It is unknown whether samples were collected in conjunction with UST removal or whether a report documenting the UST removal was prepared.
- 1999-2008: Owner: Keck Enterprises, LP. Castle Metals was reportedly a hazardous waste generator periodically between 2000 and 2007.
- 2008-2012: Owner: Kent II Properties
- 2012-Present: Owner: Protective Coatings, Inc.
- Prior to the occupancy by Protective Coatings, Inc, 1208 4th Avenue North was historically occupied by Lusk Metals Northwest, Inc and Castle Metals. The exact years and period of occupancy is not known.

1215 2nd Avenue North (Parcel No. 383090-0380)

1980-Present: Protective Coatings was reportedly a hazardous waste generator; it is uncertain whether Protective Coatings operated on the Property during this entire duration.

Prior to 1993: Owner: James and Frances Conley 1993-2007: Owner: Arthur L. Kleppen, Jr./SDC & K et al./Stephen H Rowe

2007-2012: Owner: Kent Real Properties, LLC

2012-Present: Owner: Protective Coatings, Inc.

Prior to the occupancy by Protective Coatings, Inc, the occupancy of 1215 2nd Avenue North is unknown. In addition, the exact years and period of occupancy is unknown.

2.6 **Potential Off-Property Sources of Contamination**

Ecology's Facility Site Search Database identified the following properties within a 0.5-mile radius of the subject Property which may be a potential off-Property source of contamination.

<u>Upgradient properties</u>: There are five upgradient properties within 0.5 mile of the subject Property, details of each property are provided below.

- WC Frost Equipment Co (Ecology Facility ID 3593372, 8005 S 222nd Street): This property is listed as having had three USTs: two used oil/waste oil USTs (110-1100 gallons) and one diesel UST (2,000-5,000 gallons). The USTs were installed in 1964 and decommissioned by removal in 1996. This property is 0.49 mile upgradient of the subject Property. It is unlikely that this property presents a source of contamination to the Site.
- Midway Equipment (Ecology Facility ID 15446222, 1408 North Central Avenue): This property is listed as having had one UST with either gas or diesel; the UST size is not reported. The UST was installed in 1982 and decommissioned by removal in 1996. A release of petroleum products was reported in November 1998; contamination was confirmed in the soil and groundwater as exceeding MTCA Method A cleanup levels. The property entered into the leaking underground storage tank (LUST) program in 1994 and entered the VCP program in 2000. The property was issued a No Further Action determination by Ecology on June 14, 2000. The property is 0.47 mile upgradient of the subject Property. It is unlikely that this property presents a source of contamination to the Site.
- Hermanson Company LLP (Ecology Facility ID 33668376, 1221 2nd Avenue North): This property is listed as having had one unleaded gasoline UST; the UST size is not reported. The UST was installed in 1964 and decommissioned by removal in 1996. This property is also listed as a hazardous waste generator from 1993 to

¹ Ecology's UST database indicates that the USTs were installed on December 31, 1964; however, this is a "placeholder" date. Based on aerial photographs, the Property was not developed until sometime between 1968 and 1980. Prior to development, the Property use and vicinity appeared to be agricultural.

2003. This property is 0.12 mile upgradient of the subject Property. It is unlikely that this property presents a source of contamination to the Site.

- Rexam Beverage Can Company (Ecology Facility ID 35918556, 1220 2nd Avenue North): This property is listed as having had two USTs: one 12,000-gallon used oil/waste oil UST and one 110 to 1,100-gallon exempt UST with undocumented contents. The 12,000-gallon UST was installed in 1978 and decommissioned by removal in 1996. The exempt UST was installed in 1964, the current status is not known. This property was a State Cleanup Site between 2002 and 2003 and entered the VCP program in 2003. The property has confirmed impacts of diesel and hexavalent chromium in soil and diesel and chlorinated volatile organic compounds in groundwater (Ecology Opinion Letter dated May 22, 2013). The current status of this property is Cleanup Started. This property is also listed as a Hazardous Waste Planner with Hazardous Waste Management Activity, stores Emergency Hazardous Chemicals-Tier 2 and, has a current Industrial Stormwater General Permit and Air Quality Permit. This property is 0.12 mile upgradient of the subject Property. This property may present a source of contamination to the Site.
- Weyerhaeuser Company (Ecology Facility ID 47898115, 7401 S 228th Street): This property is listed as having had one diesel UST of an undocumented size, installed in 1964 and decommissioned by removal in 1996. A release was reported in September 1991 and confirmed diesel concentrations were documented in the soil. The property was entered into the LUST program in 1991 and received a No Further Action determination by Ecology on October 3, 2011. This property is 0.5 mile upgradient of the subject Property. It is unlikely that this property presents a source of contamination to the Site.

<u>Crossgradient properties</u>: Due to their location, it is unlikely that these properties present a source of contamination to the Site.

- One property previously in the Independent Cleanup program; Ecology Facility ID 2364
- One property previously in the Independent Remedial Action Program; Ecology Facility ID 91165922.
- Eight properties which historically contained USTs; Ecology Facility IDs 4698623, 41845561, 41895695, 42743736, 47898115, 63921581, 72839277, and 94794685
- Four properties previously in the LUST program; Ecology Facility IDs 41895695, 47898115, 51253997, and 98969786.
- One property previously in the Voluntary Cleanup Program (VCP); Facility ID 95969786

<u>Downgradient properties</u>: Due to their location, it is unlikely that these properties present a source of contamination to the site.

- Two properties which currently have operational USTs; Ecology Facility IDs 24111545 and 62724719
- One property previously in the LUST program; Ecology Facility ID 24111545
- One property previously in the VCP program; Ecology Facility ID 2251

In addition, there are four properties located upgradient from the subject Property within 0.5 to 0.6 mile. Details of each property are provided below.

- Pressco Products (Ecology Facility ID 12115896, 22617 85th Place South): This property is listed as having had
 one unleaded gasoline UST with an undocumented capacity, installed in 1964 and decommissioned by removal in
 1996. Petroleum products were documented in soil. The property entered the VCP program in 1999 and received
 a No Further Action determination by Ecology on January 15, 2000. The property undergoes active O&M
 monitoring. This property is 0.53 mile up-gradient of the subject Property. It is unlikely that this property presents a
 source of contamination to the Site.
- JP Francis & Associates, Inc. (Ecology Facility ID 29417479, 8223 S 222nd Street): This property is listed as
 having had one unleaded gasoline UST with an undocumented capacity installed in 1964 and decommissioned by
 removal in 1996. A release was reported in 1994 and impacts of benzene, gasoline, and other petroleum products
 were remediated below cleanup levels. The property was subsequently entered into the LUST program and has
 since received a No Further Action determination by Ecology on October 3, 2011. Ecology's Facility Site Report
 indicates that the property is currently in the UST program (since March 2000); however, there is no information

documenting the current UST. The property is 0.56 mile up-gradient of the subject Property. It is unlikely that this property presents a source of contamination to the Site.

- Custom Hydraulic Machine, Inc (Ecology Facility ID 47158992, 22911 86th Avenue South): This property was a State Cleanup Site between 2006 and 2007 and has had confirmed concentrations of halogenated organics and metals in soil exceeding cleanup levels. Gasoline, diesel, other petroleum products, and polychlorinated biphenyls (PCBs) in soil, and non-halogenated solvents and PCBs in groundwater were remediated below cleanup levels. The property entered the VCP program several times and has since received a No Further Action determination by Ecology on December 3, 2013. The property was a hazardous waste generator from 1986 to 2006. The property is 0.51 mile up-gradient of the subject Property. This property may present a source of contamination to the Site; however, because concentrations were reportedly below cleanup levels at the time of closure, it is likely not contributing (or no longer contributing) to the release at the Site.
- Shell 120930 (Ecology Facility ID 55129449, 22588 84th Avenue South): This property has three operational unleaded gasoline USTs of 10,000-, 10,000-, and 12,000-gallon capacity, and one 10,000-gallon diesel UST; all the USTs were installed in 1988. In 2007 the property was entered into the LUST program. Benzene, diesel, gasoline, and other petroleum products in soil, and benzene, lead, diesel, gasoline, and other petroleum products in soil, and benzene, lead, diesel, gasoline, and other petroleum products in groundwater were remediated to below cleanup levels. The property was entered into the VCP program in 2008 and received a No Further Action determination from Ecology on December 13, 2012. The property has been involved with Hazardous Waste Management in 2006 to 2007 and 2010, was a hazardous waste generator in 1992-2004, and 2005 to 2006, and stored Emergency Hazardous Chemicals-Tier 2 from 1991 to an unspecified date. The property is 0.53 mile up-gradient of the subject Property. It is unlikely that this property presents a source of contamination to the Site.

3. Natural Conditions

3.1 Geology

The Property is situated within the Green River Valley. Subsurface geology is mapped as Quaternary Alluvium consisting of dune sand, loess, and artificial fill.

GHD interpreted Golder's field boring and well logs and drafted revised logs to better understand soil horizon thicknesses and boundaries, and to aid in creating geologic cross sections A-A' and B-B' (Figures 3 and 4, respectively). Soils were logged using the Unified Soil Classification System. Based on these interpretations, soil beneath the site is artificial fill and/or alluvium consisting of poorly graded sand and silty sand in the upper approximately 5 to 10 feet below ground surface (bgs); followed by interbedded sand and silt to the maximum explored depth of 30 feet bgs. Previous consultants logged much of the soil as clay; however, based on GHD's 2015 soil investigation, the intervals previously logged as clay are, in fact, silt. GHD's field interpretation was confirmed by a sieve analysis. Therefore, the cross sections provided as Figures 3 and 4 represent GHD's interpretation of the lithology. Boring logs are included as Appendix B.

3.2 Groundwater

The Property is located in the Green River Watershed. Water is supplied to the City of Kent primarily from wells located in the southeast portion of the city. In addition, the City of Kent is partnered with Tacoma Water, Covington Water District, and Lakehaven Water District, which all obtain water from the Green River.

The following is a summary of information obtained from the Ecology Well Log Database and King County Water and Land Services, Groundwater Well Viewer of potential water supply wells located within 0.5 mile of the Property. Available well logs are provided in Appendix B of GHD's August 6, 2015 *Remedial Investigation Report*.

A total of eight water supply wells are located within 0.5 mile of the Property. King County documents indicate that three of the wells are located upgradient of the Site to the northeast, and were completed to depths between 68 and 135 feet bgs. Three wells are located crossgradient of the Site to the northwest, and were completed to depths

between 60 and 87 feet bgs. One well is located downgradient of the Site to the southwest, and was completed to 650 feet bgs. One additional well was identified by Ecology in an area crossgradient of the Site. This well was completed to a depth of 68 feet bgs and may be the same well documented in this area by King County. The well owner, exact well location, and current use of these wells, if they presently exist, were not available to GHD.

Based on the shallow depth of groundwater beneath the Property, it is unlikely that the groundwater being used by City of Kent and King County is pumped from the same aquifer that is monitored beneath the Site.

The following information is provided on the Water Well Reports available in the Ecology Well Log Database and King County Groundwater Well Viewer. Water supply wells are reportedly located within approximately 0.5 mile of the Property.

| Well ID | Well Name | Well Location | Well Depth | Distance from Site (feet) | | |
|-------------|-------------------|---|------------|------------------------------|--|--|
| Up-gradient | Wells | | | | | |
| 3 | S_472355122140301 | Johnson | 68 | 1,400 | | |
| 4 | N_472346122133901 | Not Given | Unknown | 1,900 | | |
| 5 | S_472346122133801 | Reand | 135 | 2,350 | | |
| 11 | Unknown | Parcel 1822059080 | NA | 2,650 | | |
| 12 | Irrigation Well | Parcel 1822059012; Mike Carpinito | NA | 2,650 | | |
| 13 | Irrigation Well | Parcel 1322049003; George Lazzarini | NA | 1,450 | | |
| 14 | Irrigation Well | Parcel 1322049052; Walter Shaff | NA | 1,900 | | |
| 15 | Irrigation Well | Parcel 1322049192; Teresa Bernasconi | NA | 1,400 | | |
| Cross-gradi | ent Wells | | | | | |
| 1 | S_472356122144501 | Horvath | 68 | 2,600 | | |
| 2 | S_472356122142701 | Bigelow | 87 | 2,300 | | |
| 6 | S_472346122142101 | Bevilacqua | 60 | 650 | | |
| 8 | NA | NW1/4 NW1/4, Sec 13, T22N, R4E | 68 | 2,900 | | |
| Down-gradi | ent Wells | | | | | |
| 7 | S_472340122142001 | Minute Maid Co. | 650 | 750 | | |
| 9 | Domestic Well | Parcel 3830900280; Teresa Bernasconi | NA | 750 | | |
| 10 | Domestic Well | Parcel 3830900280; William Springer | NA | 750 | | |

NA = Not Available; the screen interval for each of the above wells was not available

Site Wells

Based on the results of previous investigations and groundwater monitoring conducted at the Site, shallow groundwater is present between approximately 6.5 and 10 feet bgs, with the average depth to groundwater being approximately 9 feet bgs. Shallow groundwater appears to flow toward the southwest at approximate hydraulic gradients ranging from 0.002 to 0.007 feet per foot (ft/ft). Historical groundwater elevations for Site wells are presented on Tables 1 and 2. A groundwater contour and chemical concentration map from the March 13, 2019 sampling event is included as Figure 5.

3.3 Surface Water

The nearest surface water bodies are a group of small lakes and ponds located approximately 1.2 miles southwest of the Property followed by Green River located approximately 1.4 miles southwest. The Property is located approximately 4.2 miles east of Puget Sound.

3.4 Natural Resources and Ecological Receptors

The Site qualifies for an exclusion from terrestrial ecological evaluation (TEE) because there is less than 1.5 acres of contiguous undeveloped land on or within 500-feet of the Property. A TEE exclusion form in addition to an aerial map depicting a 500-foot radius around the Site is included as Appendix C of GHD's August 6, 2015 *Remedial Investigation Report*.

4. Summary of Previous Investigations and Interim Actions

A total of 10 monitoring wells, 17 soil borings, 4 soil gas probes, and 11 ambient air samples have been completed at the Site. The following reports include details of the environmental investigations which have been conducted at the Site:

2004, Krazan, Phase II Environmental Site Assessment Protective Coatings Property 1215 North 2nd Avenue Kent, Washington (unavailable)

- 2008, Golder, Phase II ESA at 1215 2nd Avenue North (unavailable)
- 2012, Golder, Phase II Environmental Site Assessment
- 2015, GHD, Remedial Investigation Report
- 2016, GHD, Feasibility Study
- 2018, GHD, Excavation Summary Report

A complete chronological summary of work completed at the Site during the previous investigations listed above is included in Appendix A. Reports summarized represent all available investigation reports obtained by or provided to GHD. A summary of groundwater monitoring results is presented in Tables 1 and 2, a summary of historical soil analytical data is presented in Table 3, and a summary of soil vapor data is presented in Table 4.

5. Site Conceptual Model

Based on investigation data, volatile organic compounds (VOCs) were released to the subsurface sometime prior to 2004. It is not certain when or how the release occurred but based on environmental investigations, there was likely a release of trichloroethylene (TCE) in the chemical bunker area. According to the current site operator, a prior operator historically poured waste TCE onto the concrete surface in Bunker 2 to allow the TCE to evaporate. This is consistent with data collected in this area. The TCE likely naturally degraded over time resulting in the presence of daughter products (cis) 1,2-dichloroethene and vinyl chloride at the Site.

The Site has been capped by asphalt and concrete since the Property was developed and therefore has not been exposed to infiltrating surface water. Subsurface soils at the Site consist of alluvium consisting of sandy/silty gravel, sand, silty sand, and silt. Shallow groundwater is present at the Site at depths ranging from approximately 6 to 10 feet bgs.

In accordance with MTCA, potential exposure pathways for human and environmental receptors based on the current and planned land use identified during this investigation include the following:

- Human health protection from soil to groundwater (drinking water)
- Human health protection from direct soil contact
- Human health protection from soil vapor inhalation
- Human health protection from soil to surface water
- Human health protection from groundwater to surface water
- Terrestrial ecological protection

Based on the distance to any nearby surface water, the groundwater to surface water and the soil leaching to surface water pathways are incomplete. Based on the TEE, terrestrial and ecological receptors are not at risk due to the release at the Site; this exposure pathway is incomplete. Therefore, based on information provided previously in past reports, the following conclusions can be made:

- The groundwater ingestion pathway requires additional evaluation.
- The soil leaching to groundwater (drinking water) pathway requires additional evaluation.
- The direct soil contact pathway requires additional evaluation.
- The soil vapor inhalation pathway and indoor air pathway requires additional evaluation.
- The soil to surface water pathway is incomplete due to the distance to any surface water body.
- The groundwater to surface water pathway is incomplete due to the physical distance separating impacted groundwater and surface water.
- The Site qualifies for an exclusion from further TEE.

6. Cleanup Standards – Soil and Groundwater

Based on the information provided, potential exposure pathways are human ingestion of soil and/or groundwater, human direct contact with soil, and potential vapor intrusion risk. Cleanup standards addressing these potential pathways are discussed below

As presented in GHD's *Feasibility Study* dated July 25, 2016, MTCA Method C cleanup levels (CULs) were selected for the Site. Based on Ecology's July 6, 2017 opinion letter, Ecology concurred with the selected cleanup action and Method C CULs for soil, however, Ecology disapproved the use of Method C CULs for groundwater. Alternatively, Ecology determined that federal maximum contaminant levels (MCLs) be used as the Site-Specific CULs in groundwater for the following chemicals of concern:

- 1,1-dichloroethene (1,1-DCE), 7 micrograms per liter (μg/L)
- (cis) 1,2-dichloroethene [(cis) 1,2-DCE], 16 μg/L
- (trans) 1,2 dichloroethene [(trans) 1,2-DCE], 100 µg/L
- Arsenic, 10 µg/L

One additional COC detected in groundwater that was not listed in Ecology's letter is vinyl chloride. The federal MCL or Site-Specific CUL for this constituent is listed below:

• vinyl chloride, 2 µg/L

TCE is the only COC in soil that exceeds the 0.03 milligrams per kilogram (mg/kg) Method C CUL, which is equivalent to the Method A soil CUL for industrial properties. The soil and groundwater CULs are listed in Tables 1 through 4.

7. Interim Remedial Actions

GHD's November 15, 2018 *Excavation Summary Report* documents soil remedial activities that took place at Site from April 16, 2018 through May 4, 2018. The purpose of the excavation was to remediate residual contamination present in the soil within the vicinity of MW-3/Bunker 2 and to apply an in-situ treatment. Figure 6 presents the locations of all soil samples exceeding the MTCA Method C CUL prior to interim remediation and Figures 7 and 8 present the post excavation soil sampling results.

The remedial excavation removed the majority of the residual TCE mass in soil, as indicated by confirmatory soil analytical results shown on Figure 8. Minimal residual TCE impacts remain in place in the southwest corner and northeast corner, however, no TCE was detected in groundwater empirically demonstrating that leaching is not occurring.

8. Post Remediation Groundwater Monitoring Well Sampling – 2018 and 2019

Groundwater sampling events were completed in 2018 and 2019 to evaluate groundwater conditions following the interim remedial excavation activities. Four post remediation groundwater monitoring events were performed in June 2018, September 2018, December 2018, and March 2019. The June 2018 event was reported to Ecology in GHD's November 15, 2018 *Excavation Summary Report*. The results of the three subsequent evets are reported below.

The groundwater sampling events were conducted by Blaine Tech Services (BTS), under contract to GHD. Hydraulic monitoring activities consisted of measuring and recording depth to groundwater below the top of the PVC well casing (TOC) at five monitoring wells (MW-1, MW-3R, MW-6, MW-7, and MW-9). Groundwater analytical data from the three sampling events are summarized in Tables 1 and 2. Copies of the field data sheets documenting the hydraulic monitoring data are presented in Appendix C, the laboratory analytical reports are presented in Appendix D, and the wellhead elevation survey results following the installation of well MW-3R and presented in Appendix E.

Prior to groundwater sample collection, each well was purged with a peristaltic pump and clean tubing using a low-flow method. During the purging process, groundwater quality parameters, including temperature, electrical conductance (EC), pH, turbidity, dissolved oxygen (DO), and oxygen reduction potential (ORP), were measured at regular intervals using a water quality meter. Purging at a given well was considered complete when three consecutive readings for EC, pH, temperature, turbidity, DO, and ORP were observed within 10 percent of one-another. The water quality meter was calibrated in accordance with the manufacturer's specification prior to use. The groundwater parameters measured during purging, flow rates, and instrument calibrations were documented in the field by the sampling contractor.

Once purging at a given well was completed, a groundwater sample was collected for laboratory analyses of VOCs by EPA Method 8260 and dissolved arsenic by EPA Method 6010. During the collection of the groundwater samples, the pump discharge was maintained at the same flow rate as used for low-flow purging. Each sample container was labeled with the project number, date, time, well number, and sample number. Groundwater samples were collected in appropriate glassware provided by the laboratory and immediately placed into a cooler containing ice or ice substitute. Samples were delivered PACE Analytical Services, LLC (PACE) in Minneapolis, Minnesota, in strict accordance with the industry standard chain-of-custody protocol.

8.1 Groundwater Elevation Data

The purpose of the hydraulic monitoring is to evaluate groundwater flow direction and gradient, and gauge for the presence of separate phase hydrocarbons (SPH), if any. No SPH was detected in the gauged wells.

Based on the data collected on September 24, 2018, the measured depth to groundwater in the five wells gauged (MW-1, MW-3R, MW-6, MW-7 and MW-9) ranged from 9.25 feet below TOC at MW-9 to 10.34 feet below TOC at MW-6 (Table 1). Groundwater flow direction and gradient were not estimated.

Based on the data collected on December 31, 2018, the measured depth to groundwater in the same five wells ranged from 7.91 feet below TOC at MW-9 to 9.37 feet below TOC at MW-6. Groundwater flow direction and gradient were not estimated.

Based on the data collected on March 13, 2019, the measured depth to groundwater in the same five wells ranged from 7.39 feet below TOC at MW-9 to 8.95 feet below TOC at MW-6. Groundwater flow direction was west-southwesterly at an approximate hydraulic gradient of 0.007 ft/ft (Figure 5).

8.2 Groundwater Analytical Data

Groundwater analytical data for three post remediation monitoring events are discussed below for third quarter 2018, fourth quarter 2018, and first quarter 2019. **September 2018 Groundwater Analytical Results:** No VOC constituents were detected except vinyl chloride and (cis) 1,2-DCE. Vinyl chloride was detected in well MW-3R at 0.58 μ g/L and in well MW-9 at 0.43 μ g/L and these concentrations were below the 2 μ g/L Site-Specific CUL. (cis) 1,2-DCE was detected in well MW-1 at 3.1 μ g/L and well MW-3R at 2.3 μ g/L and these concentrations were below the 16 μ g/L Site-Specific CUL. No dissolved arsenic was detected above the method reporting limit of 20 μ g/L.

December 2018 Groundwater Analytical Results: No VOC constituents were detected except vinyl chloride, 1,1--CE, and (cis) 1,2-DCE. Vinyl chloride was detected in well MW-3R at 0.75 μ g/L and in well MW-9 at 0.61 μ g/L and these concentrations were below the 2 μ g/L Site-Specific CUL. 1,1-DCE was detected in well MW-3R at 1.1 μ g/L, which is below the 7 μ g/L Site-Specific CUL. (cis) 1,2-DCE was detected in well MW-3R at 3.8 μ g/L, which is below the 16 μ g/L Site-Specific CUL. No dissolved arsenic was detected above the method reporting limit of 20 μ g/L.

March 2019 Groundwater Analytical Results: No VOC constituents were detected except vinyl chloride, acetone, and (cis) 1,2-DCE. Vinyl chloride was detected in well MW-3R at 0.82 μ g/L and in well MW-9 at 0.43 μ g/L and these concentrations were below the 2 μ g/L Site-Specific CUL. Acetone was detected in well MW-1 at 25.7 μ g/L. There is not a federal MCL however, this concentration is significantly lower than the 7,200 μ g/L MTCA Method B CUL. (cis) 1,2-DCE was detected in well MW-1 at 3.1 μ g/L and well MW-3R at 2.3 μ g/L and these concentrations were below the 16 μ g/L Site-Specific CUL. No dissolved arsenic was detected above the method reporting limit of 20 μ g/L.

9. Areas Requiring Future Management

9.1 Constituents of Concern

Based on CULs presented in previous sections of this report, the remaining COCs beneath the Site are limited to areas beneath Bunker 1 and 2 and the parking lot near well MW-7 and include TCE in soil and soil vapor and vinyl chloride, (cis) 1,2-DCE, and arsenic in groundwater.

9.2 Soil Requiring Future Management

The remaining TCE impacts in soil exceeding the 0.03 mg/kg MTCA Method C CUL are shown on Figures 7 and 8. The samples are located in Bunkers 1 and 2 at soil boring SB-5 and remedial excavation confirmation soil samples NSW-2, SSW-2, and WSW-2, respectively. Approximate sample depths are 3 and 5 ft bgs in Bunker 1 (boring SB-5) and at 5 ft bgs in Bunker 2 (confirmation samples). TCE concentrations range from 0.032 mg/kg (NSW-2 at 5 ft bgs) to 0.053 (SB-5 at 5 ft bgs).

TCE concentrations are only slightly higher than the CUL, which is based on MTCA Method A for Industrial Properties and protection of groundwater for drinking water use. The shallow groundwater does not contain TCE empirically demonstrating TCE in soil is not leaching to groundwater. The next exposure pathway to consider is direct contact and

the MTCA Method C CUL for direct contact is 1,800 mg/kg. The remaining TCE concentrations are several orders of magnitude below the direct contact CUL.

As a result, no future soil management is necessary.

9.3 Groundwater Requiring Future Management

As previously discussed, vinyl chloride, (cis) 1,2-DCE, and arsenic in groundwater are the remaining Site COCs. The vinyl chloride and (cis) 1,2-DCE concentrations are limited to wells MW-3R and MW-9 and concentrations are below the 2 μ g/L Site-Specific CUL for vinyl chloride and the 16 μ g/L Site-Specific CUL for (cis) 1,2-DCE. As documented in prior reports, based on the widespread regional prevalence of arsenic in groundwater, and the continued industrial use in the vicinity of the Property, arsenic is not considered a COC for the Site.

As a result, no future groundwater management is necessary.

9.4 Soil Vapor Requiring Future Management

There are two soil gas samples collected in 2012 that exceeded MTCA Method C screening level for TCE at SG-2 and SG-4 (Figure 7). These samples, however, were too shallow (less than 1 ft bgs) to be representative of subsurface soil vapor beneath a building. Soil samples collected from boring SB-5 located near SG-2 contained low TCE concentrations that were near the CUL at depths of approximately 3 and 5 feet bgs. Soil samples collected from boring SB-7 located near SG-4 did not contain TCE at depths between 2 and 20 feet bgs. Due to the discontinued use of TCE at the facility (effective 01/01/2014), the interim remedial activities that were performed to remove the majority of the TCE source in soil, and because the remaining TCE concentrations are close to the protection of drinking water 0.03 mg/kg Method C CUL and below the 1,800 mg/kg Method C direct contact CUL, it is unlikely that the remaining impacts pose a vapor intrusion risk.

10. Conclusions

Between 2004 and 2017 several site investigation activities were performed to characterize the nature and extent of soil and groundwater impacts beneath the Site. The soil impacts are limited to TCE and the groundwater impacts are limited to vinyl chloride, (cis) 1,2-DCE, and arsenic. The investigation data collected demonstrate the soil and groundwater impacts are sufficiently delineated and no future management of site media is necessary. Based on these findings, we are requesting that Ecology issue a No Further Action determination for the Site. Upon Ecology's determination that No Further Action is required for the Site, GHD, on behalf of PCC, will proceed with decommissioning the existing groundwater wells on the Site in accordance with Ecology's regulations.

Figures



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LEGEND

| • | MONITORING WELL |
|----------|---|
| | PROPERTY BOUNDARY LINE |
| | MTCA SITE BOUNDARY (DASHED WHERE INFERRED) |
| | SOIL BORING |
| A | SOIL GAS PROBE |
| | SEDIMENT SAMPLE |
| ۲ | AMBIENT AIR SAMPLE (NON-OPERATIONAL) |
| 0 | AMBIENT AIR SAMPLE (OPERATIONAL) |
| ۰ | HAND AUGER SOIL BORING |
| С.В. 🗖 | CATCH BASIN |
| G | GAS LINE (G) |
| E | ELECTRICAL LINE (E) |
| SAN | SANITARY SEWER LINE (SAN) |
| STM | STORM DRAIN (STM) |
| — — T — | TELECOMMUNICATIONS (T) |

PROTECTIVE COATINGS FACILITY 1215 2nd AVENUE NORTH AND 1208 4th AVENUE NORTH KENT, WASHINGTON Project No. **11218504** Date **December 2021**

SITE PLAN

FIGURE 2



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Project No. 11218504 Date December 2021

CROSS-SECTION A-A'

FIGURE 3



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PROTECTIVE COATINGS FACILITY 1215 2nd AVENUE AND 1208 4th AVENUE NORTH KENT, WASHINGTON

GROUNDWATER CONTOUR AND CHEMICAL CONTOUR MAP MARCH 13, 2019 Project No. 11218504 Date December 2021





| | LEGEND |
|--------|--------------------------------|
| • | MONITORING WELL |
| | SOIL BORING |
| ∎ | HAND AUGER BORING |
| | SOIL GAS PROBE |
| | SEDIMENT SAMPLE |
| С.В. □ | CATCH BASIN |
| | PROPERTY BOUNDARY LINE |
| mg/kg | MILLIGRAMS PER KILOGRAM |
| FBGS | FEET BELOW GROUND SURFACE |
| N/A | NOT APPLICABLE OR NOT PROVIDED |
| | |

| | /TICAL | | | - PARAMETER |
|---------|----------------|-----------------|-----------------|-------------------------------|
| mple ID | Sample Date | Sample Depth | Trichloroethene | |
| B-10-5' | 3/15/2016 | 5 | 22.5 | |
| | | | DEPTH | — RESULT (mg/kg) I IN FBGS |

INDICATES AT LEAST ONE CONCENTRATION WAS DETECTED ABOVE THE LABORATORY REPORTING LIMITS, BUT NO CONCENTRATION EXCEEDED THE CLEANUP LEVELS.

INDICATES AT LEAST ONE CONCENTRATION EXCEEDED THE CLEANUP LEVELS.

NOTES:

BOLDED CONCENTRATIONS INDICATE THE CONCENTRATION VALUE EXCEEDED THE APPLICABLE CLEANUP LEVEL.

NO SOIL GAS SAMPLES WERE COLLECTED FROM LOCATION SG-1.



PROTECTIVE COATINGS FACILITY 1215 2nd AVENUE NORTH AND 1208 4th AVENUE NORTH KENT, WASHINGTON Project No. **11218504** Date **December 2021**

SOIL EXCEEDING CLEANUP LEVELS





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| NAL | ΥT | ICAL | |
|-----|----|------|--|
| | | | |

| Sample Date | Trichloroethene | |
|----------------|-----------------|----------------|
| 7/10/2012 | 1,200 | |
| | | — RESULT (ua/i |

INDICATES AT LEAST ONE CONCENTRATION WAS DETECTED ABOVE THE LABORATORY REPORTING LIMITS, BUT NO CONCENTRATION EXCEEDED THE

BOLDED CONCENTRATIONS INDICATE THE CONCENTRATION VALUE

Project No. 11218504 Date December 2021





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SOIL ANALYTICAL RESULTS

FIGURE 8

Summary of Groundwater Analytical Data Hydrocarbons and Volatile Organic Compounds Protective Coatings Facility 1215 2nd Avenue North and 1208 4th Avenue North Kent, Washington

| | | | | | Нус | drocarbo | ns | | | | | | | | VOCs | | | | | |
|-----------|-----------------------|-----------|--------------------|-------|-------|----------|-------|----------------|--------------|-------------------|--------------|-----------|--------------------|--------------------|--------------------------------|------------------------------|--------------------|-----------------------|-----------------|-----------------------|
| Sample ID | Date | тос | DTW* | GWE | TPHg | TPHd | TPHo | Benzene | Toluene | Vinyl Chloride | Chloroethane | Acetone | 1,1-Dichloroethene | 1,1-Dichloroethane | (trans) 1,2- Dichloroethene | (cis) 1,2- Dichloroethene | 1,2-Dichloroethane | 1,1,1-Trichloroethane | Trichloroethene | 1,1,2-Trichloroethane |
| | Site-Specific | : Cleanup | Level ¹ | | NA | NA | NA | NA | NA | 2 | NA | NA | 7 | NA | 100 | 16 | 5 | 200 | 5 | 5 |
| I | MTCA Method | d B Clean | up Level | | NA | NA | NA | NA | NA | NA | NA | 7200 | NA | 1,600/7.68 | NA | NA | NA | NA | NA | NA |
| | Units | ft | ft | ft | μg/L | μg/L | μg/L | μg/L | μg/L | μg/L | μg/L | μg/L | μg/L | μg/L | μg/L | μg/L | μg/L | μg/L | μg/L | μg/L |
| MW-1 | 8/12/2008 | 38.94 | 9.41 | 29.53 | | | | <0.2 | <0.2 | 0.2 | 2 | 7.7 | 0.5 | 0.6 | <0.2 | 1.6 | <0.2 | <0.2 | <0.2 | <0.2 |
| MW-1 | 7/2/2012 | 38.94 | 8.48 | 30.46 | | | | | | | | | | | | | | | | |
| M\//-1 | 10/7/2014 | 38.94 | 9.75 | 29.90 | | | | <0.50 | <0.50 | <0.20 | <1.2 | <20.0 | <0.50 | <0.50 | <0.50 | 1.4 | <0.50 | <0.50 | <0.40 | <0.40 |
| MW-1 | 1/13/2015 | 38.94 | 8.26 | 30.68 | | | | < 0.50 | < 0.50 | <0.20 | <1.0 | <20.0 | <0.50 | < 0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.40 | <0.40 |
| MW-1 | 6/1/2015 | 38.59 | 8.62 | 29.97 | | | | < 0.50 | <0.50 | <0.20 | 1.1 | <20.0 | <0.50 | <0.50 | <0.50 | 1.5 | <0.50 | <0.50 | <0.40 | <0.40 |
| MW-1 | 5/31/2018 | 38.59 | 8.57 | 30.02 | | | | | | | | | | | | | | | | |
| MW-1 | 6/4/2018 | 38.59 | 8.70 | 29.89 | | | | | | <0.20 | <1.0 | <20.0 | <1.0 | <1.0 | <1.0 | 2.7 | <1.0 | <1.0 | <0.40 | <1.0 |
| MW-1 | 9/24/2018 | 38.59 | 9.76 | 28.83 | | | | | | <0.20 | <1.0 | <20.0 | <1.0 | <1.0 | <1.0 | 3.1 | <1.0 | <1.0 | <0.40 | <1.0 |
| MW-1 | 12/31/2018 | 38.59 | 9.09 | 29.50 | | | | | | <0.20 | <1.0 | <20.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | < 0.40 | <1.0 |
| MVV-1 | 3/13/2019 | 38.59 | 8.53 | 30.06 | | | | | | <0.20 | <1.0 | 25.7 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <0.40 | <1.0 |
| MW-2 | 8/12/2008 | 38.71 | 8.82 | 29.89 | | | | <0.2 | <0.2 | <0.2 | <0.2 | <2.5 | <0.2 | 0.2 | <0.2 | <0.2 | <0.2 | <0.2 | <0.2 | <0.2 |
| MW-2 DUP | 8/12/2008 | 38.71 | 8.82 | 29.89 | | | | <0.2 | <0.2 | <0.2 | <0.2 | 3.7 | <0.2 | 0.2 | <0.2 | <0.2 | <0.2 | <0.2 | <0.2 | <0.2 |
| MW-2 | 7/2/2012 | 38.71 | 8.00 | 30.71 | | | | | | | | | | | | | | | | |
| MW-2 | 7/17/2014 | 38.71 | 8.20 | 30.51 | | | | < 0.50 | < 0.50 | <0.20 | <1.0 | <20.0 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | <0.50 | <0.50 | < 0.40 | < 0.40 |
| MVV-2 | 10/7/2014 | 38.71 | 8.53 | 30.18 | | | | < 0.50 | < 0.50 | < 0.20 | <1.0 | <20.0 | < 0.50 | < 0.50 | <1.0 | <1.0 | < 0.50 | < 0.50 | <0.40 | <0.40 |
| | 1/13/2015 | 30.71 | 7.71 | 31.00 | | | | <0.50 | <0.50 | <0.20 | <1.0 | <20.0 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | <0.50 | < 0.50 | <0.40 | <0.40 |
| MW-2 | 6/1/2015 | 38.27 | 7.11 | 31.00 | | | | <0.50 <0.50 | <0.50 | <0.20 | <1.0 | <20.0 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.40 | <0.40 |
| | 0, 1, 2010 | 00.21 | | 00 | | | | 0.00 | 0.00 | 0.20 | | 2010 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 0.10 | 0.10 |
| MW-3 | 8/12/2008 | 38.68 | 9.41 | 29.27 | | | | 0.3 | 4.1 | 5.8 | 87 c | 7.3 | 120 c | 340 c | 34 | 5,600 c | 1.0 | 4.9 | 3.9 | 0.8 |
| MVV-3 | 7/2/2012 | 38.68 | 8.48 | 30.20 | <0.25 | <0.50 | <0.50 | < 0.2 | 0.37 | 1.8 | 17 a 21 0 | 5.5 | 20 26 F | 82 J | 12 | 540 C | 0.7 | 0.58 | 0.27 | 0.75 |
| M/M/ 3 | 10/7/2014 | 38.68 | 0.94 | 29.74 | | | | <0.50 | 0.00 <5.0 | 2.0 | 21.0 | <20.0 | 30.3 47.6 | 140 | 20.6 | 879 | -5.0 | < 0.50 | <0.40 | <0.40 |
| MW-3 | 1/13/2015 | 38.68 | 8.37 | 30.31 | | | | <2.5 | <2.5 | ~2.0 29 | 16.2 | <100 | 32.6 | 174 | 18.6 | 679 | <2.5 | <2.5 | <2.0 | <2.0 |
| MW-3 | 6/1/2015 | 38.61 | 8.89 | 29.72 | | | | <2.5 | <2.5 | 2.0 | 15.0 | <100 | 25.0 | 98.4 | 15.8 | 488 | <2.5 | <5.0 | <2.0 | <2.0 |
| MW-3 | | | | | | | | | | | | | Well MW-3 de | comissioned | | | | | | |
| MW-3R | 5/31/2018 | NS | 7.71 | | | | | | | | | | | | | | | | | |
| MW-3R | 6/4/2018 | NS | 8.20 | | | | | | | 0.50 | <1.0 | <20.0 | <1.0 | <1.0 | <1.0 | 1.1 | <1.0 | <1.0 | <0.40 | <1.0 |
| MW-3R | 9/24/2018 | NS | 9.35 | | | | | | | 0.58 | <1.0 | <20.0 | <1.0 | <1.0 | <1.0 | 2.3 | <1.0 | <1.0 | <0.40 | <1.0 |
| MW-3R | 12/31/2018 | NS | 8.25 | | | | | | | 0.75 | <1.0 | <20.0 | 1.1 | <1.0 | <1.0 | 3.8 | <1.0 | <1.0 | <0.40 | <1.0 |
| MW-3R | 3/13/2019 | NS | 7.91 | | | | | | | 0.82 | 1.8 | <20.0 | <1.0 | <1.0 | <1.0 | 5.3 | <1.0 | <1.0 | <0.40 | <1.0 |
| MW-4 | 6/29/2012 | 36.63 | 6.41 | 30.22 | <0.25 | <0.50 | <0.50 | <0.2 | <0.2 | <0.2 | <0.2 | <5.0 | <0.2 | <0.2 | <0.2 | <0.2 | <0.2 | <0.2 | <0.2 | <0.2 |
| MW-4 | 7/17/2014 | 36.63 | 6.80 | 29.83 | | | | <0.50 | <0.50 | <0.40 | <1.0 | <20.0 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.40 | <0.40 |
| MW-4 DUP | 7/17/2014 | 36.63 | 6.80 | 29.83 | | | | <0.50 | <0.50 | <0.40 | <1.0 | <20.0 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.40 | <0.40 |
| MW-4 | 10/7/2014 | 36.63 | 7.07 | 29.56 | | | | < 0.50 | < 0.50 | <0.20 | <1.0 | <20.0 | < 0.50 | <0.50 | <1.0 | <1.0 | <0.50 | <0.50 | <0.40 | <0.40 |
| MW-4 | 1/13/2015 | 36.63 | 5.76 | 30.87 | | | | < 0.50 | < 0.50 | <0.20 | <1.0 | <20.0 | < 0.50 | < 0.50 | < 0.50 | <0.50 | <0.50 | <0.50 | < 0.40 | <0.40 |
| 10100-4 | 0/1/2015 | 30.30 | 0.01 | 30.05 | | | | <0.50 | <0.50 | <0.20 | <1.0 | <20.0 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.40 | <0.40 |
| MW-5 | 6/29/2012 | 37.07 | 6.89 | 30.18 | <0.25 | <0.50 | <0.50 | <0.2 | <0.2 | 0.32 | <0.2 | <5.0 | <0.2 | <0.2 | <0.2 | <0.2 | <0.2 | <0.2 | <0.2 | <0.2 |
| MW-5 | 7/17/2014 | 37.07 | 7.12 | 29.95 | | | | < 0.50 | <0.50 | < 0.40 | <1.0 | <20.0 | < 0.50 | < 0.50 | <0.50 | <0.50 | < 0.50 | <0.50 | <0.40 | < 0.40 |
| MW-5 | 10/7/2014 | 37.07 | 7.39 | 29.68 | | | | < 0.50 | < 0.50 | 0.28 | <1.0 | <20.0 | < 0.50 | < 0.50 | <1.0 | <1.0 | <0.50 | <0.50 | < 0.40 | <0.40 |
| MW-5 | 1/13/2015 | 37.07 | 6.35 | 30.72 | | | | < 0.50 | < 0.50 | 0.39 | <1.0 | <20.0 | <0.50 | < 0.50 | < 0.50 | <0.50 | <0.50 | < 0.50 | < 0.40 | <0.40 |
| 10100-5 | 6/1/2015 | 37.00 | 6.99 | 30.01 | | | | <0.50 | <0.50 | <0.20 | <1.0 | <20.0 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.40 | <0.40 |
| MW-6 | 6/29/2012 | 39.44 | 9.40 | 30.04 | <0.25 | <0.50 | <0.50 | <0.2 | <0.2 | <0.2 | <0.2 | 6.7 | <0.2 | <0.2 | <0.2 | <0.2 | <0.2 | <0.2 | <0.2 | <0.2 |
| MW-6 | 7/17/2014 | 39.44 | 9.71 | 29.73 | | | | <0.50 | <0.50 | <0.40 | <1.0 | <20.0 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.40 | <0.40 |
| MW-6 | 10/7/2014 | 39.44 | 9.95 | 29.49 | | | | < 0.50 | < 0.50 | <0.20 | <1.0 | <20.0 | < 0.50 | < 0.50 | <1.0 | <1.0 | < 0.50 | <0.50 | <0.40 | < 0.40 |
| MW-6 | 1/13/2015 | 39.44 | 8.99 | 30.45 | | | | < 0.50 | < 0.50 | < 0.20 | <1.0 | <20.0 | < 0.50 | < 0.50 | < 0.50 | <0.50 | < 0.50 | <0.50 | <0.40 | <0.40 |
| MW-6 | 6/1/2015 5/21/2010 | 39.38 | 9.80 | 29.58 | | | | <0.50 | <0.50 | <0.40 | <1.0 | <20.0 | <0.50 | <0.50 | <1.0 | 2.2 | <0.50 | <1.0 | <0.40 | <0.40 |
| N/N/_6 | 6/4/2018 | 30 28 | 9.22 9.50 | 20.10 | | | | | | <0.20 | <1 0 | <20 0 | <1 0 | <1 0 | <1 0 | <1 0 | <1 0 | <1 0 | <0.40 | <1 0 |
| M\\/_6 | 9/24/2010 | 39.30 | 10 34 | 29.00 | | | | | | <0.20 | <1.0 | <20.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <0.40 | <1.0 |
| MW-6 | 12/31/2018 | 39.38 | 9,37 | 30.01 | | | | | | <0.20 | <1.0 | <20.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <0.40 | <1.0 |
| MW-6 | 3/13/2019 | 39.38 | 8.95 | 30.43 | | | | | | <0.20 | <1.0 | <20.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <0.40 | <1.0 |
| | | | | | | | | | | | | | | | | | | | | |
| MW-7 | 6/29/2012 | 38.28 | 8.98 | 29.30 | <0.25 | <0.50 | <0.50 | < 0.2 | < 0.2 | < 0.2 | < 0.2 | <5.0 | < 0.2 | < 0.2 | < 0.2 | < 0.2 | < 0.2 | < 0.2 | < 0.2 | < 0.2 |
| | 10/7/2014 | 38.28 | 9.14 | 29.14 | | | | <0.50 | <0.50 | <0.40 | <1.0 | <20.0 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.40 | <0.40 |
| IVIVV-/ | 10/7/2014 | JØ.28 | 9.15 | 29.13 | | | | <0.50 | SU.50 | SU.20 | <1.0 | <20.0 | <0.50 | <0.50 | <1.0 | <1.0 | <0.00 | <0.50 | <0.40 | <0.40 |

Summary of Groundwater Analytical Data Hydrocarbons and Volatile Organic Compounds Protective Coatings Facility 1215 2nd Avenue North and 1208 4th Avenue North Kent, Washington

| | | | | | Hyd | vydrocarbons VOCs | | | | | | | | | | | | | | |
|-----------|---------------|-------------|--------------------|-------|-------|-------------------|-------|---------------|------------------|-------------------|--------------|---------------|--------------------|--------------------|--------------------------------|------------------------------|--------------------|-----------------------|-----------------|-----------------------|
| Sample ID | Date | тос | DTW* | GWE | TPHg | TPHd | ТРНо | Benzene | Toluene | Vinyl Chloride | Chloroethane | Acetone | 1,1-Dichloroethene | 1,1-Dichloroethane | (trans) 1,2- Dichloroethene | (cis) 1,2- Dichloroethene | 1,2-Dichloroethane | 1,1,1-Trichloroethane | Trichloroethene | 1,1,2-Trichloroethane |
| | Site-Specific | : Cleanup | Level ¹ | | NA | NA | NA | NA | NA | 2 | NA | NA | 7 | NA | 100 | 16 | 5 | 200 | 5 | 5 |
| Ν | ITCA Method | B Clean | up Level | | NΔ | NΔ | NΔ | NΔ | NΔ | NΔ | NΔ | 7200 | NΔ | 1 600/7 68 | NA | NA | NA | NA | NA | NA |
| | Unite | | | - | | | | | | | | | 104 | | | | | | | |
| M/M/ 7 | 1/12/2015 | 1L 20.00 | 1L 0.25 | 20.02 | µg/∟ | µg/∟ | µg/∟ | µg/∟ <0.50 | µg/∟ ∠0.50 | µg/∟ <0.20 | µg/∟ <1.0 | µg/∟ <20.0 | µy/∟ <0.50 | µy/∟ <0.50 | µg/∟ <0.50 | µg/∟ <0.50 | µy/∟ <0.50 | µy/∟ <0.50 | µg/∟ <0.40 | μg/L |
| | 6/1/2015 | 20.20 | 0.30 | 29.93 | | | | <0.50 | <0.50 | <0.20 | <1.0 | <20.0 | < 0.50 | <0.50 | <0.50 | <0.50 0.72 | <0.50 | <0.50 | <0.40 | <0.40 |
| | 5/31/2013 | 38.21 | 0.99 | 29.22 | | | | <0.50 | < 0.50 | <0.40 | <1.0 | ~ 20.0 | <0.50 | <0.50 | <1.0 | 0.72 | <0.50 | <1.0 | <0.40 | <0.40 |
| | 6/1/2018 | 38 21 | 0.01 | 29.40 | | | | | | | | -20.0 | -1.0 | | | <1.0 | | | | |
| M\\/_7 | 0/4/2018 | 38.21 | 9.02 | 29.19 | | | | | | <0.20 | <1.0 | <20.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <0.40 | <1.0 |
| M_7 | 12/31/2018 | 38.21 | 8.68 | 20.22 | | | | | | <0.20 | <1.0 | <20.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <0.40 | <1.0 |
| M\\/_7 | 3/13/2010 | 38.21 | 8 30 | 29.00 | | | | | | <0.20 | <1.0 | <20.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <0.40 | <1.0 |
| | 0/10/2010 | 00.21 | 0.00 | 20.02 | | | | | | 40.20 | 41.0 | -20.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 0.10 | 1.0 |
| MW-8 | 6/29/2012 | 39.06 | 9.80 | 29.26 | <0.25 | <0.50 | <0.50 | <0.2 | <0.2 | <0.2 | <0.2 | <5.0 | <0.2 | <0.2 | <0.2 | <0.2 | <0.2 | <0.2 | <0.2 | <0.2 |
| MW-8 | 7/17/2014 | 39.06 | 10.04 | 29.02 | | | | < 0.50 | < 0.50 | <0.40 | <1.0 | <20.0 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.40 | <0.40 |
| MW-8 | 10/7/2014 | 39.06 | 10.10 | 28.96 | | | | <0.50 | < 0.50 | <0.20 | <1.0 | <20.0 | <0.50 | <0.50 | <1.0 | <1.0 | <0.50 | <0.50 | <0.40 | <0.40 |
| MW-8 DUP | 10/7/2014 | 39.06 | 10.10 | 28.96 | | | | < 0.50 | < 0.50 | <0.20 | <1.0 | <20.0 | <0.50 | <0.50 | <1.0 | <1.0 | <0.50 | <0.50 | <0.40 | <0.40 |
| MW-8 | 1/13/2015 | 39.06 | 8.87 | 30.19 | | | | <0.50 | < 0.50 | <0.20 | <1.0 | <20.0 | <0.50 | <0.50 | <0.50 | <0.50 | < 0.50 | <0.50 | <0.40 | <0.40 |
| MW-8 | 6/1/2015 | 38.98 | 9.81 | 29.17 | | | | <0.50 | < 0.50 | <0.40 | <1.0 | <20.0 | <0.50 | <0.50 | <1.0 | < 0.50 | < 0.50 | <1.0 | <0.40 | <0.40 |
| | | | | | | | | | | | | | | | | | | | | |
| MW-9 | 5/28/2015 | 37.70 | 7.75 | 29.95 | | | | | | | | | | | | | | | | |
| MW-9 | 6/1/2015 | 37.70 | 8.11 | 29.59 | | | | <0.50 | <0.50 | <0.20 | <1.0 | <20.0 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.40 | <0.40 |
| MW-9 DUP | 6/1/2015 | 37.70 | 8.11 | 29.59 | | | | <0.50 | <0.50 | <0.20 | <1.0 | <20.0 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.40 | <0.40 |
| MW-9 | 5/31/2018 | 37.70 | 7.69 | 30.01 | | | | | | | | | | | | | | | | |
| MW-9 | 6/4/2018 | 37.70 | 8.00 | 29.70 | | | | | | 0.44 | <1.0 | <20.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <0.40 | <1.0 |
| MW-9 | 9/24/2018 | 37.70 | 9.25 | 28.45 | | | | | | 0.43 | <1.0 | <20.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <0.40 | <1.0 |
| MW-9 | 12/31/2018 | 37.70 | 7.91 | 29.79 | | | | | | 0.51 | <1.0 | <20.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <0.40 | <1.0 |
| MW-9 | 3/13/2019 | 37.70 | 7.39 | 30.31 | | | | | | 0.61 | <1.0 | <20.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <0.40 | <1.0 |

Abbreviations and Notes:

DTW = Depth to Water in feet

GWE = Groundwater Elevation

TOC = Top of Casing

TPHg = Total petroleum hydrocarbons as gasoline range organics analyzed by HCID Method

TPHd = Total petroleum hydrocarbons as diesel range organics analyzed by HCID Method

TPHo = Total petroleum hydrocarbons as heavy oil range organics analyzed by HCID Method

VOC = Volatile Organic Compounds analyzed by EPA Method 8260 (See analytical laboratory reports for a complete list of VOCs)

EDC=1,2-Dichloroethane

µg/L = Micrograms per liter

NE = Not established

NA = Not applicable

NS = Not Surveyed

---- = Not analyzed

< n = Below laboratory detection limit of *n* ug/L

MTCA = Model Toxics Control Act Cleanup Regulations [WAC 173-340-720(2)(a)(1), as amended February 2001]

¹ The Site-Specific cleanup level is based on Federal maximum contaminant level (MCL) established by the Environmental Protection Agency where available and in accordance with Ecology's July 6, 2017 opinion letter. MTCA Method B cleanup levels are referenced in the absence of a Site-Specific cleanup level. *The DTW data from 2008 and 2012 was calculated by subtracting the given GWE from the calculated TOC data. DTW was not provided in the previous consultant's report. All data prior to 2014 collected by Golder Associates, Inc. (Golder) and provided in Golder's Phase II Environmental Site Assessment report dated October 1, 2012.

Data values in **bold** indicate that the concentration exceeds the MTCA Method C cleanup leve

a = Surrogate recovery is outside control limits

b = Detection based on dilution of initial sample

J = Estimated

Summary of Groundwater Analytical Data Metals and General Chemistry Protective Coatings Facility 1215 2nd Avenue North and 1208 4th Avenue North Kent, Washington

| | | | | | | | Ge | istry | | | | | | |
|-----------|-----------------|-----------|------------------|-------|--------------------|------------------------|--------------------|------------------------|-------------------------|--------------------------------|-----------------------------|---------|-----------|-----------|
| Sample ID | Date | TOC D | | GWE | Arsenic (total) | Arsenic (dissolved) | Cadmium (total) | Cadmium (dissolved) | Chromium III (total) | Chromium III (dissolved) | Chromium VI (hexavalent) | Cyanide | N-Nitrate | N-Nitrite |
| | Site-specific C | leanup Le | vel ¹ | | 10 | 10 | 17.5 | 17.5 | 52,500 | 52,500 | 110 | NA | NA | NA |
| | Units | ft | ft | ft | ug/L | ug/L | ug/L | ug/L | ug/L | ug/L | ug/L | ug/L | ug-N/L | ug-N/L |
| MW-1 | 8/12/2008 | 38.94 | 9.41 | 29.53 | 121 | | | | 5 | | <11 | <5 | <100 | |
| MW-1 | 7/2/2012 | 38 94 | 8 4 8 | 30 46 | | | | | | | | | | |
| MW-1 | 7/17/2014 | 38.94 | 8.75 | 30.19 | 159 | 46.9 | 0.34 | <0.080 | 8.1 | 5.1 | <5.000 | | | |
| MW-1 | 10/7/2014 | 38.94 | 9.04 | 29.90 | 137 | 90.8 | 0.092 | <0.080 | 7 1 | 6.4 | <0.10 | | | |
| MW-1 | 1/13/2015 | 38.94 | 8 26 | 30.68 | 37.3 | 17.6 | <0.080 | <0.080 | 2.9 | 3.5 | <50 | | | |
| MW-1 | 6/1/2015 | 38 59 | 8.62 | 29.97 | | 83.9 | | <0.080 | | 5.6 | | | | |
| MW-1 | 6/4/2018 | 00.00 | 0.02 | 20.07 | | <20.0 | | | | | | | | |
| MW-1 | 9/24/2018 | | | | | <20.0 | | | | | | | | |
| MW-1 | 12/31/2018 | | | | | <20.0 | | | | | | | | |
| MW-1 | 3/13/2019 | | | | | <20.0 | | | | | | | | |
| MW-2 | 8/12/2008 | 38.71 | 8.82 | 29.89 | 149 | | | | 5 | | <11 | <5 | <100 | |
| MW-2 DUP | 8/12/2008 | 38.71 | 8.82 | 29.89 | 154 | | | | 5 | | <11 | <5 | <100 | |
| MW-2 | 7/2/2012 | 38.71 | 8.00 | 30.71 | | | | | | | | | | |
| MW-2 | 7/17/2014 | 38.71 | 8.20 | 30.51 | 116 | 22.7 | <0.080 | <0.080 | 3.4 | 1.6 | <1.000 | | | |
| MW-2 | 10/7/2014 | 38.71 | 8.53 | 30.18 | 143 | 67.9 | <0.080 | <0.080 | 3.2 | 2.6 | <0.10 | | | |
| MW-2 | 1/13/2015 | 38.71 | 7.71 | 31.00 | 118 | 20.3 | 0.11 | <0.080 | 3.4 | 1.6 | <50 | | | |
| MW-2 DUP | 1/13/2015 | 38.71 | 7.71 | 31.00 | 121 | 19.0 | 0.091 | <0.080 | 3.6 | 1.6 | <50 | | | |
| MW-2 | 6/1/2015 | 38.27 | 7.11 | 31.16 | | 34.9 | | <0.080 | | 1.7 | | | | |
| MW-3 | 8/12/2008 | 38.68 | 9.41 | 29.27 | 138 | | | | | | <11 | <5 | <100 | |
| MW-3 | 7/2/2012 | 38.68 | 8.48 | 30.20 | 115 | 120 | | <0.1 | 5.2 | | 14 | <5 | <50 | <50 |
| MW-3 | 7/17/2014 | 38.68 | 8.94 | 29.74 | 168 | 42.4 | 0.086 | <0.080 | 6.8 | 3.9 | <500 | | | |
| MW-3 | 10/7/2014 | 38.68 | 9.31 | 29.37 | 163 | 85.8 | 0.091 | <0.080 | 7.5 | 4.8 | <0.10 | | | |
| MW-3 | 1/13/2015 | 38.68 | 8.37 | 30.31 | 151 | 29.0 | 0.23 | <0.080 | 10.2 | 3.8 | <50 | | | |
| MW-3 | 6/1/2015 | 38.61 | 8.89 | 29.72 | | 69.9 | | <0.080 | | 4.4 | | | | |
| MW-3 | | | | | | | Well MW | /-3 Decommis | ssioned | | | | | |
| MW-3R | 6/4/2018 | | | | | 21.8 | | | | | | | | |
| MW-3R | 9/24/2018 | | | | | <20.0 | | | | | | | | |
| MW-3R | 12/31/2018 | | | | | <20.0 | | | | | | | | |
| MW-3R | 3/13/2019 | | | | | <20.0 | | | | | | | | |
| MW-4 | 6/29/2012 | 36.63 | 6.41 | 30.22 | 33.7 | 31 | | <0.1 | 1.0 | | <10 | <5 | <50 | <50 |

Summary of Groundwater Analytical Data Metals and General Chemistry Protective Coatings Facility 1215 2nd Avenue North and 1208 4th Avenue North Kent, Washington

| | | | | | | | Ge | istry | | | | | | |
|-----------|-----------------|---|------------------|--------------------------------|-----------------------------|---------|-----------|-----------|--------|--------|-------|------|--------|--------|
| Sample ID | Date | Chr Arsenic Arsenic Cadmium Cadmium Chromium Date TOC DTW* GWE (total) (dissolved) (total) (dissolved) III (total) (dis | | Chromium III (dissolved) | Chromium VI (hexavalent) | Cyanide | N-Nitrate | N-Nitrite | | | | | | |
| | Site-specific C | leanup Le | vel ¹ | | 10 | 10 | 17.5 | 17.5 | 52,500 | 52,500 | 110 | NA | NA | NA |
| | Units | ft | ft | ft | ua/L | ua/L | ua/L | ua/L | ua/L | ua/L | ua/L | ua/L | ua-N/L | ua-N/L |
| MW-4 | 7/17/2014 | 36.63 | 6.80 | 29.83 | 74.7 | 8.9 | <0.080 | <0.080 | 1.2 | <0.50 | <500 | | | |
| MW-4 DUP | 7/17/2014 | 36.63 | 6.80 | 29.83 | 78.5 | 23.6 | <0.080 | <0.080 | 1.2 | 0.59 | <100 | | | |
| MW-4 | 10/7/2014 | 36.63 | 7.07 | 29.56 | 156 | 67.1 | <0.080 | <0.080 | 1.8 | 0.69 | <0.10 | | | |
| MW-4 | 1/13/2015 | 36.63 | 5.76 | 30.87 | 103 | 20.2 | <0.080 | <0.080 | 1.5 | 0.67 | <50 | | | |
| MW-4 | 6/1/2015 | 36.56 | 6.51 | 30.05 | | 28.9 | | <0.080 | | 0.79 | | | | |
| MW-5 | 6/29/2012 | 37.07 | 6.89 | 30.18 | 27.5 | 28.9 | | <0.1 | 1.6 | | <10 | <5 | 52 | <50 |
| MW-5 | 7/17/2014 | 37.07 | 7.12 | 29.95 | 32.8 | 3.1 | <0.080 | <0.080 | 2.1 | 1.1 | <500 | | | |
| MW-5 | 10/7/2014 | 37.07 | 7.39 | 29.68 | 68.7 | 29.4 | <0.080 | <0.080 | 2.1 | 1.5 | <0.10 | | | |
| MW-5 | 1/13/2015 | 37.07 | 6.35 | 30.72 | 59.1 | 11.7 | <0.080 | <0.080 | 2.5 | 1.1 | <50 | | | |
| MW-5 | 6/1/2015 | 37.00 | 6.99 | 30.01 | | 11.8 | | <0.080 | | 1.5 | | | | |
| MW-6 | 6/29/2012 | 39.44 | 9.40 | 30.04 | 179 | 178 | | <0.1 | 4.3 | | <10 | <5 | <50 | <50 |
| MW-6 | 7/17/2014 | 39.44 | 9.71 | 29.73 | 190 | 29.5 | <0.080 | <0.080 | 5.4 | 2.9 | <500 | | | |
| MW-6 | 10/7/2014 | 39.44 | 9.95 | 29.49 | 189 | 136 | <0.080 | <0.080 | 4.4 | 3.9 | <0.10 | | | |
| MW-6 | 1/13/2015 | 39.44 | 8.99 | 30.45 | 177 | 31.1 | <0.080 | <0.080 | 5.8 | 3.3 | <50 | | | |
| MW-6 | 6/1/2015 | 39.38 | 9.80 | 29.58 | | 89.6 | | <0.080 | | 4.0 | | | | |
| MW-6 | 6/4/2018 | | | | | 32.2 | | | | | | | | |
| MW-6 | 9/24/2018 | | | | | | | | | | | | | |
| MW-6 | 12/31/2018 | | | | | <20.0 | | | | | | | | |
| MW-6 | 3/13/2019 | | | | | <20.0 | | | | | | | | |
| MW-7 | 6/29/2012 | 38.28 | 8.98 | 29.30 | 92.7 | 92 | | <0.1 | 1.6 | | <10 | <5 | <50 | <50 |
| MW-7 | 7/17/2014 | 38.28 | 9.14 | 29.14 | 134 | 13.5 | <0.080 | <0.080 | 2.8 | 3.3 | <500 | | | |
| MW-7 | 10/7/2014 | 38.28 | 9.15 | 29.13 | 136 | 109 | <0.080 | <0.080 | 2.1 | 1.8 | <0.10 | | | |
| MW-7 | 1/13/2015 | 38.28 | 8.35 | 29.93 | 121 | 31.2 | <0.080 | <0.080 | 2.1 | 1.2 | <50 | | | |
| MW-7 | 6/1/2015 | 38.21 | 8.99 | 29.22 | | 41.9 | | <0.080 | | 1.5 | | | | |
| MW-7 | 6/4/2018 | | | | | <20.0 | | | | | | | | |
| MW-7 | 9/24/2018 | | | | | <20.0 | | | | | | | | |
| MW-7 | 12/31/2018 | | | | | <20.0 | | | | | | | | |
| MW-7 | 3/13/2019 | | | | | <20.0 | | | | | | | | |
| MW-8 | 6/29/2012 | 39.06 | 9.80 | 29.26 | 115 | 145 | | <0.1 | 4.1 | | 19 | <5 | <50 | <50 |
| MW-8 | 7/17/2014 | 39.06 | 10.04 | 29.02 | 173 | 10.8 | <0.080 | <0.080 | 5.9 | 2.5 | <500 | | | |
| MW-8 | 10/7/2014 | 39.06 | 10.10 | 28.96 | 212 | 185 | <0.080 | <0.080 | 5.4 | 4.9 | <0.10 | | | |

Summary of Groundwater Analytical Data Metals and General Chemistry Protective Coatings Facility 1215 2nd Avenue North and 1208 4th Avenue North Kent, Washington

| | | | | | | | | General Chemistry | | | | | | | |
|-----------|-----------------|-----------|------------------|-------|---------|-------------|---------|-------------------|-------------|-------------|--------------|---------|-----------|-----------|--|
| | | | | | | | | | | Chromium | | | | <u> </u> | |
| | | | | | Arsenic | Arsenic | Cadmium | Cadmium | Chromium | 111 | Chromium VI | | | | |
| Sample ID | Date | TOC | DTW* | GWE | (total) | (dissolved) | (total) | (dissolved) | III (total) | (dissolved) | (hexavalent) | Cyanide | N-Nitrate | N-Nitrite | |
| | Site-specific C | leanup Le | vel ¹ | | 10 | 10 | 10 17.5 | | 52,500 | 52,500 | 110 | NA | NA | NA | |
| | Units | ft | ft | ft | ug/L | ug/L | ug/L | ug/L | ug/L | ug/L | ug/L | ug/L | ug-N/L | ug-N/L | |
| MW-8 DUP | 10/7/2014 | 39.06 | 10.10 | 28.96 | 221 | 161 | <0.080 | <0.080 | 5.6 | 4.9 | <0.10 | | | | |
| MW-8 | 1/13/2015 | 39.06 | 8.87 | 30.19 | 182 | 23.3 | <0.080 | <0.080 | 5.8 | 3.1 | <50 | | | | |
| MW-8 | 6/1/2015 | 38.98 | 9.81 | 29.17 | | 47.8 | | <0.080 | | 3.6 | | | | | |
| MW-9 | 5/28/2015 | 37.70 | 7.75 | 29.95 | | | | | | | | | | | |
| MW-9 | 6/1/2015 | 37.70 | 8.11 | 29.59 | | 59.2 | | <0.080 | | 3.4 | | | | | |
| MW-9 DUP | 6/1/2015 | 37.70 | 8.11 | 29.59 | | 51.6 | | <0.080 | | 3.1 | | | | | |
| MW-9 | 6/4/2018 | | | | | <20.0 | | | | | | | | | |
| MW-9 | 9/24/2018 | | | | | <20.0 | | | | | | | | | |
| MW-9 | 12/31/2018 | | | | | <20.0 | | | | | | | | | |
| MW-9 | 3/13/2019 | | | | | <20.0 | | | | | | | | | |

Abbreviations and Notes:

ug/L = Micrograms per liter

ug-N/L = Micrograms of atomic Nitrogen per liter

NE = Not established

---- = Not analyzed

< n = Below laboratory detection limit of n ug/L

Arsenic, Cadmium, and chromium (total and dissolved) analyzed by method 200.8 prior to 2014 and by EPA Method 6020A after 2014; hexavalent chromium analyzed by method SM 3500-CR D Modified. Cyanide analyzed by method SM4500CN-I; N-Nitrate and N-Nitrite analyzed by EPA Method 353.2.

MTCA = Model Toxics Control Act Cleanup Regulations [WAC 173-340-720(2)(a)(1), as amended February 2001]

¹ The cleanup levels in the table are from the following standards: Federal Maximum Contaminant Levels (MCLs) from US Environmental Protection Agency, and MTCA Method C cleanup levels from Cleanup Level Risk Calculations (CLARC) value for groundwater.

All data prior to 2014 collected by Golder Associates, Inc. (Golder) and provided in Golder's Phase II Environmental Site Assessment report dated October 1, 2012.

Data values in **bold** indicate that the concentration exceeded the MTCA Method C cleanup level

Summary of Soil Analytical Data Protective Coatings Facility 1215 2nd Avenue North and 1208 4th Avenue North Kent, Washington

| | | | | VOCs | | | | | | | | | Metals O' | | | | | | | | | | | | Other |
|----------------------------|--|-----------|------------|----------|----------------|----------------|----------------|------------|--------------------|------------------|-----------------|--------------------|--------------|--------------|----------|---------|------------|----------|------------|---------------|----------|-----------------|---------|----------|---------|
| Report | | Sample | Sample | | 1,1- | 1,1- | (cis) 1,2- | | 1,1,1- | | 1,1,2- | | | | | | | | | | | | | | Total |
| Referenced | Sample ID | Date | Depth | Acetone | Dichloroethene | Dichloroethane | Dichloroethene | 2-Butanone | Trichloroethane | Trichloroethene | Trichloroethane | Vinyl Chloride | Arsenic | Barium | Berylium | Cadmium | Chromium | Copper | Lead | Selenium | Silver | Mercury | Nickel | Zinc | Cyanide |
| | MTCA Method C (industrial) Cleanup | Levels | | 3.15E+06 | 175000 | 700000 | 7000 | NE | 7.00E+06 | 0.03* | 2300 | 0.67 | 87.5 | 7.00E+05 | 7000 | 3500 | 1.05E+04 | 1.40E+05 | NE | 1.75E+04 | 1.75E+04 | NE | NE | 1.05E+06 | 2100 |
| | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | (ma/ka) | (ma/ka) | (ma/ka) | (ma/ka) | (ma/ka) | (ma/ka) | (ma/ka) | (ma/ka) | (ma/ka) | (ma/ka) | (ma/ka) | (ma/ka) | (ma/ka) | (ma/ka) | (ma/ka) | (ma/ka) | (ma/ka) | (ma/ka) | (ma/ka) | (ma/ka) | (ma/ka) | (ma/ka) |
| | | | | (| (| (| (| (| (| (| (| (| (| (| (| (| (| (| (| (| (| (| (| (| (|
| Golder 2012 | MW1-2-080208 | 8/2/2008 | 2-4 | 0.028 | <0.0011 | <0.0011 | <0.0011 | <0.0054 | <0.0011 | <0.0011 | <0.0011 | <0.0011 | <5 | | 0.2 | <0.2 | 26.6 | 21 | 5 | | | <0.05 | 27 | 37 | |
| Golder 2012 | MW2-2-080208 | 8/2/2008 | 1.5-3 | 0.016 | < 0.0010 | <0.0010 | < 0.0010 | < 0.0050 | <0.0010 | <0.0010 | < 0.0010 | < 0.0010 | <6 | | 0.2 | <0.2 | 20.7 | 22.2 | 5 | | | < 0.05 | 19 | 37 | |
| Golder 2012 | | 8/2/2008 | 1-3 | 0.037 | 0.01 | 0.0026 | 0.001 | < 0.0047 | 0.18 B | 2.5 B | 0.0024 | <0.0010 | <0 | | 0.2 | <0.2 | 24.6 | 26.1 | 4 | | | <0.05 | 23 | 41 | |
| Golder 2012 Golder 2012 | CB-1-080208 A | 8/2/2008 | 0.5 N/A | | | ~0.0010 | -0.0010 | 0.015 | <0.0010 | <0.0010 0.092 | | <0.0010 | <20 | | 0.2 | 617 | 722 | 397 | 52 | | | 0.00 | 24 | 959 | 11.5 |
| | | | | | | | | | | | | | | | | | | | | | | | | | |
| CRA 2015 | SO-062175-051415-JS-SB-1-5' | 5/14/2015 | 5 | <0.019 | 0.025 | 0.0062 | <0.0038 | <0.019 | <0.0038 | <0.0038 | <0.0038 | <0.0038 | 3.7 | 64.6 | | 0.095 | 26.6 | | 3.4 | <0.55 | <0.55 | 0.024 | | | |
| CRA 2015 | SO-062175-051415-JS-SB-1-10' | 5/14/2015 | 10 | 0.025 | <0.0049 | <0.0049 | < 0.0049 | <0.024 | <0.0049 | < 0.0049 | <0.0049 | < 0.0049 | 4.2 | 62 | | <0.099 | 17.1 | | 3.3 | 0.71 | < 0.62 | 0.055 | | | |
| CRA 2015 | SO-062175-051315-JS-SB-1-20 | 5/14/2015 | 20 | <0.030 | <0.0046 | <0.0046 | <0.0046 | <0.23 | <0.0046 | <0.0046 | <0.0046 | <0.0046 | 3.Z / 1 | 30.4 60.2 | | <0.095 | 10.4 | | Z.Z 13 | <0.59 0.40 | <0.59 | <0.025 0.030 | | | |
| CRA 2015 | SO-062175-051315-JS-SB-2-10' | 5/13/2015 | 10 | 0.022 | <0.0043 | <0.0043 | 0.0040 | <0.022 | <0.0043 | <0.0043 | <0.0043 | <0.0043 | 3.3 | 45.8 | | <0.002 | 13.2 | | 24 | <0.49 | <0.40 | 0.059 | | | |
| CRA 2015 | SO-062175-051315-JS-SB-2-14' | 5/13/2015 | 14 | 0.061 | <0.0056 | <0.0056 | < 0.0056 | <0.028 | <0.0056 | <0.0056 | <0.0056 | < 0.0056 | 5.1 | 60.3 | | <0.10 | 15.3 | | 3.7 | 0.81 | < 0.64 | 0.091 | | | |
| CRA 2015 | SO-062175-051215-JS-SB-3-3' | 5/12/2015 | 3 | <0.018 | <0.0036 | < 0.0036 | < 0.0036 | <0.018 | < 0.0036 | < 0.0036 | < 0.0036 | < 0.0036 | 2.5 | 131 | | <0.081 | 24.7 | | 3.0 | <0.51 | < 0.51 | < 0.021 | | | |
| CRA 2015 | SO-062175-051315-JS-SB-3-5' | 5/13/2015 | 5 | 0.054 | <0.0043 | <0.0043 | < 0.0043 | <0.021 | < 0.0043 | <0.0043 | < 0.0043 | <0.0043 | 4.8 | 89.4 | | 0.12 | 39.9 | | 4.3 | <0.52 | <0.52 | 0.028 | | | |
| CRA 2015 | SO-062175-051315-JS-SB-3-10' | 5/13/2015 | 10 | 0.054 | <0.0048 | <0.0048 | <0.0048 | <0.024 | <0.0048 | <0.0048 | <0.0048 | <0.0048 | 4.9 | 54.5 | | <0.073 | 14.2 | | 2.7 | 0.57 | <0.45 | <0.022 | | | |
| CRA 2015 | SO-062175-051315-JS-SB-3-14' | 5/13/2015 | 14 | 0.064 | <0.0054 | <0.0054 | < 0.0054 | <0.027 | <0.0054 | <0.0054 | <0.0054 | < 0.0054 | 6.8 | 88.8 | | 0.11 | 20.9 | | 5.2 | 0.97 | <0.65 | 0.048 | | | |
| CRA 2015 | SO-062175-051215-JS-SB-4-3' | 5/12/2015 | 3 | 0.064 | 0.036 | 0.011 | 0.0070 | < 0.026 | 0.23 | 1.2 | < 0.0052 | < 0.0052 | 3.0 | 71.9 | | 0.10 | 25.1 | | 4.2 | 0.52 | < 0.45 | 0.023 | | | |
| CRA 2015 | SO-062175-051315-JS-SB-4-5 | 5/13/2015 | 5 | < 0.018 | 0.95 | 0.47 | 0.0068 | <0.018 | 1.6 | 0.034 | 0.0098 | < 0.0037 | 3.8 | 62.0 | | 0.11 | 30.5 | | 3.6 | 0.56 | < 0.55 | 0.035 | | | |
| CRA 2015 | SO-062175-051315-JS-SB-4-10 SO-062175-051315-JS-SB-4-10 | 5/13/2015 | 10 | 0.039 | 0.036 | 0.11 | 0.52 | < 0.023 | <0.0046 | <0.0046 | <0.0046 | <0.0046 | 3.7 | 52.3 | | < 0.087 | 12.4 | | 2.4 | < 0.54 | < 0.54 | 0.035 | | | |
| CRA 2015 | SO-062175-051315-33-3B-4-13 | 5/12/2015 | 3 | 0.034 | 0.0000 | <0.0000 | <0.003 | <0.030 | <0.0000 0.014 | 0.0000 | <0.000 | <0.0000 | 9.9 2.8 | 90.2 63.2 | | 0.10 | 24.4 | | 2.4 2.9 | <0.99 | <0.01 | 0.039 | | | |
| CRA 2015 | SO-062175-051315-JS-SB-5-5' | 5/13/2015 | 5 | 0.6 | 0.038 | 0.017 | 0.012 | <0.022 | 0.063 | 0.053 | < 0.0044 | <0.0044 | 3.2 | 82.0 | | 0.35 | 23.7 | | 4.4 | <0.52 | <0.52 | 0.028 | | | |
| CRA 2015 | SO-062175-051315-JS-SB-5-10' | 5/13/2015 | 10 | 0.041 | < 0.0050 | <0.0050 | 0.012 | <0.025 | <0.0050 | < 0.0050 | < 0.0050 | < 0.0050 | 4.3 | 62.7 | | < 0.074 | 16.3 | | 2.9 | 0.56 | <0.46 | < 0.027 | | | |
| CRA 2015 | SO-062175-051315-JS-SB-5-15' | 5/13/2015 | 15 | 0.037 | <0.0057 | <0.0057 | 0.0071 | <0.029 | <0.0057 | <0.0057 | <0.0057 | <0.0057 | 8.5 | 89.3 | | 0.10 | 22.7 | | 5.0 | 1.1 | <0.51 | 0.069 | | | |
| CRA 2015 | SO-062175-051215-JS-SB-6-0.5' | 5/12/2015 | 0.5 | 0.028 | <0.0044 | <0.0044 | <0.0044 | <0.022 | < 0.0044 | <0.0044 | <0.0044 | <0.0044 | 3.4 | 62.4 | | 3.0 | 93.9 | | 4.1 | <0.44 | <0.44 | 0.047 | | | |
| CRA 2015 | SO-062175-051315-JS-SB-6-5' | 5/13/2015 | 5 | 0.042 | <0.0040 | <0.0040 | <0.0040 | <0.020 | <0.0040 | <0.0040 | <0.0040 | <0.0040 | 4.6 | 78.5 | | 0.13 | 37.8 | | 4.4 | 0.69 | <0.53 | 0.034 | | | |
| CRA 2015 | SO-062175-051315-JS-SB-6-10' | 5/13/2015 | 10 | 0.068 | <0.0058 | <0.0058 | 0.011 | <0.029 | <0.0058 | < 0.0058 | <0.0058 | <0.0058 | 4.4 | 58.8 | | <0.080 | 15.3 | | 3.1 | 0.56 | <0.50 | 0.043 | | | |
| CRA 2015 | SO-062175-051215-JS-SB-6-13' | 5/12/2015 | 13 | 0.11 | < 0.0060 | < 0.0060 | 0.055 | <0.030 | <0.0060 | < 0.0060 | < 0.0060 | < 0.0060 | 9.9 | 82.7 | | 0.24 | 24.7 | | 5.2 | 0.97 | < 0.56 | 0.042 | | | |
| CRA 2015 | SO-062175-051215-JS-SB-7-2 SO 062175 051415 JS SB 7 5 | 5/12/2015 | 2 | 0.037 | <0.0039 | <0.0039 | < 0.0039 | < 0.019 | < 0.0039 | < 0.0039 | < 0.0039 | < 0.0039 | 3.2 | 62.8 60.6 | | 0.089 | 22.9 | | 2.9 | < 0.56 | < 0.50 | 0.027 | | | |
| CRA 2015 | SO-062175-051415-35-36-7-5 | 5/14/2015 | 13 | 0.019 | <0.0030 | <0.0030 | <0.0030 | <0.018 | <0.0030 | <0.0030 | <0.0030 | <0.0030 | 4.9 6 Q | 76.4 | | 0.10 | 22.8 | | 3.0 4.6 | 0.09 | <0.01 | 0.022 | | | |
| CRA 2015 | SO-062175-051415-JS-SB-7-20' | 5/14/2015 | 20 | 0.023 | < 0.0040 | <0.0040 | <0.0040 | <0.020 | <0.0040 | < 0.0040 | < 0.0040 | < 0.0040 | 2.1 | 39.6 | | <0.087 | 11.2 | | 1.8 | <0.55 | <0.55 | <0.022 | | | |
| CRA 2015 | SO-062175-051415-JS-MW-9-5' | 5/14/2015 | 5 | 0.072 | < 0.0040 | <0.0040 | < 0.0040 | < 0.020 | 0.0061 | < 0.0040 | <0.0040 | <0.0040 | 4.4 | 462 | | 2.1 | 132 | | 9.6 | 0.59 | < 0.54 | 0.070 | | | |
| CRA 2015 | SO-062175-051415-JS-MW-9-10' | 5/14/2015 | 10 | 0.061 | <0.0058 | <0.0058 | <0.0058 | <0.029 | < 0.0058 | <0.0058 | <0.0058 | <0.0058 | 10.6 | 88.8 | | 0.29 | 23.7 | | 6.1 | 1.2 | <0.62 | 0.076 | | | |
| CRA 2015 | SO-062175-051415-JS-MW-9-15' | 5/14/2015 | 15 | <0.024 | <0.0048 | <0.0048 | <0.0048 | <0.024 | <0.48 | <0.0048 | <0.0048 | <0.0048 | 2.4 | 46.3 | | <0.11 | 11.9 | | 2.0 | <0.67 | <0.67 | 0.029 | | | |
| CHD 2016 | ***SO 062175 031516 SB 8 5' | 3/15/2016 | 5 | <1 15 | 4 10 | 3 00 | 0.364 | <0.287 | 15.40 | <0.0574 | 0.431 | <0.0574 | 3.0 | 65.4 | | 0 12 | 31.2 | | 3.8 | <0.55 | <0.55 | 0.026 | | | |
| GHD 2016 | ***SO-062175-031516-SB-8-10' | 3/15/2016 | 10 | <1.15 | <0.0645 | 0 161 | 0.304 | <0.207 | <0.0645 | <0.0574 | <0.451 | <0.0574 | 29 | 40.7 | | <0.12 | 10.6 | | 2.0 | <0.55 | <0.00 | <0.020 | | | |
| GHD 2016 | SQ-062175-031516-SB-8-15' | 3/15/2016 | 15 | <1.53 | <0.0043 | <0.101 | 0.0927 | <0.320 | <0.0040 | <0.0043 | <0.0043 | <0.0043 | 8.2 | 114 | | 0.13 | 22.0 | | 6.2 | <0.72 | <0.40 | 0.020 | | | |
| GHD 2016 | ***SO-062175-031516-SB-9-5' | 3/15/2016 | 5 | <1.120 | 0.363 | 1.520 | 0.434 | <0.280 | <0.0559 | < 0.0559 | <0.0559 | < 0.0559 | 5.0 | 69.9 | | 0.13 | 35.2 | | 4.0 | <0.45 | <0.45 | 0.040 | | | |
| GHD 2016 | ***SO-062175-031516-SB-9-10' | 3/15/2016 | 10 | <1.330 | <0.0667 | <0.0667 | 0.241 | <0.333 | <0.0667 | <0.0667 | <0.0667 | <0.0667 | 4.1 | 54.9 | | <0.096 | 13.3 | | 2.8 | <0.60 | <0.60 | 0.026 | | | |
| GHD 2016 | SO-062175-031516-SB-9-15' | 3/15/2016 | 15 | <1.420 | <0.0710 | <0.0710 | 0.136 | <0.355 | <0.0710 | <0.0710 | <0.0710 | <0.0710 | 7.6 | 95.3 | | <0.10 | 20.1 | | 5.5 | <0.65 | <0.65 | 0.056 | | | |
| GHD 2016 | ***SO-062175-031516-SB-10-5' | 3/15/2016 | 5 | <1.120 | <0.0562 | <0.0562 | 0.183 | <0.281 | <0.0562 | 22.50 | <0.0562 | <0.0562 | 3.7 | 56.5 | | 0.10 | 26.8 | | 3.6 | <0.50 | <0.50 | <0.020 | | | |
| GHD 2016 | ***SO-062175-031516-SB-10-10' | 3/15/2016 | 10 | <1.370 | <0.0685 | <0.0685 | 0.247 | < 0.342 | < 0.0685 | 0.193 | < 0.0685 | <0.0685 | 3.4 | 44.3 | | <0.088 | 17.4 | | 2.4 | <0.55 | <0.55 | <0.026 | | | |
| GHD 2016 | SO-062175-031516-SB-10-15 | 3/15/2016 | 15 | <1.430 | <0.0715 | <0.0715 | <0.0715 | < 0.357 | < 0.0715 | <0.0715 | < 0.0715 | < 0.0715 | 6.2 | 76.4 | | < 0.083 | 16.8 | | 4.8 | < 0.52 | < 0.52 | <0.025 | | | |
| GHD 2016 | SO-062175-031516-SB-11-5 SO-062175-031516-SB-11-10 | 3/15/2016 | 5 10 | <1.120 | <0.0561 | <0.0561 | < 0.0561 | <0.281 | <0.0561 | <0.0561 | <0.0561 | <0.0561 | 3.2 | 68.4 37.2 | | 0.10 | 33.8 | | 6.2 23 | < 0.47 | < 0.47 | <0.020 | | | |
| GHD 2016 | SO-062175-031516-SB-11-10 | 3/15/2016 | 10 | <1.400 | <0.098 | <0.098 | <0.098 | <0.349 | <0.098 | <0.098 | <0.098 | <0.098 | 10.4 | 119 | | <0.10 | 24.2 | | 2.3 7 1 | <0.03 | <0.05 | 0.027 | | | |
| GHD 2016 | SO-062175-031516-SB-12-5' | 3/15/2016 | 5 | <1.150 | <0.0574 | <0.0574 | <0.0574 | <0.287 | <0.0574 | <0.0574 | <0.0574 | <0.0574 | 4.6 | 79.4 | | 0.17 | 36.9 | | 5.9 | <0.52 | <0.52 | < 0.021 | | | |
| GHD 2016 | SO-062175-031516-SB-12-10' | 3/15/2016 | 10 | <1.290 | < 0.0644 | <0.0644 | < 0.0644 | < 0.322 | <0.0644 | < 0.0644 | < 0.0644 | < 0.0644 | 4.1 | 44.3 | | < 0.073 | 14.8 | | 2.5 | <0.46 | <0.46 | < 0.022 | | | |
| GHD 2016 | SO-062175-031516-SB-12-15' | 3/15/2016 | 15 | <1.530 | <0.0764 | <0.0764 | <0.0764 | <0.382 | <0.0764 | <0.0764 | <0.0764 | <0.0764 | 8.6 | 107 | | 0.12 | 21.7 | | 6.4 | <0.63 | <0.63 | 0.065 | | | |
| GHD 2016 | SO-062175-031516-SB-13-5' | 3/15/2016 | 5 | <1.120 | <0.0561 | <0.0561 | <0.0561 | <0.281 | <0.0561 | <0.0561 | <0.0561 | <0.0561 | 2.2 | 35.3 | | 0.094 | 17.2 | | 4.0 | <0.45 | <0.045 | 0.034 | | | |
| GHD 2016 | SO-062175-031516-SB-13-10' | 3/15/2016 | 10 | <1.320 | <0.0662 | <0.0662 | <0.0662 | <0.331 | <0.0662 | <0.0662 | <0.0662 | <0.0662 | 6.8 | 65.4 | | 0.20 | 15.1 | | 11.5 | <0.54 | <0.54 | 0.054 | | | |
| GHD 2016 | SO-062175-031516-SB-13-15' | 3/15/2016 | 15 | <1.460 | <0.0732 | <0.0732 | <0.0732 | <0.366 | <0.0732 | <0.0732 | <0.0732 | <0.0293 | 8.2 | 104 | | 0.11 | 21.0 | | 6.0 | <0.60 | <0.60 | 0.075 | | | |
| GHD 2017 | SO-053117-BP-SB-14-5 | 5/31/2017 | 5 | <0.0558 | <0.0045 | <0.0045 | <0.0045 | <0.0223 | <0.0045 | <0.0045 | <0.0045 | <0.0045 | 3.5 | 76.2 | | <0.17 | 37.3 | | 3.8 | <1.1 | <0.57 | 0.042 | | | |
| GHD 2017 | SO-053117-BP-SB-14-10 | 5/31/2017 | 10 | 0.0627 | <0.0050 | <0.0050 | <0.0050 | <0.0251 | <0.0050 | <0.0050 | <0.0050 | <0.0050 | 2.9 | 31.7 | | <0.19 | 12 | | 1.8 | <1.3 | <0.64 | 0.025 | | | |
| GHD 2017 | SO-053117-BP-SB-15-5 | 5/31/2017 | 5 | <0.0553 | <0.0044 | <0.0044 | <0.0044 | <0.0221 | <0.0044 | <0.0044 | <0.0044 | <0.0044 | 3.6 | 62.1 | | <0.15 | 29.6 | | 3.5 | <1.0 | <0.51 | 0.039 | | | |
| GHD 2017 | SO-053117-BP-SB-15-10 | 5/31/2017 | 10 | <0.0527 | <0.0042 | <0.0042 | <0.0042 | <0.0221 | <0.0042 | <0.0042 | <0.0042 | <0.0042 | 4.3 | 57.8 | | <0.21 | 14 | | 3.2 | <1.4 | <0.69 | 0.048 | | | |
| GHD 2017 | SO-053117-BP-SB-16-5 | 5/31/2017 | 5 | <0.0446 | <0.0036 | < 0.0036 | <0.0036 | <0.0178 | <0.0036 | <0.0036 | <0.0036 | <0.0036 | 2.8 | 50.5 | | <0.16 | 22.6 | | 2.7 | <1.1 | <0.54 | 0.040 | | | |
| GHD 2017 | SO-053117-BP-SB-16-10 | 5/31/2017 | 10 | < 0.0604 | < 0.0048 | < 0.0048 | < 0.0048 | < 0.0242 | < 0.0048 | <0.0048 | < 0.0048 | < 0.0048 | 3.7 | 47.7 | | < 0.19 | 13.5 | | 2.1 | <1.3 | < 0.64 | < 0.028 | | | |
| GHD 2017 | 30-03311/-BF-3B-1/-3 S0-053117 PD SP 17 10 | 5/31/2017 | 5 10 | | | 0.0192 | U.147 | ~U.U238 | <0.0048 <0.0051 | 11.4 | <0.0048 | <0.0048 <0.0051 | 3.2 2 2 2 | 12.4 50 5 | | <0.10 | 24.0 17 | | 3.3 27 | <1.1 21.2 | <0.53 | 0.034 | | | |
| 3110 2017 | 00-000 I II-DF-0D-II-IU | 5/5//2017 | 10 | ~0.0030 | SU.0001 | ~0.000T | SU.0001 | NULUZU4 | -0.000T | ~0.0001 | ~0.0001 | ~0.0001 | 3.5 | 50.5 | | -0.18 | 17 | | 2.1 | ~1.0 | ~0.00 | 0.043 | | | |
| GHD 2018 | 062175-20180417-SO-BP-WSW-1 | 4/17/2018 | 5 | | 3.7 | 0.0069 | 2.2 | | 4.5 | 0.0041 | 0.0041 | <0.0022 | | | | | | | | | | | | | |
| GHD 2018 | 062175-20180417-SO-BP-NSW-1 | 4/17/2018 | 5 | | 0.011 | 0.052 | 0.0029 | | <0.0018 | <0.0018 | <0.0018 | <0.0018 | | | | | | | | | | | | | |

Summary of Soil Analytical Data Protective Coatings Facility 1215 2nd Avenue North and 1208 4th Avenue North Kent, Washington

| | | | | | | | Metals C | | | | | | | | | | | | Other | | | | | | |
|------------|------------------------------------|-----------|--------|----------|----------------|----------------|----------------|------------|-----------------|-----------------|-----------------|----------------|---------|----------|----------|---------|----------|----------|---------|----------|----------|---------|---------|----------|---------|
| Report | | Sample | Sample | | 1,1- | 1,1- | (cis) 1,2- | | 1,1,1- | | 1,1,2- | | | | | | | | | | | | | | Total |
| Referenced | Sample ID | Date | Depth | Acetone | Dichloroethene | Dichloroethane | Dichloroethene | 2-Butanone | Trichloroethane | Trichloroethene | Trichloroethane | Vinyl Chloride | Arsenic | Barium | Berylium | Cadmium | Chromium | Copper | Lead | Selenium | Silver | Mercury | Nickel | Zinc | Cyanide |
| | MTCA Method C (industrial) Cleanup | Levels | | 3.15E+06 | 175000 | 700000 | 7000 | NE | 7.00E+06 | 0.03* | 2300 | 0.67 | 87.5 | 7.00E+05 | 7000 | 3500 | 1.05E+04 | 1.40E+05 | NE | 1.75E+04 | 1.75E+04 | NE | NE | 1.05E+06 | 2100 |
| | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) |
| GHD 2018 | 062175-20180418-SO-BP-SSW-1 | 4/18/2018 | 5 | | <0.0052 | 0.001 | 0.023 | | <0.0018 | <0.0018 | <0.0018 | <0.0018 | | | | | | | | | | | | | |
| GHD 2018 | 062175-20180418-SO-BP-BOT-1 | 4/18/2018 | 10 | | < 0.0053 | 0.0026 | 0.15 | | <0.0021 | <0.0021 | <0.0021 | <0.0021 | | | | | | | | | | | | | |
| GHD 2018 | 062175-20180419-SO-BP-BOT-2 | 4/19/2018 | 5 | | <0.0058 | < 0.0012 | 0.14 | | < 0.0023 | <0.0023 | < 0.0023 | < 0.0023 | | | | | | | | | | | | | |
| GHD 2018 | 062175-20180419-SO-BP-SSW-2 | 4/19/2018 | 5 | | 0.88 | 0.068 | 0.044 | | <0.0017 | 0.052 | <0.0017 | <0.0017 | | | | | | | | | | | | | |
| GHD 2018 | 062175-20180419-SO-BP-ESW-1 | 4/19/2018 | 6 | | < 0.0042 | | 0.018 | | < 0.0017 | <0.0017 | <0.0017 | <0.0017 | | | | | | | | | | | | | |
| GHD 2018 | 062175-20180419-SO-BP-BOT-3 | 4/19/2018 | 10 | | <0.0057 | <0.0011 | < 0.0034 | | < 0.0023 | < 0.0023 | < 0.0023 | < 0.0023 | | | | | | | | | | | | | |
| GHD 2018 | 062175-20180420-SO-BP-ESW-2 | 4/20/2018 | 10 | | <0.0057 | <0.0011 | < 0.0034 | | <0.0023 | < 0.0023 | < 0.0023 | < 0.0023 | | | | | | | | | | | | | |
| GHD 2018 | 062175-20180420-SO-BP-SSW-3 | 4/20/2018 | 5 | | <0.0047 | 0.001 | <0.0028 | | <0.0019 | < 0.0019 | < 0.0019 | <0.0019 | | | | | | | | | | | | | |
| GHD 2018 | 062175-20180420-SO-BP-BOT-4 | 4/20/2018 | 10.5 | | <0.0061 | < 0.0012 | < 0.0037 | | < 0.0024 | < 0.0024 | <0.0024 | <0.0024 | | | | | | | | | | | | | |
| GHD 2018 | 062175-20180420-SO-BP-ESW-3 | 4/20/2018 | 5 | | <0.0050 | <0.0010 | < 0.0030 | | <0.0020 | <0.0020 | <0.0020 | <0.0020 | | | | | | | | | | | | | |
| GHD 2018 | 062175-20180420-SO-BP-NSW-2 | 4/20/2018 | 5 | | 0.022 | 0.021 | 0.0088 | | < 0.0019 | 0.032 | < 0.0019 | <0.0019 | | | | | | | | | | | | | |
| GHD 2018 | 062175-20180420-SO-BP-WSW-2 | 4/20/2018 | 5 | | 0.0097 | 0.027 | 0.014 | | <0.0018 | 0.048 | <0.0018 | <0.0018 | | | | | | | | | | | | | |

<u>Notes</u> MTCA = Model Toxics Control Act

VOCs = Volatile organic compounds analyzed by EPA Method 8260B; see Analytical Resources Incorporated August 27, 2008 analytical report for full list of VOCs analyzed. Metals analyzed by EPA Method 6010B, except for mercury which was analyzed by EPA Method 7471A; see Analytical Resources Incorporated August 27, 2008 analytical report for full list of metals analyzed. Total cyanide analyzed by method SM4500CN-1

mg/kg = milligrams per kilogram

-- = Not analyzed
 -x = Not detected above laboratory reporting limit x.
 Bolded concentrations indicate the concentration value exceeded the Washington State Department of Ecology Model Toxics Control Act Method A cleanup levels.

NE = Not Established

N/A = Not Applicable or not provided

* Based on MTCA Method A Cleanup Level for Industrial Properties

***Additional concentrations exceeded laboratory detection limits. For complete results, see analytical laboratory report.

A = CB-1 is a stormwater catch basin sediment sample

B = Concentration based on reanalysis of initial soil sample due to required dilution All data prior to 2014 was obtained from Golder Associates *Phase II Environmental Site Assessment* report dated October 1, 2012.

Summary of Soil Vapor Analytical Data Protective Coatings Facility 1215 2nd Avenue North and 1208 4th Avenue North Kent, Washington

| | | | | | VOCs | | | | | | | | | | | | | | | | | | | |
|----------------------|----------------------|--------------------|----------------|------------------------|------------|---------|--------------|------------|----------|-----------------------|--------------------|------------------------|-------------------------|-------------|--------------|------------|---------------|--------------------------|----------|----------|--------------------|-------------------------|-----------------------|----------------|
| Report Referenced | Soil Gas Probe ID | Sample ID | Sample Date | Sample Type | Benzene | Toluene | Ethylbenzene | m,p-Xylene | o-Xylene | 1,1,1-Trichloroethane | 1,1-Dichloroethane | 1,2,4-Trimethylbenzene | 1,2-Dibromoethane (EDB) | 2-Propanol | Bromomethane | Chloroform | Chloromethane | (cis) 1,2-Dichloroethene | Freon 11 | Freon 12 | Methylene Chloride | Tetrachloroethene (PCE) | Trichloroethene (TCE) | Vinyl Chloride |
| ΜΤΟΑΙ | Method C (ind | dustrial) - Soil G | as Screenin | a Levels ¹ | 107 | 167000 | 33300 | 3330 | 3330 | 167000 | 521 | 233 | 1.39 | | 167 | 36.2 | 3000 | NE | | | 83300 | 3210 | 67 | 93.3 |
| MTCA | Method C (inc | dustrial) - Indoo | r Air Cleanu | p Levels ¹ | 30 | 5000 | 1000 | 100 | 100 | 5000 | 15.6 | 7 | 9 | | 5 | 98 | 90 | NE | | | 600 | 96.2 | 2.0 | 100 |
| | , | , | | • | µg/m³ | µg/m³ | µg/m³ | µg/m³ | µg/m³ | µg/m³ | µg/m³ | µg/m³ | µg/m³ | µg/m³ | µg/m³ | µg/m³ | µg/m³ | µg/m³ | µg/m³ | µg/m³ | µg/m³ | µg/m³ | µg/m³ | µg/m³ |
| | | | | | | | | | | | | | | | | | | | | | | | | |
| Golder 2012 | SG-2 | SG-2-12" | 7/10/2012 | Soil Gas | | 17 | 4.6 | 17 | 6.7 | 110 | 7.2 | | | 87 | 14 J | | | 1.7 | | | | <2.1 | 1,200 | < 0.4 |
| Golder 2012 | SG-3 | SG-3-12" | 6/28/2012 | Soil Gas | < 0.25 | 1./ | 0.28 | 1.1 | 0.42 | | | | | 2.0 | | | | < 0.12 | 2.1 | 2.3 | | 0.29 | 7.8 | <0.04 |
| Golder 2012 | SG-33 | | 6/28/2012 | Soll Gas | 0.24 10 | 1.0 | 0.29 | 1.0 | 0.40 | | | | | 1.8 J 54 | | | | <0.1Z | 2.3 | 2.3 | | 0.28 | C. 1 | < 0.04 |
| Golder 2012 | 36-4 | SG-4-9 Ambient | 0/20/2012 | Ambient 4 hr | 19 | 15 | | | | | | | | 54 | | | | 30 | | | | 99 | 4,000 | ~0. 5 |
| Golder 2012 | A1* | Outdoor Air | 6/28/2012 | Exterior | 0.94 | 38 | 2 | 10 | 3.6 | | | | | 84 | | | 0.81 | <0.26 | | 1.7 | | <0.45 | 140 | <0.08 |
| Coldor 2012 | Amb 1* | Ambient | 7/10/2012 | Ambient 0.5 hr | | | | | | | | | | | | | | | | | | | | |
| Golder 2012 | | Outdoor Air | 1/10/2012 | Exterior | | 71 | 3.2 | 11 | 3.8 | | | | | 830 | | | | <1.2 | | <7.2 | | <2.0 | 26 | <0.37 |
| Colder 2012 | | Interior 1 | 0/10/2012 | Ambient 8 hr | | | | | | | | | | | | | | | | | | | | |
| Golder 2012 | AA-INT-T | Interior-1 | 0/10/2012 | Evening | 0.56 | 21 | 1.1 | 4.0 | 1.3 | | | 0.84 | | 94 | | | 0.85 | <0.12 | 1.1 | 2.2 | | <0.21 | 22 | <0.041 |
| | | | | Ambient 8 hr | 0.00 | | | | | | | 0.01 | | • | | | 0.00 | 0 | | | | 0.2. | | 01011 |
| Golder 2012 | AA-INT-2 | Interior-2 | 8/18/2012 | Non-Operational | | | | | | | | | | | | | | | | | | | | |
| | | | | Evening | 0.56 | 26 | 1.4 | 5.0 | 1.6 | | | 1.0 | | 120 | | | 0.9 | <0.13 | 1.2 | 2.3 | | <0.22 | 23 | <0.04 |
| Colder 2012 | | Interior 2 | 0/10/2012 | Ambient 8 hr | | | | | | | | | | | | | | | | | | | | |
| Golder 2012 | AA-INT-5 | Interior-3 | 0/10/2012 | Fvening | 0.83 | 37 | 2.1 | 7.9 | 2.6 | | | | | 210 | | | 1.3 | <0.12 | | 2.8 | | <0.21 | 42 | <0.1 |
| | | | | Ambient 8 hr | 0.00 | 01 | | | | | | | | | | | | 0 | | | | • | | |
| Golder 2012 | AA-EXT-1 | Exterior-1 | 8/18/2012 | Non-Operational | | | | | | | | | | | | | | | | | | | | |
| | | | | Evening | 0.51 | 3.4 | 0.36 | 1.1 | 0.39 | | | | | | | | 1.2 | <0.32 | 1.1 | 2.3 | | <0.54 | 0.23 | <0.04 |
| | | | | Ambient 8 hr | | | | | | | | | | | | | | | | | | | | |
| Golder 2012 | AA-INT-1 | Interior-1 | 9/6/2012 | Operational | 0.49 | 0.2 | 0.67 | 2.2 | 0.07 | | | | ~1.2 | 76 1 | | | 0.00 | ~0.12 | 1.0 | 2.2 | 70 | ~0.22 | Б | ~0.042 |
| | | | | Δayume Ambient 8 br | 0.40 | 9.2 | 0.07 | 2.2 | 0.97 | | | | ×1.5 | 70 J | | | 0.90 | ~ 0.13 | 1.0 | 2.2 | 1.5 | ~0.22 | 5 | ∼0.04 ∠ |
| Golder 2012 | AA-INT-2 | Interior-2 | 9/6/2012 | Operational | | | | | | | | | | | | | | | | | | | | |
| | | | | Daytime | 0.44 | 8.7 | 0.66 | 2.4 | 1.1 | | | 0.92 | <1.3 | 76 J | | | 0.98 | <0.13 | 1.1 | 2.2 | 6.8 | <0.22 | 4.8 | <0.042 |
| | | | | Ambient 8 hr | | | | | | | | | | | | | | | | | | | | |
| Golder 2012 | AA-INT-3 | Interior-3 | 9/6/2012 | Operational | | . – | | | | | | | | | | | | | | | | | | |
| | | | | Daytime | 0.46 | 9.7 | 0.77 | 2.8 | 1.3 | | | 1 | <1.2 | 83 J | | | 1.1 | <0.13 | 1.1 | 2.3 | 8.7 | <0.22 | 5.7 | <0.041 |
| Coldor 2012 | | Extorior 1 | 0/6/2012 | Amplent 8 nr | | | | | | | | | | | | | | | | | | | | |
| | AA-EA - | EXIGNUI-1 | 3/0/2012 | Davtime | 0.43 | 5.3 | 0.43 | 1.4 | 0.49 | | | | <1.3 | 14 J | | | 0.96 | <0.13 | 1.1 | 2.2 | 6 | 0.23 | 4.9 | <0.042 |
| | | | | Ambient 8 hr | | | | | | | | | | | | | | | | | - | | | |
| Golder 2012 | AA-EXT-2 | Exterior-2 | 9/6/2012 | Operational | | | | | | | | | | | | | | | | | | | | |
| | | | | Daytime | 0.5 | 7.1 | 0.48 | 1.6 | 0.58 | | | | <1.2 | 4.5 J | | 0.94 | 1.0 | <0.14 | 1.1 | 2.2 | 9.8 | <0.23 | 13 | <0.044 |

Summary of Soil Vapor Analytical Data Protective Coatings Facility 1215 2nd Avenue North and 1208 4th Avenue North Kent, Washington

<u>Notes</u>

MTCA = Model Toxics Control Act

¹ State of Washington Department of Ecology, *Guidance for Evaluating Soil Vapor Intrusion in Washington State: Investigation and Remedial Action*, October 2009 [DRAFT] VOCs = Volatile organic compounds analyzed by EPA Method TO-15 (modified); See analytical laboratory report for a full list of VOCs analyzed.

µg/m3 = micrograms per cubic meter

-- = Not analyzed/Not established

<x = not detected above laboratory reporting limit x</pre>

J = Estimated value due to a QC deficiency, or value below the reporting limit.

Data values in bold indicate the concentration exceeded the MTCA Method C soil gas screening levels and/or indoor air cleanup levels

* Ambient air samples collected from outdoor air during soil gas sampling; A-1 was collected adjacent to SG-2, and AMB-1 was collected midway between SG-3 and SG-4. All data prior to 2014 provided in Golder Associates *Phase II Environmental Site Assessment* report dated October 1, 2012.

Appendices
Appendix A

Summary of Previous Investigations/Remedial Activities and Environmental Documents List

Appendix A Summary of Previous Investigations

2004 Investigation

In 2004, Krazan & Associates (Krazan) completed a subsurface investigation on the Property. The scope of work completed was unavailable to GHD. However, the results of the investigation, as reported by Golder and Associates (Golder) in 2012, indicate that cadmium exceeded the Model Toxics Control Act (MTCA) unrestricted land use cleanup levels in a soil sample collected northwest of the wastewater treatment plant. Arsenic was detected in all groundwater samples at concentrations ranging from 0.035 to 0.17 milligram per liter (mg/L), which exceeded the MTCA unrestricted land use cleanup level of 0.005 mg/L. Chromium was also detected above the MTCA unrestricted land use cleanup level in one groundwater sample.

2008 Investigation

In 2008, Golder conducted an initial Phase II Environmental Site Assessment (ESA). Three groundwater monitoring wells (MW-1, MW-2, and MW-3) were installed at the northwest corner of the Property. Soil samples were collected from each boring and submitted for laboratory analysis. Soil samples collected from boring MW-3 at depths ranging from approximately 1 to 3 feet below ground surface (bgs) exceeded the MTCA unrestricted land use cleanup level for trichloroethene (TCE). A hand auger boring (HA-1) was advanced in an area where a TCE solvent tank was formerly located. Laboratory analysis of a soil sample collected from 0.5 foot bgs exceeded the MTCA unrestricted land use cleanup level for cadmium. A sediment sample from a storm catch basin sump (CB-1) located near the northwest corner of the Property was also collected for analysis. The sample exceeded the MTCA unrestricted land use cleanup levels for TCE and cadmium. Groundwater samples were collected from each of the three monitoring wells. Concentrations of vinyl chloride and (cis) 1,2-dichloroethene ((cis) 1,2-DCE) exceeded the MTCA unrestricted land use cleanup levels in well MW-3.

In addition, Golder performed field infiltration testing within the plating area. In the plating area, multiple gravity-fed trenches discharge process wastewater generated from operations into a central sump. The process wastewater is routed from the trenches into the sump and eventually to the wastewater treatment facility. The objective of the testing was to determine if potential releases within the sump had the potential to impact groundwater. The results of the test indicated that there is a potential leakage of less than 4 gallons per day (Golder, *Phase II Environmental Site Assessment*, October 1, 2012).

2012 Investigation

In August 2012, Golder performed a facility audit and learned that the original gravity-fed trench system in the production area (tested in 2008) had been replaced with an active pump system. This system upgrade reportedly included re-sealing all of the collection /drainage trenches. The pumps were designed to remove fluids from the trenches when a pre-set volume is reached. Fluids within the trench are pumped to the on-Property wastewater treatment system for processing before being discharged into the King County sanitary sewer system under permit.

In 2012, Golder conducted a Phase II ESA. Five groundwater monitoring wells (MW-4 through MW-8) were installed at the northeast corner of the Property and in the western portion of the Property. Soil samples were not collected for laboratory analyses. In addition, Golder attempted to collect subsurface soil gas samples from four locations (SG-1 through SG-4) during three field events. Three successful samples were collected for analyses (SG-2, SG-3, and SG-4). TCE was identified as the highest of all compounds detected in subsurface samples at locations SG-2 and SG-4. The TCE concentrations exceeded the applicable soil gas screening levels indicating a potential for an elevated risk of vapor

intrusion into the 1208 4th Avenue North building. Following the results of the subsurface soil gas sampling, Golder collected indoor and exterior ambient air samples within the 1208 4th Avenue North buildings during facility operations and after hours over an 8-hour period. TCE was detected in all ambient air samples; however, Golder concluded that the contaminant detections in ambient air samples were likely not derived from soil gas, but were resulting from facility operations. Further discussion of soil gas and indoor air is included in Section 4.6.

2015 Investigation

In May 2015, GHD conducted a soil and groundwater investigation to delineate the vertical and lateral extent of volatile organic compounds (VOCs) and metal (cadmium) contamination in soil in the vicinity of HA-1, MW-3, CB-1, SG-2, SG-3, and SG-4, and to delineate the lateral extent of groundwater impacts beyond well MW-3. GHD advanced eight soil borings (SB-1 through SB-7 and MW-9) using a combination of air knife/ vacuum, direct push, and hollow-stem auger drilling to depths between 16.5 and 30 feet bgs. No soil concentrations exceeded MTCA Method C cleanup levels. The boring logs and well construction details are presented in Appendix A. Soil boring locations are presented on Figure 4.

2017 Investigation

In May 2017, GHD conducted a soil investigation to delineate the lateral extent of VOC contamination in soil within the proposed soil excavation area. GHD advanced four soil borings (SB-14 through SB-17) using a combination of air knife/ vacuum and direct push drilling to a depth of 10 feet bgs. TCE was detected in SB-17 at 5 feet bgs. The sample collected at 10 feet bgs from SB-17 did not contain any concentrations exceeding MTCA Method C cleanup levels. The boring logs and well construction details are presented in Appendix B. Soil boring locations are presented on Figure 3.

2018 Interim Remedial Excavation

During April and May 2018, GHD performed a remedial excavation to remove TCE impacted soils. The excavation area was approximately 23-feet by 23-feet, located in the central portion of the Property, within Bunker 2, in the vicinity of MW-3. The total excavation depth was between 9 and 13 feet bgs based on field screening. A total of approximately 307 tons of impacted soil was removed. The excavation was dewatered as needed by pumping accumulated groundwater and a total of approximately 1,330 gallons of water was removed. After collecting confirmation soil samples but prior to backfilling the excavation area, GHD applied 800 pounds (lbs) of 3-D Microemulsion (3DMe) to the base of the excavation to support insitu degradation of any remaining TCE impacts.

The remedial excavation removed the majority of the residual mass in soil, as indicated by confirmatory soil sampling. Minimal residual TCE impacts remain above the MTCA Method C cleanup level near the southwest and northeast excavation corners at a depth of approximately 5 feet bgs. No TCE was detected in groundwater after the first second quarter 2018 post remediation monitoring event indicating that leaching is not occurring.

Appendix B Soil Boring/Well Logs

Conestoga-Rovers & Associates **BORING/WELL LOG** 20818 44th Avenue West, Suite 190 Lynnwood, WA 98036 Telephone: 425-563-6500 Fax: 425-563-6599 CLIENT NAME PCC Aerostructures BORING/WELL NAME HA1 02-Aug-08 JOB/SITE NAME Pro-Coatings **DRILLING STARTED** DRILLING COMPLETED 02-Aug-08 LOCATION 1215 2nd Avenue North, Kent, Washington PROJECT NUMBER 062175 WELL DEVELOPMENT DATE (YIELD) NA ESN Drilling NA DRILLER GROUND SURFACE ELEVATION Power Probe 90 DRILLING METHOD TOP OF CASING ELEVATION NA Unknown BORING DIAMETER SCREENED INTERVAL NA ∇ LOGGED BY **Golder Associates** DEPTH TO WATER (First Encountered) NA V **REVIEWED BY DEPTH TO WATER (Static)** NA REMARKS Borehole logged by Golder Associates (GA). Assumptions and interpretations made by CRA based on field observations provided by GA. CONTACT DEPTH (fbg) GRAPHIC LOG PID (ppm) BLOW U.S.C.S. EXTENT DEPTH (fbg) SAMPLE I SOIL DESCRIPTION WELL DIAGRAM HA1-0.5-SAND with fine to coarse gravel (SP); light brown. 080208 SP 4.0 5 Note: Field logs provided in GA's Phase II Environmental Bottom of Site Assessment Report dated October 1, 2012. Boring @ 4 ft 10 15 20 25

WELL LOG (PID) 1:SONOMA-1: PUBIO-USERSIMDUTRAIDRAFTR-1/062175-1/062175-2/062175-SO-GINT.GPJ DEFAULT.GDT 12/30/14

30

35



WELL LOG (PID) 1:\SONOMA~1.PUB\0-USERS\MDUTR4\DRAFTR~1\062175~1\062175~2\062175-2

Conestoga-Rovers & Associates 20818 44th Avenue West, Suite 190 Lynnwood, WA 98036 Telephone: 425-563-6500 Fax: 425-563-6599

BORING/WELL LOG

| CLIENT NAME | PCC Aerostructures | BORING/WELL NAME MW-1 | |
|------------------|---|--|---------------------------------|
| JOB/SITE NAME | Pro-Coatings | DRILLING STARTED 02-Aug-08 | |
| LOCATION | 1215 2nd Avenue North, Kent, Washington | DRILLING COMPLETED 02-Aug-08 | |
| PROJECT NUMBER | 062175 | WELL DEVELOPMENT DATE (YIELD) N | A |
| DRILLER | ESN Drilling | _ GROUND SURFACE ELEVATION | Α |
| DRILLING METHOD | Power Probe 90 | _ TOP OF CASING ELEVATION _ 38.94 ft ab | ove msl |
| BORING DIAMETER | Unknown | SCREENED INTERVAL 7 to 17 fbg | |
| LOGGED BY | Golder Associates | _ DEPTH TO WATER (First Encountered) | 9.0 ft (02-Aug-08) |
| REVIEWED BY | | DEPTH TO WATER (Static) | 9.41 ft (12-Aug-08) |
| REMARKS Borehold | e logged by Golder Associates (GA). Assumptions | and interpretations made by CRA based on fie | ld observations provided by GA. |

CONTACT DEPTH (fbg) ₽ GRAPHIC LOG (mdd) BLOW DEPTH (fbg) U.S.C.S. SAMPLE I EXTENT SOIL DESCRIPTION WELL DIAGRAM ₽ n SPHAI ASPHALT 0.5 Fine SAND; some silt, medium dense, light brown, dry, Portland Type I/II few 1" diameter gravel, no odor. SP MW1-2-080208 0 3.0 SM 3.5 Silty SAND ; medium dense, fine sand, gray, dry, Bentonite Seal occasional gravel, no odor. Fine SAND with Silt ; graded to medium SAND, dark SP 5 gray, dry, medium dense, occasional fine gravel, no odor. 6.0 OH Organic SILT with Sand ; medium dense, dark 6.5 brown/black, moist, pieces of wood and gravel, no odor. Fine SAND; loose, dark gray, slightly moist. @7.6' - grading to medium SAND with depth, loose, dark ¥ gray, wet, occasional organics. SP 10 Monterey Sand #2/12 @11.5' - loose, dark gray, wet, little Silt. 2" diam., Schedule 40 PVC 13.2 SILT with some fine sand ; grading to SILT with some ML clay, soft, olive gray, wet. 15.2 15 Silty SAND or Sandy SILT ; dark gray, wet, (observed from cuttings). SM 18.0 Note: Field logs provided in GA's Phase II Environmental Bottom of 20 Site Assessment Report dated October 1, 2012. Boring @ 18 ft 25 30 35

20818 44th Avenue West, Suite 190 Lynnwood, WA 98036 Telephone: 425-563-6500 Fax: 425-563-6599 BORING/WELL NAME MW-2 CLIENT NAME **PCC** Aerostructures 02-Aug-08 DRILLING STARTED JOB/SITE NAME **Pro-Coatings** DRILLING COMPLETED 02-Aug-08 1215 2nd Avenue North, Kent, Washington LOCATION WELL DEVELOPMENT DATE (YIELD) NA PROJECT NUMBER 062175 NA **ESN Drilling** GROUND SURFACE ELEVATION DRILLER TOP OF CASING ELEVATION _ 38.71 ft above msl DRILLING METHOD Power Probe 90 SCREENED INTERVAL 7 to 17 fbg Unknown BORING DIAMETER DEPTH TO WATER (First Encountered) _____9.0 ft (02-Aug-08) LOGGED BY **Golder Associates** V 8.82 ft (12-Aug-08) **REVIEWED BY DEPTH TO WATER (Static)** Borehole logged by Golder Associates (GA). Assumptions and interpretations made by CRA based on field observations provided by GA. REMARKS CONTACT DEPTH (fbg) GRAPHIC LOG (mdd) BLOW DEPTH U.S.C.S. EXTENT SAMPLE (fbg) SOIL DESCRIPTION WELL DIAGRAM PID SPHAL ASPHALT 0.9 SP 1.5 Portland Type I/II SAND with Gravel ; fine and medium sand, light brown, dry, no odor (Fill). <u>SILT with Sand</u> ; light brown, dry, occasional gravels up 0 MW2-2-080208 ML to 2" diameter, no odor (Fill). 3.7 Bentonite Seal SE Fine SAND and SILT with fine Gravel (SP-ML); dark 4.0 gray, dense, dry, no odor. 5 SILT and Fine SAND with fine to coarse Gravel (ML-SP); ML dense, dark gray, dry, no odor. 7.3 @7' - SILT with Sand and Organics ; dark brown, dry, no odor. Fine SAND and SILT (SP-ML); medium dense, dry, no ¥ SP odor. @8'- Fine SAND with trace Silt ; loose, dark gray, wet, 10 no odor. Monterey Sand @10.5' - loose, dark gray, wet, no odor. 11.5 #2/12 SILT ; no odor, wet. 11.7 2" diam., Schedule SP 12.5 Fine SAND; loose, dark gray, wet, no odor. 40 PVC @12' - trace organics, loose, dard gray, wet, no odor. ML SILT and fine SAND (ML-SP); grading to having trace clay with depth, soft, dark gray, wet, occasional organics, 15.0 no odor. 15 No recovery. 18.0 Note: Field logs provided in GA's Phase II Environmental Bottom of Site Assessment Report dated October 1, 2012. Boring @ 18 ft 20 25 30 35

Conestoga-Rovers & Associates

PAGE 1 OF 1



Conestoga-Rovers & Associates 20818 44th Avenue West, Suite 190 Lynnwood, WA 98036 Telephone: 425-563-6500 Fax: 425-563-6599

| CLIENT NAME | PCC Aerostructures | BORING/WELL NAME MW-3 | |
|------------------|---|--|-----------|
| JOB/SITE NAME | Pro-Coatings | DRILLING STARTED 02-Aug-08 | |
| LOCATION | 1215 2nd Avenue North, Kent, Washington | DRILLING COMPLETED02-Aug-08 | |
| PROJECT NUMBER | 062175 | WELL DEVELOPMENT DATE (YIELD) NA | _ |
| DRILLER | ESN Drilling | GROUND SURFACE ELEVATION NA | |
| DRILLING METHOD | Power Probe 90 | TOP OF CASING ELEVATION 38.68 ft above msl | |
| BORING DIAMETER | Unknown | SCREENED INTERVAL 6 to 16 fbg | |
| LOGGED BY | Golder Associates | DEPTH TO WATER (First Encountered) 9.0 ft (02-Aug-08) | Z |
| REVIEWED BY | | DEPTH TO WATER (Static) 9.41 ft (12-Aug-08) | Z |
| REMARKS Borehole | e logged by Golder Associates (GA). Assumptions a | nd interpretations made by CRA based on field observations provided by G | <u>A.</u> |

| | PID (ppm) | BLOW COUNTS | SAMPLE ID | EXTENT | DEPTH (fbg) | U.S.C.S. | GRAPHIC LOG | SOIL DESCRIPTION | TONTIADO | CONTACT DEPTH (fbg) | WEL | L DIAGRAM |
|---|-----------|----------------|------------------|--------|---------------------|-------------------|----------------|---|-------------|------------------------|-----|--|
| | 0 | | MW3-1- 080208 | | | ONCRE GM SP | | CONCRETE with round rock subgrade . Silty GRAVEL (GM); dense, light yellow brown, dry, no odor (Fill). Fine SAND to medium gravel; dense, light gray, dry, no odor. SILT with fine to medium gravel; dense, light gray, dry, | 0 1 2 |).5 .3 2.4 | | Portland Type I/II Bentonite Seal |
| 4 | 0 | | | | - 5 - | ML | | <u>Sandy SILT with fine sub-rounded gravel</u>; dense, light brown, grading to light gray, dry, no odor. @6.5' - <u>SILT</u>; dense, medium gray, dry, occasional fine gravels, no odor. (@7.6' - SILT with fine sand lenses ; soft, dark gray. | _8 | 3.0 | | |
| DEFAULT.GDT 12/30/1 | | | | | 10 | SM | | <u>moist, no odor.</u> <u>Silty SAND</u> ; fine sand, few SILT lenses in upper 2 feet, loose, dark gray, wet. 12' - dark gray, wet. | ¥ | | | Monterey Sand #2/12 2" diam., Schedule 40 PVC |
| 2175-SO-GINT.GPJ | | | | | —15— | ML | | SILT with fine SAND ; dark grayish brown, medium stiff, wet, few thin SAND lenses and organics at 14.5'. | 1 | 3.5 | | |
| <pre>\FTR~1\062175~1\062175~2\062</pre> | | | | | - 20 | | | Note: Field logs provided in GA's Phase II Environmental Site Assessment Report dated October 1, 2012. | | | | Bottom of Boring @ 16 ft |
| USERS/MDUTRA/DR/ | | | | | - 25 - - | | | | | | | |
| 3 (PID) INSONOMA~1. PUBIO-1 | | | | | - 30 - - - | | | 2 | | | | |
| WELL LO | | atilazationa | | | - 35 - | | | | | | | PAGE 1 OF 1 |



WELL LOG (PID) I:SONOMA-1:PUBIO-USERSIMDUTRAIDRAFTR-1/062175-1/062175-2/062175-SO-GINT. GPJ DEFAULT.GDT 12/30/14

Conestoga-Rovers & Associates 20818 44th Avenue West, Suite 190 Lynnwood, WA 98036 Telephone: 425-563-6500 Fax: 425-563-6599

| CLIENT I JOB/SITI LOCATIC PROJEC DRILLEF DRILLIN BORING LOGGEE REVIEW | NAME E NAME DN T NUMBEI R G METHOI DIAMETEI D BY ED BY | PC Pr 12 R 06 ES D Ge R 8" Go | CC Aerosti o-Coating: 15 2nd Av 2175 SN Drilling eo Probe 7 older Asso | ructures s renue No 780 ciates | orth, K | ent, Washington | BORING/WELL NAME MW-4 DRILLING STARTED 20-Jun-12 DRILLING COMPLETED 20-Jun-12 WELL DEVELOPMENT DATE (YIELD) NA GROUND SURFACE ELEVATION NA TOP OF CASING ELEVATION 36.63 ft above msl SCREENED INTERVAL 5 to 15 fbg DEPTH TO WATER (First Encountered) 7.0 ft (20-Jun-12) DEPTH TO WATER (Static) 6.41 ft (29-Jun-12) | | | | | | |
|---|--|--|--|--|-----------------------|------------------------|---|----------------------------|-------------------------------|-----|---|--|--|
| (mdd) CI | Bore BROM COUNTS COUNTS | SAMPLE ID | EXTENT DEPTH (fbg) (fbg) | older Ass S S S S | CRAPHIC LOG LOG | es (GA). Assumptions a | nd interpretations made by | / CRA based on | CONTACT aid DEPTH (fbg) po | WEL | <u>; provided by GA</u> . L DIAGRAM | | |
| | | | | | | No soil description a | vailable. /ided in GA's Phase II Envi port dated October 1, 2012 | y ∑ ironmental 2. | 15.5 | | Concrete Bentonite Seal Monterey Sand #2/12 2"-diam., 0.010" Slotted Schedule 40 PVC Bottom of Boring @ 15.5 ft | | |



WELL LOG (PID) I:ISONOMA~1.PUBIO-USERSIMDUTRAIDRAFTR~1/062175~1/062175~2/062175-SO-GINT.GPJ DEFAULT.GDT 12/30/14

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BORING/WELL LOG

| CLIENT NAME | PCC Aerostructures | BORING/WELL NAME MW-5 | | |
|-----------------|---|--|---------------------|---------------------|
| JOB/SITE NAME | Pro-Coatings | DRILLING STARTED 20-Jun-12 | | |
| LOCATION | 1215 2nd Avenue North, Kent, Washington | DRILLING COMPLETED20-Jun-12 | | |
| PROJECT NUMBER | 062175 | WELL DEVELOPMENT DATE (YIELD) N | A | |
| DRILLER _ | ESN Drilling | GROUND SURFACE ELEVATION | A | |
| DRILLING METHOD | Geo Probe 780 | TOP OF CASING ELEVATION _ 37.07 ft abo | ove msl | |
| BORING DIAMETER | 8" | SCREENED INTERVAL 5 to 15 fbg | | |
| LOGGED BY | Golder Associates | DEPTH TO WATER (First Encountered) | 6.5 ft (20-Jun-12) | $\overline{\Delta}$ |
| REVIEWED BY | | DEPTH TO WATER (Static) | 6.89 ft (29-Jun-12) | Ţ |
| | | | | |

REMARKS Borehole logged by Golder Associates (GA). Assumptions and interpretations made by CRA based on field observations provided by GA.

| PID (ppm) | BLOW COUNTS | SAMPLE ID | EXTENT | DEPTH (fbg) | U.S.C.S. | GRAPHIC LOG | SOIL DESCRIPTION | CONTACT DEPTH (fbg) | WEL | L DIAGRAM |
|-----------|----------------|-----------|--------|--|-----------------------|--|--|------------------------------------|-----|--|
| | COUN | SAMPL | EXTE | Ggy 7 - - -< | SM SM CL ML | Contraction of the second | SOIL DESCRIPTION ASPHALT Slity SAND; fine to coarse grain, well graded, with trace sub-angular gravel, gray, dense, moist (Fill). @2.5' - fine to medium grain, poorly graded, with trace sub-angular peaty organics, gray, moist (Fill). @4' - fine to coarse grain, well graded, brown, loose, moist, with trace organics and trace remnant topsoil. SILT; trace fine sand, trace clay, gray, loose, wet. Silty CLAY; stratified, gray, medium stiff, wet. SILT; trace fine sand, loose, wet. Note: Field logs provided in GA's Phase II Environmental Site Assessment Report dated October 1, 2012. | 0.1 5.0 11.0 14.0 15.0 | | L DIAGRAM Concrete Bentonite Chips Monterey Sand #2/12 2"-diam., 0.010" Slotted Schedule 40 PVC Bottom of Boring @ 15.5 ft |
| | | | | - 30 - - - - 35 - | - - - - - | | | | | |



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| CLIENT | NAME | 1 | PCC / | Aerost | ucture | s | | | | BORING/WELL NAME | N | 1W-6 | | | | | | |
|---------|-----------|----------|-------|----------|------------|--------|----------|-------------|-------|----------------------------------|-------|---------|--------|---------|-----------|-----------|---------------------|--|
| JOB/SIT | E NAME | 1 | Pro-C | oating | 5 | | | | | DRILLING STARTED | 2 | 1-Jun- | 12 | | | | | |
| LOCATI | ON | | 1215 | 2nd Av | enue | North, | Kent, Wa | ashington | | DRILLING COMPLETED21-Jun-12 | | | | | | | | |
| PROJEC | T NUMBER | २ (| 06217 | 75 | | | | | | WELL DEVELOPMENT DATE (YIELD) NA | | | | | | | | |
| DRILLEI | R | | ESN I | Drilling | <i>t</i> . | | | | | GROUND SURFACE ELE | VAT | ION | | NA | | | | |
| DRILLIN | IG METHOD | o(| Geo F | Probe 7 | '80 | | | | | TOP OF CASING ELEVAT | TION | 39.4 | 4 ft a | bove i | nsl | | | |
| BORING | | R 8 | 3" | | | | | | | SCREENED INTERVAL 5 to 15 fbg | | | | | | | | |
| LOGGEI | D BY | (| Golde | r Asso | ciates | | | | | DEPTH TO WATER (First | t Enc | counter | red) | 8.0 | ft (21-Ju | ın-12) | $\overline{\Delta}$ | |
| REVIEW | /ED BY | | | _ | | | | | | DEPTH TO WATER (Stati | ic) | | | 9.4 | 0 ft (29 | Jun-12) | X | |
| REMAR | KS Bore | ehole le | oggeo | l by Go | older A | ssocia | tes (GA) | . Assumptio | ons a | nd interpretations made by | CR/ | A based | d on f | ield ok | oservatio | ns provid | <u>ed by GA</u> . | |
| (ÎL | S | Q | F | т | <i>s</i> i | l S | | | | | | | ł | (jag) | | | | |

| | PID (ppm | BLOW | SAMPLE | EXTENT | DEPTH (fbg) | U.S.C.S | GRAPHIC | SOIL DESCRIPTION | | CONTAC DEPTH (ft | WEL | L DIAGRAM |
|--|----------|------|--------|--------|---|---------|---|---|--------|----------------------------|-----|--|
| JBIO-USERSIMDUTRAIDRAFTR~1/062175~1/062175-2/062175-SO-GINT.GPJ DEFAULT.GDT 12/30/14 | PID (ppm | BLOW | SAMPLE | EXTEN | HLdgg | S. CL | OF TO A DECEMBENT OF TO A DECEMPTOR | ASPHALT Silty SAND; fine to coarse grain, well graded, with fine to coarse gravel, gray, dense, moist (Fill). SILT; some peaty organics, brown, medium stiff, moist. @8' - Sandy SILT; trace fine sand, trace organics, gray, loose, wet. Silty CLAY ; trace peaty organics, gray, stiff, wet. Note: Field logs provided in GA's Phase II Environmental Site Assessment Report dated October 1, 2012. | ∑ ▼ | 0.1 7.0 12.0 15.5 | | L DIAGRAM Concrete Bentonite Chips Monterey Sand #2/12 2"-diam., 0.010" Slotted Schedule 40 PVC Bottom of Boring @ 15.5 ft |
| WELL LOG (PID) I:\SONOMA~1.PI | | | | | 30 - - - - 35 - | * | | | | | | PAGE 1 OF 1 |



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BORING/WELL LOG

| | CLIENT N JOB/SITE LOCATIO PROJEC DRILLER DRILLING BORING LOGGED REVIEWE REMARK | NAME E NAME DN T NUMBE G METHO DIAMETHO DIAMETHO ED BY ED BY S BO CONNLS S LINO | Pr 12 | CC / ro-C 215 217 SN eo F olde | Aerostr coatings 2nd Av 75 Drilling Probe 7 er Asso d by Go | victure s enue N 780 ciates blder A | s North, k ssociat | Kent, Washington | BORING/WELL NAME DRILLING STARTED DRILLING COMPLETED WELL DEVELOPMENT DA GROUND SURFACE ELEN TOP OF CASING ELEVAT SCREENED INTERVAL DEPTH TO WATER (First DEPTH TO WATER (Static nd interpretations made by (| msl ft (21-Jun- 8 ft (29-Jun- bservations WEL | n-12) un-12) ms provided by GA. | | |
|---|---|--|--|--|--|--|--------------------------|--|--|---|---------------------------------------|--|--|
| Well Log (PID) I:\SONOMA~1.PUB\0-USERS\MDUTRA\DRAFTR~1\062175~1\062175~2\062175~2\062175-SO-GINT.GPJ DEFAULT.GDT 12/30/14 | | | | | | SM | | ASPHALT Silty SAND; fine to o coarse gravel, trace moist (Fill). SILT; some peaty o gray, medium stiff to @8' - Sandy SILT; t medium stiff, wet. Silty CLAY; trace po Note: Field logs prov Site Assessment Re | rganics, trace remnant topso stiff, moist. race fine sand, trace peaty of eaty organics, soft, wet. | oil, dark ⊻ organics, ⊻ onmental | 0.1 | | Concrete Bentonite Chips Monterey Sand #2/12 2"-diam., 0.010" Slotted Schedule 40 PVC Bottom of Boring @ 15.5 ft |

PAGE 1 OF 1



WELL LOG (PID) INSONOMA-4.PUBIQ-USERSIMDUTRAIDRAFTR-1\062175-1\062175-2\062175-2002175-SO-GINT.GPJ DEFAULT.GDT 12/30/14

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BORING/WELL LOG

| CLIENT NAME | PCC Aerostructures | BORING/WELL NAME MW-8 |
|------------------|---|---|
| JOB/SITE NAME | Pro-Coatings | DRILLING STARTED 21-Jun-12 |
| LOCATION | 1215 2nd Avenue North, Kent, Washington | DRILLING COMPLETED21-Jun-12 |
| PROJECT NUMBER | 062175 | WELL DEVELOPMENT DATE (YIELD) NA |
| DRILLER | ESN Drilling | GROUND SURFACE ELEVATION NA |
| DRILLING METHOD | Geo Probe 780 | TOP OF CASING ELEVATION 39.06 ft above msl |
| BORING DIAMETER | 8" | SCREENED INTERVAL 5 to 15 fbg |
| LOGGED BY | Golder Associates | DEPTH TO WATER (First Encountered)10.0 ft (21-Jun-12) |
| REVIEWED BY | | DEPTH TO WATER (Static) 9.80 ft (29-Jun-12) |
| REMARKS Borehold | e logged by Golder Associates (GA). Assumptions | s and interpretations made by CRA based on field observations provided by GA. |

CONTACT DEPTH (fbg) ₽ GRAPHIC LOG (mdd) BLOW U.S.C.S. DEPTH (fbg) EXTENT SAMPLE SOIL DESCRIPTION WELL DIAGRAM PID (SPHAL ASPHALT 0.1 Silty SAND; fine to coarse grain, well graded, some fine Concrete to coarse gravel, brown and gray, dense, moist (Fill). Bentonite Chips Monterey Sand SM #2/12 5 8.0 CLAY ; trace peaty organics, trace fine sand and silt, CL 9.0 gray, soft, moist. ML 🐺 10.0 SILT; trace fine sand, gray, wet. 2"-diam., 0.010" Slotted Schedule 10 CLAY; fine silt, trace peaty organics, brownish gray, 40 PVC wet. CL E 15 15.5 Note: Field logs provided in GA's Phase II Environmental Site Assessment Report dated October 1, 2012. Bottom of Boring @ 15.5 ft 20 25 30 35 PAGE 1 OF

Page 1 of 1

PROJECT NAME: PRO-COATINGS

PROJECT NUMBER: 062175

CLIENT: PCC AEROSTRUCTURE

LOCATION: 1215 2ND AVENUE NORTH, KENT, WASHINGTON

HOLE DESIGNATION: MW-9 DATE COMPLETED: May 14, 2015 DRILLING METHOD: HSA FIELD PERSONNEL: J. SONG

| DEPTH | STRATIGRAPHIC DESCRIPTION & REMARKS | DEPTH | | SAMPLE | | | | | |
|-------------------|---|--------|---|----------|-----------|---------|----------|-----------|--|
| ft BGS | | ft BGS | | NUMBER | NTERVAL | REC (%) | N' VALUE | PID (ppm) | |
| 2 | ASPHALT SP-SAND, trace gravel, loose, fine to medium grained, poorly graded, olive brown (2.5Y 3/3), dry | 0.33 | CONCRETE BENTONITE CHIPS 2" PVC WELL CASINCE | 1HA | | | _ | 0.0 | |
| 4 | SM-SILTY SAND, with gravel, loose, fine to medium grained, poorly graded, dark olive brown (2.5Y 2/3), dry | 5.00 | 2" PVC WELL | MW-9-5 | \times | | 5,3,3 | 0.1 | |
| | ML-SILT, with clay and fine sand, soft, fine grained, very dark gray (2.5Y 3/1), wet | 10.00 | ↓ ↓ </td <td>(MW-9-10</td> <td>\times</td> <td></td> <td>0,0,1</td> <td>0.0</td> | (MW-9-10 | \times | | 0,0,1 | 0.0 | |
| - - | SP-SAND, loose, fine grained, some medium | 15.00 | | | | | | | |
| | grained, black (10YR 2/1), saturated END OF BOREHOLE @ 16.5ft BGS | 16.50 | WELL DE IAILS Screened interval: 5.00 to 15.00ft BGS Length: 10ft Diameter: 2in | (MW-9-15 | \square | | 1,2,3 | 0.0 | |
| - - | | | Slot Size: 0.010 Material: PVC Seal: 1.50 to 3.00ft BGS Material: BENTONITE CHIPS | | | | | | |
| - 22 | | | Sand Pack: 3.00 to 15.00ft BGS Material: SAND | | | | | | |
| 25/15 26 26 | | | | | | | | | |
| 28 | | | | | | | | | |
| 0 F 30 | | | | | | | | | |
| 1 34 | | | | | | | | | |
| OVERBUR | INOTES: MEASURING POINT ELEVATIONS MAY CHANGE; R WATER FOUND ↓ CHEMICAL ANALYSIS | EFERIO | JURKENT ELEVATION TABLE | | | | | | |



Page 1 of 1

PROJECT NAME: PRO-COATINGS

PROJECT NUMBER: 062175

CLIENT: PCC AEROSTRUCTURE

LOCATION: 1215 2ND AVENUE NORTH, KENT, WASHINGTON

HOLE DESIGNATION: SB-1 DATE COMPLETED: May 14, 2015 DRILLING METHOD: DIRECT PUSH FIELD PERSONNEL: J. SONG

| DEPTH | STRATIGRAPHIC DESCRIPTION & REMARKS | DEPTH | BOREHOLE | SAMPLE | | | | |
|------------|--|----------------|---------------------------------|---------|----------|---------|-----------|------------|
| ft BGS | | ft BGS | | NUMBER | INTERVAL | REC (%) | 'N' VALUE | PID (ppm) |
| | ASPHALT SP-SAND, with silt, trace gravel, loose, fine to | 0.33 | | | | | | |
| -2 | brown (2.5Y, 3/3), dry | 3.00 | | 1114 | | | | 0.1 |
| - | medium grained, poorly graded, dark gray (5Y 4/1), dry - gravelly at 5.0ft BGS | | BACKFILLED WITH BENTONITE | SB-1-5 | | | | 4.7 |
| -6 | | 7 00 | CHIPS | | | | | |
| | SP-SAND, loose, fine grained, trace medium grained, poorly graded, dark olive gray (5Y 34/2), moist | 8.50 | ¥ | 2DP | | | | |
| 10 | ML-SILT, with clay and fine sand, loose, fine grained, very dark gray (5Y 3/1), wet NO RECOVERY (10.0 to 16.0ft BGS), gravelly | 10.00 | | SB-1-10 | | | | 6.4 |
| - - | | | | 3DP | | | | |
| | | | | | | | | |
| 16 | SP-SAND, loose, fine grained, poorly graded, very dark green (2.5Y 3.1), wet | 16.00 17.00 | | | | | | 0.0 |
| - | ML-SILT, with clay and fine sand, loose, fine grained, very dark gray (2.5Y 3/1), wet | | | 4DP | | | | |
| - 20 - | SW-SAND, loose, fine to coarse grained, well graded, black (10YR 2/1), saturated | 20.00 | | SB-1-20 | | | | 0.0 0.0 |
| -22 | ML-SILT, with clay and fine sand, fine grained, very dark gray (2.5Y 3/1), moist | 21.50 | | 5DP | | | | 0.0 |
| -24 - | SP-SAND, loose, fine to medium grained, poorly graded, black (10YR 2/1), moist | 24.00 | | | | | | 0.0 |
| - 26 | SW-SAND, fine to coarse grained, well graded, black (10YR 2/1), moist | 27.00 | | | | | | 0.0 |
| | SP-SAND, with silt, medium dense, fine grained, poorly graded, dark olive gray (2.5Y 3/1), moist | 20.00 | | 6DP | | | | 0.0 |
| | SW-SAND, fine to coarse grained, well graded, black (10YR 2/1), moist END OF BOREHOLE @ 30.0ft BGS | 30.00 | | | | | | |
| | | | | | | | | |
| - 34 | | | | | | | | |
| <u>N</u> | NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; WATER FOUND ↓ CHEMICAL ANALYSIS | REFER TO | CURRENT ELEVATION TABLE | | | | | |



Page 1 of 1

PROJECT NAME: PRO-COATINGS

PROJECT NUMBER: 062175

CLIENT: PCC AEROSTRUCTURE

LOCATION: 1215 2ND AVENUE NORTH, KENT, WASHINGTON

HOLE DESIGNATION: SB-2 DATE COMPLETED: May 13, 2015 DRILLING METHOD: DIRECT PUSH FIELD PERSONNEL: J. SONG

| DEPTH | STRATIGRAPHIC DESCRIPTION & REMARKS | DEPTH | BOREHOLE | | SAMPLE | | | |
|-----------------------------|--|-----------|--|---------|---------|---------|----------|-----------|
| ft BGS | | ft BGS | BOREHOLL | NUMBER | NTERVAL | REC (%) | N' VALUE | (mqq) Ole |
| | ASPHALT | 0.33 | | | | | - | |
| 2 | SP-SAND, with silt and gravel, loose, fine to medium grained, poorly graded, olive gray (5Y 4/2), dry | 3.00 | | 1114 | | | | |
| 4 6 | SM-SILTY SAIND, with gravel, medium dense, fine to medium grained, poorly graded, dark olive brown (2.5Y 3/3), dry | | BACKFILLED WITH BENTONITE CHIPS | SB-2-5 | | | | 0.3 |
| | ML-SILT, with fine sand and clay, loose, fine grained, very dark gray (5Y 3/1), wet | 7.00 | _ | 2DP | | | | |
| - 10 | SP-SAND, fine to medium grained, poorly graded, very dark gray (2.5Y 3/1), wet | | ¥ | SB-2-10 | 2 | | | 0.1 |
| - | ML-SILT, with clay and fine sand, loose, fine grained, very dark gray (2.5Y 3/1), wet | 11.00 | | 3DP | | | | 0.1 |
| 14 | | 15.00 | | 30-2-14 | 1 | | | 0.1 |
| - | SW-SAND, loose, fine to coarse grained, well graded, black (10YR 2/1), wet | | | 4DP | | | | |
| - 18 - - - - 20 | | | | | | | | 0.2 |
| - 22 | ML-SANDY SILT, medium dense, fine grained, very dark grayish brown (2.5Y 3/2), wet | 20.50 | | 500 | | | | 0.8 |
| - 24 | SW-SAND, medium dense, fine to coarse grained, well graded, black (10YR 2/1), wet | 23.00 | | JDP | | | | 0.7 |
| - | ML-SIL I, with clay and fine sand, medium dense, very dark greenish gray (GLEY2 3/1), damp | 25.00 | | | | | | |
| 26 | SW-SAND, medium dense, fine to coarse grained, well graded, black (10YR 2/1), wet | 27.00 | | | | | | 0.1 |
| - 28 | SP-SAND, medium dense, fine to medium grained, poorly graded, very dark gray (2.5Y 3/1), wet | 28.00 | | 6DP | | | | 0.2 |
| | grained, very dark gray (2.5Y 3/1), wet END OF BOREHOLE @ 30.0ft BGS | 30.00 | | | | | | |
| | | | | | | | | |
| 34 | | | | | | | | |
| | NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; R WATER FOUND ↓ CHEMICAL ANALYSIS | EFER TO (| CURRENT ELEVATION TABLE | | | | | |



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PROJECT NAME: PRO-COATINGS

PROJECT NUMBER: 062175

CLIENT: PCC AEROSTRUCTURE

LOCATION: 1215 2ND AVENUE NORTH, KENT, WASHINGTON

HOLE DESIGNATION: SB-3 DATE COMPLETED: May 13, 2015 DRILLING METHOD: DIRECT PUSH FIELD PERSONNEL: J. SONG

| DEPTH | STRATIGRAPHIC DESCRIPTION & REMARKS | DEPTH | BOREHOLE | SAMPLE | | | | |
|----------------|---|-------------------------|-------------------------|----------|----------|---------|-----------|------------|
| ft BGS | | ft BGS | | NUMBER | INTERVAL | REC (%) | 'N' VALUE | PID (ppm) |
| _ | ASPHALT | | | | | | | |
| 2 | SP-SAND, with silt and gravel, loose, fine to medium grained, poorly graded, olive brown (2.5Y 4/3), dry | 0.75 | | | | | | |
| _ 4 | SM-SILTY SAND, loose, fine to medium grained, poorly graded, dark grayish brown | 3.00 | BACKFILLED | 1HA | \ge | | | 0.1 |
| -6 | - gravelly at 5.0ft BGS | | BENTONITE CHIPS | SB-3-5 | | | | 0.1 |
| - | SP-SAND, with silt, loose, fine to medium grained, poorly graded, very dark gravish | 7.00 | | 2DP | | | | 0.0 |
| | brown (2.5Y 3/2), moist, plant roots - increasing silt content with depth at 8.0ft BGS | 8.50 | ∀ | SB-3-10 | | | | 0.2 |
| | SP-SAND, with gravel, loose, fine to medium grained, poorly graded, black (10YR 2/1), wet | 11.00 | | | | | | |
| - 12 - | - increasing gravel content with depth at 10.0tt BGS ML-SILT, with clay and fine sand, loose, fine | | | 3DP | | | | |
| - | grained, very dark gray (2.5Y 31/1), wet | 14.50 | | (SB-3-14 | | | | 0.2 |
| | graded, black (10YR 2/1), wet | | | | | | | |
| - | | 40.50 | | 4DP | | | | 0.0 |
| - 20 | ML-SILT, with clay, medium dense, fine grained, very dark gray (2.5Y 3/2), damp | 19.00 | | | | | | 0.4 |
| - | grained, well graded, black (10YR 2/1), wet | | | | | | | |
| 22 | MI-SILT with clay medium dense very dark | 23.00 | | 5DP | | | | |
| 24 | gray (2.5Y 3/1), damp - with fine sand lenses at 24.0ft BGS | | | | | | | 0.3 |
| 21 2/20/12 | SP-SAND, trace silt, medium dense, fine to medium grained, poorly graded, very dark grayish brown (2.5Y 3/2), saturated | 25.50 | | (00 | | | | |
| 28 | | | | ODP | | | | |
| GPJ CRA | ML-SILT, medium dense, fine grained, very dark grayish brown (2.5Y 3/2), wet | 29.50 29.80 30.00 | | | | | | 0.1 0.1 |
| 32 | grained, well graded, black (10YR 2/1), saturated | | | | | | | |
| 0 90 24 | END OF BOREHOLE & 30.011 BGS | | | | | | | |
| | NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; R WATER FOUND ♀ | EFER TO (| CURRENT ELEVATION TABLE | | | | | |
| NO C | CHEMICAL ANALYSIS | | | | | | | |



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PROJECT NAME: PRO-COATINGS

PROJECT NUMBER: 062175

CLIENT: PCC AEROSTRUCTURE

LOCATION: 1215 2ND AVENUE NORTH, KENT, WASHINGTON

HOLE DESIGNATION: SB-4 DATE COMPLETED: May 13, 2015 DRILLING METHOD: DIRECT PUSH FIELD PERSONNEL: J. SONG

| DEPTH | STRATIGRAPHIC DESCRIPTION & REMARKS | DEPTH | BOREHOLE | | SAMPLE | | | |
|----------------|---|---------|--|---------------|----------|---------|-----------|------------|
| ft BGS | | ft BGS | | NUMBER | INTERVAL | REC (%) | 'N' VALUE | PID (ppm) |
| - | CONCRETE | 0.50 | | | | | | |
| - 2 - | SP-SAND, with silt, gravel and cobble, loose, fine to medium grained, poorly graded, dark olive brown (2.5Y 3/3), dry | 3.00 | CONCRETE | | | | | 0.1 |
| - | SM-SILTY SAND, trace gravel, loose, fine to medium grained, poorly graded, dark olive brown (2.5Y 3/3), dry - gravelly from 5.0 to 6.0ft BGS | 3.00 | BACKFILLED WITH BENTONITE CHIPS | 1HA SB-4-5 | | | | 2.1 3.2 |
| - 8 | | 9.00 | ∇ | 2DP | | | | |
| - | ML-SILT, with fine sand, trace gravel, loose, fine grained dark olive grav (5Y 2/2) wet | 10.00 | | (SB-4-10) | | | | 1.5 |
| - 12 | SP-SAND loose fine to medium grained | 13.00 | | 3DP | | | | 1.0 |
| - | poorly graded, very dark grayish brown (2.5Y 3/2), wet | 14.00 | | SB-4-15 | | | | 0.2 0.2 |
| 16 | grained, very dark gray (2.5Y 3/1), wet - increasing in fine sand content with depth from 16.0 to 18.0ft BGS | | | 4DP | | | | 0.2 |
| - 18 - | | 19.00 | | 401 | | | | 0.2 |
| 20 | grained, poorly graded, black (10YR 2/1), wet SW-SAND, medium dense, fine to coarse grained well graded black (10YR 2/1) | 20.00 | | | | | | 0.2 |
| 22 | ML-SILT, with fine sand, medium dense, fine grained, very dark grayish brown (2.5Y 3/2), | 22.00 | | 5DP | | | | |
| 24 | SW-SAND medium dense, fine to coarse | 25.00 | | | | | | |
| 21 5/20/12 | grained, well graded, black (10YR 2/1), saturated MI -SII T, with sand, medium dense, fine | 26.00 | | | | | | 0.1 |
| 28 | grained, trace medium sand, very dark greenish gray (GLEY1 3/1), wet | 29.00 | | 6DP | | | | 0.1 |
| | graded, black (10YR 2/1), moist | 30.00 | | | | | | 0.1 |
| 62175-WI. | | | | | | | | |
| 90 | | | | | | | | |
| OVERBURD | NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; RI WATER FOUND ↓ CHEMICAL ANALYSIS | EFER TO | CURRENT ELEVATION TABLE | | | | | |



Page 1 of 1

PROJECT NAME: PRO-COATINGS

PROJECT NUMBER: 062175

CLIENT: PCC AEROSTRUCTURE

LOCATION: 1215 2ND AVENUE NORTH, KENT, WASHINGTON

HOLE DESIGNATION: SB-5 DATE COMPLETED: May 13, 2015 DRILLING METHOD: DIRECT PUSH FIELD PERSONNEL: J. SONG

| DEPTH | | DEPTH | | SAMPLE | | | | |
|---|---|----------------|---------------------------------|---------------|---------|---------|-----------|------------|
| ft BGS | STRATIONAPHIC DESCRIPTION & REWARKS | ft BGS | BOREHOLE | NUMBER | NTERVAL | REC (%) | 'N' VALUE | PID (ppm) |
| _ | CONCRETE | 0.54 | | | | | - | |
| - 2 2 | SP-SAND, with silt, gravel and cobble, loose, fine to medium grained, poorly graded, olive brown (2.5Y 4/3), dry | | CONCRETE | | | | | |
| 4 | SM-SILTY SAND, with gravel, loose, fine grained, trace medium grained, poorly graded, olive brown (2.5Y 4/3), dry | 3.00 | BACKFILLED WITH BENTONITE | 1HA SB-5-5 | X | | | 1.6 0.2 |
| 6 | COBBLE AND GRAVEL, trace sand | 5.00 | CHIPS | 2DP | | | | |
| | SM-SILTY SAND, loose, fine grained, poorly graded, black (10YR 2/1), saturated | 8.00 | * | SB-5-10 | | | | 0.1 |
| - | - increase in silt content at 11.0ft BGS | | | | | | | |
| | - increase in sand content at 12.0ft BGS | 13.00 | | 3DP | | | | |
| - 14 | grained, very dark gray (10YR 3/1), wet | 15.00 | | SB-5-15 | | | | 0.1 |
| 16 | SP-SAND, with silt, loose, fine grained, trace medium grained, poorly graded, very dark grayish brown (2.5Y 3/1), saturated | 13.00 | | | | | | 0.1 |
| - | ML-SILT, with clay and fine sand, medium dense, fine grained, very dark gray (5Y 3/1), wet | 17.50 | | 4DP | | | | |
| -20 | increasing silt content from 19.0 to 20.0ft BGS increasing fine sand content from 20.0 to 20.5ft BGS | | | | | | | 0.0 |
| -22 | | 22.50 | | 500 | | | | |
| _ 24 | SW-SAND, medium dense, fine to coarse grained, well graded, olive brown (2.5Y 4/3), damp | 23.50 24.00 | | JDF | | | | 0.0 0.0 |
| ⊊ 10 10 10 10 10 10 10 10 10 10 10 10 10 | ML-SILT, medium dense, fine grained, very dark gray (2.5Y 3/1), dry | 26.00 | | | | | | 0.0 |
| 2/2 2/2 2/2 2/2 2/2 2/2 2/2 2/2 2/2 2/2 | grained, well graded, olive brown (2.5Y 4/3), dry MI -SILT medium dense, fine grained black | 27.00 | | 6DP | | | | 0.0 |
| | (2.5YR 2.5/1), moist SP-SAND, medium dense, fine to medium | | | | | | | 0.0 |
| Ů – 30 G. – | grained, poorly graded, olive brown (2.5Y 4/3), moist END OF BOREHOLE @ 30.0ft BGS | 30.00 | | | | | | |
| M-129 | | | | | | | | |
| 90 | | | | | | | | |
| OVERBURDE | NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; RI WATER FOUND ↓ CHEMICAL ANALYSIS | EFER TO (| CURRENT ELEVATION TABLE | | | | | |



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PROJECT NAME: PRO-COATINGS

PROJECT NUMBER: 062175

CLIENT: PCC AEROSTRUCTURE

LOCATION: 1215 2ND AVENUE NORTH, KENT, WASHINGTON

HOLE DESIGNATION: SB-6 DATE COMPLETED: May 13, 2015 DRILLING METHOD: DIRECT PUSH FIELD PERSONNEL: J. SONG

| DEPTH | | DEPTH | BOREHOLE | SAMPLE | | | | |
|---|--|----------------|----------------------------|----------------|----------|---------|-----------|------------|
| ft BGS | | ft BGS | | NUMBER | INTERVAL | REC (%) | 'N' VALUE | PID (ppm) |
| - - - - - - - - - | ASPHALT SM-SILTY SAND, with gravel, loose, fine grained, poorly graded, dark grayish brown (2.5Y 4/2), dry SM-SILTY SAND, loose, fine to medium grained, poorly graded, olive (5Y 4/4), dry | 0.33 0.50 | CONCRETE | SB-6-0.5 | | | | 0.3 |
| - 6 | SP-SAND loose fine to medium grained | 6.00 | WITH BENTONITE CHIPS | SB-6-5 | | | | 0.2 |
| | poorly graded, dark olive gray (5Y 3/2), dry, plant roots SP-SAND, loose, fine to medium grained, | 7.00 | ¥ | 2DP | | | | 0.1 |
| 10 | poorly graded, dark olive brown (2.5Y 3/3), wet | 11.00 | | SB-6-10 | | | | 0.1 |
| | ML-SILT, with clay and fine sand, loose, fine grained, dark gray (10YR 4/1), wet | | | 3DP SB-6-13 | | | | 0.0 |
| - | SW-SAND, loose, fine to coarse grained, well graded, black (10YR 2/1), wet | 15.00 | | | | | | 0.0 |
| - | - increasing fine sand with depth at 17.5ft BGS ML-SILT, with clay, medium dense, fine | 18.00 | | 4DP | | | | 0.0 |
| - 20 | grained, very dark grayish brown (10YR 3/2), moist SW-SAND, medium dense, fine to coarse | 21.00 | | | | | | 0.0 |
| - 22 - | ML-SILT, with fine sand, medium dense, fine grained, very dark gray (2.5Y 3/1), moist | 22.00 | | 5DP | | | | 0.0 0.0 |
| -24 | grained, well graded, black (10YR 2/1), wet ML-SILT, medium dense, fine grained, very dark greenish gray (GLEY2 3/1), damp | 24.00 25.00 | | | | | | 0.0 |
| 250/10 2/01/2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | SW-SAND, medium dense, fine to coarse grained, well graded, black (10YR 2/1), wet | 27.00 | | 6DP | | | | 0.0 |
| 28 | grained, dark greenish gray (GLEY2 4/1), damp SW-SAND, medium dense, fine to coarse | 28.00 | | | | | | 0.0 |
| 30 | END OF BOREHOLE @ 30.0ft BGS | 30.00 | | | | | | |
| 1 - 1 - 34 NOT N | | | | | | | | |
| OVERBURDE | NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; R WATER FOUND ♀ CHEMICAL ANALYSIS | EFER TO | CURRENT ELEVATION TABLE | | | | | |



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PROJECT NAME: PRO-COATINGS

PROJECT NUMBER: 062175

CLIENT: PCC AEROSTRUCTURE

LOCATION: 1215 2ND AVENUE NORTH, KENT, WASHINGTON

HOLE DESIGNATION: SB-7 DATE COMPLETED: May 14, 2015 DRILLING METHOD: DIRECT PUSH FIELD PERSONNEL: J. SONG

| DEPTH | STRATIGRAPHIC DESCRIPTION & REMARKS | DEPTH | BOREHOLE | SAMPLE | | | | |
|------------------------------------|---|----------------------|--|----------------------|----------|---------|-----------|------------|
| ft BGS | | ft BGS | | NUMBER | INTERVAL | REC (%) | 'N' VALUE | PID (ppm) |
| 2 4 4 6 8 | ASPHALT GM-GRAVEL, with sand, little fines, loose, 0.1-2" gravel, coarse sand, well graded, dark greenish gray (GLEY 4/1), damp SM-SILTY SAND, with gravel, loose, fine to medium grained, poorly graded, very dark gray (5Y 3/1), dry (NO RECOVERY (5.0 to 12.0ft BGS) gravelly | 0.33 3.00 5.00 | CONCRETE BACKFILLED WITH BENTONITE CHIPS | 1HA SB-7-5 2DP | | | | 0.1 0.0 |
| | ML-SILT, with clay and fine sand, loose, fine grained, very dark gray (5Y 3/1), wet | 12.00 | ¥ | 3DP SB-7-13 | | | | 1.2 |
| - | SP-SAND, with silt, loose, fine grained, poorly graded, very dark grayish brown (2.5Y 3/2), saturated | 15.00 | | 4DP | | | | |
| 20 | ML-SIL I, loose, fine grained, very dark gray (2.5Y 3/1), wet SP-SAND, loose, fine to medium grained, poorly graded, black (2.5Y 5/1), wet NO RECOVERY (20.0 to 24.0ft BGS) | 18.50 20.00 | | SB-7-20 | | | | 0.1 |
| - 22 24 | SM-SILTY SAND, medium dense, fine | 24.00 | | 5DP | | | | 0.1 |
| 26/02/2 12/20/19 26 28 28 | grained, poorly graded, black (2.5Y 2.5/1), wet SP-SAND, medium dense, fine grained, poorly graded, black (10YR 2.5/1), saturated | 25.00 | | 6DP | | | | |
| 6 062175-WIGPJ CKA_CK | SM-SILTY SAND, medium dense, fine grained, poorly graded, black (2.5Y 5/1), moist END OF BOREHOLE @ 30.0ft BGS | 29.00 30.00 | | | | | | 0.1 |
| | NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; R WATER FOUND ↓ CHEMICAL ANALYSIS | EFER TO (| CURRENT ELEVATION TABLE | | | | | |



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BORING / WELL LOG

| CLIENT NAME | PCC Aerostructures | BORING/WELL NAME | 3-8 | | |
|-----------------|---------------------------------|----------------------------|-----------|----------------------|---------------------|
| JOB/SITE NAME | Protective Coatings Facility | DRILLING STARTED 15 | 5-Mar-16 | | |
| LOCATION | 1208 4th Avenue North, Kent, WA | DRILLING COMPLETED 15 | j-Mar-16 | | |
| PROJECT NUMBER | 062175 | WELL DEVELOPMENT DATE | (YIELD) | NA | |
| DRILLER | Holt Services, Inc. | GROUND SURFACE ELEVATI | ON _ | NA | |
| DRILLING METHOD | Direct Push | TOP OF CASING ELEVATION | _ | NA | |
| BORING DIAMETER | 2" | SCREENED INTERVALS | _ | NA | |
| LOGGED BY | S. Rasmussen | DEPTH TO WATER (First Enco | ountered) | 7.50 fbg (15-Mar-16) | $\overline{\nabla}$ |
| REVIEWED BY | | DEPTH TO WATER (Static) | | NA | Ţ |
| | | | | | |

WELL LOG (PID) I:SONOMA-PUBLICO-USERS/WDUTRA/DRAFT REQUESTS/062175-PCC AEROSTRUCTURES-1215 ZND NORTH & 1208 4TH AVE, KENT, WA/062175-1208 4TH AVE, KENT, WA/062175-SO-GINT.GPJ DEFAULT.GDT 18/3/16 LOCATION PROJECT DRILLER DRILLING LOGGED E REVIEWED REMARKS





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BORING / WELL LOG

| CLIENT NAME | PCC Aerostructures | BORING/WELL NAME SB-9 | | |
|-----------------|---------------------------------|-----------------------------------|-----------------------|---------------------|
| JOB/SITE NAME | Protective Coatings Facility | DRILLING STARTED 15-Mar-16 | | |
| LOCATION | 1208 4th Avenue North, Kent, WA | DRILLING COMPLETED 15-Mar-16 | | |
| PROJECT NUMBER | 062175 | WELL DEVELOPMENT DATE (YIELD) | NA | |
| DRILLER | Holt Services, Inc. | GROUND SURFACE ELEVATION | NA | |
| DRILLING METHOD | Direct Push | TOP OF CASING ELEVATION | NA | |
| BORING DIAMETER | 2" | SCREENED INTERVALS | NA | |
| LOGGED BY | S. Rasmussen | DEPTH TO WATER (First Encountered |)7.50 fbg (15-Mar-16) | $\overline{\Delta}$ |
| REVIEWED BY | | DEPTH TO WATER (Static) | NA | Ţ |
| | | | | |

WELL LOG (PID) I:SONOMA-PUBLICO-USERS/WDUTRA/DRAFT REQUESTS/062175-PCC AEROSTRUCTURES-1215 ZND NORTH & 1208 4TH AVE, KENT, WA/062175-1208 4TH AVE, KENT, WA/062175-SO-GINT.GPJ DEFAULT.GDT 18/3/16 BORING DI LOGGED B REVIEWED REMARKS





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BORING / WELL LOG

| CLIENT NAME | PCC Aerostructures | BORING/WELL NAME | SB-10 | | |
|-----------------|---------------------------------|-------------------------|--------------|----------------------|----------------------|
| JOB/SITE NAME | Protective Coatings Facility | DRILLING STARTED | 15-Mar-16 | | |
| LOCATION | 1208 4th Avenue North, Kent, WA | DRILLING COMPLETED | 15-Mar-16 | | |
| PROJECT NUMBER | 062175 | WELL DEVELOPMENT DA | TE (YIELD) | NA | |
| DRILLER | Holt Services, Inc. | GROUND SURFACE ELEV | ATION | NA | |
| DRILLING METHOD | Direct Push | TOP OF CASING ELEVATI | ON _ | NA | |
| BORING DIAMETER | 2" | SCREENED INTERVALS | _ | NA | |
| LOGGED BY | S. Rasmussen | DEPTH TO WATER (First I | Encountered) | 8.00 fbg (15-Mar-16) | $\underline{\nabla}$ |
| REVIEWED BY | | DEPTH TO WATER (Static |) | NA | Ţ |
| | | | | | |

WELL LOG (PID) I: SONOMA, PUBLICIO-USERSIMDUTRAIDRAFT REQUESTS/062175-PCC AEROSTRUCTURES-1215 2ND NORTH & 1208 4TH AVE, KENT, WA/062175-1208 4TH AVE, KENT, WA/062175-SO-GINT.GPU DEFAULT.GDT 18/3/16 PROJEC DRILLER DRILLIN BORING LOGGED REVIEW REMARKS

| PID (ppm) | BLOW COUNTS | SAMPLE ID | EXTENT | DEPTH (fbg) | U.S.C.S. | GRAPHIC LOG | LITHOLOGIC DESCRIPTION | CONTACT DEPTH (fbg) | WELL DIAGRAM |
|-----------|----------------|-----------|--------|----------------|----------|----------------|---|------------------------|------------------------------|
| 0.7 | | SB-10-5 | | | SM | | ASPHALT Silty SAND; dense, gravel, olive gray, no odor. | 0.2 | |
| 0.8 | | SB-10-10 | | | SP | | @6' - low recovery gravel. SAND; saturated, olive gray, no odor, sand fine to medium coarse. | 8.0 | ✓ Bentonite Seal |
| 0.3 | | SB-10-15 | | | CL ML | | CLAY/SILT ; dark olive gray, wet, no odor, high plasticity. | 12.0 | Bottom of Boring @ 15 fbg |
| | | | | | | | | | |



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BORING / WELL LOG

| CLIENT NAME | PCC Aerostructures | BORING/WELL NAME SB-1 | 1 | | |
|-----------------|---------------------------------|-----------------------------|-----------|----------------------|----------------------|
| JOB/SITE NAME | Protective Coatings Facility | DRILLING STARTED 15-N | 1ar-16 | | |
| LOCATION | 1208 4th Avenue North, Kent, WA | DRILLING COMPLETED 15-N | lar-16 | | |
| PROJECT NUMBER | R 062175 | WELL DEVELOPMENT DATE (YI | ELD) NA | | |
| DRILLER | Holt Services, Inc. | GROUND SURFACE ELEVATION | NA | | |
| DRILLING METHOD | Direct Push | TOP OF CASING ELEVATION | NA | | |
| BORING DIAMETER | R 2" | SCREENED INTERVALS | NA | | |
| LOGGED BY | S. Rasmussen | DEPTH TO WATER (First Encou | ntered) 8 | 8.00 fbg (15-Mar-16) | $\underline{\nabla}$ |
| REVIEWED BY | | DEPTH TO WATER (Static) | N | A | Ţ |
| | | | | | |

REMARKS





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BORING / WELL LOG

| CLIENT NAME | PCC Aerostructures | BORING/WELL NAME SB-12 | | |
|-----------------|---------------------------------|---------------------------------|----------------------------|---------------------|
| JOB/SITE NAME | Protective Coatings Facility | DRILLING STARTED 15-Mar | -16 | |
| LOCATION | 1208 4th Avenue North, Kent, WA | DRILLING COMPLETED 15-Mar | -16 | |
| PROJECT NUMBER | R 062175 | WELL DEVELOPMENT DATE (YIEL | .D) <u>NA</u> | |
| DRILLER | Holt Services, Inc. | GROUND SURFACE ELEVATION | NA | |
| DRILLING METHOD | Direct Push | TOP OF CASING ELEVATION | NA | |
| BORING DIAMETER | R 2" | SCREENED INTERVALS | NA | |
| LOGGED BY | S. Rasmussen | DEPTH TO WATER (First Encounted | ered) 8.00 fbg (15-Mar-16) | $\overline{\nabla}$ |
| REVIEWED BY | | DEPTH TO WATER (Static) | NA | Ţ |
| | | | | |

REMARKS





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BORING / WELL LOG

| CLIENT NAME | PCC Aerostructures | BORING/WELL NAME SE | B-13 | | |
|-----------------|---------------------------------|----------------------------|-----------|----------------------|----------------------|
| JOB/SITE NAME | Protective Coatings Facility | DRILLING STARTED 15 | 5-Mar-16 | | |
| LOCATION | 1208 4th Avenue North, Kent, WA | DRILLING COMPLETED 15 | 5-Mar-16 | | |
| PROJECT NUMBER | 062175 | WELL DEVELOPMENT DATE | (YIELD) | NA | |
| DRILLER | Holt Services, Inc. | GROUND SURFACE ELEVATI | ON _ | NA | |
| DRILLING METHOD | Direct Push | TOP OF CASING ELEVATION | _ | NA | |
| BORING DIAMETER | 2" | SCREENED INTERVALS | _ | NA | |
| LOGGED BY | S. Rasmussen | DEPTH TO WATER (First Enco | ountered) | 9.00 fbg (15-Mar-16) | $\underline{\nabla}$ |
| REVIEWED BY | | DEPTH TO WATER (Static) | | NA | Ţ |
| | | | | | |

REMARKS

| PID (ppm) | BLOW COUNTS | SAMPLE ID | EXTENT | DEPTH (fbg) | U.S.C.S. | GRAPHIC LOG | LITHOLOGIC DESCRIPTION | CONTACT DEPTH (fbg) | WEL | L DIAGRAM |
|-----------|----------------|---|--------|----------------|----------|----------------|---|------------------------|-----|--|
| 0.7 | | <u>о</u> SB-13-5 SB-13-10 SB-13-15 | | | SM | | CONCRETE Silty SAND; very dense, olive gray orangish brown, no odor, dry, trace gravel. SAND; saturated, fine to medium coarse, olive gray, no odor. SAND; saturated, fine to medium coarse, olive gray, no odor. CLAY/SILT; dark olive gray, no odor, high plasticity. | 0.6 0.6 12.5 | | Concrete Bentonite Seal Bottom of Boring () 15 fbg |
| | | | | | | | | | | |

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STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

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PROJECT NAME: PROTECTIVE COATINGS FACILITY

PROJECT NUMBER: 062175

CLIENT: PCC AEROSTRUCTURES

LOCATION: 1215 2ND AVENUE NORTH, KENT, WASHINGTON

HOLE DESIGNATION: SB-14 DATE COMPLETED: May 31, 2017 DRILLING METHOD: DIRECT PUSH FIELD PERSONNEL: B. PAULEY

| DEPTH | STRATIGRAPHIC DESCRIPTION & REMARKS | DEPTH | BOREHOLE | SAMF | | | | |
|-----------|---|-----------|------------------------------|----------|----------|---------|-----------|-----------|
| ft BGS | | ft BGS | | NUMBER | INTERVAL | REC (%) | 'N' VALUE | PID (ppm) |
| | ASPHALT | 0.50 | ASPHALT | | | | | |
| - 2 | SM-SILTY SAND, with gravel, loose, dark grayish brown (4/2 10YR), moist to dry, no odor | | | 1DP | | | | 0.0 |
| | - wet, very dark gray (3/1 10YR) at 5.0ft BGS | | ↓ WITH BENTONITE CHIPS | SB-14-5 | | - | | 0.0 |
| -6 | - very dark grayish brown (3/2 10YR) at 7.0ft BGS | | | 2DP | | | | 0.0 |
| - | - some vegetative debris, medium grained, saturated at 8.0ft BGS | | | | | | | |
| - 10 - | END OF BOREHOLE @ 10.0ft BGS | 10.00 | | SB-14-10 | | | | 0.0 |
| - 12 - | | | | | | | | |
| 14 | | | | | | | | |
| 16 | | | | | | | | |
| - 18 | | | | | | | | |
| 20 | | | | | | | | |
| 22 | | | | | | | | |
| - 24 | | | | | | | | |
| - 26 | | | | | | | | |
| | | | | | | | | |
| ; | | | | | | | | |
| 30 | | | | | | | | |
| -32 | | | | | | | | |
| 34 | | | | | | | | |
| | DTES: MEASURING POINT ELEVATIONS MAY CHANGE; R WATER FOUND ♀ 8 CHEMICAL ANALYSIS | EFER TO C | URRENT ELEVATION TABLE | 1 | 1 | 1 | 1 | |

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STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

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PROJECT NAME: PROTECTIVE COATINGS FACILITY

PROJECT NUMBER: 062175

CLIENT: PCC AEROSTRUCTURES

LOCATION: 1215 2ND AVENUE NORTH, KENT, WASHINGTON

HOLE DESIGNATION: SB-15 DATE COMPLETED: May 31, 2017 DRILLING METHOD: DIRECT PUSH FIELD PERSONNEL: B. PAULEY

| DEPTH | STRATIGRAPHIC DESCRIPTION & REMARKS | DEPTH | BOREHOLE | | | SAM | PLE | |
|--------|--|----------|--|----------|---------|---------|-----------|-----------|
| ft BGS | | ft BGS | | NUMBER | NTERVAL | REC (%) | 'N' VALUE | PID (ppm) |
| | ASPHALT | 0.50 | ASPHALT | | _ | | - | |
| -2 | SM-SILTY SAND, with gravel, loose, brown (4/3 10YR), moist, no odor | | | 1DP | | | | 0.0 |
| -4 | - light olive brown (5/4 2/5YR) to dark gray (4/1 2.5YR) at 4.5ft BGS | | BACKFILLED WITH BENTONITE CHIPS | SB-15-5 | | - | | 0.0 |
| -6 | - firm, dark gray (4/1 2.5YR) at 7.0ft BGS | | | 2DP | | | | 0.0 |
| -8 | - no gravel, very dark gray (3/1 2.5YR), saturated at 9.0ft BGS | | ¥ | | | | | |
| - 10 | - with gravel, very dark gray (3/1 2.5YR) at 10.0ft BGS | 10.00 | | SB-15-10 | | | | 0.0 |
| | END OF BOREHOLE @ 10.0ft BGS | | | | | | | |
| - 14 | | | | | | | | |
| - 16 | | | | | | | | |
| - 18 | | | | | | | | |
| -20 | | | | | | | | |
| -22 | | | | | | | | |
| -24 | | | | | | | | |
| -26 | | | | | | | | |
| - 28 | | | | | | | | |
| - 30 | | | | | | | | |
| - 32 | | | | | | | | |
| - 34 | | | | | | | | |
| | NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; RE WATER FOUND ♀ 8 CHEMICAL ANALYSIS | FER TO C | URRENT ELEVATION TABLE | | | | | |

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STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

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PROJECT NAME: PROTECTIVE COATINGS FACILITY

PROJECT NUMBER: 062175

CLIENT: PCC AEROSTRUCTURES

LOCATION: 1215 2ND AVENUE NORTH, KENT, WASHINGTON

HOLE DESIGNATION: SB-16 DATE COMPLETED: May 31, 2017 DRILLING METHOD: DIRECT PUSH FIELD PERSONNEL: B. PAULEY

| DEPTH | STRATICRAPHIC DESCRIPTION & REMARKS | DEPTH | TH BOREHOLE | | | | PLE | |
|--------------|--|----------|-------------------------|----------|----------|---------|-----------|-----------|
| ft BGS | | ft BGS | | NUMBER | INTERVAL | REC (%) | 'N' VALUE | PID (ppm) |
| - | ASPHALT | 0.50 | ASPHALT | | | | | |
| | SM-SILTY SAND, with gravel, loose, brown (4/4 10YR), moist, no odor | | | 1DP | | | | 7.4 |
| - - 6 | - firm, light olive brown (5/4 2.5Y) to dark gray (4/1 2.5Y) at 5.0ft BGS - no gravel, dark gray (4/1 2.5Y) at 6.0ft BGS | | WITH BENTONITE CHIPS | SB-16-5 | | | | 0.0 |
| | - very dark gray (3/1 2.5Y), wet at 8.5ft BGS | | * | 2DP | | | | l |
| - 10 - | - medium grained, saturated at 10.0ft BGS END OF BOREHOLE @ 10.0ft BGS | 10.00 | | SB-16-10 | | | | 0.0 |
| - 12 - | | | | | | | | l |
| | | | | | | | | l |
| 16 | | | | | | | | l |
| - | | | | | | | | l |
| 20 | | | | | | | | l |
| - 22 - | | | | | | | | l |
| - 24 - | | | | | | | | 1 |
| 26 | | | | | | | | l |
| -28 | | | | | | | | 1 |
| 30 | | | | | | | | 1 |
| -32 | | | | | | | | 1 |
| 34 | | | | | | | | |
| | NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; RE WATER FOUND ¥ CHEMICAL ANALYSIS | FER TO C | URRENT ELEVATION TABLE | | | | | |

GHD

STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

Page 1 of 1

PROJECT NAME: PROTECTIVE COATINGS FACILITY PROJECT NUMBER: 062175

CLIENT: PCC AEROSTRUCTURES

LOCATION: 1215 2ND AVENUE NORTH, KENT, WASHINGTON

HOLE DESIGNATION: SB-17 DATE COMPLETED: May 31, 2017 DRILLING METHOD: DIRECT PUSH FIELD PERSONNEL: B. PAULEY

| DEPTH | STRATIGRAPHIC DESCRIPTION & REMARKS | DEPTH | TH BOREHOLE | | | | | |
|--------------|--|----------|------------------------|----------|---------|---------|----------|-----------|
| ft BGS | | # BGS | | NUMBER | NTERVAL | REC (%) | N' VALUE | PID (ppm) |
| _ | ASPHALT | 0.50 | ASPHALT | | _ | | - | |
| | NO RECOVERY, rock | | | | | | | |
| -2 | | | | 1DP | | | | |
| - 4 | | | BACKFILLED | | | | | |
| | SM-SILTY SAND, with gravel, loose, grayish brown (5/2 2.5Y), no odor | 5.00 | BENTONITE CHIPS | (SB-17-5 | | | | 0.0 |
| - | - poor recovery at 7.5ft BGS | | ¥ | 2DP | | | | |
| - 10 | - very dark gray (3/1 2.5YR), saturated at 10.0ft BGS | 10.00 | | SB-17-10 | | | | 0.0 |
| - 12 | END OF BOREHOLE @ 10.0ft BGS | | | | | | | |
| - 14 | | | | | | | | |
| - 16 | | | | | | | | |
| - 18 | | | | | | | | |
| - 20 | | | | | | | | |
| - 22 | | | | | | | | |
| - 24 | | | | | | | | |
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| - 28 | | | | | | | | |
| - 30 - | | | | | | | | |
| - 32 | | | | | | | | |
| | | | | | | | | |
| | NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; RE WATER FOUND ♀ 8 CHEMICAL ANALYSIS | FER TO C | URRENT ELEVATION TABLE | | | | | |

Appendix C BTS Field Data Sheets

WELL GAUGING DATA

| Project # | 1809 24-481 | Date _ | 9/24/18 | <u>}</u> | _Client | GHD |
|-----------|-------------|--------|---------|----------|---------|-----|
| Site | PCC Kar - | 1215 | ZNO AYE | EN. 1 | < 121- | |

| | | Well | Sheen / | Depth to | Thickness of | Volume of Immiscibles Removed | Depth to water | Depth to well | Survey Point: TOB or | |
|---------|------|-------|---------|--------------|-----------------|-------------------------------------|----------------|---------------|----------------------------|-------|
| Well ID | Time | (in.) | Odor / | Liquid (ft.) | Liquid (ft.) | (ml) | (ft.) | bottom (ft.) | TOS' | Notes |
| Mw-1 | 1015 | Z | | | | | 9.76 | 16.98 | | |
| /MWI-3R | 1073 | 2 | | | | | 9.35 | 14.94 | | |
| MW-6 | 1032 | Z | | | | | 10.34 | 14.64 | | , |
| MW-7 | 1038 | Z | | | | | 9.99 | 14.67 | | |
| MW-9 | 1078 | 2 | | | | | 9.25 | 14.54 | * | |
| | | | | | | | | | | |
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BLAINE TECH SERVICES, INC. SAN JOSE SACRAMENTO LOS ANGELES SAN DIEGO SEATTLE

www.blainetech.com

LOW FLOW WELL MONITORING DATA SHEET

| Project #: | 180924 | 4-2B1 | | Client: | GHO | | | | | | | | |
|--------------------------------|-----------|-------------------------|------------------------------|---------------------|-----------------------------|-------------|------------------------------|--|--|--|--|--|--|
| Sampler: | LB | | | Gauging D | ate: 9 | 1/24/18 | | | | | | | |
| Well I.D.: | MW-1 | | | Well Diam | eter (in.) : | Ø 3 | 4 6 8 | | | | | | |
| Total Well | Depth (ft | .): // | c. 98 | Depth to W | Vater (ft.) | 9.76 | , | | | | | | |
| Depth to Fr | ee Produ | ct: | 00 | Thickness | of Free Pr | oduct (fe | et): | | | | | | |
| Referenced | to: | AVC | Grade | Flow Cell | Туре: | YSI 50 | 5 | | | | | | |
| Purge Method: Sampling Meth | nod: | 2" Grundfo Dedicated | os Pump Tubing | | Peristaltic P New Tubing | ump | Bladder Pump Other_ | | | | | | |
| Start Purge Tin | ne: 1300 | > <i>C</i> | Flow Rate: | ZOOML | IMIN | | Pump Depth: | B.5' | | | | | |
| Time | Temp. | рH | Cond. (mS/cm or µ8/cm) | Turbidity (NTUs) | D.O. (mg/L) | ORP (mV) | Water Removed (gals. or m | Depth to Water (ft.) | | | | | |
| 1303 | 17.58 | 6.82 | 379 | 31 | 0.37 | -587 | 600 | 9.83 | | | | | |
| 1306 | 17.60 | 6.88 | 381 | 25 | 0.38 | -58.Z | 1200 | 9.83 | | | | | |
| 1309 | 17.72 | 6.93 | 383 | 21 | 0.36 | -62.4 | 1800 | 9.83 | | | | | |
| 1312 | 17.73 | 6.94 | 382 | 19 | 0.34 | -63.8 | 2400 | 9.83 | | | | | |
| 1315 | 17.74 | 6.95 | 381 | 18 | 6.33 | -64.3 | 3000 | 9.83 | | | | | |
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| | | | | | | | | | | | | | |
| Did well de | ewater? | Yes | L NOJ | L | Amount | actually of | evacuated: 3 | ۱ــــــــــــــــــــــــــــــــــــ | | | | | |
| Sampling Time: 1216 | | | | | Sampling | g Date: | 9/24/18 | adder Pump Other Depth: 73.5^{\prime} er Removed ls. or mb) Depth to Water (ft.) 600 9.83 1200 | | | | | |
| Sample I.D.: Mw-/ | | | | | Laborato | ry: Pa | · 6 | | | | | | |
| Analyzed for: TPH-G BTEX M | | | | BE TPH-D | | Qthes: < | e La | Pump Dther $n: \underline{3.5'}$ oved Depth to Water (ft.) 9.83 9.83 9.83 9.83 9.83 9.83 9.83 100000000000000000000000000000000000 | | | | | |
| Equipment | Blank I. | D.: | @ Time | | Duplicat | e I.D.: | <u> </u> | | | | | | |

Blaine Tech Services, Inc. 1680 Rogers Ave., San Jose, CA 95112 (408) 573-0555

LOW FLOW WELL MONITORING DATA SHEET

| Project #: | 180 | 124-1B1 | | Client: | <u>Сно</u> | | | | | | | |
|---------------------------|-------------------|-------------------------|------------------------------|---------------------|---|-------------|------------------------------|-------------------------|--|--|--|--|
| Sampler: | LB | | | Gauging D | Date: | 9/24/ | 8 | | | | | |
| Well I.D.: | MW-T | 3R | | Well Diam | neter (in.) | 3 | 4 6 8 | | | | | |
| Total We | ll Depth (f | t.): µ | 1.94 | Depth to V | Vater (ft.) | : 9.3 | 5 | | | | | |
| Depth to] | Free Produ | ıct: | | Thickness | of Free Pr | oduct (fe | et): | | | | | |
| Reference | ed to: | PXJ | Grade | Flow Cell | Туре:) | 15E 5£ | <u></u> | | | | | |
| Purge Metho Sampling M | od: ethod: | 2" Grundfo Dedicated | os Pump Tubing | | Peristaltic Pump Bladder Pump New Tubing Other | | | | | | | |
| Start Purge | Гіте: <u>//54</u> | <u> </u> | Flow Rate: | ZOOML | NON | | Pump Depth: | 12.5' | | | | |
| Time | Temp. (Cor °F) | pН | Cond. (mS/cm or µS/cm) | Turbidity (NTUs) | D.O. (mg/L) | ORP (mV) | Water Removed (gals. or r | Depth to Water (ft.) | | | | |
| 1157 | 18.94 | 6.61 | 385 | Z3 | 6.20 | -66.0 | 600 | 9.42 | | | | |
| 1200 | 19.04 | 661 | 368 | 18 | 0.15 | -76.8 | 1200 | 9:42 | | | | |
| 1203 | 19.12 | 6.65 | 367 | 16 | 0.14 | -87.2 | 1800 | 9.47 | | | | |
| 1206 | <i>P</i> 9.13 | 6.64 | 366 | 15 | 0.15 | -881 | 2400 | 9.42 | | | | |
| 1209 | 19.14 | 6.62 | 365 | 14 | 0.14 | -889 | 3000 | 9.42 | | | | |
| | | | | | <u> </u> | | | | | | | |
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| | | | | | | | | | | | | |
| Did well | ı dewater? | Yes | NO | I | Amount | actually e | evacuated: 31 | I | | | | |
| Sampling | Time: | 1210 | | | Sampling | g Date: | 9/24/18 | | | | | |
| Sample I.D.: Mu. 3g | | | | | Laborato | ry: Pa | | | | | | |
| Analyzed | for: | TPH-G | BTEX MT | BE TPH-D | | Other: Sa | - 61 | | | | | |
| Equipmer | nt Blank I. | D.: | @ Time | | Duplicate | e I.D.: | | | | | | |

Blaine Tech Services, Inc. 1680 Rogers Ave., San Jose, CA 95112 (408) 573-0555

LOW FLOW WELL MONITORING DATA SHEET

| Project #: | 18092 | <u>4-18</u> | | Client: | GHD | | | | | | | | | | |
|---------------------------|-----------------------------|-------------------------|---------------------------------------|---------------------|---|-------------|---------------------------------|---|--|--|--|--|--|--|--|
| Sampler: | LB | | | Gauging D | ate: | 9 24 18 | | | | | | | | | |
| Well I.D.: | MW-G | | | Well Diam | eter (in.) | : 2 3 | 3 4 6 8 | | | | | | | | |
| Total We | ll Depth (f | t.): <i>]4</i> , | 64 | Depth to W | Vater (ft.) | : 10-3 | 34 | | | | | | | | |
| Depth to] | Free Produ | ict: | | Thickness | of Free Pr | oduct (fe | eet): | $\begin{array}{c ccccccccccccccccccccccccccccccccccc$ | | | | | | | |
| Reference | ed to: | ₽₩G | Grade | Flow Cell | Туре: <u></u> У | 55 000 | | 8 ump her /2.5 ' ved Depth to Water (ft.) 10.39 | | | | | | | |
| Purge Metho Sampling M | od: ethod: | 2" Grundfe Dedicatee | os Pump Tybing | | Peristaltic Pump Bladder Pump New Tubing Other | | | | | | | | | | |
| Start Purge | Гіте: <u>//2</u> | L | Flow Rate: _ | ZOOML | MAIN | | Pump Depth: | 12.5' | | | | | | | |
| Time | Temp. (° C or °F) | pН | Cond. (mS/cm or µS/cm) | Turbidity (NTUs) | D.O. (mg/L) | ORP (mV) | Water Removed (gals. or prL) | Depth to Water (ft.) | | | | | | | |
| 1124 | 19.23 | 6.78 | 361 | 38 | 0.21 | -72.9 | 600 | 10.39 | | | | | | | |
| 1127 | 19.37 | 6.76 | 362 | 21 | 6.17 | -80.1 | 1200 | 10.39 | | | | | | | |
| 1130 | 19.41 | 6.81 | 362 | 4 | 0.16 | -868 | 1800 | 10.39 | | | | | | | |
| 1133 | 19.42 | 6.87 | 360 | 8 | 0.13 | -95.9 | 2400 | 10:39 | | | | | | | |
| 1136 | H.36 | 6.88 | 358 | 8 | 0.14 | -96.5 | 3005 | 10.39 | | | | | | | |
| 1139 | 19.34 | 6.87 | 359 | 7 | <i>5.15</i> | 97.1 | 3600 | 10:39 | | | | | | | |
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| Did well | I dewater? | Yes | NO) | L | Amount | actually | evacuated: 3 | GL | | | | | | | |
| Sampling | Time: 1 | 140 | ····· · · · · · · · · · · · · · · · · | | Sampling | g Date: | 9/24/18 | | | | | | | | |
| Sample I. | .D.: w | 12/-6 | ····· | | Laborato | ry: PL | 6 | <u>, , , , , , , , , , , , , , , , , , , </u> | | | | | | | |
| Analyzed | for: | TPH-G | BTEX MT | BE TPH-D | | Other:<- | E INI | | | | | | | | |
| Fauinmer | nt Rlank I | <u></u> | @ | | Dunlicat | | | | | | | | | | |
| Indathing | ut Dialik I. | <i>L</i> | Time | | Dupicat | · 1.D | | | | | | | | | |

Blaine Tech Services, Inc. 1680 Rogers Ave., San Jose, CA 95112 (408) 573-0555
| | | | | | | | | 1 | | |
|---|---------------|-------------------------|-------------------|-----------------------|----------------------------|----------------|------------------------|----------|--|--|
| Project #: | 1809-2 | 24- <i>LB</i> / | | Client: 6HD | | | | | | |
| Sampler: | LB | | | Gauging D | vate: 9 | 124/18 | | | | |
| Well I.D.: | : MW-7 | | | Well Diam | eter (in.) : | $\frac{1}{2}$ | 4 6 8 | | | |
| Total We | ll Depth (f | t.): | 14.67 | Depth to W | Vater (ft.) | : 9,99 | 7 | | | |
| Depth to] | Free Produ | ict: | | Thickness | of Free Pr | oduct (fe | et): | | | |
| Reference | ed to: | PVC | Grade | Flow Cell | Type: | 15I FS | 2 | | | |
| Purge Metho Sampling M | od: ethod: | 2" Grundfe Dedicatee | os Pump Tubing | | Peristatic P New Tubing | - 'ump g | Bladder Pump Other_ | | | |
| Start Purge | Time: 1045 | | Flow Rate: | ZOOML | MIN | | Pump Depth: | 12.5' | | |
| TimeCond. (mS/cm or pHCond. (mS/cm or (mS/cm)D.O. (mV)ORP (mV)Water Removed (gals. or mC)Depth to Water (ft.) | | | | | | | | | | |
| 1048 | 17.58 | 6.63 | 329 | 21 | 0.36 | -83.9 | 600 | 10.03 | | |
| 1051 | 17:67 | 6.63 | 327 | 18 | 0.50 | -75.3 | 1200 | 10.03 | | |
| 1654 | 17.80 | 6.64 | 325 | 13 | 0.49 | -66.2 | 18005 | 10.03 | | |
| 1057 | 17.82 | 6.68 | 321 | 12 | 0.48 | -67.1 | 2400 | 10.03 | | |
| 1100 | 17.84 | 669 | 320 | | 0.47 | -68.4 | 3000 | 10.03 | | |
| | | | | | | | | | | |
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| Did well | l dewater? | Yes | 20 | L | Amount | actually e | ا evacuated: 3ر | 1 | | |
| Sampling | ; Time: | İlol | | | Sampling | g Date: | 9/24/18 | | | |
| Sample I. | .D.: Mw | -7 | | | Laborato | ry: | PALE | <u> </u> | | |
| Analyzed | l for: | TPH-G | BTEX MTI | MTBE TPH-D Other: SEC | | | | | | |
| Equipme | nt Blank I. | D.: | @ Time | | Duplicate | e I.D.: | | | | |

| Project #: | 180924 | ·LBI | | Client: GHD | | | | | | | |
|--|------------------|-------------------------|-------------------|-------------------------|-----------------------------|------------|------------------------|------|--|--|--|
| Sampler: | LB | | | Gauging D | ate: 9/2 | 24/18 | | | | | |
| Well I.D.: | MW-9 | | , | Well Diam | eter (in.) | : 3 | 4 6 8 | | | | |
| Total Wel | ll Depth (f | t.): | 14,54 | Depth to W | /ater (ft.) | : 9.25 | . | | | | |
| Depth to 1 | Free Produ | ict: | | Thickness | of Free Pr | oduct (fe | et): | | | | |
| Reference | ed to: | RVC | Grade | Flow Cell | ۲ype: <u></u> | 15I 556 |) | | | | |
| Purge Metho Sampling M | od: ethod: | 2" Grundfo Dedicated | os Pump Tubing | | Peristaltic P New Tubing | ump g | Bladder Pump Other_ | | | | |
| Start Purge | Гіте: <u>122</u> | 5 | Flow Rate: | ZOOML | MEN | | Pump Depth: | 12' | | | |
| Temp. TimeCond. (mS/cm or pHD.O. (mS/cm)ORP (mS/cm)Water Removed (mS/cm)Depth to Water (mg/L)Time(O or °F)pH(mS/cm)(NTUs)(mV)(gals. or nu)(ft.) | | | | | | | | | | | |
| 1228 | 19.02 | 6.58 | 323 | 18 | 0.16 | -63.4 | 600 | 9.31 | | | |
| 1231 | 18.96 | 6.58 | 374 | 1 | 0.15 | -764 | 1200 | 931 | | | |
| 1234 | 18.72 | 6.61 | 328 | . 11 | 0.13 | -868 | 1800 | 9.31 | | | |
| 1237 | 17:81 | 6.68 | 323 | 10 | OB | -88.0 | 2460 | 9.3/ | | | |
| 1240 | 18.69 | 6.71 | 322 | 10 0.12 -89.1 3000 9.31 | | | | | | | |
| 1243 | 18.66 | 6.73 | 321 | 10 | 0.11 | -90.6 | 3600 | 9.31 | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| Did well | dewater? | Yes | 25 | | Amount | actually e | evacuated: 36 | L | | | |
| Sampling | Time: | 1244 | | | Sampling | g Date: | 9/24/18 | | | | |
| Sample I. | D.: Mw | 9 | | | Laborato | ry: P | | u | | | |
| Analyzed | for: | , TPH-G | BTEX MT | BE TPH-D Other: SEE | | | | | | | |
| Equipme | nt Blank I | D • | @ | Dunlicate I D : | | | | | | | |
| Landarburg | at Diant I. | L/ · · | Ime | | Dupneut | • | | | | | |

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CHAIN-OF-CUSTODY / Analytical Request Document The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

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| Required | l Client Information: | Required Project Information: | | voice Inform | ition: | | | • | . | - 996 - | - | 5 |] |
| Company | r. GHD Services | Report To: christina.mcclelland@ghd.co | E | ttenuon: omnanv Namv | - GHD Servic | 20 | | | • | • | | | |
| | 121 North 20th St | Copy 1o: Jettrey.cloud.cogna.com | | ddreśs: | | | | | R | egulatory A | Jency | | |
| | Lynnwood, WA 98036 | | | acco Ocoto Do | faranca. | | | | | | | | |
| mail To. | christina.mcclelland@ghd.com | Purchase Order No. | | ane unue re | ananar lanr | vi Groce | | | | State // loce | tion | | |
| hone: | Fax | Client Project ID: 06/21/3-03A-03 | | ace Profile # | | | | | | Kent W | - | | |
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| 12 | A TRANSPORT COMMENTS | REEKKOUISHED BY // AFFILIATION | OATE | I I | AGGE | PTED BY / A | FEILIA TION | | E TIM | | SAMPLE | SNOLLIGNOO | |
| | | A A BAND | 9/12/1 | | SHEPPED | Van Fer | Ц Д | | | | | | |
| Lab to t | liter and preserve | | | | | | | | | | | | |
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| | | SAMPLER NA | ME AND SIGNAT | JRE | | | | | | ; | uo | (N) ealee | |
| | | PRINT Na | me of SAMPLER: | Lee F | JUPES | | | | - X |) ni 9 | (N/X) | ody S er (Y) | |
| | | SIGNATU | RE OF SAMPRER | | | | DATE Sign | od: 9/24 | 18 | TEM | | ilen) Ioo) | -4 |

| Client: GHD | | Sit | ie: | P | ∞ | Kent | Γ- | 12 | 15 | ZNI | <u>4</u> | 佢 | <u>N.</u> | | Date: <u>9/24/18</u> |
|--------------|--|--------------------|---------------------|--------------|--------------------------|--------------------------|------------------------|-------------------------|---------------|------------------|-------------|-------------|--------------------------|--|---|
| Job #: 18092 | 4-LE | 31 | • | | Тес | hnic | ian: | l | B | UP | ES | | | | Page of |
| | | | | | Ch | eck il | ndica | tes de | ficien | су | | | | <u> </u> | |
| Well ID | Well Inspected - No. Corrective Action Required | Cap non-functional | Lock non-functional | Lock missing | Bolts missing (list qty) | Tabs stripped (list qty) | Tabs broken (list qty) | Annular seal incomplete | Apron damaged | Rim / Lid broken | Trip Hazard | Below Grade | Other (explain in notes) | Well Not Inspected (explain in notes) | Notes (list if cap or lick replaced, if there are access issues associated with repairs, if traffic control is required, if stand pipe damaged, or any specific details not covered by checklist) |
| MW-1 | × | | | | | | | | | | | | | | |
| MW. 3R | × | | | | | | | | | | | | | | |
| MW-G | × | | | | | | | | | | | | | | |
| MW-7 | × | | | | | | | | | | | | | | |
| Mw-9 | × | | | | | | | | | | | | | | |
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WELLHEAD INSPECTION FORM

NOTES:

TEST EQUIPMENT CALIBRATION LOG

| | တ | | | | | | | | |
|-------------------|----------------------------------|---------------------|---------------|---------------------|-----------|--|--|--|--|
| | INITIAL | LB | Ø7 | 5 | 73 | | | | |
| H-LB) | TEMP. | 16.8 | الورح | 69 | | | | | |
| IBER 18042 | CALIBRATED TO: OR WITHIN 10%: | | | | | | | | |
| PROJECT NUN | EQUIPMENT READING | 3981 | 39021 | 387.61 | 38. 4N | | | | |
| | STANDARDS USED | 914.0 7.0 0.0 | CONID 3900 | <i>01</i> 20 390 | so læf | | | | |
| Kent | DATE/TIME OF TEST | 9/271/B | | | | | | | |
| TE PCC | EQUIPMENT NUMBER | Sea #72 | | | | | | | |
| PROJECT NAN | EQUIPMENT NAME | Yar 536 | | | | | | | |

WELL GAUGING DATA

| Project # _ | 1812 | 29-LBI | Date | 12/2 | 118 | _Client | бнр |
|-------------|------|--------|----------|--------|---------|---------|-----|
| Site P | CC | KENT - | - 1215 2 | ND AVE | N. KENT | | |

| | | Wall | | | Thickness | Volume of | | | Survey Point: | |
|---------|------|-------|---------|------------------------|------------------|------------------------|----------------|---------------|------------------|-------|
| | | Size | Sheen / | Depth to Immiscible | of Immiscible | Immiscibles Removed | Depth to water | Depth to well | TOB or | |
| Well ID | Time | (in.) | Odor | Liquid (ft.) | Liquid (ft.) | (ml) | (ft.) | bottom (ft.) | TOC | Notes |
| MW-1 | 0720 | 2 | | | | | 9.09 | 1689 | T | |
| Mul-3R | MEE. | 2 | | | | | 8.25 | 14.91 | | |
| Mu.C. | 6973 | 7 | | | | | 937 | 14.76 | | |
| have 7 | 6920 | 2 | | | | | 8.68 | 14.77 | | |
| han 0 | 0870 | 2 | | | | | 791 | 145 | | |
| 1.144-7 | | | | | | | | 1, | - | |
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BLAINE TECH SERVICES, INC. SAN JOSE SACRAMENTO LOS ANGELES SAN DIEGO SEATTLE

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|---------------------------|--------------------|-------------------------|--|----------------------------|-----------------------------|----------------|--------------------------------|-------------------------|--|--|
| Project #: | 181231-1 | LB) | | Client: 6HD | | | | | | |
| Sampler: | LB | | | Gauging D | late: 12 | 31/18 | | | | |
| Well I.D.: | MW-1 | | | Well Diam | eter (in.) : | <u>ک</u> 3 | 4 6 8 | | | |
| Total Wel | ll Depth (f | t.): K | .89 | Depth to W | Vater (ft.) | : 9.09 |) | | | |
| Depth to 1 | Free Produ | ict: | | Thickness | of Free Pr | oduct (fe | et): | | | |
| Reference | ed to: | RVC | Grade | Flow Cell | Type: | YST 535 | | | | |
| Purge Metho Sampling M | od: ethod: | 2" Grundfe Dedicated | os Pump Tubing | | Peristaltic P New Tubing | - Jump g | Bladder Pump Other_ | | | |
| Start Purge | Гіте: <u>072</u> | 7 | Flow Rate: | ZOOML | INDN | | Pump Depth: | 12' | | |
| Time | Temp. ((Ôor °F) | pН | Cond. (mS/cm or µ&/cm) | Turbidity (NTUs) | D.O. (mg/L) | ORP (mV) | Water Removed (gals. or mb) | Depth to Water (ft.) | | |
| 0732 | 6-71 | 6.76 | 267 | ZI | 0.48 | -100.5 | 600 | 9.13 | | |
| 6735 | 7.03 | 6.79 | Z58 | - 14 | 0.34 | -105.3 | 1200 | 9.13 | | |
| 0738 | 7.30 | 6.81 | 254 | 11 | 0.29 | - 110.6 | 1800 | 9.13 | | |
| 0741 | 7.39 | 6-80 | 251 | 10 | 0.28 | -111.5 | 2400 | 9.13 | | |
| 0744 | 7.40 | 6.81 | 250 | 10 | 6.27 | -112.8 | 3000 | 9.13 | | |
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| <u></u> | | | | | | | | | | |
| Did well | dewater? | Yes | NO NO | J | Amount | actually e | evacuated: 3 | ۰. ۲ | | |
| Sampling | ; Time: | 0745 | | | Sampling | g Date: | 12/31/18 | | | |
| Sample I. | .D.: Mw | -1 | | | Laborato | ry: | PACE | | | |
| Analyzed | l for: | TPH-G | BTEX MT | MTBE TPH-D Other): SET COL | | | | | | |
| Equipme | nt Blank I. | D.: | @ Time | Duplicate I.D.: | | | | | | |

| Project #: | 1812 | 31-1BI | | Client: | GHD | | | | | |
|---------------------------|--------------------|------------------------|------------------------------|---------------------------|---|-----------------|---------------------------|-------------------------|--|--|
| Sampler: | LB | > | | Gauging D | ate: | 2 31 18 | | | | |
| Well I.D.: | : MW-3R | · · · | | Well Diam | eter (in.) : | Ø 3 | 4 6 8 | | | |
| Total We | ll Depth (f | t.): µ | 1.91 | Depth to W | /ater (ft.) | : 8.25 | | | | |
| Depth to] | Free Produ | ict: | | Thickness | of Free Pr | oduct (fe | et): | | | |
| Reference | ed to: | PVO | Grade | Flow Cell | Туре:> | 15E 536 | | | | |
| Purge Metho Sampling M | od: ethod: | 2" Grundf Dedicated | os Pump Tubing | | Peristaltic Pump Bladder Pump New Tubing Other | | | | | |
| Start Purge | Time: 075 | 8 | Flow Rate: | ZOO ML/ | MIDN | | Pump Depth: | 12' | | |
| Time | Temp. (°Øor °F) | pН | Cond. (mS/cm or µ&/cm) | Turbidity (NTUs) | D.O. (mg/L) | ORP (mV) | Water Removed (gals. or m | Depth to Water (ft.) | | |
| 0801 | 11.60 | 6.47 | 900 | 34 | 6.50 | -127.3 | 600 | 8.29 | | |
| 0804 | 11-82 | 6.62 | 996 | 25 | 0.14 | -150.7 | 1200 | 8.29 | | |
| 0807 | 11.85 | 6.64 | 1008 | 13 | 0.11 | -152.3 | 1800 | 8.29 | | |
| 0810 | 12.38 | 6.65 | 1010 | 9 | 6.10 | -161.3 | 2400 | 8.29 | | |
| 0813 | 12.39 | 6.65 | 1012 | 8 | 0.10 | -162.9 | 3000 | 8.29 | | |
| 0816 | 12.40 | 6.67 | 1013 | 8 | 0.10 | -1636 | 3600 | 8.29 | | |
| | | | | | · · · · · · · · · · · · · · · · · · · | | | | | |
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| Did well | l dewater? | Yes | L | l | Amount : | l actually e | vacuated: 3. | í | | |
| Sampling | ; Time: | 6817 | | | Sampling | g Date: | 12/31/18 | | | |
| Sample I. | D.: M | W-3R | | | Laborato | ry: P | ACE | | | |
| Analyzed | for: | TPH-G | BTEX MTI | MTBE TPH-D Other: COF SOC | | | | | | |
| Equipmer | nt Blank I. | D.: | @ Time | Duplicate I.D.: | | | | | | |

| Project #: | 18123 | SI-181 | * <u>1</u> | Client: | GHD | | ···· | |
|---------------------------|----------------------------|------------------------|------------------------------|---------------------------|--|-------------|------------------------------|-------------------------|
| Sampler: | LB | | | Gauging D | ate: 12 | 2 31 18 | | |
| Well I.D.: | MW-G | | | Well Diam | eter (in.) : | Ø 3 | 4 6 8 | |
| Total Wel | ll Depth (f | t.): | 4.76 | Depth to W | Vater (ft.) | 9.37 | | |
| Depth to I | Free Produ | ict: | 110 | Thickness | of Free Pr | oduct (fe | et): | |
| Reference | ed to: | PVQ | Grade | Flow Cell | Туре: У | H 556 | | |
| Purge Metho Sampling M | od: ethod: | 2" Grundf Dedicated | os Pump Tubing | | Peristaltic P New Tubing | ump g | Bladder Pump Other_ | |
| Start Purge | Гіте: <u>090</u> | <u>z</u> | Flow Rate: | ZOO ML | MIIN | | Pump Depth: | 12.5' |
| Time | Temp. (% or °F) | рН | Cond. (mS/cm or µ&/cm) | Turbidity (NTUs) | D.O. (mg/L) | ORP (mV) | Water Removed (gals. or 🖽 | Depth to Water (ft.) |
| 6905 | 11.38 | 6.65 | 886 | 22 | 0.25 | - 133.8 | 600 | 9.41 |
| ୦୩୦୫ | 11.57 | 6.68 | 908 | 12 | 0.22 | -134.6 | 1200 | 9.41 |
| 6911 | 12.04 | 6.71 | 912 | Ì | 0.18 | -138.9 | 1800 | 9.41 |
| 0914 | 12.05 | 6-71 | 913 | 10 | 0.17 | -139.8 | 2400 | 9.41 |
| 0917 | 12.05 | 6.70 | 914 | 11 | 0.16 | -140.3 | 3000 | 9.41 |
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| | | | | | | | | |
| Did well o | dewater? | Yes | r S | L | Amount a | actually e | vacuated: 32 | 1 |
| Sampling | Time: | 6918 | | | Sampling | ; Date: | 12/31/19 | |
| Sample I. | D.: MV | V-6 | | | Laborator | ry: Pa | LE | |
| Analyzed | for: | TPH-G | BTEX MTE | MTBE TPH-D Other: SAE COC | | | | |
| Equipmer | nt Blank I. | D.: | @ Time | Duplicate I.D.: | | | | |

| Project #: | 18123 | I-LBI | | Client: GHD | | | | | | |
|---------------------------|--------------------|-------------------------|------------------------------|---------------------------|-----------------------------|-------------|---------------------------|---------------------------------------|--|--|
| Sampler: | LB | | | Gauging D | ate: 12 | 31/18 | | | | |
| Well I.D. | : MW-7 | | | Well Diam | eter (in.) | Ø 3 | 4 6 8 | | | |
| Total We | ll Depth (f | t.): / | 4.77 | Depth to W | /ater (ft.) | : 8.68 | | | | |
| Depth to 1 | Free Produ | ict: | | Thickness | of Free Pr | oduct (fe | et): | | | |
| Reference | ed to: | PVG | Grade | Flow Cell | Туре:у | 5I 5I6 | | · · · · · · · · · · · · · · · · · · · | | |
| Purge Metho Sampling M | od: ethod: | 2" Grundfo Dedicated | os Pump Dubing | | Peristaltic)P New Tubing | ump g | Bladder Pump Other_ | | | |
| Start Purge | Time: 092 | 2 | Flow Rate: | ZOOML | MAN | | Pump Depth: | 12' | | |
| Time | Temp. (O or °F) | pН | Cond. (mS/cm or µS/cm) | Turbidity (NTUs) | D.O. (mg/L) | ORP (mV) | Water Removed (gals. or n | Depth to Water (ft.) | | |
| 6935 | . (1. 14 | 667 | 744 | 12 | 0.19 | -126.7 | 600 | 8.71 | | |
| 09138 | 11.33 | 6.69 | 732 | 10 | 0.18 | -134.3 | 1200 | 8.71 | | |
| 0941 | 11.39 | 6.76 | 731 | 8 | 0.13 | -140.9 | 1800 | 8.71 | | |
| 0944 | 11.67 | 6.75 | 744 | .8 | 0.11 | - 142.3 | 2400 | 8.71 | | |
| 0947 | 11.69 | 6.74 | 745 | 7 | 0.10 | -1436 | 3000 | 8.71 | | |
| 6950 | 11.70 | 6.73 | 746 | 6 | 0.10 | - [44.] | 3600 | 8.7/ | | |
| | | | | | | | · · | | | |
| | | | | | | | | | | |
| | | | - | | | | | | | |
| Did well | l dewater? | Yes | ANJ. | I | I Amount : | actually e | vacuated: 3 | . 6L | | |
| Sampling | Time: | 6951 | | | Sampling | g Date: | 12/31/18 | | | |
| Sample I. | D.: Mw- | 7 | | | Laborato | ry: - | PARE | | | |
| Analyzed | for: | TPH-G | BTEX MTH | MTBE TPH-D Other: STE COT | | | | | | |
| Equipmer | nt Blank I. | D.: | @ Time | Duplicate I.D.: | | | | | | |

| Project #: | 1823 | -1B1 | | Client: | 6HD | | n n i ji an | |
|---------------------------|-------------------|------------------------|------------------------------|---------------------|----------------|-------------|---|-------------------------|
| Sampler: | LB | | | Gauging D | ate: 12/ | 31/18 | | |
| Well I.D. | : MW-9 | | | Well Diam | eter (in.) | : @ 3 | 4 6 8 | |
| Total We | ll Depth (f | t.): p | 1.51 | Depth to W | Vater (ft.) | : 7.91 | | |
| Depth to 1 | Free Produ | uct: | | Thickness | of Free Pr | oduct (fe | et): | |
| Reference | ed to: | PVQ | Grade | Flow Cell | Туре:} | 151 556 | | |
| Purge Metho Sampling M | od: ethod: | 2" Grundf Dedicated | os Pump Dabing | | Peristalti | rump g | Bladder Pump Other_ | |
| Start Purge | Time: 08 | 30 | Flow Rate: | ZOO ML | MEN | | Pump Depth: | 115' |
| Time | Temp. (Øor °F) | pН | Cond. (mS/cm or µ8/cm) | Turbidity (NTUs) | D.O. (mg/L) | ORP (mV) | Water Removed (gals. or m | Depth to Water (ft.) |
| 0333 | 12.04 | 6.3 | 942 | 36 | 0-12 | -155,1 | 600 | 7.95 |
| 0836 | 12.25 | 6.63 | 946 | 37 | 0.10 | -158.9 | 1200 | 7.95 |
| 0839 | 12.45 | 6.65 | 951 | 34 | 0.07 | -160.8 | 1800 | 7.95 |
| 0842 | 12.48 | 6.65 | 951 | 33 | 0.00 | -161.7 | 2400 | 7.95 |
| 0845 | 12.60 | 6.67 | 952 | 34 | 0.00 | -162.2 | 3000 | 7.95 |
| | | | | | | | | |
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| | | | | | | | | |
| Did well o | dewater? | Yes | 8 | | Amount a | actually e | vacuated: 31 | |
| Sampling | Time: | 0846 | | | Sampling | , Date: | 12/31/19 | |
| Sample I. | D.: M | u-9 | | | Laborator | ry: | PACE | |
| Analyzed | for: | TPH-G | BTEX MTE | BE TPH-D | | Other: SF | ECOL | |
| Equipmer | nt Blank I. | D.: | @ Time | | Duplicate | I.D.: | | |

| - Hao | e Analytical | | | | The Chain | -of-Cust | ody is | a LEG | IAL DO | CUME | NT. A | relev | ant fie | ids mu | st be c | omplet | ed accu | ırately. | | | | | |
|-------------|---|---------------------------------------|----------------|-------------|-------------|----------------|----------|---------------|-------------|----------------|----------|-------------|--------------------|----------|----------|------------|------------------------|-------------------------|-------------------|---------|---------|------------|-----------|
| Section / | | Section B | | | · | | Section | ပ္ | | | | | | | | | | L | | | | | _ |
| Required | l Client Information: | Required Project I | Iformatio | | | | Invoice | luforn | nation: | | | | | | | | | <u> </u> | age : | - | ō | - | |
| Company | c GHD Services | Report To: Chris | tina.mc | lelland@ | ghd.com | | Attentic | .: | | | | | | | | | | | | | | | |
| | 121 North 20th St | Copy To: jeffr | y.cloud | @ghd.cor | U | | Compa | ny Nar | ne: GH | D Ser | vices | | | | 1000000 | | | 10/100203-000-000202020 | | | | | |
| | Lynnwood, WA 98036 | | | • | | | Addres | S: - | | | | | | | | | | Regi | latory | dgency | | | 6.9X |
| Email To: | christina.mcclelland@ghd.com | Purchase Order No | | | | | Lace | inote H | ererence | - | | | | | | | | | Second Second | | | | 100 |
| Phone: | Fax | Client Project ID: | 62175-(| 5A-03 | 22 | Kent | Pace F | roject N | vianager. | 9 | | SSS | | | | | | 30 | | atton | | | 200 |
| Requeste | ed Due Date/IAI: 10 Day (Standard) | Container Urder Nu | mber: | | | | race r | rome # | | | | 100000 | 1000 March 1000 | | | | AND ALCONOMY OF A | | Anuav | H . | | | |
| | | | | | | ┝ | F | | | | | | ╞ | Request | ed Anal | /SIS FILD | ired (Y/I | _ _ _ | L | | | | (S. 1989) |
| | | · · · · · · · · · · · · · · · · · · · | • | 00 | FCTED | | | • | Preser | vatives | | N/X | | <u></u> | | | | | | | | | Second |
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| | | Vater DW | | TART | END | | | | | | | | | | | | | | | | | | |
| | One Character per box. Waste W. Waste W. Waste W. | later Wi | (dW | | | | | | | | | | | | | | | | | | | | |
| | Sample ids must be unique soirsoid | ਸ sepo | 00=0 | | | NOIT | | | | | | | s⊃(| | | | | | | | | | |
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| ; | | CODE | LAPE | | | 9M3T | INIATN | | | 50 | lo | iðski | <u>u u</u> Euli | | | | | | | | • | | |
| #WƏTI | |) XIATAM | SAMPLE DAT | TIMF | DATE | SAMPLE MPLE | # OE COI | H2SO4 | нсі ниоз | HOBN HOBN | Metham | nemo 6nA | 0928 | 1.00 | | | | | subise 0 | 200/221 | | | |
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| 12 | | | | | | | | | | | | | | | | _ | 1990-1900 1990-1900 | | | | | | Party |
| | ADDITTONAL COMMENTS | RELING | NSHED B | Y / AFFILIA | TION | DATE | ш | ME | | ACC | SEPTED | BY/A | FFILIA | NOI | | DAT | in | TIME | | SAMP | LE COND | TIONS | 100 |
| **lah to fi | lter and preserve | | Ŵ | H | | 3 18 | Ś | 8 | <u></u> | HPU | P | 中 | ENE | × | | | | | | | | | |
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| | | | | ŝ | SNATURE of | SAMPLE | | | M | W | | | ° | ATE Sigr | Ed: | 12/16 | | | | 9295 | Ce (Y | ∋loole | |
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CHAIN-OF-CUSTODY / Analytical Request Document The Chain-of-Custodv is a LEGAL DOCUMENT All relevant fields must be completed

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Pace Analytical

WELLHEAD INSPECTION FORM

| Client: <u>GHD</u> | | Si | te: | | PC | <u> </u> | ENT | | | | | | | | Date: | 12/3 | 8/18 | |
|--------------------|---|--------------------|---------------------|--------------|--------------------------|--------------------------|------------------------|-------------------------|---------------|------------------|-------------|-------------|--------------------------|--|--|---|---|--|
| Job # : | LBI | , <u>, ,</u> | | | Tec | hnic | ian: | | ·B | URE | 3 | | | | Page | | _ of _ | / |
| | Γ | | | | Ch | eck i | ndicat | tes de | ficier | су | | | | | | | | |
| Well ID | Well Inspected - No Corrective Action Required | Cap non-functional | Lock non-functional | Lock missing | Bolts missing (list qty) | Tabs stripped (list qty) | Tabs broken (list qty) | Annular seal incomplete | Apron damaged | Rim / Lid broken | Trip Hazard | Below Grade | Other (explain in notes) | Well Not Inspected (explain in notes) | (list if cap or issues assoc is required specific d | Not r lick replac ciated with 1, if stand p letails not c | ed, if there repairs, if ipe damag overed by | e are access traffic control jed, or any checklist) |
| MW-1 | X | | | | | | | | | | | | | | | | | |
| MW-3R | Х | | | | | | | | | | | | | | | | | |
| MW-G | X, | | | | | | | | | | | | | | | | | |
| Mw.7 | У | | | | | | | | | | | | | | | | | |
| Mw.9 | X | | | | | | | | | | | | | | | | | |
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NOTES:

TEST EQUIPMENT CALIBRATION LOG

| PROJECT NAI | ME PCC KI | BNT . | - | PROJECT NUN | IBER 181231 | -181 | |
|-------------------|---------------------|----------------------|-------------------|----------------------|----------------------------------|-------|----------|
| EQUIPMENT NAME | EQUIPMENT NUMBER | DATE/TIME OF TEST | STANDARDS USED | EQUIPMENT READING | CALIBRATED TO: OR WITHIN 10%: | TEMP. | INITIALS |
| }5£ 9€6 | SEA #2 | 0245 | 0.4 Hd | 3.91 7.03 |) | N5.6 | 787 |
| | | | COND 3900 | Bach |] | 154 | 78 |
| | | | <i>SRP</i> 240 | 239.4 | 7 | 156 | 73 |
| | | | DG 100% | C. C. % | 7 | | rB. |
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WELL GAUGING DATA

| Project # | 190313-LBI | Date | 3/13/ | 19 | Client | GHD | |
|-----------|------------|------|-------|----|--------|-----|--|
| | | - | ,, | | | | |

Site PCC KENT - 1215 2ND AVE N.

| | | Well | | Depth to | Thickness of | Volume of Immiscibles | | - | Survey Point: | |
|---------|------|---------------|-----------------|----------------------------|----------------------------|--------------------------|-------------------------|-------------------------------|------------------|-------|
| Well ID | Time | Size (in.) | Sheen / Odor | Immiscible Liquid (ft.) | Immiscible Liquid (ft.) | Removed (ml) | Depth to water (ft.) | Depth to well bottom (ft.) | TOB or | Notes |
| MW-1 | 0944 | Z | | | | | 8.53 | 16-91 | 7 | |
| MW-3R | 1011 | 2 | | | | | 7.91 | 14.88 | | |
| MIN-G | 6844 | 2 | | | | | 8.95 | 478 | | |
| MW-7 | 0810 | Z | | | | | 8.39 | 14.75 | | |
| MW-9 | 6915 | 2 | | | | | 7.39 | 14.51 | \downarrow | |
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| Project #: | 19031 | 3-LBI | | Client: | Ghd | | | |
|---------------------------|------------------|------------------------|------------------------------|---------------------|------------------------------|-------------|--------------------------------|-------------------------|
| Sampler: | LB | | | Gauging D | ate: 3 | 113/19 | | |
| Well I.D. | : MW-1 | | | Well Diam | neter (in.) | : 2 3 | 4 6 8 | |
| Total We | ll Depth (f | t.): 4 | 6-91 | Depth to W | Vater (ft.) | : 8.5 | 2 | |
| Depth to 2 | Free Produ | uct: | e1 | Thickness | of Free Pr | oduct (fe | et): | |
| Reference | ed to: | RO. | Grade | Flow Cell | Type: | YSE AZO | Aux | |
| Purge Metho Sampling M | od: ethod: | 2" Grundf Dedicated | os Pump Tubing | | Peristaltic P New Publing | ump g | Bladder Pump Other_ | |
| Start Purge | Time: <u>094</u> | 8 | Flow Rate: | ZOOML | MITTA | | Pump Depth: | 3 |
| Time | Temp. (Or °F) | pН | Cond. (mS/cm or µ8/cm) | Turbidity (NTUs) | D.O. (mg/L) | ORP (mV) | Water Removed (gals. or mb) | Depth to Water (ft.) |
| 8951 | 9.1 | 6.87 | 442 | 14 | 1-84 | -40.2 | 600 | 8.59 |
| 0954 | 9.2 | 6.81 | 486 | 10 | 1.56 | -31.4 | 1200 | 8.59 |
| 0957 | 9.8 | 6-81 | 479 | 11 | 1.48 | -33.3 | 1800 | 8.59 |
| 10005 | 9.9 | 6.82 | 478 | 10 | 1.46 | -34.6 | 2400 | 8.59 |
| 1003 | 9.9 | 6.82 | 477 | lo | 1.45 | -36.1 | 3000 | 8.59 |
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| Did well o | lewater? | Yes | K9 | | Amount a | actually e | vacuated: 3/_ | |
| Sampling | Time: | 1004 | | | Sampling | Date: 3 | 3/13/19 | |
| Sample I. | D.: MU | ı-1 | | | Laborator | y: Pad | E | |
| Analyzed | for: | TPH-G | BTEX MTB | E TPH-D | | Other: SE | ECOr | |
| Equipmen | t Blank I. | D.: | @ Time | | Duplicate | I.D.: | | |

| Project #: | 1903 | 13-LB1 | | Client: | GHD | | | |
|---------------------------|--------------------|------------------------|------------------------------|---------------------|----------------|--|------------------------------|---------------------------------------|
| Sampler: | LB | | | Gauging D | Date: 3 | 113/19 | | |
| Well I.D. | : MW-3 | R | | Well Diam | neter (in.) | : @ 3 | 4 6 8 | 3 |
| Total We | ll Depth (f | t.): 14 | 100 | Depth to V | Vater (ft.) | : 7.9 | 1 | |
| Depth to | Free Produ | | - 60 | Thickness | of Free Pi | roduct (fe | eet): | |
| Reference | ed to: | PVC') | Grade | Flow Cell | Туре: | YSI PRO | PLix | |
| Purge Metho Sampling M | od: lethod: | 2" Grundf Dedicated | os Pump Tubing | L | Peristaltie | Fump g | Bladder Pump Other_ |) |
| Start Purge | Time: <i>16</i> | 5 | Flow Rate: | ZOOML | / MIEN | ······································ | Pump Depth: | 12' |
| Time | Temp. | рH | Cond. (mS/cm or µS/cm) | Turbidity (NTUs) | D.O. (mg/L) | ORP (mV) | Water Removed (gals. or n | Depth to Water (ft.) |
| 1018 | 11.7 | 7.05 | 1230 | 14 | 1.42 | -29.7 | 600 | 7.98 |
| 1021 | 11.8 | 7.06 | 1255 | 11 | 1.37 | -38.1 | 1200 | 7.98 |
| 1024 | 11.9 | 7.06 | 12520 | 10 | 1.34 | -43.5 | 1800 | 7.98 |
| 1027 | 12.0 | 7.09 | 1261 | 10 | 1.33 | -45.1 | 2400 | 7.98 |
| 1030 | 12.1 | 7.10 | 1261 | 10 | 1.32 | -464 | 3000 | 7.98 |
| 1033 | 12.1 | 7.11 | 1262 | 10 | 1.31 | -47.9 | 3600 | 7.98 |
| | | | | | | | | |
| | | | · · · | | | | | · · · · · · · · · · · · · · · · · · · |
| | | | | | | | | |
| Did well a | dewater? | Yes (| NJ | | Amount a | actually e | vacuated: 3 | 66 |
| Sampling | Time: <i>l</i> | озн | | | Sampling | ; Date: | 3/12/10 | |
| Sample I. | D.: _{Mw-} | <u> </u> | | | Laborator | ry: PA | <u> </u> | · · · · · · · · · · · · · · · · · · · |
| Analyzed | for: | TPH-G | BTEX MTB | E TPH-D | | Other: SFR | ECA. | |
| Equipmen | nt Blank I.I | D.: | @ Time | | Duplicate | e I.D.: | | |

| Project #: | 1902 | 613-1BI | | Client: | GHD | | | |
|---------------------------|------------------|------------------------|------------------------------|---------------------|----------------------------|-------------|--------------------------------|-------------------------|
| Sampler: | L | B | | Gauging I | Date: 3 | 113 /A | | |
| Well I.D. | : MW-G | | A | Well Diam | neter (in.) | : 1 3 | 4 6 8 | } |
| Total We | ll Depth (f | ft.): // | 1.78 | Depth to W | Vater (ft.) | : 8,9 | 5 | |
| Depth to 1 | Free Produ | uct: | | Thickness | of Free Pi | oduct (fe | et): | |
| Reference | ed to: | PVC | Grade | Flow Cell | Type: | YSI PR | sAus | |
| Purge Metho Sampling M | od: ethod: | 2" Grundf Dedicated | os Pump Dubing | | Peristalic R New Tubing | ump g | Bladder Pump Other_ | |
| Start Purge | Time: 084 | 46_ | Flow Rate: | ZOO ML | MES | | Pump Depth: | 12' |
| Time | Temp. (Or °F) | pH | Cond. (mS/cm or µ&/cm) | Turbidity (NTUs) | D.O. (mg/L) | ORP (mV) | Water Removed (gals. or m1) | Depth to Water (ft.) |
| 0849 | 10.5 | 6.76 | 1164 | 3 | 6.63 | -122.0 | 600 | 9.07 |
| 0852 | 10.3 | 6.87 | 1210 | 3 | 0.61 | -134.8 | 1200 | 9.07 |
| 0865 | 10.5 | 6.81 | 1224 | 3 | 0.63 | -135.3 | 1800 | 9.07 |
| 0858 | 10.5 | 6.85 | 1226 | 3 | 0.61 | -137.3 | 2400 | 9.07 |
| 0901 | 10.4 | 6.86 | 1230 | 3 | 0.59 | -138.4 | 3000 | 9.07 |
| | | | | | | | | |
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| Did well o | lewater? | Yes (| NOT | <u> </u> | Amount a | ictually e | vacuated: 3 | |
| Sampling | Time: 0 | 902 | | | Sampling | Date: | 3/13/19 | |
| Sample I.I | D.: MW | 1.6 | | | Laborator | y: P | XE | |
| Analyzed | for: | TPH-G | BTEX MTB | E TPH-D | | Other: 50 | E COL | |
| Equipmen | t Blank I.I | D.: | @ Time | | Duplicate | I.D.: | | |

| Project #: | : 1903 | 13-LB1 | | Client: | 640 | | | |
|-----------------------------|-----------------|------------------------|------------------------------|---------------------------------------|----------------|-------------|----------------------------------|-------------------------|
| Sampler: | LB | ï | | Gauging D | Date: 2 | 3/13/19 | | |
| Well I.D. | : MW- | 7 | | Well Diam | neter (in.) | : 25 3 | 4 6 8 | } |
| Total We | ll Depth (f | t.): | 4.75 | Depth to V | Vater (ft.) | : 8.39 | | |
| Depth to | Free Produ | ıct: | | Thickness | of Free Pr | roduct (fe | et): | |
| Reference | ed to: | PXCJ | Grade | Flow Cell | Type: | YSI PRO | Ris | |
| Purge Methors Sampling M | od: lethod: | 2" Grundf Dedicated | os Pump /Tubing | | Peristaltic F | Pump g | Bladder Pump Other_ | |
| Start Purge | Time: <u>08</u> | <u> </u> | Flow Rate: | ZOO MIL | front | | Pump Depth: | 12' |
| Time | Temp. | pН | Cond. (mS/cm or µ8/cm) | Turbidity (NTUs) | D.O. (mg/L) | ORP (mV) | Water Removed (gals. or (115) | Depth to Water (ft.) |
| 6820 | 11.2 | 6-88 | 908 | 7 | 1.25 | -41.1 | 690 | 8.41 |
| 0823 | 11.5 | 7.15 | 918 | 3 | 6.94 | -84.8 | 1200 | 8.41 |
| 0826 | ÌI.7 | 7.23 | 915 | 3 | 0.92 | -92.6 | 1800 | 8.41 |
| 0829 | 11.5 | 7.28 | 903 | 3. | 0.91 | -102.6 | 2400 | 8.41 |
| 0832 | 11.5 | 7.29 | 902 | 4 | 0.90 | -1039 | 3000 | 8.41 |
| 0835 | 11.4 | 7.30 | 900 | 3 | 0,89 | -104.6 | 3600 | 8:41 |
| | | | | | | | ····· | |
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| | | | | | | | | |
| Did well o | dewater? | Yes | N) | | Amount a | actually e | vacuated: 3.6 | i L |
| Sampling | Time: 0 | 836 | | | Sampling | ; Date: | 3/13/19 | |
| Sample I. | D.: Mw | -7 | | · · · · · · · · · · · · · · · · · · · | Laborato | ry: PA | · £ | |
| Analyzed | for: | TPH-G | BTEX MTB | E TPH-D | | Other SE | z E Coc | · · · |
| Equipmen | t Blank I.I | D.: | @ Time | | Duplicate | e I.D.: | | |

| Project #: | 1903 | B 13-1BI | | Client: | GHD | | | |
|---------------------------|--------------------------|------------------------|------------------------------|---------------------|-----------------------------|-------------|--------------------------------|-------------------------|
| Sampler: | LB | | | Gauging D | ate: 3 | 113 A | | |
| Well I.D. | : MW-9 | | | Well Diam | eter (in.) | : 2) 3 | 4 6 8 | |
| Total We | ll Depth (f | t.): | | Depth to W | Vater (ft.) | : 7.29 |) | |
| Depth to | Free Produ | let: | | Thickness | of Free Pr | roduct (fe | et). | |
| Reference | ed to: | pvg | Grade | Flow Cell | Type: | YSI PEC | PLV | |
| Purge Metho Sampling M | od: lethod: | 2" Grundf Dedicated | os Pump Dubing | | Peristaltie P New Tubing | aump g | Bladder Pump Other_ | |
| Start Purge | Time: 69 | 18 | Flow Rate: _ | ZOO ML/ | MIN | | Pump Depth: | 12' |
| Time | Temp. ⊘ or °F) | pН | Cond. (mS/cm or µ§/cm) | Turbidity (NTUs) | D.O. (mg/L) | ORP (mV) | Water Removed (gals. or mL) | Depth to Water (ft.) |
| 6921 | 10.3 | 673 | 1140 | 10 | 1.88 | -186 | 600 | 7.44 |
| 0924 | 10.3 | 6.89 | 1163 | 8 | 1.24 | -41.9 | 1200 | 7.44 |
| 0927 | 10.7 | 6.96 | 1169 | 8 | 1.22 | -49.8 | 1800 | 7.44 |
| 0930 | 10,9 | 6.97 | 1167 | 8 | 1.06 | -57.6 | 2400 | 7.44 |
| 0933 | 10.9 | 6.98 | 1167 | 7 | 1.05 | -58,9 | 3000 | 7.44 |
| 0936 | 10.8 | 6.99 | 1166 | 7 | 1.04 | -60.3 | 3600 | 7.44 |
| | | | | | | | | |
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| | | | | | | | | |
| Did well o | dewater? | Yes | 25 | | Amount a | ictually e | vacuated: 3. | GL |
| Sampling | Time: | 0937 | | | Sampling | Date: | 3/13/19 | |
| Sample I. | D.: MW. | .9 | | | Laborator | ry: PA | VE | |
| Analyzed | for: | TPH-G | BTEX MTB | E TPH-D | | Other: < | F. CX | |
| Equipmer | nt Blank I. | D.: | @ Time | | Duplicate | I.D.: | | |

Pace Analytical

CHAIN-OF-CUSTODY / Analytical Request Document The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

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|----------|--|--|------------------|-----------|----------|--------------|----------------|----------------|-----------|---------|----------------|--|-----------------------|---------------|----------|-----------|----------|-------------|------------|----------|------------|--------|-----------|--------|----|
| Required | A 1 Client Information: | Section B Required Proj | ject Info | ormation: | | | | lovol | ce Info | rmatior | ë | | | | | | | | | <u> </u> | age : | - | ð | - | |
| Company | r: GHD Services | Report To: (| christi | na.mccle | lland@g | nd.com | | Atter | tion: | | | | | | | | | | | J | | | | | |
| | 121 North 20th St | Copy To: | ieffrey | cloud@ | thd.com | | | Com | pany N. | ame: (| SHD S | ervice | S | | | | | | | | | | | | |
| | Lynnwood, WA 98036 | | | · | | | | Addr | ess: | | | | | | | | | | | Regu | latory / | Agency | | | |
| Email To | : christina.mcclelland@ghd.com | Purchase Orde | er No. | | | | | Pac€ | a Quote | Referei | nce: | | | | | | | | | | | | | | |
| Phone: | Fax | Client Project I | D: 06 | 32175-05. | A-03 | PCC - | Kent | Pace | Projec | t Mana | ger: | Jenni | Gross | <u>د</u> | | | | | No. | Stai | te / Loc | ation | | | |
| Request | ed Due Date/TAT: 10 Day (Standard) | Container Ord | er Num | tber: | | | | Pace | e Profile | ŧ, | | | ľ | | à | of defair | 4 Analog | is Filta | MAN NO | | Kent/ M | IA | | | |
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| | | g Water DW | | ST | ART | END | | | - | | | | | | | | | | | | | | | | |
| | One Character per box. Waster | Water WW | (fielt) NP) | | | | | | | | | | | | | | | | | | | | | | |
| | Sample ids must be unique | d Sr | of seb. | | | | | Nou | | | | | | <u>ə</u> () | sA | | | | | | | | | | |
| | Wipe Air Other | AR AR OT | valid co BAAE | | | | .03110 | | | | | | | 1s | pən | | | | | | (N/A) | () | | | |
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| #W3. | | <u>,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,</u> | ATRIX C | | | <u> </u> | - 3 10 141 | | 5209 | EON | ®OH CI | 02826 | ther there | lenA 1080 | 109 | | | | | | enhise! | 20000 | | | |
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| 3 | MW-G | | 5 | | 2000 | | | - | | | * | - | | <u>` </u> | < > | | | + | 1 | + | Τ | | | | |
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| | ADDITIONAL COMMENTS | REL | INGUL | SHED BY | BEFILIAT | ION | DATE | | TIME | | | ACCEP | TED B' | Y LAFF | ILIATIC | NC | | DATE | | TIME | | SAME | LE CONDI | SNOIL | |
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| | | | | | PRIF | VT Name of : | SAMPLE | لہ ظ | EE | Supe | ß | C. | | | | | | | | |) ui d | bəvi | S Kpc | ەر (۲/ | |
| | | | | | SIG | VATURE of: | SAMPLE | .R: | Ŵ | | | Λ | Ì | \ | DAT | E Signe | 3d: 3 | 13/19 | _ | | MƏT | | () 90 | 000 | -A |
| | | | | | | 3 | - date | | Aller of | X | Provide Street | ALL DESCRIPTION OF THE PARTY OF | | | · | | + | | | | · | | | | |

Connector

| Client: | 640 | | Si | te: | PC | Σĸ | ENT | | 12 | 15 | ZNI | <u> </u> | έh | <u>l.</u> | | Date: 3/ 13/ 19 |
|---------|---------|---|--------------------|---------------------|--------------|--------------------------|--------------------------|------------------------|-------------------------|---------------|------------------|-------------|-------------|--------------------------|--|---|
| Job # : | 190313- | LBI | | ··· | | Tec | hnic | ian: | | L.B | URE | 3 | | | | Page of |
| | | | | | | Ch | eck i | ndica | tes de | eficier | ncy | | | | | |
| We | ell ID | Well Inspected - No Corrective Action Required | Cap non-functional | Lock non-functional | Lock missing | Bolts míssing (list qty) | Tabs stripped (list qty) | Tabs broken (list qty) | Annular seal incomplete | Apron damaged | Rim / Lid broken | Trip Hazard | Below Grade | Other (explain in notes) | Well Not Inspected (explain in notes) | Notes (list if cap or lick replaced, if there are access issues associated with repairs, if traffic control is required, if stand pipe damaged, or any specific details not covered by checklist) |
| MW-1 | | Х | | | | | | | | | | | | | | |
| MW-3 | Ŕ | X | | | | | | | | | | | | | | |
| MW-G | ò | | | | | | | 1/2 | | | | | | ¥ | | LED DOB NOT MATCH BOX |
| MW-7 | | x | | | | | | | | | | | | | | , |
| MW-C | 1 | X | | | | | | | | | | | | | | |
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WELLHEAD INSPECTION FORM

NOTES:

TEST EQUIPMENT CALIBRATION LOG

| PROJECT NAI | NE PCC K | ENT | | PROJECT NUN | 190312- | 181 | |
|-----------------------|---------------------|----------------------|----------------------|----------------------|----------------------------------|-------|------------|
| EQUIPMENT NAME | EQUIPMENT NUMBER | DATE/TIME OF TEST | STANDARDS USED | EQUIPMENT READING | CALIBRATED TO: OR WITHIN 10%: | TEMP. | INITIALS |
| Nr <u>r</u> PeoRus | SEA | 3/13/19 Ock5 | PH 440 0.5 0.0 | 4.09 1 | | 10.8 | 877 |
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Appendix D Laboratory Analytical Reports



Pace Analytical Services, LLC 1700 Elm Street - Suite 200 Minneapolis, MN 55414 (612)607-1700

March 22, 2019

Christina McClelland GHD Services, Inc. 20818 44th Ave W Suite 190 Lynnwood, WA 98036

RE: Project: 070496.17 Renton GW Pace Project No.: 10467183

Dear Christina McClelland:

Enclosed are the analytical results for sample(s) received by the laboratory on March 16, 2019. The results relate only to the samples included in this report. Results reported herein conform to the most current, applicable TNI/NELAC standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

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

Sincerely,

ENNI GROSS

Jennifer Gross jennifer.gross@pacelabs.com (206)957-2426 Project Manager

Enclosures

cc: Thuan Bui, GHD Jeffrey Cloud, GHD Services Inc. Eric Maise, GHD Services Inc.





Pace Analytical Services, LLC 1700 Elm Street - Suite 200 Minneapolis, MN 55414 (612)607-1700

CERTIFICATIONS

Project: 070496.17 Renton GW Pace Project No.: 10467183

Minnesota Certification IDs

1700 Elm Street SE, Minneapolis, MN 55414-2485 A2LA Certification #: 2926.01 Alabama Certification #: 40770 Alaska Contaminated Sites Certification #: 17-009 Alaska DW Certification #: MN00064 Arizona Certification #: AZ0014 Arkansas DW Certification #: MN00064 Arkansas WW Certification #: 88-0680 California Certification #: 2929 CNMI Saipan Certification #: MP0003 Colorado Certification #: MN00064 Connecticut Certification #: PH-0256 EPA Region 8+Wyoming DW Certification #: via MN 027-053-137 Florida Certification #: E87605 Georgia Certification #: 959 Guam EPA Certification #: MN00064 Hawaii Certification #: MN00064 Idaho Certification #: MN00064 Illinois Certification #: 200011 Indiana Certification #: C-MN-01 Iowa Certification #: 368 Kansas Certification #: E-10167 Kentucky DW Certification #: 90062 Kentucky WW Certification #: 90062 Louisiana DEQ Certification #: 03086 Louisiana DW Certification #: MN00064 Maine Certification #: MN00064 Marvland Certification #: 322 Massachusetts Certification #: M-MN064 Michigan Certification #: 9909 Minnesota Certification #: 027-053-137

Minnesota Dept of Ag Certifcation #: via MN 027-053-137 Minnesota Petrofund Certification #: 1240 Mississippi Certification #: MN00064 Missouri Certification #: 10100 Montana Certification #: CERT0092 Nebraska Certification #: NE-OS-18-06 Nevada Certification #: MN00064 New Hampshire Certification #: 2081 New Jersey Certification #: MN002 New York Certification #: 11647 North Carolina DW Certification #: 27700 North Carolina WW Certification #: 530 North Dakota Certification #: R-036 Ohio DW Certification #: 41244 Ohio VAP Certification #: CL101 Oklahoma Certification #: 9507 Oregon Primary Certification #: MN300001 Oregon Secondary Certification #: MN200001 Pennsylvania Certification #: 68-00563 Puerto Rico Certification #: MN00064 South Carolina Certification #:74003001 Tennessee Certification #: TN02818 Texas Certification #: T104704192 Utah Certification #: MN00064 Virginia Certification #: 460163 Washington Certification #: C486 West Virginia DEP Certification #: 382 West Virginia DW Certification #: 9952 C Wisconsin Certification #: 999407970 Wyoming UST Certification #: via A2LA 2926.01



Pace Analytical Services, LLC 1700 Elm Street - Suite 200 Minneapolis, MN 55414 (612)607-1700

SAMPLE SUMMARY

 Project:
 070496.17 Renton GW

 Pace Project No.:
 10467183

| Lab ID | Sample ID | Matrix | Date Collected | Date Received |
|-------------|--------------------|--------|----------------|----------------|
| 10467183001 | GW-031419-DT-MW-16 | Water | 03/14/19 08:30 | 03/16/19 09:00 |
| 10467183002 | GW-031419-DT-MW-13 | Water | 03/14/19 09:35 | 03/16/19 09:00 |
| 10467183003 | GW-031419-DT-MW-12 | Water | 03/14/19 10:30 | 03/16/19 09:00 |
| 10467183004 | GW-031419-DT-MW-11 | Water | 03/14/19 11:40 | 03/16/19 09:00 |
| 10467183005 | GW-031419-DT-D-IR | Water | 03/14/19 13:05 | 03/16/19 09:00 |
| 10467183006 | GW-031419-DT-MW-15 | Water | 03/14/19 14:15 | 03/16/19 09:00 |
| 10467183007 | GW-031419-JRL-MW1 | Water | 03/14/19 09:10 | 03/16/19 09:00 |
| 10467183008 | GW-031419-JRL-MW2 | Water | 03/14/19 09:50 | 03/16/19 09:00 |
| 10467183009 | GW-031419-JRL-MW3 | Water | 03/14/19 10:40 | 03/16/19 09:00 |
| 10467183010 | GW-031419-JRL-MW4 | Water | 03/14/19 12:00 | 03/16/19 09:00 |
| 10467183011 | GW-031419-JRL-MW6 | Water | 03/14/19 12:45 | 03/16/19 09:00 |
| 10467183012 | GW-031419-JRL-MW10 | Water | 03/14/19 13:30 | 03/16/19 09:00 |
| 10467183013 | DUP-1 | Water | 03/14/19 00:00 | 03/16/19 09:00 |



SAMPLE ANALYTE COUNT

 Project:
 070496.17 Renton GW

 Pace Project No.:
 10467183

| Lab ID | Sample ID | Method | Analysts | Analytes Reported | Laboratory |
|-------------|--------------------|-----------|----------|----------------------|------------|
| 10467183001 | | NWTPH-Dx | JVM | 4 | PASI-M |
| | | NWTPH-Gx | AMC | 2 | PASI-M |
| | | EPA 8260B | DS2 | 7 | PASI-M |
| 10467183002 | GW-031419-DT-MW-13 | NWTPH-Dx | J∨M | 4 | PASI-M |
| | | NWTPH-Gx | AMC | 2 | PASI-M |
| | | EPA 8260B | DS2 | 7 | PASI-M |
| 10467183003 | GW-031419-DT-MW-12 | NWTPH-Dx | J∨M | 4 | PASI-M |
| | | NWTPH-Gx | AMC | 2 | PASI-M |
| | | EPA 8260B | DS2 | 7 | PASI-M |
| 10467183004 | GW-031419-DT-MW-11 | NWTPH-Dx | JVM | 4 | PASI-M |
| | | NWTPH-Gx | AMC | 2 | PASI-M |
| | | EPA 8260B | DS2 | 7 | PASI-M |
| 10467183005 | GW-031419-DT-D-IR | NWTPH-Dx | JVM | 4 | PASI-M |
| | | NWTPH-Gx | AMC | 2 | PASI-M |
| | | EPA 8260B | DS2 | 7 | PASI-M |
| 10467183006 | GW-031419-DT-MW-15 | NWTPH-Dx | J∨M | 4 | PASI-M |
| | | NWTPH-Gx | AMC | 2 | PASI-M |
| | | EPA 8260B | DS2 | 7 | PASI-M |
| 10467183007 | GW-031419-JRL-MW1 | NWTPH-Dx | J∨M | 4 | PASI-M |
| | | NWTPH-Gx | AMC | 2 | PASI-M |
| | | EPA 8260B | DS2 | 7 | PASI-M |
| 10467183008 | GW-031419-JRL-MW2 | NWTPH-Dx | JVM | 4 | PASI-M |
| | | NWTPH-Gx | AMC | 2 | PASI-M |
| | | EPA 8260B | DS2 | 7 | PASI-M |
| 10467183009 | GW-031419-JRL-MW3 | NWTPH-Dx | JVM | 4 | PASI-M |
| | | NWTPH-Gx | AMC | 2 | PASI-M |
| | | EPA 8260B | DS2 | 7 | PASI-M |
| 10467183010 | GW-031419-JRL-MW4 | NWTPH-Dx | JVM | 4 | PASI-M |
| | | NWTPH-Gx | AMC | 2 | PASI-M |
| | | EPA 8260B | DS2 | 7 | PASI-M |
| 10467183011 | GW-031419-JRL-MW6 | NWTPH-Dx | JVM | 4 | PASI-M |
| | | NWTPH-Gx | AMC | 2 | PASI-M |
| | | EPA 8260B | DS2 | 7 | PASI-M |
| 10467183012 | GW-031419-JRL-MW10 | NWTPH-Dx | JVM | 4 | PASI-M |
| | | NWTPH-Gx | AMC | 2 | PASI-M |
| | | EPA 8260B | DS2 | 7 | PASI-M |
| 10467183013 | DUP-1 | NWTPH-Dx | J∨M | 4 | PASI-M |



Laboratory PASI-M

PASI-M

7

DS2

SAMPLE ANALYTE COUNT

EPA 8260B

| | | NWTPH-Gx | AMC | 2 |
|-------------------|---------------------|----------|----------|----------------------|
| Lab ID | Sample ID | Method | Analysts | Analytes Reported |
| Pace Project No.: | 10467183 | | | |
| Project: | 070496.17 Renton GW | | | |



Project: 070496.17 Renton GW

Pace Project No.: 10467183

| Sample: GW-031419-DT-MW-16 | Lab ID: 104 | 67183001 | Collected: 03/14/1 | 9 08:3 | 0 Received: 03 | 8/16/19 09:00 N | latrix: Water | |
|---|-----------------|-------------|---------------------|--------|----------------|-----------------|---------------|------|
| Parameters | Results | Units | Report Limit | DF | Prepared | Analyzed | CAS No. | Qual |
| NWTPH-Dx GCS Silica Gel LV | Analytical Meth | nod: NWTP | H-Dx Preparation Me | ethod: | EPA Mod. 3510C | | | |
| Diesel Fuel Range SG | ND | mg/L | 0.43 | 1 | 03/19/19 08:47 | 03/20/19 16:43 | 68334-30-5 | |
| Motor Oil Range SG <i>Surrogates</i> | ND | mg/L | 0.43 | 1 | 03/19/19 08:47 | 03/20/19 16:43 | 64742-65-0 | |
| o-Terphenyl (S) | 89 | %. | 50-150 | 1 | 03/19/19 08:47 | 03/20/19 16:43 | 84-15-1 | |
| n-Triacontane (S) | 89 | %. | 50-150 | 1 | 03/19/19 08:47 | 03/20/19 16:43 | 638-68-6 | |
| NWTPH-Gx GCV | Analytical Meth | nod: NWTP | H-Gx | | | | | |
| TPH as Gas <i>Surrogates</i> | ND | ug/L | 100 | 1 | | 03/20/19 18:47 | | |
| a,a,a-Trifluorotoluene (S) | 86 | %. | 50-150 | 1 | | 03/20/19 18:47 | 98-08-8 | |
| 8260B MSV UST | Analytical Meth | nod: EPA 82 | 260B | | | | | |
| Benzene | ND | ug/L | 1.0 | 1 | | 03/20/19 21:59 | 71-43-2 | |
| Ethylbenzene | ND | ug/L | 1.0 | 1 | | 03/20/19 21:59 | 100-41-4 | |
| Toluene | ND | ug/L | 1.0 | 1 | | 03/20/19 21:59 | 108-88-3 | |
| Xylene (Total) | ND | ug/L | 3.0 | 1 | | 03/20/19 21:59 | 1330-20-7 | |
| Surrogates | | - | | | | | | |
| 1,2-Dichloroethane-d4 (S) | 100 | %. | 75-125 | 1 | | 03/20/19 21:59 | 17060-07-0 | |
| Toluene-d8 (S) | 99 | %. | 75-125 | 1 | | 03/20/19 21:59 | 2037-26-5 | |
| 4-Bromofluorobenzene (S) | 103 | %. | 75-125 | 1 | | 03/20/19 21:59 | 460-00-4 | |



Project: 070496.17 Renton GW

Pace Project No.: 10467183

| Sample: GW-031419-DT-MW-13 | Lab ID: 104 | 67183002 | Collected: 03/14/1 | 9 09:3 | 5 Received: 03 | /16/19 09:00 N | latrix: Water | |
|---|-----------------|-------------|---------------------|--------|----------------|----------------|---------------|------|
| Parameters | Results | Units | Report Limit | DF | Prepared | Analyzed | CAS No. | Qual |
| NWTPH-Dx GCS Silica Gel LV | Analytical Meth | nod: NWTP | H-Dx Preparation Me | ethod: | EPA Mod. 3510C | | | |
| Diesel Fuel Range SG | ND | mg/L | 0.40 | 1 | 03/19/19 08:47 | 03/20/19 17:05 | 68334-30-5 | |
| Motor Oil Range SG <i>Surrogates</i> | ND | mg/L | 0.40 | 1 | 03/19/19 08:47 | 03/20/19 17:05 | 64742-65-0 | |
| o-Terphenyl (S) | 87 | %. | 50-150 | 1 | 03/19/19 08:47 | 03/20/19 17:05 | 84-15-1 | |
| n-Triacontane (S) | 90 | %. | 50-150 | 1 | 03/19/19 08:47 | 03/20/19 17:05 | 638-68-6 | |
| NWTPH-Gx GCV | Analytical Meth | nod: NWTP | H-Gx | | | | | |
| TPH as Gas Surrogates | ND | ug/L | 100 | 1 | | 03/20/19 19:04 | | |
| a,a,a-Trifluorotoluene (S) | 85 | %. | 50-150 | 1 | | 03/20/19 19:04 | 98-08-8 | |
| 8260B MSV UST | Analytical Meth | nod: EPA 82 | 260B | | | | | |
| Benzene | ND | ug/L | 1.0 | 1 | | 03/20/19 22:16 | 71-43-2 | |
| Ethylbenzene | ND | ug/L | 1.0 | 1 | | 03/20/19 22:16 | 100-41-4 | |
| Toluene | ND | ug/L | 1.0 | 1 | | 03/20/19 22:16 | 108-88-3 | |
| Xylene (Total) | ND | ug/L | 3.0 | 1 | | 03/20/19 22:16 | 1330-20-7 | |
| Surrogates | | - | | | | | | |
| 1,2-Dichloroethane-d4 (S) | 99 | %. | 75-125 | 1 | | 03/20/19 22:16 | 17060-07-0 | |
| Toluene-d8 (S) | 98 | %. | 75-125 | 1 | | 03/20/19 22:16 | 2037-26-5 | |
| 4-Bromofluorobenzene (S) | 101 | %. | 75-125 | 1 | | 03/20/19 22:16 | 460-00-4 | |



Project: 070496.17 Renton GW

Pace Project No.: 10467183

| Sample: GW-031419-DT-MW-12 | Lab ID: 104 | 67183003 | Collected: 03/14/1 | 9 10:3 | 0 Received: 03 | /16/19 09:00 N | latrix: Water | |
|----------------------------------|-----------------|-------------|---------------------|--------|----------------|----------------|---------------|------|
| Parameters | Results | Units | Report Limit | DF | Prepared | Analyzed | CAS No. | Qual |
| NWTPH-Dx GCS Silica Gel LV | Analytical Meth | nod: NWTPH | H-Dx Preparation Me | thod: | EPA Mod. 3510C | | | |
| Diesel Fuel Range SG | ND | mg/L | 0.43 | 1 | 03/19/19 08:47 | 03/20/19 17:16 | 68334-30-5 | |
| Motor Oil Range SG Surrogates | ND | mg/L | 0.43 | 1 | 03/19/19 08:47 | 03/20/19 17:16 | 64742-65-0 | |
| o-Terphenyl (S) | 86 | %. | 50-150 | 1 | 03/19/19 08:47 | 03/20/19 17:16 | 84-15-1 | |
| n-Triacontane (S) | 82 | %. | 50-150 | 1 | 03/19/19 08:47 | 03/20/19 17:16 | 638-68-6 | |
| NWTPH-Gx GCV | Analytical Meth | nod: NWTPH | H-Gx | | | | | |
| TPH as Gas Surrogates | ND | ug/L | 100 | 1 | | 03/20/19 19:21 | | |
| a,a,a-Trifluorotoluene (S) | 85 | %. | 50-150 | 1 | | 03/20/19 19:21 | 98-08-8 | |
| 8260B MSV UST | Analytical Meth | nod: EPA 82 | 60B | | | | | |
| Benzene | ND | ug/L | 1.0 | 1 | | 03/20/19 22:33 | 71-43-2 | |
| Ethylbenzene | ND | ug/L | 1.0 | 1 | | 03/20/19 22:33 | 100-41-4 | |
| Toluene | ND | ug/L | 1.0 | 1 | | 03/20/19 22:33 | 108-88-3 | |
| Xylene (Total) | ND | ug/L | 3.0 | 1 | | 03/20/19 22:33 | 1330-20-7 | |
| Surrogates | | - | | | | | | |
| 1,2-Dichloroethane-d4 (S) | 100 | %. | 75-125 | 1 | | 03/20/19 22:33 | 17060-07-0 | |
| Toluene-d8 (S) | 99 | %. | 75-125 | 1 | | 03/20/19 22:33 | 2037-26-5 | |
| 4-Bromofluorobenzene (S) | 100 | %. | 75-125 | 1 | | 03/20/19 22:33 | 460-00-4 | |



Project: 070496.17 Renton GW

Pace Project No.: 10467183

| Sample: GW-031419-DT-MW-11 | Lab ID: 104 | 67183004 | Collected: 03/14/1 | 9 11:40 | 0 Received: 03 | 8/16/19 09:00 N | latrix: Water | |
|---|-----------------|-------------|---------------------|----------|----------------|-----------------|---------------|------|
| Parameters | Results | Units | Report Limit | DF | Prepared | Analyzed | CAS No. | Qual |
| NWTPH-Dx GCS Silica Gel LV | Analytical Meth | nod: NWTP | H-Dx Preparation Me | ethod: I | EPA Mod. 3510C | | | |
| Diesel Fuel Range SG | ND | mg/L | 0.40 | 1 | 03/19/19 08:47 | 03/20/19 17:27 | 68334-30-5 | |
| Motor Oil Range SG <i>Surrogates</i> | ND | mg/L | 0.40 | 1 | 03/19/19 08:47 | 03/20/19 17:27 | 64742-65-0 | |
| o-Terphenyl (S) | 89 | %. | 50-150 | 1 | 03/19/19 08:47 | 03/20/19 17:27 | 84-15-1 | |
| n-Triacontane (S) | 91 | %. | 50-150 | 1 | 03/19/19 08:47 | 03/20/19 17:27 | 638-68-6 | |
| NWTPH-Gx GCV | Analytical Meth | nod: NWTP | H-Gx | | | | | |
| TPH as Gas <i>Surrogates</i> | ND | ug/L | 100 | 1 | | 03/20/19 19:38 | | G- |
| a,a,a-Trifluorotoluene (S) | 85 | %. | 50-150 | 1 | | 03/20/19 19:38 | 98-08-8 | |
| 8260B MSV UST | Analytical Meth | nod: EPA 82 | 260B | | | | | |
| Benzene | ND | ug/L | 1.0 | 1 | | 03/20/19 22:50 | 71-43-2 | |
| Ethylbenzene | ND | ug/L | 1.0 | 1 | | 03/20/19 22:50 | 100-41-4 | |
| Toluene | ND | ug/L | 1.0 | 1 | | 03/20/19 22:50 | 108-88-3 | |
| Xylene (Total) | ND | ug/L | 3.0 | 1 | | 03/20/19 22:50 | 1330-20-7 | |
| Surrogates | | | | | | | | |
| 1,2-Dichloroethane-d4 (S) | 101 | %. | 75-125 | 1 | | 03/20/19 22:50 | 17060-07-0 | |
| Toluene-d8 (S) | 97 | %. | 75-125 | 1 | | 03/20/19 22:50 | 2037-26-5 | |
| 4-Bromofluorobenzene (S) | 102 | %. | 75-125 | 1 | | 03/20/19 22:50 | 460-00-4 | |



Project: 070496.17 Renton GW

Pace Project No.: 10467183

| Sample: GW-031419-DT-D-IR | Lab ID: 104 | 67183005 | Collected: 03/14/1 | 9 13:0 | 5 Received: 03 | 8/16/19 09:00 N | latrix: Water | |
|---|-----------------|-------------|---------------------|--------|----------------|-----------------|---------------|------|
| Parameters | Results | Units | Report Limit | DF | Prepared | Analyzed | CAS No. | Qual |
| NWTPH-Dx GCS Silica Gel LV | Analytical Meth | nod: NWTP | H-Dx Preparation Me | ethod: | EPA Mod. 3510C | | | |
| Diesel Fuel Range SG | ND | mg/L | 0.43 | 1 | 03/19/19 08:47 | 03/20/19 17:37 | 68334-30-5 | |
| Motor Oil Range SG <i>Surrogates</i> | ND | mg/L | 0.43 | 1 | 03/19/19 08:47 | 03/20/19 17:37 | 64742-65-0 | |
| o-Terphenyl (S) | 85 | %. | 50-150 | 1 | 03/19/19 08:47 | 03/20/19 17:37 | 84-15-1 | |
| n-Triacontane (S) | 88 | %. | 50-150 | 1 | 03/19/19 08:47 | 03/20/19 17:37 | 638-68-6 | |
| NWTPH-Gx GCV | Analytical Meth | nod: NWTP | H-Gx | | | | | |
| TPH as Gas <i>Surrogates</i> | 778 | ug/L | 100 | 1 | | 03/20/19 19:54 | | G- |
| a,a,a-Trifluorotoluene (S) | 85 | %. | 50-150 | 1 | | 03/20/19 19:54 | 98-08-8 | |
| 8260B MSV UST | Analytical Meth | nod: EPA 82 | 260B | | | | | |
| Benzene | ND | ug/L | 1.0 | 1 | | 03/20/19 23:07 | 71-43-2 | |
| Ethylbenzene | ND | ug/L | 1.0 | 1 | | 03/20/19 23:07 | 100-41-4 | |
| Toluene | ND | ug/L | 1.0 | 1 | | 03/20/19 23:07 | 108-88-3 | |
| Xylene (Total) | ND | ug/L | 3.0 | 1 | | 03/20/19 23:07 | 1330-20-7 | |
| Surrogates | | - | | | | | | |
| 1,2-Dichloroethane-d4 (S) | 99 | %. | 75-125 | 1 | | 03/20/19 23:07 | 17060-07-0 | |
| Toluene-d8 (S) | 99 | %. | 75-125 | 1 | | 03/20/19 23:07 | 2037-26-5 | |
| 4-Bromofluorobenzene (S) | 100 | %. | 75-125 | 1 | | 03/20/19 23:07 | 460-00-4 | |



Project: 070496.17 Renton GW

Pace Project No.: 10467183

| Sample: GW-031419-DT-MW-15 | Lab ID: 104 | 67183006 | Collected: 03/14/1 | 9 14:1 | 5 Received: 03 | /16/19 09:00 N | latrix: Water | |
|---|----------------|-------------|---------------------|----------|----------------|----------------|---------------|------|
| Parameters | Results | Units | Report Limit | DF | Prepared | Analyzed | CAS No. | Qual |
| NWTPH-Dx GCS Silica Gel LV | Analytical Met | hod: NWTP | H-Dx Preparation Me | ethod: I | EPA Mod. 3510C | | | |
| Diesel Fuel Range SG | ND | mg/L | 0.40 | 1 | 03/19/19 08:47 | 03/20/19 17:48 | 68334-30-5 | |
| Motor Oil Range SG <i>Surrogates</i> | ND | mg/L | 0.40 | 1 | 03/19/19 08:47 | 03/20/19 17:48 | 64742-65-0 | |
| o-Terphenyl (S) | 84 | %. | 50-150 | 1 | 03/19/19 08:47 | 03/20/19 17:48 | 84-15-1 | |
| n-Triacontane (S) | 82 | %. | 50-150 | 1 | 03/19/19 08:47 | 03/20/19 17:48 | 638-68-6 | |
| NWTPH-Gx GCV | Analytical Met | hod: NWTP | H-Gx | | | | | |
| TPH as Gas <i>Surrogates</i> | 332 | ug/L | 100 | 1 | | 03/20/19 20:45 | | G- |
| a,a,a-Trifluorotoluene (S) | 83 | %. | 50-150 | 1 | | 03/20/19 20:45 | 98-08-8 | |
| 8260B MSV UST | Analytical Met | hod: EPA 82 | 260B | | | | | |
| Benzene | 31.5 | ug/L | 1.0 | 1 | | 03/20/19 23:23 | 71-43-2 | |
| Ethylbenzene | 1.8 | ug/L | 1.0 | 1 | | 03/20/19 23:23 | 100-41-4 | |
| Toluene | ND | ug/L | 1.0 | 1 | | 03/20/19 23:23 | 108-88-3 | |
| Xylene (Total) | ND | ug/L | 3.0 | 1 | | 03/20/19 23:23 | 1330-20-7 | |
| Surrogates | | • | | | | | | |
| 1,2-Dichloroethane-d4 (S) | 100 | %. | 75-125 | 1 | | 03/20/19 23:23 | 17060-07-0 | |
| Toluene-d8 (S) | 99 | %. | 75-125 | 1 | | 03/20/19 23:23 | 2037-26-5 | |
| 4-Bromofluorobenzene (S) | 102 | %. | 75-125 | 1 | | 03/20/19 23:23 | 460-00-4 | |



Project: 070496.17 Renton GW

Pace Project No.: 10467183

| Sample: GW-031419-JRL-MW1 | Lab ID: 104 | 67183007 | Collected: 03/14/1 | 9 09:1 | 0 Received: 03 | /16/19 09:00 N | latrix: Water | |
|---|-----------------|-------------|---------------------|--------|----------------|----------------|---------------|------|
| Parameters | Results | Units | Report Limit | DF | Prepared | Analyzed | CAS No. | Qual |
| NWTPH-Dx GCS Silica Gel LV | Analytical Meth | nod: NWTP | H-Dx Preparation Me | ethod: | EPA Mod. 3510C | | | |
| Diesel Fuel Range SG | ND | mg/L | 0.38 | 1 | 03/19/19 08:47 | 03/20/19 17:59 | 68334-30-5 | |
| Motor Oil Range SG <i>Surrogates</i> | ND | mg/L | 0.38 | 1 | 03/19/19 08:47 | 03/20/19 17:59 | 64742-65-0 | |
| o-Terphenyl (S) | 78 | %. | 50-150 | 1 | 03/19/19 08:47 | 03/20/19 17:59 | 84-15-1 | |
| n-Triacontane (S) | 84 | %. | 50-150 | 1 | 03/19/19 08:47 | 03/20/19 17:59 | 638-68-6 | |
| NWTPH-Gx GCV | Analytical Meth | nod: NWTP | H-Gx | | | | | |
| TPH as Gas Surrogates | ND | ug/L | 100 | 1 | | 03/20/19 21:02 | | |
| a,a,a-Trifluorotoluene (S) | 82 | %. | 50-150 | 1 | | 03/20/19 21:02 | 98-08-8 | |
| 8260B MSV UST | Analytical Meth | nod: EPA 82 | 260B | | | | | |
| Benzene | ND | ug/L | 1.0 | 1 | | 03/20/19 23:40 | 71-43-2 | |
| Ethylbenzene | ND | ug/L | 1.0 | 1 | | 03/20/19 23:40 | 100-41-4 | |
| Toluene | ND | ug/L | 1.0 | 1 | | 03/20/19 23:40 | 108-88-3 | |
| Xylene (Total) | ND | ug/L | 3.0 | 1 | | 03/20/19 23:40 | 1330-20-7 | |
| Surrogates | | | | | | | | |
| 1,2-Dichloroethane-d4 (S) | 100 | %. | 75-125 | 1 | | 03/20/19 23:40 | 17060-07-0 | |
| Toluene-d8 (S) | 98 | %. | 75-125 | 1 | | 03/20/19 23:40 | 2037-26-5 | |
| 4-Bromofluorobenzene (S) | 101 | %. | 75-125 | 1 | | 03/20/19 23:40 | 460-00-4 | |


Project: 070496.17 Renton GW

Pace Project No.: 10467183

| Sample: GW-031419-JRL-MW2 | Lab ID: 104 | 67183008 | Collected: 03/14/1 | 9 09:5 | 0 Received: 03 | 8/16/19 09:00 N | Matrix: Water | | |
|-------------------------------------|-----------------|-------------|---------------------|----------|----------------|-----------------|---------------|------|--|
| Parameters | Results | Units | Report Limit | DF | Prepared | Analyzed | CAS No. | Qual | |
| NWTPH-Dx GCS Silica Gel LV | Analytical Meth | nod: NWTP | H-Dx Preparation Me | ethod: I | EPA Mod. 3510C | | | | |
| Diesel Fuel Range SG | ND | mg/L | 0.38 | 1 | 03/19/19 08:47 | 03/20/19 18:10 | 68334-30-5 | | |
| Motor Oil Range SG Surrogates | ND | mg/L | 0.38 | 1 | 03/19/19 08:47 | 03/20/19 18:10 | 64742-65-0 | | |
| o-Terphenyl (S) | 80 | %. | 50-150 | 1 | 03/19/19 08:47 | 03/20/19 18:10 | 84-15-1 | | |
| n-Triacontane (S) | 81 | %. | 50-150 | 1 | 03/19/19 08:47 | 03/20/19 18:10 | 638-68-6 | | |
| NWTPH-Gx GCV | Analytical Meth | nod: NWTP | H-Gx | | | | | | |
| TPH as Gas <i>Surrogates</i> | ND | ug/L | 100 | 1 | | 03/20/19 15:08 | | M1 | |
| a,a,a-Trifluorotoluene (S) | 82 | %. | 50-150 | 1 | | 03/20/19 15:08 | 98-08-8 | | |
| 8260B MSV UST | Analytical Meth | nod: EPA 82 | 260B | | | | | | |
| Benzene | ND | ug/L | 1.0 | 1 | | 03/20/19 23:57 | 71-43-2 | | |
| Ethylbenzene | ND | ug/L | 1.0 | 1 | | 03/20/19 23:57 | 100-41-4 | | |
| Toluene | ND | ug/L | 1.0 | 1 | | 03/20/19 23:57 | 108-88-3 | | |
| Xylene (Total) Surrogates | ND | ug/L | 3.0 | 1 | | 03/20/19 23:57 | 1330-20-7 | | |
| 1,2-Dichloroethane-d4 (S) | 101 | %. | 75-125 | 1 | | 03/20/19 23:57 | 17060-07-0 | | |
| Toluene-d8 (S) | 97 | %. | 75-125 | 1 | | 03/20/19 23:57 | 2037-26-5 | | |
| 4-Bromofluorobenzene (S) | 104 | %. | 75-125 | 1 | | 03/20/19 23:57 | 460-00-4 | | |



Project: 070496.17 Renton GW

Pace Project No.: 10467183

| Sample: GW-031419-JRL-MW3 | Lab ID: 104 | 67183009 | Collected: 03/14/1 | 9 10:4 | 0 Received: 03 | /16/19 09:00 N | latrix: Water | |
|----------------------------------|-----------------|-------------|---------------------|----------|----------------|----------------|---------------|------|
| Parameters | Results | Units | Report Limit | DF | Prepared | Analyzed | CAS No. | Qual |
| NWTPH-Dx GCS Silica Gel LV | Analytical Meth | nod: NWTP | H-Dx Preparation Me | ethod: I | EPA Mod. 3510C | | | |
| Diesel Fuel Range SG | ND | mg/L | 0.43 | 1 | 03/19/19 08:47 | 03/20/19 18:21 | 68334-30-5 | |
| Motor Oil Range SG Surrogates | ND | mg/L | 0.43 | 1 | 03/19/19 08:47 | 03/20/19 18:21 | 64742-65-0 | |
| o-Terphenyl (S) | 86 | %. | 50-150 | 1 | 03/19/19 08:47 | 03/20/19 18:21 | 84-15-1 | |
| n-Triacontane (S) | 89 | %. | 50-150 | 1 | 03/19/19 08:47 | 03/20/19 18:21 | 638-68-6 | |
| NWTPH-Gx GCV | Analytical Meth | nod: NWTP | H-Gx | | | | | |
| TPH as Gas Surrogates | ND | ug/L | 100 | 1 | | 03/20/19 21:18 | | |
| a,a,a-Trifluorotoluene (S) | 86 | %. | 50-150 | 1 | | 03/20/19 21:18 | 98-08-8 | |
| 8260B MSV UST | Analytical Meth | nod: EPA 82 | 260B | | | | | |
| Benzene | ND | ug/L | 1.0 | 1 | | 03/20/19 20:01 | 71-43-2 | |
| Ethylbenzene | ND | ug/L | 1.0 | 1 | | 03/20/19 20:01 | 100-41-4 | |
| Toluene | ND | ug/L | 1.0 | 1 | | 03/20/19 20:01 | 108-88-3 | |
| Xylene (Total) | ND | ug/L | 3.0 | 1 | | 03/20/19 20:01 | 1330-20-7 | |
| Surrogates | | • | | | | | | |
| 1,2-Dichloroethane-d4 (S) | 102 | %. | 75-125 | 1 | | 03/20/19 20:01 | 17060-07-0 | |
| Toluene-d8 (S) | 99 | %. | 75-125 | 1 | | 03/20/19 20:01 | 2037-26-5 | |
| 4-Bromofluorobenzene (S) | 101 | %. | 75-125 | 1 | | 03/20/19 20:01 | 460-00-4 | |



Project: 070496.17 Renton GW

Pace Project No.: 10467183

| Sample: GW-031419-JRL-MW4 | Lab ID: 104 | 67183010 | Collected: 03/14/1 | 9 12:0 | 0 Received: 03 | /16/19 09:00 N | latrix: Water | |
|---|-----------------|-------------|---------------------|--------|----------------|----------------|---------------|------|
| Parameters | Results | Units | Report Limit | DF | Prepared | Analyzed | CAS No. | Qual |
| NWTPH-Dx GCS Silica Gel LV | Analytical Meth | nod: NWTP | H-Dx Preparation Me | ethod: | EPA Mod. 3510C | | | |
| Diesel Fuel Range SG | ND | mg/L | 0.42 | 1 | 03/19/19 08:47 | 03/20/19 18:31 | 68334-30-5 | |
| Motor Oil Range SG <i>Surrogates</i> | ND | mg/L | 0.42 | 1 | 03/19/19 08:47 | 03/20/19 18:31 | 64742-65-0 | |
| o-Terphenyl (S) | 74 | %. | 50-150 | 1 | 03/19/19 08:47 | 03/20/19 18:31 | 84-15-1 | |
| n-Triacontane (S) | 83 | %. | 50-150 | 1 | 03/19/19 08:47 | 03/20/19 18:31 | 638-68-6 | |
| NWTPH-Gx GCV | Analytical Meth | nod: NWTP | H-Gx | | | | | |
| TPH as Gas Surrogates | ND | ug/L | 100 | 1 | | 03/20/19 21:35 | | |
| a,a,a-Trifluorotoluene (S) | 82 | %. | 50-150 | 1 | | 03/20/19 21:35 | 98-08-8 | |
| 8260B MSV UST | Analytical Meth | nod: EPA 82 | 260B | | | | | |
| Benzene | ND | ug/L | 1.0 | 1 | | 03/21/19 00:14 | 71-43-2 | |
| Ethylbenzene | ND | ug/L | 1.0 | 1 | | 03/21/19 00:14 | 100-41-4 | |
| Toluene | ND | ug/L | 1.0 | 1 | | 03/21/19 00:14 | 108-88-3 | |
| Xylene (Total) | ND | ug/L | 3.0 | 1 | | 03/21/19 00:14 | 1330-20-7 | |
| Surrogates | | | | | | | | |
| 1,2-Dichloroethane-d4 (S) | 99 | %. | 75-125 | 1 | | 03/21/19 00:14 | 17060-07-0 | |
| Toluene-d8 (S) | 100 | %. | 75-125 | 1 | | 03/21/19 00:14 | 2037-26-5 | |
| 4-Bromofluorobenzene (S) | 103 | %. | 75-125 | 1 | | 03/21/19 00:14 | 460-00-4 | |



Project: 070496.17 Renton GW

Pace Project No.: 10467183

| Sample: GW-031419-JRL-MW6 | Lab ID: 104 | 67183011 | Collected: 03/14/1 | 9 12:4 | 5 Received: 03 | 3/16/19 09:00 N | latrix: Water | |
|---|-----------------|-------------|---------------------|--------|----------------|-----------------|---------------|------|
| Parameters | Results | Units | Report Limit | DF | Prepared | Analyzed | CAS No. | Qual |
| NWTPH-Dx GCS Silica Gel LV | Analytical Meth | nod: NWTP | H-Dx Preparation Me | ethod: | EPA Mod. 3510C | | | |
| Diesel Fuel Range SG | ND | mg/L | 0.39 | 1 | 03/19/19 08:47 | 03/20/19 18:42 | 68334-30-5 | |
| Motor Oil Range SG <i>Surrogates</i> | ND | mg/L | 0.39 | 1 | 03/19/19 08:47 | 03/20/19 18:42 | 64742-65-0 | |
| o-Terphenyl (S) | 80 | %. | 50-150 | 1 | 03/19/19 08:47 | 03/20/19 18:42 | 84-15-1 | |
| n-Triacontane (S) | 81 | %. | 50-150 | 1 | 03/19/19 08:47 | 03/20/19 18:42 | 638-68-6 | |
| NWTPH-Gx GCV | Analytical Meth | nod: NWTP | H-Gx | | | | | |
| TPH as Gas <i>Surrogates</i> | ND | ug/L | 100 | 1 | | 03/20/19 21:52 | | G- |
| a,a,a-Trifluorotoluene (S) | 83 | %. | 50-150 | 1 | | 03/20/19 21:52 | 98-08-8 | |
| 8260B MSV UST | Analytical Meth | nod: EPA 82 | 260B | | | | | |
| Benzene | ND | ug/L | 1.0 | 1 | | 03/21/19 00:31 | 71-43-2 | |
| Ethylbenzene | ND | ug/L | 1.0 | 1 | | 03/21/19 00:31 | 100-41-4 | |
| Toluene | ND | ug/L | 1.0 | 1 | | 03/21/19 00:31 | 108-88-3 | |
| Xylene (Total) | ND | ug/L | 3.0 | 1 | | 03/21/19 00:31 | 1330-20-7 | |
| Surrogates | | - | | | | | | |
| 1,2-Dichloroethane-d4 (S) | 99 | %. | 75-125 | 1 | | 03/21/19 00:31 | 17060-07-0 | |
| Toluene-d8 (S) | 98 | %. | 75-125 | 1 | | 03/21/19 00:31 | 2037-26-5 | |
| 4-Bromofluorobenzene (S) | 102 | %. | 75-125 | 1 | | 03/21/19 00:31 | 460-00-4 | |



Project: 070496.17 Renton GW

Pace Project No.: 10467183

| Sample: GW-031419-JRL-MW10 | Lab ID: 104 | 67183012 | Collected: 03/14/1 | 9 13:3 | 0 Received: 03 | /16/19 09:00 N | latrix: Water | |
|---|-----------------|-------------|---------------------|--------|----------------|----------------|---------------|------|
| Parameters | Results | Units | Report Limit | DF | Prepared | Analyzed | CAS No. | Qual |
| NWTPH-Dx GCS Silica Gel LV | Analytical Meth | nod: NWTP | H-Dx Preparation Me | ethod: | EPA Mod. 3510C | | | |
| Diesel Fuel Range SG | ND | mg/L | 0.38 | 1 | 03/19/19 08:47 | 03/20/19 19:04 | 68334-30-5 | |
| Motor Oil Range SG <i>Surrogates</i> | ND | mg/L | 0.38 | 1 | 03/19/19 08:47 | 03/20/19 19:04 | 64742-65-0 | |
| o-Terphenyl (S) | 88 | %. | 50-150 | 1 | 03/19/19 08:47 | 03/20/19 19:04 | 84-15-1 | |
| n-Triacontane (S) | 85 | %. | 50-150 | 1 | 03/19/19 08:47 | 03/20/19 19:04 | 638-68-6 | |
| NWTPH-Gx GCV | Analytical Meth | nod: NWTP | H-Gx | | | | | |
| TPH as Gas Surrogates | ND | ug/L | 100 | 1 | | 03/20/19 18:13 | | |
| a,a,a-Trifluorotoluene (S) | 84 | %. | 50-150 | 1 | | 03/20/19 18:13 | 98-08-8 | |
| 8260B MSV UST | Analytical Meth | nod: EPA 82 | 260B | | | | | |
| Benzene | ND | ug/L | 1.0 | 1 | | 03/21/19 00:48 | 71-43-2 | |
| Ethylbenzene | ND | ug/L | 1.0 | 1 | | 03/21/19 00:48 | 100-41-4 | |
| Toluene | ND | ug/L | 1.0 | 1 | | 03/21/19 00:48 | 108-88-3 | |
| Xylene (Total) | ND | ug/L | 3.0 | 1 | | 03/21/19 00:48 | 1330-20-7 | |
| Surrogates | | - | | | | | | |
| 1,2-Dichloroethane-d4 (S) | 98 | %. | 75-125 | 1 | | 03/21/19 00:48 | 17060-07-0 | |
| Toluene-d8 (S) | 97 | %. | 75-125 | 1 | | 03/21/19 00:48 | 2037-26-5 | |
| 4-Bromofluorobenzene (S) | 102 | %. | 75-125 | 1 | | 03/21/19 00:48 | 460-00-4 | |



Project: 070496.17 Renton GW

Pace Project No.: 10467183

| Sample: DUP-1 | Lab ID: 104 | 67183013 | Collected: 03/14/1 | 9 00:00 | Received: 03 | /16/19 09:00 N | latrix: Water | |
|----------------------------------|-----------------|-------------|---------------------|---------|----------------|----------------|---------------|------|
| Parameters | Results | Units | Report Limit | DF | Prepared | Analyzed | CAS No. | Qual |
| NWTPH-Dx GCS Silica Gel LV | Analytical Meth | nod: NWTP | H-Dx Preparation Me | thod: E | PA Mod. 3510C | | | |
| Diesel Fuel Range SG | ND | mg/L | 0.39 | 1 | 03/19/19 08:47 | 03/20/19 19:15 | 68334-30-5 | |
| Motor Oil Range SG Surrogates | ND | mg/L | 0.39 | 1 | 03/19/19 08:47 | 03/20/19 19:15 | 64742-65-0 | |
| o-Terphenyl (S) | 93 | %. | 50-150 | 1 | 03/19/19 08:47 | 03/20/19 19:15 | 84-15-1 | |
| n-Triacontane (S) | 91 | %. | 50-150 | 1 | 03/19/19 08:47 | 03/20/19 19:15 | 638-68-6 | |
| NWTPH-Gx GCV | Analytical Meth | nod: NWTP | H-Gx | | | | | |
| TPH as Gas Surrogates | ND | ug/L | 100 | 1 | | 03/20/19 22:09 | | |
| a,a,a-Trifluorotoluene (S) | 90 | %. | 50-150 | 1 | | 03/20/19 22:09 | 98-08-8 | |
| 8260B MSV UST | Analytical Meth | nod: EPA 82 | 260B | | | | | |
| Benzene | ND | ug/L | 1.0 | 1 | | 03/21/19 01:05 | 71-43-2 | |
| Ethylbenzene | ND | ug/L | 1.0 | 1 | | 03/21/19 01:05 | 100-41-4 | |
| Toluene | ND | ug/L | 1.0 | 1 | | 03/21/19 01:05 | 108-88-3 | |
| Xylene (Total) | ND | ug/L | 3.0 | 1 | | 03/21/19 01:05 | 1330-20-7 | |
| Surrogates | | | | | | | | |
| 1,2-Dichloroethane-d4 (S) | 100 | %. | 75-125 | 1 | | 03/21/19 01:05 | 17060-07-0 | |
| Toluene-d8 (S) | 99 | %. | 75-125 | 1 | | 03/21/19 01:05 | 2037-26-5 | |
| 4-Bromofluorobenzene (S) | 101 | %. | 75-125 | 1 | | 03/21/19 01:05 | 460-00-4 | |



| Project: | 070496. | 17 Renton G | W | | | | | | | | | | | |
|-----------------------|---------|--------------------------|------------------------------------|-----------------------------------|-------------------------------|---|---------------------|----------------------|-----------------------|-------|--------|-------|-----|----------|
| Pace Project No.: | 1046718 | 33 | | | | | | | | | | | | |
| QC Batch: | 59476 | 4 | | Analys | is Method | : N | WTPH-G | x | | | | | | |
| QC Batch Method: | NWTP | H-Gx | | Analys | is Descrip | tion: N | WTPH-G | x Water | | | | | | |
| Associated Lab Sar | nples: | 1046718300 1046718300 | 1, 10467183002, 8, 10467183009, | 10467183 10467183 | 003, 1046 010, 1046 | 7183004, 10 7183011, 10 | 0467183 04671830 | 005, 104 012, 104 | 67183006, 67183013 | 1046 | 718300 | 7, | | |
| METHOD BLANK: | 3215313 | 3 | | Ν | Aatrix: Wa | ter | | | | | | | | |
| Associated Lab Sar | nples: | 1046718300 1046718300 | 1, 10467183002, 8, 10467183009, | , 10467183 , 10467183 Blank | 003, 1046 010, 1046 c R | 7183004, 10 7183011, 10 Reporting | 0467183 0467183 | 005, 104 012, 104 | 67183006, 67183013 | 1046 | 718300 | 7, | | |
| Paran | neter | | Units | Resul | t | Limit | Ana | lyzed | Quali | fiers | | | | |
| TPH as Gas | | | ug/L | | ND | 100 | 03/20/ | 19 14:34 | | | _ | | | |
| a,a,a-Trifluorotoluer | ne (S) | | %. | | 85 | 50-150 | 03/20/ | 19 14:34 | | | | | | |
| METHOD BLANK: | 3215314 | 1 | | N | /latrix: Wa | ter | | | | | | | | |
| Associated Lab Sar | nples: | 1046718300 1046718300 | 1, 10467183002, 8, 10467183009, | 10467183 10467183 | 003, 1046 010, 1046 | 7183004, 10 7183011, 10 | 0467183 0467183 | 005, 104 012, 104 | 67183006, 67183013 | 1046 | 718300 | 7, | | |
| Paran | notor | | Linite | Blank | κ R + | leporting | ٨٥٥ | lyzod | Quali | fiore | | | | |
| | netei | · | | Kesu | · | | Alla | | | liers | _ | | | |
| IPH as Gas | a (S) | | ug/L | | ND 85 | 100 50-150 | 03/20/ | 19 14:51 | | | | | | |
| a,a,a-millorotoluci | 10 (0) | | 70. | | 00 | 50 150 | 00/20/ | 10 14.01 | | | | | | |
| LABORATORY CO | NTROL S | AMPLE & LC | SD: 3215315 | | : | 3215316 | | | | | | | | |
| _ | | | | Spike | LCS | LCSD | LCS | LCSD | % Rec | _ | | Max | | |
| Paran | neter | | Units | Conc. | Result | Result | % Rec | % Rec | Limits | RF | PD | RPD | Qua | alifiers |
| TPH as Gas | | | ug/L | 1000 | 980 | 989 | 98 | 99 | 75-125 | | 1 | 20 | | |
| a,a,a-Irifluorotoluer | ne (S) | | %. | | | | 97 | 95 | 50-150 | | | | | |
| MATRIX SPIKE & M | ATRIX S | | CATE: 32154 | 53 | | 3215454 | | | | | | | | |
| | | | 10467192009 | MS Spiko | MSD Spiko | MS | MSD | N/S | 2 M | חי | % Poo | | Max | |
| Paramete | er | Units | Result | Conc. | Conc. | Result | Result | % R | ec % F | Rec | Limits | RPD | RPD | Qual |
| TPH as Gas | | ug/L | | 1000 | 1000 | 1140 | 143 | 80 | 109 | 139 | 75-12 | 25 23 | 30 | M1 |
| a,a,a-Trifluorotoluen | ne (S) | %. | | | | | | | 96 | 98 | 50-15 | 50 | | |
| SAMPLE DUPLICA | TE: 321 | 5452 | | | | | | | | | | | | |
| Doron | notor | | Linite | 10467076 Boout | 5007 + | Dup | DF | חי | Max | | Quali | fiore | | |
| | ileter | | | Nesul | · | 1.0001 | NF | | | | Quali | 1013 | | |
| IPH as Gas |) A (S) | | ug/L | | 445 88 | 464 20 | | 4 | | 30 (| -i | | | |
| a,a,a- 1111000000000 | 0(0) | | /0. | | 00 | 09 | | I | | | | | | |

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

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 Project:
 070496.17 Renton GW

 Pace Project No.:
 10467183

| SAMPLE DUPLICATE: 3215455 | | | | | | |
|----------------------------|-------|-------------|--------|-----|-----|------------|
| | | 10467183012 | Dup | | Max | |
| Parameter | Units | Result | Result | RPD | RPD | Qualifiers |
| TPH as Gas | ug/L | | ND | | 30 | |
| a,a,a-Trifluorotoluene (S) | %. | 84 | 85 | 0 | | |

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

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070496.17 Renton GW Project:

Pace Project No.: 10467183

QC Batch: 594825 Analysis Method: EPA 8260B QC Batch Method: EPA 8260B Analysis Description: 8260B MSV UST-WATER 10467183001, 10467183002, 10467183003, 10467183004, 10467183005, 10467183006, 10467183007, Associated Lab Samples: 10467183008, 10467183009, 10467183010, 10467183011, 10467183012, 10467183013

METHOD BLANK: 3215673

Matrix: Water 10467183001, 10467183002, 10467183003, 10467183004, 10467183005, 10467183006, 10467183007, Associated Lab Samples: 10467183008, 10467183009, 10467183010, 10467183011, 10467183012, 10467183013

| | | Blank | Reporting | | |
|---------------------------|-------|--------|-----------|----------------|------------|
| Parameter | Units | Result | Limit | Analyzed | Qualifiers |
| Benzene | ug/L | ND | 1.0 | 03/20/19 19:27 | |
| Ethylbenzene | ug/L | ND | 1.0 | 03/20/19 19:27 | |
| Toluene | ug/L | ND | 1.0 | 03/20/19 19:27 | |
| Xylene (Total) | ug/L | ND | 3.0 | 03/20/19 19:27 | |
| 1,2-Dichloroethane-d4 (S) | %. | 101 | 75-125 | 03/20/19 19:27 | |
| 4-Bromofluorobenzene (S) | %. | 102 | 75-125 | 03/20/19 19:27 | |
| Toluene-d8 (S) | %. | 99 | 75-125 | 03/20/19 19:27 | |

LABORATORY CONTROL SAMPLE: 3215674

| Parameter | Units | Spike Conc. | LCS Result | LCS % Rec | % Rec Limits | Qualifiers |
|---------------------------|-------|----------------|---------------|--------------|-----------------|------------|
| Benzene | ug/L | 20 | 18.8 | 94 | 75-125 | |
| Ethylbenzene | ug/L | 20 | 19.3 | 97 | 75-125 | |
| Toluene | ug/L | 20 | 19.5 | 97 | 75-125 | |
| Xylene (Total) | ug/L | 60 | 60.7 | 101 | 75-125 | |
| 1,2-Dichloroethane-d4 (S) | %. | | | 102 | 75-125 | |
| 4-Bromofluorobenzene (S) | %. | | | 100 | 75-125 | |
| Toluene-d8 (S) | %. | | | 101 | 75-125 | |

| MATRIX SPIKE & MATRIX SPI | KE DUPLI | CATE: 32157 | 07 | | 3215708 | | | | | | | |
|---------------------------|----------|-------------|-------|-------|---------|--------|-------|-------|--------|-----|-----|------|
| | | | MS | MSD | | | | | | | | |
| | | 10467183009 | Spike | Spike | MS | MSD | MS | MSD | % Rec | | Max | |
| Parameter | Units | Result | Conc. | Conc. | Result | Result | % Rec | % Rec | Limits | RPD | RPD | Qual |
| Benzene | ug/L | ND | 20 | 20 | 20.7 | 19.3 | 104 | 97 | 30-150 | 7 | 30 | |
| Ethylbenzene | ug/L | ND | 20 | 20 | 20.9 | 20.2 | 104 | 101 | 30-150 | 3 | 30 | |
| Toluene | ug/L | ND | 20 | 20 | 20.9 | 20.0 | 105 | 100 | 30-150 | 5 | 30 | |
| Xylene (Total) | ug/L | ND | 60 | 60 | 64.8 | 63.5 | 108 | 106 | 30-150 | 2 | 30 | |
| 1,2-Dichloroethane-d4 (S) | %. | | | | | | 99 | 97 | 75-125 | | | |
| 4-Bromofluorobenzene (S) | %. | | | | | | 100 | 100 | 75-125 | | | |
| Toluene-d8 (S) | %. | | | | | | 100 | 101 | 75-125 | | | |

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

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| QC Batch: 594411 QC Batch Method: EPA M Associated Lab Samples: METHOD BLANK: 3213639 Associated Lab Samples: | 9 od. 3510C 10467183001, 10467183002, | Analysis Me Analysis De | thod: | NV | VTPH-D | x | | | | | |
|---|--|--|--|--------------|---------------------|------------------------|-----------------------|--------|-------|------------|------------|
| QC Batch Method: EPA M Associated Lab Samples: METHOD BLANK: 3213639 Associated Lab Samples: | od. 3510C 10467183001, 10467183002, | Analysis De | | | | ~ | | | | | |
| Associated Lab Samples: METHOD BLANK: 3213639 Associated Lab Samples: | 10467183001, 10467183002, | | scription: | N۷ | VTPH-D | X GCS L | / SG | | | | |
| METHOD BLANK: 3213639 Associated Lab Samples: | 10467183008, 10467183009, | , 10467183003, ² , 10467183010, ² | 0467183004 0467183011, | , 10 , 10 | 4671830 4671830 | 005, 1046 012, 1046 | 67183006, 67183013 | 104671 | 8300 | 7, | |
| Associated Lab Samples |) | Matrix | Water | | | | | | | | |
| | 10467183001, 10467183002, 10467183008, 10467183009, | , 10467183003, 7 , 10467183010, 7 Blank | 0467183004 0467183011, Reporting | , 10 , 10 | 4671830 4671830 | 005, 1046 012, 1046 | 67183006, 67183013 | 104671 | 8300 | 7, | |
| Parameter | Units | Result | Limit | | Ana | lyzed | Qualif | ers | | | |
| Diesel Fuel Range SG | mg/L | ND | 0.4 | 40 | 03/20/ | 19 16:11 | | | | | |
| Motor Oil Range SG | mg/L | ND | 0.4 | 40 | 03/20/* | 19 16:11 | | | | | |
| n-Triacontane (S) | %. | 97 | 50-1 | 50 | 03/20/ | 19 16:11 | | | | | |
| o-Terphenyl (S) | %. | 91 | 50-1 | 50 | 03/20/ [,] | 19 16:11 | | | | | |
| LABORATORY CONTROL S | AMPLE & LCSD: 3213640 | | 3213641 | | | | | | | | |
| Parameter | Units | Spike LC Conc. Res | S LCSE sult Resul | D lt | LCS % Rec | LCSD % Rec | % Rec Limits | RPD |) | Max RPD | Qualifiers |
| Diesel Fuel Range SG | mg/L | 2 | 1.9 | 1.7 | 97 | 86 | 50-150 | | 13 | 20 | |
| Motor Oil Range SG | mg/L | 2 | 2.1 [·] | 1.8 | 103 | 91 | 50-150 | | 11 | 20 | |
| n-Triacontane (S) | %. | | | | 96 | 79 | 50-150 | | | | |
| o-Terphenyl (S) | %. | | | | 88 | 76 | 50-150 | | | | |
| SAMPLE DUPLICATE: 321 | 3642 | | | | | | | | | | |
| | | 10467183001 | Dup | | | | Max | | | | |
| Parameter | Units | Result | Result | | RP | 'D | RPD | | Quali | fiers | |
| Diesel Fuel Range SG | mg/L | ND | Ν | ١D | | | | 30 | | | |
| Motor Oil Range SG | mg/L | ND | N | ND | | | | 30 | | | |
| n-Triacontane (S) | %. | 89 | | 86 | | 1 | | | | | |
| o-terphenyl (S) | 70. | 09 | | 01 | | 7 | | | | | |
| SAMPLE DUPLICATE: 321 | 3643 | | | | | | | | | | |
| Parameter | Units | 10467183011 Result | Dup Result | | RP | D | Max RPD | | Quali | fiers | |
| Diesel Fuel Range SG | mg/L | ND | N | ND . | | | | 30 | | | |
| Motor Oil Range SG | mg/L | ND | Ν | ١D | | | | 30 | | | |
| n-Triacontane (S) | %. | 81 | : | 81 | | 3 | | | | | |
| o-Terphenyl (S) | %. | 80 | 1 | 84 | | 8 | | | | | |

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

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QUALIFIERS

Project: 070496.17 Renton GW

Pace Project No.: 10467183

DEFINITIONS

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

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

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

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

S - Surrogate

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

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

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

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

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

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

TNI - The NELAC Institute.

LABORATORIES

PASI-M Pace Analytical Services - Minneapolis

ANALYTE QUALIFIERS

- G- Early peaks present outside the GRO window.
- M1 Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.



METHOD CROSS REFERENCE TABLE

 Project:
 070496.17 Renton GW

 Pace Project No.:
 10467183

 Parameter
 Matrix
 Analytical Method
 Preparation Method

 8260B MSV UST
 Water
 SW-846 8260B/5030B
 N/A



QUALITY CONTROL DATA CROSS REFERENCE TABLE

| Project: | 070496.17 Renton GW |
|--------------------|---------------------|
| Pace Project No .: | 10467183 |

| Lab ID | Sample ID | QC Batch Method | QC Batch | Analytical Method | Analytical Batch |
|-------------|--------------------|-----------------|----------|-------------------|---------------------|
| 10467183001 | GW-031419-DT-MW-16 | EPA Mod. 3510C | 594419 | NWTPH-Dx | 594712 |
| 10467183002 | GW-031419-DT-MW-13 | EPA Mod. 3510C | 594419 | NWTPH-Dx | 594712 |
| 10467183003 | GW-031419-DT-MW-12 | EPA Mod. 3510C | 594419 | NWTPH-Dx | 594712 |
| 10467183004 | GW-031419-DT-MW-11 | EPA Mod. 3510C | 594419 | NWTPH-Dx | 594712 |
| 10467183005 | GW-031419-DT-D-IR | EPA Mod. 3510C | 594419 | NWTPH-Dx | 594712 |
| 10467183006 | GW-031419-DT-MW-15 | EPA Mod. 3510C | 594419 | NWTPH-Dx | 594712 |
| 10467183007 | GW-031419-JRL-MW1 | EPA Mod. 3510C | 594419 | NWTPH-Dx | 594712 |
| 10467183008 | GW-031419-JRL-MW2 | EPA Mod. 3510C | 594419 | NWTPH-Dx | 594712 |
| 10467183009 | GW-031419-JRL-MW3 | EPA Mod. 3510C | 594419 | NWTPH-Dx | 594712 |
| 10467183010 | GW-031419-JRL-MW4 | EPA Mod. 3510C | 594419 | NWTPH-Dx | 594712 |
| 10467183011 | GW-031419-JRL-MW6 | EPA Mod. 3510C | 594419 | NWTPH-Dx | 594712 |
| 10467183012 | GW-031419-JRL-MW10 | EPA Mod. 3510C | 594419 | NWTPH-Dx | 594712 |
| 10467183013 | DUP-1 | EPA Mod. 3510C | 594419 | NWTPH-Dx | 594712 |
| 10467183001 | GW-031419-DT-MW-16 | NWTPH-Gx | 594764 | | |
| 10467183002 | GW-031419-DT-MW-13 | NWTPH-Gx | 594764 | | |
| 10467183003 | GW-031419-DT-MW-12 | NWTPH-Gx | 594764 | | |
| 10467183004 | GW-031419-DT-MW-11 | NWTPH-Gx | 594764 | | |
| 10467183005 | GW-031419-DT-D-IR | NWTPH-Gx | 594764 | | |
| 10467183006 | GW-031419-DT-MW-15 | NWTPH-Gx | 594764 | | |
| 10467183007 | GW-031419-JRL-MW1 | NWTPH-Gx | 594764 | | |
| 10467183008 | GW-031419-JRL-MW2 | NWTPH-Gx | 594764 | | |
| 10467183009 | GW-031419-JRL-MW3 | NWTPH-Gx | 594764 | | |
| 10467183010 | GW-031419-JRL-MW4 | NWTPH-Gx | 594764 | | |
| 10467183011 | GW-031419-JRL-MW6 | NWTPH-Gx | 594764 | | |
| 10467183012 | GW-031419-JRL-MW10 | NWTPH-Gx | 594764 | | |
| 10467183013 | DUP-1 | NWTPH-Gx | 594764 | | |
| 10467183001 | GW-031419-DT-MW-16 | EPA 8260B | 594825 | | |
| 10467183002 | GW-031419-DT-MW-13 | EPA 8260B | 594825 | | |
| 10467183003 | GW-031419-DT-MW-12 | EPA 8260B | 594825 | | |
| 10467183004 | GW-031419-DT-MW-11 | EPA 8260B | 594825 | | |
| 10467183005 | GW-031419-DT-D-IR | EPA 8260B | 594825 | | |
| 10467183006 | GW-031419-DT-MW-15 | EPA 8260B | 594825 | | |
| 10467183007 | GW-031419-JRL-MW1 | EPA 8260B | 594825 | | |
| 10467183008 | GW-031419-JRL-MW2 | EPA 8260B | 594825 | | |
| 10467183009 | GW-031419-JRL-MW3 | EPA 8260B | 594825 | | |
| 10467183010 | GW-031419-JRL-MW4 | EPA 8260B | 594825 | | |
| 10467183011 | GW-031419-JRL-MW6 | EPA 8260B | 594825 | | |
| 10467183012 | GW-031419-JRL-MW10 | EPA 8260B | 594825 | | |
| 10467183013 | DUP-1 | EPA 8260B | 594825 | | |

| | 7 1 | | | | | CA I OTHER | | | | (N/ | () ənitolriC |) lsubise | 区 Pace Project No./ Lab I.D. | 5 | 43 8 8 | 00 4 | E S | 60 C | et o g | 005 | 010 | 110 | SAMPLE CONDITIONS | -1 (M/ 1 / | | 3: | ο in °C (V/V) (V/V) (V/V) (V/V) | məT Rece Ice Cu Sealed M M M M | F-ALL-Q-020rev.07, 15-May-2007 |
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| 183 | | | CHI ATONY AOT | NPDES T" CB | | | E LOCATION | lysis Filtered (Y/N) | | | | | | | | | | | | | | | DATE TIME | FR-U17W | 11/10/00 | | NUNCIO | 61/11 | |
| | Section C 10467183 | rivoice information: Attention: | Company Name: | Address: | Pace Quote Reference: | Page Project | Matinger: | Requested And | Preservatives | | 272 MMAT C 272 MMAT C 272 MMA 274 MMA 274 C 274 | Amples amples Horo Ho | | | | | | | | | | | DATE TIME ACCEPTED BY / AFFILIATION | 11411 102bi 11/11 | IS & 12 Handlace | ignáture. | SAMPLER: Dyn Jen Jor 17WAN | SAMPLER: DATE Signed 3 | Afran An Itemate wand and an and a |
| CHAIN The Chain-o | Section B Required Project Information: | Report To: | Copy To: | | Purchase Order No.: | Project Name: | Project Number: | | odes code bo left) COLLECTED | | 역 값 꽃 꽃 꽃 같 | MATRU MARUL SAMPLE DATE DATE DATE | ·16 6w 6 3/4/19 0830 | 13 11 1 0935 | 1030 | 12 1 140 | <u> </u> | GW 6 3/4/9 0910 | GW 6 3/14/19 0950 | 6416 3/14/19 [040 | AW G Shipper Dails | KIN 6 3/14/19 1330 | KELINGUISHED BY AFFILIATION | 12. No dear (6HD 3 | 121. 5 | SAMPLER NAME AND SI | PRINT Name of S | Pace's NET 30 day payment terms and agreeing to late charges of 1.5 | |
| Pace Analytical * | Section A Required Client Information: | Сотралу: СНD | Madress: 20238 44 th Ne W | ALTO CANWOOL, WA | Dhonoi 6 17 | - route; | Reguested Due Date/TAT: | | Required Client Information MATRIX / | Value | AZ 0-9 / -) Whe (A-Z 0-9 / -) Whe Air Sample IDs MUST BE UNIQUE Tissue Other | ITEM | 1 64.0314 19. 0T. ML | W · W | NW , Ju | | γ Υ 9 | 7 GW-031419-122-MW1 | · ENI-031419-121-MW2 | 10 GW-031419-194-194 | 11 EN 03 HIG-JEL - MW 6 | 12 EW-031419-JEL-MW O | | DX with silica (c) | | Pa | 5) ge 26 | o b the signing this form you are accepting the form you are accepting | |

Pace Analytical " www.paeelabs.com

CHAIN-OF-CUSTODY / Analytical Request Document The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

| Section A Recuired Clent Information: | Section B | Section C | Ē. | 3e: 2 of <i>V</i> |
|---|---|---|---------------------------------|---|
| Company // # A | | Invoice Information: | | し |
| GHU Support | Report 10: SEE SOU | Attention: | | トレ いじひ |
| Address: ZDB/B 44TH AVR W. | Copy To: | Company Name: | REGULATORY AGENC | |
| BUTE 190, LYNNWOOD, WA | | Address: | I NPDES F GROU | JND WATER T DRINKING WATER |
| Email To: | Purchase Order No.: | Pace Quote Reference: | T UST F RCRA | F OTHER |
| Phone: Fax: | Project Name: | Pace Project Manager: | Site Location | |
| Requested Due Date/TAT: | Project Number: | Pace Profile # | STATE: | |
| | | Re | quested Analysis Filtered (Y/N) | |
| Section D Matrix C Required Client Information | Codes Coope | | | |
| Drinking Wat Water Waste Mater Product Soll/Solid | | | | (N/A) |
| SAMPLE ID OI (A-Z, 0-9 / -) Air Sample IDS MUST BE UNIQUE Tissue Other | 의 값 꽃 좋 은 (CODE (s TYPE (G | D TA 9M9T 27200000000 | ר אין גנו אין | - Chlorine |
| #ITEM# | JI9MAR DAMAR DATE TIME DATE | HALLE AMARTE | (313) (313) | leubise Provincial Contraction |
| 1 DUP-1 | 57W 6 3/14/19 | N X S | | |
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| ADDITIONAL COMMENTS | RELINGUISHED BY AFFILIATION | DATE TIME ACCEPTED BY (AFFIL | LATION DATE TIME | SAMPLE CONDITIONS |
| DX WITH SILICH GRL | | 3/14/14 1990 Jeaned Plu | e 3/1/1900 | |
| | | | - | ~ |
| F | | | | |
| 2 Page | | ND SIGNATURE | | °C voler y voler |
| 27 27 | | ne of SAMPLER: | | ni qn bevið bevið hes lr V/V) eived bola bevið b |
| of 3 | SIGNATUR | RE of SAMPLER: (MM | E Signed (DD/YY): | Ten Teo Ice Ice Cl Cl Cl Cl Cl |
| L *Important Note: By signing this form you are accept | ting Pace's NET 30 day payment terms and agreeing to late charges | s of 1.5% per month for any invoices not paid within 30 days. | | F-ALL-Q-020rev.07, 15-May-2007 |

| Floor Apolitical [®] | Document Name: Sample Condition Upon Receipt Fo | Document Revised: 06Feb2019 Page 1 of 1 |
|---|---|---|
| Pace Analytical | Document No.: F-MN-L-213-rev.25 | Issuing Authority: Pace Minnesota Quality Office |
| Sample Condition Client Name: Upon Receipt GHD Courier: DFEd Ex | Project #: | WO#:10467183 PM: JMG Due Date: 03/29/19 CLIENT: GHD_WA |
| □Pace □Spee Tracking Number: <u> </u> | Dee Commercial See Exception | |
| Custody Seal on Cooler/Box Present? | No Seals Intact? | s 🔄 No Biological Tissue Frozen? 🗌 Yes 🗍 No 💭 📈 A |
| Packing Material: | ole Bags None Other: | Temp Blank? |
| Thermometer: 🗍 G87A9155100842 🖵 G87A | 9170600254 Type of Ice: | Blue None Dry Melted |
| Note: Each West Virginia Sample must have temp |) taken (no temp blanks) | |
| Temp should be above freezing to 6°C Cooler Tem | p Read w/temp blank: 1.7, 1. | C Average Corrected Temp See Exceptions (no temp blank only): |
| Correction Factor: <u>40.1</u> Cooler Temp Cor | rected w/temp blank : | °C |
| USDA Regulated Soil: (PN/A, water sample/Othe Did samples originate in a quarantine zone within the ID, LA. MS, NC, NM, NY, OK, OR, SC, TN, TX or VA (che If Yes to either question, fill o | r:) Date/I e United States: AL, AR, CA, FL, GA, Did s eck maps)? Yes No Haw ut a Regulated Soil Checklist (F-MN-Q-3 | Initials of Person Examining Contents: Image: Co |
| | | COMMENTS: |
| Chain of Custody Present and Filled Out? | Yes No 1. | · |
| Chain of Custody Relinquished? | | |
| Samples Arrived within Hold Time? | | |
| Short Hold Time Analysis (<72 hr)? | □Yes 2No 5. □F | ecal Coliform |
| Rush Turn Around Time Requested? | Yes "No 6. | |
| Sufficient Volume? | Yes No 7. | |
| Correct Containers Used? | 2 Ves No 8. | |
| -Pace Containers Used? | | |
| Containers Intact? | | |
| Field Filtered Volume Received for Dissolved Tests? Is sufficient information available to reconcile the sam to the COC? | Yes No N/A 10. is ples 11. If no Yes No | sediment visible in the dissolved container? Yes No , write ID/ Date/Time on Container Below: See Exception |
| Matrix: Water Soil Oil Other All containers needing acid/base preservation have be checked? | en 12. Sam | ple# |
| All containers needing preservation are found to be in compliance with EPA recommendation? | | NaOH HNO3 H2SO4 Zinc Acetate |
| (HNO ₃ , H ₂ SO ₄ , <2pH, NaOH >9 Sulfide, NaOH>12 Cyar Exceptions: (OA), Coliform, TOC/DOC Oil and Grease, (BRO)8015 (water) and Dioxin/PFAS | ide) 🛛 Yes 🗋 No 🗖 N/A Positive | for Res. Yes See Exception |
| Headspace in VOA Vials (greater than Small) | | See Exception |
| Trip Blank Present? Trip Blank Custody Seals Present? | $\square Yes \square No \square N/A = 14.$ $\square Yes \square No \square N/A = 14.$ $\square Yes \square No \square N/A = Pa$ | ce Trip Blank Lot # (if purchased): |
| CUENT NOTIFICATION/RESOLUTION | | Field Data Required? |
| Person Contacted: <u>Dave Trudeau</u> | Date/ | Time: 03/15/19 |
| Comments/Resolution: <u>Sent revise</u> | <u>d COC to include pro</u> | oject name. |
| Project Manager Review: | ENNI GROSS e samples, a copy of this form | Date: $03/18/19$ n will be sent to the North Carolina DEHNR Certification Office (i.e. out of |
| | | Labeled by: |

| Pace Analytical | Document I Headspace E | Name: xception | Docun | nent Revised: 17Dec Page 1 of 1 | 2018 |
|-------------------|----------------------------------|-------------------------------|-----------------|---|----------------------|
| | Document F-MN-C-276 | No.: -Rev.01 | Pacel | Issuing Authority: Minnesota Quality O | ffice |
| Sample ID | Headspace greater than 6mm | Headspace less than 6mm | No Headspace | Total Vials | Sediment Present? |
| MW-12 | 6 | 6 | O | 6 | N |
| MW-11 | 6 | 6 | 0 | 6 | N |
| D-IR |) | 5 | 0 | 6 | N |
| MW-15 | l | 5 | 6 | $\langle \varphi \rangle$ | N |
| GW-031419-JRL-MWI | 0 | 6 | 0 | 6 | N |
| n MW2 | \bigcirc | 5 | | 6 | N |
| 11 MWG | 0 | 6 | 0 | 6 | N |
| II MNIO | \bigcirc | 5 | Ì | 6 | N |
| | | | | | |
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| | Face Analytical www.pacetaks.com | | | | CHAI The Chair | N-OF-C | Sa E | | | Anal Int. All | lytic releva | nt field | s must | be com | DoCl oleted a | transfer the transfer to the t | ۲ ۳ | N T N | а С | 600 | Ved | -/GT/20 |
|----------|--|---------------------------|-------------------|--|-----------------------|------------------------------|----------------|----------------------|--------------------------|--------------------------|---------------------------|-----------------------|---------------------|-----------------------------|--|--|----------|-------|--------------------------|---------------------|------------------------------|---------------------|
| Secti | on A sed Client Information: B | Section B | iact Inf | ormation. | | | Se | ction C | | | | | | | | | | Page: | 1 | Ū | ų | 2 |
| Comp | any: GHD | Report To: | | | | | Att | orce into ention: | rmation | | | | | | | | | | N | 0 7 | in O | |
| Addre | 55: 20818 44 M NUE W C | Copy To: | | | | | <u>ರಿ</u> | npany h | ame: | | | | | | | GULAT | ORY A | ENCY | | | | |
| No. | C190. Lynwwood . WA | | | a de la constante de | | | Ad | fress: | | | | | | | | NPDE | L | GROUN | D WATE | Ľ | DRINKIN | G WATER |
| Email | To: | urchase Orde | er No.: | | | | Pac | e Quote | | | | | | | T | UST | L | RCRA | | . L_ | OTHER | |
| Phone | : Fax: | roject Name: | | RENTON | | | Pac | e Project | | | | | | | S | te Locat | lon | | Cisce. | | | |
| Requ | sted Due Date/TAT: | Project Numbe | i.e | 07049 | ۲. ۲. | 36 | Pac | e Profile | Ŧ | | | | | | | STA | ، ښ | | | | | |
| | | | | | - | | | | | | | | L L | senbe | ed An | alysis F | ltered (| (N/) | | | | |
| 4) (E | ection D Matrix Coc equired Client Information MATRIX / CC | des ODE | (Jan C | CO | TECTED | **** | | ******* | Pres | servati | ves | | * | | | | | | | | | |
| | Drinking Water Water Waste Water Product | 일순장교익 19902 billey gag | | COMPOSITE START | COMPO | ISITE RAB | | | | | | . | × 5 | × (| | | | | (N/J) | | | |
| # V | SAMPLE ID OII (A-Z, 0-9/ ,-) Air Sample IDS MUST BE UNIQUE Tissue Other | 94452 97445 | | | | | | рәлләзә. | اع ع | Н | ianol s2O ₃ | ، <u>ب</u> ر، . ال | 1261 SIGAL | LEX ILGH T | | | | | aninold Dial Chlorine | | | |
| иаті | | TAM | MAR | DATE TIME | DATE | TIME | -IMA2 | Unpr | ONH DS ^Z H | N ^g OI HCI | S ₂ 6И dt∋M | əqiO | <i>MN</i> | . I MM | | | | | Resid | Pace | Project N | o./ Lab I.D. |
| Ť | 2W.031419. DT. MW. | 5. | 2 7 | 3/14/19 083 | 0 | | 00 | - 0 | | | | | $ \ge $ | $\frac{\times}{\times}$ | | | | | | | | |
| 2 | WW - TO | 2 | | 093 | 5 | | Contraction of | | | | | | X | $\frac{\times}{\times}$ | | | | | | | | |
| n | W . Ta | | | | 0 | | | | | | | | \ge | | | | | | | | | |
| 4 | WW . Ha | | | | 0,0 | | _ | | | \rightarrow | _ | | <u> </u> | | | | <u>,</u> | | | | | |
| u u | | | olan que augeroid | 2 2 2 | av | | | | | | | | XD | $\stackrel{\times}{\times}$ | <u>. </u> | | | | · | | | |
| → ^ ^ | 1-031419-JEL-MW1 | 100 | - 0 N | 3/4/19 0910 | 1 | | | | _ | | | | $\overline{\nabla}$ | | | | | | | | | |
| 8 | 7W-031419-12L-MW2 | 10 | N 5 | 3/14/19 0955 | 0 | | | | | | | | | | | | | | | | | |
| 6 | 1W-031419-JRL - MW3 | 3 | S > | 3/14/19 104 | 0 | | | | _ | | | | \geq | X | | | | | | | | |
| 2 | W-031419-JRL-MWY | 5.6 | 20 | 11/1/1/200 | 2 | | | | | | | | \overline{X} | | | | | | | | | |
| 1 2 | W-214-16-16- MM 10 | | | 3/11/11/22 | 10 | | F | | | _ | | | 412 | | | | | | | | | |
| pisa. | ADDITIONAL COMMENTS | | ELINO | UISHED BY / AFFILL | ATION | DATE | | TIME | | | ACCEF | | Y / AF | | | DATI | | ME | | SAMPL | E CONDIT | SNO |
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F-ALL-Q-020rev.07, 15-May-2007

"Important Note: By signing this form you are accepting Pace's NET 30 day payment terms and agreeing to late charges of 1.5% per month for any invoices not paid within 30 days.

CHAIN-OF-CUSTODY / Analytical Request Document Revised received 03/15/19

| C. | Pace Analytical [®] www.pacelabs.com |
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| | |

CHAIN-OF-CUSTODY / Analytical Request Document The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Revised received 03/15/19

JMG

| Section A Remired Client Information: | | Section B Descriptional Informations | Section C | Page: 2 of 2 |
|--|---------|---|--------------------------|---|
| treden ca onone intronueron | | | invoice information: | |
| Company: | | Report To: SEE 550W | Attention: | Z13202Z |
| Address: 20818 44 | MAY W. | Copy To: | Company Name: | REGULATORY AGENCY |
| SWATE 190, L-INNW | AW GOO! | | Address: | F NPDES F GROUND WATER F DRINKING WATER |
| Email To: | | Purchase Order No.: | Pace Quote Reference: | LUST RCRA COTHER |
| Phone: | Fax: | Project Name: | Pace Project Manager: | Site Location |
| Requested Due Date/TAT: | | Project Number: | Pace Profile #: | STATE: |

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| Miles Miles <th< td=""><td># 씨크치</td><td>Sample IDs MUST BE UNIQUE (A.Z. 0-9 / .) Sample IDs MUST BE UNIQUE</td><td>Wile WC Air Air Ar Tissue TS Other OT</td><td></td><td>S) 39YT 3J9MAS</td><td>JATE TIME</td><td>DATE</td><td>HINDER CONTRACTOR</td><td># OF CONTAINER</td><td>HNO³ H⁵2O⁴</td><td>N^gOH HCI</td><td>Ma₂S₂O₃ Methanol</td><td>Other teeT sisvlsnA</td><td>KB HATWN</td><td>BTRX STRX</td><td></td><td></td><td></td><td></td><td>Residual Chlorine</td><td>ace Pro</td><td>lect No./</td><td>Lab I.D.</td><td></td></th<> | # 씨크치 | Sample IDs MUST BE UNIQUE (A.Z. 0-9 / .) Sample IDs MUST BE UNIQUE | Wile WC Air Air Ar Tissue TS Other OT | | S) 39YT 3J9MAS | JATE TIME | DATE | HINDER CONTRACTOR | # OF CONTAINER | HNO ³ H ⁵ 2O ⁴ | N ^g OH HCI | Ma ₂ S ₂ O ₃ Methanol | Other teeT sisvlsnA | KB HATWN | BTRX STRX | | | | | Residual Chlorine | ace Pro | lect No./ | Lab I.D. | |
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Pace Analytical Services, LLC 1700 Elm Street - Suite 200 Minneapolis, MN 55414 (612)607-1700

October 05, 2018

Christina McClelland GHD Services, Inc. 20818 44th Ave W Suite 190 Lynnwood, WA 98036

RE: Project: 062175-05A-03 PCC-Kent Pace Project No.: 10449537

Dear Christina McClelland:

Enclosed are the analytical results for sample(s) received by the laboratory on September 28, 2018. The results relate only to the samples included in this report. Results reported herein conform to the most current, applicable TNI/NELAC standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

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

Sincerely,

ENNI GROSS

Jennifer Gross jennifer.gross@pacelabs.com (206)957-2426 Project Manager

Enclosures

cc: Jeffrey Cloud, GHD Services Inc.





Pace Analytical Services, LLC 1700 Elm Street - Suite 200 Minneapolis, MN 55414 (612)607-1700

CERTIFICATIONS

Project: 062175-05A-03 PCC-Kent Pace Project No.: 10449537

Minnesota Certification IDs

1700 Elm Street SE, Minneapolis, MN 55414-2485 A2LA Certification #: 2926.01 Alabama Certification #: 40770 Alaska Contaminated Sites Certification #: 17-009 Alaska DW Certification #: MN00064 Arizona Certification #: AZ0014 Arkansas DW Certification #: MN00064 Arkansas WW Certification #: 88-0680 California Certification #: 2929 CNMI Saipan Certification #: MP0003 Colorado Certification #: MN00064 Connecticut Certification #: PH-0256 EPA Region 8+Wyoming DW Certification #: via MN 027-053-137 Florida Certification #: E87605 Georgia Certification #: 959 Guam EPA Certification #: MN00064 Hawaii Certification #: MN00064 Idaho Certification #: MN00064 Illinois Certification #: 200011 Indiana Certification #: C-MN-01 Iowa Certification #: 368 Kansas Certification #: E-10167 Kentucky DW Certification #: 90062 Kentucky WW Certification #: 90062 Louisiana DEQ Certification #: 03086 Louisiana DW Certification #: MN00064 Maine Certification #: MN00064 Marvland Certification #: 322 Massachusetts Certification #: M-MN064 Michigan Certification #: 9909

Minnesota Certification #: 027-053-137 Minnesota Dept of Ag Certifcation #: via MN 027-053-137 Minnesota Petrofund Certification #: 1240 Mississippi Certification #: MN00064 Montana Certification #: CERT0092 Nebraska Certification #: NE-OS-18-06 Nevada Certification #: MN00064 New Hampshire Certification #: 2081 New Jersey Certification #: MN002 New York Certification #: 11647 North Carolina DW Certification #: 27700 North Carolina WW Certification #: 530 North Dakota Certification #: R-036 Ohio DW Certification #: 41244 Ohio VAP Certification #: CL101 Oklahoma Certification #: 9507 Oregon NwTPH Certification #: MN300001 Oregon Secondary Certification #: MN200001 Pennsylvania Certification #: 68-00563 Puerto Rico Certification #: MN00064 South Carolina Certification #:74003001 Tennessee Certification #: TN02818 Texas Certification #: T104704192 Utah Certification #: MN00064 Virginia Certification #: 460163 Washington Certification #: C486 West Virginia DW Certification #: 9952 C West Virginia DEP Certification #: 382 Wisconsin Certification #: 999407970 Wyoming UST Certification #: via A2LA 2926.01



SAMPLE SUMMARY

Project: 062175-05A-03 PCC-Kent

Pace Project No.: 10449537

| Lab ID | Sample ID | Matrix | Date Collected | Date Received |
|-------------|-----------|--------|----------------|----------------|
| 10449537001 | MW-1 | Water | 09/24/18 13:16 | 09/28/18 10:00 |
| 10449537002 | MW-3R | Water | 09/24/18 12:10 | 09/28/18 10:00 |
| 10449537003 | MW-6 | Water | 09/24/18 11:40 | 09/28/18 10:00 |
| 10449537004 | MW-7 | Water | 09/24/18 11:01 | 09/28/18 10:00 |
| 10449537005 | MW-9 | Water | 09/24/18 12:44 | 09/28/18 10:00 |
| 10449537006 | TB-1 | Water | 09/24/18 12:00 | 09/28/18 10:00 |



SAMPLE ANALYTE COUNT

 Project:
 062175-05A-03 PCC-Kent

 Pace Project No.:
 10449537

| Lab ID | Sample ID | Method | Analysts | Analytes Reported | Laboratory |
|-------------|-----------|-----------|----------|----------------------|------------|
| 10449537001 | MW-1 | EPA 6010D | DM | 1 | PASI-M |
| | | EPA 8260B | MJD | 69 | PASI-M |
| 10449537002 | MW-3R | EPA 6010D | DM | 1 | PASI-M |
| | | EPA 8260B | MJD | 69 | PASI-M |
| 10449537003 | MW-6 | EPA 6010D | DM | 1 | PASI-M |
| | | EPA 8260B | MJD | 69 | PASI-M |
| 10449537004 | MW-7 | EPA 6010D | DM | 1 | PASI-M |
| | | EPA 8260B | MJD | 69 | PASI-M |
| 10449537005 | MW-9 | EPA 6010D | DM | 1 | PASI-M |
| | | EPA 8260B | MJD | 69 | PASI-M |
| 10449537006 | TB-1 | EPA 8260B | MJD | 69 | PASI-M |



Project: 062175-05A-03 PCC-Kent

Pace Project No.: 10449537

Method: EPA 6010D

Description:6010D MET ICP, Lab FilteredClient:GHD_PCC AerostructuresDate:October 05, 2018

General Information:

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

Hold Time:

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

Sample Preparation:

The samples were prepared in accordance with EPA 3010 with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):

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

Continuing Calibration:

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

Method Blank:

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

Laboratory Control Spike:

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

Matrix Spikes:

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

Additional Comments:



Project: 062175-05A-03 PCC-Kent

Pace Project No.: 10449537

Method: EPA 8260B

Description:8260B VOCClient:GHD_PCC AerostructuresDate:October 05, 2018

General Information:

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

Hold Time:

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

Initial Calibrations (including MS Tune as applicable):

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

Continuing Calibration:

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

Internal Standards:

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

Surrogates:

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

Method Blank:

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

Laboratory Control Spike:

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

Matrix Spikes:

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

QC Batch: 567171

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 10449391023

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

- MSD (Lab ID: 3077598)
 - 1,1,1,2-Tetrachloroethane

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

- MS (Lab ID: 3077597)
 - 1,1,1-Trichloroethane
 - 1,1,2-Trichloroethane
 - 1,2-Dibromoethane (EDB)
 - 1,2-Dichlorobenzene
 - 1,3-Dichlorobenzene
 - 1,4-Dichlorobenzene
 - Bromobenzene
 - Bromodichloromethane
 - Chlorobenzene



Project: 062175-05A-03 PCC-Kent

Pace Project No.: 10449537

Method: EPA 8260B

| Description: | 8260B VOC |
|--------------|------------------------|
| Client: | GHD_PCC Aerostructures |
| Date: | October 05, 2018 |

QC Batch: 567171

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 10449391023

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

- Chloroform
- Ethylbenzene
- Isopropylbenzene (Cumene)
- Styrene
- Tetrachloroethene
- Trichloroethene
- sec-Butylbenzene
- MSD (Lab ID: 3077598)
 - 1,1,1-Trichloroethane
 - 1,1,2,2-Tetrachloroethane
 - 1,1,2-Trichloroethane
 - 1,1,2-Trichlorotrifluoroethane
 - 1,1-Dichloroethane
 - 1,1-Dichloroethene
 - 1,1-Dichloropropene
 - 1,2,3-Trichlorobenzene
 - 1,2,3-Trichloropropane
 - 1,2,4-Trichlorobenzene
 - 1,2,4-Trimethylbenzene
 - 1,2-Dibromo-3-chloropropane
 - 1,2-Dibromoethane (EDB)
 - 1,2-Dichlorobenzene
 - 1,2-Dichloroethane
 - 1,2-Dichloropropane
 - 1,3,5-Trimethylbenzene
 - 1,3-Dichlorobenzene
 - 1,3-Dichloropropane
 - 1,4-Dichlorobenzene
 - 2,2-Dichloropropane
 - 2-Butanone (MEK)
 - 2-Chlorotoluene
 - 4-Chlorotoluene
 - 4-Methyl-2-pentanone (MIBK)
 - Allyl chloride
 - Benzene
 - Bromobenzene
 - Bromochloromethane
 - Bromodichloromethane
 - Bromoform
 - Carbon tetrachloride
 - Chlorobenzene
 - Chloroform
 - Dibromochloromethane



Project: 062175-05A-03 PCC-Kent

Pace Project No.: 10449537

Method: EPA 8260B

Description:8260B VOCClient:GHD_PCC AerostructuresDate:October 05, 2018

QC Batch: 567171

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 10449391023

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

- Dibromomethane
- Diethyl ether (Ethyl ether)
- Ethylbenzene
- Hexachloro-1,3-butadiene
- Isopropylbenzene (Cumene)
- Methyl-tert-butyl ether
- Methylene Chloride
- Styrene
- Tetrachloroethene
- Tetrahydrofuran
- Toluene
- Trichloroethene
- Trichlorofluoromethane
- cis-1,2-Dichloroethene
- cis-1,3-Dichloropropene
- n-Butylbenzene
- n-Propylbenzene
- p-lsopropyltoluene
- sec-Butylbenzene
- tert-Butylbenzene
- trans-1,2-Dichloroethene
- trans-1,3-Dichloropropene

R1: RPD value was outside control limits.

- MSD (Lab ID: 3077598)
 - 1,1,1,2-Tetrachloroethane
 - 1,1,1-Trichloroethane
 - 1,1,2,2-Tetrachloroethane
 - 1,1,2-Trichloroethane
 - 1,1,2-Trichlorotrifluoroethane
 - 1,1-Dichloroethane
 - 1,1-Dichloroethene
 - 1,1-Dichloropropene
 - 1,2,3-Trichlorobenzene
 - 1,2,3-Trichloropropane
 - 1,2,4-Trichlorobenzene
 - 1,2,4-Thenioloberizerie
 - 1,2,4-Trimethylbenzene
 - 1,2-Dibromo-3-chloropropane
 - 1,2-Dibromoethane (EDB)
 - 1,2-Dichlorobenzene
 - 1,2-Dichloroethane
 - 1,2-Dichloropropane
 - 1,3,5-Trimethylbenzene
 - 1,3-Dichlorobenzene



Project: 062175-05A-03 PCC-Kent

Pace Project No.: 10449537

Method: EPA 8260B

Description:8260B VOCClient:GHD_PCC AerostructuresDate:October 05, 2018

QC Batch: 567171

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 10449391023

R1: RPD value was outside control limits.

- 1,3-Dichloropropane
- 1,4-Dichlorobenzene
- 2,2-Dichloropropane
- 2-Butanone (MEK)
- 2-Chlorotoluene
- 4-Methyl-2-pentanone (MIBK)
- Acetone
- Allyl chloride
- Benzene
- Bromobenzene
- Bromochloromethane
- Bromodichloromethane
- Bromoform
- Carbon tetrachloride
- Chlorobenzene
- Chloroform
- Dibromochloromethane
- Dibromomethane
- Diethyl ether (Ethyl ether)
- Ethylbenzene
- Hexachloro-1,3-butadiene
- Methyl-tert-butyl ether
- Methylene Chloride
- Naphthalene
- Styrene
- Tetrachloroethene
- Tetrahydrofuran
- Toluene
- cis-1,3-Dichloropropene
- n-Butylbenzene
- n-Propylbenzene
- p-lsopropyltoluene
- sec-Butylbenzene
- tert-Butylbenzene
- trans-1,2-Dichloroethene
- trans-1,3-Dichloropropene

Additional Comments:



Project: 062175-05A-03 PCC-Kent

Pace Project No.: 10449537

 Method:
 EPA 8260B

 Description:
 8260B VOC

 Client:
 GHD_PCC Aerostructures

 Date:
 October 05, 2018

Analyte Comments:

QC Batch: 567171

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

• LCS (Lab ID: 3077491)

• 1,1,1,2-Tetrachloroethane

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



Project: 062175-05A-03 PCC-Kent

Pace Project No.: 10449537

| Sample: MW-1 | Lab ID: 1044 | 49537001 | Collected: 09/24/1 | 8 13:16 | 6 Received: 09 | /28/18 10:00 N | latrix: Water | |
|--------------------------------|-----------------|------------|---------------------|----------|----------------|----------------|---------------|------|
| Parameters | Results | Units | Report Limit | DF | Prepared | Analyzed | CAS No. | Qual |
| 6010D MET ICP, Lab Filtered | Analytical Meth | od: EPA 60 | 010D Preparation Me | ethod: E | EPA 3010 | | | |
| Arsenic, Dissolved | ND | ug/L | 20.0 | 1 | 10/02/18 13:20 | 10/03/18 16:44 | 7440-38-2 | |
| 8260B VOC | Analytical Meth | od: EPA 82 | 260B | | | | | |
| 1,1,1,2-Tetrachloroethane | ND | ug/L | 1.0 | 1 | | 10/04/18 15:56 | 630-20-6 | |
| 1,1,1-Trichloroethane | ND | ug/L | 1.0 | 1 | | 10/04/18 15:56 | 71-55-6 | |
| 1,1,2,2-Tetrachloroethane | ND | ug/L | 1.0 | 1 | | 10/04/18 15:56 | 79-34-5 | |
| 1,1,2-Trichloroethane | ND | ug/L | 1.0 | 1 | | 10/04/18 15:56 | 79-00-5 | |
| 1,1,2-Trichlorotrifluoroethane | ND | ug/L | 1.0 | 1 | | 10/04/18 15:56 | 76-13-1 | |
| 1,1-Dichloroethane | ND | ug/L | 1.0 | 1 | | 10/04/18 15:56 | 75-34-3 | |
| 1,1-Dichloroethene | ND | ug/L | 1.0 | 1 | | 10/04/18 15:56 | 75-35-4 | |
| 1,1-Dichloropropene | ND | ug/L | 1.0 | 1 | | 10/04/18 15:56 | 563-58-6 | |
| 1,2,3-Trichlorobenzene | ND | uq/L | 1.0 | 1 | | 10/04/18 15:56 | 87-61-6 | |
| 1.2.3-Trichloropropane | ND | ua/L | 4.0 | 1 | | 10/04/18 15:56 | 96-18-4 | |
| 1.2.4-Trichlorobenzene | ND | ua/L | 1.0 | 1 | | 10/04/18 15:56 | 120-82-1 | |
| 1.2.4-Trimethylbenzene | ND | ua/L | 1.0 | 1 | | 10/04/18 15:56 | 95-63-6 | |
| 1.2-Dibromo-3-chloropropane | ND | ua/L | 4.0 | 1 | | 10/04/18 15:56 | 96-12-8 | |
| 1.2-Dibromoethane (FDB) | ND | ua/l | 1.0 | 1 | | 10/04/18 15:56 | 106-93-4 | |
| 1.2-Dichlorobenzene | ND | ua/l | 1.0 | 1 | | 10/04/18 15:56 | 95-50-1 | |
| 1 2-Dichloroethane | ND | ug/L | 1.0 | 1 | | 10/04/18 15:56 | 107-06-2 | |
| 1.2-Dichloropropane | ND | ug/L | 4.0 | 1 | | 10/04/18 15:56 | 78-87-5 | |
| 1 3 5-Trimethylbenzene | ND | ug/L | 4.0 | 1 | | 10/04/18 15:56 | 108-67-8 | |
| 1 3-Dichlorobenzene | ND | ug/L | 1.0 | 1 | | 10/04/18 15:56 | 541-73-1 | |
| 1 3-Dichloropropane | ND | ug/L | 1.0 | 1 | | 10/04/18 15:56 | 142-28-9 | |
| 1 4-Dichlorobenzene | ND | ug/L | 1.0 | 1 | | 10/04/18 15:56 | 106-46-7 | |
| 2.2-Dichloropropage | ND | ug/L | 1.0 | 1 | | 10/04/18 15:56 | 594-20-7 | |
| 2-Butanone (MEK) | | ug/L | 4.0 | 1 | | 10/04/18 15:56 | 78-03-3 | |
| 2 Chlorotoluono | | ug/L | J.0 | 1 | | 10/04/18 15:56 | 05 40 8 | |
| | | ug/∟ | 1.0 | 1 | | 10/04/10 15:50 | 9J-49-0 | |
| 4 Methyl 2 pontenene (MIRK) | | ug/∟ | 1.0 E O | 1 | | 10/04/10 15:50 | 100-43-4 | |
| | | ug/∟ | 5.0 | 1 | | 10/04/10 15.50 | 100-10-1 | |
| Allelablarida | ND | ug/L | 20.0 | 1 | | 10/04/18 15:56 | 67-64-1 | |
| Anyi Chionde | ND | ug/∟ | 4.0 | 1 | | 10/04/18 15:56 | 107-05-1 | |
| Benzene | ND | ug/L | 1.0 | 1 | | 10/04/18 15:56 | 71-43-2 | |
| Bromobenzene | ND | ug/L | 1.0 | 1 | | 10/04/18 15:56 | 108-86-1 | |
| Bromocniorometnane | ND | ug/L | 1.0 | 1 | | 10/04/18 15:56 | 74-97-5 | |
| Bromodichloromethane | ND | ug/L | 1.0 | 1 | | 10/04/18 15:56 | 75-27-4 | |
| Bromotorm | ND | ug/L | 4.0 | 1 | | 10/04/18 15:56 | 75-25-2 | |
| Bromomethane | ND | ug/L | 4.0 | 1 | | 10/04/18 15:56 | 74-83-9 | |
| Carbon tetrachloride | ND | ug/L | 1.0 | 1 | | 10/04/18 15:56 | 56-23-5 | |
| Chlorobenzene | ND | ug/L | 1.0 | 1 | | 10/04/18 15:56 | 108-90-7 | |
| Chloroethane | ND | ug/L | 1.0 | 1 | | 10/04/18 15:56 | 75-00-3 | |
| Chloroform | ND | ug/L | 4.0 | 1 | | 10/04/18 15:56 | 67-66-3 | |
| Chloromethane | ND | ug/L | 4.0 | 1 | | 10/04/18 15:56 | 74-87-3 | |
| Dibromochloromethane | ND | ug/L | 1.0 | 1 | | 10/04/18 15:56 | 124-48-1 | |
| Dibromomethane | ND | ug/L | 4.0 | 1 | | 10/04/18 15:56 | 74-95-3 | |
| Dichlorodifluoromethane | ND | ug/L | 1.0 | 1 | | 10/04/18 15:56 | 75-71-8 | |
| Diethyl ether (Ethyl ether) | ND | ug/L | 4.0 | 1 | | 10/04/18 15:56 | 60-29-7 | |
| Ethylbenzene | ND | ug/L | 1.0 | 1 | | 10/04/18 15:56 | 100-41-4 | |



Project: 062175-05A-03 PCC-Kent

Pace Project No.: 10449537

| Sample: MW-1 | Lab ID: 10449537001 | | Collected: 09/24/18 13:16 | | Received: 09/28/18 10:00 Ma | | latrix: Water | |
|---------------------------|---------------------|------------------------------|---------------------------|----|-----------------------------|----------------|---------------|------|
| Parameters | Results | Units | Report Limit | DF | Prepared | Analyzed | CAS No. | Qual |
| 8260B VOC | Analytical Meth | Analytical Method: EPA 8260B | | | | | | |
| Hexachloro-1,3-butadiene | ND | ug/L | 1.0 | 1 | | 10/04/18 15:56 | 87-68-3 | |
| Isopropylbenzene (Cumene) | ND | ug/L | 1.0 | 1 | | 10/04/18 15:56 | 98-82-8 | |
| Methyl-tert-butyl ether | ND | ug/L | 1.0 | 1 | | 10/04/18 15:56 | 1634-04-4 | |
| Methylene Chloride | ND | ug/L | 4.0 | 1 | | 10/04/18 15:56 | 75-09-2 | |
| Naphthalene | ND | ug/L | 4.0 | 1 | | 10/04/18 15:56 | 91-20-3 | |
| Styrene | ND | ug/L | 1.0 | 1 | | 10/04/18 15:56 | 100-42-5 | |
| Tetrachloroethene | ND | ug/L | 1.0 | 1 | | 10/04/18 15:56 | 127-18-4 | |
| Tetrahydrofuran | ND | ug/L | 10.0 | 1 | | 10/04/18 15:56 | 109-99-9 | |
| Toluene | ND | ug/L | 1.0 | 1 | | 10/04/18 15:56 | 108-88-3 | |
| Trichloroethene | ND | ug/L | 0.40 | 1 | | 10/04/18 15:56 | 79-01-6 | |
| Trichlorofluoromethane | ND | ug/L | 1.0 | 1 | | 10/04/18 15:56 | 75-69-4 | |
| Vinyl chloride | ND | ug/L | 0.20 | 1 | | 10/04/18 15:56 | 75-01-4 | |
| Xylene (Total) | ND | ug/L | 3.0 | 1 | | 10/04/18 15:56 | 1330-20-7 | |
| cis-1,2-Dichloroethene | 3.1 | ug/L | 1.0 | 1 | | 10/04/18 15:56 | 156-59-2 | |
| cis-1,3-Dichloropropene | ND | ug/L | 4.0 | 1 | | 10/04/18 15:56 | 10061-01-5 | |
| n-Butylbenzene | ND | ug/L | 1.0 | 1 | | 10/04/18 15:56 | 104-51-8 | |
| n-Propylbenzene | ND | ug/L | 1.0 | 1 | | 10/04/18 15:56 | 103-65-1 | |
| p-Isopropyltoluene | ND | ug/L | 1.0 | 1 | | 10/04/18 15:56 | 99-87-6 | |
| sec-Butylbenzene | ND | ug/L | 1.0 | 1 | | 10/04/18 15:56 | 135-98-8 | |
| tert-Butylbenzene | ND | ug/L | 1.0 | 1 | | 10/04/18 15:56 | 98-06-6 | |
| trans-1,2-Dichloroethene | ND | ug/L | 1.0 | 1 | | 10/04/18 15:56 | 156-60-5 | |
| trans-1,3-Dichloropropene | ND | ug/L | 4.0 | 1 | | 10/04/18 15:56 | 10061-02-6 | |
| Surrogates | | - | | | | | | |
| 1,2-Dichloroethane-d4 (S) | 103 | %. | 75-125 | 1 | | 10/04/18 15:56 | 17060-07-0 | |
| Toluene-d8 (S) | 100 | %. | 75-125 | 1 | | 10/04/18 15:56 | 2037-26-5 | |
| 4-Bromofluorobenzene (S) | 105 | %. | 75-125 | 1 | | 10/04/18 15:56 | 460-00-4 | |



Project: 062175-05A-03 PCC-Kent

Pace Project No.: 10449537

| Sample: MW-3R | Lab ID: 104 | 49537002 | Collected: 09/24/1 | 8 12:1 | 0 Received: 09 | /28/18 10:00 N | latrix: Water | |
|--------------------------------|-----------------|-------------|---------------------|----------|----------------|----------------|---------------|------|
| Parameters | Results | Units | Report Limit | DF | Prepared | Analyzed | CAS No. | Qual |
| 6010D MET ICP, Lab Filtered | Analytical Meth | nod: EPA 60 | 010D Preparation Me | ethod: I | EPA 3010 | | | |
| Arsenic, Dissolved | ND | ug/L | 20.0 | 1 | 10/02/18 13:20 | 10/03/18 16:45 | 7440-38-2 | |
| 8260B VOC | Analytical Meth | nod: EPA 82 | 260B | | | | | |
| 1,1,1,2-Tetrachloroethane | ND | ug/L | 1.0 | 1 | | 10/04/18 16:14 | 630-20-6 | |
| 1,1,1-Trichloroethane | ND | ug/L | 1.0 | 1 | | 10/04/18 16:14 | 71-55-6 | |
| 1,1,2,2-Tetrachloroethane | ND | ug/L | 1.0 | 1 | | 10/04/18 16:14 | 79-34-5 | |
| 1,1,2-Trichloroethane | ND | ug/L | 1.0 | 1 | | 10/04/18 16:14 | 79-00-5 | |
| 1,1,2-Trichlorotrifluoroethane | ND | ug/L | 1.0 | 1 | | 10/04/18 16:14 | 76-13-1 | |
| 1,1-Dichloroethane | ND | ug/L | 1.0 | 1 | | 10/04/18 16:14 | 75-34-3 | |
| 1,1-Dichloroethene | ND | ug/L | 1.0 | 1 | | 10/04/18 16:14 | 75-35-4 | |
| 1,1-Dichloropropene | ND | ug/L | 1.0 | 1 | | 10/04/18 16:14 | 563-58-6 | |
| 1,2,3-Trichlorobenzene | ND | ug/L | 1.0 | 1 | | 10/04/18 16:14 | 87-61-6 | |
| 1,2,3-Trichloropropane | ND | ug/L | 4.0 | 1 | | 10/04/18 16:14 | 96-18-4 | |
| 1,2,4-Trichlorobenzene | ND | ug/L | 1.0 | 1 | | 10/04/18 16:14 | 120-82-1 | |
| 1,2,4-Trimethylbenzene | ND | ug/L | 1.0 | 1 | | 10/04/18 16:14 | 95-63-6 | |
| 1,2-Dibromo-3-chloropropane | ND | ug/L | 4.0 | 1 | | 10/04/18 16:14 | 96-12-8 | |
| 1,2-Dibromoethane (EDB) | ND | ug/L | 1.0 | 1 | | 10/04/18 16:14 | 106-93-4 | |
| 1.2-Dichlorobenzene | ND | ua/L | 1.0 | 1 | | 10/04/18 16:14 | 95-50-1 | |
| 1.2-Dichloroethane | ND | ua/L | 1.0 | 1 | | 10/04/18 16:14 | 107-06-2 | |
| 1.2-Dichloropropane | ND | ua/L | 4.0 | 1 | | 10/04/18 16:14 | 78-87-5 | |
| 1.3.5-Trimethylbenzene | ND | ua/L | 1.0 | 1 | | 10/04/18 16:14 | 108-67-8 | |
| 1.3-Dichlorobenzene | ND | ua/L | 1.0 | 1 | | 10/04/18 16:14 | 541-73-1 | |
| 1.3-Dichloropropane | ND | ua/l | 1.0 | 1 | | 10/04/18 16:14 | 142-28-9 | |
| 1 4-Dichlorobenzene | ND | ua/l | 10 | 1 | | 10/04/18 16:14 | 106-46-7 | |
| 2 2-Dichloropropane | | ug/L | 4.0 | 1 | | 10/04/18 16:14 | 594-20-7 | |
| 2-Butanone (MEK) | | ug/L | 4.0 5.0 | 1 | | 10/04/18 16:14 | 78-93-3 | |
| 2-Chlorotoluene | | ug/L | 1.0 | 1 | | 10/04/18 16:14 | 95-49-8 | |
| | | ug/L | 1.0 | 1 | | 10/04/18 16:14 | 106-43-4 | |
| 4-Methyl-2-pentanone (MIBK) | | ug/L | 5.0 | 1 | | 10/04/18 16:14 | 108-10-1 | |
| Acetone | | ug/L | 20.0 | 1 | | 10/04/18 16:14 | 67-64-1 | |
| Allyl chloride | | ug/L | 20.0 | 1 | | 10/04/18 16:14 | 107-04-1 | |
| Bonzono | | ug/L | 4.0 | 1 | | 10/04/10 10:14 | 71 /2 2 | |
| Bromohonzono | | ug/L | 1.0 | 1 | | 10/04/10 10:14 | 109 96 1 | |
| Bromochloromothana | | ug/L | 1.0 | 1 | | 10/04/18 10:14 | 74 07 5 | |
| Bromodiobloromothono | | ug/L | 1.0 | 1 | | 10/04/18 10.14 | 74-97-5 | |
| Bromoform | | ug/L | 1.0 | 1 | | 10/04/10 10.14 | 75-27-4 | |
| Bromomothone | | ug/∟ | 4.0 | 1 | | 10/04/10 10.14 | 73-23-2 | |
| | | ug/∟ | 4.0 | 1 | | 10/04/18 16:14 | 74-63-9 | |
| Carbon tetrachioride | ND | ug/L | 1.0 | 1 | | 10/04/18 16:14 | 56-23-5 | |
| Chlorobenzene | ND | ug/L | 1.0 | 1 | | 10/04/18 16:14 | 108-90-7 | |
| | ND | ug/L | 1.0 | 1 | | 10/04/18 16:14 | 15-00-3 | |
| Chloremethere | | ug/L | 4.0 | 1 | | 10/04/18 16:14 | 07-00-3 | |
| | ND | ug/L | 4.0 | 1 | | 10/04/18 16:14 | 14-81-3 | |
| Dibromochloromethane | ND | ug/L | 1.0 | 1 | | 10/04/18 16:14 | 124-48-1 | |
| Dibromomethane | ND | ug/L | 4.0 | 1 | | 10/04/18 16:14 | 74-95-3 | |
| Dichlorodifluoromethane | ND | ug/L | 1.0 | 1 | | 10/04/18 16:14 | 75-71-8 | |
| Diethyl ether (Ethyl ether) | ND | ug/L | 4.0 | 1 | | 10/04/18 16:14 | 60-29-7 | |
| Ethylbenzene | ND | ug/L | 1.0 | 1 | | 10/04/18 16:14 | 100-41-4 | |



Project: 062175-05A-03 PCC-Kent

Pace Project No.: 10449537

| Sample: MW-3R | Lab ID: 10449537002 | | Collected: 09/24/1 | Collected: 09/24/18 12:10 | | Received: 09/28/18 10:00 Matrix: W | | |
|---------------------------|------------------------------|-------|--------------------|---------------------------|----------|------------------------------------|------------|------|
| Parameters | Results | Units | Report Limit | DF | Prepared | Analyzed | CAS No. | Qual |
| 8260B VOC | Analytical Method: EPA 8260B | | | | | | | |
| Hexachloro-1,3-butadiene | ND | ug/L | 1.0 | 1 | | 10/04/18 16:14 | 87-68-3 | |
| Isopropylbenzene (Cumene) | ND | ug/L | 1.0 | 1 | | 10/04/18 16:14 | 98-82-8 | |
| Methyl-tert-butyl ether | ND | ug/L | 1.0 | 1 | | 10/04/18 16:14 | 1634-04-4 | |
| Methylene Chloride | ND | ug/L | 4.0 | 1 | | 10/04/18 16:14 | 75-09-2 | |
| Naphthalene | ND | ug/L | 4.0 | 1 | | 10/04/18 16:14 | 91-20-3 | |
| Styrene | ND | ug/L | 1.0 | 1 | | 10/04/18 16:14 | 100-42-5 | |
| Tetrachloroethene | ND | ug/L | 1.0 | 1 | | 10/04/18 16:14 | 127-18-4 | |
| Tetrahydrofuran | ND | ug/L | 10.0 | 1 | | 10/04/18 16:14 | 109-99-9 | |
| Toluene | ND | ug/L | 1.0 | 1 | | 10/04/18 16:14 | 108-88-3 | |
| Trichloroethene | ND | ug/L | 0.40 | 1 | | 10/04/18 16:14 | 79-01-6 | |
| Trichlorofluoromethane | ND | ug/L | 1.0 | 1 | | 10/04/18 16:14 | 75-69-4 | |
| Vinyl chloride | 0.58 | ug/L | 0.20 | 1 | | 10/04/18 16:14 | 75-01-4 | |
| Xylene (Total) | ND | ug/L | 3.0 | 1 | | 10/04/18 16:14 | 1330-20-7 | |
| cis-1,2-Dichloroethene | 2.3 | ug/L | 1.0 | 1 | | 10/04/18 16:14 | 156-59-2 | |
| cis-1,3-Dichloropropene | ND | ug/L | 4.0 | 1 | | 10/04/18 16:14 | 10061-01-5 | |
| n-Butylbenzene | ND | ug/L | 1.0 | 1 | | 10/04/18 16:14 | 104-51-8 | |
| n-Propylbenzene | ND | ug/L | 1.0 | 1 | | 10/04/18 16:14 | 103-65-1 | |
| p-lsopropyltoluene | ND | ug/L | 1.0 | 1 | | 10/04/18 16:14 | 99-87-6 | |
| sec-Butylbenzene | ND | ug/L | 1.0 | 1 | | 10/04/18 16:14 | 135-98-8 | |
| tert-Butylbenzene | ND | ug/L | 1.0 | 1 | | 10/04/18 16:14 | 98-06-6 | |
| trans-1,2-Dichloroethene | ND | ug/L | 1.0 | 1 | | 10/04/18 16:14 | 156-60-5 | |
| trans-1,3-Dichloropropene | ND | ug/L | 4.0 | 1 | | 10/04/18 16:14 | 10061-02-6 | |
| Surrogates | | Ū | | | | | | |
| 1,2-Dichloroethane-d4 (S) | 102 | %. | 75-125 | 1 | | 10/04/18 16:14 | 17060-07-0 | |
| Toluene-d8 (S) | 100 | %. | 75-125 | 1 | | 10/04/18 16:14 | 2037-26-5 | |
| 4-Bromofluorobenzene (S) | 101 | %. | 75-125 | 1 | | 10/04/18 16:14 | 460-00-4 | |



Project: 062175-05A-03 PCC-Kent

Pace Project No.: 10449537

| Sample: MW-6 | Lab ID: 1044 | 19537003 | Collected: 09/24/1 | 8 11:40 | Received: 09 | /28/18 10:00 N | latrix: Water | |
|--------------------------------|-----------------|------------|---------------------|----------|----------------|----------------|---------------|------|
| Parameters | Results | Units | Report Limit | DF | Prepared | Analyzed | CAS No. | Qual |
| 6010D MET ICP, Lab Filtered | Analytical Meth | od: EPA 60 | 010D Preparation Me | ethod: E | PA 3010 | | | |
| Arsenic, Dissolved | ND | ug/L | 20.0 | 1 | 10/02/18 13:20 | 10/03/18 16:47 | 7440-38-2 | |
| 8260B VOC | Analytical Meth | od: EPA 82 | 260B | | | | | |
| 1,1,1,2-Tetrachloroethane | ND | ug/L | 1.0 | 1 | | 10/04/18 16:31 | 630-20-6 | |
| 1,1,1-Trichloroethane | ND | ug/L | 1.0 | 1 | | 10/04/18 16:31 | 71-55-6 | |
| 1,1,2,2-Tetrachloroethane | ND | ug/L | 1.0 | 1 | | 10/04/18 16:31 | 79-34-5 | |
| 1,1,2-Trichloroethane | ND | ug/L | 1.0 | 1 | | 10/04/18 16:31 | 79-00-5 | |
| 1,1,2-Trichlorotrifluoroethane | ND | ug/L | 1.0 | 1 | | 10/04/18 16:31 | 76-13-1 | |
| 1,1-Dichloroethane | ND | ug/L | 1.0 | 1 | | 10/04/18 16:31 | 75-34-3 | |
| 1,1-Dichloroethene | ND | ug/L | 1.0 | 1 | | 10/04/18 16:31 | 75-35-4 | |
| 1,1-Dichloropropene | ND | ug/L | 1.0 | 1 | | 10/04/18 16:31 | 563-58-6 | |
| 1,2,3-Trichlorobenzene | ND | ug/L | 1.0 | 1 | | 10/04/18 16:31 | 87-61-6 | |
| 1,2,3-Trichloropropane | ND | ug/L | 4.0 | 1 | | 10/04/18 16:31 | 96-18-4 | |
| 1.2.4-Trichlorobenzene | ND | ua/L | 1.0 | 1 | | 10/04/18 16:31 | 120-82-1 | |
| 1.2.4-Trimethylbenzene | ND | ua/L | 1.0 | 1 | | 10/04/18 16:31 | 95-63-6 | |
| 1.2-Dibromo-3-chloropropane | ND | ua/L | 4.0 | 1 | | 10/04/18 16:31 | 96-12-8 | |
| 1.2-Dibromoethane (FDB) | ND | ug/l | 1.0 | 1 | | 10/04/18 16:31 | 106-93-4 | |
| 1.2-Dichlorobenzene | ND | ug/l | 1.0 | 1 | | 10/04/18 16:31 | 95-50-1 | |
| 1 2-Dichloroethane | ND | ug/L | 1.0 | 1 | | 10/04/18 16:31 | 107-06-2 | |
| 1.2-Dichloropropage | ND | ug/L | 4.0 | 1 | | 10/04/18 16:31 | 78-87-5 | |
| 1 3 5-Trimethylbenzene | ND | ug/L | 4.0 | 1 | | 10/04/18 16:31 | 108-67-8 | |
| 1 3-Dichlorobenzene | ND | ug/L | 1.0 | 1 | | 10/04/18 16:31 | 541-73-1 | |
| 1 3-Dichloropropane | ND | ug/L | 1.0 | 1 | | 10/04/18 16:31 | 142-28-9 | |
| 1.4-Dichlorobenzene | | ug/L | 1.0 | 1 | | 10/04/18 16:31 | 106-46-7 | |
| | | ug/L | 1.0 | 1 | | 10/04/18 16:31 | 504 20 7 | |
| 2,2-Dichloroproparie | | ug/L | 4.0 | 1 | | 10/04/18 16:31 | 79 02 2 | |
| | ND | ug/∟ | 5.0 | 1 | | 10/04/10 10.31 | 70-93-3 | |
| | ND | ug/L | 1.0 | 1 | | 10/04/18 16:31 | 90-49-6 | |
| 4-Chiorotoluene | ND | ug/L | 1.0 | 1 | | 10/04/18 16:31 | 106-43-4 | |
| 4-Methyl-2-pentanone (MIBK) | ND | ug/L | 5.0 | 1 | | 10/04/18 16:31 | 108-10-1 | |
| Acetone | ND | ug/L | 20.0 | 1 | | 10/04/18 16:31 | 67-64-1 | |
| Allyl chloride | ND | ug/L | 4.0 | 1 | | 10/04/18 16:31 | 107-05-1 | |
| Benzene | ND | ug/L | 1.0 | 1 | | 10/04/18 16:31 | 71-43-2 | |
| Bromobenzene | ND | ug/L | 1.0 | 1 | | 10/04/18 16:31 | 108-86-1 | |
| Bromochloromethane | ND | ug/L | 1.0 | 1 | | 10/04/18 16:31 | 74-97-5 | |
| Bromodichloromethane | ND | ug/L | 1.0 | 1 | | 10/04/18 16:31 | 75-27-4 | |
| Bromoform | ND | ug/L | 4.0 | 1 | | 10/04/18 16:31 | 75-25-2 | |
| Bromomethane | ND | ug/L | 4.0 | 1 | | 10/04/18 16:31 | 74-83-9 | |
| Carbon tetrachloride | ND | ug/L | 1.0 | 1 | | 10/04/18 16:31 | 56-23-5 | |
| Chlorobenzene | ND | ug/L | 1.0 | 1 | | 10/04/18 16:31 | 108-90-7 | |
| Chloroethane | ND | ug/L | 1.0 | 1 | | 10/04/18 16:31 | 75-00-3 | |
| Chloroform | ND | ug/L | 4.0 | 1 | | 10/04/18 16:31 | 67-66-3 | |
| Chloromethane | ND | ug/L | 4.0 | 1 | | 10/04/18 16:31 | 74-87-3 | |
| Dibromochloromethane | ND | ug/L | 1.0 | 1 | | 10/04/18 16:31 | 124-48-1 | |
| Dibromomethane | ND | ug/L | 4.0 | 1 | | 10/04/18 16:31 | 74-95-3 | |
| Dichlorodifluoromethane | ND | ug/L | 1.0 | 1 | | 10/04/18 16:31 | 75-71-8 | |
| Diethyl ether (Ethyl ether) | ND | ug/L | 4.0 | 1 | | 10/04/18 16:31 | 60-29-7 | |
| Ethylbenzene | ND | ug/L | 1.0 | 1 | | 10/04/18 16:31 | 100-41-4 | |



Project: 062175-05A-03 PCC-Kent

Pace Project No.: 10449537

| Sample: MW-6 | Lab ID: 10449537003 | | Collected: 09/24/18 11:40 | | Received: 09/28/18 10:00 Matrix: | | latrix: Water | : Water | |
|---------------------------|---------------------|------------------------------|---------------------------|----|----------------------------------|----------------|---------------|---------|--|
| Parameters | Results | Units | Report Limit | DF | Prepared | Analyzed | CAS No. | Qual | |
| 8260B VOC | Analytical Meth | Analytical Method: EPA 8260B | | | | | | | |
| Hexachloro-1,3-butadiene | ND | ug/L | 1.0 | 1 | | 10/04/18 16:31 | 87-68-3 | | |
| Isopropylbenzene (Cumene) | ND | ug/L | 1.0 | 1 | | 10/04/18 16:31 | 98-82-8 | | |
| Methyl-tert-butyl ether | ND | ug/L | 1.0 | 1 | | 10/04/18 16:31 | 1634-04-4 | | |
| Methylene Chloride | ND | ug/L | 4.0 | 1 | | 10/04/18 16:31 | 75-09-2 | | |
| Naphthalene | ND | ug/L | 4.0 | 1 | | 10/04/18 16:31 | 91-20-3 | | |
| Styrene | ND | ug/L | 1.0 | 1 | | 10/04/18 16:31 | 100-42-5 | | |
| Tetrachloroethene | ND | ug/L | 1.0 | 1 | | 10/04/18 16:31 | 127-18-4 | | |
| Tetrahydrofuran | ND | ug/L | 10.0 | 1 | | 10/04/18 16:31 | 109-99-9 | | |
| Toluene | ND | ug/L | 1.0 | 1 | | 10/04/18 16:31 | 108-88-3 | | |
| Trichloroethene | ND | ug/L | 0.40 | 1 | | 10/04/18 16:31 | 79-01-6 | | |
| Trichlorofluoromethane | ND | ug/L | 1.0 | 1 | | 10/04/18 16:31 | 75-69-4 | | |
| Vinyl chloride | ND | ug/L | 0.20 | 1 | | 10/04/18 16:31 | 75-01-4 | | |
| Xylene (Total) | ND | ug/L | 3.0 | 1 | | 10/04/18 16:31 | 1330-20-7 | | |
| cis-1,2-Dichloroethene | ND | ug/L | 1.0 | 1 | | 10/04/18 16:31 | 156-59-2 | | |
| cis-1,3-Dichloropropene | ND | ug/L | 4.0 | 1 | | 10/04/18 16:31 | 10061-01-5 | | |
| n-Butylbenzene | ND | ug/L | 1.0 | 1 | | 10/04/18 16:31 | 104-51-8 | | |
| n-Propylbenzene | ND | ug/L | 1.0 | 1 | | 10/04/18 16:31 | 103-65-1 | | |
| p-lsopropyltoluene | ND | ug/L | 1.0 | 1 | | 10/04/18 16:31 | 99-87-6 | | |
| sec-Butylbenzene | ND | ug/L | 1.0 | 1 | | 10/04/18 16:31 | 135-98-8 | | |
| tert-Butylbenzene | ND | ug/L | 1.0 | 1 | | 10/04/18 16:31 | 98-06-6 | | |
| trans-1,2-Dichloroethene | ND | ug/L | 1.0 | 1 | | 10/04/18 16:31 | 156-60-5 | | |
| trans-1,3-Dichloropropene | ND | ug/L | 4.0 | 1 | | 10/04/18 16:31 | 10061-02-6 | | |
| Surrogates | | Ū | | | | | | | |
| 1,2-Dichloroethane-d4 (S) | 102 | %. | 75-125 | 1 | | 10/04/18 16:31 | 17060-07-0 | | |
| Toluene-d8 (S) | 99 | %. | 75-125 | 1 | | 10/04/18 16:31 | 2037-26-5 | | |
| 4-Bromofluorobenzene (S) | 102 | %. | 75-125 | 1 | | 10/04/18 16:31 | 460-00-4 | | |



Project: 062175-05A-03 PCC-Kent

Pace Project No.: 10449537

| Sample: MW-7 | Lab ID: 1044 | 19537004 | Collected: 09/24/1 | 8 11:01 | Received: 09 | /28/18 10:00 N | latrix: Water | |
|--------------------------------|-----------------|------------|---------------------|----------|----------------|----------------|---------------|------|
| Parameters | Results | Units | Report Limit | DF | Prepared | Analyzed | CAS No. | Qual |
| 6010D MET ICP, Lab Filtered | Analytical Meth | od: EPA 60 | 010D Preparation Me | ethod: E | PA 3010 | | | |
| Arsenic, Dissolved | ND | ug/L | 20.0 | 1 | 10/02/18 13:20 | 10/03/18 16:49 | 7440-38-2 | |
| 8260B VOC | Analytical Meth | od: EPA 82 | 260B | | | | | |
| 1,1,1,2-Tetrachloroethane | ND | ug/L | 1.0 | 1 | | 10/04/18 16:49 | 630-20-6 | |
| 1,1,1-Trichloroethane | ND | ug/L | 1.0 | 1 | | 10/04/18 16:49 | 71-55-6 | |
| 1,1,2,2-Tetrachloroethane | ND | ug/L | 1.0 | 1 | | 10/04/18 16:49 | 79-34-5 | |
| 1,1,2-Trichloroethane | ND | ug/L | 1.0 | 1 | | 10/04/18 16:49 | 79-00-5 | |
| 1,1,2-Trichlorotrifluoroethane | ND | ug/L | 1.0 | 1 | | 10/04/18 16:49 | 76-13-1 | |
| 1,1-Dichloroethane | ND | ug/L | 1.0 | 1 | | 10/04/18 16:49 | 75-34-3 | |
| 1,1-Dichloroethene | ND | ug/L | 1.0 | 1 | | 10/04/18 16:49 | 75-35-4 | |
| 1,1-Dichloropropene | ND | ug/L | 1.0 | 1 | | 10/04/18 16:49 | 563-58-6 | |
| 1,2,3-Trichlorobenzene | ND | ug/L | 1.0 | 1 | | 10/04/18 16:49 | 87-61-6 | |
| 1,2,3-Trichloropropane | ND | ug/L | 4.0 | 1 | | 10/04/18 16:49 | 96-18-4 | |
| 1,2,4-Trichlorobenzene | ND | ug/L | 1.0 | 1 | | 10/04/18 16:49 | 120-82-1 | |
| 1,2,4-Trimethylbenzene | ND | ug/L | 1.0 | 1 | | 10/04/18 16:49 | 95-63-6 | |
| 1,2-Dibromo-3-chloropropane | ND | ug/L | 4.0 | 1 | | 10/04/18 16:49 | 96-12-8 | |
| 1,2-Dibromoethane (EDB) | ND | ug/L | 1.0 | 1 | | 10/04/18 16:49 | 106-93-4 | |
| 1,2-Dichlorobenzene | ND | ug/L | 1.0 | 1 | | 10/04/18 16:49 | 95-50-1 | |
| 1.2-Dichloroethane | ND | ua/L | 1.0 | 1 | | 10/04/18 16:49 | 107-06-2 | |
| 1.2-Dichloropropane | ND | ua/L | 4.0 | 1 | | 10/04/18 16:49 | 78-87-5 | |
| 1.3.5-Trimethylbenzene | ND | ua/L | 1.0 | 1 | | 10/04/18 16:49 | 108-67-8 | |
| 1.3-Dichlorobenzene | ND | ua/L | 1.0 | 1 | | 10/04/18 16:49 | 541-73-1 | |
| 1.3-Dichloropropane | ND | ug/l | 1.0 | 1 | | 10/04/18 16:49 | 142-28-9 | |
| 1.4-Dichlorobenzene | ND | ug/l | 1.0 | 1 | | 10/04/18 16:49 | 106-46-7 | |
| 2 2-Dichloropropane | ND | ug/L | 4.0 | 1 | | 10/04/18 16:49 | 594-20-7 | |
| 2-Butanone (MEK) | ND | ug/L | 4.0 5.0 | 1 | | 10/04/18 16:49 | 78-93-3 | |
| 2-Chlorotoluene | ND | ug/L | 1.0 | 1 | | 10/04/18 16:49 | 95-49-8 | |
| 4-Chlorotoluene | ND | ug/L | 1.0 | 1 | | 10/04/18 16:49 | 106-43-4 | |
| 4-Methyl-2-pentanone (MIBK) | ND | ug/L | 5.0 | 1 | | 10/04/18 16:49 | 108-10-1 | |
| Acetone | | ug/L | 20.0 | 1 | | 10/04/18 16:49 | 67-64-1 | |
| Allyl chloride | | ug/L | 20.0 | 1 | | 10/04/18 16:49 | 107-05-1 | |
| Benzene | | ug/L | 4.0 | 1 | | 10/04/18 16:49 | 71-43-2 | |
| Bromohonzono | | ug/L | 1.0 | 1 | | 10/04/18 16:49 | 109 96 1 | |
| Bromachleremethana | ND | ug/L | 1.0 | 1 | | 10/04/18 10:49 | 74.07.5 | |
| Bromodiobloromothono | ND | ug/L | 1.0 | 1 | | 10/04/10 10.49 | 74-97-5 | |
| Bromoform | ND | ug/L | 1.0 | 1 | | 10/04/10 10.49 | 75-27-4 | |
| Bromomothone | ND | ug/∟ | 4.0 | 1 | | 10/04/10 10.49 | 75-25-2 | |
| Bromometnane | ND | ug/L | 4.0 | 1 | | 10/04/18 16:49 | 74-83-9 | |
| Carbon tetrachioride | ND | ug/L | 1.0 | 1 | | 10/04/18 16:49 | 56-23-5 | |
| Chlorobenzene | ND | ug/L | 1.0 | 1 | | 10/04/18 16:49 | 108-90-7 | |
| Chloroethane | ND | ug/L | 1.0 | 1 | | 10/04/18 16:49 | 75-00-3 | |
| Chloroform | ND | ug/L | 4.0 | 1 | | 10/04/18 16:49 | 67-66-3 | |
| Chioromethane | ND | ug/L | 4.0 | 1 | | 10/04/18 16:49 | 14-81-3 | |
| Dibromochloromethane | ND | ug/L | 1.0 | 1 | | 10/04/18 16:49 | 124-48-1 | |
| Dibromomethane | ND | ug/L | 4.0 | 1 | | 10/04/18 16:49 | 74-95-3 | |
| Dichlorodifluoromethane | ND | ug/L | 1.0 | 1 | | 10/04/18 16:49 | 75-71-8 | |
| Diethyl ether (Ethyl ether) | ND | ug/L | 4.0 | 1 | | 10/04/18 16:49 | 60-29-7 | |
| Ethylbenzene | ND | ug/L | 1.0 | 1 | | 10/04/18 16:49 | 100-41-4 | |


Project: 062175-05A-03 PCC-Kent

Pace Project No.: 10449537

| Sample: MW-7 | Lab ID: 104 | 49537004 | Collected: 09/24/1 | 8 11:01 | Received: 09 | 0/28/18 10:00 N | latrix: Water | |
|---------------------------|-----------------|-------------|--------------------|---------|--------------|-----------------|---------------|------|
| Parameters | Results | Units | Report Limit | DF | Prepared | Analyzed | CAS No. | Qual |
| 8260B VOC | Analytical Meth | nod: EPA 82 | 260B | | | | | |
| Hexachloro-1,3-butadiene | ND | ug/L | 1.0 | 1 | | 10/04/18 16:49 | 87-68-3 | |
| Isopropylbenzene (Cumene) | ND | ug/L | 1.0 | 1 | | 10/04/18 16:49 | 98-82-8 | |
| Methyl-tert-butyl ether | ND | ug/L | 1.0 | 1 | | 10/04/18 16:49 | 1634-04-4 | |
| Methylene Chloride | ND | ug/L | 4.0 | 1 | | 10/04/18 16:49 | 75-09-2 | |
| Naphthalene | ND | ug/L | 4.0 | 1 | | 10/04/18 16:49 | 91-20-3 | |
| Styrene | ND | ug/L | 1.0 | 1 | | 10/04/18 16:49 | 100-42-5 | |
| Tetrachloroethene | ND | ug/L | 1.0 | 1 | | 10/04/18 16:49 | 127-18-4 | |
| Tetrahydrofuran | ND | ug/L | 10.0 | 1 | | 10/04/18 16:49 | 109-99-9 | |
| Toluene | ND | ug/L | 1.0 | 1 | | 10/04/18 16:49 | 108-88-3 | |
| Trichloroethene | ND | ug/L | 0.40 | 1 | | 10/04/18 16:49 | 79-01-6 | |
| Trichlorofluoromethane | ND | ug/L | 1.0 | 1 | | 10/04/18 16:49 | 75-69-4 | |
| Vinyl chloride | ND | ug/L | 0.20 | 1 | | 10/04/18 16:49 | 75-01-4 | |
| Xylene (Total) | ND | ug/L | 3.0 | 1 | | 10/04/18 16:49 | 1330-20-7 | |
| cis-1,2-Dichloroethene | ND | ug/L | 1.0 | 1 | | 10/04/18 16:49 | 156-59-2 | |
| cis-1,3-Dichloropropene | ND | ug/L | 4.0 | 1 | | 10/04/18 16:49 | 10061-01-5 | |
| n-Butylbenzene | ND | ug/L | 1.0 | 1 | | 10/04/18 16:49 | 104-51-8 | |
| n-Propylbenzene | ND | ug/L | 1.0 | 1 | | 10/04/18 16:49 | 103-65-1 | |
| p-Isopropyltoluene | ND | ug/L | 1.0 | 1 | | 10/04/18 16:49 | 99-87-6 | |
| sec-Butylbenzene | ND | ug/L | 1.0 | 1 | | 10/04/18 16:49 | 135-98-8 | |
| tert-Butylbenzene | ND | ug/L | 1.0 | 1 | | 10/04/18 16:49 | 98-06-6 | |
| trans-1,2-Dichloroethene | ND | ug/L | 1.0 | 1 | | 10/04/18 16:49 | 156-60-5 | |
| trans-1,3-Dichloropropene | ND | ug/L | 4.0 | 1 | | 10/04/18 16:49 | 10061-02-6 | |
| Surrogates | | - | | | | | | |
| 1,2-Dichloroethane-d4 (S) | 102 | %. | 75-125 | 1 | | 10/04/18 16:49 | 17060-07-0 | |
| Toluene-d8 (S) | 99 | %. | 75-125 | 1 | | 10/04/18 16:49 | 2037-26-5 | |
| 4-Bromofluorobenzene (S) | 101 | %. | 75-125 | 1 | | 10/04/18 16:49 | 460-00-4 | |



Project: 062175-05A-03 PCC-Kent

Pace Project No.: 10449537

| Sample: MW-9 | Lab ID: 104 | 49537005 | Collected: 09/24/1 | 8 12:4 | 4 Received: 09 | /28/18 10:00 N | latrix: Water | |
|--------------------------------|-----------------|-------------|---------------------|----------|----------------|----------------|---------------|------|
| Parameters | Results | Units | Report Limit | DF | Prepared | Analyzed | CAS No. | Qual |
| 6010D MET ICP, Lab Filtered | Analytical Meth | nod: EPA 60 | 010D Preparation Me | ethod: E | EPA 3010 | | | |
| Arsenic, Dissolved | ND | ug/L | 20.0 | 1 | 10/02/18 13:20 | 10/03/18 16:50 | 7440-38-2 | |
| 8260B VOC | Analytical Meth | nod: EPA 82 | 260B | | | | | |
| 1,1,1,2-Tetrachloroethane | ND | ug/L | 1.0 | 1 | | 10/04/18 17:06 | 630-20-6 | |
| 1,1,1-Trichloroethane | ND | ug/L | 1.0 | 1 | | 10/04/18 17:06 | 71-55-6 | |
| 1,1,2,2-Tetrachloroethane | ND | ug/L | 1.0 | 1 | | 10/04/18 17:06 | 79-34-5 | |
| 1,1,2-Trichloroethane | ND | ug/L | 1.0 | 1 | | 10/04/18 17:06 | 79-00-5 | |
| 1,1,2-Trichlorotrifluoroethane | ND | ug/L | 1.0 | 1 | | 10/04/18 17:06 | 76-13-1 | |
| 1,1-Dichloroethane | ND | ug/L | 1.0 | 1 | | 10/04/18 17:06 | 75-34-3 | |
| 1,1-Dichloroethene | ND | ug/L | 1.0 | 1 | | 10/04/18 17:06 | 75-35-4 | |
| 1,1-Dichloropropene | ND | ug/L | 1.0 | 1 | | 10/04/18 17:06 | 563-58-6 | |
| 1,2,3-Trichlorobenzene | ND | ug/L | 1.0 | 1 | | 10/04/18 17:06 | 87-61-6 | |
| 1,2,3-Trichloropropane | ND | ug/L | 4.0 | 1 | | 10/04/18 17:06 | 96-18-4 | |
| 1,2,4-Trichlorobenzene | ND | ug/L | 1.0 | 1 | | 10/04/18 17:06 | 120-82-1 | |
| 1,2,4-Trimethylbenzene | ND | ug/L | 1.0 | 1 | | 10/04/18 17:06 | 95-63-6 | |
| 1,2-Dibromo-3-chloropropane | ND | ug/L | 4.0 | 1 | | 10/04/18 17:06 | 96-12-8 | |
| 1,2-Dibromoethane (EDB) | ND | ug/L | 1.0 | 1 | | 10/04/18 17:06 | 106-93-4 | |
| 1,2-Dichlorobenzene | ND | ug/L | 1.0 | 1 | | 10/04/18 17:06 | 95-50-1 | |
| 1,2-Dichloroethane | ND | ug/L | 1.0 | 1 | | 10/04/18 17:06 | 107-06-2 | |
| 1,2-Dichloropropane | ND | ug/L | 4.0 | 1 | | 10/04/18 17:06 | 78-87-5 | |
| 1,3,5-Trimethylbenzene | ND | ug/L | 1.0 | 1 | | 10/04/18 17:06 | 108-67-8 | |
| 1,3-Dichlorobenzene | ND | ug/L | 1.0 | 1 | | 10/04/18 17:06 | 541-73-1 | |
| 1,3-Dichloropropane | ND | ug/L | 1.0 | 1 | | 10/04/18 17:06 | 142-28-9 | |
| 1,4-Dichlorobenzene | ND | ug/L | 1.0 | 1 | | 10/04/18 17:06 | 106-46-7 | |
| 2,2-Dichloropropane | ND | ug/L | 4.0 | 1 | | 10/04/18 17:06 | 594-20-7 | |
| 2-Butanone (MEK) | ND | ug/L | 5.0 | 1 | | 10/04/18 17:06 | 78-93-3 | |
| 2-Chlorotoluene | ND | ug/L | 1.0 | 1 | | 10/04/18 17:06 | 95-49-8 | |
| 4-Chlorotoluene | ND | ua/L | 1.0 | 1 | | 10/04/18 17:06 | 106-43-4 | |
| 4-Methyl-2-pentanone (MIBK) | ND | ua/L | 5.0 | 1 | | 10/04/18 17:06 | 108-10-1 | |
| Acetone | ND | ua/L | 20.0 | 1 | | 10/04/18 17:06 | 67-64-1 | |
| Allvl chloride | ND | ua/L | 4.0 | 1 | | 10/04/18 17:06 | 107-05-1 | |
| Benzene | ND | ua/L | 1.0 | 1 | | 10/04/18 17:06 | 71-43-2 | |
| Bromobenzene | ND | ua/L | 1.0 | 1 | | 10/04/18 17:06 | 108-86-1 | |
| Bromochloromethane | ND | ua/l | 1.0 | 1 | | 10/04/18 17:06 | 74-97-5 | |
| Bromodichloromethane | ND | ug/L | 1.0 | 1 | | 10/04/18 17:06 | 75-27-4 | |
| Bromoform | ND | ug/L | 4.0 | 1 | | 10/04/18 17:06 | 75-25-2 | |
| Bromomethane | ND | ug/L | 4.0 | 1 | | 10/04/18 17:06 | 74-83-9 | |
| Carbon tetrachloride | ND | ug/L | 1.0 | 1 | | 10/04/18 17:06 | 56-23-5 | |
| Chlorobenzene | | ug/L | 1.0 | 1 | | 10/04/18 17:06 | 108-90-7 | |
| Chloroethane | | ug/L | 1.0 | 1 | | 10/04/18 17:06 | 75-00-3 | |
| Chloroform | | ug/L | 4.0 | 1 | | 10/04/18 17:06 | 67-66-3 | |
| Chloromethane | | ug/L | 4.0 | 1 | | 10/04/18 17:06 | 74-87-3 | |
| Dibromochloromethane | | ug/L | 4.0 1 0 | 1 | | 10/04/18 17:06 | 124_48_1 | |
| Dibromomethane | | ug/L | 1.0 | 1 | | 10/04/19 17:00 | 74-95 2 | |
| Diploredifueromethese | | ug/∟ | 4.0 | 1 | | 10/04/10 17:00 | 75 71 9 | |
| | | ug/L | 1.0 | 1 | | | 60 20 7 | |
| | | ug/L | 4.0 | 1 | | 10/04/10 17:00 | 100 44 4 | |
| Eurypenzene | ND | ug/L | 1.0 | 1 | | 10/04/18 17:06 | 100-41-4 | |



Project: 062175-05A-03 PCC-Kent

Pace Project No.: 10449537

| Sample: MW-9 | Lab ID: 104 | 49537005 | Collected: 09/24/1 | 8 12:44 | Received: 09 | /28/18 10:00 N | latrix: Water | |
|---------------------------|-----------------|-------------|--------------------|---------|--------------|----------------|---------------|------|
| Parameters | Results | Units | Report Limit | DF | Prepared | Analyzed | CAS No. | Qual |
| 8260B VOC | Analytical Meth | nod: EPA 82 | 260B | | | | | |
| Hexachloro-1,3-butadiene | ND | ug/L | 1.0 | 1 | | 10/04/18 17:06 | 87-68-3 | |
| Isopropylbenzene (Cumene) | ND | ug/L | 1.0 | 1 | | 10/04/18 17:06 | 98-82-8 | |
| Methyl-tert-butyl ether | ND | ug/L | 1.0 | 1 | | 10/04/18 17:06 | 1634-04-4 | |
| Methylene Chloride | ND | ug/L | 4.0 | 1 | | 10/04/18 17:06 | 75-09-2 | |
| Naphthalene | ND | ug/L | 4.0 | 1 | | 10/04/18 17:06 | 91-20-3 | |
| Styrene | ND | ug/L | 1.0 | 1 | | 10/04/18 17:06 | 100-42-5 | |
| Tetrachloroethene | ND | ug/L | 1.0 | 1 | | 10/04/18 17:06 | 127-18-4 | |
| Tetrahydrofuran | ND | ug/L | 10.0 | 1 | | 10/04/18 17:06 | 109-99-9 | |
| Toluene | ND | ug/L | 1.0 | 1 | | 10/04/18 17:06 | 108-88-3 | |
| Trichloroethene | ND | ug/L | 0.40 | 1 | | 10/04/18 17:06 | 79-01-6 | |
| Trichlorofluoromethane | ND | ug/L | 1.0 | 1 | | 10/04/18 17:06 | 75-69-4 | |
| Vinyl chloride | 0.43 | ug/L | 0.20 | 1 | | 10/04/18 17:06 | 75-01-4 | |
| Xylene (Total) | ND | ug/L | 3.0 | 1 | | 10/04/18 17:06 | 1330-20-7 | |
| cis-1,2-Dichloroethene | ND | ug/L | 1.0 | 1 | | 10/04/18 17:06 | 156-59-2 | |
| cis-1,3-Dichloropropene | ND | ug/L | 4.0 | 1 | | 10/04/18 17:06 | 10061-01-5 | |
| n-Butylbenzene | ND | ug/L | 1.0 | 1 | | 10/04/18 17:06 | 104-51-8 | |
| n-Propylbenzene | ND | ug/L | 1.0 | 1 | | 10/04/18 17:06 | 103-65-1 | |
| p-lsopropyltoluene | ND | ug/L | 1.0 | 1 | | 10/04/18 17:06 | 99-87-6 | |
| sec-Butylbenzene | ND | ug/L | 1.0 | 1 | | 10/04/18 17:06 | 135-98-8 | |
| tert-Butylbenzene | ND | ug/L | 1.0 | 1 | | 10/04/18 17:06 | 98-06-6 | |
| trans-1,2-Dichloroethene | ND | ug/L | 1.0 | 1 | | 10/04/18 17:06 | 156-60-5 | |
| trans-1,3-Dichloropropene | ND | ug/L | 4.0 | 1 | | 10/04/18 17:06 | 10061-02-6 | |
| Surrogates | | • | | | | | | |
| 1,2-Dichloroethane-d4 (S) | 102 | %. | 75-125 | 1 | | 10/04/18 17:06 | 17060-07-0 | |
| Toluene-d8 (S) | 99 | %. | 75-125 | 1 | | 10/04/18 17:06 | 2037-26-5 | |
| 4-Bromofluorobenzene (S) | 102 | %. | 75-125 | 1 | | 10/04/18 17:06 | 460-00-4 | |



Project: 062175-05A-03 PCC-Kent

Pace Project No.: 10449537

| Sample: TB-1 | Lab ID: 1044 | 49537006 | Collected: 09/24/1 | 8 12:00 | Received: 09/28/18 10:00 | Matrix: Water | |
|--------------------------------|-----------------|------------|--------------------|---------|--------------------------|---------------|------|
| Parameters | Results | Units | Report Limit | DF | Prepared Analyzed | CAS No. | Qual |
| 8260B VOC | Analytical Meth | od: EPA 82 | 260B | | | | |
| 1,1,1,2-Tetrachloroethane | ND | ug/L | 1.0 | 1 | 10/04/18 13 | :19 630-20-6 | |
| 1,1,1-Trichloroethane | ND | ug/L | 1.0 | 1 | 10/04/18 13 | :19 71-55-6 | |
| 1,1,2,2-Tetrachloroethane | ND | ug/L | 1.0 | 1 | 10/04/18 13 | :19 79-34-5 | |
| 1,1,2-Trichloroethane | ND | ug/L | 1.0 | 1 | 10/04/18 13 | :19 79-00-5 | |
| 1,1,2-Trichlorotrifluoroethane | ND | ug/L | 1.0 | 1 | 10/04/18 13 | :19 76-13-1 | |
| 1,1-Dichloroethane | ND | ug/L | 1.0 | 1 | 10/04/18 13 | :19 75-34-3 | |
| 1,1-Dichloroethene | ND | ug/L | 1.0 | 1 | 10/04/18 13 | :19 75-35-4 | |
| 1,1-Dichloropropene | ND | ug/L | 1.0 | 1 | 10/04/18 13 | :19 563-58-6 | |
| 1,2,3-Trichlorobenzene | ND | ug/L | 1.0 | 1 | 10/04/18 13 | :19 87-61-6 | |
| 1,2,3-Trichloropropane | ND | ug/L | 4.0 | 1 | 10/04/18 13 | :19 96-18-4 | |
| 1,2,4-Trichlorobenzene | ND | ug/L | 1.0 | 1 | 10/04/18 13 | :19 120-82-1 | |
| 1,2,4-Trimethylbenzene | ND | ug/L | 1.0 | 1 | 10/04/18 13 | :19 95-63-6 | |
| 1,2-Dibromo-3-chloropropane | ND | ug/L | 4.0 | 1 | 10/04/18 13 | :19 96-12-8 | |
| 1,2-Dibromoethane (EDB) | ND | ug/L | 1.0 | 1 | 10/04/18 13 | :19 106-93-4 | |
| 1,2-Dichlorobenzene | ND | ug/L | 1.0 | 1 | 10/04/18 13 | :19 95-50-1 | |
| 1,2-Dichloroethane | ND | ug/L | 1.0 | 1 | 10/04/18 13 | :19 107-06-2 | |
| 1,2-Dichloropropane | ND | ug/L | 4.0 | 1 | 10/04/18 13 | :19 78-87-5 | |
| 1,3,5-Trimethylbenzene | ND | ug/L | 1.0 | 1 | 10/04/18 13 | :19 108-67-8 | |
| 1,3-Dichlorobenzene | ND | ug/L | 1.0 | 1 | 10/04/18 13 | :19 541-73-1 | |
| 1,3-Dichloropropane | ND | ug/L | 1.0 | 1 | 10/04/18 13 | :19 142-28-9 | |
| 1,4-Dichlorobenzene | ND | ug/L | 1.0 | 1 | 10/04/18 13 | :19 106-46-7 | |
| 2,2-Dichloropropane | ND | ug/L | 4.0 | 1 | 10/04/18 13 | :19 594-20-7 | |
| 2-Butanone (MEK) | ND | ug/L | 5.0 | 1 | 10/04/18 13 | :19 78-93-3 | |
| 2-Chlorotoluene | ND | ug/L | 1.0 | 1 | 10/04/18 13 | :19 95-49-8 | |
| 4-Chlorotoluene | ND | ug/L | 1.0 | 1 | 10/04/18 13 | :19 106-43-4 | |
| 4-Methyl-2-pentanone (MIBK) | ND | ug/L | 5.0 | 1 | 10/04/18 13 | :19 108-10-1 | |
| Acetone | ND | ug/L | 20.0 | 1 | 10/04/18 13 | :19 67-64-1 | |
| Allyl chloride | ND | ug/L | 4.0 | 1 | 10/04/18 13 | :19 107-05-1 | |
| Benzene | ND | ug/L | 1.0 | 1 | 10/04/18 13 | :19 71-43-2 | |
| Bromobenzene | ND | ug/L | 1.0 | 1 | 10/04/18 13 | :19 108-86-1 | |
| Bromochloromethane | ND | ug/L | 1.0 | 1 | 10/04/18 13 | :19 74-97-5 | |
| Bromodichloromethane | ND | ug/L | 1.0 | 1 | 10/04/18 13 | :19 75-27-4 | |
| Bromoform | ND | ug/L | 4.0 | 1 | 10/04/18 13 | :19 75-25-2 | |
| Bromomethane | ND | ug/L | 4.0 | 1 | 10/04/18 13 | :19 74-83-9 | |
| Carbon tetrachloride | ND | ug/L | 1.0 | 1 | 10/04/18 13 | :19 56-23-5 | |
| Chlorobenzene | ND | ug/L | 1.0 | 1 | 10/04/18 13 | :19 108-90-7 | |
| Chloroethane | ND | ug/L | 1.0 | 1 | 10/04/18 13 | :19 75-00-3 | |
| Chloroform | ND | ug/L | 4.0 | 1 | 10/04/18 13 | :19 67-66-3 | |
| Chloromethane | ND | ug/L | 4.0 | 1 | 10/04/18 13 | :19 74-87-3 | |
| Dibromochloromethane | ND | ug/L | 1.0 | 1 | 10/04/18 13 | :19 124-48-1 | |
| Dibromomethane | ND | ug/L | 4.0 | 1 | 10/04/18 13 | :19 74-95-3 | |
| Dichlorodifluoromethane | ND | ug/L | 1.0 | 1 | 10/04/18 13 | :19 75-71-8 | |
| Diethyl ether (Ethyl ether) | ND | ug/L | 4.0 | 1 | 10/04/18 13 | :19 60-29-7 | |
| Ethylbenzene | ND | ug/L | 1.0 | 1 | 10/04/18 13 | :19 100-41-4 | |
| Hexachloro-1,3-butadiene | ND | ug/L | 1.0 | 1 | 10/04/18 13 | :19 87-68-3 | |
| Isopropylbenzene (Cumene) | ND | ug/L | 1.0 | 1 | 10/04/18 13 | :19 98-82-8 | |
| Methyl-tert-butyl ether | ND | ug/L | 1.0 | 1 | 10/04/18 13 | :19 1634-04-4 | |



Project: 062175-05A-03 PCC-Kent

Pace Project No.: 10449537

| Sample: TB-1 | Lab ID: 10 | 449537006 | Collected: 09/24/1 | 8 12:00 | Received: 09 | /28/18 10:00 N | latrix: Water | |
|---------------------------|---------------|--------------|--------------------|---------|--------------|----------------|---------------|------|
| Parameters | Results | Units | Report Limit | DF | Prepared | Analyzed | CAS No. | Qual |
| 8260B VOC | Analytical Me | thod: EPA 82 | 260B | | | | | |
| Methylene Chloride | ND | ug/L | 4.0 | 1 | | 10/04/18 13:19 | 75-09-2 | |
| Naphthalene | ND | ug/L | 4.0 | 1 | | 10/04/18 13:19 | 91-20-3 | |
| Styrene | ND | ug/L | 1.0 | 1 | | 10/04/18 13:19 | 100-42-5 | |
| Tetrachloroethene | ND | ug/L | 1.0 | 1 | | 10/04/18 13:19 | 127-18-4 | |
| Tetrahydrofuran | ND | ug/L | 10.0 | 1 | | 10/04/18 13:19 | 109-99-9 | |
| Toluene | ND | ug/L | 1.0 | 1 | | 10/04/18 13:19 | 108-88-3 | |
| Trichloroethene | ND | ug/L | 0.40 | 1 | | 10/04/18 13:19 | 79-01-6 | |
| Trichlorofluoromethane | ND | ug/L | 1.0 | 1 | | 10/04/18 13:19 | 75-69-4 | |
| Vinyl chloride | ND | ug/L | 0.20 | 1 | | 10/04/18 13:19 | 75-01-4 | |
| Xylene (Total) | ND | ug/L | 3.0 | 1 | | 10/04/18 13:19 | 1330-20-7 | |
| cis-1,2-Dichloroethene | ND | ug/L | 1.0 | 1 | | 10/04/18 13:19 | 156-59-2 | |
| cis-1,3-Dichloropropene | ND | ug/L | 4.0 | 1 | | 10/04/18 13:19 | 10061-01-5 | |
| n-Butylbenzene | ND | ug/L | 1.0 | 1 | | 10/04/18 13:19 | 104-51-8 | |
| n-Propylbenzene | ND | ug/L | 1.0 | 1 | | 10/04/18 13:19 | 103-65-1 | |
| p-Isopropyltoluene | ND | ug/L | 1.0 | 1 | | 10/04/18 13:19 | 99-87-6 | |
| sec-Butylbenzene | ND | ug/L | 1.0 | 1 | | 10/04/18 13:19 | 135-98-8 | |
| tert-Butylbenzene | ND | ug/L | 1.0 | 1 | | 10/04/18 13:19 | 98-06-6 | |
| trans-1,2-Dichloroethene | ND | ug/L | 1.0 | 1 | | 10/04/18 13:19 | 156-60-5 | |
| trans-1,3-Dichloropropene | ND | ug/L | 4.0 | 1 | | 10/04/18 13:19 | 10061-02-6 | |
| Surrogates | | - | | | | | | |
| 1,2-Dichloroethane-d4 (S) | 100 | %. | 75-125 | 1 | | 10/04/18 13:19 | 17060-07-0 | |
| Toluene-d8 (S) | 101 | %. | 75-125 | 1 | | 10/04/18 13:19 | 2037-26-5 | |
| 4-Bromofluorobenzene (S) | 102 | %. | 75-125 | 1 | | 10/04/18 13:19 | 460-00-4 | |



| Project: | 062175-05A-03 P | CC-Kent | | | | | | | | | | |
|--------------------|------------------|------------------|-------------|--------------|-----------|-------------------------|-----------|------------|-----------|-----|-----|------|
| Pace Project No.: | 10449537 | | | | | | | | | | | |
| QC Batch: | 565913 | | Analysis | s Method: | E | PA 6010D | | | | | | |
| QC Batch Method: | EPA 3010 | | Analysis | s Descriptio | on: 6 | 010D Water | Dissolved | | | | | |
| Associated Lab Sar | nples: 10449537 | 001, 10449537002 | , 104495370 | 03, 104495 | 537004, 1 | 10449537005 | | | | | | |
| METHOD BLANK: | 3070839 | | Ма | atrix: Wate | r | | | | | | | |
| Associated Lab Sar | nples: 10449537 | 001, 10449537002 | , 104495370 | 03, 104495 | 537004, 1 | 0449537005 | | | | | | |
| | | | Blank | Rep | porting | | | | | | | |
| Paran | neter | Units | Result | L | _imit | Analyz | ed | Qualifiers | | | | |
| Arsenic, Dissolved | | ug/L | | ND | 20.0 |) 10/03/18 [·] | 15:54 | | | | | |
| LABORATORY COI | NTROL SAMPLE: | 3070840 | | | | | | | | | | |
| | | | Spike | LCS | | LCS | % Rec | ; | | | | |
| Paran | neter | Units | Conc. | Result | | % Rec | Limits | Q | ualifiers | | | |
| Arsenic, Dissolved | | ug/L | 1000 | | 921 | 92 | 80 | -120 | | | | |
| MATRIX SPIKE & M | IATRIX SPIKE DUF | LICATE: 307084 | 41 | | 3070842 | | | | | | | |
| | | | MS | MSD | | | | | | | | |
| | | 10449089001 | Spike | Spike | MS | MSD | MS | MSD | % Rec | | Max | |
| Paramete | er Uni | ts Result | Conc. | Conc. | Result | Result | % Rec | % Rec | Limits | RPD | RPD | Qual |
| Arsenic, Dissolved | ug/ | L <3.8 | 1000 | 1000 | 981 | 981 | 98 | 98 | 75-125 | 0 | 20 | |

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.



Project: 062175-05A-03 PCC-Kent

Pace Project No.: 10449537

1 acc 1 10ject 10... 104400

| QC Batch: | 56717 | 71 | | Analysis Me | ethod: | EPA 8260B |
|---------------------|-------|--------------|--------------|--------------|-------------|----------------------------|
| QC Batch Method: | EPA 8 | 3260B | | Analysis De | escription: | 8260B MSV 465 W |
| Associated Lab Samp | oles: | 10449537001, | 10449537002, | 10449537003, | 10449537004 | , 10449537005, 10449537006 |

METHOD BLANK: 3077490

Matrix: Water

Associated Lab Samples: 10449537001, 10449537002, 10449537003, 10449537004, 10449537005, 10449537006

| | | Blank | Reporting | | |
|--------------------------------|-------|--------|-----------|----------------|------------|
| Parameter | Units | Result | Limit | Analyzed | Qualifiers |
| 1,1,1,2-Tetrachloroethane | ug/L | ND | 1.0 | 10/04/18 12:10 | |
| 1,1,1-Trichloroethane | ug/L | ND | 1.0 | 10/04/18 12:10 | |
| 1,1,2,2-Tetrachloroethane | ug/L | ND | 1.0 | 10/04/18 12:10 | |
| 1,1,2-Trichloroethane | ug/L | ND | 1.0 | 10/04/18 12:10 | |
| 1,1,2-Trichlorotrifluoroethane | ug/L | ND | 1.0 | 10/04/18 12:10 | |
| 1,1-Dichloroethane | ug/L | ND | 1.0 | 10/04/18 12:10 | |
| 1,1-Dichloroethene | ug/L | ND | 1.0 | 10/04/18 12:10 | |
| 1,1-Dichloropropene | ug/L | ND | 1.0 | 10/04/18 12:10 | |
| 1,2,3-Trichlorobenzene | ug/L | ND | 1.0 | 10/04/18 12:10 | |
| 1,2,3-Trichloropropane | ug/L | ND | 4.0 | 10/04/18 12:10 | |
| 1,2,4-Trichlorobenzene | ug/L | ND | 1.0 | 10/04/18 12:10 | |
| 1,2,4-Trimethylbenzene | ug/L | ND | 1.0 | 10/04/18 12:10 | |
| 1,2-Dibromo-3-chloropropane | ug/L | ND | 4.0 | 10/04/18 12:10 | |
| 1,2-Dibromoethane (EDB) | ug/L | ND | 1.0 | 10/04/18 12:10 | |
| 1,2-Dichlorobenzene | ug/L | ND | 1.0 | 10/04/18 12:10 | |
| 1,2-Dichloroethane | ug/L | ND | 1.0 | 10/04/18 12:10 | |
| 1,2-Dichloropropane | ug/L | ND | 4.0 | 10/04/18 12:10 | |
| 1,3,5-Trimethylbenzene | ug/L | ND | 1.0 | 10/04/18 12:10 | |
| 1,3-Dichlorobenzene | ug/L | ND | 1.0 | 10/04/18 12:10 | |
| 1,3-Dichloropropane | ug/L | ND | 1.0 | 10/04/18 12:10 | |
| 1,4-Dichlorobenzene | ug/L | ND | 1.0 | 10/04/18 12:10 | |
| 2,2-Dichloropropane | ug/L | ND | 4.0 | 10/04/18 12:10 | |
| 2-Butanone (MEK) | ug/L | ND | 5.0 | 10/04/18 12:10 | |
| 2-Chlorotoluene | ug/L | ND | 1.0 | 10/04/18 12:10 | |
| 4-Chlorotoluene | ug/L | ND | 1.0 | 10/04/18 12:10 | |
| 4-Methyl-2-pentanone (MIBK) | ug/L | ND | 5.0 | 10/04/18 12:10 | |
| Acetone | ug/L | ND | 20.0 | 10/04/18 12:10 | |
| Allyl chloride | ug/L | ND | 4.0 | 10/04/18 12:10 | |
| Benzene | ug/L | ND | 1.0 | 10/04/18 12:10 | |
| Bromobenzene | ug/L | ND | 1.0 | 10/04/18 12:10 | |
| Bromochloromethane | ug/L | ND | 1.0 | 10/04/18 12:10 | |
| Bromodichloromethane | ug/L | ND | 1.0 | 10/04/18 12:10 | |
| Bromoform | ug/L | ND | 4.0 | 10/04/18 12:10 | |
| Bromomethane | ug/L | ND | 4.0 | 10/04/18 12:10 | |
| Carbon tetrachloride | ug/L | ND | 1.0 | 10/04/18 12:10 | |
| Chlorobenzene | ug/L | ND | 1.0 | 10/04/18 12:10 | |
| Chloroethane | ug/L | ND | 1.0 | 10/04/18 12:10 | |
| Chloroform | ug/L | ND | 4.0 | 10/04/18 12:10 | MN |
| Chloromethane | ug/L | ND | 4.0 | 10/04/18 12:10 | |
| cis-1,2-Dichloroethene | ug/L | ND | 1.0 | 10/04/18 12:10 | |
| cis-1,3-Dichloropropene | ug/L | ND | 4.0 | 10/04/18 12:10 | |

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS



Project: 062175-05A-03 PCC-Kent

Pace Project No .: 10449537

METHOD BLANK: 3077490 Matrix: Water Associated Lab Samples: 10449537001, 10449537002, 10449537003, 10449537004, 10449537005, 10449537006 Blank Reporting Parameter Units Result Limit Analyzed Qualifiers Dibromochloromethane ug/L ND 1.0 10/04/18 12:10 Dibromomethane ND 10/04/18 12:10 ug/L 4.0 1.0 10/04/18 12:10 Dichlorodifluoromethane ND ug/L Diethyl ether (Ethyl ether) ND 4.0 10/04/18 12:10 ug/L Ethylbenzene ND 1.0 10/04/18 12:10 ug/L Hexachloro-1,3-butadiene ug/L ND 1.0 10/04/18 12:10 Isopropylbenzene (Cumene) ug/L ND 1.0 10/04/18 12:10 Methyl-tert-butyl ether ug/L ND 1.0 10/04/18 12:10 Methylene Chloride ug/L ND 4.0 10/04/18 12:10 n-Butylbenzene ND 1.0 10/04/18 12:10 ug/L n-Propylbenzene ug/L ND 1.0 10/04/18 12:10 Naphthalene ug/L ND 4.0 10/04/18 12:10 p-Isopropyltoluene ND 10/04/18 12:10 ug/L 1.0 sec-Butylbenzene ND 10/04/18 12:10 ug/L 1.0 ND Styrene ug/L 1.0 10/04/18 12:10 10/04/18 12:10 tert-Butylbenzene ug/L ND 1.0 Tetrachloroethene ug/L ND 1.0 10/04/18 12:10 Tetrahydrofuran ug/L ND 10.0 10/04/18 12:10 Toluene ug/L ND 1.0 10/04/18 12:10 trans-1,2-Dichloroethene ND 10/04/18 12:10 ug/L 1.0 trans-1,3-Dichloropropene ug/L ND 4.0 10/04/18 12:10 Trichloroethene ug/L ND 0.40 10/04/18 12:10 Trichlorofluoromethane ug/L ND 1.0 10/04/18 12:10 Vinyl chloride ug/L ND 0.20 10/04/18 12:10 Xylene (Total) ug/L ND 3.0 10/04/18 12:10 1,2-Dichloroethane-d4 (S) %. 100 75-125 10/04/18 12:10

%.

%.

LABORATORY CONTROL SAMPLE: 3077491

4-Bromofluorobenzene (S)

Toluene-d8 (S)

| | | Spike | LCS | LCS | % Rec | |
|--------------------------------|-------|-------|--------|-------|--------|------------|
| Parameter | Units | Conc. | Result | % Rec | Limits | Qualifiers |
| 1,1,1,2-Tetrachloroethane | ug/L | | 55.5 | 111 | 75-125 | E |
| 1,1,1-Trichloroethane | ug/L | 50 | 45.8 | 92 | 75-125 | |
| 1,1,2,2-Tetrachloroethane | ug/L | 50 | 52.1 | 104 | 75-129 | |
| 1,1,2-Trichloroethane | ug/L | 50 | 47.8 | 96 | 75-125 | |
| 1,1,2-Trichlorotrifluoroethane | ug/L | 50 | 46.4 | 93 | 74-125 | |
| 1,1-Dichloroethane | ug/L | 50 | 46.5 | 93 | 75-127 | |
| 1,1-Dichloroethene | ug/L | 50 | 47.7 | 95 | 73-125 | |
| 1,1-Dichloropropene | ug/L | 50 | 46.5 | 93 | 75-125 | |
| 1,2,3-Trichlorobenzene | ug/L | 50 | 45.9 | 92 | 74-126 | |
| 1,2,3-Trichloropropane | ug/L | 50 | 50.6 | 101 | 75-125 | |
| 1,2,4-Trichlorobenzene | ug/L | 50 | 48.4 | 97 | 75-125 | |
| 1,2,4-Trimethylbenzene | ug/L | 50 | 51.5 | 103 | 75-125 | |

100

100

75-125

75-125

10/04/18 12:10

10/04/18 12:10

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS



Project: 062175-05A-03 PCC-Kent

Pace Project No.: 10449537

LABORATORY CONTROL SAMPLE: 3077491

| | | Spike | LCS | LCS | % Rec | |
|-----------------------------|-------|-------|--------|-------|--------|------------|
| Parameter | Units | Conc. | Result | % Rec | Limits | Qualifiers |
| 1.2-Dibromo-3-chloropropane | ua/L | 125 | 118 | 94 | 64-129 | |
| 1,2-Dibromoethane (EDB) | ug/L | 50 | 45.1 | 90 | 75-125 | |
| 1,2-Dichlorobenzene | ug/L | 50 | 50.2 | 100 | 75-125 | |
| 1,2-Dichloroethane | ug/L | 50 | 44.0 | 88 | 74-125 | |
| 1,2-Dichloropropane | ug/L | 50 | 47.6 | 95 | 75-125 | |
| 1,3,5-Trimethylbenzene | ug/L | 50 | 52.6 | 105 | 75-125 | |
| 1,3-Dichlorobenzene | ug/L | 50 | 50.4 | 101 | 75-125 | |
| 1,3-Dichloropropane | ug/L | 50 | 51.3 | 103 | 75-125 | |
| 1,4-Dichlorobenzene | ug/L | 50 | 50.1 | 100 | 75-125 | |
| 2,2-Dichloropropane | ug/L | 50 | 52.3 | 105 | 70-125 | |
| 2-Butanone (MEK) | ug/L | 250 | 250 | 100 | 57-130 | |
| 2-Chlorotoluene | ug/L | 50 | 50.2 | 100 | 75-125 | |
| 4-Chlorotoluene | ug/L | 50 | 50.8 | 102 | 75-125 | |
| 4-Methyl-2-pentanone (MIBK) | ug/L | 250 | 262 | 105 | 69-137 | |
| Acetone | ug/L | 250 | 232 | 93 | 32-150 | |
| Allyl chloride | ug/L | 50 | 42.4 | 85 | 64-135 | |
| Benzene | ug/L | 50 | 46.0 | 92 | 75-126 | |
| Bromobenzene | ug/L | 50 | 48.3 | 97 | 75-125 | |
| Bromochloromethane | ug/L | 50 | 51.1 | 102 | 75-126 | |
| Bromodichloromethane | ug/L | 50 | 49.8 | 100 | 75-125 | |
| Bromoform | ug/L | 50 | 49.2 | 98 | 67-125 | |
| Bromomethane | ug/L | 50 | 39.1 | 78 | 30-150 | |
| Carbon tetrachloride | ug/L | 50 | 46.8 | 94 | 75-125 | |
| Chlorobenzene | ug/L | 50 | 47.3 | 95 | 75-125 | |
| Chloroethane | ug/L | 50 | 50.0 | 100 | 64-142 | |
| Chloroform | ug/L | 50 | 44.0 | 88 | 75-125 | |
| Chloromethane | ug/L | 50 | 47.2 | 94 | 40-150 | |
| cis-1,2-Dichloroethene | ug/L | 50 | 48.5 | 97 | 75-125 | |
| cis-1,3-Dichloropropene | ug/L | 50 | 50.9 | 102 | 75-125 | |
| Dibromochloromethane | ug/L | 50 | 48.9 | 98 | 75-125 | |
| Dibromomethane | ug/L | 50 | 48.8 | 98 | 75-125 | |
| Dichlorodifluoromethane | ug/L | 50 | 51.2 | 102 | 61-132 | |
| Diethyl ether (Ethyl ether) | ug/L | 50 | 47.0 | 94 | 74-125 | |
| Ethylbenzene | ug/L | 50 | 48.3 | 97 | 75-125 | |
| Hexachloro-1,3-butadiene | ug/L | 50 | 53.6 | 107 | 75-125 | |
| Isopropylbenzene (Cumene) | ug/L | 50 | 44.9 | 90 | 75-125 | |
| Methyl-tert-butyl ether | ug/L | 50 | 48.9 | 98 | 73-129 | |
| Methylene Chloride | ug/L | 50 | 42.9 | 86 | 72-125 | |
| n-Butylbenzene | ug/L | 50 | 49.0 | 98 | 75-125 | |
| n-Propylbenzene | ug/L | 50 | 52.4 | 105 | 75-125 | |
| Naphthalene | ug/L | 50 | 46.1 | 92 | 65-126 | |
| p-Isopropyltoluene | ug/L | 50 | 48.2 | 96 | 75-125 | |
| sec-Butylbenzene | ug/L | 50 | 47.5 | 95 | 75-125 | |
| Styrene | ug/L | 50 | 45.6 | 91 | 75-125 | |
| tert-Butylbenzene | ug/L | 50 | 52.9 | 106 | 75-125 | |
| Tetrachloroethene | ug/L | 50 | 45.5 | 91 | 75-125 | |
| Tetrahydrofuran | ug/L | 500 | 501 | 100 | 30-150 | |

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS



Project: 062175-05A-03 PCC-Kent

Pace Project No.: 10449537

LABORATORY CONTROL SAMPLE: 3077491

| | | | Spike | LCS | LCS | % Rec | |
|-----------------------|--------|-------|-------|--------|-------|--------|------------|
| Param | eter | Units | Conc. | Result | % Rec | Limits | Qualifiers |
| Toluene | | ug/L | 50 | 47.0 | 94 | 74-125 | |
| trans-1,2-Dichloroeth | ene | ug/L | 50 | 47.5 | 95 | 70-126 | |
| trans-1,3-Dichloropro | pene | ug/L | 50 | 52.5 | 105 | 75-125 | |
| Trichloroethene | | ug/L | 50 | 50.0 | 100 | 75-125 | |
| Trichlorofluorometha | ne | ug/L | 50 | 52.6 | 105 | 71-131 | |
| Vinyl chloride | | ug/L | 50 | 48.9 | 98 | 65-137 | |
| Xylene (Total) | | ug/L | 150 | 151 | 100 | 75-125 | |
| 1,2-Dichloroethane-d | 4 (S) | %. | | | 101 | 75-125 | |
| 4-Bromofluorobenzer | ne (S) | %. | | | 101 | 75-125 | |
| Toluene-d8 (S) | | %. | | | 101 | 75-125 | |

| MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3077597 307759 | | | | | | | | | | | | |
|---|-------|-------------|-------|-------|--------|--------|-------|-------|--------|-----|-----|-------|
| | | | MS | MSD | | | | | | | | |
| | | 10449391023 | Spike | Spike | MS | MSD | MS | MSD | % Rec | | Max | |
| Parameter | Units | Result | Conc. | Conc. | Result | Result | % Rec | % Rec | Limits | RPD | RPD | Qual |
| 1,1,1,2-Tetrachloroethane | ug/L | ND | 20 | 20 | 15.1 | 10.4 | 76 | 52 | 69-130 | 37 | 30 | M0,R1 |
| 1,1,1-Trichloroethane | ug/L | ND | 20 | 20 | 14.2 | 9.7 | 71 | 48 | 72-133 | 38 | 30 | M1,R1 |
| 1,1,2,2-Tetrachloroethane | ug/L | ND | 20 | 20 | 14.4 | 9.9 | 72 | 50 | 60-137 | 37 | 30 | M1,R1 |
| 1,1,2-Trichloroethane | ug/L | ND | 20 | 20 | 13.6 | 9.3 | 68 | 46 | 70-128 | 38 | 30 | M1,R1 |
| 1,1,2-Trichlorotrifluoroethane | ug/L | ND | 20 | 20 | 14.7 | 9.7 | 73 | 48 | 64-147 | 41 | 30 | M1,R1 |
| 1,1-Dichloroethane | ug/L | ND | 20 | 20 | 14.0 | 9.6 | 70 | 48 | 64-136 | 37 | 30 | M1,R1 |
| 1,1-Dichloroethene | ug/L | ND | 20 | 20 | 14.8 | 9.8 | 74 | 49 | 67-139 | 40 | 30 | M1,R1 |
| 1,1-Dichloropropene | ug/L | ND | 20 | 20 | 14.3 | 9.9 | 71 | 50 | 69-131 | 36 | 30 | M1,R1 |
| 1,2,3-Trichlorobenzene | ug/L | ND | 20 | 20 | 14.6 | 9.5 | 73 | 47 | 60-138 | 43 | 30 | M1,R1 |
| 1,2,3-Trichloropropane | ug/L | ND | 20 | 20 | 13.8 | 9.9 | 69 | 49 | 67-129 | 33 | 30 | M1,R1 |
| 1,2,4-Trichlorobenzene | ug/L | ND | 20 | 20 | 14.6 | 9.3 | 73 | 47 | 71-125 | 44 | 30 | M1,R1 |
| 1,2,4-Trimethylbenzene | ug/L | ND | 20 | 20 | 14.3 | 10.2 | 71 | 51 | 67-130 | 34 | 30 | M1,R1 |
| 1,2-Dibromo-3- | ug/L | ND | 50 | 50 | 33.5 | 23.0 | 67 | 46 | 52-141 | 37 | 30 | M1,R1 |
| chloropropane | | | | | | | | | | | | |
| 1,2-Dibromoethane (EDB) | ug/L | ND | 20 | 20 | 12.5 | 8.5 | 63 | 43 | 66-130 | 38 | 30 | M1,R1 |
| 1,2-Dichlorobenzene | ug/L | ND | 20 | 20 | 13.5 | 9.7 | 67 | 48 | 72-126 | 33 | 30 | M1,R1 |
| 1,2-Dichloroethane | ug/L | ND | 20 | 20 | 12.8 | 8.8 | 64 | 44 | 64-125 | 36 | 30 | M1,R1 |
| 1,2-Dichloropropane | ug/L | ND | 20 | 20 | 13.3 | 9.0 | 67 | 45 | 65-128 | 39 | 30 | M1,R1 |
| 1,3,5-Trimethylbenzene | ug/L | ND | 20 | 20 | 14.7 | 10.4 | 73 | 52 | 63-139 | 34 | 30 | M1,R1 |
| 1,3-Dichlorobenzene | ug/L | ND | 20 | 20 | 13.7 | 9.9 | 68 | 49 | 70-128 | 32 | 30 | M1,R1 |
| 1,3-Dichloropropane | ug/L | ND | 20 | 20 | 14.6 | 9.9 | 73 | 49 | 70-131 | 39 | 30 | M1,R1 |
| 1,4-Dichlorobenzene | ug/L | ND | 20 | 20 | 13.7 | 9.8 | 69 | 49 | 74-125 | 33 | 30 | M1,R1 |
| 2,2-Dichloropropane | ug/L | ND | 20 | 20 | 15.4 | 10.7 | 77 | 54 | 58-137 | 36 | 30 | M1,R1 |
| 2-Butanone (MEK) | ug/L | ND | 100 | 100 | 68.5 | 44.3 | 68 | 44 | 45-132 | 43 | 30 | M1,R1 |
| 2-Chlorotoluene | ug/L | ND | 20 | 20 | 13.9 | 10.1 | 69 | 51 | 66-134 | 31 | 30 | M1,R1 |
| 4-Chlorotoluene | ug/L | ND | 20 | 20 | 13.9 | 10.3 | 70 | 51 | 70-132 | 30 | 30 | M1 |
| 4-Methyl-2-pentanone (MIBK) | ug/L | ND | 100 | 100 | 72.6 | 48.9 | 73 | 49 | 54-143 | 39 | 30 | M1,R1 |
| Acetone | ug/L | ND | 100 | 100 | 70.8 | 51.4 | 71 | 51 | 51-150 | 32 | 30 | R1 |
| Allyl chloride | ug/L | ND | 20 | 20 | 13.0 | 8.9 | 65 | 45 | 52-150 | 37 | 30 | M1,R1 |
| Benzene | ug/L | ND | 20 | 20 | 13.7 | 9.3 | 68 | 46 | 62-140 | 38 | 30 | M1,R1 |

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS



Project: 062175-05A-03 PCC-Kent

Pace Project No.: 10449537

| MATRIX SPIKE & MATRIX SPI | KE DUPLI | CATE: 30775 | 97 | | 3077598 | | | | | | | |
|-----------------------------|----------|-----------------------|-------|---------------|--------------|--------|-------------|--------------|--------|-----|-----|-------|
| | | 40440004000 | MS | MSD | 140 | MOD | | MOD | 0/ D | | | |
| Doromotor | Linito | 10449391023 Recult | Spike | Spike Соро | MS Recult | MSD | MS % Rec | MSD % Ree | % Rec | חחם | Max | Qual |
| Falameter | | | | | | Kesuit | | 70 Kec | | | | Quai |
| Bromobenzene | ug/L | ND | 20 | 20 | 13.2 | 9.6 | 66 | 48 | 70-128 | 32 | 30 | M1,R1 |
| Bromochloromethane | ug/L | ND | 20 | 20 | 14.7 | 10.4 | 73 | 52 | 65-131 | 34 | 30 | M1,R1 |
| Bromodichloromethane | ug/L | ND | 20 | 20 | 13.9 | 9.2 | 70 | 46 | 74-127 | 41 | 30 | M1,R1 |
| Bromoform | ug/L | ND | 20 | 20 | 13.7 | 9.3 | 68 | 46 | 59-125 | 38 | 30 | M1,R1 |
| Bromomethane | ug/L | ND | 20 | 20 | 14.5 | 10.7 | 73 | 54 | 30-149 | 30 | 30 | |
| Carbon tetrachloride | ug/L | ND | 20 | 20 | 14.0 | 9.8 | 70 | 49 | 67-134 | 36 | 30 | M1,R1 |
| Chlorobenzene | ug/L | ND | 20 | 20 | 13.6 | 9.4 | 68 | 47 | 72-131 | 36 | 30 | M1,R1 |
| Chloroethane | ug/L | ND | 20 | 20 | 17.3 | 13.8 | 86 | 69 | 55-150 | 22 | 30 | |
| Chloroform | ug/L | ND | 20 | 20 | 12.7 | 8.4 | 64 | 42 | 67-125 | 40 | 30 | M1,R1 |
| Chloromethane | ug/L | ND | 20 | 20 | 15.6 | 11.6 | 78 | 58 | 43-148 | 30 | 30 | |
| cis-1,2-Dichloroethene | ug/L | 7.4 | 20 | 20 | 21.5 | 16.7 | 70 | 46 | 62-132 | 25 | 30 | M1 |
| cis-1,3-Dichloropropene | ug/L | ND | 20 | 20 | 13.8 | 9.2 | 69 | 46 | 63-129 | 40 | 30 | M1,R1 |
| Dibromochloromethane | ug/L | ND | 20 | 20 | 14.1 | 9.4 | 70 | 47 | 67-127 | 40 | 30 | M1,R1 |
| Dibromomethane | ug/L | ND | 20 | 20 | 13.6 | 9.4 | 68 | 47 | 68-132 | 37 | 30 | M1,R1 |
| Dichlorodifluoromethane | ug/L | ND | 20 | 20 | 16.4 | 12.1 | 82 | 60 | 59-144 | 30 | 30 | |
| Diethyl ether (Ethyl ether) | ug/L | ND | 20 | 20 | 13.9 | 8.9 | 70 | 44 | 52-139 | 44 | 30 | M1,R1 |
| Ethylbenzene | ug/L | ND | 20 | 20 | 14.0 | 9.7 | 70 | 48 | 75-131 | 37 | 30 | M1,R1 |
| Hexachloro-1,3-butadiene | ug/L | ND | 20 | 20 | 17.4 | 9.2 | 87 | 46 | 58-146 | 62 | 30 | M1,R1 |
| Isopropylbenzene (Cumene) | ug/L | ND | 20 | 20 | 12.9 | 9.5 | 65 | 48 | 71-132 | 30 | 30 | M1 |
| Methyl-tert-butyl ether | ug/L | ND | 20 | 20 | 14.2 | 9.5 | 70 | 46 | 65-130 | 40 | 30 | M1,R1 |
| Methylene Chloride | ug/L | ND | 20 | 20 | 13.1 | 9.2 | 66 | 46 | 66-125 | 35 | 30 | M1,R1 |
| n-Butylbenzene | ug/L | ND | 20 | 20 | 14.2 | 9.2 | 71 | 46 | 57-141 | 43 | 30 | M1,R1 |
| n-Propylbenzene | ug/L | ND | 20 | 20 | 14.4 | 10.3 | 72 | 52 | 70-131 | 33 | 30 | M1,R1 |
| Naphthalene | ug/L | ND | 20 | 20 | 14.1 | 9.9 | 71 | 49 | 48-134 | 35 | 30 | R1 |
| p-Isopropyltoluene | ug/L | ND | 20 | 20 | 14.0 | 9.5 | 70 | 47 | 66-136 | 38 | 30 | M1,R1 |
| sec-Butylbenzene | ug/L | ND | 20 | 20 | 13.6 | 9.4 | 68 | 47 | 69-134 | 37 | 30 | M1,R1 |
| Styrene | ug/L | ND | 20 | 20 | 12.9 | 9.3 | 64 | 47 | 65-134 | 32 | 30 | M1,R1 |
| tert-Butylbenzene | ug/L | ND | 20 | 20 | 14.8 | 10.4 | 74 | 52 | 71-130 | 35 | 30 | M1,R1 |
| Tetrachloroethene | ug/L | ND | 20 | 20 | 13.7 | 9.6 | 68 | 48 | 69-135 | 35 | 30 | M1,R1 |
| Tetrahydrofuran | ug/L | ND | 200 | 200 | 135 | 91.4 | 67 | 46 | 48-150 | 38 | 30 | M1,R1 |
| Toluene | ug/L | ND | 20 | 20 | 13.8 | 9.6 | 68 | 47 | 68-132 | 36 | 30 | M1,R1 |
| trans-1,2-Dichloroethene | ug/L | ND | 20 | 20 | 14.2 | 10.2 | 69 | 49 | 61-134 | 33 | 30 | M1,R1 |
| trans-1,3-Dichloropropene | ug/L | ND | 20 | 20 | 14.6 | 9.7 | 73 | 48 | 66-125 | 41 | 30 | M1,R1 |
| Trichloroethene | ug/L | 44.6 | 20 | 20 | 56.0 | 53.3 | 57 | 44 | 64-136 | 5 | 30 | M1 |
| Trichlorofluoromethane | ug/L | ND | 20 | 20 | 16.7 | 12.7 | 84 | 63 | 65-146 | 27 | 30 | M1 |
| Vinyl chloride | ug/L | ND | 20 | 20 | 15.5 | 11.5 | 77 | 58 | 51-150 | 29 | 30 | |
| Xylene (Total) | ug/L | ND | 60 | 60 | 43.2 | 30.1 | 72 | 50 | 69-135 | 36 | 30 | MS,RS |
| 1,2-Dichloroethane-d4 (S) | %. | | | | | | 100 | 99 | 75-125 | | | |
| 4-Bromofluorobenzene (S) | %. | | | | | | 100 | 101 | 75-125 | | | |
| Toluene-d8 (S) | %. | | | | | | 102 | 100 | 75-125 | | | |

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS



QUALIFIERS

Project: 062175-05A-03 PCC-Kent

Pace Project No.: 10449537

DEFINITIONS

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

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

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

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

S - Surrogate

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

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

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

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

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

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

TNI - The NELAC Institute.

LABORATORIES

PASI-M Pace Analytical Services - Minneapolis

ANALYTE QUALIFIERS

- E Analyte concentration exceeded the calibration range. The reported result is estimated.
- M0 Matrix spike recovery and/or matrix spike duplicate recovery was outside laboratory control limits.
- M1 Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.
- MN The reporting limit has been raised in accordance with Minnesota Statutes 4740.2100 Subpart 8. C, D. Reporting Limit Evaluation Rule.
- MS Analyte recovery in the matrix spike was outside QC limits for one or more of the constituent analytes used in the calculated result.
- R1 RPD value was outside control limits.
- RS The RPD value in one of the constituent analytes was outside the control limits.



METHOD CROSS REFERENCE TABLE

Project: 062175-05A-03 PCC-Kent Pace Project No.: 10449537

| Parameter | Matrix | Analytical Method | Preparation Method |
|-----------|--------|--------------------|--------------------|
| 8260B VOC | Water | SW-846 8260B/5030B | N/A |



QUALITY CONTROL DATA CROSS REFERENCE TABLE

 Project:
 062175-05A-03 PCC-Kent

 Pace Project No.:
 10449537

| Lab ID | Sample ID | QC Batch Method | QC Batch | Analytical Method | Analytical Batch |
|-------------|-----------|-----------------|----------|-------------------|---------------------|
| 10449537001 | MW-1 | EPA 3010 | 565913 | EPA 6010D | 566817 |
| 10449537002 | MW-3R | EPA 3010 | 565913 | EPA 6010D | 566817 |
| 10449537003 | MW-6 | EPA 3010 | 565913 | EPA 6010D | 566817 |
| 10449537004 | MW-7 | EPA 3010 | 565913 | EPA 6010D | 566817 |
| 10449537005 | MW-9 | EPA 3010 | 565913 | EPA 6010D | 566817 |
| 10449537001 | MW-1 | EPA 8260B | 567171 | | |
| 10449537002 | MW-3R | EPA 8260B | 567171 | | |
| 10449537003 | MW-6 | EPA 8260B | 567171 | | |
| 10449537004 | MW-7 | EPA 8260B | 567171 | | |
| 10449537005 | MW-9 | EPA 8260B | 567171 | | |
| 10449537006 | TB-1 | EPA 8260B | 567171 | | |

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| Section 22 | 8 Page 32 of 34 |
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| and the second se | Doc | ument Nar | me: | | Document Revise | d: 02May2018 | |
|---|--|--------------------------------------|------------------------------------|---|--|-------------------------------|--|
| Pace Analytical* | Sample Condi | tion Upon | Receipt | Form | Page 1 C | hority: | |
| | F-MI | N-L-213-re | v.23 | | Pace Minnesota C | Quality Office | |
| Sample Condition Upon Receipt | 2014 | Pro | oject #: | WO | #:1044 | 9537 | |
| | | Clier | nt | PM: J | MG Due | Date: 10/ | 05/18 |
| Commercial Tracking Number: <u>147596413657</u> | Other: | | | CLIEN | T: GHD_PCC Ae | ro | |
| Custody Seal on Cooler/Box Present? | No Se | eals intact | ? | es 🗌 No | Optional: Proj. C | Due Date: Pro | oj. Name: |
| Packing Material: Bubble Wrap | Bags None | □Oth | er: | <u></u> | Temp I | 3iank? 🔲 Yes | N o |
| Thermometer G87A9170600254 Used: G87A9155100842 | Туре | of ice: | Wet | Blue | None Dry | Melted | |
| Cooler Temp Read (°C): <u>\.</u> Cooler Tem | p Corrected (°C): | 1.4 | | Biol | ogical Tissue Frozen? | | NO PINA |
| Temp should be above freezing to 6°C Correction | n Factor: <u>イリ</u> | - 2 | Date a | nd Initials of | Person Examining Co | ntents: <u>N+J</u> | -M/ 60/ |
| Did samples originate in a quarantine zone within the Ur NC, NM, NY, OK, OR, SC, TN, TX or VA (check maps)? If Yes to either question, fill out | nited States: AL, Al a Regulated Soil | R, CA, FL, G. □Yes Checklist (| A, ID, LA. □ [F-MN-Q | MS, Did s Io inclu - 338) and incl | amples originate from a ding Hawaii and Puerto ude with SCUR/COC | foreign source (int Rico)? | ternationally, Yes |
| | | | | | COMME | NTS: | |
| Chain of Custody Present? | Yes | No | | 1. | | | |
| Chain of Custody Filled Out? | Yes | No | | 2. | · | | |
| Chain of Custody Relinquished? | Tes | No | | 3. | | | |
| Sampler Name and/or Signature on COC? | Tes | No | | 4. | | | |
| Samples Arrived within Hold Time? | Dres | | | 5. | | | |
| Short Hold Time Analysis (<72 hr)? | Yes | _ ∠ N∘ | · | 6. | | . <u></u> | |
| Rush Turn Around Time Requested? | ☐Yes | | | 7. | | | <u> </u> |
| Sufficient Volume? | Yes | No | | 8 | | · | |
| Correct Containers Used? | Yes | Νο | | 9. | | | |
| -Pace Containers Used? | | □No | | | | | |
| Containers Intact? | , es | No | | 10 | | | |
| Filtered Volume Received for Dissolved Tests? | Yes | No | | 11. Note if s | ediment is visible in th | e dissolved conta | iner |
| Is sufficient information available to reconcile the samp the COC? Matrix: | oles to Pres | No | | 12. | | | Desilities for Dec |
| All containers needing acid/base preservation have bee checked? All containers needing preservation are found to be in | en □Yes | □No 🍃 | | 13. [Sample # | HNO₃ H₂SO₄ | ☐ NaOH | Chlorine? Y N |
| compliance with EPA recommendation? (HNO ₃ , H ₂ SO ₄ , <2pH, NaOH >9 Sulfide, NaOH>12 Cyani Excentions: VOA, Coliform, TOC/DOC Oil and Grease, | de) 🗌 Yes | No | | Initial when | Lot | # of added | |
| DRO/8015 (water) and Dioxin/PFAS | Yes | | | completed: | pres | ervative: | |
| Headspace in VOA Vials (>6mm)? | Yes | No | | 14. See | exity- | 11010 | |
| Trip Blank Present? | ZYes | ⊡No □ | | 15. | 2 | | |
| Trip Blank Custody Seals Present? | L⊿¶es | ∐No | | <u>Ч</u> " | $\left \right\rangle$ | | |
| Pace Trip Blank Lot # (if purchased): | | | | | Field Data P | equired? | es 🗍 No |
| CLIENT NOTIFICATION/RESOLUTION | | | | Date/Time: | riciu Data N | | |
| Person Contacted: | | | | Date/ Hille: | | | ······································ |
| Comments/Resolution: | | | <u>,</u> | <u></u> | | _ | |
| = = = = | | | | | | | |
| Project Manager Review: | Enn | | - | Da | ite:10/0 | 1/18 | |
| Note: Whenever there is a discrepancy affecting North Ca | rolir UCNNI (C | | opy of this | form will be se | nt to the North Carolina | DEHNR Certification | on Office (i.e. out |
| hold, incorrect preservative, out of temp, incorrect contain | iers). | | | | | • • | 11. / |
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Page 33 of 34

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| Pace Analytical | Document Name Headspace Excer | e: Document Revised: 06Nov20 ption Page 1 of 1 | | | 2017 |
|-----------------|----------------------------------|---|--------------------|-----------------|-------------|
| | Document No.: F-MN-C-276-Re | nent Name: ce Exception Tee Exception ment No: -276-Rev.00 Headspace Headspace Headspace No Tot Pace Minesota Quality Office Tot Summers a Quality Office Tot Somm Headspace No Headspace No Tot Somm Co Som Co Co Som Co Som Co Som Co Co Co Co Co Co Co | ffice | | |
| Sample | e ID | Headspace > 6mm | Headspace < 6mm | No Headspace | Total Vials |
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Pace Analytical Services, LLC 1700 Elm Street - Suite 200 Minneapolis, MN 55414 (612)607-1700

January 09, 2019

Christina McClelland GHD Services, Inc. 20818 44th Ave W Suite 190 Lynnwood, WA 98036

RE: Project: 062175-05A-03 PCC Kent Pace Project No.: 10460485

Dear Christina McClelland:

Enclosed are the analytical results for sample(s) received by the laboratory on January 04, 2019. The results relate only to the samples included in this report. Results reported herein conform to the most current, applicable TNI/NELAC standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

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

Sincerely,

ENNI GROSS

Jennifer Gross jennifer.gross@pacelabs.com (206)957-2426 Project Manager

Enclosures

cc: Jeffrey Cloud, GHD Services Inc.





Pace Analytical Services, LLC 1700 Elm Street - Suite 200 Minneapolis, MN 55414 (612)607-1700

CERTIFICATIONS

Project: 062175-05A-03 PCC Kent Pace Project No.: 10460485

Minnesota Certification IDs

1700 Elm Street SE, Minneapolis, MN 55414-2485 A2LA Certification #: 2926.01 Alabama Certification #: 40770 Alaska Contaminated Sites Certification #: 17-009 Alaska DW Certification #: MN00064 Arizona Certification #: AZ0014 Arkansas DW Certification #: MN00064 Arkansas WW Certification #: 88-0680 California Certification #: 2929 CNMI Saipan Certification #: MP0003 Colorado Certification #: MN00064 Connecticut Certification #: PH-0256 EPA Region 8+Wyoming DW Certification #: via MN 027-053-137 Florida Certification #: E87605 Georgia Certification #: 959 Guam EPA Certification #: MN00064 Hawaii Certification #: MN00064 Idaho Certification #: MN00064 Illinois Certification #: 200011 Indiana Certification #: C-MN-01 Iowa Certification #: 368 Kansas Certification #: E-10167 Kentucky DW Certification #: 90062 Kentucky WW Certification #: 90062 Louisiana DEQ Certification #: 03086 Louisiana DW Certification #: MN00064 Maine Certification #: MN00064 Marvland Certification #: 322 Massachusetts Certification #: M-MN064 Michigan Certification #: 9909

Minnesota Certification #: 027-053-137 Minnesota Dept of Ag Certifcation #: via MN 027-053-137 Minnesota Petrofund Certification #: 1240 Mississippi Certification #: MN00064 Montana Certification #: CERT0092 Nebraska Certification #: NE-OS-18-06 Nevada Certification #: MN00064 New Hampshire Certification #: 2081 New Jersey Certification #: MN002 New York Certification #: 11647 North Carolina DW Certification #: 27700 North Carolina WW Certification #: 530 North Dakota Certification #: R-036 Ohio DW Certification #: 41244 Ohio VAP Certification #: CL101 Oklahoma Certification #: 9507 Oregon NwTPH Certification #: MN300001 Oregon Secondary Certification #: MN200001 Pennsylvania Certification #: 68-00563 Puerto Rico Certification #: MN00064 South Carolina Certification #:74003001 Tennessee Certification #: TN02818 Texas Certification #: T104704192 Utah Certification #: MN00064 Virginia Certification #: 460163 Washington Certification #: C486 West Virginia DW Certification #: 9952 C West Virginia DEP Certification #: 382 Wisconsin Certification #: 999407970 Wyoming UST Certification #: via A2LA 2926.01



SAMPLE SUMMARY

Project: 062175-05A-03 PCC Kent

Pace Project No.: 10460485

| Lab ID | Sample ID | Matrix | Date Collected | Date Received |
|-------------|-----------|--------|----------------|----------------|
| 10460485001 | MW-1 | Water | 12/31/18 07:45 | 01/04/19 09:50 |
| 10460485002 | MW-3R | Water | 12/31/18 08:17 | 01/04/19 09:50 |
| 10460485003 | MW-6 | Water | 12/31/18 09:18 | 01/04/19 09:50 |
| 10460485004 | MW-7 | Water | 12/31/18 09:51 | 01/04/19 09:50 |
| 10460485005 | MW-9 | Water | 12/31/18 08:46 | 01/04/19 09:50 |
| 10460485006 | TB-1 | Water | 12/31/18 07:30 | 01/04/19 09:50 |



SAMPLE ANALYTE COUNT

 Project:
 062175-05A-03 PCC Kent

 Pace Project No.:
 10460485

| Lab ID | Sample ID | Method | Analysts | Analytes Reported | Laboratory |
|-------------|-----------|-----------|----------|----------------------|------------|
| 10460485001 | MW-1 | EPA 6010D | DM | 1 | PASI-M |
| | | EPA 8260B | AEZ | 69 | PASI-M |
| 10460485002 | MW-3R | EPA 6010D | DM | 1 | PASI-M |
| | | EPA 8260B | AEZ | 69 | PASI-M |
| 10460485003 | MW-6 | EPA 6010D | DM | 1 | PASI-M |
| | | EPA 8260B | AEZ | 69 | PASI-M |
| 10460485004 | MW-7 | EPA 6010D | DM | 1 | PASI-M |
| | | EPA 8260B | AEZ | 69 | PASI-M |
| 10460485005 | MW-9 | EPA 6010D | DM | 1 | PASI-M |
| | | EPA 8260B | AEZ | 69 | PASI-M |
| 10460485006 | TB-1 | EPA 8260B | AEZ | 69 | PASI-M |



PROJECT NARRATIVE

Project: 062175-05A-03 PCC Kent

Pace Project No.: 10460485

Method: EPA 6010D

Description:6010D MET ICP, Lab FilteredClient:GHD_PCC AerostructuresDate:January 09, 2019

General Information:

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

Hold Time:

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

Sample Preparation:

The samples were prepared in accordance with EPA 3010 with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):

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

Continuing Calibration:

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

Method Blank:

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

Laboratory Control Spike:

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

Matrix Spikes:

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

Additional Comments:



PROJECT NARRATIVE

Project: 062175-05A-03 PCC Kent

Pace Project No.: 10460485

Method: EPA 8260B

Description:8260B VOCClient:GHD_PCC AerostructuresDate:January 09, 2019

General Information:

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

Hold Time:

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

Initial Calibrations (including MS Tune as applicable):

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

QC Batch: 584390

SS: This analyte did not meet the secondary source verification criteria for the initial calibration. The reported result should be considered an estimated value.

- LCS (Lab ID: 3166439)
 - Bromomethane
- MS (Lab ID: 3166561)
 - Bromomethane
- MSD (Lab ID: 3166562)
 - Bromomethane

Continuing Calibration:

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

Internal Standards:

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

Surrogates:

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

Method Blank:

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

Laboratory Control Spike:

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

Matrix Spikes:

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

Additional Comments:

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



Project: 062175-05A-03 PCC Kent

Pace Project No.: 10460485

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| | | | | | | | | |

| Sample: MW-1 | Lab ID: 104 | 60485001 | Collected: 12/31/7 | 18 07:45 | 6 Received: 01 | /04/19 09:50 N | latrix: Water | |
|--------------------------------|-----------------|-------------|---------------------|----------|----------------|----------------|---------------|------|
| Parameters | Results | Units | Report Limit | DF | Prepared | Analyzed | CAS No. | Qual |
| 6010D MET ICP, Lab Filtered | Analytical Meth | nod: EPA 60 | 010D Preparation Me | ethod: E | PA 3010 | | | |
| Arsenic, Dissolved | ND | ug/L | 20.0 | 1 | 01/08/19 05:48 | 01/08/19 12:03 | 7440-38-2 | |
| 8260B VOC | Analytical Meth | nod: EPA 82 | 260B | | | | | |
| 1,1,1,2-Tetrachloroethane | ND | ug/L | 1.0 | 1 | | 01/08/19 14:18 | 630-20-6 | |
| 1,1,1-Trichloroethane | ND | ug/L | 1.0 | 1 | | 01/08/19 14:18 | 71-55-6 | |
| 1,1,2,2-Tetrachloroethane | ND | ug/L | 1.0 | 1 | | 01/08/19 14:18 | 79-34-5 | |
| 1,1,2-Trichloroethane | ND | ug/L | 1.0 | 1 | | 01/08/19 14:18 | 79-00-5 | |
| 1,1,2-Trichlorotrifluoroethane | ND | ug/L | 1.0 | 1 | | 01/08/19 14:18 | 76-13-1 | |
| 1,1-Dichloroethane | ND | ug/L | 1.0 | 1 | | 01/08/19 14:18 | 75-34-3 | |
| 1,1-Dichloroethene | ND | ug/L | 1.0 | 1 | | 01/08/19 14:18 | 75-35-4 | |
| 1,1-Dichloropropene | ND | ug/L | 1.0 | 1 | | 01/08/19 14:18 | 563-58-6 | |
| 1,2,3-Trichlorobenzene | ND | ug/L | 1.0 | 1 | | 01/08/19 14:18 | 87-61-6 | |
| 1,2,3-Trichloropropane | ND | ug/L | 4.0 | 1 | | 01/08/19 14:18 | 96-18-4 | |
| 1,2,4-Trichlorobenzene | ND | ug/L | 1.0 | 1 | | 01/08/19 14:18 | 120-82-1 | |
| 1,2,4-Trimethylbenzene | ND | ug/L | 1.0 | 1 | | 01/08/19 14:18 | 95-63-6 | |
| 1,2-Dibromo-3-chloropropane | ND | ug/L | 10.0 | 1 | | 01/08/19 14:18 | 96-12-8 | |
| 1,2-Dibromoethane (EDB) | ND | ug/L | 1.0 | 1 | | 01/08/19 14:18 | 106-93-4 | |
| 1,2-Dichlorobenzene | ND | ug/L | 1.0 | 1 | | 01/08/19 14:18 | 95-50-1 | |
| 1.2-Dichloroethane | ND | ua/L | 1.0 | 1 | | 01/08/19 14:18 | 107-06-2 | |
| 1.2-Dichloropropane | ND | ua/L | 4.0 | 1 | | 01/08/19 14:18 | 78-87-5 | |
| 1.3.5-Trimethylbenzene | ND | ua/L | 1.0 | 1 | | 01/08/19 14:18 | 108-67-8 | |
| 1.3-Dichlorobenzene | ND | ua/L | 1.0 | 1 | | 01/08/19 14:18 | 541-73-1 | |
| 1.3-Dichloropropane | ND | ua/L | 1.0 | 1 | | 01/08/19 14:18 | 142-28-9 | |
| 1.4-Dichlorobenzene | ND | ug/l | 1.0 | 1 | | 01/08/19 14:18 | 106-46-7 | |
| 2 2-Dichloropropane | ND | ug/L | 4.0 | 1 | | 01/08/19 14 18 | 594-20-7 | |
| 2-Butanone (MEK) | ND | ug/L | 5.0 | 1 | | 01/08/19 14:18 | 78-93-3 | |
| 2-Chlorotoluene | | ug/L | 1.0 | 1 | | 01/08/19 14:18 | 95-49-8 | |
| | | ug/L | 1.0 | 1 | | 01/08/10 14:18 | 106-43-4 | |
| 4-Methyl-2-pentanone (MIBK) | | ug/L | 5.0 | 1 | | 01/08/19 14:18 | 108-10-1 | |
| | | ug/L | 20.0 | 1 | | 01/08/10 14:18 | 67.64.1 | |
| Allyl chlorido | | ug/L | 20.0 | 1 | | 01/08/19 14:18 | 107.05.1 | |
| Ronzono | | ug/L | 4.0 | 1 | | 01/08/19 14:18 | 71 /2 2 | |
| Bromohonzono | | ug/L | 1.0 | 1 | | 01/00/19 14.10 | 100 06 1 | |
| Bromachleremethene | | ug/L | 1.0 | 1 | | 01/00/19 14.10 | 74.07.5 | |
| Bromodiobloromothono | | ug/L | 1.0 | 1 | | 01/00/19 14.10 | 74-97-3 | |
| Bromotorm | | ug/L | 1.0 | 1 | | 01/06/19 14:18 | 75-27-4 | |
| Bromomothone | | ug/∟ | 4.0 | 1 | | 01/06/19 14:18 | 75-25-2 | |
| | | ug/L | 4.0 | 1 | | 01/06/19 14:18 | 74-63-9 | |
| Carbon tetrachioride | ND | ug/L | 1.0 | 1 | | 01/08/19 14:18 | 56-23-5 | |
| Chlorobenzene | ND | ug/L | 1.0 | 1 | | 01/08/19 14:18 | 108-90-7 | |
| Chloroethane | ND | ug/L | 1.0 | 1 | | 01/08/19 14:18 | 75-00-3 | |
| Chiorotorm | ND | ug/L | 1.0 | 1 | | 01/08/19 14:18 | 67-66-3 | |
| Chioromethane | ND | ug/L | 4.0 | 1 | | 01/08/19 14:18 | 14-81-3 | |
| Dibromochloromethane | ND | ug/L | 1.0 | 1 | | 01/08/19 14:18 | 124-48-1 | |
| Dibromomethane | ND | ug/L | 4.0 | 1 | | 01/08/19 14:18 | 74-95-3 | |
| Dichlorodifluoromethane | ND | ug/L | 1.0 | 1 | | 01/08/19 14:18 | 75-71-8 | |
| Diethyl ether (Ethyl ether) | ND | ug/L | 4.0 | 1 | | 01/08/19 14:18 | 60-29-7 | |
| Ethylbenzene | ND | ug/L | 1.0 | 1 | | 01/08/19 14:18 | 100-41-4 | |



Project: 062175-05A-03 PCC Kent

Pace Project No.: 10460485

| Sample: MW-1 | Lab ID: 10460485001 | | Collected: 12/31/1 | Collected: 12/31/18 07:45 | | 1/04/19 09:50 N | atrix: Water | |
|---------------------------|---------------------|-------------|--------------------|---------------------------|----------|-----------------|--------------|------|
| Parameters | Results | Units | Report Limit | DF | Prepared | Analyzed | CAS No. | Qual |
| 8260B VOC | Analytical Meth | nod: EPA 82 | 260B | | | | | |
| Hexachloro-1,3-butadiene | ND | ug/L | 1.0 | 1 | | 01/08/19 14:18 | 87-68-3 | |
| Isopropylbenzene (Cumene) | ND | ug/L | 1.0 | 1 | | 01/08/19 14:18 | 98-82-8 | |
| Methyl-tert-butyl ether | ND | ug/L | 1.0 | 1 | | 01/08/19 14:18 | 1634-04-4 | |
| Methylene Chloride | ND | ug/L | 4.0 | 1 | | 01/08/19 14:18 | 75-09-2 | |
| Naphthalene | ND | ug/L | 4.0 | 1 | | 01/08/19 14:18 | 91-20-3 | |
| Styrene | ND | ug/L | 1.0 | 1 | | 01/08/19 14:18 | 100-42-5 | |
| Tetrachloroethene | ND | ug/L | 1.0 | 1 | | 01/08/19 14:18 | 127-18-4 | |
| Tetrahydrofuran | ND | ug/L | 40.0 | 1 | | 01/08/19 14:18 | 109-99-9 | |
| Toluene | ND | ug/L | 1.0 | 1 | | 01/08/19 14:18 | 108-88-3 | |
| Trichloroethene | ND | ug/L | 0.40 | 1 | | 01/08/19 14:18 | 79-01-6 | |
| Trichlorofluoromethane | ND | ug/L | 1.0 | 1 | | 01/08/19 14:18 | 75-69-4 | |
| Vinyl chloride | ND | ug/L | 0.20 | 1 | | 01/08/19 14:18 | 75-01-4 | |
| Xylene (Total) | ND | ug/L | 3.0 | 1 | | 01/08/19 14:18 | 1330-20-7 | |
| cis-1,2-Dichloroethene | ND | ug/L | 1.0 | 1 | | 01/08/19 14:18 | 156-59-2 | |
| cis-1,3-Dichloropropene | ND | ug/L | 4.0 | 1 | | 01/08/19 14:18 | 10061-01-5 | |
| n-Butylbenzene | ND | ug/L | 1.0 | 1 | | 01/08/19 14:18 | 104-51-8 | |
| n-Propylbenzene | ND | ug/L | 1.0 | 1 | | 01/08/19 14:18 | 103-65-1 | |
| p-lsopropyltoluene | ND | ug/L | 1.0 | 1 | | 01/08/19 14:18 | 99-87-6 | |
| sec-Butylbenzene | ND | ug/L | 1.0 | 1 | | 01/08/19 14:18 | 135-98-8 | |
| tert-Butylbenzene | ND | ug/L | 1.0 | 1 | | 01/08/19 14:18 | 98-06-6 | |
| trans-1,2-Dichloroethene | ND | ug/L | 1.0 | 1 | | 01/08/19 14:18 | 156-60-5 | |
| trans-1,3-Dichloropropene | ND | ug/L | 4.0 | 1 | | 01/08/19 14:18 | 10061-02-6 | |
| Surrogates | | 0 | | | | | | |
| 1,2-Dichloroethane-d4 (S) | 98 | %. | 75-125 | 1 | | 01/08/19 14:18 | 17060-07-0 | |
| Toluene-d8 (S) | 103 | %. | 75-125 | 1 | | 01/08/19 14:18 | 2037-26-5 | |
| 4-Bromofluorobenzene (S) | 103 | %. | 75-125 | 1 | | 01/08/19 14:18 | 460-00-4 | |



Project: 062175-05A-03 PCC Kent

Pace Project No.: 10460485

| Sample: MW-3R | Lab ID: 104 | 60485002 | Collected: 12/31/1 | 8 08:1 | 7 Received: 01 | /04/19 09:50 N | latrix: Water | |
|--------------------------------|-----------------|--------------|--------------------|----------|----------------|----------------|---------------|------|
| Parameters | Results | Units | Report Limit | DF | Prepared | Analyzed | CAS No. | Qual |
| 6010D MET ICP, Lab Filtered | Analytical Meth | nod: EPA 60 | 10D Preparation Me | ethod: E | EPA 3010 | | | |
| Arsenic, Dissolved | ND | ug/L | 20.0 | 1 | 01/08/19 05:48 | 01/08/19 12:16 | 7440-38-2 | |
| 8260B VOC | Analytical Meth | nod: EPA 820 | 60B | | | | | |
| 1,1,1,2-Tetrachloroethane | ND | ug/L | 1.0 | 1 | | 01/08/19 14:34 | 630-20-6 | |
| 1,1,1-Trichloroethane | ND | ug/L | 1.0 | 1 | | 01/08/19 14:34 | 71-55-6 | |
| 1,1,2,2-Tetrachloroethane | ND | ug/L | 1.0 | 1 | | 01/08/19 14:34 | 79-34-5 | |
| 1,1,2-Trichloroethane | ND | ug/L | 1.0 | 1 | | 01/08/19 14:34 | 79-00-5 | |
| 1,1,2-Trichlorotrifluoroethane | ND | ug/L | 1.0 | 1 | | 01/08/19 14:34 | 76-13-1 | |
| 1,1-Dichloroethane | ND | ug/L | 1.0 | 1 | | 01/08/19 14:34 | 75-34-3 | |
| 1,1-Dichloroethene | 1.1 | ug/L | 1.0 | 1 | | 01/08/19 14:34 | 75-35-4 | |
| 1,1-Dichloropropene | ND | ug/L | 1.0 | 1 | | 01/08/19 14:34 | 563-58-6 | |
| 1,2,3-Trichlorobenzene | ND | ug/L | 1.0 | 1 | | 01/08/19 14:34 | 87-61-6 | |
| 1,2,3-Trichloropropane | ND | ug/L | 4.0 | 1 | | 01/08/19 14:34 | 96-18-4 | |
| 1,2,4-Trichlorobenzene | ND | ug/L | 1.0 | 1 | | 01/08/19 14:34 | 120-82-1 | |
| 1,2,4-Trimethylbenzene | ND | ug/L | 1.0 | 1 | | 01/08/19 14:34 | 95-63-6 | |
| 1,2-Dibromo-3-chloropropane | ND | ug/L | 10.0 | 1 | | 01/08/19 14:34 | 96-12-8 | |
| 1,2-Dibromoethane (EDB) | ND | ug/L | 1.0 | 1 | | 01/08/19 14:34 | 106-93-4 | |
| 1,2-Dichlorobenzene | ND | ug/L | 1.0 | 1 | | 01/08/19 14:34 | 95-50-1 | |
| 1,2-Dichloroethane | ND | ug/L | 1.0 | 1 | | 01/08/19 14:34 | 107-06-2 | |
| 1,2-Dichloropropane | ND | ug/L | 4.0 | 1 | | 01/08/19 14:34 | 78-87-5 | |
| 1,3,5-Trimethylbenzene | ND | ug/L | 1.0 | 1 | | 01/08/19 14:34 | 108-67-8 | |
| 1,3-Dichlorobenzene | ND | ug/L | 1.0 | 1 | | 01/08/19 14:34 | 541-73-1 | |
| 1,3-Dichloropropane | ND | ug/L | 1.0 | 1 | | 01/08/19 14:34 | 142-28-9 | |
| 1,4-Dichlorobenzene | ND | ug/L | 1.0 | 1 | | 01/08/19 14:34 | 106-46-7 | |
| 2,2-Dichloropropane | ND | ug/L | 4.0 | 1 | | 01/08/19 14:34 | 594-20-7 | |
| 2-Butanone (MEK) | ND | ug/L | 5.0 | 1 | | 01/08/19 14:34 | 78-93-3 | |
| 2-Chlorotoluene | ND | ug/L | 1.0 | 1 | | 01/08/19 14:34 | 95-49-8 | |
| 4-Chlorotoluene | ND | ug/L | 1.0 | 1 | | 01/08/19 14:34 | 106-43-4 | |
| 4-Methyl-2-pentanone (MIBK) | ND | ug/L | 5.0 | 1 | | 01/08/19 14:34 | 108-10-1 | |
| Acetone | ND | ug/L | 20.0 | 1 | | 01/08/19 14:34 | 67-64-1 | |
| Allyl chloride | ND | ug/L | 4.0 | 1 | | 01/08/19 14:34 | 107-05-1 | |
| Benzene | ND | ug/L | 1.0 | 1 | | 01/08/19 14:34 | 71-43-2 | |
| Bromobenzene | ND | ua/L | 1.0 | 1 | | 01/08/19 14:34 | 108-86-1 | |
| Bromochloromethane | ND | ua/L | 1.0 | 1 | | 01/08/19 14:34 | 74-97-5 | |
| Bromodichloromethane | ND | ua/L | 1.0 | 1 | | 01/08/19 14:34 | 75-27-4 | |
| Bromoform | ND | ua/L | 4.0 | 1 | | 01/08/19 14:34 | 75-25-2 | |
| Bromomethane | ND | ua/L | 4.0 | 1 | | 01/08/19 14:34 | 74-83-9 | |
| Carbon tetrachloride | ND | ua/L | 1.0 | 1 | | 01/08/19 14:34 | 56-23-5 | |
| Chlorobenzene | ND | ua/L | 1.0 | 1 | | 01/08/19 14:34 | 108-90-7 | |
| Chloroethane | ND | ua/l | 1.0 | 1 | | 01/08/19 14:34 | 75-00-3 | |
| Chloroform | ND | ug/l | 1.0 | 1 | | 01/08/19 14:34 | 67-66-3 | |
| Chloromethane | ND | ua/l | 4.0 | 1 | | 01/08/19 14:34 | 74-87-3 | |
| Dibromochloromethane | ND | ua/l | 1.0 | 1 | | 01/08/19 14:34 | 124-48-1 | |
| Dibromomethane | | ua/l | 4.0 | 1 | | 01/08/19 14:34 | 74-95-3 | |
| Dichlorodifluoromethane | | ug/L | 4.0 1 O | 1 | | 01/08/10 14.34 | 75-71-8 | |
| Diethyl ether (Ethyl ether) | ND | ug/L | 4.0 | 1 | | 01/08/19 14:34 | 60-29-7 | |
| Ethylbenzene | | ug/L | 4.0 | 1 | | 01/08/10 1/02/ | 100-41-4 | |
| | ND | uy/L | 1.0 | 1 | | 01/00/18 14.34 | 100-41-4 | |



Project: 062175-05A-03 PCC Kent

Pace Project No.: 10460485

| Sample: MW-3R | Lab ID: 10460485002 | | Collected: 12/31/1 | Collected: 12/31/18 08:17 | | Received: 01/04/19 09:50 Matrix: Water | | |
|---------------------------|---------------------|------------|--------------------|---------------------------|----------|--|------------|------|
| Parameters | Results | Units | Report Limit | DF | Prepared | Analyzed | CAS No. | Qual |
| 8260B VOC | Analytical Meth | od: EPA 82 | 260B | | | | | |
| Hexachloro-1,3-butadiene | ND | ug/L | 1.0 | 1 | | 01/08/19 14:34 | 87-68-3 | |
| Isopropylbenzene (Cumene) | ND | ug/L | 1.0 | 1 | | 01/08/19 14:34 | 98-82-8 | |
| Methyl-tert-butyl ether | ND | ug/L | 1.0 | 1 | | 01/08/19 14:34 | 1634-04-4 | |
| Methylene Chloride | ND | ug/L | 4.0 | 1 | | 01/08/19 14:34 | 75-09-2 | |
| Naphthalene | ND | ug/L | 4.0 | 1 | | 01/08/19 14:34 | 91-20-3 | |
| Styrene | ND | ug/L | 1.0 | 1 | | 01/08/19 14:34 | 100-42-5 | |
| Tetrachloroethene | ND | ug/L | 1.0 | 1 | | 01/08/19 14:34 | 127-18-4 | |
| Tetrahydrofuran | ND | ug/L | 40.0 | 1 | | 01/08/19 14:34 | 109-99-9 | |
| Toluene | ND | ug/L | 1.0 | 1 | | 01/08/19 14:34 | 108-88-3 | |
| Trichloroethene | ND | ug/L | 0.40 | 1 | | 01/08/19 14:34 | 79-01-6 | |
| Trichlorofluoromethane | ND | ug/L | 1.0 | 1 | | 01/08/19 14:34 | 75-69-4 | |
| Vinyl chloride | 0.75 | ug/L | 0.20 | 1 | | 01/08/19 14:34 | 75-01-4 | |
| Xylene (Total) | ND | ug/L | 3.0 | 1 | | 01/08/19 14:34 | 1330-20-7 | |
| cis-1,2-Dichloroethene | 3.8 | ug/L | 1.0 | 1 | | 01/08/19 14:34 | 156-59-2 | |
| cis-1,3-Dichloropropene | ND | ug/L | 4.0 | 1 | | 01/08/19 14:34 | 10061-01-5 | |
| n-Butylbenzene | ND | ug/L | 1.0 | 1 | | 01/08/19 14:34 | 104-51-8 | |
| n-Propylbenzene | ND | ug/L | 1.0 | 1 | | 01/08/19 14:34 | 103-65-1 | |
| p-lsopropyltoluene | ND | ug/L | 1.0 | 1 | | 01/08/19 14:34 | 99-87-6 | |
| sec-Butylbenzene | ND | ug/L | 1.0 | 1 | | 01/08/19 14:34 | 135-98-8 | |
| tert-Butylbenzene | ND | ug/L | 1.0 | 1 | | 01/08/19 14:34 | 98-06-6 | |
| trans-1,2-Dichloroethene | ND | ug/L | 1.0 | 1 | | 01/08/19 14:34 | 156-60-5 | |
| trans-1,3-Dichloropropene | ND | ug/L | 4.0 | 1 | | 01/08/19 14:34 | 10061-02-6 | |
| Surrogates | | • | | | | | | |
| 1,2-Dichloroethane-d4 (S) | 98 | %. | 75-125 | 1 | | 01/08/19 14:34 | 17060-07-0 | |
| Toluene-d8 (S) | 102 | %. | 75-125 | 1 | | 01/08/19 14:34 | 2037-26-5 | |
| 4-Bromofluorobenzene (S) | 104 | %. | 75-125 | 1 | | 01/08/19 14:34 | 460-00-4 | |



Project: 062175-05A-03 PCC Kent

Pace Project No.: 10460485

| Sample: MW-6 | Lab ID: 104 | 60485003 | Collected: 12/31/1 | 8 09:1 | 8 Received: 01 | /04/19 09:50 N | latrix: Water | |
|--------------------------------|-----------------|-------------|---------------------|----------|----------------|----------------|---------------|------|
| Parameters | Results | Units | Report Limit | DF | Prepared | Analyzed | CAS No. | Qual |
| 6010D MET ICP, Lab Filtered | Analytical Meth | nod: EPA 60 | 010D Preparation Me | ethod: E | EPA 3010 | | | |
| Arsenic, Dissolved | ND | ug/L | 20.0 | 1 | 01/08/19 05:48 | 01/08/19 12:17 | 7440-38-2 | |
| 8260B VOC | Analytical Meth | nod: EPA 82 | 260B | | | | | |
| 1,1,1,2-Tetrachloroethane | ND | ug/L | 1.0 | 1 | | 01/08/19 14:50 | 630-20-6 | |
| 1,1,1-Trichloroethane | ND | ug/L | 1.0 | 1 | | 01/08/19 14:50 | 71-55-6 | |
| 1,1,2,2-Tetrachloroethane | ND | ug/L | 1.0 | 1 | | 01/08/19 14:50 | 79-34-5 | |
| 1,1,2-Trichloroethane | ND | ug/L | 1.0 | 1 | | 01/08/19 14:50 | 79-00-5 | |
| 1,1,2-Trichlorotrifluoroethane | ND | ug/L | 1.0 | 1 | | 01/08/19 14:50 | 76-13-1 | |
| 1,1-Dichloroethane | ND | ug/L | 1.0 | 1 | | 01/08/19 14:50 | 75-34-3 | |
| 1,1-Dichloroethene | ND | ug/L | 1.0 | 1 | | 01/08/19 14:50 | 75-35-4 | |
| 1,1-Dichloropropene | ND | ug/L | 1.0 | 1 | | 01/08/19 14:50 | 563-58-6 | |
| 1,2,3-Trichlorobenzene | ND | ug/L | 1.0 | 1 | | 01/08/19 14:50 | 87-61-6 | |
| 1,2,3-Trichloropropane | ND | ug/L | 4.0 | 1 | | 01/08/19 14:50 | 96-18-4 | |
| 1,2,4-Trichlorobenzene | ND | ug/L | 1.0 | 1 | | 01/08/19 14:50 | 120-82-1 | |
| 1,2,4-Trimethylbenzene | ND | ug/L | 1.0 | 1 | | 01/08/19 14:50 | 95-63-6 | |
| 1,2-Dibromo-3-chloropropane | ND | ug/L | 10.0 | 1 | | 01/08/19 14:50 | 96-12-8 | |
| 1,2-Dibromoethane (EDB) | ND | ug/L | 1.0 | 1 | | 01/08/19 14:50 | 106-93-4 | |
| 1,2-Dichlorobenzene | ND | ug/L | 1.0 | 1 | | 01/08/19 14:50 | 95-50-1 | |
| 1.2-Dichloroethane | ND | ua/L | 1.0 | 1 | | 01/08/19 14:50 | 107-06-2 | |
| 1.2-Dichloropropane | ND | ua/L | 4.0 | 1 | | 01/08/19 14:50 | 78-87-5 | |
| 1.3.5-Trimethylbenzene | ND | ua/L | 1.0 | 1 | | 01/08/19 14:50 | 108-67-8 | |
| 1.3-Dichlorobenzene | ND | ua/L | 1.0 | 1 | | 01/08/19 14:50 | 541-73-1 | |
| 1.3-Dichloropropane | ND | ua/l | 1.0 | 1 | | 01/08/19 14:50 | 142-28-9 | |
| 1.4-Dichlorobenzene | ND | ua/l | 1.0 | 1 | | 01/08/19 14:50 | 106-46-7 | |
| 2 2-Dichloropropane | ND | ua/l | 4.0 | 1 | | 01/08/19 14:50 | 594-20-7 | |
| 2-Butanone (MEK) | ND | ug/L | 4.0 5 0 | 1 | | 01/08/19 14:50 | 78-93-3 | |
| 2-Chlorotoluene | ND | ug/L | 1.0 | 1 | | 01/08/19 14:50 | 95-49-8 | |
| | | ug/L | 1.0 | 1 | | 01/08/19 14:50 | 106-43-4 | |
| 4-Methyl-2-pentanone (MIBK) | | ug/L | 5.0 | 1 | | 01/08/19 14:50 | 108-10-1 | |
| Acetone | | ug/∟ | 20.0 | 1 | | 01/08/19 14:50 | 67-64-1 | |
| Allyl chloride | | ug/L | 20.0 | 1 | | 01/08/19 14:50 | 107-04-1 | |
| Benzene | | ug/∟ | 4.0 | 1 | | 01/08/19 14:50 | 71_/3_2 | |
| Bromohenzene | | ug/∟ | 1.0 | 1 | | 01/08/19 14:50 | 108-86-1 | |
| Bromochloromothana | | ug/∟ | 1.0 | 1 | | 01/08/19 14:50 | 74 07 5 | |
| Bromodiobloromothono | | ug/∟ | 1.0 | 1 | | 01/08/19 14:50 | 74-97-5 | |
| Bromoform | | ug/∟ | 1.0 | 1 | | 01/06/19 14:50 | 75-27-4 | |
| Bromomothone | | ug/∟ | 4.0 | 1 | | 01/00/19 14.50 | 73-23-2 | |
| | | ug/∟ | 4.0 | 1 | | 01/06/19 14:50 | 74-63-9 | |
| Carbon tetrachioride | ND | ug/∟ | 1.0 | 1 | | 01/08/19 14:50 | 56-23-5 | |
| Chlorobenzene | ND | ug/L | 1.0 | 1 | | 01/08/19 14:50 | 108-90-7 | |
| Chloroethane | ND | ug/L | 1.0 | 1 | | 01/08/19 14:50 | 75-00-3 | |
| Chloroform | ND | ug/L | 1.0 | 1 | | 01/08/19 14:50 | 67-66-3 | |
| Chioromethane | ND | ug/L | 4.0 | 1 | | 01/08/19 14:50 | 14-81-3 | |
| Dibromochloromethane | ND | ug/L | 1.0 | 1 | | 01/08/19 14:50 | 124-48-1 | |
| Dibromomethane | ND | ug/L | 4.0 | 1 | | 01/08/19 14:50 | 74-95-3 | |
| Dichlorodifluoromethane | ND | ug/L | 1.0 | 1 | | 01/08/19 14:50 | 75-71-8 | |
| Diethyl ether (Ethyl ether) | ND | ug/L | 4.0 | 1 | | 01/08/19 14:50 | 60-29-7 | |
| Ethylbenzene | ND | ug/L | 1.0 | 1 | | 01/08/19 14:50 | 100-41-4 | |



Project: 062175-05A-03 PCC Kent

Pace Project No.: 10460485

| Sample: MW-6 | Lab ID: 10460485003 | | Collected: 12/31/1 | Collected: 12/31/18 09:18 | | Received: 01/04/19 09:50 Matrix: Water | | |
|---------------------------|---------------------|-------------|--------------------|---------------------------|----------|--|------------|------|
| Parameters | Results | Units | Report Limit | DF | Prepared | Analyzed | CAS No. | Qual |
| 8260B VOC | Analytical Meth | nod: EPA 82 | 260B | | | | | |
| Hexachloro-1,3-butadiene | ND | ug/L | 1.0 | 1 | | 01/08/19 14:50 | 87-68-3 | |
| Isopropylbenzene (Cumene) | ND | ug/L | 1.0 | 1 | | 01/08/19 14:50 | 98-82-8 | |
| Methyl-tert-butyl ether | ND | ug/L | 1.0 | 1 | | 01/08/19 14:50 | 1634-04-4 | |
| Methylene Chloride | ND | ug/L | 4.0 | 1 | | 01/08/19 14:50 | 75-09-2 | |
| Naphthalene | ND | ug/L | 4.0 | 1 | | 01/08/19 14:50 | 91-20-3 | |
| Styrene | ND | ug/L | 1.0 | 1 | | 01/08/19 14:50 | 100-42-5 | |
| Tetrachloroethene | ND | ug/L | 1.0 | 1 | | 01/08/19 14:50 | 127-18-4 | |
| Tetrahydrofuran | ND | ug/L | 40.0 | 1 | | 01/08/19 14:50 | 109-99-9 | |
| Toluene | ND | ug/L | 1.0 | 1 | | 01/08/19 14:50 | 108-88-3 | |
| Trichloroethene | ND | ug/L | 0.40 | 1 | | 01/08/19 14:50 | 79-01-6 | |
| Trichlorofluoromethane | ND | ug/L | 1.0 | 1 | | 01/08/19 14:50 | 75-69-4 | |
| Vinyl chloride | ND | ug/L | 0.20 | 1 | | 01/08/19 14:50 | 75-01-4 | |
| Xylene (Total) | ND | ug/L | 3.0 | 1 | | 01/08/19 14:50 | 1330-20-7 | |
| cis-1,2-Dichloroethene | ND | ug/L | 1.0 | 1 | | 01/08/19 14:50 | 156-59-2 | |
| cis-1,3-Dichloropropene | ND | ug/L | 4.0 | 1 | | 01/08/19 14:50 | 10061-01-5 | |
| n-Butylbenzene | ND | ug/L | 1.0 | 1 | | 01/08/19 14:50 | 104-51-8 | |
| n-Propylbenzene | ND | ug/L | 1.0 | 1 | | 01/08/19 14:50 | 103-65-1 | |
| p-Isopropyltoluene | ND | ug/L | 1.0 | 1 | | 01/08/19 14:50 | 99-87-6 | |
| sec-Butylbenzene | ND | ug/L | 1.0 | 1 | | 01/08/19 14:50 | 135-98-8 | |
| tert-Butylbenzene | ND | ug/L | 1.0 | 1 | | 01/08/19 14:50 | 98-06-6 | |
| trans-1,2-Dichloroethene | ND | ug/L | 1.0 | 1 | | 01/08/19 14:50 | 156-60-5 | |
| trans-1,3-Dichloropropene | ND | ug/L | 4.0 | 1 | | 01/08/19 14:50 | 10061-02-6 | |
| Surrogates | | • | | | | | | |
| 1,2-Dichloroethane-d4 (S) | 99 | %. | 75-125 | 1 | | 01/08/19 14:50 | 17060-07-0 | |
| Toluene-d8 (S) | 103 | %. | 75-125 | 1 | | 01/08/19 14:50 | 2037-26-5 | |
| 4-Bromofluorobenzene (S) | 103 | %. | 75-125 | 1 | | 01/08/19 14:50 | 460-00-4 | |



Project: 062175-05A-03 PCC Kent

Pace Project No.: 10460485

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|-------------|--------|-----|---|----|-----|------|---|
| | | | | | | | |
| | | | | | | | |

| Sample: MW-7 | Lab ID: 10460485004 Collected: 12/31/18 09:51 Received: 01/04/19 09:50 Matrix: Water | | | | | | | |
|--------------------------------|--|------------|---------------------|----------|----------------|----------------|---------------------|------|
| | | | | | | | | |
| Parameters | Results | Units | Report Limit | DF | Prepared | Analyzed | CAS No. | Qual |
| 6010D MET ICP, Lab Filtered | Analytical Meth | od: EPA 60 | 010D Preparation Me | ethod: E | EPA 3010 | | | |
| Arsenic, Dissolved | ND | ug/L | 20.0 | 1 | 01/08/19 05:48 | 01/08/19 12:19 | 7440-38-2 | |
| 8260B VOC | Analytical Meth | od: EPA 82 | 260B | | | | | |
| 1,1,1,2-Tetrachloroethane | ND | ug/L | 1.0 | 1 | | 01/08/19 15:06 | 630-20-6 | |
| 1,1,1-Trichloroethane | ND | ug/L | 1.0 | 1 | | 01/08/19 15:06 | 71-55-6 | |
| 1,1,2,2-Tetrachloroethane | ND | ug/L | 1.0 | 1 | | 01/08/19 15:06 | 79-34-5 | |
| 1,1,2-Trichloroethane | ND | ug/L | 1.0 | 1 | | 01/08/19 15:06 | 79-00-5 | |
| 1,1,2-Trichlorotrifluoroethane | ND | ug/L | 1.0 | 1 | | 01/08/19 15:06 | 76-13-1 | |
| 1,1-Dichloroethane | ND | ug/L | 1.0 | 1 | | 01/08/19 15:06 | 75-34-3 | |
| 1,1-Dichloroethene | ND | ug/L | 1.0 | 1 | | 01/08/19 15:06 | 75-35-4 | |
| 1,1-Dichloropropene | ND | ug/L | 1.0 | 1 | | 01/08/19 15:06 | 563-58-6 | |
| 1,2,3-Trichlorobenzene | ND | ug/L | 1.0 | 1 | | 01/08/19 15:06 | 87-61-6 | |
| 1,2,3-Trichloropropane | ND | ug/L | 4.0 | 1 | | 01/08/19 15:06 | 96-18-4 | |
| 1,2,4-Trichlorobenzene | ND | ug/L | 1.0 | 1 | | 01/08/19 15:06 | 120-82-1 | |
| 1,2,4-Trimethylbenzene | ND | ug/L | 1.0 | 1 | | 01/08/19 15:06 | 95-63-6 | |
| 1,2-Dibromo-3-chloropropane | ND | ug/L | 10.0 | 1 | | 01/08/19 15:06 | 96-12-8 | |
| 1,2-Dibromoethane (EDB) | ND | ug/L | 1.0 | 1 | | 01/08/19 15:06 | 106-93-4 | |
| 1.2-Dichlorobenzene | ND | ua/L | 1.0 | 1 | | 01/08/19 15:06 | 95-50-1 | |
| 1.2-Dichloroethane | ND | ua/L | 1.0 | 1 | | 01/08/19 15:06 | 107-06-2 | |
| 1.2-Dichloropropane | ND | ug/l | 4.0 | 1 | | 01/08/19 15:06 | 78-87-5 | |
| 1.3.5-Trimethylbenzene | ND | ug/L | 1.0 | 1 | | 01/08/19 15:06 | 108-67-8 | |
| 1.3-Dichlorobenzene | ND | ug/L | 1.0 | 1 | | 01/08/19 15:06 | 541-73-1 | |
| 1.3-Dichloropropane | ND | ug/L | 1.0 | 1 | | 01/08/19 15:06 | 142-28-9 | |
| 1 A-Dichlorobenzene | ND | ug/L | 1.0 | 1 | | 01/08/19 15:06 | 106-46-7 | |
| 2 2-Dichloropropane | ND | ug/L | 4.0 | 1 | | 01/08/19 15:06 | 594-20-7 | |
| 2-Butanone (MEK) | ND | ug/L | 4.0 5.0 | 1 | | 01/08/19 15:06 | 78-93-3 | |
| 2 Chlorotoluono | | ug/L | 1.0 | 1 | | 01/08/10 15:06 | 05 10 8 | |
| | | ug/L | 1.0 | 1 | | 01/00/19 15:00 | 90-49-0 106 42 4 | |
| 4-Chlorotoldene | | ug/L | 1.0 | 1 | | 01/00/19 15:00 | 100-43-4 | |
| | ND | ug/L | 5.0 | 1 | | 01/06/19 15:06 | 106-10-1 | |
| Acetone | ND | ug/L | 20.0 | 1 | | 01/08/19 15:06 | 67-64-1 | |
| Aliyi chioride | ND | ug/L | 4.0 | 1 | | 01/08/19 15:06 | 107-05-1 | |
| Benzene | ND | ug/L | 1.0 | 1 | | 01/08/19 15:06 | 71-43-2 | |
| Bromobenzene | ND | ug/L | 1.0 | 1 | | 01/08/19 15:06 | 108-86-1 | |
| Bromochloromethane | ND | ug/L | 1.0 | 1 | | 01/08/19 15:06 | 74-97-5 | |
| Bromodichloromethane | ND | ug/L | 1.0 | 1 | | 01/08/19 15:06 | 75-27-4 | |
| Bromoform | ND | ug/L | 4.0 | 1 | | 01/08/19 15:06 | 75-25-2 | |
| Bromomethane | ND | ug/L | 4.0 | 1 | | 01/08/19 15:06 | 74-83-9 | |
| Carbon tetrachloride | ND | ug/L | 1.0 | 1 | | 01/08/19 15:06 | 56-23-5 | |
| Chlorobenzene | ND | ug/L | 1.0 | 1 | | 01/08/19 15:06 | 108-90-7 | |
| Chloroethane | ND | ug/L | 1.0 | 1 | | 01/08/19 15:06 | 75-00-3 | |
| Chloroform | ND | ug/L | 1.0 | 1 | | 01/08/19 15:06 | 67-66-3 | |
| Chloromethane | ND | ug/L | 4.0 | 1 | | 01/08/19 15:06 | 74-87-3 | |
| Dibromochloromethane | ND | ug/L | 1.0 | 1 | | 01/08/19 15:06 | 124-48-1 | |
| Dibromomethane | ND | ug/L | 4.0 | 1 | | 01/08/19 15:06 | 74-95-3 | |
| Dichlorodifluoromethane | ND | ug/L | 1.0 | 1 | | 01/08/19 15:06 | 75-71-8 | |
| Diethyl ether (Ethyl ether) | ND | ug/L | 4.0 | 1 | | 01/08/19 15:06 | 60-29-7 | |
| Ethylbenzene | ND | ug/L | 1.0 | 1 | | 01/08/19 15:06 | 100-41-4 | |



Project: 062175-05A-03 PCC Kent

Pace Project No.: 10460485

| Sample: MW-7 | Lab ID: 10460485004 | | Collected: 12/31/1 | Collected: 12/31/18 09:51 | | Received: 01/04/19 09:50 Matrix: Water | | |
|---------------------------|---------------------|-------------|--------------------|---------------------------|----------|--|------------|------|
| Parameters | Results | Units | Report Limit | DF | Prepared | Analyzed | CAS No. | Qual |
| 8260B VOC | Analytical Meth | nod: EPA 82 | 260B | | | | | |
| Hexachloro-1,3-butadiene | ND | ug/L | 1.0 | 1 | | 01/08/19 15:06 | 87-68-3 | |
| Isopropylbenzene (Cumene) | ND | ug/L | 1.0 | 1 | | 01/08/19 15:06 | 98-82-8 | |
| Methyl-tert-butyl ether | ND | ug/L | 1.0 | 1 | | 01/08/19 15:06 | 1634-04-4 | |
| Methylene Chloride | ND | ug/L | 4.0 | 1 | | 01/08/19 15:06 | 75-09-2 | |
| Naphthalene | ND | ug/L | 4.0 | 1 | | 01/08/19 15:06 | 91-20-3 | |
| Styrene | ND | ug/L | 1.0 | 1 | | 01/08/19 15:06 | 100-42-5 | |
| Tetrachloroethene | ND | ug/L | 1.0 | 1 | | 01/08/19 15:06 | 127-18-4 | |
| Tetrahydrofuran | ND | ug/L | 40.0 | 1 | | 01/08/19 15:06 | 109-99-9 | |
| Toluene | ND | ug/L | 1.0 | 1 | | 01/08/19 15:06 | 108-88-3 | |
| Trichloroethene | ND | ug/L | 0.40 | 1 | | 01/08/19 15:06 | 79-01-6 | |
| Trichlorofluoromethane | ND | ug/L | 1.0 | 1 | | 01/08/19 15:06 | 75-69-4 | |
| Vinyl chloride | ND | ug/L | 0.20 | 1 | | 01/08/19 15:06 | 75-01-4 | |
| Xylene (Total) | ND | ug/L | 3.0 | 1 | | 01/08/19 15:06 | 1330-20-7 | |
| cis-1,2-Dichloroethene | ND | ug/L | 1.0 | 1 | | 01/08/19 15:06 | 156-59-2 | |
| cis-1,3-Dichloropropene | ND | ug/L | 4.0 | 1 | | 01/08/19 15:06 | 10061-01-5 | |
| n-Butylbenzene | ND | ug/L | 1.0 | 1 | | 01/08/19 15:06 | 104-51-8 | |
| n-Propylbenzene | ND | ug/L | 1.0 | 1 | | 01/08/19 15:06 | 103-65-1 | |
| p-lsopropyltoluene | ND | ug/L | 1.0 | 1 | | 01/08/19 15:06 | 99-87-6 | |
| sec-Butylbenzene | ND | ug/L | 1.0 | 1 | | 01/08/19 15:06 | 135-98-8 | |
| tert-Butylbenzene | ND | ug/L | 1.0 | 1 | | 01/08/19 15:06 | 98-06-6 | |
| trans-1,2-Dichloroethene | ND | ug/L | 1.0 | 1 | | 01/08/19 15:06 | 156-60-5 | |
| trans-1,3-Dichloropropene | ND | ug/L | 4.0 | 1 | | 01/08/19 15:06 | 10061-02-6 | |
| Surrogates | | • | | | | | | |
| 1,2-Dichloroethane-d4 (S) | 99 | %. | 75-125 | 1 | | 01/08/19 15:06 | 17060-07-0 | |
| Toluene-d8 (S) | 103 | %. | 75-125 | 1 | | 01/08/19 15:06 | 2037-26-5 | |
| 4-Bromofluorobenzene (S) | 100 | %. | 75-125 | 1 | | 01/08/19 15:06 | 460-00-4 | |



Project: 062175-05A-03 PCC Kent

Pace Project No.: 10460485

| Sample: MW-9 | Lab ID: 1 | 0460485005 | Collected: | 12/31/1 | 8 08:46 | Received: 01 | /04/19 09:50 N | latrix: Water | |
|--------------------------------|--------------|----------------|------------|----------|-----------|----------------|----------------|---------------|------|
| Parameters | Results | Units | Repor | t Limit | DF | Prepared | Analyzed | CAS No. | Qual |
| | | | | | | | | | • |
| 6010D MET ICP, Lab Filtered | Analytical M | iethod: EPA 60 | TOD Prepar | ation we | elnou: Ef | -A 3010 | | | |
| Arsenic, Dissolved | ND | ug/L | | 20.0 | 1 | 01/08/19 05:48 | 01/08/19 12:21 | 7440-38-2 | |
| 8260B VOC | Analytical M | lethod: EPA 82 | 260B | | | | | | |
| 1,1,1,2-Tetrachloroethane | ND | ug/L | | 1.0 | 1 | | 01/08/19 15:22 | 630-20-6 | |
| 1,1,1-Trichloroethane | ND | ug/L | | 1.0 | 1 | | 01/08/19 15:22 | 71-55-6 | |
| 1,1,2,2-Tetrachloroethane | ND | ug/L | | 1.0 | 1 | | 01/08/19 15:22 | 79-34-5 | |
| 1,1,2-Trichloroethane | ND | ug/L | | 1.0 | 1 | | 01/08/19 15:22 | 79-00-5 | |
| 1,1,2-Trichlorotrifluoroethane | ND | ug/L | | 1.0 | 1 | | 01/08/19 15:22 | 76-13-1 | |
| 1,1-Dichloroethane | ND | ug/L | | 1.0 | 1 | | 01/08/19 15:22 | 75-34-3 | |
| 1,1-Dichloroethene | ND | ug/L | | 1.0 | 1 | | 01/08/19 15:22 | 75-35-4 | |
| 1,1-Dichloropropene | ND | ug/L | | 1.0 | 1 | | 01/08/19 15:22 | 563-58-6 | |
| 1,2,3-Trichlorobenzene | ND | ug/L | | 1.0 | 1 | | 01/08/19 15:22 | 87-61-6 | |
| 1,2,3-Trichloropropane | ND | ug/L | | 4.0 | 1 | | 01/08/19 15:22 | 96-18-4 | |
| 1.2.4-Trichlorobenzene | ND | ua/L | | 1.0 | 1 | | 01/08/19 15:22 | 120-82-1 | |
| 1.2.4-Trimethylbenzene | ND | ug/l | | 1.0 | 1 | | 01/08/19 15:22 | 95-63-6 | |
| 1.2-Dibromo-3-chloropropane | ND | ug/L | | 10.0 | 1 | | 01/08/19 15:22 | 96-12-8 | |
| 1 2-Dibromoethane (EDB) | ND | ug/L | | 1.0 | 1 | | 01/08/19 15:22 | 106-93-4 | |
| 1 2-Dichlorobenzene | ND | ug/L | | 1.0 | 1 | | 01/08/19 15:22 | 95-50-1 | |
| 1.2-Dichloroethane | | ug/L | | 1.0 | 1 | | 01/08/19 15:22 | 107-06-2 | |
| 1.2 Dichloropropapa | | ug/L | | 1.0 | 1 | | 01/00/10 15:22 | 79 97 5 | |
| 1.2.5 Trimethylbonzono | | ug/L | | 4.0 | 1 | | 01/00/19 15:22 | 109 67 9 | |
| 1.3 Dichlorobonzono | | ug/L | | 1.0 | 1 | | 01/00/19 15:22 | 5/1 72 1 | |
| | | ug/L | | 1.0 | 1 | | 01/00/19 15.22 | 142 29 0 | |
| | | ug/L | | 1.0 | 1 | | 01/00/19 15.22 | 142-20-9 | |
| 1,4-Dichlorobenzene | ND | ug/L | | 1.0 | 1 | | 01/08/19 15:22 | 106-46-7 | |
| | ND | ug/L | | 4.0 | 1 | | 01/08/19 15:22 | 594-20-7 | |
| 2-Butanone (MEK) | ND | ug/L | | 5.0 | 1 | | 01/08/19 15:22 | 78-93-3 | |
| 2-Chlorotoluene | ND | ug/L | | 1.0 | 1 | | 01/08/19 15:22 | 95-49-8 | |
| 4-Chlorotoluene | ND | ug/L | | 1.0 | 1 | | 01/08/19 15:22 | 106-43-4 | |
| 4-Methyl-2-pentanone (MIBK) | ND | ug/L | | 5.0 | 1 | | 01/08/19 15:22 | 108-10-1 | |
| Acetone | ND | ug/L | | 20.0 | 1 | | 01/08/19 15:22 | 67-64-1 | |
| Allyl chloride | ND | ug/L | | 4.0 | 1 | | 01/08/19 15:22 | 107-05-1 | |
| Benzene | ND | ug/L | | 1.0 | 1 | | 01/08/19 15:22 | 71-43-2 | |
| Bromobenzene | ND | ug/L | | 1.0 | 1 | | 01/08/19 15:22 | 108-86-1 | |
| Bromochloromethane | ND | ug/L | | 1.0 | 1 | | 01/08/19 15:22 | 74-97-5 | |
| Bromodichloromethane | ND | ug/L | | 1.0 | 1 | | 01/08/19 15:22 | 75-27-4 | |
| Bromoform | ND | ug/L | | 4.0 | 1 | | 01/08/19 15:22 | 75-25-2 | |
| Bromomethane | ND | ug/L | | 4.0 | 1 | | 01/08/19 15:22 | 74-83-9 | |
| Carbon tetrachloride | ND | ug/L | | 1.0 | 1 | | 01/08/19 15:22 | 56-23-5 | |
| Chlorobenzene | ND | ug/L | | 1.0 | 1 | | 01/08/19 15:22 | 108-90-7 | |
| Chloroethane | ND | ug/L | | 1.0 | 1 | | 01/08/19 15:22 | 75-00-3 | |
| Chloroform | ND | ug/L | | 1.0 | 1 | | 01/08/19 15:22 | 67-66-3 | |
| Chloromethane | ND | ua/L | | 4.0 | 1 | | 01/08/19 15:22 | 74-87-3 | |
| Dibromochloromethane | ND | ua/L | | 1.0 | 1 | | 01/08/19 15:22 | 124-48-1 | |
| Dibromomethane | ND | ug/l | | 4.0 | 1 | | 01/08/19 15:22 | 74-95-3 | |
| Dichlorodifluoromethane | | ug/L | | 1.0 | 1 | | 01/08/19 15:22 | 75-71-8 | |
| Diethyl ether (Ethyl ether) | | ug/L | | 4.0 | 1 | | 01/08/19 15:22 | 60-29-7 | |
| Ethylbenzene | | ug/L | | 1.0 | 1 | | 01/08/10 15:22 | 100-41-4 | |
| | ND | uy/L | | 1.0 | 1 | | 51/00/13 13.22 | 100 - 1-4 | |



Project: 062175-05A-03 PCC Kent

Pace Project No.: 10460485

| Sample: MW-9 | Lab ID: 104 | 60485005 | Collected: 12/31/1 | 8 08:46 | Received: 01 | 1/04/19 09:50 N | latrix: Water | |
|---------------------------|-----------------|-------------|--------------------|---------|--------------|-----------------|---------------|------|
| Parameters | Results | Units | Report Limit | DF | Prepared | Analyzed | CAS No. | Qual |
| 8260B VOC | Analytical Meth | nod: EPA 82 | 260B | | | | | |
| Hexachloro-1,3-butadiene | ND | ug/L | 1.0 | 1 | | 01/08/19 15:22 | 87-68-3 | |
| Isopropylbenzene (Cumene) | ND | ug/L | 1.0 | 1 | | 01/08/19 15:22 | 98-82-8 | |
| Methyl-tert-butyl ether | ND | ug/L | 1.0 | 1 | | 01/08/19 15:22 | 1634-04-4 | |
| Methylene Chloride | ND | ug/L | 4.0 | 1 | | 01/08/19 15:22 | 75-09-2 | |
| Naphthalene | ND | ug/L | 4.0 | 1 | | 01/08/19 15:22 | 91-20-3 | |
| Styrene | ND | ug/L | 1.0 | 1 | | 01/08/19 15:22 | 100-42-5 | |
| Tetrachloroethene | ND | ug/L | 1.0 | 1 | | 01/08/19 15:22 | 127-18-4 | |
| Tetrahydrofuran | ND | ug/L | 40.0 | 1 | | 01/08/19 15:22 | 109-99-9 | |
| Toluene | ND | ug/L | 1.0 | 1 | | 01/08/19 15:22 | 108-88-3 | |
| Trichloroethene | ND | ug/L | 0.40 | 1 | | 01/08/19 15:22 | 79-01-6 | |
| Trichlorofluoromethane | ND | ug/L | 1.0 | 1 | | 01/08/19 15:22 | 75-69-4 | |
| Vinyl chloride | 0.51 | ug/L | 0.20 | 1 | | 01/08/19 15:22 | 75-01-4 | |
| Xylene (Total) | ND | ug/L | 3.0 | 1 | | 01/08/19 15:22 | 1330-20-7 | |
| cis-1,2-Dichloroethene | ND | ug/L | 1.0 | 1 | | 01/08/19 15:22 | 156-59-2 | |
| cis-1,3-Dichloropropene | ND | ug/L | 4.0 | 1 | | 01/08/19 15:22 | 10061-01-5 | |
| n-Butylbenzene | ND | ug/L | 1.0 | 1 | | 01/08/19 15:22 | 104-51-8 | |
| n-Propylbenzene | ND | ug/L | 1.0 | 1 | | 01/08/19 15:22 | 103-65-1 | |
| p-lsopropyltoluene | ND | ug/L | 1.0 | 1 | | 01/08/19 15:22 | 99-87-6 | |
| sec-Butylbenzene | ND | ug/L | 1.0 | 1 | | 01/08/19 15:22 | 135-98-8 | |
| tert-Butylbenzene | ND | ug/L | 1.0 | 1 | | 01/08/19 15:22 | 98-06-6 | |
| trans-1,2-Dichloroethene | ND | ug/L | 1.0 | 1 | | 01/08/19 15:22 | 156-60-5 | |
| trans-1,3-Dichloropropene | ND | ug/L | 4.0 | 1 | | 01/08/19 15:22 | 10061-02-6 | |
| Surrogates | | Ū | | | | | | |
| 1,2-Dichloroethane-d4 (S) | 102 | %. | 75-125 | 1 | | 01/08/19 15:22 | 17060-07-0 | |
| Toluene-d8 (S) | 101 | %. | 75-125 | 1 | | 01/08/19 15:22 | 2037-26-5 | |
| 4-Bromofluorobenzene (S) | 101 | %. | 75-125 | 1 | | 01/08/19 15:22 | 460-00-4 | |



Project: 062175-05A-03 PCC Kent

Pace Project No.: 10460485

| Parameters Results Units Report Limit DF Prepared Analyzed CAS No. Qual 8208 VOC Analytical Method: EPA 82608 Image: Comparison of the comparis | Sample: TB-1 | Lab ID: 1040 | Lab ID: 10460485006 Collected: 12/31/18 07:30 Received: 01/04/19 09:50 Mat | | | | atrix: Water | | |
|--|--------------------------------|-----------------|--|--------------|----|-----------------|--------------|-----------|------|
| Besob VOC Analytical Method: EPA 82008 1,1,1 - Tartkrahlkroshhane ND ug/L 1.0 1 0108/19 1258 78-36-6 1,1,1 - Trichkoroethane ND ug/L 1.0 1 0108/19 1258 78-36-5 1,1,2 - Trichkoroethane ND ug/L 1.0 1 0108/19 1258 78-34-5 1,1,2 - Trichkoroethane ND ug/L 1.0 1 0108/19 1258 75-34-3 1,1 - Dichkoroethane ND ug/L 1.0 1 0108/19 1258 75-34-3 1,1 - Dichkoroethane ND ug/L 1.0 1 0108/19 1258 87-61-6 1,2 - Trichkoroethane ND ug/L 1.0 1 0108/19 1258 86-12-8 1,2 - Trichkoroethane ND ug/L 1.0 1 0108/19 1258 96-12-8 1,2 - Trichkoroethane ND ug/L 1.0 1 0108/19 12-58 96-12-8 1,2 - Trichkoroethane ND ug/L 1.0 1 0108/19 12-58 96-36-1 | Parameters | Results | Units | Report Limit | DF | Prepared Analyz | ed | CAS No. | Qual |
| 1,1,2 ND ugL 1,0 1 00/09/19 1258 75.36 1,1,2:Trichoroethane ND ugL 1.0 1 01/08/19 1258 75.34.5 1,1,2:Trichoroethane ND ugL 1.0 1 01/08/19 1258 75.34.3 1,1,2:Trichoroethane ND ugL 1.0 1 01/08/19 1258 75.34.3 1,1-Dichoroethane ND ugL 1.0 1 01/08/19 1258 75.34.3 1,1-Dichoroethane ND ugL 1.0 1 01/08/19 1258 75.34.4 1,1-Dichoroethane ND ugL 1.0 1 01/08/19 1258 87.41.6 1,2-Dichoros-Schoropropane ND ugL 1.0 1 01/08/19 1258 86.12.8 1,2-Dichoros-Schoropropane ND ugL 1.0 1 01/08/19 1258 86.47.3 1,2-Dichoros-Schoropropane ND ugL 1.0 1 01/08/19 1258 16.47.3 1,2-Dichoros-Schoropropane ND ugL 1.0 <td>8260B VOC</td> <td>Analytical Meth</td> <td>od: EPA 82</td> <td>260B</td> <td></td> <td></td> <td></td> <td></td> <td></td> | 8260B VOC | Analytical Meth | od: EPA 82 | 260B | | | | | |
| 1,1,1-Tichloroethane ND ug/L 1.0 1 01/08/19 12:85 71:56-6 1,1,2-Trichloroethane ND ug/L 1.0 1 01/08/19 12:85 73:45-5 1,1,2-Trichloroethane ND ug/L 1.0 1 01/08/19 12:85 75:34-3 1,1-Dichloropthene ND ug/L 1.0 1 01/08/19 12:85 75:35-4 1,1-Dichloroptopene ND ug/L 1.0 1 01/08/19 12:85 87:63-6 1,2,3-Trichloroptopane ND ug/L 1.0 1 01/08/19 12:85 87:63-6 1,2-Dichromotypopane ND ug/L 1.0 1 01/08/19 12:58 95:63-6 1,2-Dichromotybytenzene ND ug/L 1.0 1 01/08/19 12:58 95:63-6 1,2-Dichromotybytenzene ND ug/L 1.0 1 01/08/19 12:58 95:63-6 1,2-Dichrootypopane ND ug/L 1.0 1 01/08/19 12:58 95:63-6 1,2-Dichrootypopane ND </td <td>1,1,1,2-Tetrachloroethane</td> <td>ND</td> <td>ug/L</td> <td>1.0</td> <td>1</td> <td>01/08/19</td> <td>12:58</td> <td>630-20-6</td> <td></td> | 1,1,1,2-Tetrachloroethane | ND | ug/L | 1.0 | 1 | 01/08/19 | 12:58 | 630-20-6 | |
| 1,1,2,2-Tickinocethane ND ugL 1.0 1 01/08/19 12:58 79:34-5 1,1,2-Tickinocothulocoethane ND ugL 1.0 1 01/08/19 12:58 75:35-4 1,1-Dickinocethane ND ugL 1.0 1 01/08/19 12:58 75:35-4 1,1-Dickinocethane ND ugL 1.0 1 01/08/19 12:58 75:35-4 1,1-Dickinocethane ND ugL 1.0 1 01/08/19 12:58 87:64-3 1,2-Tickinobezne ND ugL 1.0 1 01/08/19 12:58 87:64-6 1,2-A-Tickinobeznene ND ugL 1.0 1 01/08/19 12:58 87:64-6 1,2-A-Tickinobeznene ND ugL 1.0 1 01/08/19 12:58 16:83-4 1,2-Dichiorobenzene ND ugL 1.0 1 01/08/19 12:58 16:83-4 1,2-Dichiorobenzene ND ugL 1.0 1 01/08/19 12:58 16:43-4 1,2-Dichiorobenzene ND ugL 1.0 1 01/08/19 12:58 16:45-8 1,2-Dichiorobenzene | 1,1,1-Trichloroethane | ND | ug/L | 1.0 | 1 | 01/08/19 | 12:58 | 71-55-6 | |
| 1,1,2-Trichlorothrane ND ug/L 1.0 1 01/08/19 12:58 76-04-5 1,1-Dichlorothrane ND ug/L 1.0 1 01/08/19 12:58 75-34-3 1,1-Dichlorothrane ND ug/L 1.0 1 01/08/19 12:58 75-34-3 1,1-Dichlorothrane ND ug/L 1.0 1 01/08/19 12:58 563-58-6 1,2-S-Trichlorothenzene ND ug/L 1.0 1 01/08/19 12:58 563-68-6 1,2-A-Trincthylbrenzene ND ug/L 1.0 1 01/08/19 12:58 563-6 1,2-Dichlorothane (EDB) ND ug/L 1.0 1 01/08/19 12:58 563-6 1,2-Dichlorothane (EDB) ND ug/L 1.0 1 01/08/19 12:58 563-6 1,2-Dichlorothane (EDB) ND ug/L 1.0 1 01/08/19 12:58 563-6 1,2-Dichlorothane (EDB) ND ug/L 1.0 1 01/08/19 12:58 563-6 1,2-Dichlorothane (EDB) ND ug/L 1.0 1 01/08/19 12:58 564-78 1,2-Di | 1,1,2,2-Tetrachloroethane | ND | ug/L | 1.0 | 1 | 01/08/19 | 12:58 | 79-34-5 | |
| 1,1,2-Trichlorotrilluoreshane ND ug/L 1.0 1 0108/19 12:58 75-34-3 1,1-Dichloroshene ND ug/L 1.0 1 0108/19 12:58 75-34-3 1,1-Dichloroshene ND ug/L 1.0 1 0108/19 12:58 75-36-4 1,2-3-Trichloropropane ND ug/L 1.0 1 0108/19 12:58 75-36-4 1,2-3-Trichloropropane ND ug/L 1.0 1 0108/19 12:58 95-63-6 1,2-4-Trichloropherzene ND ug/L 1.0 1 0108/19 12:58 95-63-6 1,2-Dichlorosharzene ND ug/L 1.0 1 0108/19 12:58 160-35-4 1,2-Dichlorosharzene ND ug/L 1.0 1 0108/19 12:58 160-35-5 1,2-Dichlorosharzene ND ug/L 1.0 1 0108/19 12:58 162-35 1,2-Dichlorosharzene ND ug/L 1.0 1 0108/19 12:58 164-37 1,2-Dichlorosharzene ND ug/L 1.0 1 0108/19 12:58 164-34 1,2-Dichlorosha | 1,1,2-Trichloroethane | ND | ug/L | 1.0 | 1 | 01/08/19 | 12:58 | 79-00-5 | |
| 1.1-Dichlorestenane ND ug/L 1.0 1 01/08/19 12:58 75-34-3 1.1-Dichloroptopene ND ug/L 1.0 1 01/08/19 12:58 75-35-4 1.1-Dichloroptopane ND ug/L 1.0 1 01/08/19 12:58 95-36-6 1.2.3-Trichloroptopane ND ug/L 1.0 1 01/08/19 12:58 95-63-6 1.2.4-Trinethylbenzene ND ug/L 1.0 1 01/08/19 12:58 95-63-6 1.2-Dichloroptopane ND ug/L 1.0 1 01/08/19 12:58 16-63-4 1.2-Dichloroptopane ND ug/L 1.0 1 01/08/19 12:58 16-63-7 1.3-Dichlorobenzene ND ug/L 1.0 1 01/08/19 12:58 16-43-7 1.3-Dichlorobenzen | 1,1,2-Trichlorotrifluoroethane | ND | ug/L | 1.0 | 1 | 01/08/19 | 12:58 | 76-13-1 | |
| 1.1-Dichlorghorpene ND ug/L 1.0 1 01/08/19 12:58 55:35-46 1.2.3-Trichlorophene ND ug/L 1.0 1 01/08/19 12:58 55:35-46 1.2.3-Trichlorophenzene ND ug/L 4.0 1 01/08/19 12:58 56:36-66 1.2.3-Trichlorophenzene ND ug/L 1.0 1 01/08/19 12:58 56:36 1.2.4-Trichlorobenzene ND ug/L 1.0 1 01/08/19 12:58 56:36 1.2-Dichlorochenzene ND ug/L 1.0 1 01/08/19 12:58 56:36-1 1.2-Dichlorochenzene ND ug/L 1.0 1 01/08/19 12:58 56:41:3-1 1.3-D | 1,1-Dichloroethane | ND | ug/L | 1.0 | 1 | 01/08/19 | 12:58 | 75-34-3 | |
| 1.1-Dichloropropane ND ug/L 1.0 1 01/08/19 12:58 863-86-6 1.2.3-Trichloropropane ND ug/L 1.0 1 01/08/19 12:58 87-61-6 1.2.3-Trichloropropane ND ug/L 1.0 1 01/08/19 12:58 86-18-4 1.2.4-Trimethybenzene ND ug/L 1.0 1 01/08/19 12:58 96-13-4 1.2-Dichromosthane (EDB) ND ug/L 1.0 1 01/08/19 12:58 96-3-4 1.2-Dichlorobenzene ND ug/L 1.0 1 01/08/19 12:58 156-50-1 1.2-Dichloropropane ND ug/L 1.0 1 01/08/19 12:58 156-50-1 1.2-Dichloropropane ND ug/L 1.0 1 01/08/19 12:58 168-67-3 1.3-Dichlorobenzene ND ug/L 1.0 1 01/08/19 12:58 168-46-7 1.3-Dichlorobenzene ND ug/L 1.0 1 01/08/19 12:58 168-46-7 2.2-Dichloropropane ND ug/L 1.0 1 01/08/19 12:58 168-42-07 1.3- | 1,1-Dichloroethene | ND | ug/L | 1.0 | 1 | 01/08/19 | 12:58 | 75-35-4 | |
| 1,2.3-Trichloropenpane ND ug/L 1.0 1 01/08/19 12:58 87-61-6 1,2.3-Trichloropenpane ND ug/L 1.0 1 01/08/19 12:58 96-18-4 1,2.4-Trichloropenpane ND ug/L 1.0 1 01/08/19 12:58 96-18-4 1,2.4-Trichloropenpane ND ug/L 1.0 1 01/08/19 12:58 96-12-8 1,2.0-biromosthane (EDB) ND ug/L 1.0 1 01/08/19 12:58 96-53-6 1.2-Dichloropenpane ND ug/L 1.0 1 01/08/19 12:58 96-53-6 1.2-Dichloropenpane ND ug/L 1.0 1 01/08/19 12:58 96-78-7 1.3-Dichloropenpane ND ug/L 1.0 1 01/08/19 12:58 160-67-8 1.3-Dichloropenpane ND ug/L 1.0 1 01/08/19 12:58 164-64-7 1.3-Dichloropenpane ND ug/L 1.0 1 01/08/19 12:58 164-34-4 1.3-Dichloropenpane ND ug/L 5.0 1 01/08/19 12:58 164-64-7 2.2 | 1,1-Dichloropropene | ND | ug/L | 1.0 | 1 | 01/08/19 | 12:58 | 563-58-6 | |
| 1,2,3-Trichioropropane ND ug/L 1.0 1 01/08/19 12:58 96-18-4 1,2,4-Trimethybenzene ND ug/L 1.0 1 01/08/19 12:58 96-23-6 1,2-Ditoromo-3-chloropropane ND ug/L 1.0 1 01/08/19 12:58 96-33-4 1,2-Ditoromo-3-chloropropane ND ug/L 1.0 1 01/08/19 12:58 107-06-2 1,2-Dichorobenzene ND ug/L 1.0 1 01/08/19 12:58 107-06-2 1,2-Dichloropropane ND ug/L 1.0 1 01/08/19 12:58 108-67-8 1,3-Dichlorobenzene ND ug/L 1.0 1 01/08/19 12:58 168-67-8 1,3-Dichlorobenzene ND ug/L 1.0 1 01/08/19 12:58 164-67 2,2-Dichloropropane ND ug/L 1.0 1 01/08/19 12:58 164-67 2,2-Dichloropropane ND ug/L 1.0 1 01/08/19 12:58 164-67 2,2-Dichloropropane ND ug/L 1.0 1 01/08/19 12:58 164-67 2, | 1,2,3-Trichlorobenzene | ND | ug/L | 1.0 | 1 | 01/08/19 | 12:58 | 87-61-6 | |
| 1,2,4-Trinchlorobenzene ND ug/L 1.0 1 0108/19 12:88 120-82-1 1,2-A-Trinethylbenzene ND ug/L 1.0 1 01/08/19 12:58 96-3-4 1,2-Dibromo-3-chloropropane ND ug/L 1.0 1 01/08/19 12:58 106-93-4 1,2-Dibromoethane ND ug/L 1.0 1 01/08/19 12:58 106-93-4 1,2-Dibromoethane ND ug/L 1.0 1 01/08/19 12:58 107-06-2 1,3-Dibromoethane ND ug/L 1.0 1 01/08/19 12:58 108-67-8 1,3-Dibrioropropane ND ug/L 1.0 1 01/08/19 12:58 12-28-9 1,3-Dibrioropropane ND ug/L 1.0 1 01/08/19 12:58 164-67 2-Dibrioropropane ND ug/L 1.0 1 01/08/19 12:58 164-67 2-Dibrioropropane ND ug/L 1.0 1 01/08/19 12:58 168-40-7 2-Dibrioropropane ND ug/L | 1,2,3-Trichloropropane | ND | ug/L | 4.0 | 1 | 01/08/19 | 12:58 | 96-18-4 | |
| 1,2,4-Trimethylbenzene ND ug/L 1.0 1 0108/19 1258 95-63-6 1,2-Dibromo-3-chloropropane ND ug/L 1.0 1 01/08/19 1258 96-12.8 1,2-Dibromoethane (EDB) ND ug/L 1.0 1 01/08/19 1258 96-34.4 1,2-Dichlorobenzene ND ug/L 1.0 1 01/08/19 1258 10-6-2 1,2-Dichlorobenzene ND ug/L 1.0 1 01/08/19 1258 10-6-2 1,3-Dichlorobenzene ND ug/L 1.0 1 01/08/19 1258 10-6-2 1,3-Dichlorobenzene ND ug/L 1.0 1 01/08/19 1258 10-6-7 2-Dichorobuene ND ug/L 1. | 1,2,4-Trichlorobenzene | ND | ug/L | 1.0 | 1 | 01/08/19 | 12:58 | 120-82-1 | |
| 1.2-Dibromo-3-chloropopane ND ug/L 1.0 1 01/08/19 12:58 96-12-8 1.2-Dibromoethane (EDB) ND ug/L 1.0 1 01/08/19 12:58 106-33-4 1.2-Dichrorobenzene ND ug/L 1.0 1 01/08/19 12:58 165-50-1 1.2-Dichroropopane ND ug/L 1.0 1 01/08/19 12:58 86-7-8 1.3-Dichroropropane ND ug/L 1.0 1 01/08/19 12:58 86-7-8 2.2-Dichroropropane ND ug/L 1.0 1 01/08/19 12:58 86-47-8 2.2-Dichroropropane ND ug/L 1.0 1 01/08/19 12:58 86-49-8 4-Chiorobluene ND ug/L 1.0 1 01/08/19 12:58 16-43-4 4-Methyl-2-pentanone (| 1,2,4-Trimethylbenzene | ND | ug/L | 1.0 | 1 | 01/08/19 | 12:58 | 95-63-6 | |
| 1,2-Dichoronechane (EDB) ND ug/L 1.0 1 01/08/19 12:58 106-93-4 1,2-Dichoropenane ND ug/L 1.0 1 01/08/19 12:58 707-06-2 1,2-Dichoropropane ND ug/L 4.0 1 01/08/19 12:58 707-06-2 1,3-Dichoropropane ND ug/L 1.0 1 01/08/19 12:58 78-75 1,3-Dichoropropane ND ug/L 1.0 1 01/08/19 12:58 78-75 1,3-Dichoropropane ND ug/L 1.0 1 01/08/19 12:58 78-75 1,3-Dichoropropane ND ug/L 1.0 1 01/08/19 12:58 78-47-75 2-Dichoropropane ND ug/L 5.0 1 01/08/19 12:58 78-93-3 2-Charotoluene ND ug/L 5.0 1 01/08/19 12:58 76-41-4 4-Chorotoluene ND ug/L 5.0 1 01/08/19 12:58 16-43-4 4-Methyl-2-pentanone (MIBK) ND ug/L 1.0 1 01/08/19 12:58 16-64-1 Ally choride ND <td>1,2-Dibromo-3-chloropropane</td> <td>ND</td> <td>ug/L</td> <td>10.0</td> <td>1</td> <td>01/08/19</td> <td>12:58</td> <td>96-12-8</td> <td></td> | 1,2-Dibromo-3-chloropropane | ND | ug/L | 10.0 | 1 | 01/08/19 | 12:58 | 96-12-8 | |
| 1,2-Dichlorobenzene ND ug/L 1,0 1 01/08/19 12:58 95-50-1 1,2-Dichloropropane ND ug/L 1,0 1 01/08/19 12:58 107-06-2 1,3-Dichloropropane ND ug/L 1,0 1 01/08/19 12:58 108-67-8 1,3-Dichlorobenzene ND ug/L 1,0 1 01/08/19 12:58 142-28-9 1,4-Dichlorobenzene ND ug/L 1,0 1 01/08/19 12:58 164-67 2-Dichloropropane ND ug/L 1,0 1 01/08/19 12:58 541-23-1 2-Dichloropropane ND ug/L 1,0 1 01/08/19 12:58 549-20-7 2-Butanone (MEK) ND ug/L 1,0 1 01/08/19 12:58 166-43-4 4-Methyl-2-pentanone (MIBK) ND ug/L 1,0 1 01/08/19 12:58 108-10-1 Actoro ND ug/L 1,0 1 01/08/19 12:58 108-10-1 Actoro ND ug/L 1,0 1 01/08/19 12:58 108-10-1 Actoro ND u | 1,2-Dibromoethane (EDB) | ND | ug/L | 1.0 | 1 | 01/08/19 | 12:58 | 106-93-4 | |
| 1.2-Dichloroptopane ND ug/L 1.0 1 01/08/19 12:58 107-06-2 1.2-Dichloroptopane ND ug/L 4.0 1 01/08/19 12:58 78-87-5 1.3-Dichloroptopane ND ug/L 1.0 1 01/08/19 12:58 541-73-1 1.3-Dichlorobenzene ND ug/L 1.0 1 01/08/19 12:58 541-73-1 1.3-Dichlorobenzene ND ug/L 1.0 1 01/08/19 12:58 542-89-9 1.4-Dichlorobenzene ND ug/L 4.0 1 01/08/19 12:58 554-20-7 2-Butanone (MEK) ND ug/L 1.0 1 01/08/19 12:58 554-39-3 2-Chlorotoluene ND ug/L 1.0 1 01/08/19 12:58 16-43-4 4-Methyl-2-pentanone (MIBK) ND ug/L 2.0 1 01/08/19 12:58 16-43-1 Ally choride ND ug/L 4.0 1 01/08/19 12:58 16-8-64-1 Ally choride ND ug/L <td>1,2-Dichlorobenzene</td> <td>ND</td> <td>ug/L</td> <td>1.0</td> <td>1</td> <td>01/08/19</td> <td>12:58</td> <td>95-50-1</td> <td></td> | 1,2-Dichlorobenzene | ND | ug/L | 1.0 | 1 | 01/08/19 | 12:58 | 95-50-1 | |
| 1,2-Dichloropropane ND ug/L 4.0 1 01/08/19 12:58 78-87-5 1,3-5-Trimethylbenzene ND ug/L 1.0 1 01/08/19 12:58 104-67-8 1,3-Dichlorobenzene ND ug/L 1.0 1 01/08/19 12:58 541-73-1 1,3-Dichlorobenzene ND ug/L 1.0 1 01/08/19 12:58 14-28-9 1,4-Dichlorobenzene ND ug/L 4.0 1 01/08/19 12:58 542-07 2-Dichloropropane ND ug/L 5.0 1 01/08/19 12:58 584-20-7 2-Dichloropropane ND ug/L 1.0 1 01/08/19 12:58 584-98-8 2-Chlorotoluene ND ug/L 1.0 1 01/08/19 12:58 168-40-4 4-Chlorotoluene ND ug/L 2.0 1 01/08/19 12:58 167-64-1 Allyl chloride ND ug/L 1.0 1 01/08/19 12:58 17-43-2 Bromobenzene ND ug/L 1.0 1 01/08/19 12:58 75-52-2 Bromodichloromethane ND </td <td>1,2-Dichloroethane</td> <td>ND</td> <td>ug/L</td> <td>1.0</td> <td>1</td> <td>01/08/19</td> <td>12:58</td> <td>107-06-2</td> <td></td> | 1,2-Dichloroethane | ND | ug/L | 1.0 | 1 | 01/08/19 | 12:58 | 107-06-2 | |
| 1,3-5-Trimethylbenzene ND ug/L 1.0 1 01/08/19 12:58 108-67-8 1,3-Dichlorobenzene ND ug/L 1.0 1 01/08/19 12:58 541-73-1 1,3-Dichloroporpane ND ug/L 1.0 1 01/08/19 12:58 142-28-9 1,4-Dichlorobenzene ND ug/L 4.0 1 01/08/19 12:58 164-6-7 2,2-Dichloropopane ND ug/L 4.0 1 01/08/19 12:58 78-93-3 2-Chlorotoluene ND ug/L 1.0 1 01/08/19 12:58 78-93-3 2-Chlorotoluene ND ug/L 1.0 1 01/08/19 12:58 78-43-4 4-Chlorotoluene ND ug/L 20.0 1 01/08/19 12:58 76-41 A-Methyl-2-pentanone (MIBK) ND ug/L 4.0 1 01/08/19 12:58 76-42-1 Ally chloride ND ug/L 4.0 1 01/08/19 12:58 76-42-1 Bromochloromethane ND ug/L 1.0 1 01/08/19 12:58 75-25-2 Bromochloromethane < | 1,2-Dichloropropane | ND | ug/L | 4.0 | 1 | 01/08/19 | 12:58 | 78-87-5 | |
| 1,3-Dichlorobenzene ND ug/L 1.0 1 01/08/19 12:58 541-73-1 1,3-Dichloropropane ND ug/L 1.0 1 01/08/19 12:58 142-28-9 1,4-Dichlorobenzene ND ug/L 1.0 1 01/08/19 12:58 544-20-7 2-2-Dichloropropane ND ug/L 5.0 1 01/08/19 12:58 594-20-7 2-Butanone (MEK) ND ug/L 1.0 1 01/08/19 12:58 594-30-3 2-Chlorotoluene ND ug/L 1.0 1 01/08/19 12:58 106-43-4 4-Methyl-2-pentanone (MIBK) ND ug/L 2.0 1 01/08/19 12:58 106-43-4 4-Methyl-2-pentanone (MIBK) ND ug/L 2.0 1 01/08/19 12:58 106-43-4 Acetone ND ug/L 2.0 1 01/08/19 12:58 106-43-4 Austhyl-2-pentanone (MIBK) ND ug/L 2.0 1 01/08/19 12:58 107-05-1 Bromochoromethane ND ug/L 1.0 1 01/08/19 12:58 74-74-5 30 | 1,3,5-Trimethylbenzene | ND | ug/L | 1.0 | 1 | 01/08/19 | 12:58 | 108-67-8 | |
| 1,3-Dichloropropane ND ug/L 1.0 1 01/08/19 12:58 14/2-28-9 1,4-Dichlorobenzene ND ug/L 1.0 1 01/08/19 12:58 106-46-7 2,2-Dichloropropane ND ug/L 6.0 1 01/08/19 12:58 594-20-7 2-Butanone (MEK) ND ug/L 1.0 1 01/08/19 12:58 594-30-7 2-Chlorotoluene ND ug/L 1.0 1 01/08/19 12:58 106-43-4 4-Chlorotoluene ND ug/L 5.0 1 01/08/19 12:58 106-43-4 4-Methyl-2-pentanone (MIBK) ND ug/L 5.0 1 01/08/19 12:58 108-10-1 Acetone ND ug/L 2.0.0 1 01/08/19 12:58 108-10-1 Acetone ND ug/L 1.0 1 01/08/19 12:58 17-43-2 Bromochloromethane ND ug/L 1.0 1 01/08/19 12:58 17-42-2 Bromochloromethane ND ug/L 1.0 1 01/08/19 12:58 72-74 Bromochloromethane ND | 1,3-Dichlorobenzene | ND | ug/L | 1.0 | 1 | 01/08/19 | 12:58 | 541-73-1 | |
| 1.4-Dichlorobenzene ND ug/L 1.0 1 01/08/19 12:58 106-46-7 2.2-Dichloropropane ND ug/L 4.0 1 01/08/19 12:58 594-20-7 2-Butanone (MEK) ND ug/L 1.0 1 01/08/19 12:58 594-39-3 2-Chiorotoluene ND ug/L 1.0 1 01/08/19 12:58 595-49-8 4-Chiorotoluene ND ug/L 1.0 1 01/08/19 12:58 106-43-4 4-Methyl-2-pentanone (MIBK) ND ug/L 20.0 1 01/08/19 12:58 106-43-4 Acctone ND ug/L 4.0 1 01/08/19 12:58 17-43-2 Bromobenzene ND ug/L 1.0 1 01/08/19 12:58 17-43-2 Bromobenzene ND ug/L 1.0 1 01/08/19 12:58 74-97-5 Bromodichloromethane ND ug/L 1.0 1 01/08/19 12:58 75-27-4 Bromoform ND ug/L 1.0 1 01/08/19 12:58 75-27-2 Bromoform ND ug/L | 1.3-Dichloropropane | ND | ua/L | 1.0 | 1 | 01/08/19 | 12:58 | 142-28-9 | |
| 2.2-Dichloropropane ND ug/L 4.0 1 01/08/19 12:58 594-20-7 2-Butanone (MEK) ND ug/L 5.0 1 01/08/19 12:58 78-93-3 2-Chlorotoluene ND ug/L 1.0 1 01/08/19 12:58 95-49-8 4-Chlorotoluene ND ug/L 1.0 1 01/08/19 12:58 108-10-1 Acctoro ND ug/L 5.0 1 01/08/19 12:58 107-05-1 Benzene ND ug/L 1.0 1 01/08/19 12:58 71-43-2 Bromobenzene ND ug/L 1.0 1 01/08/19 12:58 71-43-2 Bromochloromethane ND ug/L 1.0 1 01/08/19 12:58 74-32-2 Bromochloromethane ND ug/L 1.0 1 01/08/19 12:58 74-32-2 Bromochloromethane ND ug/L 1.0 1 01/08/19 12:58 75-27-4 Bromochloromethane ND ug/L 4.0 1 01/08/19 12:58 75-27-2 Bromochloromethane ND ug/L | 1.4-Dichlorobenzene | ND | ua/L | 1.0 | 1 | 01/08/19 | 12:58 | 106-46-7 | |
| 2-Butanone (MEK) ND ug/L 5.0 1 01/08/19 12:58 78-93-3 2-Chlorotoluene ND ug/L 1.0 1 01/08/19 12:58 78-93-3 2-Chlorotoluene ND ug/L 1.0 1 01/08/19 12:58 106-43-4 4-Methyl-2-pentanone (MIBK) ND ug/L 5.0 1 01/08/19 12:58 106-43-4 A-Methyl-2-pentanone (MIBK) ND ug/L 20.0 1 01/08/19 12:58 106-10-1 Acetone ND ug/L 4.0 1 01/08/19 12:58 174-97-5 Bromobenzene ND ug/L 1.0 1 01/08/19 12:58 75-27-4 Bromodichloromethane ND ug/L 1.0 1 01/08/19 12:58 75-27-4 Bromodichloromethane ND ug/L 4.0 1 01/08/19 12:58 75-27-4 Bromodichloromethane ND ug/L 1.0 1 01/08/19 12:58 75-27-4 Bromodichloromethane ND ug/L <td< td=""><td>2.2-Dichloropropane</td><td>ND</td><td>ua/L</td><td>4.0</td><td>1</td><td>01/08/19</td><td>12:58</td><td>594-20-7</td><td></td></td<> | 2.2-Dichloropropane | ND | ua/L | 4.0 | 1 | 01/08/19 | 12:58 | 594-20-7 | |
| 2-Chlorotoluene ND ug/L 1.0 1 01/08/19 12:58 95-49-8 4-Chlorotoluene ND ug/L 1.0 1 01/08/19 12:58 106-43-4 4-Methyl-2-pentanone (MIBK) ND ug/L 20.0 1 01/08/19 12:58 106-43-4 Acetone ND ug/L 20.0 1 01/08/19 12:58 76-64-1 Allyl chloride ND ug/L 4.0 1 01/08/19 12:58 76-64-1 Bromobenzene ND ug/L 1.0 1 01/08/19 12:58 71-43-2 Bromochloromethane ND ug/L 1.0 1 01/08/19 12:58 75-27-4 Bromochloromethane ND ug/L 1.0 1 01/08/19 12:58 75-25-2 Bromochloromethane ND ug/L 1.0 1 01/08/19 12:58 76-23-5 Chlorobenzene ND ug/L 1.0 1 01/08/19 <td< td=""><td>2-Butanone (MEK)</td><td>ND</td><td>ua/L</td><td>5.0</td><td>1</td><td>01/08/19</td><td>12:58</td><td>78-93-3</td><td></td></td<> | 2-Butanone (MEK) | ND | ua/L | 5.0 | 1 | 01/08/19 | 12:58 | 78-93-3 | |
| 4-Chlorotoluene ND ug/L 1.0 1 01/08/19 12:58 106-43-4 4-Methyl-2-pentanone (MIBK) ND ug/L 5.0 1 01/08/19 12:58 106-43-4 Acetone ND ug/L 20.0 1 01/08/19 12:58 67-64-1 Allyl chloride ND ug/L 1.0 1 01/08/19 12:58 17-43-2 Bromobenzene ND ug/L 1.0 1 01/08/19 12:58 74-97-5 Bromochloromethane ND ug/L 1.0 1 01/08/19 12:58 75-27-4 Bromochloromethane ND ug/L 1.0 1 01/08/19 12:58 75-27-4 Bromochloromethane ND ug/L 4.0 1 01/08/19 12:58 75-27-4 Bromoform ND ug/L 4.0 1 01/08/19 12:58 76-27-3 Bromoform ND ug/L 1.0 1 01/08/19 12:58 76-25-2 Bromoform ND ug/L 1.0 1 | 2-Chlorotoluene | ND | ua/L | 1.0 | 1 | 01/08/19 | 12:58 | 95-49-8 | |
| 4-Methyl-2-pentanone (MIBK) ND ug/L 5.0 1 01/08/19 12:58 108-10-1 Acetone ND ug/L 20.0 1 01/08/19 12:58 107-05-1 Ally chloride ND ug/L 4.0 1 01/08/19 12:58 107-05-1 Benzene ND ug/L 1.0 1 01/08/19 12:58 108-86-1 Bromobenzene ND ug/L 1.0 1 01/08/19 12:58 74-97-5 Bromodchloromethane ND ug/L 1.0 1 01/08/19 12:58 75-27-4 Bromodchloromethane ND ug/L 4.0 1 01/08/19 12:58 74-83-9 Bromodichloromethane ND ug/L 4.0 1 01/08/19 12:58 75-27-4 Bromoform ND ug/L 4.0 1 01/08/19 12:58 74-83-9 Carbon tetrachloride ND ug/L 1.0 1 01/08/19 12:58 74-83-9 Chlorophazene ND ug/L 1.0 1 01/08/19 12:58 76-63-3 Chloroform ND ug/L <t< td=""><td>4-Chlorotoluene</td><td>ND</td><td>ua/L</td><td>1.0</td><td>1</td><td>01/08/19</td><td>12:58</td><td>106-43-4</td><td></td></t<> | 4-Chlorotoluene | ND | ua/L | 1.0 | 1 | 01/08/19 | 12:58 | 106-43-4 | |
| Acetone ND ug/L 20.0 1 01/08/19 12:58 67-64-1 Allyl chloride ND ug/L 4.0 1 01/08/19 12:58 67-64-1 Benzene ND ug/L 1.0 1 01/08/19 12:58 71-43-2 Bromobenzene ND ug/L 1.0 1 01/08/19 12:58 74-32-2 Bromobenzene ND ug/L 1.0 1 01/08/19 12:58 74-37-5 Bromochloromethane ND ug/L 1.0 1 01/08/19 12:58 75-27-4 Bromochhane ND ug/L 4.0 1 01/08/19 12:58 75-27-4 Bromochhane ND ug/L 4.0 1 01/08/19 12:58 75-27-4 Bromochane ND ug/L 4.0 1 01/08/19 12:58 75-25-2 Bromochane ND ug/L 1.0 1 01/08/19 12:58 76-25-2 Chlorothane ND ug/L 1.0 1 01/08/19 12:58 76-63-3 Chlorothane ND ug/L 1.0 1 01/08/19 | 4-Methyl-2-pentanone (MIBK) | ND | ua/L | 5.0 | 1 | 01/08/19 | 12:58 | 108-10-1 | |
| Allyl chloride ND ug/L 4.0 1 01/08/19 12:58 107-05-1 Benzene ND ug/L 1.0 1 01/08/19 12:58 71-43-2 Bromochloromethane ND ug/L 1.0 1 01/08/19 12:58 74-97-5 Bromochloromethane ND ug/L 1.0 1 01/08/19 12:58 75-27-4 Bromochloromethane ND ug/L 1.0 1 01/08/19 12:58 75-27-4 Bromothoromethane ND ug/L 4.0 1 01/08/19 12:58 75-27-2 Bromothoromethane ND ug/L 4.0 1 01/08/19 12:58 75-27-2 Bromothoromethane ND ug/L 4.0 1 01/08/19 12:58 75-27-2 Bromothoromethane ND ug/L 1.0 1 01/08/19 12:58 75-27-2 Chlorobenzene ND ug/L 1.0 1 01/08/19 12:58 76-23-5 Chloroform ND ug/L 1.0 1 <td>Acetone</td> <td>ND</td> <td>ua/L</td> <td>20.0</td> <td>1</td> <td>01/08/19</td> <td>12:58</td> <td>67-64-1</td> <td></td> | Acetone | ND | ua/L | 20.0 | 1 | 01/08/19 | 12:58 | 67-64-1 | |
| Benzene ND ug/L 1.0 1 01/08/19 12:58 71-43-2 Bromobenzene ND ug/L 1.0 1 01/08/19 12:58 74-97-5 Bromodichloromethane ND ug/L 1.0 1 01/08/19 12:58 75-27-4 Bromodichloromethane ND ug/L 4.0 1 01/08/19 12:58 75-27-4 Bromoothane ND ug/L 4.0 1 01/08/19 12:58 75-25-2 Bromomethane ND ug/L 4.0 1 01/08/19 12:58 75-25-2 Carbon tetrachloride ND ug/L 1.0 1 01/08/19 12:58 76-23-5 Chlorobenzene ND ug/L 1.0 1 01/08/19 12:58 168-30-7 Chloroform ND ug/L 1.0 1 01/08/19 12:58 75-00-3 Chloromethane ND ug/L 1.0 1 01/08/19 12:58 <t< td=""><td>Allvl chloride</td><td>ND</td><td>ua/L</td><td>4.0</td><td>1</td><td>01/08/19</td><td>12:58</td><td>107-05-1</td><td></td></t<> | Allvl chloride | ND | ua/L | 4.0 | 1 | 01/08/19 | 12:58 | 107-05-1 | |
| Bromobenzene ND ug/L 1.0 1 01/08/19 12:58 108:86-1 Bromochloromethane ND ug/L 1.0 1 01/08/19 12:58 74-97-5 Bromodichloromethane ND ug/L 1.0 1 01/08/19 12:58 75-27-4 Bromoderbane ND ug/L 4.0 1 01/08/19 12:58 75-25-2 Bromomethane ND ug/L 4.0 1 01/08/19 12:58 75-25-2 Bromotentane ND ug/L 1.0 1 01/08/19 12:58 75-25-2 Bromotentane ND ug/L 1.0 1 01/08/19 12:58 76-23-5 Caltor tetrachloride ND ug/L 1.0 1 01/08/19 12:58 75-00-3 Chloromethane ND ug/L 1.0 1 01/08/19 12:58 76-66-3 Chloromethane ND ug/L 1.0 1 01/08/19 12:58 | Benzene | ND | ua/L | 1.0 | 1 | 01/08/19 | 12:58 | 71-43-2 | |
| Bromochloromethane ND ug/L 1.0 1 01/08/19 12:58 74-97-5 Bromodichloromethane ND ug/L 1.0 1 01/08/19 12:58 75-27-4 Bromodichloromethane ND ug/L 4.0 1 01/08/19 12:58 75-25-2 Bromomethane ND ug/L 4.0 1 01/08/19 12:58 74-83-9 Carbon tetrachloride ND ug/L 1.0 1 01/08/19 12:58 76-25-2 Chlorobenzene ND ug/L 1.0 1 01/08/19 12:58 76-23-5 Chlorobenzene ND ug/L 1.0 1 01/08/19 12:58 76-63-3 Chlorobentane ND ug/L 1.0 1 01/08/19 12:58 76-63-3 Chloromethane ND ug/L 4.0 1 01/08/19 12:58 74-95-3 Dibromochloromethane ND ug/L 4.0 1 01/08/19 12:58 74-95-3 Dibromochloromethane ND ug/L 4.0 | Bromobenzene | ND | ua/L | 1.0 | 1 | 01/08/19 | 12:58 | 108-86-1 | |
| Bromodichloromethane ND ug/L 1.0 1 01/08/19 12:58 75-27-4 Bromodichloromethane ND ug/L 4.0 1 01/08/19 12:58 75-27-4 Bromodichloromethane ND ug/L 4.0 1 01/08/19 12:58 75-25-2 Bromodichloromethane ND ug/L 1.0 1 01/08/19 12:58 76-23-5 Carbon tetrachloride ND ug/L 1.0 1 01/08/19 12:58 76-23-5 Chlorobenzene ND ug/L 1.0 1 01/08/19 12:58 76-03-3 Chloroform ND ug/L 1.0 1 01/08/19 12:58 74-87-3 Dibromothane ND ug/L 1.0 1 01/08/19 12:58 74-87-3 Dibromothane ND ug/L 1.0 1 01/08/19 12:58 74-87-3 Dibromothane ND ug/L 1.0 1 01/08/19 1 | Bromochloromethane | ND | ug/l | 1.0 | 1 | 01/08/19 | 12:58 | 74-97-5 | |
| Bromotorm ND ug/L 4.0 1 01/08/19 12:58 74-83-9 Bromomethane ND ug/L 4.0 1 01/08/19 12:58 74-83-9 Carbon tetrachloride ND ug/L 1.0 1 01/08/19 12:58 74-83-9 Chlorobenzene ND ug/L 1.0 1 01/08/19 12:58 56-23-5 Chlorobenzene ND ug/L 1.0 1 01/08/19 12:58 56-0-3 Chloroethane ND ug/L 1.0 1 01/08/19 12:58 75-06-3 Chloromethane ND ug/L 1.0 1 01/08/19 12:58 74-87-3 Dibromochloromethane ND ug/L 4.0 1 01/08/19 12:58 74-87-3 Dibromochloromethane ND ug/L 4.0 1 01/08/19 12:58 74-87-3 Dibromochloromethane ND ug/L 1.0 1 01/08/19 12:58 74-95-3 Dichlorodifluoromethane ND ug/L 1.0 <t< td=""><td>Bromodichloromethane</td><td>ND</td><td>ua/L</td><td>1.0</td><td>1</td><td>01/08/19</td><td>12:58</td><td>75-27-4</td><td></td></t<> | Bromodichloromethane | ND | ua/L | 1.0 | 1 | 01/08/19 | 12:58 | 75-27-4 | |
| Bromomethane ND ug/L 4.0 1 01/08/19 12:58 74-83-9 Carbon tetrachloride ND ug/L 1.0 1 01/08/19 12:58 56-23-5 Chlorobenzene ND ug/L 1.0 1 01/08/19 12:58 56-23-5 Chlorobenzene ND ug/L 1.0 1 01/08/19 12:58 75-00-3 Chloroethane ND ug/L 1.0 1 01/08/19 12:58 67-66-3 Chloromethane ND ug/L 1.0 1 01/08/19 12:58 74-87-3 Dibromochloromethane ND ug/L 4.0 1 01/08/19 12:58 74-87-3 Dibromomethane ND ug/L 1.0 1 01/08/19 12:58 74-87-3 Dibrlorodifluoromethane ND ug/L 1.0 1 01/08/19 12:58 74-95-3 Dichlorodifluoromethane ND ug/L 1.0 1 01/08/19 < | Bromoform | ND | ua/L | 4.0 | 1 | 01/08/19 | 12:58 | 75-25-2 | |
| Carbon tetrachloride ND ug/L 1.0 1 01/08/19 12:58 56-23-5 Chlorobenzene ND ug/L 1.0 1 01/08/19 12:58 108-90-7 Chlorobenzene ND ug/L 1.0 1 01/08/19 12:58 56-23-5 Chlorobenzene ND ug/L 1.0 1 01/08/19 12:58 75-00-3 Chloroform ND ug/L 1.0 1 01/08/19 12:58 67-66-3 Chloromethane ND ug/L 4.0 1 01/08/19 12:58 74-87-3 Dibromochloromethane ND ug/L 4.0 1 01/08/19 12:58 74-87-3 Dibromochloromethane ND ug/L 4.0 1 01/08/19 12:58 74-87-3 Dibromochloromethane ND ug/L 4.0 1 01/08/19 12:58 74-87-3 Dichlorodifluoromethane ND ug/L 1.0 1 01/08/19 12:58 60-29-7 Ethylbenzene ND ug/L 1.0 | Bromomethane | ND | ug/l | 4.0 | 1 | 01/08/19 | 12:58 | 74-83-9 | |
| Chlorobenzene ND ug/L 1.0 1 01/08/19 12:58 108-90-7 Chlorobenzene ND ug/L 1.0 1 01/08/19 12:58 75-00-3 Chloroform ND ug/L 1.0 1 01/08/19 12:58 67-66-3 Chloromethane ND ug/L 1.0 1 01/08/19 12:58 74-87-3 Dibromochloromethane ND ug/L 4.0 1 01/08/19 12:58 74-87-3 Dibromochloromethane ND ug/L 4.0 1 01/08/19 12:58 74-95-3 Dibromochloromethane ND ug/L 4.0 1 01/08/19 12:58 75-71-8 Dichlorodifluoromethane ND ug/L 1.0 1 01/08/19 12:58 60-29-7 Ethylbenzene ND ug/L 4.0 1 01/08/19 12:58 60-29-7 Ethylbenzene ND ug/L 1.0 1 01/08/19 12:58 87-68-3 Isopropylbenzene (Cumene) ND ug/L 1.0 | Carbon tetrachloride | ND | ua/L | 1.0 | 1 | 01/08/19 | 12:58 | 56-23-5 | |
| Chloroethane ND ug/L 1.0 1 01/08/19 12:58 75-00-3 Chloroform ND ug/L 1.0 1 01/08/19 12:58 75-00-3 Chloromethane ND ug/L 1.0 1 01/08/19 12:58 74-87-3 Dibromochloromethane ND ug/L 4.0 1 01/08/19 12:58 74-87-3 Dibromochloromethane ND ug/L 1.0 1 01/08/19 12:58 74-95-3 Dibromomethane ND ug/L 4.0 1 01/08/19 12:58 74-95-3 Dichlorodifluoromethane ND ug/L 1.0 1 01/08/19 12:58 75-71-8 Diethyl ether (Ethyl ether) ND ug/L 1.0 1 01/08/19 12:58 60-29-7 Ethylbenzene ND ug/L 1.0 1 01/08/19 12:58 100-41-4 Hexachloro-1,3-butadiene ND ug/L 1.0 1 01/08/19 12:58 87-68-3 Isopropylbenzene (Cumene) ND ug/L 1.0 1 01/08/19 12:58 98-82-8 Methyl-tert-butyl ether | Chlorobenzene | ND | ug/L | 1.0 | 1 | 01/08/19 | 12:58 | 108-90-7 | |
| Chloroform ND ug/L 1.0 1 01/08/19 12:58 67-66-3 Chloromethane ND ug/L 4.0 1 01/08/19 12:58 74-87-3 Dibromochloromethane ND ug/L 1.0 1 01/08/19 12:58 74-87-3 Dibromochloromethane ND ug/L 1.0 1 01/08/19 12:58 74-95-3 Dibromomethane ND ug/L 4.0 1 01/08/19 12:58 74-95-3 Dichlorodifluoromethane ND ug/L 4.0 1 01/08/19 12:58 75-71-8 Diethyl ether (Ethyl ether) ND ug/L 4.0 1 01/08/19 12:58 60-29-7 Ethylbenzene ND ug/L 1.0 1 01/08/19 12:58 100-41-4 Hexachloro-1,3-butadiene ND ug/L 1.0 1 01/08/19 12:58 87-68-3 Isopropylbenzene (Cumene) ND ug/L 1.0 1 01/08/19 12:58 98-82-8 Methyl-tert-butyl ether ND ug/L 1.0 1 01/08/19 12:58 1634-04-4 | Chloroethane | ND | ug/L | 1.0 | 1 | 01/08/19 | 12:58 | 75-00-3 | |
| Chloromethane ND ug/L 4.0 1 01/08/19 12:58 74-87-3 Dibromochloromethane ND ug/L 1.0 1 01/08/19 12:58 74-87-3 Dibromochloromethane ND ug/L 1.0 1 01/08/19 12:58 74-95-3 Dibromomethane ND ug/L 4.0 1 01/08/19 12:58 74-95-3 Dichlorodifluoromethane ND ug/L 4.0 1 01/08/19 12:58 75-71-8 Diethyl ether (Ethyl ether) ND ug/L 4.0 1 01/08/19 12:58 60-29-7 Ethylbenzene ND ug/L 1.0 1 01/08/19 12:58 100-41-4 Hexachloro-1,3-butadiene ND ug/L 1.0 1 01/08/19 12:58 87-68-3 Isopropylbenzene (Cumene) ND ug/L 1.0 1 01/08/19 12:58 98-82-8 Methyl-tert-butyl ether ND ug/L 1.0 1 01/08/19 12:58 1634-04-4 | Chloroform | ND | ug/L | 1.0 | 1 | 01/08/19 | 12:58 | 67-66-3 | |
| Dibromochloromethane ND ug/L 1.0 1 01/08/19 12:58 124-48-1 Dibromomethane ND ug/L 4.0 1 01/08/19 12:58 74-95-3 Dichlorodifluoromethane ND ug/L 1.0 1 01/08/19 12:58 74-95-3 Dichlorodifluoromethane ND ug/L 1.0 1 01/08/19 12:58 75-71-8 Diethyl ether (Ethyl ether) ND ug/L 4.0 1 01/08/19 12:58 60-29-7 Ethylbenzene ND ug/L 1.0 1 01/08/19 12:58 100-41-4 Hexachloro-1,3-butadiene ND ug/L 1.0 1 01/08/19 12:58 87-68-3 Isopropylbenzene (Cumene) ND ug/L 1.0 1 01/08/19 12:58 98-82-8 Methyl-tert-butyl ether ND ug/L 1.0 1 01/08/19 12:58 1634-04-4 | Chloromethane | ND | ug/L | 4.0 | 1 | 01/08/19 | 12.58 | 74-87-3 | |
| Dibromomethane ND ug/L 4.0 1 01/08/19 12:58 74-95-3 Dichlorodifluoromethane ND ug/L 1.0 1 01/08/19 12:58 75-71-8 Diethyl ether (Ethyl ether) ND ug/L 4.0 1 01/08/19 12:58 60-29-7 Ethylbenzene ND ug/L 1.0 1 01/08/19 12:58 100-41-4 Hexachloro-1,3-butadiene ND ug/L 1.0 1 01/08/19 12:58 87-68-3 Isopropylbenzene (Cumene) ND ug/L 1.0 1 01/08/19 12:58 98-82-8 Methyl-tert-butyl ether ND ug/L 1.0 1 01/08/19 12:58 1634-04-4 | Dibromochloromethane | ND | ug/L | 1.0 | 1 | 01/08/19 | 12.58 | 124-48-1 | |
| Dichlorodifluoromethane ND ug/L 1.0 1 01/08/19 12:58 75-71-8 Dichlorodifluoromethane ND ug/L 4.0 1 01/08/19 12:58 60-29-7 Dichlorodifluoromethane ND ug/L 1.0 1 01/08/19 12:58 60-29-7 Ethylbenzene ND ug/L 1.0 1 01/08/19 12:58 100-41-4 Hexachloro-1,3-butadiene ND ug/L 1.0 1 01/08/19 12:58 87-68-3 Isopropylbenzene (Cumene) ND ug/L 1.0 1 01/08/19 12:58 98-82-8 Methyl-tert-butyl ether ND ug/L 1.0 1 01/08/19 12:58 1634-04-4 | Dibromomethane | ND | ug/L | 4.0 | 1 | 01/08/19 | 12.00 | 74-95-3 | |
| Diethyl ether (Ethyl ether) ND ug/L 4.0 1 01/08/19 12:58 60-29-7 Ethylbenzene ND ug/L 1.0 1 01/08/19 12:58 100-41-4 Hexachloro-1,3-butadiene ND ug/L 1.0 1 01/08/19 12:58 87-68-3 Isopropylbenzene (Cumene) ND ug/L 1.0 1 01/08/19 12:58 98-82-8 Methyl-tert-butyl ether ND ug/L 1.0 1 01/08/19 12:58 1634-04-4 | Dichlorodifluoromethane | | ug/L | 4.0 1 0 | 1 | 01/08/19 | 12.50 | 75-71-8 | |
| Details call Call of the call of | Diethyl ether (Ethyl ether) | ND | ug/L | 4.0 | 1 | 01/08/19 | 12.00 | 60-29-7 | |
| Hexachloro-1,3-butadiene ND ug/L 1.0 1 01/08/19 12:58 87-68-3 Isopropylbenzene (Cumene) ND ug/L 1.0 1 01/08/19 12:58 98-82-8 Methyl-tert-butyl ether ND ug/L 1.0 1 01/08/19 12:58 1634-04-4 | Ethylbenzene | | ug/L | +.0 1 0 | 1 | 01/08/10 | 12.50 | 100-41-4 | |
| ND ug/L 1.0 1 01/06/19 12:58 98-82-8 Methyl-tert-butyl ether ND ug/L 1.0 1 01/08/19 12:58 98-82-8 | Hexachloro-1 3-butadiene | | ug/L | 1.0 | 1 | 01/08/10 | 12.50 | 87-68-3 | |
| Methyl-tert-butyl ether ND ug/L 1.0 1 01/08/19 12:58 1634-04-4 | Isopropylbenzene (Cumene) | | ug/L | 1.0 | 1 | 01/00/19 | 12.50 | 98-82-8 | |
| | Methyl-tert-butyl ether | ND | ua/L | 1.0 | 1 | 01/08/19 | 12:58 | 1634-04-4 | |



Project: 062175-05A-03 PCC Kent

Pace Project No.: 10460485

| Sample: TB-1 | Lab ID: | 10460485006 | Collected: 12/31/2 | 18 07:30 | Received: 01 | /04/19 09:50 N | latrix: Water | |
|---------------------------|--------------|----------------|--------------------|----------|--------------|----------------|---------------|------|
| Parameters | Results | Units | Report Limit | DF | Prepared | Analyzed | CAS No. | Qual |
| 8260B VOC | Analytical I | Vethod: EPA 82 | 260B | | | | | |
| Methylene Chloride | ND | ug/L | 4.0 | 1 | | 01/08/19 12:58 | 75-09-2 | |
| Naphthalene | ND | ug/L | 4.0 | 1 | | 01/08/19 12:58 | 91-20-3 | |
| Styrene | ND | ug/L | 1.0 | 1 | | 01/08/19 12:58 | 100-42-5 | |
| Tetrachloroethene | ND | ug/L | 1.0 | 1 | | 01/08/19 12:58 | 127-18-4 | |
| Tetrahydrofuran | ND | ug/L | 40.0 | 1 | | 01/08/19 12:58 | 109-99-9 | |
| Toluene | ND | ug/L | 1.0 | 1 | | 01/08/19 12:58 | 108-88-3 | |
| Trichloroethene | ND | ug/L | 0.40 | 1 | | 01/08/19 12:58 | 79-01-6 | |
| Trichlorofluoromethane | ND | ug/L | 1.0 | 1 | | 01/08/19 12:58 | 75-69-4 | |
| Vinyl chloride | ND | ug/L | 0.20 | 1 | | 01/08/19 12:58 | 75-01-4 | |
| Xylene (Total) | ND | ug/L | 3.0 | 1 | | 01/08/19 12:58 | 1330-20-7 | |
| cis-1,2-Dichloroethene | ND | ug/L | 1.0 | 1 | | 01/08/19 12:58 | 156-59-2 | |
| cis-1,3-Dichloropropene | ND | ug/L | 4.0 | 1 | | 01/08/19 12:58 | 10061-01-5 | |
| n-Butylbenzene | ND | ug/L | 1.0 | 1 | | 01/08/19 12:58 | 104-51-8 | |
| n-Propylbenzene | ND | ug/L | 1.0 | 1 | | 01/08/19 12:58 | 103-65-1 | |
| p-Isopropyltoluene | ND | ug/L | 1.0 | 1 | | 01/08/19 12:58 | 99-87-6 | |
| sec-Butylbenzene | ND | ug/L | 1.0 | 1 | | 01/08/19 12:58 | 135-98-8 | |
| tert-Butylbenzene | ND | ug/L | 1.0 | 1 | | 01/08/19 12:58 | 98-06-6 | |
| trans-1,2-Dichloroethene | ND | ug/L | 1.0 | 1 | | 01/08/19 12:58 | 156-60-5 | |
| trans-1,3-Dichloropropene | ND | ug/L | 4.0 | 1 | | 01/08/19 12:58 | 10061-02-6 | |
| Surrogates | | | | | | | | |
| 1,2-Dichloroethane-d4 (S) | 101 | %. | 75-125 | 1 | | 01/08/19 12:58 | 17060-07-0 | |
| Toluene-d8 (S) | 101 | %. | 75-125 | 1 | | 01/08/19 12:58 | 2037-26-5 | |
| 4-Bromofluorobenzene (S) | 100 | %. | 75-125 | 1 | | 01/08/19 12:58 | 460-00-4 | |



| Project: | 062175-05A-03 PC | CC Kent | | | | | | | | | | |
|---|------------------|-------------------|--------------------------|-------------|---------|-----------------------|--------|------------|-----------|-----|-----|------|
| Pace Project No.: | 10460485 | | | | | | | | | | | |
| QC Batch: 584106 | | | Analysis Method: | | | EPA 6010D | | | | | | |
| QC Batch Method: EPA 3010 | | | Analysis Description: | | | 6010D Water Dissolved | | | | | | |
| Associated Lab Samples: 10460485001, 10460485002, | | | 10460485003, 10460485004 | | | 10460485005 | 5 | | | | | |
| METHOD BLANK: 3165150 | | | Matrix: Water | | | | | | | | | |
| Associated Lab San | nples: 10460485 | 001, 10460485002, | 104604850 | 003, 104604 | 485004, | 10460485005 | i | | | | | |
| | | | Blank | Re | porting | | | | | | | |
| Parameter | | Units | Result | l | Limit | Analyzed | | Qualifiers | | | | |
| Arsenic, Dissolved | | ug/L | | ND | 20.0 | 0 01/08/19 | 11:58 | | | | | |
| LABORATORY COM | NTROL SAMPLE: | 3165151 | | | | | | | | | | |
| | | | Spike LCS | | | LCS % R | | ; | | | | |
| Parameter Uni | | Units | Conc. | Result | | % Rec | Limits | Q | ualifiers | _ | | |
| Arsenic, Dissolved | | ug/L | 1000 1 | | 1040 | 104 8 | | -120 | | | | |
| MATRIX SPIKE & M | IATRIX SPIKE DUP | LICATE: 316515 | 52 | : | 3165153 | | | | | | | |
| | | | MS | MSD | | | | | | | | |
| | | 10460485001 | Spike | Spike | MS | MSD | MS | MSD | % Rec | | Max | |
| Paramete | er Uni | ts Result | Conc. | Conc. | Result | Result | % Rec | % Rec | Limits | RPD | RPD | Qual |
| Arsenic, Dissolved | ug/ | L ND | 1000 | 1000 | 1030 | 1030 | 103 | 103 | 75-125 | 0 | 20 | |

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.


062175-05A-03 PCC Kent Project:

Pace Project No. 10460485

| Pace | Proj | ect | INO.: | -10 | 0460 | 140 |
|------|------|-----|-------|-----|------|-----|
| | | | | | | |

| QC Batch: | 58439 | 0 | | Analysis Me | ethod: | EPA 8260B | | |
|---------------------|-------|--------------|--------------|--------------|--------------|--------------|-------------|--|
| QC Batch Method: | EPA 8 | 260B | | Analysis De | escription: | 8260B MSV 46 | 5 W | |
| Associated Lab Samp | les: | 10460485001, | 10460485002, | 10460485003, | 10460485004, | 10460485005, | 10460485006 | |

| METHOD BLANK | 3166438 |
|--------------|---------|

Matrix: Water

Associated Lab Samples: 10460485001, 10460485002, 10460485003, 10460485004, 10460485005, 10460485006

| | | Blank | Reporting | | |
|--------------------------------|-------|--------|-----------|----------------|------------|
| Parameter | Units | Result | Limit | Analyzed | Qualifiers |
| 1,1,1,2-Tetrachloroethane | ug/L | ND | 1.0 | 01/08/19 12:42 | |
| 1,1,1-Trichloroethane | ug/L | ND | 1.0 | 01/08/19 12:42 | |
| 1,1,2,2-Tetrachloroethane | ug/L | ND | 1.0 | 01/08/19 12:42 | |
| 1,1,2-Trichloroethane | ug/L | ND | 1.0 | 01/08/19 12:42 | |
| 1,1,2-Trichlorotrifluoroethane | ug/L | ND | 1.0 | 01/08/19 12:42 | |
| 1,1-Dichloroethane | ug/L | ND | 1.0 | 01/08/19 12:42 | |
| 1,1-Dichloroethene | ug/L | ND | 1.0 | 01/08/19 12:42 | |
| 1,1-Dichloropropene | ug/L | ND | 1.0 | 01/08/19 12:42 | |
| 1,2,3-Trichlorobenzene | ug/L | ND | 1.0 | 01/08/19 12:42 | |
| 1,2,3-Trichloropropane | ug/L | ND | 4.0 | 01/08/19 12:42 | |
| 1,2,4-Trichlorobenzene | ug/L | ND | 1.0 | 01/08/19 12:42 | |
| 1,2,4-Trimethylbenzene | ug/L | ND | 1.0 | 01/08/19 12:42 | |
| 1,2-Dibromo-3-chloropropane | ug/L | ND | 10.0 | 01/08/19 12:42 | MN |
| 1,2-Dibromoethane (EDB) | ug/L | ND | 1.0 | 01/08/19 12:42 | |
| 1,2-Dichlorobenzene | ug/L | ND | 1.0 | 01/08/19 12:42 | |
| 1,2-Dichloroethane | ug/L | ND | 1.0 | 01/08/19 12:42 | |
| 1,2-Dichloropropane | ug/L | ND | 4.0 | 01/08/19 12:42 | |
| 1,3,5-Trimethylbenzene | ug/L | ND | 1.0 | 01/08/19 12:42 | |
| 1,3-Dichlorobenzene | ug/L | ND | 1.0 | 01/08/19 12:42 | |
| 1,3-Dichloropropane | ug/L | ND | 1.0 | 01/08/19 12:42 | |
| 1,4-Dichlorobenzene | ug/L | ND | 1.0 | 01/08/19 12:42 | |
| 2,2-Dichloropropane | ug/L | ND | 4.0 | 01/08/19 12:42 | |
| 2-Butanone (MEK) | ug/L | ND | 5.0 | 01/08/19 12:42 | |
| 2-Chlorotoluene | ug/L | ND | 1.0 | 01/08/19 12:42 | |
| 4-Chlorotoluene | ug/L | ND | 1.0 | 01/08/19 12:42 | |
| 4-Methyl-2-pentanone (MIBK) | ug/L | ND | 5.0 | 01/08/19 12:42 | |
| Acetone | ug/L | ND | 20.0 | 01/08/19 12:42 | |
| Allyl chloride | ug/L | ND | 4.0 | 01/08/19 12:42 | |
| Benzene | ug/L | ND | 1.0 | 01/08/19 12:42 | |
| Bromobenzene | ug/L | ND | 1.0 | 01/08/19 12:42 | |
| Bromochloromethane | ug/L | ND | 1.0 | 01/08/19 12:42 | |
| Bromodichloromethane | ug/L | ND | 1.0 | 01/08/19 12:42 | |
| Bromoform | ug/L | ND | 4.0 | 01/08/19 12:42 | |
| Bromomethane | ug/L | ND | 4.0 | 01/08/19 12:42 | |
| Carbon tetrachloride | ug/L | ND | 1.0 | 01/08/19 12:42 | |
| Chlorobenzene | ug/L | ND | 1.0 | 01/08/19 12:42 | |
| Chloroethane | ug/L | ND | 1.0 | 01/08/19 12:42 | |
| Chloroform | ug/L | ND | 1.0 | 01/08/19 12:42 | |
| Chloromethane | ug/L | ND | 4.0 | 01/08/19 12:42 | |
| cis-1,2-Dichloroethene | ug/L | ND | 1.0 | 01/08/19 12:42 | |
| cis-1,3-Dichloropropene | ug/L | ND | 4.0 | 01/08/19 12:42 | |

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.



Project: 062175-05A-03 PCC Kent

Pace Project No.: 10460485

| METHOD BLANK: 3166438 | | Matrix: | Water | | |
|-----------------------------|--------------------------|-----------------|----------------|-----------------|------------|
| Associated Lab Samples: 1 | 0460485001, 10460485002, | 10460485003, 10 | 0460485004, 10 | 460485005, 1046 | 0485006 |
| | | Blank | Reporting | | |
| Parameter | Units | Result | Limit | Analyzed | Qualifiers |
| Dibromochloromethane | ug/L | ND | 1.0 | 01/08/19 12:42 | |
| Dibromomethane | ug/L | ND | 4.0 | 01/08/19 12:42 | |
| Dichlorodifluoromethane | ug/L | ND | 1.0 | 01/08/19 12:42 | |
| Diethyl ether (Ethyl ether) | ug/L | ND | 4.0 | 01/08/19 12:42 | |
| Ethylbenzene | ug/L | ND | 1.0 | 01/08/19 12:42 | |
| Hexachloro-1,3-butadiene | ug/L | ND | 1.0 | 01/08/19 12:42 | |
| Isopropylbenzene (Cumene) | ug/L | ND | 1.0 | 01/08/19 12:42 | |
| Methyl-tert-butyl ether | ug/L | ND | 1.0 | 01/08/19 12:42 | |
| Methylene Chloride | ug/L | ND | 4.0 | 01/08/19 12:42 | |
| n-Butylbenzene | ug/L | ND | 1.0 | 01/08/19 12:42 | |
| n-Propylbenzene | ug/L | ND | 1.0 | 01/08/19 12:42 | |
| Naphthalene | ug/L | ND | 4.0 | 01/08/19 12:42 | |
| p-Isopropyltoluene | ug/L | ND | 1.0 | 01/08/19 12:42 | |
| sec-Butylbenzene | ug/L | ND | 1.0 | 01/08/19 12:42 | |
| Styrene | ug/L | ND | 1.0 | 01/08/19 12:42 | |
| tert-Butylbenzene | ug/L | ND | 1.0 | 01/08/19 12:42 | |
| Tetrachloroethene | ug/L | ND | 1.0 | 01/08/19 12:42 | |
| Tetrahydrofuran | ug/L | ND | 40.0 | 01/08/19 12:42 | MN |
| Toluene | ug/L | ND | 1.0 | 01/08/19 12:42 | |
| trans-1,2-Dichloroethene | ug/L | ND | 1.0 | 01/08/19 12:42 | |
| trans-1,3-Dichloropropene | ug/L | ND | 4.0 | 01/08/19 12:42 | |
| Trichloroethene | ug/L | ND | 0.40 | 01/08/19 12:42 | |
| Trichlorofluoromethane | ug/L | ND | 1.0 | 01/08/19 12:42 | |
| Vinyl chloride | ug/L | ND | 0.20 | 01/08/19 12:42 | |
| Xylene (Total) | ug/L | ND | 3.0 | 01/08/19 12:42 | |
| 1,2-Dichloroethane-d4 (S) | %. | 99 | 75-125 | 01/08/19 12:42 | |
| 4-Bromofluorobenzene (S) | %. | 99 | 75-125 | 01/08/19 12:42 | |
| Toluene-d8 (S) | %. | 103 | 75-125 | 01/08/19 12:42 | |

LABORATORY CONTROL SAMPLE: 3166439

| | | Spike | LCS | LCS | % Rec | |
|--------------------------------|-------|-------|--------|-------|--------|------------|
| Parameter | Units | Conc. | Result | % Rec | Limits | Qualifiers |
| 1,1,1,2-Tetrachloroethane | ug/L | 20 | 20.2 | 101 | 75-125 | |
| 1,1,1-Trichloroethane | ug/L | 20 | 21.2 | 106 | 75-125 | |
| 1,1,2,2-Tetrachloroethane | ug/L | 20 | 19.4 | 97 | 71-128 | |
| 1,1,2-Trichloroethane | ug/L | 20 | 22.3 | 111 | 75-125 | |
| 1,1,2-Trichlorotrifluoroethane | ug/L | 20 | 18.0 | 90 | 73-125 | |
| 1,1-Dichloroethane | ug/L | 20 | 19.0 | 95 | 75-125 | |
| 1,1-Dichloroethene | ug/L | 20 | 16.7 | 83 | 69-125 | |
| 1,1-Dichloropropene | ug/L | 20 | 21.6 | 108 | 73-125 | |
| 1,2,3-Trichlorobenzene | ug/L | 20 | 21.9 | 109 | 70-129 | |
| 1,2,3-Trichloropropane | ug/L | 20 | 21.4 | 107 | 75-125 | |
| 1,2,4-Trichlorobenzene | ug/L | 20 | 19.7 | 98 | 71-126 | |
| 1,2,4-Trimethylbenzene | ug/L | 20 | 20.8 | 104 | 73-127 | |

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS



Project: 062175-05A-03 PCC Kent

Pace Project No.: 10460485

LABORATORY CONTROL SAMPLE: 3166439

| | | Spike | LCS | LCS | % Rec | |
|-----------------------------|-------|-------|--------|-------|----------|------------|
| Parameter | Units | Conc. | Result | % Rec | Limits | Qualifiers |
| 1.2-Dibromo-3-chloropropane | ua/L | | 49.0 | 98 | 66-127 | |
| 1,2-Dibromoethane (EDB) | ua/L | 20 | 21.5 | 107 | 75-125 | |
| 1.2-Dichlorobenzene | ua/L | 20 | 23.4 | 117 | 75-125 | |
| 1.2-Dichloroethane | ug/L | 20 | 20.3 | 102 | 71-125 | |
| 1.2-Dichloropropane | ug/L | 20 | 21.6 | 108 | 72-125 | |
| 1.3.5-Trimethylbenzene | ua/L | 20 | 19.0 | 95 | 75-125 | |
| 1.3-Dichlorobenzene | ua/L | 20 | 21.9 | 109 | 75-125 | |
| 1.3-Dichloropropane | ua/L | 20 | 21.5 | 107 | 75-125 | |
| 1.4-Dichlorobenzene | ua/L | 20 | 21.8 | 109 | 75-125 | |
| 2,2-Dichloropropane | ug/L | 20 | 18.3 | 91 | 65-127 | |
| 2-Butanone (MEK) | ug/L | 100 | 103 | 103 | 74-125 | |
| 2-Chlorotoluene | ug/L | 20 | 19.2 | 96 | 74-125 | |
| 4-Chlorotoluene | ug/L | 20 | 20.1 | 100 | 75-125 | |
| 4-Methyl-2-pentanone (MIBK) | ug/L | 100 | 111 | 111 | 75-132 | |
| Acetone | ug/L | 100 | 104 | 104 | 30-150 | |
| Allyl chloride | ug/L | 20 | 18.6 | 93 | 75-125 | |
| Benzene | ug/L | 20 | 23.4 | 117 | 75-125 | |
| Bromobenzene | ug/L | 20 | 22.8 | 114 | 75-125 | |
| Bromochloromethane | ug/L | 20 | 19.7 | 98 | 74-126 | |
| Bromodichloromethane | ug/L | 20 | 21.4 | 107 | 75-125 | |
| Bromoform | ug/L | 20 | 22.0 | 110 | 74-125 | |
| Bromomethane | ug/L | 20 | 25.6 | 128 | 30-150 S | S |
| Carbon tetrachloride | ug/L | 20 | 20.8 | 104 | 70-125 | |
| Chlorobenzene | ug/L | 20 | 23.6 | 118 | 75-125 | |
| Chloroethane | ug/L | 20 | 18.0 | 90 | 64-129 | |
| Chloroform | ug/L | 20 | 19.7 | 98 | 75-125 | |
| Chloromethane | ug/L | 20 | 16.9 | 85 | 67-125 | |
| cis-1,2-Dichloroethene | ug/L | 20 | 18.5 | 92 | 73-125 | |
| cis-1,3-Dichloropropene | ug/L | 20 | 23.1 | 115 | 75-125 | |
| Dibromochloromethane | ug/L | 20 | 20.6 | 103 | 75-125 | |
| Dibromomethane | ug/L | 20 | 23.0 | 115 | 75-125 | |
| Dichlorodifluoromethane | ug/L | 20 | 15.8 | 79 | 65-129 | |
| Diethyl ether (Ethyl ether) | ug/L | 20 | 19.9 | 100 | 74-125 | |
| Ethylbenzene | ug/L | 20 | 21.7 | 108 | 75-125 | |
| Hexachloro-1,3-butadiene | ug/L | 20 | 20.9 | 105 | 66-137 | |
| Isopropylbenzene (Cumene) | ug/L | 20 | 20.1 | 101 | 75-125 | |
| Methyl-tert-butyl ether | ug/L | 20 | 19.5 | 98 | 75-125 | |
| Methylene Chloride | ug/L | 20 | 18.7 | 93 | 72-125 | |
| n-Butylbenzene | ug/L | 20 | 22.3 | 111 | 69-132 | |
| n-Propylbenzene | ug/L | 20 | 19.5 | 97 | 74-125 | |
| Naphthalene | ug/L | 20 | 21.2 | 106 | 63-125 | |
| p-Isopropyltoluene | ug/L | 20 | 21.1 | 105 | 75-125 | |
| sec-Butylbenzene | ug/L | 20 | 20.6 | 103 | 75-125 | |
| Styrene | ug/L | 20 | 21.2 | 106 | 75-125 | |
| tert-Butylbenzene | ug/L | 20 | 21.2 | 106 | 75-125 | |
| Tetrachloroethene | ug/L | 20 | 21.9 | 109 | 75-125 | |
| Tetrahydrofuran | ug/L | 200 | 276 | 138 | 30-150 | |

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS



Project: 062175-05A-03 PCC Kent

Pace Project No.: 10460485

LABORATORY CONTROL SAMPLE: 3166439

| | | Spike | LCS | LCS | % Rec | |
|---------------------------|-------|-------|--------|-------|--------|------------|
| Parameter | Units | Conc. | Result | % Rec | Limits | Qualifiers |
| Toluene | ug/L | 20 | 22.6 | 113 | 75-125 | |
| trans-1,2-Dichloroethene | ug/L | 20 | 16.2 | 81 | 70-125 | |
| trans-1,3-Dichloropropene | ug/L | 20 | 22.1 | 110 | 75-125 | |
| Trichloroethene | ug/L | 20 | 21.9 | 110 | 74-125 | |
| Trichlorofluoromethane | ug/L | 20 | 20.8 | 104 | 74-125 | |
| Vinyl chloride | ug/L | 20 | 17.7 | 88 | 71-125 | |
| Xylene (Total) | ug/L | 60 | 62.5 | 104 | 75-125 | |
| 1,2-Dichloroethane-d4 (S) | %. | | | 100 | 75-125 | |
| 4-Bromofluorobenzene (S) | %. | | | 101 | 75-125 | |
| Toluene-d8 (S) | %. | | | 104 | 75-125 | |
| | | | | | | |

| MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3166561 3166562 | | | | | | | | | | | | |
|--|-------|-------------|-------|-------|--------|--------|-------|-------|--------|-----|-----|------|
| | | | MS | MSD | | | | | | | | |
| | | 10460826001 | Spike | Spike | MS | MSD | MS | MSD | % Rec | | Max | |
| Parameter | Units | Result | Conc. | Conc. | Result | Result | % Rec | % Rec | Limits | RPD | RPD | Qual |
| 1,1,1,2-Tetrachloroethane | ug/L | ND | 100 | 100 | 97.3 | 107 | 97 | 107 | 30-150 | 9 | 30 | |
| 1,1,1-Trichloroethane | ug/L | ND | 100 | 100 | 100 | 110 | 100 | 110 | 30-150 | 9 | 30 | |
| 1,1,2,2-Tetrachloroethane | ug/L | ND | 100 | 100 | 91.0 | 96.9 | 91 | 97 | 30-150 | 6 | 30 | |
| 1,1,2-Trichloroethane | ug/L | ND | 100 | 100 | 110 | 115 | 110 | 115 | 30-150 | 5 | 30 | |
| 1,1,2-Trichlorotrifluoroethane | ug/L | ND | 100 | 100 | 79.8 | 81.3 | 80 | 81 | 30-150 | 2 | 30 | |
| 1,1-Dichloroethane | ug/L | ND | 100 | 100 | 96.1 | 94.8 | 96 | 95 | 30-150 | 1 | 30 | |
| 1,1-Dichloroethene | ug/L | ND | 100 | 100 | 73.6 | 75.3 | 74 | 75 | 30-150 | 2 | 30 | |
| 1,1-Dichloropropene | ug/L | ND | 100 | 100 | 100 | 110 | 100 | 110 | 30-150 | 10 | 30 | |
| 1,2,3-Trichlorobenzene | ug/L | ND | 100 | 100 | 102 | 113 | 102 | 113 | 30-150 | 10 | 30 | |
| 1,2,3-Trichloropropane | ug/L | ND | 100 | 100 | 104 | 105 | 104 | 105 | 30-150 | 1 | 30 | |
| 1,2,4-Trichlorobenzene | ug/L | ND | 100 | 100 | 88.6 | 100 | 89 | 100 | 30-150 | 12 | 30 | |
| 1,2,4-Trimethylbenzene | ug/L | ND | 100 | 100 | 91.3 | 105 | 91 | 105 | 30-150 | 14 | 30 | |
| 1,2-Dibromo-3- | ug/L | ND | 250 | 250 | 248 | 250 | 99 | 100 | 30-150 | 1 | 30 | |
| chloropropane | | | | | | | | | | | | |
| 1,2-Dibromoethane (EDB) | ug/L | ND | 100 | 100 | 101 | 107 | 101 | 107 | 30-150 | 6 | 30 | |
| 1,2-Dichlorobenzene | ug/L | ND | 100 | 100 | 105 | 119 | 105 | 119 | 30-150 | 13 | 30 | |
| 1,2-Dichloroethane | ug/L | ND | 100 | 100 | 99.7 | 109 | 100 | 109 | 30-150 | 8 | 30 | |
| 1,2-Dichloropropane | ug/L | ND | 100 | 100 | 99.1 | 110 | 99 | 110 | 30-150 | 11 | 30 | |
| 1,3,5-Trimethylbenzene | ug/L | ND | 100 | 100 | 84.4 | 98.5 | 84 | 99 | 30-150 | 15 | 30 | |
| 1,3-Dichlorobenzene | ug/L | ND | 100 | 100 | 96.9 | 109 | 97 | 109 | 30-150 | 12 | 30 | |
| 1,3-Dichloropropane | ug/L | ND | 100 | 100 | 103 | 111 | 103 | 111 | 30-150 | 8 | 30 | |
| 1,4-Dichlorobenzene | ug/L | ND | 100 | 100 | 96.2 | 111 | 96 | 111 | 30-150 | 14 | 30 | |
| 2,2-Dichloropropane | ug/L | ND | 100 | 100 | 84.7 | 93.4 | 85 | 93 | 30-150 | 10 | 30 | |
| 2-Butanone (MEK) | ug/L | ND | 500 | 500 | 517 | 524 | 103 | 105 | 30-150 | 1 | 30 | |
| 2-Chlorotoluene | ug/L | ND | 100 | 100 | 83.8 | 96.7 | 84 | 97 | 30-150 | 14 | 30 | |
| 4-Chlorotoluene | ug/L | ND | 100 | 100 | 89.4 | 102 | 89 | 102 | 30-150 | 13 | 30 | |
| 4-Methyl-2-pentanone (MIBK) | ug/L | ND | 500 | 500 | 546 | 551 | 109 | 110 | 30-150 | 1 | 30 | |
| Acetone | ug/L | ND | 500 | 500 | 481 | 549 | 94 | 108 | 30-150 | 13 | 30 | |
| Allyl chloride | ug/L | ND | 100 | 100 | 84.9 | 87.8 | 85 | 88 | 30-147 | 3 | 30 | |
| Benzene | ug/L | ND | 100 | 100 | 108 | 120 | 108 | 120 | 30-150 | 10 | 30 | |

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS



Project: 062175-05A-03 PCC Kent

Pace Project No.: 10460485

| JATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3166561 3166562 | | | | | | | | | | | | |
|--|-------|-------------|-------|-------|--------|--------|-------|-------|--------|-----|-----|------|
| | | | MS | MSD | | | | | | | | |
| | | 10460826001 | Spike | Spike | MS | MSD | MS | MSD | % Rec | | Max | |
| Parameter | Units | Result | Conc. | Conc. | Result | Result | % Rec | % Rec | Limits | RPD | RPD | Qual |
| Bromobenzene | ug/L | ND | 100 | 100 | 102 | 117 | 102 | 117 | 30-150 | 13 | 30 | |
| Bromochloromethane | ug/L | ND | 100 | 100 | 89.4 | 98.8 | 89 | 99 | 30-150 | 10 | 30 | |
| Bromodichloromethane | ug/L | ND | 100 | 100 | 101 | 113 | 101 | 113 | 30-150 | 11 | 30 | |
| Bromoform | ug/L | ND | 100 | 100 | 108 | 116 | 108 | 116 | 30-150 | 7 | 30 | |
| Bromomethane | ug/L | ND | 100 | 100 | 105 | 106 | 104 | 104 | 30-150 | 0 | 30 | SS |
| Carbon tetrachloride | ug/L | ND | 100 | 100 | 93.4 | 106 | 93 | 106 | 30-150 | 12 | 30 | |
| Chlorobenzene | ug/L | ND | 100 | 100 | 108 | 119 | 108 | 119 | 30-150 | 10 | 30 | |
| Chloroethane | ug/L | ND | 100 | 100 | 68.8 | 83.2 | 69 | 83 | 30-150 | 19 | 30 | |
| Chloroform | ug/L | ND | 100 | 100 | 91.8 | 102 | 90 | 100 | 30-150 | 10 | 30 | |
| Chloromethane | ug/L | ND | 100 | 100 | 79.2 | 90.6 | 79 | 91 | 30-150 | 13 | 30 | |
| cis-1,2-Dichloroethene | ug/L | ND | 100 | 100 | 89.6 | 98.5 | 90 | 98 | 30-150 | 9 | 30 | |
| cis-1,3-Dichloropropene | ug/L | ND | 100 | 100 | 103 | 115 | 103 | 115 | 30-145 | 11 | 30 | |
| Dibromochloromethane | ug/L | ND | 100 | 100 | 102 | 109 | 102 | 109 | 30-150 | 7 | 30 | |
| Dibromomethane | ug/L | ND | 100 | 100 | 105 | 116 | 105 | 116 | 30-150 | 9 | 30 | |
| Dichlorodifluoromethane | ug/L | ND | 100 | 100 | 88.0 | 96.3 | 88 | 96 | 30-150 | 9 | 30 | |
| Diethyl ether (Ethyl ether) | ug/L | ND | 100 | 100 | 86.0 | 84.1 | 86 | 84 | 30-150 | 2 | 30 | |
| Ethylbenzene | ug/L | ND | 100 | 100 | 98.7 | 112 | 99 | 112 | 30-150 | 13 | 30 | |
| Hexachloro-1,3-butadiene | ug/L | ND | 100 | 100 | 95.2 | 110 | 95 | 110 | 30-150 | 14 | 30 | |
| Isopropylbenzene (Cumene) | ug/L | ND | 100 | 100 | 92.7 | 107 | 93 | 107 | 30-150 | 14 | 30 | |
| Methyl-tert-butyl ether | ug/L | ND | 100 | 100 | 95.0 | 97.3 | 95 | 97 | 30-150 | 2 | 30 | |
| Methylene Chloride | ug/L | ND | 100 | 100 | 86.5 | 91.3 | 85 | 90 | 30-146 | 5 | 30 | |
| n-Butylbenzene | ug/L | ND | 100 | 100 | 98.1 | 113 | 98 | 113 | 30-150 | 14 | 30 | |
| n-Propylbenzene | ug/L | ND | 100 | 100 | 86.0 | 99.2 | 86 | 99 | 30-150 | 14 | 30 | |
| Naphthalene | ug/L | ND | 100 | 100 | 104 | 111 | 101 | 107 | 30-150 | 6 | 30 | |
| p-Isopropyltoluene | ug/L | ND | 100 | 100 | 92.8 | 108 | 93 | 108 | 30-150 | 16 | 30 | |
| sec-Butylbenzene | ug/L | ND | 100 | 100 | 91.6 | 106 | 92 | 106 | 30-150 | 15 | 30 | |
| Styrene | ug/L | ND | 100 | 100 | 99.7 | 109 | 100 | 109 | 30-150 | 9 | 30 | |
| tert-Butylbenzene | ug/L | ND | 100 | 100 | 94.5 | 110 | 94 | 110 | 30-150 | 15 | 30 | |
| Tetrachloroethene | ug/L | ND | 100 | 100 | 96.5 | 105 | 96 | 105 | 30-150 | 9 | 30 | |
| Tetrahydrofuran | ug/L | ND | 1000 | 1000 | 1260 | 1450 | 126 | 145 | 30-150 | 14 | 30 | |
| Toluene | ug/L | ND | 100 | 100 | 103 | 112 | 103 | 112 | 30-150 | 8 | 30 | |
| trans-1,2-Dichloroethene | ug/L | ND | 100 | 100 | 75.7 | 81.9 | 76 | 82 | 30-150 | 8 | 30 | |
| trans-1,3-Dichloropropene | ug/L | ND | 100 | 100 | 108 | 114 | 108 | 114 | 30-150 | 5 | 30 | |
| Trichloroethene | ug/L | ND | 100 | 100 | 99.6 | 111 | 100 | 111 | 30-150 | 11 | 30 | |
| Trichlorofluoromethane | ug/L | ND | 100 | 100 | 80.6 | 91.2 | 81 | 91 | 30-150 | 12 | 30 | |
| Vinyl chloride | ug/L | ND | 100 | 100 | 79.7 | 89.2 | 80 | 89 | 30-150 | 11 | 30 | |
| Xylene (Total) | ug/L | ND | 300 | 300 | 292 | 324 | 97 | 108 | 30-150 | 11 | 30 | |
| 1,2-Dichloroethane-d4 (S) | %. | | | | | | 102 | 101 | 75-125 | | | |
| 4-Bromofluorobenzene (S) | %. | | | | | | 101 | 99 | 75-125 | | | |
| Toluene-d8 (S) | %. | | | | | | 104 | 105 | 75-125 | | | |

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS



QUALIFIERS

Project: 062175-05A-03 PCC Kent

Pace Project No.: 10460485

DEFINITIONS

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

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

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

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

S - Surrogate

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

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

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

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

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

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

TNI - The NELAC Institute.

LABORATORIES

PASI-M Pace Analytical Services - Minneapolis

ANALYTE QUALIFIERS

- MN The reporting limit has been raised in accordance with Minnesota Statutes 4740.2100 Subpart 8. C, D. Reporting Limit Evaluation Rule.
- SS This analyte did not meet the secondary source verification criteria for the initial calibration. The reported result should be considered an estimated value.



METHOD CROSS REFERENCE TABLE

 Project:
 062175-05A-03 PCC Kent

 Pace Project No.:
 10460485

 Parameter
 Matrix
 Analytical Method
 Preparation Method

| | Манх | | |
|-----------|-------|--------------------|-----|
| 8260B VOC | Water | SW-846 8260B/5030B | N/A |



QUALITY CONTROL DATA CROSS REFERENCE TABLE

 Project:
 062175-05A-03 PCC Kent

 Pace Project No.:
 10460485

| Lab ID | Sample ID | QC Batch Method | QC Batch | Analytical Method | Analytical Batch |
|-------------|-----------|-----------------|----------|-------------------|---------------------|
| 10460485001 | MW-1 | EPA 3010 | 584106 | EPA 6010D | 584386 |
| 10460485002 | MW-3R | EPA 3010 | 584106 | EPA 6010D | 584386 |
| 10460485003 | MW-6 | EPA 3010 | 584106 | EPA 6010D | 584386 |
| 10460485004 | MW-7 | EPA 3010 | 584106 | EPA 6010D | 584386 |
| 10460485005 | MW-9 | EPA 3010 | 584106 | EPA 6010D | 584386 |
| 10460485001 | MW-1 | EPA 8260B | 584390 | | |
| 10460485002 | MW-3R | EPA 8260B | 584390 | | |
| 10460485003 | MW-6 | EPA 8260B | 584390 | | |
| 10460485004 | MW-7 | EPA 8260B | 584390 | | |
| 10460485005 | MW-9 | EPA 8260B | 584390 | | |
| 10460485006 | TB-1 | EPA 8260B | 584390 | | |

CHAIN-OF-CUSTODY / Analytical Request Document The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

| 210 | | Section B | | Section C | | | Page: 10f1 | | |
|--|---|--|--|--|--|---|---|--|--|
| Section A Required Project Information: | | | | Invoice Information: | | —————————————————————————————————————— | | | |
| Required Client Information: Report To: christina.mcclelland | | | nd@ghd.com | Attention: | UD Condicon | | | | |
| Company: | GHD Services | Copy To: jeffrey.cloud@ghc | I.com | Company Name: G | | | Regulatory Agency | | |
| | | | · | Address: | | | | | |
| | Lynnwood, WA source | Purchase Order No. | | Pace Quote Referen | | | State / Location | | |
| Email Io: | Eav | Client Project ID: 062175-05A-0 | 3 PCC - Kent | Pace Project Manage | | | Kent/ WA | | |
| hone: | Dury Deto(TAT: 10 Day (Standard) | Container Order Number: | | Pace Profile #: | | Requested Analysis Filtered (Y/N) | | | |
| Requested | bue bale/TAT. To bay (Glandard) | | | | The second secon | | | | |
| #W911 2 3 3 4 4 5 5 6 6 7 8 9 9 9 9 10 10 | SAMPLE ID MATRIX One Character per box. (A-Z, 0-9 / , -) Sample Ids must be unique SolfGold Off Off MW-1 Other MW-28 MW-7 MW-7 MW-9 TB-1 COMMENTS | Vater DW WT ter WW SL 0 990 0 970 0 9720 SL 0 990 0 9720 0 9720 0 9720 SL 0 990 0 9720 0 9720 0 9720 SL 0 990 0 9720 0 9720 0 9720 0 9720 SL 0 990 0 9720 0 9720 0 9720 0 9720 SL 0 990 0 9720 0 9720 0 9720 0 9720 SL 0 990 0 9720 0 9720 0 9720 0 9720 0 9720 SL 0 990 0 9720 0 9 | COLLECTED T END TIME DATE TIME 5745 57 | Pres | ervatives X X X X X X X X | WO#:10 10450485 10450485 10450485 X | 460485 | | |
| | ADDITION | | 1/3/4 | 8 1600 | SHEPPED, VEA FE | DEX | | | |
| **Lab to t | litter and preserve | <u>Ant</u> | | | Eng file | 1/4/19/0 | 9.502.6 7 1 7 | | |
| | | | | | | | | | |
| | | | SAMPLER NAME AND SIG PRINT Name of SAMF | GNATURE PLER: LEE BUI | 25 | | MP in C ceived on (Y/N) oler (Y/N) | | |
| | | | SIGNATURE OF SAME | PLER | 8 | DATE Signed: 12/3/18 | i ^{igned:} <u>7/3/18</u> <u>₽</u> <u>3</u> <u>3</u> <u>4</u> Page 28 of 3 | | |

Pace Analytical

| | Docu | iment Na | ame: | Document Revised: 310ct2018 | |
|---|--------------------------------------|------------------------------------|-------------------|---|---------|
| Pace Analytical" | Doc | ument N | lo.: | Issuing Authority: | |
| | F-MN-L-213-rev.24 | | | Pace Minnesota Quality Office | |
| Upon Receipt Client Name: | | Pr Clie | roject #: | WO#: 10460485 PM: JMG Due Date: 01/18/19 | · · · |
| Commercial Pace SpeeDee | Other: | | | CLIENT: GHD_PCC Aero | |
| Tracking Number: <u>9986 7790</u> | 780 | | | | |
| Custody Seal on Cooler/Box Present? | io Se | als Intac | t? 🗹 | es No Optional: Proj. Due Date. Proj. Name | |
| Packing Material: 🔲 Bubble Wrap 🔄 Bubble Bag | s 🗌 None | []Ot | her: | Temp Blank? | |
| hermometer G87A9170600254 Used: G87A9155100842 Cooler Temp Read (°C): 2.6 Cooler Temp Read (°C): 3.6 Cooler Temp Read (°C): 3.6 | Type o orrected (°C): ctor:/// | of Ice: <u>26</u> 1 <u>K</u> | Date | Blue None Dry Melted Biological Tissue Frozen? Yes No and Initials of Person Examining Contents: | N/A |
| id samples originate in a quarantine zone within the United C. NM. NY. OK. OR, SC, TN, TX or VA (check maps)? | d States: AL, AR | t, CA, FL, (∐Ye: | GA, ID, LA s 🗌 | MS, Did samples originate from a foreign source (internation including Hawaii and Puerto Rico)? | ally, |
| If Yes to either question, fill out a R | egulated Soil | Checklist | : (F-MN-0 | -338) and include with SCUR/COC paperwork. | |
| | | | | COMMENTS: | |
| hain of Custody Present? | Yes | No | | 1 | |
| hain of Custody Filled Out? | | No | | 2 | · · · |
| Chain of Custody Relinquished? | Yes | <u>No</u> | | 3 | _ |
| ampler Name and/or Signature on COC? | Yes | | | <u>4.</u> | |
| amples Arrived within Hold Time? | Xfes | | | 5 | |
| hort Hold Time Analysis (<72 hr)? | Yes | | | b | |
| Rush Turn Around Time Requested? | Yes | No | | 7 | |
| Sufficient Volume? | ¥es | No | | 8 | |
| Correct Containers Used? | ⊡¶es | ∐No — | | 9. | |
| -Pace Containers Used? | - Yes | No | | | |
| Containers Intact? | Ves | No | | 10. | |
| Filtered Volume Received for Dissolved Tests? | Yes | No | ₫'n/A_ | 11. Note if sediment is visible in the dissolved container | |
| Is sufficient information available to reconcile the samples the COC? | to 🖻 Yes | □No | | 12. Decitive | for Po |
| All containers needing acid/base preservation have been checked? All containers needing preservation are found to be in compliance with EPA recommendation? | Yes | No | | 13. | ≥? Y Ì |
| (HNO ₃ , H ₂ SO ₄ , <2pH, NaOH >9 Sulfide, NaOH>12 Cyanide) Exceptions, VOA, Coliform, TOC/DOC Oil and Grease, DRO (8015, Data and Dioxin /PEAS | ∐Yes | | L,⊒₩7A | Initial when Lot # of added completed: preservative: | |
| Unoyouto (Water) and Dioxin/FEAs | Yes | | N/A | 14. Se GOGATION | |
| Trin Blank Present? | <u> </u> | | □n/a | 15. | |
| Trip Blank Custody Seals Present? | | No | □n/a | | |
| Pace Trip Blank Lot # (if purchased): 86447 | | | | | |
| CLIENT NOTIFICATION/RESOLUTION | | | | Field Data Required? | lo |
| Person Contacted: | | | | | |
| Comments/Resolution: | | | | | |
| | _ _ | | | | |
| Project Manager Review: Note: Whenever there is a discrepancy affecting North (hold, incorrect preservative, out of temp, incorrect containers | ENNI GROSS | amples, a | copy of th | Date: 01/04/19 is form will be sent to the North Carolina DEHNR Certification Office | (i.e ou |

| | Pace Minnesota Quality Office | F-MN-L-213-rev.24 | Page 30 of 31 |
|---|-------------------------------|------------------------------------|---|
| | stinodtuA gnineel | Document No.: | |
| ĺ | Page 2 of 2 | Sample Condition Upon Receipt Form | |
| | Document Revised: 310ct2018 | Document Name: | and a start and |

| | Workorder #: | | SCUR Exceptions: |
|---|----------------------------------|-------|---------------------------------------|
| Container Type/# | al alqme2 | | ənssı |
| | $\mathcal{C} = \mathcal{E}(1+b)$ | 1+9-1 | And amot old |
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selqme2 bevreserved for Preserved Samples

| | | | * | | | | | |
|--------------------|---------------------------------|-----------------------------------|--|----------------------------------|----------------------------------|----------------------|-------------------------|-----------|
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| | | | | | | | | - |
| 2 sleitin <u>l</u> | həfter PHAfter TnəmtsulbA | Lot # of Preservative Paded | Amount of Additional Preservative Added | 9miT Preservation Pdiusted | Date Preservation Adjusted | noqU Hq , Iqi∋ɔəЯ | Type of Preservative | Ol slqme2 |

Document Name: Pace Analytical Document Revised: 17Dec2018 Headspace Exception Page 1 of 1 Document No.: F-MN-C-276-Rev.01 Issuing Authority: Pace Minnesota Quality Office Sample ID Headspace Headspace No Total Vials greater Sediment less than Headspace than 6mm Present? 6mm MW-3R 2 3 (N MW - 63 3 Ċ) \mathcal{N} MW-7 Trip blank 3 3 \bigwedge 2 \mathcal{N}

Appendix E Wellhead Survey Report



| Coordinate System | | UTM Zone | Vertical Datum | Quad Map | Address | | | |
|----------------------|--------------|-------------|----------------|-----------------|---------------------|---------|---------|--|
| Nad 83/2011 Epoch | | 10 | NAVD 88 | Renton | 1208 4th Ave. North | | | |
| 2010.0000 Washington | | | (geoid2012a) | | Kent, WA 98032 | | | |
| Plane North | n Zone 4601 | | | | | | | |
| in US Surve | y Feet | | | | | | | |
| | | | | | | | | |
| Well | Northing (Y) | Easting (X) | Latitude | Longitude | El. Surface | El. Rim | El. PVC | |
| | | | | | | | | |
| MW-1 | 147792.11 | 1292862.32 | N47°23'47.312" | W122°14'11.934" | 38.92 | 38.90 | 38.59 | |
| MW-2 | 147789.90 | 1292937.68 | N47°23'47.304" | W122°14'10.839" | 38.56 | 38.58 | 38.27 | |
| MW-3 | 147667.04 | 1292848.53 | N47°23'46.076" | W122°14'12.101" | 38.85 | 38.87 | 38.61 | |
| MW-3R | 147669.95 | 1292872.34 | N47°23'46.109" | W122°14'11.756" | 38.35 | 38.35 | 37.92 | |
| MW-4 | 147648.98 | 1293135.45 | N47°23'45.949" | W122°14'07.927" | 37.00 | 37.02 | 36.56 | |
| MW-5 | 147771.83 | 1293137.91 | N47°23'47.162" | W122°14'07.924" | 37.36 | 37.37 | 37.00 | |
| MW-6 | 147572.25 | 1292821.62 | N47°23'45.135" | W122°14'12.467" | 39.73 | 39.75 | 39.38 | |
| MW-7 | 147595.05 | 1292730.42 | N47°23'45.344" | W122°14'13.799" | 38.70 | 38.70 | 38.21 | |
| MW-8 | 147343.70 | 1292761.86 | N47°23'42.869" | W122°14'13.275" | 39.44 | 39.49 | 38.98 | |
| MW-9 | 147656.17 | 1292903.02 | N47°23'45.978" | W122°14'11.307" | 38.08 | 38.12 | 37.70 | |
| SB-1 | 147766 29 | 1292897 61 | N47°23'47 064" | W122°14'11 415" | 37 39 | | | |
| SB-2 | 147747.57 | 1292869.61 | N47°23'46.874" | W122°14'11.817" | 38.32 | | | |
| SB-3 | 147707.71 | 1292882.47 | N47°23'46.483" | W122°14'11.619" | 38.29 | | | |
| SB-4 | 147664.27 | 1292850.57 | N47°23'46.049" | W122°14'12.071" | 38.77 | | | |
| SB-5 | 147619.79 | 1292850.57 | N47°23'45.610" | W122°14'12.059" | 38.89 | | | |
| SB-6 | 147617.02 | 1292884.02 | N47°23'45.588" | W122°14'11.573" | 38.13 | | | |
| SB-7 | 147566.21 | 1292761.54 | N47°23'45.065" | W122°14'13.339" | 38.88 | | | |
| | | | | | | | | |
| SG-1 | 147655.2404 | 1292849.005 | N47°23'45.959" | W122°14'12.091" | 38.85 | | | |
| SG-2 | 147623.9941 | 1292845.091 | N47°23'45.650" | W122°14'12.140" | 39.08 | | | |



MONITORING WELL SURVEY

1208 4TH AVE N. KENT, WASHINGTON

SITUATED IN THE NORTHEAST QUARTER OF SECTION 13, TOWNSHIP 22 NORTH, RANGE 4 EAST OF THE WILLAMETTE MERIDIAN, CITY OF KENT, COUNTY OF KING, STATE OF



120



= MONITORING WELL AS NOTED

= SITE BENCHMARK AS NOTED.

WASHINGTON STATE PLANE COORDINATE SYSTEM NAD 83/2011 EPCOH 2010.0000 NORTH ZONE 4601,

CP-1(MAG NAIL). ELEVATION OF MARK IS 38.12

CP-2(MAG NAIL). ELEVATION OF MARK IS 39.81

CP-3(MAG NAIL). ELEVATION OF MARK IS 38.59 FEET CP-4(MAG NAIL). ELEVATION OF MARK IS

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03/04/19 DATE: (DATE: DATE: REVISED REVIEW DRAWN REVIEWED: G.D.S. DRAWN: G.W.E. 7 SHEET: -083 2015-JOB NUMBER: 1"=60' CLIENT: GHD SCALE: SURVEYING.COM 97030 5-7988 COM -665-ОR YING. GRESHAM, 7 F: 503-TEWIDES SUR SURVEY@STA1 EWID 7777 AVE. 665in AVA WWW. NW A 503-0: 503 EMAIL: WEB: W 43





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