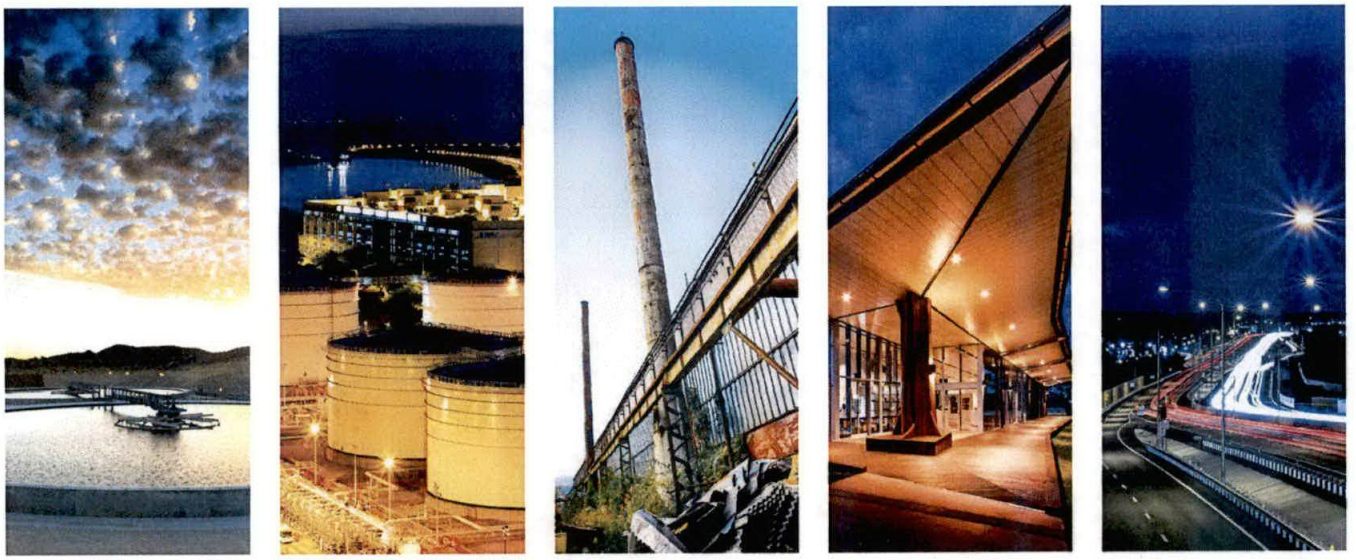

Remedial Investigation Report

Protective Coatings Facility
1215 2nd Avenue North & 1208 4th Avenue North
Kent, Washington
Facility No. 85155236
Cleanup Site ID 12337
VCP No. NW2843

20818 44th Ave West Suite 190 Lynnwood Washington 98036
062175 | Report No 6 | August 06 2015

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1. Introduction

GHD Services Inc. (GHD), on behalf of PCC Aerostructures, Inc. (PCC) prepared this *Remedial Investigation Report (RI)* for the Protective Coatings Facility at 1215 2nd Avenue North and 1208 4th Avenue North, Kent, King County, Washington (Property). This RI report was prepared to satisfy the requirements of the Washington Administrative Code (WAC) 173-340-350 and summarizes remedial investigation findings for the site.

2. Site Summary

2.1 Property Use and Description

The Property is located in the north central portion of Kent, Washington, northwest of Highway 167 (Figure 1). The Property covers an area of approximately 4.3 acres of level land and is used for industrial purposes. Currently, the Property is used as a metals plating facility. Land use and zoning in the vicinity of the Property is industrial.

The layout of the Property is shown on Figure 2A. Facilities consist of two large production floors, one packaging/shipping warehouse, one general use warehouse, and an outdoor wastewater treatment and chemical storage area. Detailed current and historical facilities are shown on Figures 2B and 2C.

The Property is located within the Green River Valley at approximately 40 feet above mean sea level. The local topography is relatively flat within the vicinity of the Property with hills located toward the east and west. The nearest surface water bodies are a group of small lakes and ponds located approximately 1.2 miles southwest followed by Green River located approximately 1.4 miles southwest. The Property is located approximately 4.2 miles east of Puget Sound. An area map showing surrounding properties is included as Figure 3.

2.2 Site Discovery and Regulatory Status

Below is a summary of environmental investigations conducted on the Property to date. Historical soil, groundwater, and soil gas sampling locations are provided on Figure 4. Based on the industrial zoning and land use of the Property, MTCA Method C cleanup levels are appropriate for the Property and all investigation data herein will be compared to the MTCA Method C cleanup levels. Further discussion of cleanup standards is included in Section 6.0.

2.2.1 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 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.

2.2.2 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 were 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 (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).

2.2.3 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.

2.2.4 Ecology Notification

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 2A. The Site boundary is dashed where inferred.

2.3 Neighborhood Setting

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 Can.

An area map showing surrounding properties is included as Figure 3.

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 2A. 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 weekly 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.

2.5 Past Property Uses and Facilities

Based on a review of historical reports, county assessor records, historical aerial photographs, and Ecology 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 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.

[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.

2.6 Current Property Use and Facilities

The Property is currently occupied by a metals plating facility consisting of two large production floors, one packaging/shipping warehouse, one general use warehouse, and an outdoor wastewater treatment and chemical storage space.

2.7 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.

Up-gradient properties: There are five up-gradient 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 up-gradient 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 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 up-gradient 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 2003. This property is 0.12 mile up-gradient 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 up-gradient 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 up-gradient of the subject Property. It is unlikely that this property presents a source of contamination to the Site.

Cross-gradient properties: 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

Down-gradient properties: 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 up-gradient 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 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 5 and 6, respectively). Soils were logged using the Unified Soil Classification System. Based on these interpretations, soil appears to consist of artificial fill and/or alluvium consisting of poorly graded sand and silty sand in the upper approximately 5 to 10 feet 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 5 and 6 represent GHD's interpretation of the lithology. Boring logs are included as Appendix A.

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.

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 up-gradient of the Site to the northeast, and were completed to depths between 68 and 135 feet bgs. Three wells are located cross-gradient of the Site to the northwest, and were completed to depths between 60 and 87 feet bgs. One well is located down-gradient of the Site to the southwest, and was completed to 650 feet bgs. One additional well was identified by Ecology in an area cross-gradient 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-gradient 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-gradient 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. Historical groundwater elevations for Site wells are presented on Tables 1A and 1B. A groundwater contour and chemical concentration map from the June 2015 sampling event is included as Figure 7.

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 is included as Appendix C in addition to an aerial map depicting a 500-foot radius around the Site.

4. Contaminant Occurrence and Movement

4.1 Summary of Previous Investigations

A total of nine monitoring wells, nine soil borings, four soil gas probes, and eleven 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, data provided herein

A complete chronological summary of work completed at the Site during the previous investigations listed above is included in Section 2.2. Reports summarized represent all available investigation reports obtained by or provided to GHD. A summary of groundwater monitoring results is presented

in Tables 1A and 1B, a summary of historical soil analytical data are presented in Table 2, and soil gas and ambient air data are presented in Table 3.

4.1.1 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.

On May 11 through 14, 2015, Holt Services, Inc. (Holt), under the direction of 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.

Soil borings SB-1 through SB-3 were advanced to characterize the current soil conditions in the vicinity of former sediment sampling location CB-1 and north, northwest, and west of the wastewater treatment area, respectively. Soil boring SB-4 was advanced to characterize the current soil conditions in the vicinity of MW-3 and the chemical bunkers. Soil boring SB-5 was advanced to characterize the current soil conditions in the vicinity of soil gas sampling location SG-2 and the chemical bunkers. Soil boring SB-6 was advanced to characterize the current soil conditions in the vicinity of former soil sampling location HA-1 and the chemical bunkers. Soil boring SB-7 was advanced to characterize the current soil conditions in the vicinity of soil gas sampling location SG-4. Soil boring MW-9 was advanced to characterize the current soil conditions between MW-3 and the production building and wastewater treatment area. The boring logs and well construction details are presented in Appendix A. Soil boring locations are presented on Figure 4.

Soil borings SB-1 through SB-7 were advanced using direct push, and soil samples were collected continuously for the purpose of field screening and soil classification. Soil boring MW-9 was advanced using hollow stem auger and soil samples were collected every 5 feet for the purpose of field screening and soil classification. Select soil samples from each boring were submitted for laboratory analyses. Laboratory analytical data for soil samples analyzed are presented in Table 2 and laboratory reports are included in Appendix D.

No soil concentrations exceeded MTCA Method C cleanup levels. Analytical data are provided in Table 2 and discussed in detail in Section 4.2.

Investigation derived waste (IDW) generated during the investigation included soil cuttings and decontamination water. All IDW was stored on the Property in United States Department of Transportation compliant 55-gallon drums. IDW was removed from the Property on June 18, 2015. IDW disposal documentation is included in Appendix E.

4.1.2 Second Quarter 2015 Groundwater Monitoring

On May 28, 2015 Blaine Tech Services, Inc. (Blaine) developed monitoring well MW-9. The well was developed by surging for approximately 15 minutes to open the well screen and promote groundwater flow into the well casing, followed by purging. The well dewatered twice during purging. Development was stopped after the second dewatering. All conditions stabilized within the well except turbidity. Field data sheets are provided in Appendix F.

On June 1, 2015, all wells (MW-1 through MW-9) were monitored and sampled for the second quarter 2015. Field data sheets are provided in Appendix F, and the laboratory analytical report is provided in Appendix D. A discussion of groundwater results is provided in Section 4.3 and tabulated in Tables 1A and 1B.

4.2 Soil

Figure 4 presents the locations of all soil samples collected during the investigation activities conducted at the Site. A summary of all soil sample locations submitted for analyses, including the date of the sample, depth, consultant performing sampling, and analytical methods and results are presented in Table 2. Soil samples were collected at monitoring wells MW-1 through MW-3 and MW-9, at one shallow boring location in the vicinity of the chemical bunkers (HA-1), and at borings SB-1 through SB-7. The approximate sample depths were between 0.5 and 15 feet bgs.

No current or historical soil samples exceed MTCA Method C cleanup levels for industrial land use. Historical soil analytical data were compared to MTCA unrestricted land use cleanup levels, which is inappropriate for the Site given the industrial zoning and land use.

4.3 Groundwater

The locations of all monitoring wells installed at the Site are presented on Figure 2A. To date, monitoring wells MW-1 through MW-3 have been sampled five times, monitoring wells MW-4 through MW-8 have been sampled four times, and monitoring well MW-9 has been sampled one time. The groundwater contour and chemical concentration map for June 2015 is provided as Figure 7.

Monitoring wells MW-1 through MW-3 were installed along the northern and western Property boundaries during the 2008 Phase II assessment. Monitoring wells MW-4 through MW-8 were installed along the eastern and southwestern Property boundaries during the 2012 Phase II Assessment. Monitoring well MW-9 was installed between the Production Floor (1) building and MW-3. The well screens begin at approximately 5 to 7 feet bgs and span 10 feet. Groundwater is present between approximately 6 to 10 feet bgs.

Monitoring well MW-3 is the only well that contains VOCs exceeding MTCA Method C cleanup levels. Well MW-3 has contained vinyl chloride during two of the six sampling events, and (cis) 1,2-DCE during all six sampling events. Vinyl chloride is currently below the MTCA Method C cleanup level in well MW-3. (cis) 1,2-DCE has decreased in well MW-3 since the initial sampling event in 2008. During the most recent sampling event in June 2015, (cis) 1,2-DCE was detected in MW-3 at a concentration of 488 µg/L. The MTCA Method C cleanup level is 35 µg/L.

Newly installed monitoring well MW-9 did not contain any concentrations exceeding MTCA Method C cleanup levels.

All eight monitoring wells have contained dissolved arsenic concentrations exceeding MTCA Method C cleanup levels. Total arsenic was analyzed during the first four sampling events however, total arsenic concentrations are likely biased due to suspended solids from turbid groundwater samples. Dissolved arsenic is a more reliable indicator of groundwater conditions, and therefore, the discussion below is based on dissolved arsenic concentrations.

Concentrations of dissolved arsenic have ranged from 3.1 µg/L (which is below the MTCA Method C cleanup level of 10.5 µg/L) to 185 µg/L. During the most recent sampling event in

June 2015, concentrations ranged from 11.8 µg/L to 89.6 µg/L. No other metals have exceeded MTCA Method C cleanup levels in any wells.

Arsenic in groundwater (as well as soil) is a region-wide problem in Western Washington due to decades of industrial activities. Data collected by the Washington State Department of Health[2] from 6,776 drinking water wells over a 10-year period demonstrates that arsenic concentrations in groundwater throughout the state range from 0.2 µg/L to 310 µg/L. High arsenic concentrations (>25 µg/L) were detected in 12 western Washington counties, including King County. Based on these data, background groundwater arsenic levels may be on the order of 10 to 100 µg/L. Ecology is currently considering a revision to the arsenic groundwater cleanup level. Based on the widespread regional prevalence of arsenic in groundwater, and the continued industrial use in the vicinity of the Property, arsenic should not be considered a constituent of concern (COC) for the Site.

The lateral extent of the groundwater plume is inferred to the west beyond MW-3 due to the presence of the adjacent property building, which also conducts metals manufacturing, and likely uses and stores products containing metals and VOCs. The lateral extent of the plume is defined in all other directions. Isoconcentration contour maps for vinyl chloride, and (cis) 1,2-DCE for the June 2015 sampling event are provided as Figures 8 and 9.

4.4 Surface Water

No surface water has been sampled as there has been no indication that surface water has been impacted by the release at the Site. Based on the distance to any surface water bodies, it is highly unlikely that the release at the Site could reach surface water. However, this pathway will be reevaluated following additional delineation assessment.

4.5 Sediment

One sediment sample, CB-1, was collected from the catch basin in the north central portion of the Property adjacent to the wastewater treatment area by Golder in 2008. No concentrations exceeded the MTCA Method C cleanup levels.

4.6 Air/Soil Vapor

A total of four soil gas samples, five ambient outdoor air samples, and six ambient indoor air samples have been collected at the Property. In June and July 2012, Golder collected three soil gas samples from soil gas probes SG-2 through SG-4. The sample depths were approximately 1 foot bgs in SG-2 and SG-3, and approximately 0.75 foot bgs in SG-4. While collecting soil gas samples, Golder collected outdoor ambient air samples adjacent to the soil probe locations; A-1 was collected adjacent to SG-2, and AMB-1 was collected midway between SG-3 and SG-4. Soil vapor concentrations of TCE exceeded MTCA Method C soil gas screening levels in SG-2 and SG-4[3].

In August and September 2012, Golder collected six ambient indoor air samples and three ambient outdoor air samples during an 8 hour duration; five of the samples were collected during the

---

[2] This study has not been officially published, but was provided to the Department of Ecology for inclusion in the *Draft Revisions to Method A Ground Water Cleanup Levels – June 2010.*

[3] Note: Ecology has not established outdoor air cleanup levels

daytime shift and four of the samples were collected during the evening shift. Indoor air concentrations exceeded MTCA Method C indoor air cleanup levels in three ambient air samples collected during a non-operational 8-hour period. It is likely that ventilation systems mitigate indoor air concentrations during the operational periods, but the ventilation systems did not operate during the non-operational period when these samples were obtained. Based on this information, the exceedances were attributed to the use of solvents containing TCE as part of the business operations, and not the results of vapor intrusion caused by the subsurface contamination. The soil gas samples collected by Golder were too shallow to adequately represent subsurface conditions. Additional soil gas evaluation is warranted following cleanup action at the Site. The current occupational safety program for the facility addresses indoor air monitoring and protection for the facility workers and meets applicable Occupational Safety and Health Administration requirements.

5. Conceptual Model

Based on investigation data, 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 TCE in the chemical bunker area. Based on the soil vapor concentrations in SG-2 and SG-4, and the presence of TCE in soil (albeit below MTCA Method C cleanup levels), the release likely occurred in the immediate vicinity of MW-3. The TCE likely naturally degraded over time resulting in daughter products (cis) 1,2-DCE and vinyl chloride.

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.

No impacted soil exceeding MTCA Method C cleanup levels is present at the Site. VOC-impacted groundwater is present in the vicinity of the southernmost chemical bunkers in MW-3 only. No metals have been detected above MTCA Method C cleanup levels in groundwater, with the exception of arsenic. Arsenic is considered a regional contaminant and likely not a Site-specific COC.

Soil vapor impacts are present in the vicinity of the southernmost chemical bunkers. Based on the current occupational use of the Property, soil vapor does not pose a risk to human health; however, if future land use changes, vapor intrusion may present a potential exposure pathway. Therefore, soil vapor should be addressed as part of the cleanup action for the Site.

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 groundwater (direct 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 industrial zoning and use of the Property, drinking water is not a beneficial resource, and therefore, the drinking water and soil leaching to groundwater pathways are incomplete. 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 this report, the following conclusions can be made:

- The groundwater ingestion pathway is incomplete.
- The soil leaching to groundwater (drinking water) pathway is incomplete.
- The direct soil contact pathway requires consideration to protect human health during potential future development activities.
- The direct groundwater contact pathway requires consideration because impacted groundwater beneath the Property is shallower than 15 feet bgs.
- 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.

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

+ Arsenic Exceedance in GW
↳ Regional data needed

6. Cleanup Standards

In accordance with MTCA, development of cleanup levels includes identifying potential exposure pathways for humans and environmental receptors based on the planned land use. The Site is currently zoned for industrial use and site zoning is not anticipated to change. Potential constituents of concern (COCs) historically MTCA Method C cleanup levels at the Site include: vinyl chloride, (cis) 1,2-DCE, and arsenic in groundwater; and TCE in soil gas. Based on the information provided in Section 4.3, arsenic is a regional problem and therefore, arsenic should not be considered a COC for the Site. Therefore, COCs for the Site are limited to vinyl chloride and (cis) 1,2-DCE in groundwater, and TCE in soil gas and indoor air.

1

2.

6.1 Groundwater Cleanup Levels

MTCA Method C groundwater cleanup levels for industrial land use will be used for the Site. The point of compliance is the point at which direct contact with groundwater is likely to occur; therefore, the point of compliance is 15 feet bgs. Groundwater cleanup levels are presented in Table 1A and 1B.

Arsenic in 1B

6.2 Soil Cleanup Levels

MTCA Method C cleanup levels for industrial land use have been used for screening purposes at the Site; however, no concentrations exceed MTCA Method C cleanup levels.

6.3 Soil Vapor and Indoor Air Cleanup Levels

MTCA Method C screening levels for sub-slab soil vapor will be used for evaluating soil gas concentrations. MTCA Method C cleanup levels for indoor air will be used. Soil vapor and indoor air cleanup levels are presented in Table 3.

7. Areas Requiring Future Management

7.1 Soil Requiring Future Management

No soil exceeds the Site-specific cleanup levels for industrial land use.

7.2 Groundwater Requiring Future Management

Monitoring well MW-3 is the only well containing any concentrations exceeding Site-specific cleanup levels for industrial land use. Groundwater in the vicinity of MW-3 requires future management due to concentrations of (cis) 1,2-DCE.

7.3 Soil Vapor and Indoor Air Requiring Future Management

There are two soil gas samples that exceeded MTCA Method C screening levels and require further evaluation. There are three indoor air samples, located in the Packaging and general use Warehouse buildings that require further evaluation and/or future management.

8. Recommendations

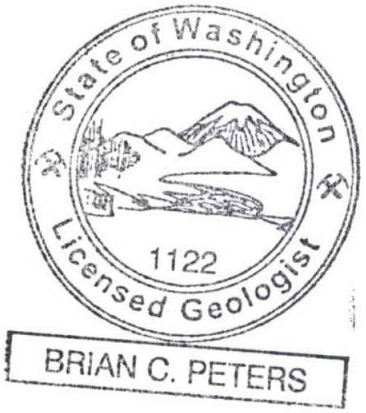
GHD recommends evaluating cleanup options for groundwater in MW-3. We anticipate that a limited hot-spot treatment or excavation will reduce VOC concentrations in well MW-3 and meet the MTCA Method C cleanup levels. Following completion of the cleanup action, GHD recommends collecting soil vapor samples in the vicinity of SG-2 and SG-4 to confirm that concentrations no longer exceed MTCA Method C screening levels. As previously states, the sample depths of approximately 1 foot bgs were too shallow and do not represent subsurface conditions. We also recommend reevaluating indoor air concentrations in the areas which previously exceeded MTCA Method C cleanup levels. A period of groundwater monitoring (up to one year) will likely be necessary in the vicinity of MW-3 following cleanup action. We anticipate that well MW-3 may need to be decommissioned to accommodate the cleanup action, and then reinstalled to confirm effectiveness. Once all groundwater, soil vapor, and indoor air concentrations meet MTCA Method C cleanup levels, site closure (no further action) can be requested, with implementation of an environmental covenant restricting land use.

All of Which is Respectfully Submitted,

GHD

Christina McClelland

Brian Peters, LG



Figures

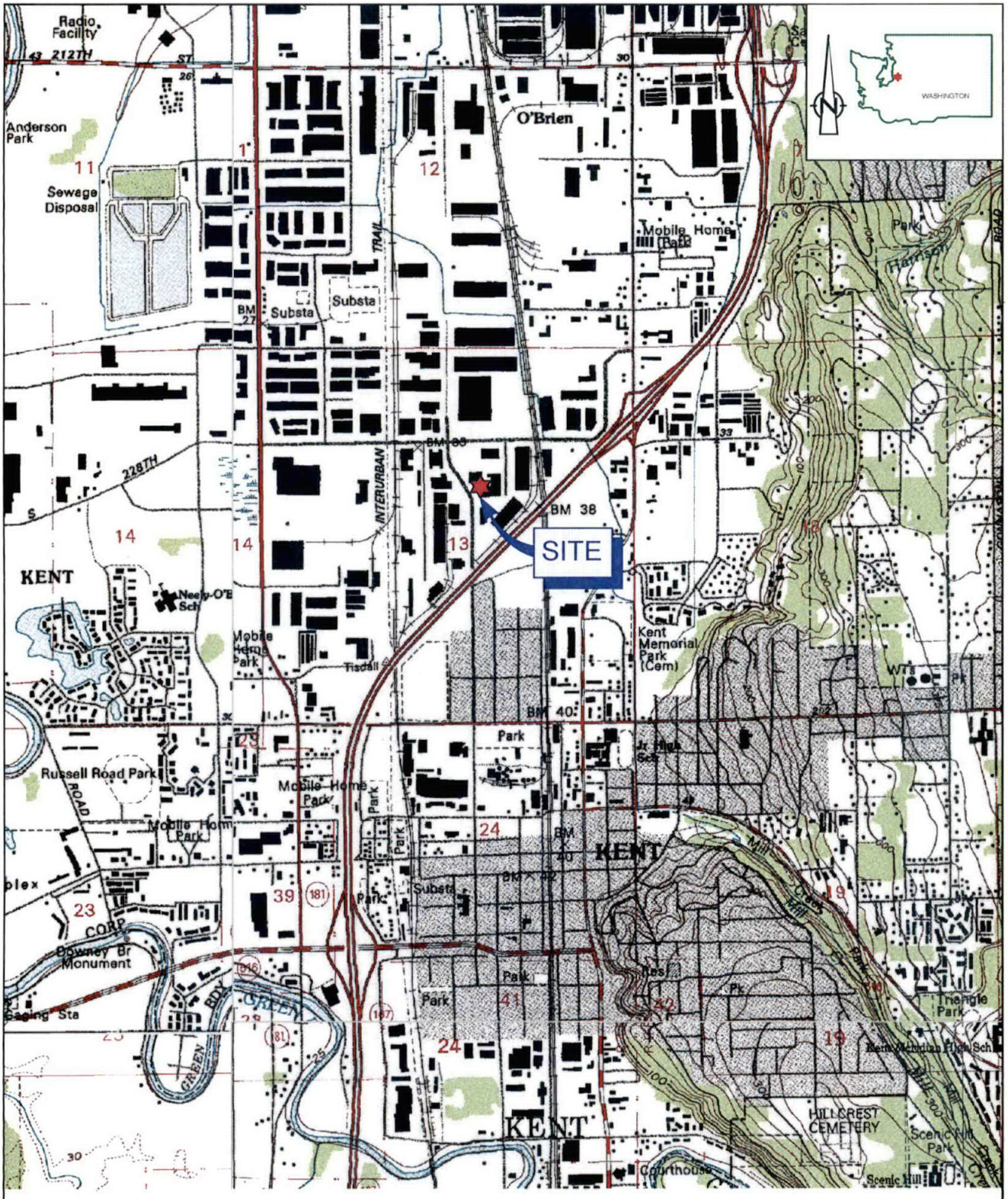


Figure 1

VICINITY MAP
PROTECTIVE COATINGS FACILITY
1215 2ND AVENUE NORTH AND 1208 4TH AVENUE NORTH
Kent, WA

SOURCE: USGS TOPOGRAHIC MAPFINDER.

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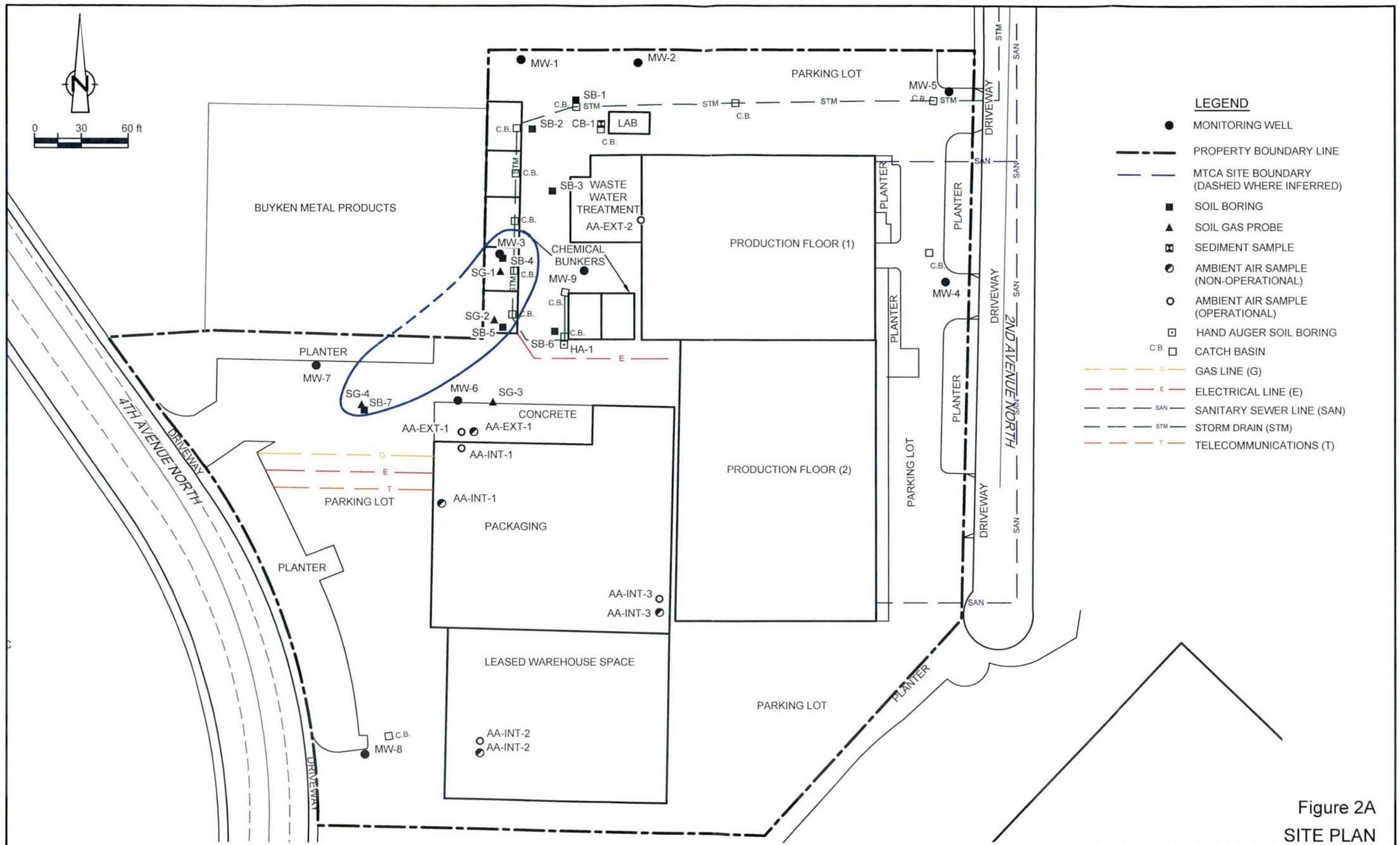

SOURCE: USGS NATIONAL MAP VIEWER AERIAL IMAGERY. STATEWIDE LAND SURVEYING INC. REPORT DATED 7/17/15, WA STATE PLANE COORDINATED SYSTEMS NAD 83/2011 EPCOH 2010.000 NORTH ZONE 4601, IN U.S. SURVEY FEET.

Figure 2A

SITE PLAN
PROTECTIVE COATINGS FACILITY
1215 2ND AVENUE NORTH AND 1208 4TH AVENUE NORTH
Kent, Washington

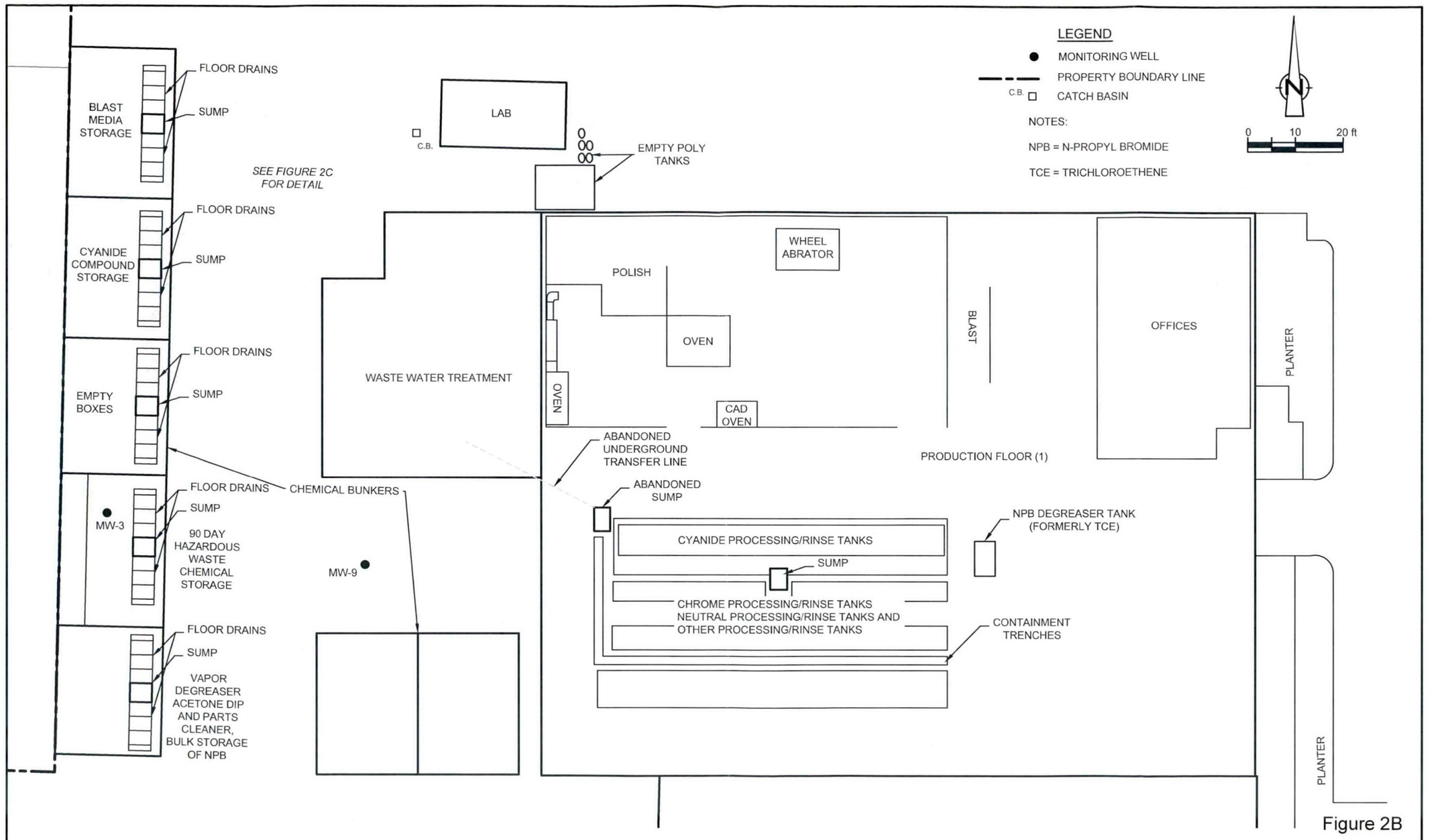

Figure 2B

DETAILED CURRENT AND HISTORICAL SITE FACILITIES
PROTECTIVE COATINGS FACILITY
1215 2ND AVENUE NORTH AND 1208 4TH AVENUE NORTH
Kent, Washington

SOURCE: USGS NATIONAL MAP VIEWER AERIAL IMAGERY. STATEWIDE LAND SURVEYING INC. REPORT DATED 7/17/15, WA STATE PLANE COORDINATED SYSTEMS NAD 83/2011 EPCOH 2010.000 NORTH ZONE 4601, IN U.S. SURVEY FEET.

LAB

SPENT SULFURIC ACID

C.B.

EMPTY POLY TANKS

1.Sodium Hydroxide
2.Sulfruic Acid
3.Sodium Hypochlorite

CHROME TREATMENT

CYANIDE CLARIFIER

1.Sodium Metabisulfite
2.Cyanide Pre-Flocc
3.Chrome Flocc

CHROME TREATMENT TANK

CHROME CLARIFIER

CYANIDE SLUDGE HOLDING

CHROME SLUDGE HOLDING

EMPTY DRUM STORAGE

CHEMICAL BUNKERS

CYANIDE DESTRUCT #1

EMPTY

CATWALK

CHROME HOLDING

CHROME PRE-FLOCC

NEUTRALIZER

STAIRS

WALK-IN FREEZER

EMPTY POLY TANKS

WASTE WATER TREATMENT

PAINT STRIP TANKS AND RINSES

CYANIDE FLOCC

KING COUNTY COLLECTION SUMP

POLISH

WHEEL ABRATOR

OVEN

CHROME WASTE LINE

NEUTRAL WASTE LINE

CYANIDE WASTE LINE

OVEN

CAD OVEN

ABANDONED UNDERGROUND TRANSFER LINE

ABANDONED SUMP

LEGEND

- MONITORING WELL
- PROPERTY BOUNDARY LINE
- C.B. CATCH BASIN

NOTES:

NPB = N-PROPYL BROMIDE

TCE = TRICHLOROETHENE

N

0 5 10 ft

SOURCE: USGS NATIONAL MAP VIEWER AERIAL IMAGERY. STATEWIDE LAND SURVEYING INC. REPORT DATED 7/17/15, WA STATE PLANE COORDINATED SYSTEMS NAD 83/2011 EPCOH 2010.000 NORTH ZONE 4601, IN U.S. SURVEY FEET.

Figure 2C

WASTE WATER TREATMENT DETAIL
PROTECTIVE COATINGS FACILITY
1215 2ND AVENUE NORTH AND 1208 4TH AVENUE NORTH
Kent, Washington

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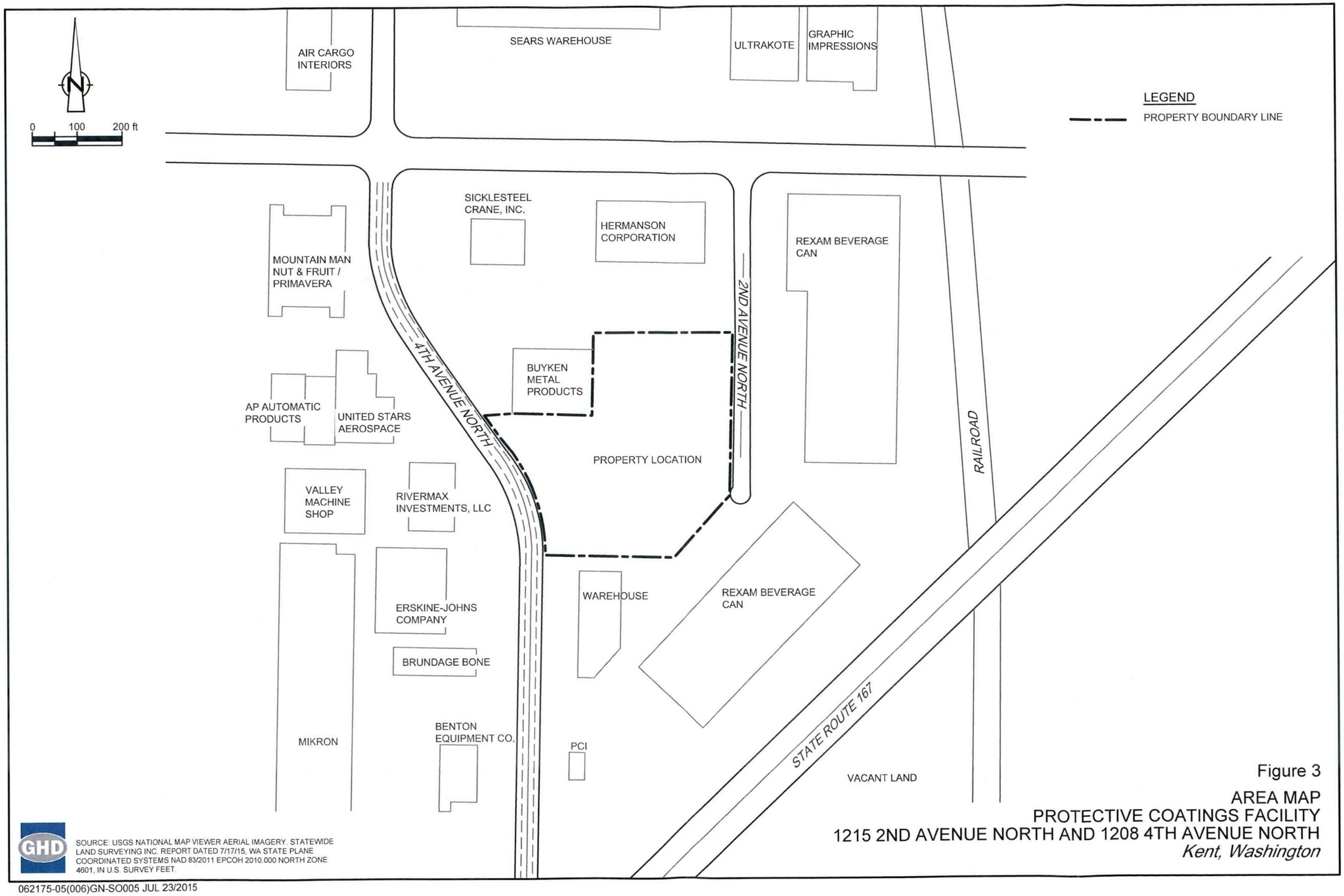
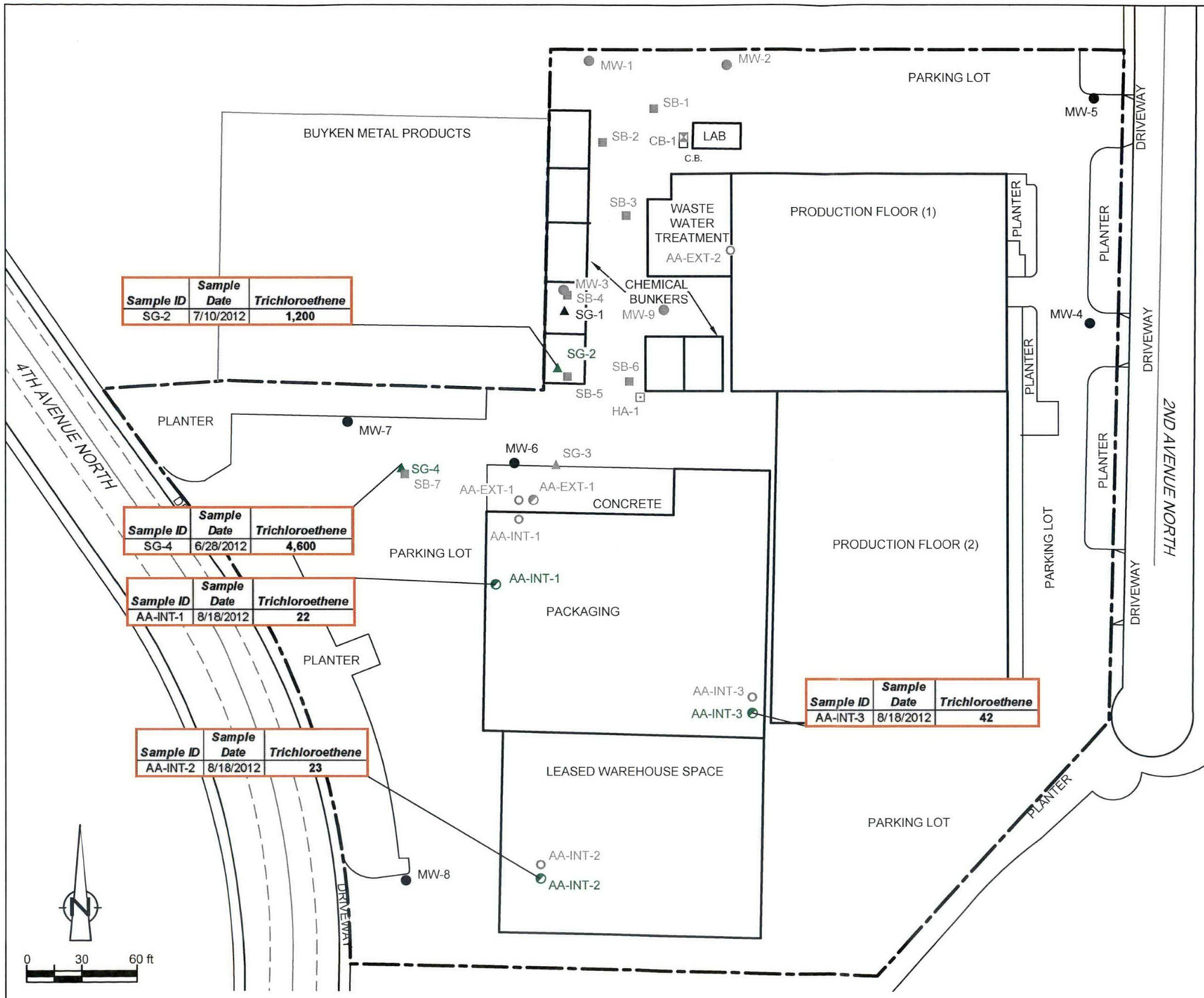


SOURCE: USGS NATIONAL MAP VIEWER AERIAL IMAGERY. STATEWIDE LAND SURVEYING INC. REPORT DATED 7/17/15, WA STATE PLANE COORDINATED SYSTEMS NAD 83/2011 EPCOH 2010.000 NORTH ZONE 4601, IN U.S. SURVEY FEET.

062175-05(006)GN-SO005 JUL 23/2015

Figure 3

AREA MAP
PROTECTIVE COATINGS FACILITY
1215 2ND AVENUE NORTH AND 1208 4TH AVENUE NORTH
Kent, Washington



Sample ID	Sample Date	Trichloroethene
SG-2	7/10/2012	**1,200**

Sample ID	Sample Date	Trichloroethene
SG-4	6/28/2012	**4,600**

Sample ID	Sample Date	Trichloroethene
AA-INT-1	8/18/2012	**22**

Sample ID	Sample Date	Trichloroethene
AA-INT-2	8/18/2012	**23**

Sample ID	Sample Date	Trichloroethene
AA-INT-3	8/18/2012	**42**

LEGEND

- MONITORING WELL
- SOIL BORING
- HAND AUGER BORING
- SOIL GAS PROBE
- SEDIMENT SAMPLE
- AMBIENT AIR SAMPLE (NON-OPERATIONAL)
- AMBIENT AIR SAMPLE (OPERATIONAL)
- C.B. CATCH BASIN
- PROPERTY BOUNDARY LINE
- µg/m3 MICROGRAMS PER CUBIC METER
- N/A NOT APPLICABLE OR NOT PROVIDED

SOIL GAS ANALYTICAL

Sample ID	Sample Date	Trichloroethene
AA-INT-1	8/18/2012	**22**

PARAMETER

RESULT (µg/m3)

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 - SEE TABLES 1 THROUGH 3 FOR MORE INFORMATION.

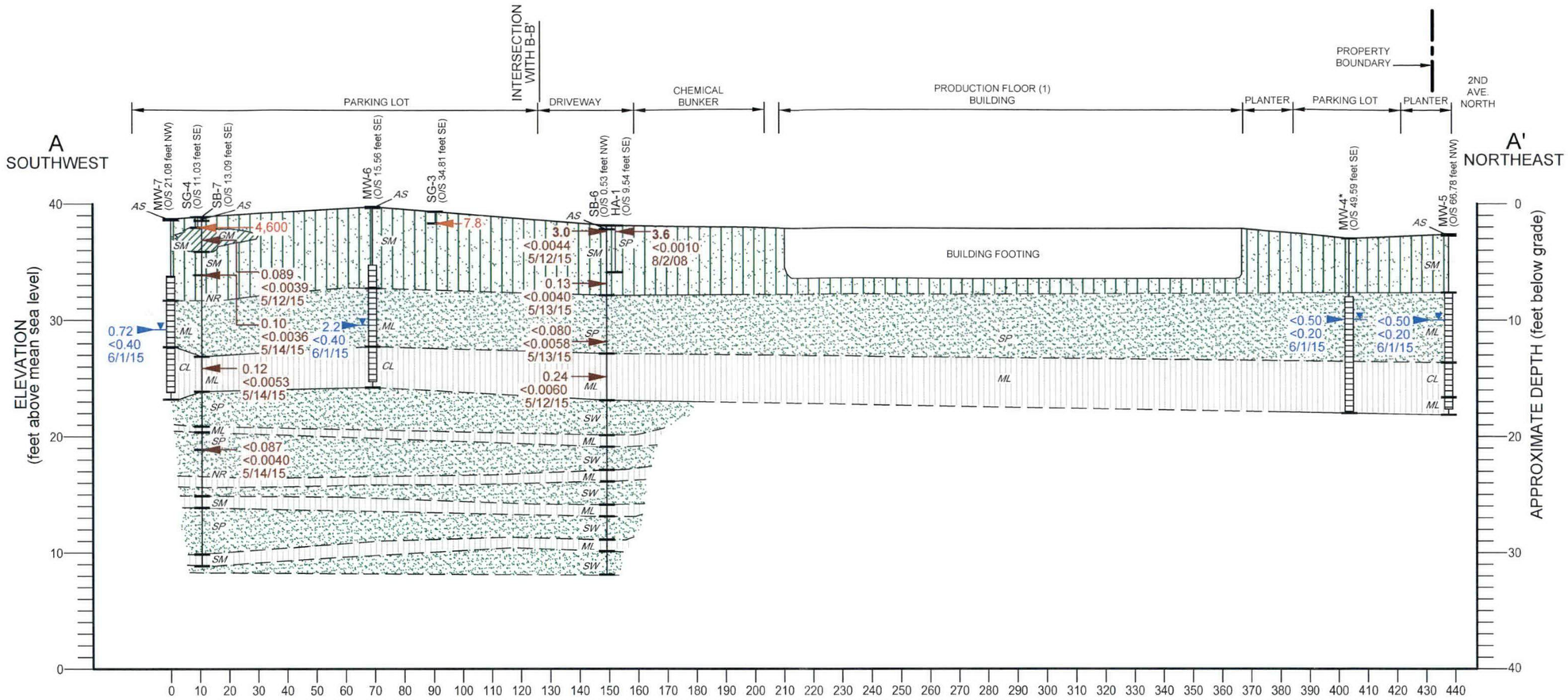
NO SOIL GAS SAMPLES WERE COLLECTED FROM LOCATION SG-1.

SOURCE: USGS NATIONAL MAP VIEWER AERIAL IMAGERY. STATEWIDE LAND SURVEYING INC. REPORT DATED 7/17/15, WA STATE PLANE COORDINATED SYSTEMS NAD 83/2011 EPCOH 2010.000 NORTH ZONE 4601, IN U.S. SURVEY FEET.

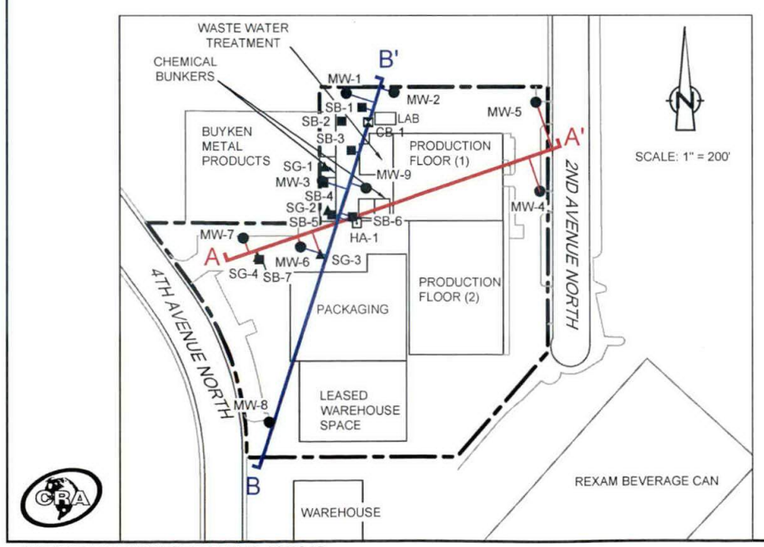
Figure 4

SOIL GAS INVESTIGATION DATA MAP
PROTECTIVE COATINGS FACILITY
1215 2ND AVEUNE NORTH AND 1208 4TH AVENUE NORTH
Kent, Washington

062175-05(006)GN-SO006 AUG 3/2015



SCALE: HORZ. 1" = 40'
VERT. 1" = 10'



LEGEND

- MW-6 — WELL DESIGNATION
- GROUND SURFACE (OFFSET)
- GROUNDWATER MONITORING WELL
- STRATIGRAPHIC BOUNDARY
- SC — TYPICAL SOIL CLASSIFICATION
- SCREENED INTERVAL
- BOTTOM OF BORING
- GROUNDWATER DEPTH (6/1/15)
- CONTACT DASHED WHERE INFERRED
- NA NOT APPLICABLE OR NOT PROVIDED
- <X NOT DETECTED AT REPORTING LIMIT X
- mg/kg MILLIGRAMS PER KILOGRAM
- µg/m3 MICROGRAMS PER CUBIC METER
- NR NO RECOVERY
- APPROXIMATE SOIL SAMPLE LOCATION
- CADMIUM / TRICHLOROETHENE / DATE — CONCENTRATIONS IN SOIL (mg/kg)
- APPROXIMATE SOIL GAS SAMPLE LOCATION
- TRICHLOROETHENE — CONCENTRATIONS IN SOIL GAS (µg/m3)
- APPROXIMATE GROUNDWATER SAMPLE LOCATION
- (CIS) 1,2-DCE / VINYL CHLORIDE / DATE — HYDROCARBON CONCENTRATIONS IN GROUNDWATER (µg/L)

NOTES:

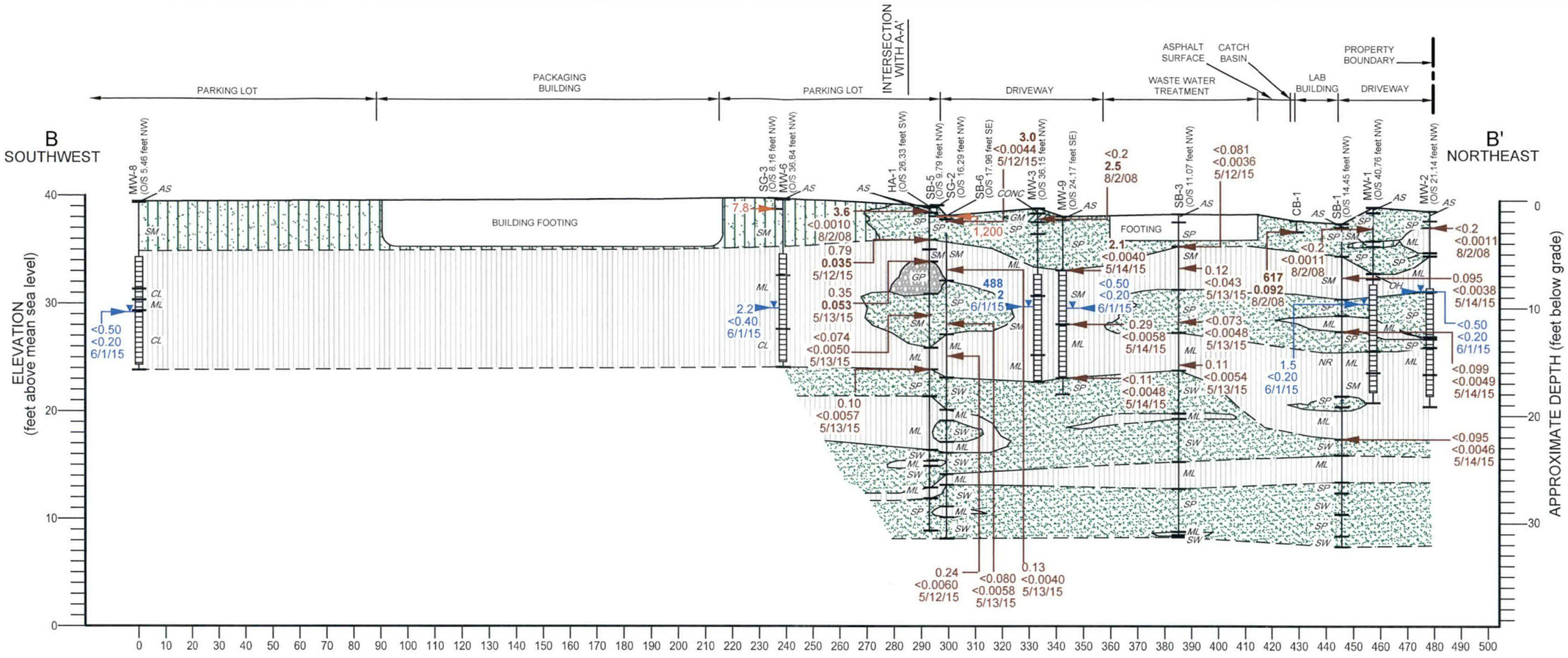
*NO SOIL DESCRIPTION AVAILABLE FOR MW-4.

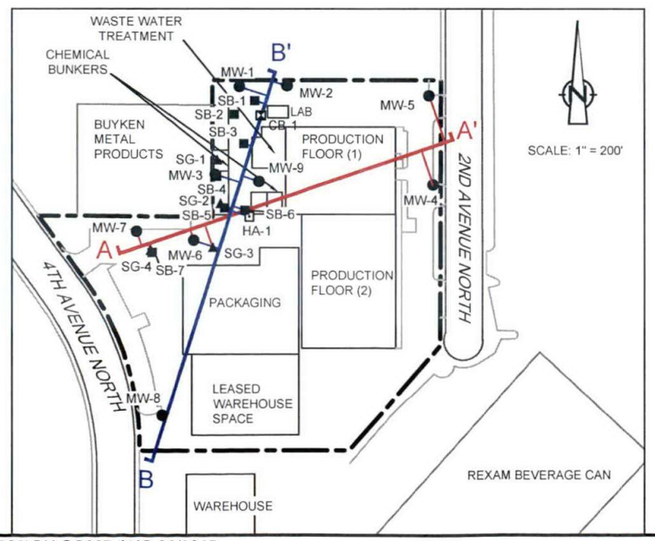
THE PREVIOUS CONSULTANT LOGGED SILT (ML) AT APPROXIMATELY 10 FEET BELOW GROUND SURFACE FOLLOWED BY CLAY (CL); HOWEVER, GHD LOGGED THE LITHOLOGY AT THESE DEPTHS AS FINE SAND (SP) FOLLOWED BY SILT (ML). THEREFORE, THE CROSS SECTIONS ARE BASED ON GHD'S INTERPRETATION.

- AS - ASPHALT
- SM - SILTY SAND, SAND-SILT MIXTURES
- ML - INORGANIC SILT, VERY FINE SAND, SILTY OR CLAYEY FINE SAND, CLAYEY SILT WITH SLIGHT PLASTICITY
- CL - INORGANIC CLAY OF LOW TO MEDIUM PLASTICITY, GRAVELLY CLAY, SANDY CLAY, SILTY CLAY, LEAN CLAY
- SP - POORLY-GRADED SAND, GRAVELLY SAND, LITTLE OR NO FINES
- SW - WELL-GRADED SAND, GRAVELLY SAND
- GM - SILTY GRAVEL, GRAVEL-SAND-SILT MIXTURE

figure 5

GENERALIZED GEOLOGIC CROSS SECTION A-A'
PROTECTIVE COATINGS FACILITY
1215 2ND AVENUE NORTH AND 1208 4TH AVENUE NORTH
Kent, Washington





LEGEND

- MW-6 — WELL DESIGNATION
- GROUND SURFACE (OFFSET)
- GROUNDWATER MONITORING WELL
- STRATIGRAPHIC BOUNDARY
- SC — TYPICAL SOIL CLASSIFICATION
- SCREENED INTERVAL
- BOTTOM OF BORING
- GROUNDWATER DEPTH (6/1/15)
- CONTACT DASHED WHERE INFERRED
- NA NOT APPLICABLE OR NOT PROVIDED
- <X NOT DETECTED AT REPORTING LIMIT X
- mg/kg MILLIGRAMS PER KILOGRAM
- µg/m3 MICROGRAMS PER CUBIC METER

- NR NO RECOVERY
- APPROXIMATE SOIL SAMPLE LOCATION
- CADMIUM / TRICHLOROETHENE / DATE — CONCENTRATIONS IN SOIL (mg/kg)
- APPROXIMATE SOIL GAS SAMPLE LOCATION
- TRICHLOROETHENE — CONCENTRATIONS IN SOIL GAS (µg/m3)
- APPROXIMATE GROUNDWATER SAMPLE LOCATION
- (CIS) 1,2-DCE / VINYL CHLORIDE / DATE — HYDROCARBON CONCENTRATIONS IN GROUNDWATER (µg/L)

NOTES:

*NO SOIL DESCRIPTION AVAILABLE FOR MW-4.

THE PREVIOUS CONSULTANT LOGGED SILT (ML) AT APPROXIMATELY 10 FEET BELOW GROUND SURFACE FOLLOWED BY CLAY (CL); HOWEVER, GHD LOGGED THE LITHOLOGY AT THESE DEPTHS AS FINE SAND (SP) FOLLOWED BY SILT (ML). THEREFORE, THE CROSS SECTIONS ARE BASED ON GHD'S INTERPRETATION.

- AS - ASPHALT
- CONC - CONCRETE
- GM - SILTY GRAVEL, GRAVEL-SAND-SILT MIXTURE
- SM - SILTY SAND, SAND-SILT MIXTURES
- ML/OH - INORGANIC AND ORGANIC SILT, VERY FINE SAND, SILTY OR CLAYEY FINE SAND, CLAYEY SILT WITH SLIGHT PLASTICITY
- CL - INORGANIC CLAY OF LOW TO MEDIUM PLASTICITY, GRAVELLY CLAY, SANDY CLAY, SILTY CLAY, LEAN CLAY
- SP - POORLY-GRADED SAND, GRAVELLY SAND, LITTLE OR NO FINES
- SW - WELL-GRADED SAND, GRAVELLY SAND
- GP - POORLY-GRADED GRAVEL

figure 6

GENERALIZED GEOLOGIC CROSS SECTION B-B'
PROTECTIVE COATINGS FACILITY
1215 2ND AVENUE NORTH AND 1208 4TH AVENUE NORTH
Kent, Washington

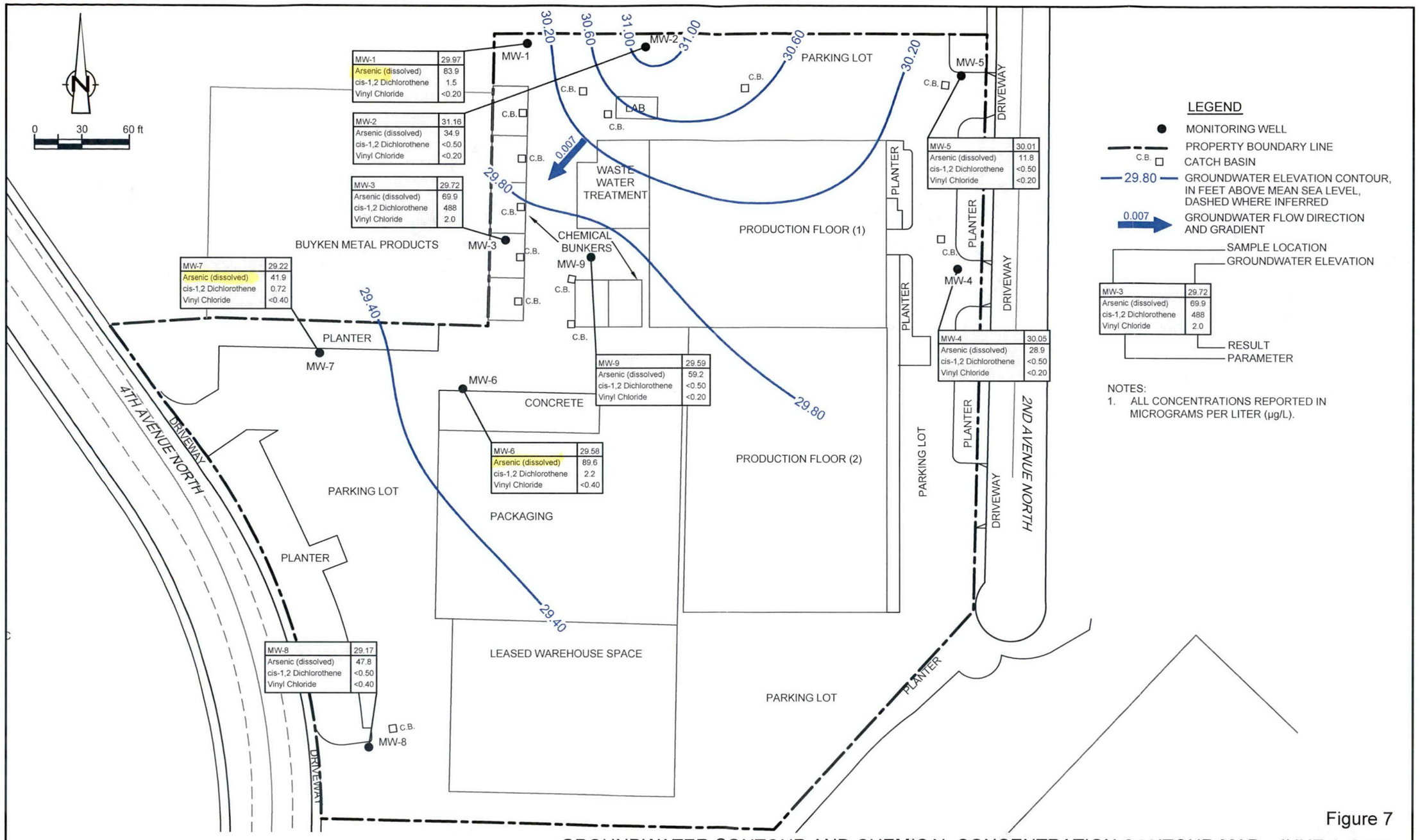


Figure 7

GROUNDWATER CONTOUR AND CHEMICAL CONCENTRATION CONTOUR MAP - JUNE 1, 2015
PROTECTIVE COATINGS FACILITY
1215 2ND AVENUE NORTH AND 1208 4TH AVENUE NORTH
Kent, Washington

SOURCE: USGS NATIONAL MAP VIEWER AERIAL IMAGERY. STATEWIDE LAND SURVEYING INC. REPORT DATED 7/17/15. WA STATE PLANE COORDINATED SYSTEMS NAD 83/2011 EPCOH 2010.000 NORTH ZONE 4601, IN U.S. SURVEY FEET.

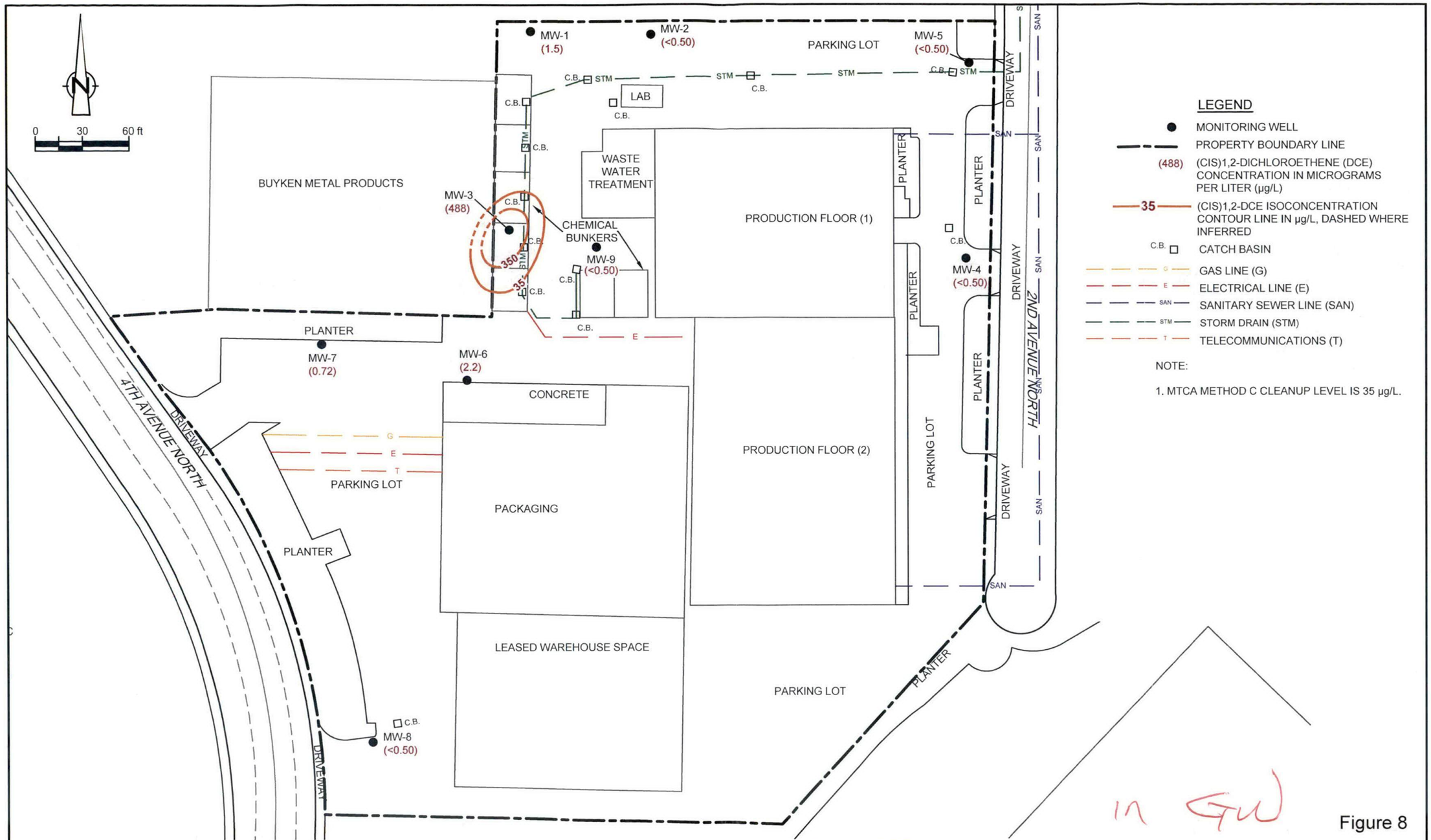


Figure 8

(CIS)1,2-DICHLOROETHENE ISOCONCENTRATION CONTOUR MAP - JUNE 1, 2015
PROTECTIVE COATINGS FACILITY
1215 2ND AVENUE NORTH AND 1208 4TH AVENUE NORTH
Kent, Washington

SOURCE: USGS NATIONAL MAP VIEWER AERIAL IMAGERY. STATEWIDE LAND SURVEYING INC. REPORT DATED 7/17/15, WA STATE PLANE COORDINATED SYSTEMS NAD 83/2011 EPCOH 2010.000 NORTH ZONE 4601, IN U.S. SURVEY FEET.

062175-05(006)GN-SO008 AUG 3/2015

Tables

Table 1A

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

Sample ID	Date	TOC	DTW*	GWE	Hydrocarbons			VOCs												
					TPHg	TPHd	TPHo	Benzene	Toluene	Vinyl Chloride[1]	Chloroethane	Acetone	1,1-Dichloroethene	1,1-Dichloroethane	(trans) 1,2-Dichloroethene	(cis) 1,2-Dichloroethene	EDC	1,1,1-Trichloroethane	Trichloroethene	1,1,2-Trichloroethane
MTCA Method C Cleanup Level					NA	NA	NA	NA	NA	2	NA	NA	NA	NA	NA	35	NA	NA	NA	7.68
	Units	ft	ft	ft	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/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	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-1	7/17/2014	38.94	8.75	30.19	---	---	---	<0.50	<0.50	<0.20	1.2	<20.0	<0.50	<0.50	<0.50	1.4	<0.50	1.4	<0.40	<0.40
MW-1	10/7/2014	38.94	9.04	29.90	---	---	---	<0.50	<0.50	<0.20	<1.0	<20.0	<0.50	<0.50	<1.0	1.6	<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-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
MW-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
MW-2	1/13/2015	38.71	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 DUP	1/13/2015	38.71	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	31.16	---	---	---	<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-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
MW-3	7/2/2012	38.68	8.48	30.20	<0.25	<0.50	<0.50	<0.2	0.37	1.8	17 a	5.5	20	82 J	12	**540 c**	0.7	0.58	0.27	0.75
MW-3	7/17/2014	38.68	8.94	29.74	---	---	---	<0.50	0.85	2.0	21.0	<20.0	36.5	146	17.7	**607**	1.6	<0.50	<0.40	<0.40
MW-3	10/7/2014	38.68	9.31	29.37	---	---	---	<5.0	<5.0	<2.0	27.8	<200	47.6	174	20.6	**879**	<5.0	<5.0	<4.0	<4.0
MW-3	1/13/2015	38.68	8.37	30.31	---	---	---	<2.5	<2.5	**2.9**	16.2	<100	32.6	124	18.6	**672**	<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-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
MW-4	6/1/2015	36.56	6.51	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
MW-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	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
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
MW-7	7/17/2014	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
MW-7	10/7/2014	38.28	9.15	29.13	---	---	---	<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-7	1/13/2015	38.28	8.35	29.93	---	---	---	<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-7	6/1/2015	38.21	8.99	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
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

Arsenic in Water ?

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

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
ug/L = Micrograms per liter
NE = Not established
NA = Not applicable
---- = 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 MTCA Method C cleanup levels is based on direct contact with groundwater and includes potential exposure to children via pregnant women. This scenario is highly unlikely given the current Property use and zoning. Therefore, the cleanup level shown is the Federal maximum contaminant level (MCL) established by the Environmental
*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 level

a = Surrogate recovery is outside control limits
b = Detection based on dilution of initial sample
J = Estimated

Table 1B

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

					Metals							General Chemistry		
Sample ID	Date	TOC	DTW*	GWE	Arsenic (total)	Arsenic (dissolved)	Cadmium (total)	Cadmium (dissolved)	Chromium (total)	Chromium (dissolved)	Hexavalent Chromium	Cyanide	N-Nitrate	N-Nitrite
					MTCA Method A						MTCA Method B	EPA	Method B	Method B
Federal MCL, MTCA Method A or B Screening Leve					5	5	5	5	50	50	48	9.6	10,000	1,600
MTCA Method C Cleanup Levels					10.5	10.5	17.5	17.5	50	50	105	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	8.48	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-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-4	6/29/2012	36.63	6.41	30.22	**33.7**	**31**	---	<0.1	1.0	---	<10	<5	<50	<50
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-7	6/29/2012	38.28	8.98	29.30	**92.7**	**92**	---	<0.1	1.6	---	<10	<5	<50	<50

Table 1B

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

					Metals							General Chemistry		
Sample ID	Date	TOC	DTW*	GWE	Arsenic (total)	Arsenic (dissolved)	Cadmium (total)	Cadmium (dissolved)	Chromium (total)	Chromium (dissolved)	Hexavalent Chromium	Cyanide	N-Nitrate	N-Nitrite
MTCA Method C Cleanup Levels					10.5	10.5	17.5	17.5	50	50	105	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	8.48	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-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-4	6/29/2012	36.63	6.41	30.22	**33.7**	**31**	---	<0.1	1.0	---	<10	<5	<50	<50
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	---	---	---	---

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

					Metals							General Chemistry		
Sample ID	Date	TOC	DTW*	GWE	Arsenic (total)	Arsenic (dissolved)	Cadmium (total)	Cadmium (dissolved)	Chromium (total)	Chromium (dissolved)	Hexavalent Chromium	Cyanide	N-Nitrate	N-Nitrite
MTCA Method C Cleanup Levels					10.5	10.5	17.5	17.5	50	50	105	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-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-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	---	---	---
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	---	---	---	---

Abbreviations and Notes:
DTW = Depth to Water in feet
GWE = Groundwater Elevation
TOC = Top of Casing
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 Modifie
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, MTCA Method A cleanup level, MTCA Meth
*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 exceeded the MTCA Method C cleanup level

a = Surrogate recovery is outside control limits

Table 2

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

				VOCs									Metals											Other
Report Referenced	Sample ID	Sample Date	Sample Depth	Acetone	1,1-Dichloroethene	1,1-Dichloroethane	(cis) 1,2-Dichloroethene	2-Butanone	1,1,1-Trichloroethane	Trichloroethene	1,1,2-Trichloroethane	Vinyl Chloride	Arsenic	Barium	Beryllium	Cadmium	Chromium	Copper	Lead	Selenium	Silver	Mercury	Nickel	Zinc	Total Cyanide
MTCA Method C (industrial) Cleanup Levels				3.15E+06	175000	700000	700	NE	7.00E+06	1750	14000	87.5	1050	7.00E+05	7000	3500	5.25E+06*	140000	1000**	1.75E+04	1.75E+04	2**	70000	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)
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	MW3-1-080208	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	<6	--	0.2	<0.2	24.6	26.1	4	--	--	<0.05	23	41	--
Golder 2012	HA1-0.5-080208	8/2/2008	0.5	0.15	<0.0010	<0.0010	<0.0010	0.015	<0.0010	<0.0010	<0.0010	<0.0010	5	--	0.2	3.6	369	41.9	13	--	--	0.06	24	111	--
Golder 2012	CB-1-080208 A	8/2/2008	N/A	--	--	--	--	--	--	0.092	--	--	<20	--	0.6	617	722	397	52	--	--	0.07	286	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-062175-051415-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	3.2	38.4	--	<0.095	10.4	--	2.2	<0.59	<0.59	<0.025	--	--	--
CRA 2015	SO-062175-051315-JS-SB-2-5'	5/13/2015	5	<0.022	<0.0045	<0.0045	<0.0045	<0.022	<0.0045	<0.0045	<0.0045	<0.0045	4.1	60.2	--	0.082	27.7	--	4.3	0.49	<0.46	0.039	--	--	--
CRA 2015	SO-062175-051315-JS-SB-2-10'	5/13/2015	10	0.023	<0.0044	<0.0044	0.0056	<0.022	<0.0044	<0.0044	<0.0044	<0.0044	3.3	45.8	--	<0.094	13.2	--	2.4	<0.59	<0.59	0.050	--	--	--
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'	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-JS-SB-4-15'	5/13/2015	15	0.054	<0.0060	<0.0060	0.063	<0.030	<0.0060	<0.0060	<0.060	<0.0060	9.9	96.2	--	0.10	24.4	--	5.4	0.99	<0.61	0.059	--	--	--
CRA 2015	SO-062175-051215-JS-SB-5-3'	5/12/2015	3	0.83	0.0047	<0.0041	<0.0041	<0.021	0.014	0.035	<0.0041	<0.0041	2.8	63.2	--	0.79	24.5	--	4.9	<0.49	<0.49	0.027	--	--	--
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'	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	--	0.089	22.9	--	2.9	<0.56	<0.56	0.027	--	--	--
CRA 2015	SO-062175-051415-JS-SB-7-5'	5/14/2015	5	0.019	<0.0036	<0.0036	<0.0036	<0.018	<0.0036	<0.0036	<0.0036	<0.0036	4.9	69.6	--	0.10	34.0	--	3.8	0.69	<0.51	0.022	--	--	--
CRA 2015	SO-062175-051415-JS-SB-7-13'	5/14/2015	13	0.044	<0.0053	<0.0053	<0.0053	<0.026	<0.0053	<0.0053	<0.0053	<0.0053	6.9	76.4	--	0.12	22.8	--	4.6	0.88	<0.69	0.065	--	--	--
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	--	--	--

Notes
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
* Chromium III value
**MTCA Method A Cleanup Level for Industrial Properties
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.

Table 3

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

Report Referenced	Soil Gas Probe ID	Sample ID	Sample Date	Sample Type	VOCs																		
					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
MTCA Method C (industrial) - Soil Gas Screening Levels[1]					107	167000	33300	3330	3330	167000	521	233	1.39	--	167	36.2	3000	NE	--	--	83300	3210	210	93.3
MTCA Method C (industrial) - Indoor Air Cleanup Levels[1]					30	5000	1000	100	100	5000	15.6	7	9	--	5	98	90	NE	--	--	600	96.2	6.3	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	1.7	0.28	1.1	0.42	--	--	--	--	2.0	--	--	--	<0.12	2.1	2.3	--	0.29	7.8	<0.04
Golder 2012	SG-33	Duplicate	6/28/2012	Soil Gas	0.24	1.6	0.29	1.0	0.40	--	--	--	--	1.8 J	--	--	--	<0.12	2.3	2.3	--	0.28	7.5	<0.04
Golder 2012	SG-4	SG-4-9"	6/28/2012	Soil Gas	19	13	--	--	--	--	--	--	--	54	--	--	--	38	--	--	--	99	**4,600**	<8.5
Golder 2012	A1*	Ambient Outdoor Air	6/28/2012	Ambient 4 hr Exterior	0.94	38	2	10	3.6	--	--	--	--	84	--	--	0.81	<0.26	--	1.7	--	<0.45	140	<0.08
Golder 2012	Amb-1*	Ambient Outdoor Air	7/10/2012	Ambient 0.5 hr Exterior	--	71	3.2	11	3.8	--	--	--	--	830	--	--	--	<1.2	--	<7.2	--	<2.0	26	<0.37
Golder 2012	AA-INT-1	Interior-1	8/18/2012	Ambient 8 hr Non-Operational 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
Golder 2012	AA-INT-2	Interior-2	8/18/2012	Ambient 8 hr 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
Golder 2012	AA-INT-3	Interior-3	8/18/2012	Ambient 8 hr Non-Operational Evening	0.83	37	2.1	7.9	2.6	--	--	--	--	210	--	--	1.3	<0.12	--	2.8	--	<0.21	**42**	<0.1
Golder 2012	AA-EXT-1	Exterior-1	8/18/2012	Ambient 8 hr 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
Golder 2012	AA-INT-1	Interior-1	9/6/2012	Ambient 8 hr Operational Daytime	0.48	9.2	0.67	2.2	0.97	--	--	--	<1.3	76 J	--	--	0.98	<0.13	1.0	2.2	7.3	<0.22	5	<0.042
Golder 2012	AA-INT-2	Interior-2	9/6/2012	Ambient 8 hr 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
Golder 2012	AA-INT-3	Interior-3	9/6/2012	Ambient 8 hr 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
Golder 2012	AA-EXT-1	Exterior-1	9/6/2012	Ambient 8 hr Operational Daytime	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
Golder 2012	AA-EXT-2	Exterior-2	9/6/2012	Ambient 8 hr 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

Table 3

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

Report Referenced	Soil Gas Probe ID	Sample ID	Sample Date	Sample Type	VOCs																		
					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
MTCA Method C (industrial) - Soil Gas Screening Levels[1]					**107**	**167000**	**33300**	**3330**	**3330**	**167000**	**521**	**233**	**1.39**	--	**167**	**36.2**	**3000**	NE	--	--	**83300**	**3210**	**210**	**93.3**
MTCA Method C (industrial) - Indoor Air Cleanup Levels[1]					30	5000	1000	100	100	5000	15.6	7	9	--	5	98	90	NE	--	--	600	96.2	6.3	100
					µg/m^3	µg/m^3	µg/m^3	µg/m^3	µg/m^3	µg/m^3	µg/m^3	µg/m^3	µg/m^3	µg/m^3	µg/m^3	µg/m^3	µg/m^3	µg/m^3	µg/m^3	µg/m^3	µg/m^3	µg/m^3	µg/m^3	µg/m^3

Notes
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
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

Appendices

Appendix A
Boring and Well Logs

Conestoga-Rovers & Associates
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Fax: 425-563-6599

BORING/WELL LOG

CLIENT NAME	PCC Aerostructures	**BORING/WELL NAME**	HA1
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)**	NA
DRILLER	ESN Drilling	**GROUND SURFACE ELEVATION**	NA
DRILLING METHOD	Power Probe 90	**TOP OF CASING ELEVATION**	NA
BORING DIAMETER	Unknown	**SCREENED INTERVAL**	NA
LOGGED BY	Golder Associates	**DEPTH TO WATER (First Encountered)**	NA ▽
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.

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (fbg)	U.S.C.S.	GRAPHIC LOG	SOIL DESCRIPTION	CONTACT DEPTH (fbg)	WELL DIAGRAM
		HA1-0.5-080208		0	SP		**SAND with fine to coarse gravel (SP)**; light brown.	4.0	
				5			Note: Field logs provided in GA's Phase II Environmental Site Assessment Report dated October 1, 2012.		Bottom of Boring @ 4 ft
				10					
				15					
				20					
				25					
				30					
				35					

WELL LOG (PID) I:\SONOMA~1.PUB\0-USERS\MDUTRA\DRAFTR~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-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)**	NA
DRILLER	ESN Drilling	**GROUND SURFACE ELEVATION**	NA
DRILLING METHOD	Power Probe 90	**TOP OF CASING ELEVATION**	38.94 ft above 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 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)	WELL DIAGRAM
					ASPHALT		**ASPHALT**	0.5	Portland Type I/II
0		MW1-2-080208			SP		**Fine SAND**; some silt, medium dense, light brown, dry, few 1" diameter gravel, no odor.	3.0	
					SM		**Silty SAND**; medium dense, fine sand, gray, dry, occasional gravel, no odor.	3.5	Bentonite Seal
				5	SP		**Fine SAND with Silt**; graded to medium SAND, dark gray, dry, medium dense, occasional fine gravel, no odor.	6.0	
					OH		**Organic SILT with Sand**; medium dense, dark brown/black, moist, pieces of wood and gravel, no odor.	6.5	
							Fine SAND; loose, dark gray, slightly moist. @7.6' - grading to medium SAND with depth, loose, dark gray, wet, occasional organics. ▽		
				10	SP		@11.5' - loose, dark gray, wet, little Silt.		Monterey Sand #2/12
									2" diam., Schedule 40 PVC
					ML		**SILT with some fine sand**; grading to SILT with some clay, soft, olive gray, wet.	13.2	
				15	SM		**Silty SAND or Sandy SILT**; dark gray, wet, (observed from cuttings).	15.2	
								18.0	
				20			Note: Field logs provided in GA's Phase II Environmental Site Assessment Report dated October 1, 2012.		Bottom of Boring @ 18 ft
				25					
				30					
				35					

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BORING/WELL LOG

CLIENT NAME	PCC Aerostructures	**BORING/WELL NAME**	MW-2
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)**	NA
DRILLER	ESN Drilling	**GROUND SURFACE ELEVATION**	NA
DRILLING METHOD	Power Probe 90	**TOP OF CASING ELEVATION**	38.71 ft above 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)**	8.82 ft (12-Aug-08)

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)	WELL DIAGRAM
					ASPHALT		**ASPHALT**	0.9	Portland Type I/II
0		MW2-2-080208			SP		**SAND with Gravel**; fine and medium sand, light brown, dry, no odor (Fill).	1.5	
					ML		**SILT with Sand**; light brown, dry, occasional gravels up to 2" diameter, no odor (Fill).	3.7	Bentonite Seal
					SP		**Fine SAND and SILT with fine Gravel (SP-ML)**; dark gray, dense, dry, no odor.	4.0	
				5	ML		**SILT and Fine SAND with fine to coarse Gravel (ML-SP)**; dense, dark gray, dry, no odor.		
							@7' - **SILT with Sand and Organics**; dark brown, dry, no odor.	7.3	
					SP		**Fine SAND and SILT (SP-ML)**; medium dense, dry, no odor.		
				10			@8'- **Fine SAND with trace Silt**; loose, dark gray, wet, no odor.		
							@10.5' - loose, dark gray, wet, no odor.	11.5	Monterey Sand #2/12
					ML		**SILT**; no odor, wet.	11.7	2" diam., Schedule 40 PVC
					SP		**Fine SAND**; loose, dark gray, wet, no odor.	12.5	
							@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, no odor.		
				15			No recovery.	15.0	
								18.0	
				20			Note: Field logs provided in GA's Phase II Environmental Site Assessment Report dated October 1, 2012.		Bottom of Boring @ 18 ft
				25					
				30					
				35					

WELL LOG (PID) I:\SONOMA~1.PUB\0-USERS\MDUTRA\DRAFTR~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-3
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)**	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)
REVIEWED BY		**DEPTH TO WATER (Static)**	9.41 ft (12-Aug-08)

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)	WELL DIAGRAM
					CONCRETE		**CONCRETE with round rock subgrade .**	0.5	Portland Type I/II
					GM		**Silty GRAVEL (GM)** ; dense, light yellow brown, dry, no odor (Fill).	1.3	
0		MW3-1-060208			SP		**Fine SAND to medium gravel** ; dense, light gray, dry, no odor.	2.4	Bentonite Seal
				5	ML		**SILT with fine to medium gravel** ; dense, light gray, dry, no odor. **Sandy SILT with fine sub-rounded gravel** ; dense, light brown, grading to light gray, dry, no odor.		
0							@6.5' - **SILT**; dense, medium gray, dry, occasional fine gravels, no odor.		
							@7.6' - **SILT with fine sand lenses** ; soft, dark gray, moist, no odor.	8.0	
				10	SM		**Silty SAND** ; fine sand, few SILT lenses in upper 2 feet, loose, dark gray, wet.		Monterey Sand #2/12 2" diam., Schedule 40 PVC
							12' - dark gray, wet.		
				15	ML		**SILT with fine SAND** ; dark grayish brown, medium stiff, wet, few thin SAND lenses and organics at 14.5'.	13.5	
								16.0	
							Note: Field logs provided in GA's Phase II Environmental Site Assessment Report dated October 1, 2012.		Bottom of Boring @ 16 ft
				20					
				25					
				30					
				35					

WELL LOG (PID) I:\SONOMA~1.PUB\0-USERS\MDUTRA\DRAFTR~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-4
JOB/SITE NAME	Pro-Coatings	**DRILLING STARTED**	20-Jun-12
LOCATION	1215 2nd Avenue North, Kent, Washington	**DRILLING COMPLETED**	20-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**	36.63 ft above msl
BORING DIAMETER	8"	**SCREENED INTERVAL**	5 to 15 fbg
LOGGED BY	Golder Associates	**DEPTH TO WATER (First Encountered)**	7.0 ft (20-Jun-12)
REVIEWED BY		**DEPTH TO WATER (Static)**	6.41 ft (29-Jun-12)

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)	WELL DIAGRAM
				5			No soil description available.	15.5	Concrete Bentonite Seal Monterey Sand #2/12 2"-diam., 0.010" Slotted Schedule 40 PVC
				10					
				15			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					

WELL LOG (PID) I:\SONOMA~1.PUB\0-USERS\MDUTRA\DRAFTR~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 COMPLETED**	20-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**	37.07 ft above 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) ▽
REVIEWED BY		**DEPTH TO WATER (Static)**	6.89 ft (29-Jun-12) ▼

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)	WELL DIAGRAM
				ASPHALT			**ASPHALT**	0.1	Concrete
					SM		**Silty SAND**; fine to coarse grain, well graded, with trace sub-angular gravel, gray, dense, moist (Fill).		Bentonite Chips
							@2.5' - fine to medium grain, poorly graded, with trace sub-angular peaty organics, gray, moist (Fill).		Monterey Sand #2/12
				5			@4' - fine to coarse grain, well graded, brown, loose, moist, with trace organics and trace remnant topsoil.	5.0	
					ML		**SILT**; trace fine sand, trace clay, gray, loose, wet. ▼		
				10					2"-diam., 0.010" Slotted Schedule 40 PVC
					CL		**Silty CLAY**; stratified, gray, medium stiff, wet.	11.0	
					ML		**SILT**; trace fine sand, loose, wet.	14.0	
				15				15.0	
							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					

WELL LOG (PID) I:\SONOMA~1.PUB\C-USERS\MDUTRA\DRAFTR~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-6
JOB/SITE NAME	Pro-Coatings	**DRILLING STARTED**	21-Jun-12
LOCATION	1215 2nd Avenue North, Kent, Washington	**DRILLING COMPLETED**	21-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**	39.44 ft above msl
BORING DIAMETER	8"	**SCREENED INTERVAL**	5 to 15 fbg
LOGGED BY	Golder Associates	**DEPTH TO WATER (First Encountered)**	8.0 ft (21-Jun-12)
REVIEWED BY		**DEPTH TO WATER (Static)**	9.40 ft (29-Jun-12)

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)	WELL DIAGRAM
				0	ASPHALT		**ASPHALT**	0.1	Concrete
					SM		Silty SAND ; fine to coarse grain, well graded, with fine to coarse gravel, gray, dense, moist (Fill).		Bentonite Chips
				5					Monterey Sand #2/12
					ML		SILT ; some peaty organics, brown, medium stiff, moist. ▽ @8' - Sandy SILT ; trace fine sand, trace organics, gray, loose, wet. ▼	7.0	
				10					2"-diam., 0.010" Slotted Schedule 40 PVC
					CL		Silty CLAY ; trace peaty organics, gray, stiff, wet.	12.0	
				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					

WELL LOG (PID) I:\SONOMA~1.PUB\0-USERS\MDUTRA\DRAFTR~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-7
JOB/SITE NAME	Pro-Coatings	**DRILLING STARTED**	21-Jun-12
LOCATION	1215 2nd Avenue North, Kent, Washington	**DRILLING COMPLETED**	21-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**	38.28 ft above msl
BORING DIAMETER	8"	**SCREENED INTERVAL**	5 to 15 fbg
LOGGED BY	Golder Associates	**DEPTH TO WATER (First Encountered)**	7.5 ft (21-Jun-12)
REVIEWED BY		**DEPTH TO WATER (Static)**	8.98 ft (29-Jun-12)

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)	WELL DIAGRAM
				0	ASPHALT		**ASPHALT**	0.1	Concrete
					SM		**Silty SAND**; fine to coarse grain, well graded, few fine to coarse gravel, trace organics, gray and brown, dense, moist (Fill).		Bentonite Chips
				5					Monterey Sand #2/12
					ML		**SILT**; some peaty organics, trace remnant topsoil, dark gray, medium stiff to stiff, moist. ▽	7.0	
				10			@8' - **Sandy SILT**; trace fine sand, trace peaty organics, medium stiff, wet. ▼		2"-diam., 0.010" Slotted Schedule 40 PVC
					CL		**Silty CLAY**; trace peaty organics, soft, wet.	11.0	
				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					

WELL LOG (PID) I:\SONOMA~1.PUB\0-USERS\MDUTRA\DRAFTR~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-8
JOB/SITE NAME	Pro-Coatings	**DRILLING STARTED**	21-Jun-12
LOCATION	1215 2nd Avenue North, Kent, Washington	**DRILLING COMPLETED**	21-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 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)	WELL DIAGRAM
				0	ASPHALT		**ASPHALT**	0.1	Concrete
					SM		**Silty SAND**; fine to coarse grain, well graded, some fine to coarse gravel, brown and gray, dense, moist (Fill).		Bentonite Chips
				5					Monterey Sand #2/12
					CL		**CLAY**; trace peaty organics, trace fine sand and silt, gray, soft, moist.	8.0	
					ML		**SILT**; trace fine sand, gray, wet. ▼	9.0	
				10			**CLAY**; fine silt, trace peaty organics, brownish gray, wet.	10.0	2"-diam., 0.010" Slotted Schedule 40 PVC
					CL				
				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					

WELL LOG (PID) I:\SONOMA~1.PUB\0~USERS\MDUTRA\DRAFTR~1\062175~1\062175~2\062175-SO-GINT.GPJ DEFAULT.GDT 12/30/14

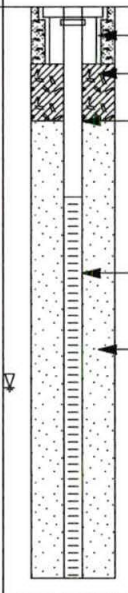
STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

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 ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	DEPTH ft BGS
	ASPHALT	0.33
2	SP-SAND, trace gravel, loose, fine to medium grained, poorly graded, olive brown (2.5Y 3/3), dry	
4		5.00
6	SM-SILTY SAND, with gravel, loose, fine to medium grained, poorly graded, dark olive brown (2.5Y 2/3), dry	
8		10.00
10	ML-SILT, with clay and fine sand, soft, fine grained, very dark gray (2.5Y 3/1), wet	
12		15.00
14	SP-SAND, loose, fine grained, some medium grained, black (10YR 2/1), saturated	16.50
16	END OF BOREHOLE @ 16.5ft BGS	
18		
20		
22		
24		
26		
28		
30		
32		
34		

MONITORING WELL



WELL DETAILS
Screened interval:
5.00 to 15.00ft BGS
Length: 10ft
Diameter: 2in
Slot Size: 0.010
Material: PVC
Seal:
1.50 to 3.00ft BGS
Material: BENTONITE CHIPS
Sand Pack:
3.00 to 15.00ft BGS
Material: SAND

SAMPLE NUMBER	INTERVAL	REC (%)	'N' VALUE	PID (ppm)
1HA				0.0
MW-9-5			5,3,3	0.1
MW-9-10			0,0,1	0.0
MW-9-15			1,2,3	0.0

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE
WATER FOUND ▽
CHEMICAL ANALYSIS (MW-9-10)

OVERBURDEN LOG 062175-WI.GPJ CRA_CORP.GDT 5/20/15

STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

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 ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	DEPTH ft BGS	BOREHOLE	SAMPLE NUMBER	SAMPLE INTERVAL	SAMPLE REC (%)	SAMPLE 'N' VALUE	SAMPLE PID (ppm)
	ASPHALT	0.33	CONCRETE					
2	SP-SAND, with silt, trace gravel, loose, fine to medium grained, poorly graded, dark olive brown (2.5Y, 3/3), dry	3.00		1HA				0.1
4	SM-SILTY SAND, with gravel, loose, fine to medium grained, poorly graded, dark gray (5Y 4/1), dry - gravelly at 5.0ft BGS		BACKFILLED WITH BENTONITE CHIPS	SB-1-5				4.7
6		7.00		2DP				
8	SP-SAND, loose, fine grained, trace medium grained, poorly graded, dark olive gray (5Y 34/2), moist	8.50	∇					
10	ML-SILT, with clay and fine sand, loose, fine grained, very dark gray (5Y 3/1), wet	10.00		SB-1-10				6.4
12	NO RECOVERY (10.0 to 16.0ft BGS), gravelly			3DP				
14								
16	SP-SAND, loose, fine grained, poorly graded, very dark green (2.5Y 3.1), wet	16.00						0.0
18	ML-SILT, with clay and fine sand, loose, fine grained, very dark gray (2.5Y 3/1), wet	17.00		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	25.00						0.0
28	SP-SAND, with silt, medium dense, fine grained, poorly graded, dark olive gray (2.5Y 3/1), moist	27.00		6DP				0.0
30	SW-SAND, fine to coarse grained, well graded, black (10YR 2/1), moist	29.00						
	END OF BOREHOLE @ 30.0ft BGS	30.00						
32								
34								

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE
WATER FOUND ∇
CHEMICAL ANALYSIS ⬭

OVERBURDEN LOG 062175-WI.GPJ CRA_CORP.GDT 5/20/15

STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

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 ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	DEPTH ft BGS	BOREHOLE	SAMPLE NUMBER	SAMPLE INTERVAL	SAMPLE REC (%)	SAMPLE 'N' VALUE	SAMPLE PID (ppm)
	ASPHALT	0.33	CONCRETE					
2	SP-SAND, with silt and gravel, loose, fine to medium grained, poorly graded, olive gray (5Y 4/2), dry	3.00		1HA				0.1
4	SM-SILTY SAND, 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
6		7.00						
8	ML-SILT, with fine sand and clay, loose, fine grained, very dark gray (5Y 3/1), wet	8.00		2DP				
10	SP-SAND, fine to medium grained, poorly graded, very dark gray (2.5Y 3/1), wet			SB-2-10				0.1
12	ML-SILT, with clay and fine sand, loose, fine grained, very dark gray (2.5Y 3/1), wet	11.00		3DP				
14				SB-2-14				0.1
16	SW-SAND, loose, fine to coarse grained, well graded, black (10YR 2/1), wet	15.00		4DP				0.2
18								
20		20.50						
22	ML-SANDY SILT, medium dense, fine grained, very dark grayish brown (2.5Y 3/2), wet	22.50		5DP				0.8
24	SW-SAND, medium dense, fine to coarse grained, well graded, black (10YR 2/1), wet	23.00						
26	ML-SILT, with clay and fine sand, medium dense, very dark greenish gray (GLEY2 3/1), damp	25.00						0.7
28	SW-SAND, medium dense, fine to coarse grained, well graded, black (10YR 2/1), wet	27.00						0.1
30	SP-SAND, medium dense, fine to medium grained, poorly graded, very dark gray (2.5Y 3/1), wet	28.00		6DP				
32	ML-SILT, with clay and fine sand, fine grained, very dark gray (2.5Y 3/1), wet	30.00						0.2
34	END OF BOREHOLE @ 30.0ft BGS							

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE
WATER FOUND ▽
CHEMICAL ANALYSIS ( )

OVERBURDEN LOG 062175-WI.GPJ CRA_CORP.GDT 5/20/15

STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

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 ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	DEPTH ft BGS	BOREHOLE	SAMPLE NUMBER	SAMPLE INTERVAL	SAMPLE REC (%)	SAMPLE 'N' VALUE	SAMPLE PID (ppm)
	ASPHALT	0.75	CONCRETE					
2	SP-SAND, with silt and gravel, loose, fine to medium grained, poorly graded, olive brown (2.5Y 4/3), dry	3.00	BACKFILLED WITH BENTONITE CHIPS	1HA				0.1
4	SM-SILTY SAND, loose, fine to medium grained, poorly graded, dark grayish brown (2.5Y 4/2), dry - gravelly at 5.0ft BGS			SB-3-5				0.1
6		7.00		2DP				0.0
8	SP-SAND, with silt, loose, fine to medium grained, poorly graded, very dark grayish brown (2.5Y 3/2), moist, plant roots - increasing silt content with depth at 8.0ft BGS	8.50	∇	SB-3-10				0.2
10	SP-SAND, with gravel, loose, fine to medium grained, poorly graded, black (10YR 2/1), wet - increasing gravel content with depth at 10.0ft BGS	11.00		3DP				
12	ML-SILT, with clay and fine sand, loose, fine grained, very dark gray (2.5Y 31/1), wet			SB-3-14				0.2
14	SW-SAND, loose, fine to coarse grained, well graded, black (10YR 2/1), wet	14.50						
16				4DP				0.0
18	ML-SILT, with clay, medium dense, fine grained, very dark gray (2.5Y 3/2), damp	18.50 19.00						0.4
20	SW-SAND, medium dense, fine to coarse grained, well graded, black (10YR 2/1), wet							
22		23.00		5DP				
24	ML-SILT, with clay, medium dense, very dark gray (2.5Y 3/1), damp - with fine sand lenses at 24.0ft BGS							0.3
26	SP-SAND, trace silt, medium dense, fine to medium grained, poorly graded, very dark grayish brown (2.5Y 3/2), saturated	25.50						
28				6DP				
30	ML-SILT, medium dense, fine grained, very dark grayish brown (2.5Y 3/2), wet	29.50 29.80						0.1 0.1
32	SW-SAND, medium dense, fine to coarse grained, well graded, black (10YR 2/1), saturated END OF BOREHOLE @ 30.0ft BGS	30.00						
34								

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE
WATER FOUND ∇
CHEMICAL ANALYSIS ( )

STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

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 ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	DEPTH ft BGS	BOREHOLE	SAMPLE NUMBER	SAMPLE INTERVAL	SAMPLE REC (%)	SAMPLE 'N' VALUE	SAMPLE PID (ppm)
0	CONCRETE	0.50	CONCRETE					
2	SP-SAND, with silt, gravel and cobble, loose, fine to medium grained, poorly graded, dark olive brown (2.5Y 3/3), dry							0.1
		3.00		1HA				2.1
4	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		BACKFILLED WITH BENTONITE CHIPS	SB-4-5				3.2
6								
8				2DP				
		9.00	∇					
10	SP-SAND, loose, fine to medium grained, poorly graded, very dark gray (5Y 3/1), wet	10.00		SB-4-10				1.5
12	ML-SILT, with fine sand, trace gravel, loose, fine grained, dark olive gray (5Y 2/2), wet							1.0
		13.00		3DP				
14	SP-SAND, loose, fine to medium grained, poorly graded, very dark grayish brown (2.5Y 3/2), wet	14.00						0.2
				SB-4-15				0.2
16	ML-SILT, with clay and fine sand, loose, fine grained, very dark gray (2.5Y 3/1), wet - increasing in fine sand content with depth from 16.0 to 18.0ft BGS							
18				4DP				0.2
		19.00						0.2
20	SP-SAND, medium dense, fine to medium grained, poorly graded, black (10YR 2/1), wet	20.00						0.2
	SW-SAND, medium dense, fine to coarse grained, well graded, black (10YR 2/1), saturated							0.1
22		22.00		5DP				
	ML-SILT, with fine sand, medium dense, fine grained, very dark grayish brown (2.5Y 3/2), moist							
24								
		25.00						
26	SW-SAND, medium dense, fine to coarse grained, well graded, black (10YR 2/1), saturated	26.00						0.1
	ML-SILT, with sand, medium dense, fine grained, trace medium sand, very dark greenish gray (GLEY1 3/1), wet			6DP				0.1
28								
		29.00						
30	SW-SAND, fine to coarse grained, well graded, black (10YR 2/1), moist	30.00						0.1
	END OF BOREHOLE @ 30.0ft BGS							
32								
34								

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE
WATER FOUND ∇
CHEMICAL ANALYSIS ⬭

OVERBURDEN LOG 062175-WI.GPJ CRA_CORP.GDT 5/20/15

STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

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 ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	DEPTH ft BGS
	CONCRETE	0.54
2	SP-SAND, with silt, gravel and cobble, loose, fine to medium grained, poorly graded, olive brown (2.5Y 4/3), dry	3.00
4	SM-SILTY SAND, with gravel, loose, fine grained, trace medium grained, poorly graded, olive brown (2.5Y 4/3), dry	5.00
6	COBBLE AND GRAVEL, trace sand	8.00
8	SM-SILTY SAND, loose, fine grained, poorly graded, black (10YR 2/1), saturated	
10	- increase in silt content at 11.0ft BGS	
12	- increase in sand content at 12.0ft BGS	13.00
14	ML-SILT, with clay and fine sand, loose, fine grained, very dark gray (10YR 3/1), wet	15.00
16	SP-SAND, with silt, loose, fine grained, trace medium grained, poorly graded, very dark grayish brown (2.5Y 3/1), saturated	17.50
18	ML-SILT, with clay and fine sand, medium dense, fine grained, very dark gray (5Y 3/1), wet	
20	- increasing silt content from 19.0 to 20.0ft BGS	
22	- increasing fine sand content from 20.0 to 20.5ft BGS	22.50
24	SW-SAND, medium dense, fine to coarse grained, well graded, olive brown (2.5Y 4/3), damp	23.50
	ML-SILT, medium dense, fine grained, very dark gray (2.5Y 3/1), dry	24.00
26	SW-SAND, medium dense, fine to coarse grained, well graded, olive brown (2.5Y 4/3), dry	26.00
28	ML-SILT, medium dense, fine grained, black (2.5YR 2.5/1), moist	27.00
30	SP-SAND, medium dense, fine to medium grained, poorly graded, olive brown (2.5Y 4/3), moist	30.00
32	END OF BOREHOLE @ 30.0ft BGS	
34		

BOREHOLE: CONCRETE; BACKFILLED WITH BENTONITE CHIPS; ∇

SAMPLE NUMBER	INTERVAL	REC (%)	'N' VALUE	PID (ppm)
1HA				1.6
SB-5-5				0.2
2DP				
SB-5-10				0.1
3DP				
SB-5-15				0.1
				0.1
4DP				
				0.0
5DP				0.0
				0.0
				0.0
				0.0
6DP				
				0.0

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE
WATER FOUND ∇
CHEMICAL ANALYSIS ⬭

OVERBURDEN LOG 062175-WI.GPJ CRA_CORP.GDT 5/20/15

STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

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 ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	DEPTH ft BGS	BOREHOLE	SAMPLE NUMBER	SAMPLE INTERVAL	SAMPLE REC (%)	SAMPLE 'N' VALUE	SAMPLE PID (ppm)
	ASPHALT	0.33	CONCRETE	SB-6-0.5				0.3
2	SM-SILTY SAND, with gravel, loose, fine grained, poorly graded, dark grayish brown (2.5Y 4/2), dry	0.50		1DP				
4	SM-SILTY SAND, loose, fine to medium grained, poorly graded, olive (5Y 4/4), dry		BACKFILLED WITH BENTONITE CHIPS	SB-6-5				0.2
6	SP-SAND, loose, fine to medium grained, poorly graded, dark olive gray (5Y 3/2), dry,	6.00						0.1
	plant roots	7.00		2DP				
8	SP-SAND, loose, fine to medium grained, poorly graded, dark olive brown (2.5Y 3/3), wet			SB-6-10				0.1
10								
12	ML-SILT, with clay and fine sand, loose, fine grained, dark gray (10YR 4/1), wet	11.00		3DP SB-6-13				0.0
14								
16	SW-SAND, loose, fine to coarse grained, well graded, black (10YR 2/1), wet	15.00						0.0
18	- increasing fine sand with depth at 17.5ft BGS	18.00		4DP				0.0
20	ML-SILT, with clay, medium dense, fine grained, very dark grayish brown (10YR 3/2), moist	19.00						0.0
	SW-SAND, medium dense, fine to coarse grained, well graded, black (10YR 2/1), wet	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
24	SW-SAND, medium dense, fine to coarse grained, well graded, black (10YR 2/1), wet	24.00						0.0
	ML-SILT, medium dense, fine grained, very dark greenish gray (GLEY2 3/1), damp	25.00						0.0
26	SW-SAND, medium dense, fine to coarse grained, well graded, black (10YR 2/1), wet	27.00						0.0
28	ML-SILT, with sand, medium dense, fine grained, dark greenish gray (GLEY2 4/1), damp	28.00		6DP				0.0
30	SW-SAND, medium dense, fine to coarse grained, well graded, black (10YR 2/1), wet	30.00						0.0
	END OF BOREHOLE @ 30.0ft BGS							
32								
34								

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE
WATER FOUND ▽
CHEMICAL ANALYSIS ⬭

OVERBURDEN LOG 062175-WI.GPJ CRA_CORP.GDT 5/20/15

STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

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

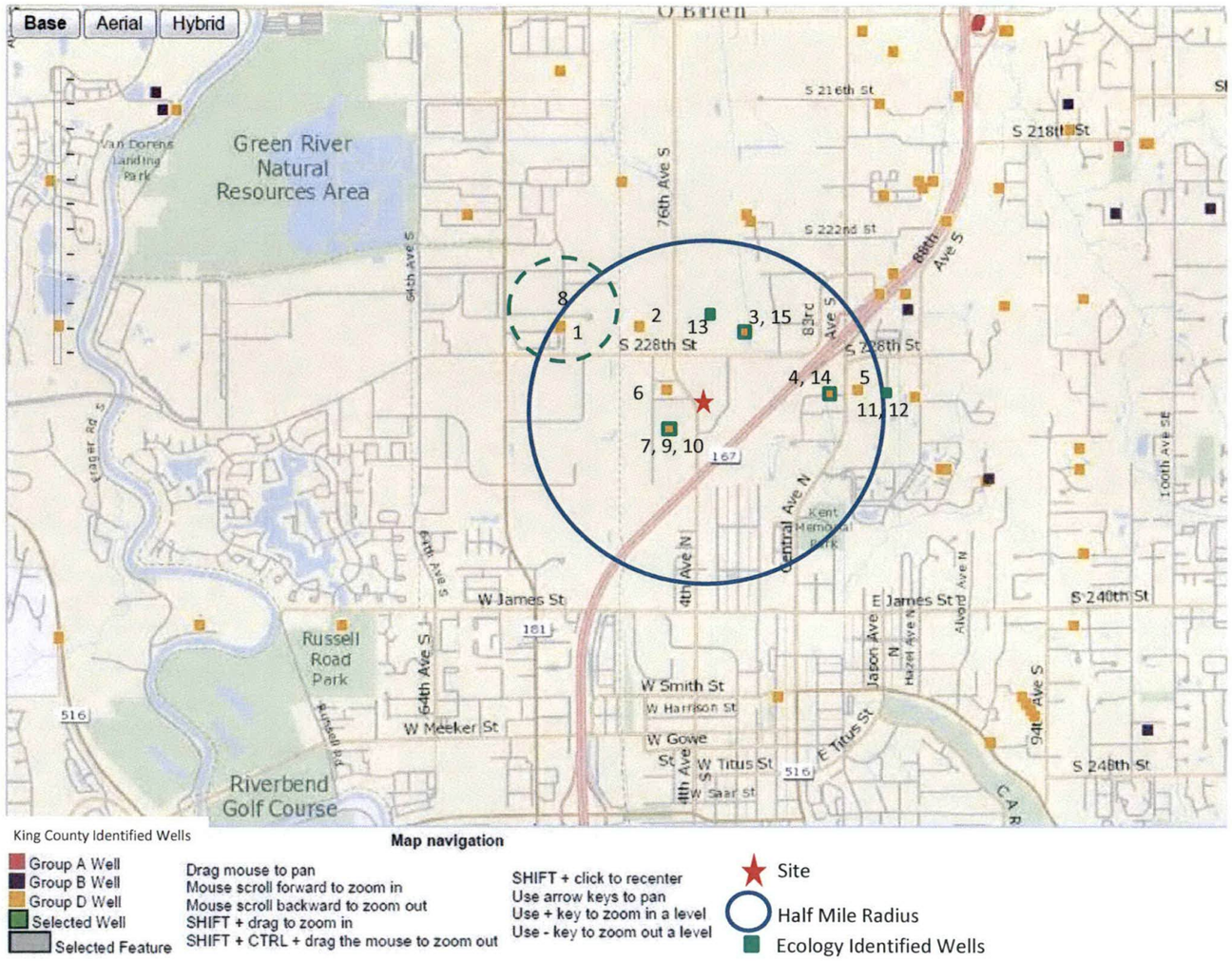
DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	DEPTH ft BGS	BOREHOLE	SAMPLE NUMBER	SAMPLE INTERVAL	SAMPLE REC (%)	SAMPLE 'N' VALUE	SAMPLE PID (ppm)
	ASPHALT	0.33	CONCRETE					
2	GM-GRAVEL, with sand, little fines, loose, 0.1-2" gravel, coarse sand, well graded, dark greenish gray (GLEY 4/1), damp							
	SM-SILTY SAND, with gravel, loose, fine to medium grained, poorly graded, very dark gray (5Y 3/1), dry	3.00		1HA				0.1
4			BACKFILLED WITH BENTONITE CHIPS	SB-7-5				0.0
	(NO RECOVERY (5.0 to 12.0ft BGS) gravelly	5.00						
6								
				2DP				
8								
10			▽					
12	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
14								
	SP-SAND, with silt, loose, fine grained, poorly graded, very dark grayish brown (2.5Y 3/2), saturated	15.00						
16								
				4DP				
18		18.00						
	ML-SILT, loose, fine grained, very dark gray (2.5Y 3/1), wet	18.50						
	SP-SAND, loose, fine to medium grained, poorly graded, black (2.5Y 5/1), wet	20.00		SB-7-20				0.1
20	NO RECOVERY (20.0 to 24.0ft BGS)							
22				5DP				0.1
24	SM-SILTY SAND, medium dense, fine grained, poorly graded, black (2.5Y 2.5/1), wet	24.00						
	SP-SAND, medium dense, fine grained, poorly graded, black (10YR 2.5/1), saturated	25.00						
26								
28				6DP				
		29.00						
	SM-SILTY SAND, medium dense, fine grained, poorly graded, black (2.5Y 5/1), moist	30.00						0.1
30	END OF BOREHOLE @ 30.0ft BGS							
32								
34								

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE
WATER FOUND ▽
CHEMICAL ANALYSIS ⬭

OVERBURDEN LOG 062175-WI.GPJ CRA_CORP.GDT 5/20/15

Appendix B
Water Supply Well Logs

Water Wells Within ½ Mile of the Site



1: Well ID: S_472356122144501
Depth: 68 feet
Location Name: Horvath
Note: May be the same as well #8 below

2. Well ID: S_472356122142701
Depth: 87 feet
Location Name: Bigelow

3. Well ID: S_472355122140301
Depth: 68 feet
Location Name: Johnson

4. Well ID: N_472346122133901
Depth: Unknown
Location Name: Not Given

5. Well ID: S_472346122133801
Depth: 135 feet
Location Name: Reand

6. Well ID: S_472346122142101
Depth: 60 feet
Location Name: Bevilacqua

7. Well ID: S_472340122142001
Depth: 650 feet
Location Name: Minute Maid Co.

8. General Vicinity of Ecology Listed Water Well
Depth: 68 feet
Location Name: NW1/4 NW1/4, Sec 13, T22N, R4E

9. Well ID: Domestic Well
Depth: Unknown
Location Name: Parcel 3830900280; Teresa L. Bernasconi

10. Well ID: Domestic Well
Depth: Unknown
Location Name: Parcel 3830900280; William G. Springer

11. Well ID: Unknown
Depth: Unknown
Location Name: Parcel 1822059080

12. Well ID: Irrigation Well
Depth: Unknown
Location Name: Parcel 1822059012; Mike Carpinito

13. Well ID: Irrigation Well
Depth: Unknown
Location Name: Parcel 1322049003; George Lazzarini

14. Well ID: Irrigation Well
Depth: Unknown
Location Name: Parcel 1322049052; Walter Shaff

15. Well ID: Irrigation Well
Depth: Unknown
Location Name: Parcel 1322049192; Teresa L. Bernasconi

STATE OF WASHINGTON
DEPARTMENT OF CONSERVATION
AND DEVELOPMENT

WELL LOG Trench No Appli. #4953
Cert. 3522-A

Date 1-13 , 1960

Record by owner

Source

Location State of WASHINGTON

County King

Area

Map

NW¼ NW¼ sec 13 T 22N, R 4 E

Drilling Co owner

Address

Method of Drilling driven Date , 1958

Owner George Horath

Address Kent, Washington

Land surface, datum ft above / below

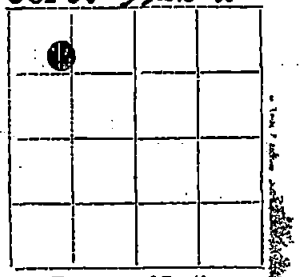


Diagram of Section

22/4E-13D1

File number

CORRELATION	MATERIAL	THICKNESS (feet)	DEPTH (feet)
	(Transcribe driller's terminology literally but paraphrase as necessary, in parentheses. If material water bearing so state and record static level if reported. Give depths in feet below land-surface datum unless otherwise indicated. Correlate with stratigraphic column, if feasible. Following log of materials list all casings perforations screens, etc.)		
	Dim. 68'x2"		
	Type & size of pump: 2 piston pump		
	Type & size of motor or engine:		
	Type RK 3/4 house power		
	4 ft. perforated casing with screen		

Turn up Sheet of sheets

King County Groundwater Data: 12/5/2014

If you have any questions about this data, please contact **Eric Ferguson** at **206-263-6512** or email **eric.ferguson@kingcounty.gov** .

Well Detail

Well ID	**S_472356122144501**
Location Name	HORVATH
Well Type	Well
Well Depth (ft)	68
Surface Elevation (ft)	32
X Coord (WAN-SPF)	1290604.75
Y Coord (WAN-SPF)	148714.2344
Has Water Level Data?	No
Has Water Quality Data?	No
Local Number	22N/04E-13D01
Ecology Well Tag	Unknown
Parcel Number	
GWMA Code	South King County
Basin	Black River
CARA Area	None
City	Kent

Water Level Data

No water level sampling data exists for the searched well.

Water Quality Data

No water quality sampling data exists for the searched well.

King County Groundwater Data: 12/5/2014

If you have any questions about this data, please contact **Eric Ferguson** at

Well Detail

Well ID	**S_472356122142701**
Location Name	BIGELOW
Well Type	Well
Well Depth (ft)	87
Surface Elevation (ft)	32
X Coord (WAN-SPF)	1291842.875
Y Coord (WAN-SPF)	148691.5625
Has Water Level Data?	No
Has Water Quality Data?	No
Local Number	22N/04E-13C01
Ecology Well Tag	Unknown
Parcel Number	
GWMA Code	South King County
Basin	Black River
CARA Area	None
City	Kent

Water Level Data

No water level sampling data exists for the searched well.

Water Quality Data

No water quality sampling data exists for the searched well.

King County Groundwater Data: 12/5/2014

If you have any questions about this data, please contact **Eric Ferguson** at

Well Detail

Well ID	**S_472355122140301**
Location Name	JOHNSON
Well Type	Well
Well Depth (ft)	68
Surface Elevation (ft)	33
X Coord (WAN-SPF)	1293490.25
Y Coord (WAN-SPF)	148559.3438
Has Water Level Data?	No
Has Water Quality Data?	No
Local Number	22N/04E-13B01
Ecology Well Tag	Unknown
Parcel Number	
GWMA Code	South King County
Basin	Black River
CARA Area	None
City	Kent

Water Level Data

No water level sampling data exists for the searched well.

Water Quality Data

No water quality sampling data exists for the searched well.

King County Groundwater Data: 12/5/2014

If you have any questions about this data, please contact **Eric Ferguson** at

Well Detail

Well ID	**N_472346122133901**
Location Name	Not Given
Well Type	Well
Well Depth (ft)	
Surface Elevation (ft)	34
X Coord (WAN-SPF)	1294740.625
Y Coord (WAN-SPF)	147562.9688
Has Water Level Data?	No
Has Water Quality Data?	No
Local Number	22N/04E-13H02
Ecology Well Tag	Unknown
Parcel Number	
GWMA Code	South King County
Basin	Black River
CARA Area	None
City	Kent

Water Level Data

No water level sampling data exists for the searched well.

Water Quality Data

No water quality sampling data exists for the searched well.

King County Groundwater Data: 12/5/2014

If you have any questions about this data, please contact **Eric Ferguson** at

Well Detail

Well ID	**S_472346122133801**
Location Name	READ
Well Type	Well
Well Depth (ft)	135
Surface Elevation (ft)	34
X Coord (WAN-SPF)	1295194.75
Y Coord (WAN-SPF)	147616.3125
Has Water Level Data?	No
Has Water Quality Data?	No
Local Number	22N/04E-13H01
Ecology Well Tag	Unknown
Parcel Number	
GWMA Code	South King County
Basin	Black River
CARA Area	None
City	Kent

Water Level Data

No water level sampling data exists for the searched well.

Water Quality Data

No water quality sampling data exists for the searched well.

King County Groundwater Data: 12/5/2014

If you have any questions about this data, please contact **Eric Ferguson** at

Well Detail

Well ID	**S_472346122142101**
Location Name	BEVILACQUA
Well Type	Well
Well Depth (ft)	60
Surface Elevation (ft)	34
X Coord (WAN-SPF)	1292235.5
Y Coord (WAN-SPF)	147670.1563
Has Water Level Data?	No
Has Water Quality Data?	No
Local Number	22N/04E-13F01
Ecology Well Tag	Unknown
Parcel Number	
GWMA Code	South King County
Basin	Black River
CARA Area	None
City	Kent

Water Level Data

No water level sampling data exists for the searched well.

Water Quality Data

No water quality sampling data exists for the searched well.

King County Groundwater Data: 12/5/2014

If you have any questions about this data, please contact **Eric Ferguson** at

Well Detail

Well ID	**S_472340122142001**
Location Name	MINUTE MAID CO
Well Type	Well
Well Depth (ft)	650
Surface Elevation (ft)	32
X Coord (WAN-SPF)	1292293.625
Y Coord (WAN-SPF)	147059.8438
Has Water Level Data?	No
Has Water Quality Data?	No
Local Number	22N/04E-24C01
Ecology Well Tag	Unknown
Parcel Number	
GWMA Code	South King County
Basin	Black River
CARA Area	None
City	Kent

Water Level Data

No water level sampling data exists for the searched well.

Water Quality Data

No water quality sampling data exists for the searched well.

STATE OF WASHINGTON
DEPARTMENT OF ECOLOGY
WATER RIGHT CLAIMS REGISTRATION

WATER RIGHT CLAIM

RECEIVED
JUL 27 1974

1. NAME Teresa L. Bernasconi

ADDRESS 22239 84th Avenue South

Kent, Washington. ZIP CODE 98031

2. SOURCE FROM WHICH THE RIGHT TO TAKE AND MAKE USE OF WATER IS CLAIMED: ground water (SURFACE OR GROUND WATER)

W.R.I.A. 09 (LEAVE BLANK)

A. IF GROUND WATER, THE SOURCE IS well

B. IF SURFACE WATER, THE SOURCE IS

3. THE QUANTITIES OF WATER AND TIMES OF USE CLAIMED:

A. QUANTITY OF WATER CLAIMED ~~4800 gallons~~ 3 1/3 PRESENTLY USED ~~4800 gallons~~ 3 1/3 (GALLONS PER MINUTE)

B. ANNUAL QUANTITY CLAIMED 5.38 PRESENTLY USED 5.38 (ACRE FEET PER YEAR)

C. IF FOR IRRIGATION, ACRES CLAIMED PRESENTLY IRRIGATED

D. TIME(S) DURING EACH YEAR WHEN WATER IS USED: January 1 to December 31

4. DATE OF FIRST PUTTING WATER TO USE: MONTH December YEAR 1944

5. LOCATION OF THE POINT(S) OF DIVERSION/WITHDRAWAL: 605 FEET South AND 185 FEET West FROM THE Northeast CORNER OF SECTION 13

BEING WITHIN North ½ of Northeast ¼ OF SECTION 13, T. 22 N., R. 4 E (E. ~~OR W.~~) W.M.

IF THIS IS WITHIN THE LIMITS OF A RECORDED PLATTED PROPERTY, LOT BLOCK OF

(GIVE NAME OF PLAT OR ADDITION)

6. LEGAL DESCRIPTION OF LANDS ON WHICH THE WATER IS USED: West 315 feet of East 345 Feet of South 720 Feet of North 780 Feet of North ½ of NE ¼ of Section 13, Township 22, Range 4 East, W.M., less State Highway, Less portion for South 228th Street. Situate in King County, Washington.

COUNTY King

7. PURPOSE(S) FOR WHICH WATER IS USED: Commercial use for restaurant and domestic supply for two homes and four apartments

8. THE LEGAL DOCTRINE(S) UPON WHICH THE RIGHT OF CLAIM IS BASED: Appropriation

DO NOT USE THIS SPACE

THE FILING OF A STATEMENT OF CLAIM DOES NOT CONSTITUTE AN ADJUDICATION OF ANY CLAIM TO THE RIGHT TO USE OF WATERS AS BETWEEN THE WATER USE CLAIMANT AND THE STATE OR AS BETWEEN ONE OR MORE WATER USE CLAIMANTS AND ANOTHER OR OTHERS. THIS ACKNOWLEDGEMENT CONSTITUTES RECEIPT FOR THE FILING FEE.

DATE RETURNED FEB 1975

THIS HAS BEEN ASSIGNED WATER RIGHT CLAIM REGISTRY NO. 125968

John Biggs

DIRECTOR - DEPARTMENT OF ECOLOGY

I HEREBY SWEAR THAT THE ABOVE INFORMATION IS TRUE AND ACCURATE TO THE BEST OF MY KNOWLEDGE AND BELIEF

X Teresa L. Bernasconi

DATE June 25 1974

IF CLAIM FILED BY DESIGNATED REPRESENTATIVE, PRINT OR TYPE FULL NAME AND MAILING ADDRESS OF AGENT BELOW

☐ ADDITIONAL INFORMATION RELATING TO WATER QUALITY AND/OR WELL CONSTRUCTION IS AVAILABLE.

A FEE OF $2.00 MUST ACCOMPANY THIS WATER RIGHT CLAIM

ORIGINAL DWR

RETURN ALL THREE COPIES WITH CARBONS INTACT, ALONG WITH YOUR FEE TO:
DEPARTMENT OF ECOLOGY
WATER RIGHT CLAIMS REGISTRATION
P.O. BOX 829 OLYMPIA, WASHINGTON 98504

STATE OF WASHINGTON
DEPARTMENT OF ECOLOGY
WATER RIGHT CLAIMS REGISTRATION

WATER RIGHT CLAIM

OCT-272025517

1. NAME William G. Springer

ADDRESS 36 - 157th Avenue S. E.

Bellevue, Washington ZIP CODE 98008

2. SOURCE FROM WHICH THE RIGHT TO TAKE AND MAKE USE OF WATER IS CLAIMED: Ground Water (SURFACE OR GROUND WATER)

W.R.I.A. 09 (LEAVE BLANK)

A. IF GROUND WATER, THE SOURCE IS Well

B. IF SURFACE WATER, THE SOURCE IS

3. THE QUANTITIES OF WATER AND TIMES OF USE CLAIMED:

A. QUANTITY OF WATER CLAIMED 5 gallons per minute PRESENTLY USED 5 gallons per minute (CUBIC FEET PER SECOND OR GALLONS PER MINUTE)

B. ANNUAL QUANTITY CLAIMED 1 Acre foot per year PRESENTLY USED 1 Acre foot per year (ACRE FEET PER YEAR)

C. IF FOR IRRIGATION, ACRES CLAIMED PRESENTLY IRRIGATED

D. TIME(S) DURING EACH YEAR WHEN WATER IS USED: All year

4. DATE OF FIRST PUTTING WATER TO USE: MONTH YEAR 1914

5. LOCATION OF THE POINT(S) OF DIVERSION/WITHDRAWAL: 365 FEET South AND 150 FEET North FROM THE S. E. quarter of the N. E. quarter CORNER OF SECTION 13

BEING WITHIN OF SECTION 13, T. 22 N., R. 4 E. (~~E.~~) W.M.

IF THIS IS WITHIN THE LIMITS OF A RECORDED PLATTED PROPERTY, LOT BLOCK OF

(GIVE NAME OF PLAT OR ADDITION)

6. LEGAL DESCRIPTION OF LANDS ON WHICH THE WATER IS USED: N. 590 ft. of the S. E. Quarter of the N. E. Quarter, Section 13, Township 22 North, Range 4, E.W.M., except the W. 670 ft. thereof and except County Road and State Highway

COUNTY King

7. PURPOSE(S) FOR WHICH WATER IS USED: Domestic

8. THE LEGAL DOCTRINE(S) UPON WHICH THE RIGHT OF CLAIM IS BASED: Use over extended period of time.

DO NOT USE THIS SPACE

THE FILING OF A STATEMENT OF CLAIM DOES NOT CONSTITUTE AN ADJUDICATION OF ANY CLAIM TO THE RIGHT TO USE OF WATERS AS BETWEEN THE WATER USE CLAIMANT AND THE STATE OR AS BETWEEN ONE OR MORE WATER USE CLAIMANTS AND ANOTHER OR OTHERS. THIS ACKNOWLEDGEMENT CONSTITUTES RECEIPT FOR THE FILING FEE

DATE RETURNED THIS HAS BEEN ASSIGNED WATER RIGHT CLAIM REGISTRY NO.

OCT 272018159

DIRECTOR - DEPARTMENT OF ECOLOGY

I HEREBY SWEAR THAT THE ABOVE INFORMATION IS TRUE AND ACCURATE TO THE BEST OF MY KNOWLEDGE AND BELIEF

X William G. Springer

DATE September 29, 1972

IF CLAIM FILED BY DESIGNATED REPRESENTATIVE PRINT OR TYPE FULL NAME AND MAILING ADDRESS OF AGENT BELOW

☐ ADDITIONAL INFORMATION RELATING TO WATER QUALITY AND/OR WELL CONSTRUCTION IS AVAILABLE

A FEE OF $2.00 MUST ACCOMPANY THIS WATER RIGHT CLAIM

ORIGINAL DWR

PETURN ALL THREE COPIES WITH CARBONS INTACT ALONG WITH YOUR FEE TO
DEPARTMENT OF ECOLOGY
WATER RIGHT CLAIMS REGISTRATION
P O BOX 829 OLYMPIA WASHINGTON 98501

Department of Ecology

Claim Separator Sheet

Claim Number

98-003154

STATE OF WASHINGTON
DEPARTMENT OF ECOLOGY

STATEMENT OF WATER RIGHT CLAIM

FOR OFFICE USE ONLY
9/33
98003154
'98 JUL -6 A9:53
WRIA

RECEIVED
JUN 30 1998
Water Resources Program
Department of Ecology

DEPT. OF ECOLOGY
CASHIERING SECTION

1. Mike Carpinito
Name
1148 North Central
Mailing Address
Kent WA 98032 Phone No. (253) 854-5693
City State Zip

2. Date water was first put to use on your property *(see instructions)* Month 1 and Year 1938 (Permit Date) (King Co. Tax Ass.)

3. COMPLETE ONLY ONE BOX BELOW *(please read the instructions)*

3a. GROUND WATER	3b. SURFACE WATER (Give name if known)
☒ Well	☐ _____ River ☐ _____ Lake
☐ Infiltration Trench	☐ _____ Creek ☐ _____ Spring
☐ Other _____ Give Name	☐ _____ Ditch ☐ _____ Pond
	☐ Other _____
4a. INSTANTANEOUS QUANTITY 40 gpm *(See Instructions 10 gpm=0.02 cfs ; 1 cfs=450 gpm)*	4b. INSTANTANEOUS QUANTITY _____ cfs *(See Instructions 10 gpm=0.02 cfs ; 1 cfs=450 gpm)*
5a. ANNUAL QUANTITY OF WATER 63.69 afy *(One acre foot = 325,581 gallons)*	5b. ANNUAL QUANTITY OF WATER _____ afy *(One acre foot = 325,581 gallons)*

6. PURPOSE OF USE:
☒ Irrigation *(Number of acres irrigated)* 28: 5AC
☐ Domestic Use *(Number of units)* _____
☐ Commercial *(Description)* _____
☐ Stockwater
☐ Municipal
☐ Other *(List all)* _____

7. PERIOD OF USE: ☒ Continuous or ☐ Seasonal From (Green House Plants) To _____

8. LOCATION OF THE POINT OF DIVERSION/WITHDRAWAL:
Approximately 310 Feet (north, south) and 200 Feet (east, west) From The SW Corner of Section 18
Being Within The SW 1/4 of NW 1/4 of Section 18 T. 22 N., R. 5 (E. or W.) W.M.

9. IF THE POINT OF DIVERSION/WITHDRAWAL IS LOCATED ON PLATTED PROPERTY:
Lot 085 Block _____ of (Parcel No. 182205-9085) (Plat or Addition)
Section 18 T. 22 N., R. 5 (E or W.) W.M.

10. LEGAL DESCRIPTION OF PROPERTY WHERE WATER IS USED:
See attached legals

Within Section 18 T. 22 N., R. 5 (E or W.) W.M., County King

11. TAX PARCEL NUMBER: (Parcels 182205-9012 and 182205-9080 and 182205-9085 and 182205-9013 and 182205-9014)

12. LEGAL DOCTRINE: ☐ Appropriation ☒ Riparian ☐ Other _____

REGISTRATION NUMBER
301663

THIS IS NOT A WATER RIGHT

If this form is not fully completed, it will be returned.
I hereby swear that the above information is true and accurate to the best of my knowledge.

Signature: Mike Carpinito
Date: 6-29-98

ECY 040-57 (7/97)

Ecology is an equal opportunity and affirmative action employer.

STATE OF WASHINGTON
DEPARTMENT OF ECOLOGY
P.O. Box 47600 • Olympia, Washington 98504-7600
(360) 407-6000 • TDD Only (Hearing Impaired) (360) 407-6006

July 31, 1998

Mike Carpinito
1148 North Central
Kent WA 98032

Dear Mike Carpinito:

Your claim to the use of historic water has been accepted in the 1997 claims registration. The registration number is on the bottom left hand side of the form. The law requires that we include the following language after registration of your claim:

> "The filing of a statement of claim does not constitute an adjudication of any claim to the right to use of waters as between the water use claimant and the state, or as between one or more water use claimants and another or others."

The acceptance of this statement of claim by the Department **does not** give you the right to use the water if you can't prove, in a superior court the historic use of the water.

Please be aware under Chapter 90.14.068 RCW

> ....This reopening of the period for filing statements of claim shall not affect or impair in any respect whatsoever any water right existing prior to July 27, 1997. A water right embodied in a statement of claim filed under this section is subordinate to any water right embodied in a permit or certificate issued under Chapter 90.03 or 90.44 RCW prior to the date the statement of claim is filed with the Department and is subordinate to any water right embodied in a statement of claim filed in the water rights claims registry before July 27, 1997.

Sincerely,

for Candy Pittman
Water Resources Program

Enclosure
Claim No. 301,659;663

CERTIFICATE RECORD No. 8, PAGE No. 3834

STATE OF WASHINGTON, COUNTY OF King

CERTIFICATE OF SURFACE WATER RIGHT

This is to certify that GEORGE & V. LAZZARINI *of* Kent, *State of* Washington, *has made proof to the satisfaction of the State Supervisor of Hydraulics of Washington, of a right to the use of the waters of* Mill Creek, *a tributary of* Green River *with point or points of diversion within the* NW¼ of NE¼ of *Sec.* 13, *Twp.* 22 *N., R.* 4 *E., W. M., under* Appropriation *Permit No.* 6382 *issued by the State Supervisor of Hydraulics, and that said right to the use of said waters has been perfected in accordance with the laws of Washington, and is hereby confirmed by the State Supervisor of Hydraulics of Washington and entered of record in Volume* 8, *at Page* 3834, *on the* 26th *day of* October, *19*50; *that the priority date of the right hereby confirmed is* November 29, 1949; *that the amount of water under the right hereby confirmed, for the following purposes is limited to an amount actually beneficially used and shall not exceed*

0.30 of a cubic foot per second for the purpose of irrigation of 34 acres.

A description of the lands under such right to which the water right is appurtenant, and the place where such water is put to beneficial use, is as follows:

That portion of the NW¼ of NE¼ of Sec. 13, Twp. 22 N., Rge. 4 E.W.M. lying West of the right of way of the Northern Pacific Railway Company, except county roads.

The right to the use of the water aforesaid hereby confirmed is restricted to the lands or place of use herein described, except as provided in Sections 6 and 7, Chapter 122, Laws of 1929.

WITNESS the seal and signature of the State Supervisor of Hydraulics affixed this 26th *day of* October, *19*50.

Chas. J. Bartholet

State Supervisor of Hydraulics.

COMPUTER DATA

S. F. No. 103—3-51—RC. 37733

CERTIFICATE RECORD NO. 11 , PAGE NO. 5305

STATE OF WASHINGTON, COUNTY OF King

CERTIFICATE OF SURFACE WATER RIGHT

(In accordance with the provisions of Chapter 117, Laws of Washington for 1917, and amendments thereto, and the rules and regulations of the State Supervisor of Water Resources thereunder.)

This is to certify that WALTER E. SHAFF *of* Kent, *State of* Washington, *has made proof to the satisfaction of the State Supervisor of Water Resources of Washington, of a right to the use of the waters of* unnamed drainage ditch *, a tributary of* Green River *with point or points of diversion within the* SE¼ of NE¼ of *Sec.* 13 *, Twp.* 22 *N., R.* 4 E. *, W. M., under and subject to provisions contained in* Appropriation *Permit No.* 7349 *issued by the State Supervisor of Water Resources, and that said right to the use of said waters has been perfected in accordance with the laws of Washington, and is hereby confirmed by the State Supervisor of Water Resources of Washington and entered of record in Volume* 11 *, at Page* 5305 *, on the* 30th *day of* July *, 1953 that the priority date of the right hereby confirmed is* March 23, 1951*; that the amount of water under the right hereby confirmed, for the following purposes is limited to an amount actually beneficially used and shall not exceed*

0.09 of a cubic foot per second for the purpose of the irrigation of 8 acres.

A description of the lands under such right to which the water right is appurtenant, and the place where such water is put to beneficial use, is as follows:

That portion of the SE¼ of NE¼ of Sec. 13, Twp. 22 N., Rge. 4 E.W.M. described as follows: Beginning at the East quarter section corner of said Sec. 13; thence North 0°18'47" East along the East line of said section 336.30 feet; thence North 89°56'00" West 30 feet to the true point of beginning, said point being the Northeast corner of a tract of land conveyed to B. W. Emm by deed recorded in volume 1392 of Deeds, page 301, under auditor's file No. 2457948, Records of said County; thence North 88°56'00" West along the North line of said Emm tract, 221 feet to the Northwest corner thereof; thence South 12°18'30" East along the West line of said tract, 4.91 feet; thence South 89°50'18" West 1069.90 feet, more or less, to the West line of said SE¼ of NE¼; thence North 0°17'03" West 330 feet, more or less, to the South line of the North 575 feet of said subdivision; thence North 89°50'26" East along said South line, 1291 feet, more or less, to the West line of State Road No. 5; thence South 0°18'47" East along said West line, 332.64 feet, more or less, to the true point of beginning, except Northern Pacific Railway right-of-way.

The right to the use of the water aforesaid hereby confirmed is restricted to the lands or place of use herein described, except as provided in Sections 6 and 7, Chapter 122, Laws of 1929.

WITNESS the seal and signature of the State Supervisor of Water Resources affixed this 30th *day of* July *, 1953.*

Chas J. Bartholet

State Supervisor of Water Resources.

ENGINEERING DATA

O.K. [signature]

S. F. No. [illegible]

CERTIFICATE RECORD NO. 9, PAGE NO. 4166

STATE OF WASHINGTON, COUNTY OF King

CERTIFICATE OF SURFACE WATER RIGHT

(In accordance with the provisions of Chapter 117, Laws of Washington for 1917, and amendments thereto, and the rules and regulations of the State Supervisor of Water Resources thereunder.)

This is to certify that TONY [illegible]

of Kent, State of Washington, has made proof to the satisfaction of the State Supervisor of Water Resources of Washington, of a right to the use of the waters of an unnamed drainage ditch, a tributary of Green River, with point or points of diversion within the NE¼ of NE¼ of Sec. 13, Twp. 22 N., R. 4 E., W. M., under and subject to provisions contained in appropriation Permit No. 6460 issued by the State Supervisor of Water Resources, and that said right to the use of said waters has been perfected in accordance with the laws of Washington, and is hereby confirmed by the State Supervisor of Water Resources of Washington and entered of record in Volume 9, at Page 4166, on the 16th day of August, 19[illegible]; that the priority date of the right hereby confirmed is December 30, 1949; that the amount of water under the right hereby confirmed, for the following purposes is limited to an amount ~~actually beneficially used and shall not exceed~~

0.33 of a cubic foot per second for the purpose of irrigation of 33 acres.

A description of the lands under such right to which the water right is appurtenant, and the place where such water is put to beneficial use, is as follows:

That part of N½ of NE¼ of Sec. 13, Twp. 22 N., Rge. 4 E.W.M., lying East of the Northern Pacific Railway right-of-way.

The right to the use of the water aforesaid hereby confirmed is restricted to the lands or place of use herein described, except as provided in Sections 6 and 7, Chapter 122, Laws of 1929.

WITNESS the seal and signature of the State Supervisor of Water Resources affixed this 16th day of August, 19[illegible].

M. Walker, Actg. Supt.
State Supervisor of Water Resources.

ENGINEERING DATA

OK RHR

Appendix C
TEE Exclusion Documentation

DEPARTMENT OF ECOLOGY
State of Washington

Voluntary Cleanup Program

Washington State Department of Ecology
Toxics Cleanup Program

TERRESTRIAL ECOLOGICAL EVALUATION EXCLUSION FORM

Under the Model Toxics Control Act (MTCA), a Terrestrial Ecological Evaluation (TEE) is not required if the Site meets the criteria in WAC 173-340-7491 for an exclusion. If you determine that your Site does not require a TEE, please complete this form and submit it to the Department of Ecology (Ecology) at the appropriate time, either with your VCP Application or with a subsequent request for a written opinion. Please note that exclusion from the TEE does not exclude the Site from an evaluation of aquatic or sediment ecological receptors.

If your Site does not meet the criteria for exclusion under WAC 173-340-7491, then you may have to conduct a simplified TEE in accordance with WAC 173-340-7492 or a site-specific TEE in accordance with WAC 173-340-7493. If you have questions about conducting a simplified or site-specific TEE, please contact the Ecology site manager assigned to your Site or the appropriate Ecology regional office.

Step 1: IDENTIFY HAZARDOUS WASTE SITE AND EVALUATOR

Please identify below the hazardous waste site for which you are documenting an exclusion from conducting a TEE and the name of the person who conducted the evaluation.

Facility/Site Name: Protective Coatings, Inc.	
Facility/Site Address: 1208 4th Avenue N and 1215 2nd Avenue N, Kent, WA	
Facility/Site No: 85155236	VCP Project No.: NW2843
Name of Evaluator: Christina McClelland	

Step 2: DOCUMENT BASIS FOR EXCLUSION

The bases for excluding a site from a terrestrial ecological evaluation are set forth in WAC 173-340-7491(1). Please identify below the basis for excluding your Site from further evaluation. Please check all that apply.

POINT OF COMPLIANCE – WAC 173-340-7491(1)(A)

1-☐ No contamination present at site.

2-☐ All contamination is 15 feet below ground level prior to remedial activities.

3-☐ All contamination is six feet below ground level and an institutional control has been implemented as required by WAC 173-340-440.

4-☐ All contamination is below a site-specific point of compliance established in compliance with WAC 173-340-7490(4)(b) with an institutional control implemented as required by WAC 173-340-440. ***Please provide documentation that describes the rationale for setting a site-specific point of compliance.***

BARRIERS TO EXPOSURE – WAC 173-340-7491(1)(b)

5-☐ All contaminated soil, is or will be, covered by physical barriers (such as buildings or paved roads) that prevent exposure to plants and wildlife and an institutional control has been implemented as required by WAC 173-340-440. *An exclusion based on future land use must have a completion date for future development that is acceptable to Ecology.*

Step 2: DOCUMENT BASIS FOR EXCLUSION continued

UNDEVELOPED LAND – WAC 173-340-7491(1)(c)

"Undeveloped land" is land that is not covered by building, roads, paved areas, or other barriers that would prevent wildlife from feeding on plants, earthworms, insects, or other food in or on the soil.

"Contiguous" undeveloped land is an area of undeveloped land that is not divided into smaller areas of highways, extensive paving, or similar structures that are likely to reduce the potential use of the overall area by wildlife.

6-☐ There is less than one-quarter acre of contiguous undeveloped land on or within 500 feet of any area of the Site and any of the following chemicals is present: chlorinated dioxins or furans, PCB mixtures, DDT, DDE, DDD, aldrin, chlordane, dieldrin, endosulfan, endrin, heptachlor, heptachlor epoxide, benzene hexachloride, toxaphene, hexachlorobenzene, pentachlorophenol, or pentachlorobenzene.

7-☒ For sites not containing any of the chemicals mentioned above, there is less than one-and-a-half acres of contiguous undeveloped land on or within 500 feet of any area of the Site.

BACKGROUND CONCENTRATIONS – WAC 173-340-7491(1)(d)

8-☐ Concentrations of hazardous substances in soil do not exceed natural background levels as described in WAC 173-340-200 and 173-340-709.

Step 3: PROVIDE EXPLANATION FOR EXCLUSION (IF NECESSARY)

_____

_____

_____

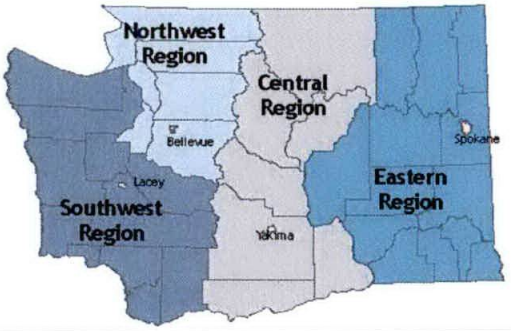
_____

_____

Attach additional pages if necessary.

Step 4: SUBMITTAL

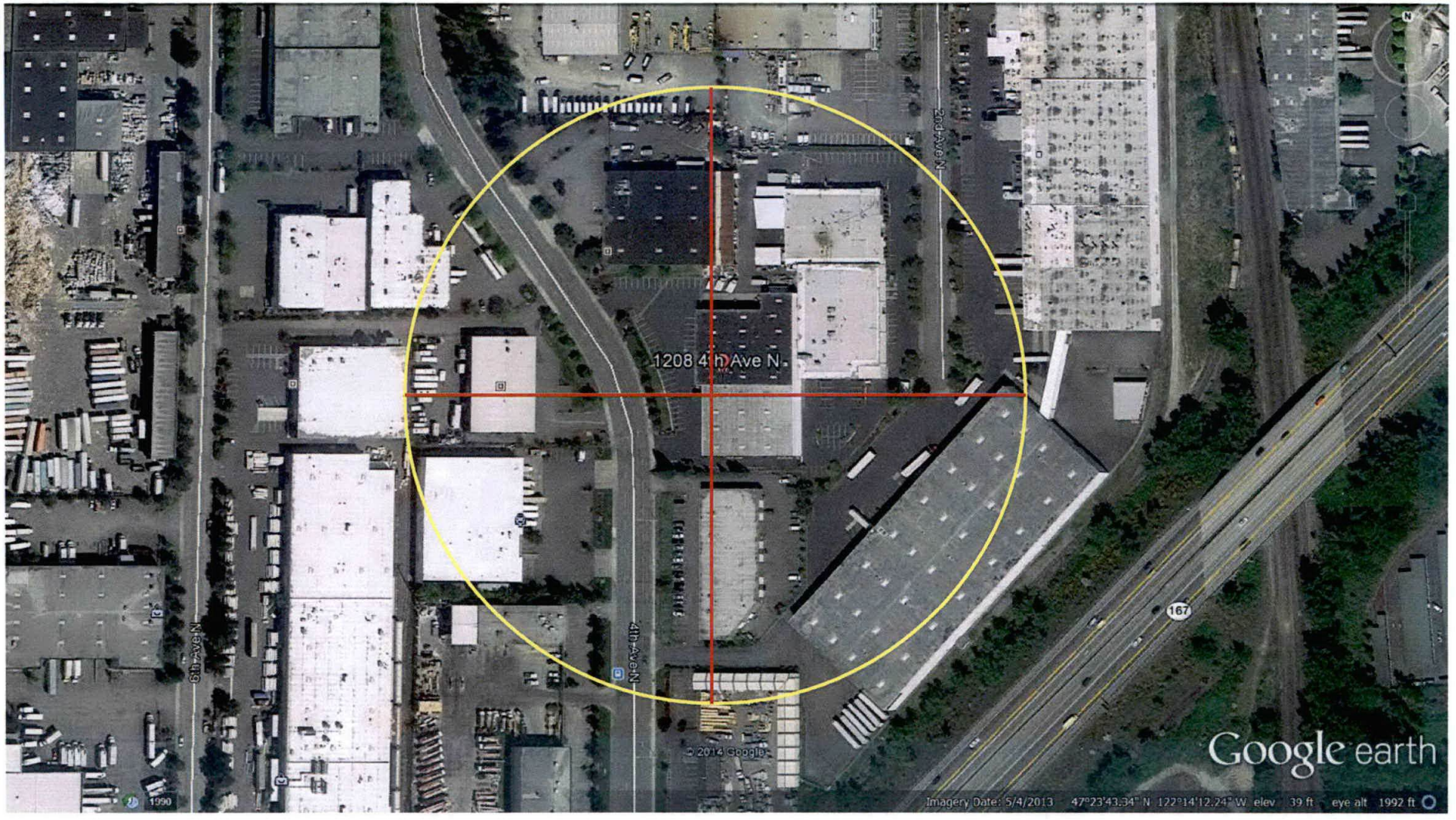
Please mail your completed form to Ecology at the appropriate time, either with your VCP Application or with a subsequent request for a written opinion. If you complete the form after you enter the VCP, please mail your completed form to the Ecology site manager assigned to your Site. If a site manager has not yet been assigned, please mail your completed form to the Ecology regional office for the County in which your Site is located.



Northwest Region: Attn: Sara Maser 3190 160th Ave. SE Bellevue, WA 98008-5452	**Central Region:** Attn: Mark Dunbar 15 W. Yakima Ave., Suite 200 Yakima, WA 98902
Southwest Region: Attn: Scott Rose P.O. Box 47775 Olympia, WA 98504-7775	**Eastern Region:** Patti Carter N. 4601 Monroe Spokane WA 99205-1295

If you need this publication in an alternate format, please call the Toxics Cleanup Program at 360-407-7170. Persons with hearing loss can call 711 for Washington Relay Service. Persons with a speech disability can call 877-833-6341.

Protective Coatings Facility, 1214 2nd Avenue North and 1208 4th Avenue North, Kent, Washington – 500-foot radius



062175 (2)

Appendix D
Laboratory Analytical Reports

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

May 29, 2015

Christina McClelland
CRA
20818 44th Ave W
Suite 190
Lynnwood, WA 98036

RE: Project: 062175-05-01_PCC_Site Investig
Pace Project No.: 10306433

Dear Christina McClelland:
Enclosed are the analytical results for sample(s) received by the laboratory on May 14, 2015. The results relate only to the samples included in this report. Results reported herein conform to the most current TNI 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,

Jennifer Gross
jennifer.gross@pacelabs.com
Project Manager

Enclosures

cc: Jeffrey Cloud, Conestoga-Rovers Association
Jesse Orth, CRA
Jing Song, CRA

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

CERTIFICATIONS

Project: 062175-05-01_PCC_Site Investig
Pace Project No.: 10306433

Minnesota Certification IDs

1700 Elm Street SE Suite 200, Minneapolis, MN 55414
A2LA Certification #: 2926.01
Alaska Certification #: UST-078
Alaska Certification #MN00064
Alabama Certification #40770
Arizona Certification #: AZ-0014
Arkansas Certification #: 88-0680
California Certification #: 01155CA
Colorado Certification #Pace
Connecticut Certification #: PH-0256
EPA Region 8 Certification #: 8TMS-L
Florida/NELAP Certification #: E87605
Guam Certification #:14-008r
Georgia Certification #: 959
Georgia EPD #: Pace
Idaho Certification #: MN00064
Hawaii Certification #MN00064
Illinois Certification #: 200011
Indiana Certification#C-MN-01
Iowa Certification #: 368
Kansas Certification #: E-10167
Kentucky Dept of Envi. Protection - DW #90062
Kentucky Dept of Envi. Protection - WW #:90062
Louisiana DEQ Certification #: 3086
Louisiana DHH #: LA140001
Maine Certification #: 2013011
Maryland Certification #: 322
Michigan DEPH Certification #: 9909
Minnesota Certification #: 027-053-137
Mississippi Certification #: Pace
Montana Certification #: MT0092
Nevada Certification #: MN_00064
Nebraska Certification #: Pace
New Jersey Certification #: MN-002
New York Certification #: 11647
North Carolina Certification #: 530
North Carolina State Public Health #: 27700
North Dakota Certification #: R-036
Ohio EPA #: 4150
Ohio VAP Certification #: CL101
Oklahoma Certification #: 9507
Oregon Certification #: MN200001
Oregon Certification #: MN300001
Pennsylvania Certification #: 68-00563
Puerto Rico Certification
Saipan (CNMI) #:MP0003
South Carolina #:74003001
Texas Certification #: T104704192
Tennessee Certification #: 02818
Utah Certification #: MN000642013-4
Virginia DGS Certification #: 251
Virginia/VELAP Certification #: Pace
Washington Certification #: C486
West Virginia Certification #: 382
West Virginia DHHR #:9952C
Wisconsin Certification #: 999407970

Pace Analytical Services, Inc.
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Minneapolis, MN 55414
(612)607-1700

SAMPLE SUMMARY

Project: 062175-05-01_PCC_Site Investig
Pace Project No.: 10306433

Lab ID	Sample ID	Matrix	Date Collected	Date Received
10306433001	SO-062175-051215-JS-SB-3-3	Solid	05/12/15 10:30	05/14/15 15:30
10306433002	SO-062175-051215-JS-SB-4-3	Solid	05/12/15 11:40	05/14/15 15:30
10306433003	SO-062175-051215-JS-SB-5-3	Solid	05/12/15 12:10	05/14/15 15:30
10306433004	SO-062175-051215-JS-SB-6-0.5	Solid	05/12/15 12:30	05/14/15 15:30
10306433005	SO-062175-051215-JS-SB-7-2	Solid	05/12/15 13:30	05/14/15 15:30
10306433006	SO-062175-051315-JS-SB-5-5	Solid	05/13/15 09:25	05/14/15 15:30
10306433007	SO-062175-051315-JS-SB-5-10	Solid	05/13/15 09:30	05/14/15 15:30
10306433008	SO-062175-051315-JS-SB-5-15	Solid	05/13/15 09:45	05/14/15 15:30
10306433009	SO-062175-051315-JS-SB-6-5	Solid	05/13/15 10:50	05/14/15 15:30
10306433010	SO-062175-051315-JS-SB-6-10	Solid	05/13/15 11:00	05/14/15 15:30
10306433011	SO-062175-051315-JS-SB-6-13	Solid	05/13/15 11:10	05/14/15 15:30
10306433012	Trip Blank	Solid	05/12/15 00:00	05/14/15 15:30

Pace Analytical Services, Inc.
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(612)607-1700

SAMPLE ANALYTE COUNT

Project: 062175-05-01_PCC_Site Investig
Pace Project No.: 10306433

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
10306433001	SO-062175-051215-JS-SB-3-3	EPA 6020A	RJS	7	PASI-M
		EPA 7471B	LMW	1	PASI-M
		ASTM D2974	JDL	1	PASI-M
		EPA 8260B	SH2	72	PASI-M
10306433002	SO-062175-051215-JS-SB-4-3	EPA 6020A	RJS	7	PASI-M
		EPA 7471B	LMW	1	PASI-M
		ASTM D2974	JDL	1	PASI-M
		EPA 8260B	SH2	72	PASI-M
10306433003	SO-062175-051215-JS-SB-5-3	EPA 6020A	RJS	7	PASI-M
		EPA 7471B	LMW	1	PASI-M
		ASTM D2974	JDL	1	PASI-M
		EPA 8260B	SH2	72	PASI-M
10306433004	SO-062175-051215-JS-SB-6-0.5	EPA 6020A	RJS	7	PASI-M
		EPA 7471B	LMW	1	PASI-M
		ASTM D2974	JDL	1	PASI-M
		EPA 8260B	SH2	72	PASI-M
10306433005	SO-062175-051215-JS-SB-7-2	EPA 6020A	RJS	7	PASI-M
		EPA 7471B	LMW	1	PASI-M
		ASTM D2974	JDL	1	PASI-M
		EPA 8260B	SH2	72	PASI-M
10306433006	SO-062175-051315-JS-SB-5-5	EPA 6020A	RJS	7	PASI-M
		EPA 7471B	LMW	1	PASI-M
		ASTM D2974	JDL	1	PASI-M
		EPA 8260B	SH2	72	PASI-M
10306433007	SO-062175-051315-JS-SB-5-10	EPA 6020A	RJS	7	PASI-M
		EPA 7471B	LMW	1	PASI-M
		ASTM D2974	JDL	1	PASI-M
		EPA 8260B	SH2	72	PASI-M
10306433008	SO-062175-051315-JS-SB-5-15	EPA 6020A	RJS	7	PASI-M
		EPA 7471B	LMW	1	PASI-M
		ASTM D2974	JDL	1	PASI-M
		EPA 8260B	SH2	72	PASI-M
10306433009	SO-062175-051315-JS-SB-6-5	EPA 6020A	RJS	7	PASI-M
		EPA 7471B	LMW	1	PASI-M
		ASTM D2974	JDL	1	PASI-M
		EPA 8260B	SH2	72	PASI-M
10306433010	SO-062175-051315-JS-SB-6-10	EPA 6020A	RJS	7	PASI-M

REPORT OF LABORATORY ANALYSIS

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

SAMPLE ANALYTE COUNT

Project: 062175-05-01_PCC_Site Investig
Pace Project No.: 10306433

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
		EPA 7471B	LMW	1	PASI-M
		ASTM D2974	JDL	1	PASI-M
		EPA 8260B	SH2	72	PASI-M
10306433011	**SO-062175-051315-JS-SB-6-13**	EPA 6020A	RJS	7	PASI-M
		EPA 7471B	LMW	1	PASI-M
		ASTM D2974	JDL	1	PASI-M
		EPA 8260B	SH2	72	PASI-M
10306433012	**Trip Blank**	EPA 8260B	SH2	72	PASI-M

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

PROJECT NARRATIVE

Project: 062175-05-01_PCC_Site Investig
Pace Project No.: 10306433

Method: **EPA 6020A**
Description: 6020A MET ICPMS
Client: CRA_PCC Aerostructures
Date: May 29, 2015

General Information:
11 samples were analyzed for EPA 6020A. All samples were received in acceptable condition with any exceptions noted below.

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 3050 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.

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: MPRP/54436

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 10306433001

M6: Matrix spike and Matrix spike duplicate recovery not evaluated against control limits due to sample dilution.

- MS (Lab ID: 1966690)
  - Barium
- MSD (Lab ID: 1966691)
  - Barium

Additional Comments:

Pace Analytical Services, Inc.
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PROJECT NARRATIVE

Project: 062175-05-01_PCC_Site Investig
Pace Project No.: 10306433

Method: **EPA 7471B**
Description: 7471B Mercury
Client: CRA_PCC Aerostructures
Date: May 29, 2015

General Information:
11 samples were analyzed for EPA 7471B. All samples were received in acceptable condition with any exceptions noted below.

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

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

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

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

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

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

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

Additional Comments:

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(612)607-1700

PROJECT NARRATIVE

Project: 062175-05-01_PCC_Site Investig
Pace Project No.: 10306433

Method: **EPA 8260B**
Description: 8260B MSV 5035 Low Level
Client: CRA_PCC Aerostructures
Date: May 29, 2015

General Information:
12 samples were analyzed for EPA 8260B. All samples were received in acceptable condition with any exceptions noted below.

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 5035 Low 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: MSV/31445

A matrix spike/matrix spike duplicate was not performed due to insufficient sample volume.

QC Batch: MSV/31445

A matrix spike/matrix spike duplicate was not performed due to insufficient sample volume.

QC Batch: MSV/31445

A matrix spike/matrix spike duplicate was not performed due to insufficient sample volume.

Additional Comments:

Pace Analytical Services, Inc.
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Minneapolis, MN 55414
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PROJECT NARRATIVE

Project: 062175-05-01_PCC_Site Investig
Pace Project No.: 10306433

Method: **EPA 8260B**
Description: 8260B MSV 5035 Low Level
Client: CRA_PCC Aerostructures
Date: May 29, 2015

Analyte Comments:

QC Batch: MSV/31445

C8: Result may be biased high due to carryover from previously analyzed sample.
- SO-062175-051315-JS-SB-5-10 (Lab ID: 10306433007)
  - Acetone
- SO-062175-051315-JS-SB-5-15 (Lab ID: 10306433008)
  - Acetone

E: Analyte concentration exceeded the calibration range. The reported result is estimated.
- SO-062175-051215-JS-SB-4-3 (Lab ID: 10306433002)
  - Trichloroethene

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

Pace Analytical Services, Inc.
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ANALYTICAL RESULTS

Project: 062175-05-01_PCC_Site Investig
Pace Project No.: 10306433

Sample: SO-062175-051215-JS-SB-3-3 **Lab ID: 10306433001** Collected: 05/12/15 10:30 Received: 05/14/15 15:30 Matrix: Solid

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

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6020A MET ICPMS	Analytical Method: EPA 6020A Preparation Method: EPA 3050							
Arsenic	**2.5**	mg/kg	0.51	20	05/22/15 11:47	05/28/15 03:56	7440-38-2	
Barium	**131**	mg/kg	0.31	20	05/22/15 11:47	05/28/15 03:56	7440-39-3	
Cadmium	ND	mg/kg	0.081	20	05/22/15 11:47	05/28/15 03:56	7440-43-9	
Chromium	**24.7**	mg/kg	0.51	20	05/22/15 11:47	05/28/15 03:56	7440-47-3	
Lead	**3.0**	mg/kg	0.10	20	05/22/15 11:47	05/28/15 03:56	7439-92-1	
Selenium	ND	mg/kg	0.51	20	05/22/15 11:47	05/28/15 03:56	7782-49-2	
Silver	ND	mg/kg	0.51	20	05/22/15 11:47	05/28/15 03:56	7440-22-4	
7471B Mercury	Analytical Method: EPA 7471B Preparation Method: EPA 7471B							
Mercury	ND	mg/kg	0.021	1	05/22/15 14:02	05/24/15 17:09	7439-97-6	
Dry Weight	Analytical Method: ASTM D2974							
Percent Moisture	**10.7**	%	0.10	1		05/19/15 15:51		
8260B MSV 5035 Low Level	Analytical Method: EPA 8260B Preparation Method: EPA 5035 Low							
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.0036	1	05/21/15 12:00	05/21/15 18:51	630-20-6	
1,1,1-Trichloroethane	ND	mg/kg	0.0036	1	05/21/15 12:00	05/21/15 18:51	71-55-6	
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.0036	1	05/21/15 12:00	05/21/15 18:51	79-34-5	
1,1,2-Trichloroethane	ND	mg/kg	0.0036	1	05/21/15 12:00	05/21/15 18:51	79-00-5	
1,1,2-Trichlorotrifluoroethane	ND	mg/kg	0.0036	1	05/21/15 12:00	05/21/15 18:51	76-13-1	
1,1-Dichloroethane	ND	mg/kg	0.0036	1	05/21/15 12:00	05/21/15 18:51	75-34-3	
1,1-Dichloroethene	ND	mg/kg	0.0036	1	05/21/15 12:00	05/21/15 18:51	75-35-4	
1,1-Dichloropropene	ND	mg/kg	0.0036	1	05/21/15 12:00	05/21/15 18:51	563-58-6	
1,2,3-Trichlorobenzene	ND	mg/kg	0.0036	1	05/21/15 12:00	05/21/15 18:51	87-61-6	
1,2,3-Trichloropropane	ND	mg/kg	0.0036	1	05/21/15 12:00	05/21/15 18:51	96-18-4	
1,2,4-Trichlorobenzene	ND	mg/kg	0.0036	1	05/21/15 12:00	05/21/15 18:51	120-82-1	
1,2,4-Trimethylbenzene	ND	mg/kg	0.0036	1	05/21/15 12:00	05/21/15 18:51	95-63-6	
1,2-Dibromo-3-chloropropane	ND	mg/kg	0.0089	1	05/21/15 12:00	05/21/15 18:51	96-12-8	
1,2-Dibromoethane (EDB)	ND	mg/kg	0.0036	1	05/21/15 12:00	05/21/15 18:51	106-93-4	
1,2-Dichlorobenzene	ND	mg/kg	0.0036	1	05/21/15 12:00	05/21/15 18:51	95-50-1	
1,2-Dichloroethane	ND	mg/kg	0.0036	1	05/21/15 12:00	05/21/15 18:51	107-06-2	
1,2-Dichloroethene (Total)	ND	mg/kg	0.0072	1	05/21/15 12:00	05/21/15 18:51	540-59-0	
1,2-Dichloropropane	ND	mg/kg	0.0036	1	05/21/15 12:00	05/21/15 18:51	78-87-5	
1,3,5-Trimethylbenzene	ND	mg/kg	0.0036	1	05/21/15 12:00	05/21/15 18:51	108-67-8	
1,3-Dichlorobenzene	ND	mg/kg	0.0036	1	05/21/15 12:00	05/21/15 18:51	541-73-1	
1,3-Dichloropropane	ND	mg/kg	0.0036	1	05/21/15 12:00	05/21/15 18:51	142-28-9	
1,4-Dichlorobenzene	ND	mg/kg	0.0036	1	05/21/15 12:00	05/21/15 18:51	106-46-7	
2,2-Dichloropropane	ND	mg/kg	0.0089	1	05/21/15 12:00	05/21/15 18:51	594-20-7	
2-Butanone (MEK)	ND	mg/kg	0.018	1	05/21/15 12:00	05/21/15 18:51	78-93-3	
2-Chlorotoluene	ND	mg/kg	0.0036	1	05/21/15 12:00	05/21/15 18:51	95-49-8	
2-Hexanone	ND	mg/kg	0.018	1	05/21/15 12:00	05/21/15 18:51	591-78-6	
4-Chlorotoluene	ND	mg/kg	0.0036	1	05/21/15 12:00	05/21/15 18:51	106-43-4	
4-Methyl-2-pentanone (MIBK)	ND	mg/kg	0.018	1	05/21/15 12:00	05/21/15 18:51	108-10-1	
Acetone	ND	mg/kg	0.018	1	05/21/15 12:00	05/21/15 18:51	67-64-1	
Benzene	ND	mg/kg	0.0036	1	05/21/15 12:00	05/21/15 18:51	71-43-2	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 062175-05-01_PCC_Site Investig
Pace Project No.: 10306433

Sample: SO-062175-051215-JS-SB-3-3 **Lab ID: 10306433001** Collected: 05/12/15 10:30 Received: 05/14/15 15:30 Matrix: Solid

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

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV 5035 Low Level	Analytical Method: EPA 8260B Preparation Method: EPA 5035 Low							
Bromobenzene	ND	mg/kg	0.0036	1	05/21/15 12:00	05/21/15 18:51	108-86-1	
Bromochloromethane	ND	mg/kg	0.0036	1	05/21/15 12:00	05/21/15 18:51	74-97-5	
Bromodichloromethane	ND	mg/kg	0.0036	1	05/21/15 12:00	05/21/15 18:51	75-27-4	
Bromoform	ND	mg/kg	0.018	1	05/21/15 12:00	05/21/15 18:51	75-25-2	
Bromomethane	ND	mg/kg	0.018	1	05/21/15 12:00	05/21/15 18:51	74-83-9	
Carbon disulfide	ND	mg/kg	0.0036	1	05/21/15 12:00	05/21/15 18:51	75-15-0	
Carbon tetrachloride	ND	mg/kg	0.0036	1	05/21/15 12:00	05/21/15 18:51	56-23-5	
Chlorobenzene	ND	mg/kg	0.0036	1	05/21/15 12:00	05/21/15 18:51	108-90-7	
Chloroethane	ND	mg/kg	0.0089	1	05/21/15 12:00	05/21/15 18:51	75-00-3	
Chloroform	ND	mg/kg	0.0036	1	05/21/15 12:00	05/21/15 18:51	67-66-3	
Chloromethane	ND	mg/kg	0.0089	1	05/21/15 12:00	05/21/15 18:51	74-87-3	
Dibromochloromethane	ND	mg/kg	0.0036	1	05/21/15 12:00	05/21/15 18:51	124-48-1	
Dibromomethane	ND	mg/kg	0.0036	1	05/21/15 12:00	05/21/15 18:51	74-95-3	
Dichlorodifluoromethane	ND	mg/kg	0.0089	1	05/21/15 12:00	05/21/15 18:51	75-71-8	
Dichlorofluoromethane	ND	mg/kg	0.0036	1	05/21/15 12:00	05/21/15 18:51	75-43-4	
Ethylbenzene	ND	mg/kg	0.0036	1	05/21/15 12:00	05/21/15 18:51	100-41-4	
Hexachloro-1,3-butadiene	ND	mg/kg	0.0089	1	05/21/15 12:00	05/21/15 18:51	87-68-3	
Isopropylbenzene (Cumene)	ND	mg/kg	0.0036	1	05/21/15 12:00	05/21/15 18:51	98-82-8	
Methyl-tert-butyl ether	ND	mg/kg	0.0036	1	05/21/15 12:00	05/21/15 18:51	1634-04-4	
Methylene Chloride	ND	mg/kg	0.018	1	05/21/15 12:00	05/21/15 18:51	75-09-2	
Naphthalene	ND	mg/kg	0.0089	1	05/21/15 12:00	05/21/15 18:51	91-20-3	
Styrene	ND	mg/kg	0.0036	1	05/21/15 12:00	05/21/15 18:51	100-42-5	
Tetrachloroethene	ND	mg/kg	0.0036	1	05/21/15 12:00	05/21/15 18:51	127-18-4	
Toluene	ND	mg/kg	0.0036	1	05/21/15 12:00	05/21/15 18:51	108-88-3	
Trichloroethene	ND	mg/kg	0.0036	1	05/21/15 12:00	05/21/15 18:51	79-01-6	
Trichlorofluoromethane	ND	mg/kg	0.0089	1	05/21/15 12:00	05/21/15 18:51	75-69-4	
Vinyl chloride	ND	mg/kg	0.0036	1	05/21/15 12:00	05/21/15 18:51	75-01-4	
Xylene (Total)	ND	mg/kg	0.011	1	05/21/15 12:00	05/21/15 18:51	1330-20-7	
cis-1,2-Dichloroethene	ND	mg/kg	0.0036	1	05/21/15 12:00	05/21/15 18:51	156-59-2	
cis-1,3-Dichloropropene	ND	mg/kg	0.0036	1	05/21/15 12:00	05/21/15 18:51	10061-01-5	
m&p-Xylene	ND	mg/kg	0.0072	1	05/21/15 12:00	05/21/15 18:51	179601-23-1	
n-Butylbenzene	ND	mg/kg	0.0036	1	05/21/15 12:00	05/21/15 18:51	104-51-8	
n-Propylbenzene	ND	mg/kg	0.0036	1	05/21/15 12:00	05/21/15 18:51	103-65-1	
o-Xylene	ND	mg/kg	0.0036	1	05/21/15 12:00	05/21/15 18:51	95-47-6	
p-Isopropyltoluene	ND	mg/kg	0.0036	1	05/21/15 12:00	05/21/15 18:51	99-87-6	
sec-Butylbenzene	ND	mg/kg	0.0036	1	05/21/15 12:00	05/21/15 18:51	135-98-8	
tert-Butylbenzene	ND	mg/kg	0.0036	1	05/21/15 12:00	05/21/15 18:51	98-06-6	
trans-1,2-Dichloroethene	ND	mg/kg	0.0036	1	05/21/15 12:00	05/21/15 18:51	156-60-5	
trans-1,3-Dichloropropene	ND	mg/kg	0.0036	1	05/21/15 12:00	05/21/15 18:51	10061-02-6	
Surrogates								
1,2-Dichloroethane-d4 (S)	114	%.	30-150	1	05/21/15 12:00	05/21/15 18:51	17060-07-0	
Toluene-d8 (S)	98	%.	30-150	1	05/21/15 12:00	05/21/15 18:51	2037-26-5	
4-Bromofluorobenzene (S)	101	%.	30-150	1	05/21/15 12:00	05/21/15 18:51	460-00-4	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
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ANALYTICAL RESULTS

Project: 062175-05-01_PCC_Site Investig
Pace Project No.: 10306433

Sample: SO-062175-051215-JS-SB-4-3 **Lab ID: 10306433002** Collected: 05/12/15 11:40 Received: 05/14/15 15:30 Matrix: Solid

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

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6020A MET ICPMS	Analytical Method: EPA 6020A Preparation Method: EPA 3050							
Arsenic	**3.0**	mg/kg	0.45	20	05/22/15 11:47	05/28/15 03:42	7440-38-2	
Barium	**71.9**	mg/kg	0.27	20	05/22/15 11:47	05/28/15 03:42	7440-39-3	
Cadmium	**0.10**	mg/kg	0.073	20	05/22/15 11:47	05/28/15 03:42	7440-43-9	
Chromium	**25.1**	mg/kg	0.45	20	05/22/15 11:47	05/28/15 03:42	7440-47-3	
Lead	**4.2**	mg/kg	0.091	20	05/22/15 11:47	05/28/15 03:42	7439-92-1	
Selenium	**0.52**	mg/kg	0.45	20	05/22/15 11:47	05/28/15 03:42	7782-49-2	
Silver	ND	mg/kg	0.45	20	05/22/15 11:47	05/28/15 03:42	7440-22-4	
7471B Mercury	Analytical Method: EPA 7471B Preparation Method: EPA 7471B							
Mercury	**0.023**	mg/kg	0.023	1	05/22/15 14:02	05/24/15 17:11	7439-97-6	
Dry Weight	Analytical Method: ASTM D2974							
Percent Moisture	**15.2**	%	0.10	1		05/19/15 15:52		
8260B MSV 5035 Low Level	Analytical Method: EPA 8260B Preparation Method: EPA 5035 Low							
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.0052	1	05/21/15 12:00	05/22/15 16:42	630-20-6	
1,1,1-Trichloroethane	**0.23**	mg/kg	0.0052	1	05/21/15 12:00	05/22/15 16:42	71-55-6	
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.0052	1	05/21/15 12:00	05/22/15 16:42	79-34-5	
1,1,2-Trichloroethane	ND	mg/kg	0.0052	1	05/21/15 12:00	05/22/15 16:42	79-00-5	
1,1,2-Trichlorotrifluoroethane	ND	mg/kg	0.0052	1	05/21/15 12:00	05/22/15 16:42	76-13-1	L3
1,1-Dichloroethane	**0.011**	mg/kg	0.0052	1	05/21/15 12:00	05/22/15 16:42	75-34-3	
1,1-Dichloroethene	**0.036**	mg/kg	0.0052	1	05/21/15 12:00	05/22/15 16:42	75-35-4	
1,1-Dichloropropene	ND	mg/kg	0.0052	1	05/21/15 12:00	05/22/15 16:42	563-58-6	
1,2,3-Trichlorobenzene	ND	mg/kg	0.0052	1	05/21/15 12:00	05/22/15 16:42	87-61-6	
1,2,3-Trichloropropane	ND	mg/kg	0.0052	1	05/21/15 12:00	05/22/15 16:42	96-18-4	
1,2,4-Trichlorobenzene	ND	mg/kg	0.0052	1	05/21/15 12:00	05/22/15 16:42	120-82-1	
1,2,4-Trimethylbenzene	ND	mg/kg	0.0052	1	05/21/15 12:00	05/22/15 16:42	95-63-6	
1,2-Dibromo-3-chloropropane	ND	mg/kg	0.013	1	05/21/15 12:00	05/22/15 16:42	96-12-8	
1,2-Dibromoethane (EDB)	ND	mg/kg	0.0052	1	05/21/15 12:00	05/22/15 16:42	106-93-4	
1,2-Dichlorobenzene	ND	mg/kg	0.0052	1	05/21/15 12:00	05/22/15 16:42	95-50-1	
1,2-Dichloroethane	ND	mg/kg	0.0052	1	05/21/15 12:00	05/22/15 16:42	107-06-2	
1,2-Dichloroethene (Total)	ND	mg/kg	0.010	1	05/21/15 12:00	05/22/15 16:42	540-59-0	
1,2-Dichloropropane	ND	mg/kg	0.0052	1	05/21/15 12:00	05/22/15 16:42	78-87-5	
1,3,5-Trimethylbenzene	ND	mg/kg	0.0052	1	05/21/15 12:00	05/22/15 16:42	108-67-8	
1,3-Dichlorobenzene	ND	mg/kg	0.0052	1	05/21/15 12:00	05/22/15 16:42	541-73-1	
1,3-Dichloropropane	ND	mg/kg	0.0052	1	05/21/15 12:00	05/22/15 16:42	142-28-9	
1,4-Dichlorobenzene	ND	mg/kg	0.0052	1	05/21/15 12:00	05/22/15 16:42	106-46-7	
2,2-Dichloropropane	ND	mg/kg	0.013	1	05/21/15 12:00	05/22/15 16:42	594-20-7	
2-Butanone (MEK)	ND	mg/kg	0.026	1	05/21/15 12:00	05/22/15 16:42	78-93-3	
2-Chlorotoluene	ND	mg/kg	0.0052	1	05/21/15 12:00	05/22/15 16:42	95-49-8	
2-Hexanone	ND	mg/kg	0.026	1	05/21/15 12:00	05/22/15 16:42	591-78-6	
4-Chlorotoluene	ND	mg/kg	0.0052	1	05/21/15 12:00	05/22/15 16:42	106-43-4	
4-Methyl-2-pentanone (MIBK)	ND	mg/kg	0.026	1	05/21/15 12:00	05/22/15 16:42	108-10-1	
Acetone	**0.064**	mg/kg	0.026	1	05/21/15 12:00	05/22/15 16:42	67-64-1	
Benzene	ND	mg/kg	0.0052	1	05/21/15 12:00	05/22/15 16:42	71-43-2	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
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ANALYTICAL RESULTS

Project: 062175-05-01_PCC_Site Investig
Pace Project No.: 10306433

Sample: SO-062175-051215-JS-SB-4-3 **Lab ID: 10306433002** Collected: 05/12/15 11:40 Received: 05/14/15 15:30 Matrix: Solid

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

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV 5035 Low Level	Analytical Method: EPA 8260B Preparation Method: EPA 5035 Low							
Bromobenzene	ND	mg/kg	0.0052	1	05/21/15 12:00	05/22/15 16:42	108-86-1	
Bromochloromethane	ND	mg/kg	0.0052	1	05/21/15 12:00	05/22/15 16:42	74-97-5	
Bromodichloromethane	ND	mg/kg	0.0052	1	05/21/15 12:00	05/22/15 16:42	75-27-4	
Bromoform	ND	mg/kg	0.026	1	05/21/15 12:00	05/22/15 16:42	75-25-2	
Bromomethane	ND	mg/kg	0.026	1	05/21/15 12:00	05/22/15 16:42	74-83-9	
Carbon disulfide	ND	mg/kg	0.0052	1	05/21/15 12:00	05/22/15 16:42	75-15-0	
Carbon tetrachloride	ND	mg/kg	0.0052	1	05/21/15 12:00	05/22/15 16:42	56-23-5	
Chlorobenzene	ND	mg/kg	0.0052	1	05/21/15 12:00	05/22/15 16:42	108-90-7	
Chloroethane	ND	mg/kg	0.013	1	05/21/15 12:00	05/22/15 16:42	75-00-3	
Chloroform	ND	mg/kg	0.0052	1	05/21/15 12:00	05/22/15 16:42	67-66-3	
Chloromethane	ND	mg/kg	0.013	1	05/21/15 12:00	05/22/15 16:42	74-87-3	
Dibromochloromethane	ND	mg/kg	0.0052	1	05/21/15 12:00	05/22/15 16:42	124-48-1	
Dibromomethane	ND	mg/kg	0.0052	1	05/21/15 12:00	05/22/15 16:42	74-95-3	
Dichlorodifluoromethane	ND	mg/kg	0.013	1	05/21/15 12:00	05/22/15 16:42	75-71-8	L3
Dichlorofluoromethane	ND	mg/kg	0.0052	1	05/21/15 12:00	05/22/15 16:42	75-43-4	
Ethylbenzene	ND	mg/kg	0.0052	1	05/21/15 12:00	05/22/15 16:42	100-41-4	
Hexachloro-1,3-butadiene	ND	mg/kg	0.013	1	05/21/15 12:00	05/22/15 16:42	87-68-3	
Isopropylbenzene (Cumene)	ND	mg/kg	0.0052	1	05/21/15 12:00	05/22/15 16:42	98-82-8	
Methyl-tert-butyl ether	ND	mg/kg	0.0052	1	05/21/15 12:00	05/22/15 16:42	1634-04-4	
Methylene Chloride	ND	mg/kg	0.026	1	05/21/15 12:00	05/22/15 16:42	75-09-2	
Naphthalene	ND	mg/kg	0.013	1	05/21/15 12:00	05/22/15 16:42	91-20-3	
Styrene	ND	mg/kg	0.0052	1	05/21/15 12:00	05/22/15 16:42	100-42-5	
Tetrachloroethene	ND	mg/kg	0.0052	1	05/21/15 12:00	05/22/15 16:42	127-18-4	
Toluene	ND	mg/kg	0.0052	1	05/21/15 12:00	05/22/15 16:42	108-88-3	
Trichloroethene	**1.2**	mg/kg	0.0052	1	05/21/15 12:00	05/22/15 16:42	79-01-6	E
Trichlorofluoromethane	ND	mg/kg	0.013	1	05/21/15 12:00	05/22/15 16:42	75-69-4	
Vinyl chloride	ND	mg/kg	0.0052	1	05/21/15 12:00	05/22/15 16:42	75-01-4	
Xylene (Total)	ND	mg/kg	0.015	1	05/21/15 12:00	05/22/15 16:42	1330-20-7	
cis-1,2-Dichloroethene	**0.0070**	mg/kg	0.0052	1	05/21/15 12:00	05/22/15 16:42	156-59-2	
cis-1,3-Dichloropropene	ND	mg/kg	0.0052	1	05/21/15 12:00	05/22/15 16:42	10061-01-5	
m&p-Xylene	ND	mg/kg	0.010	1	05/21/15 12:00	05/22/15 16:42	179601-23-1	
n-Butylbenzene	ND	mg/kg	0.0052	1	05/21/15 12:00	05/22/15 16:42	104-51-8	
n-Propylbenzene	ND	mg/kg	0.0052	1	05/21/15 12:00	05/22/15 16:42	103-65-1	
o-Xylene	ND	mg/kg	0.0052	1	05/21/15 12:00	05/22/15 16:42	95-47-6	
p-Isopropyltoluene	ND	mg/kg	0.0052	1	05/21/15 12:00	05/22/15 16:42	99-87-6	
sec-Butylbenzene	ND	mg/kg	0.0052	1	05/21/15 12:00	05/22/15 16:42	135-98-8	
tert-Butylbenzene	ND	mg/kg	0.0052	1	05/21/15 12:00	05/22/15 16:42	98-06-6	
trans-1,2-Dichloroethene	ND	mg/kg	0.0052	1	05/21/15 12:00	05/22/15 16:42	156-60-5	
trans-1,3-Dichloropropene	ND	mg/kg	0.0052	1	05/21/15 12:00	05/22/15 16:42	10061-02-6	
Surrogates								
1,2-Dichloroethane-d4 (S)	112	%.	30-150	1	05/21/15 12:00	05/22/15 16:42	17060-07-0	
Toluene-d8 (S)	99	%.	30-150	1	05/21/15 12:00	05/22/15 16:42	2037-26-5	
4-Bromofluorobenzene (S)	103	%.	30-150	1	05/21/15 12:00	05/22/15 16:42	460-00-4	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 062175-05-01_PCC_Site Investig
Pace Project No.: 10306433

Sample: SO-062175-051215-JS-SB-5-3 **Lab ID: 10306433003** Collected: 05/12/15 12:10 Received: 05/14/15 15:30 Matrix: Solid

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

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6020A MET ICPMS	Analytical Method: EPA 6020A Preparation Method: EPA 3050							
Arsenic	**2.8**	mg/kg	0.49	20	05/22/15 11:47	05/28/15 03:47	7440-38-2	
Barium	**63.2**	mg/kg	0.30	20	05/22/15 11:47	05/28/15 03:47	7440-39-3	
Cadmium	**0.79**	mg/kg	0.079	20	05/22/15 11:47	05/28/15 03:47	7440-43-9	
Chromium	**24.5**	mg/kg	0.49	20	05/22/15 11:47	05/28/15 03:47	7440-47-3	
Lead	**4.9**	mg/kg	0.099	20	05/22/15 11:47	05/28/15 03:47	7439-92-1	
Selenium	ND	mg/kg	0.49	20	05/22/15 11:47	05/28/15 03:47	7782-49-2	
Silver	ND	mg/kg	0.49	20	05/22/15 11:47	05/28/15 03:47	7440-22-4	
7471B Mercury	Analytical Method: EPA 7471B Preparation Method: EPA 7471B							
Mercury	**0.027**	mg/kg	0.021	1	05/22/15 14:02	05/24/15 17:18	7439-97-6	
Dry Weight	Analytical Method: ASTM D2974							
Percent Moisture	**12.7**	%	0.10	1		05/19/15 15:52		
8260B MSV 5035 Low Level	Analytical Method: EPA 8260B Preparation Method: EPA 5035 Low							
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.0041	1	05/21/15 12:00	05/21/15 19:10	630-20-6	
1,1,1-Trichloroethane	**0.014**	mg/kg	0.0041	1	05/21/15 12:00	05/21/15 19:10	71-55-6	
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.0041	1	05/21/15 12:00	05/21/15 19:10	79-34-5	
1,1,2-Trichloroethane	ND	mg/kg	0.0041	1	05/21/15 12:00	05/21/15 19:10	79-00-5	
1,1,2-Trichlorotrifluoroethane	ND	mg/kg	0.0041	1	05/21/15 12:00	05/21/15 19:10	76-13-1	
1,1-Dichloroethane	ND	mg/kg	0.0041	1	05/21/15 12:00	05/21/15 19:10	75-34-3	
1,1-Dichloroethene	**0.0047**	mg/kg	0.0041	1	05/21/15 12:00	05/21/15 19:10	75-35-4	
1,1-Dichloropropene	ND	mg/kg	0.0041	1	05/21/15 12:00	05/21/15 19:10	563-58-6	
1,2,3-Trichlorobenzene	ND	mg/kg	0.0041	1	05/21/15 12:00	05/21/15 19:10	87-61-6	
1,2,3-Trichloropropane	ND	mg/kg	0.0041	1	05/21/15 12:00	05/21/15 19:10	96-18-4	
1,2,4-Trichlorobenzene	ND	mg/kg	0.0041	1	05/21/15 12:00	05/21/15 19:10	120-82-1	
1,2,4-Trimethylbenzene	ND	mg/kg	0.0041	1	05/21/15 12:00	05/21/15 19:10	95-63-6	
1,2-Dibromo-3-chloropropane	ND	mg/kg	0.010	1	05/21/15 12:00	05/21/15 19:10	96-12-8	
1,2-Dibromoethane (EDB)	ND	mg/kg	0.0041	1	05/21/15 12:00	05/21/15 19:10	106-93-4	
1,2-Dichlorobenzene	ND	mg/kg	0.0041	1	05/21/15 12:00	05/21/15 19:10	95-50-1	
1,2-Dichloroethane	ND	mg/kg	0.0041	1	05/21/15 12:00	05/21/15 19:10	107-06-2	
1,2-Dichloroethene (Total)	ND	mg/kg	0.0083	1	05/21/15 12:00	05/21/15 19:10	540-59-0	
1,2-Dichloropropane	ND	mg/kg	0.0041	1	05/21/15 12:00	05/21/15 19:10	78-87-5	
1,3,5-Trimethylbenzene	ND	mg/kg	0.0041	1	05/21/15 12:00	05/21/15 19:10	108-67-8	
1,3-Dichlorobenzene	ND	mg/kg	0.0041	1	05/21/15 12:00	05/21/15 19:10	541-73-1	
1,3-Dichloropropane	ND	mg/kg	0.0041	1	05/21/15 12:00	05/21/15 19:10	142-28-9	
1,4-Dichlorobenzene	ND	mg/kg	0.0041	1	05/21/15 12:00	05/21/15 19:10	106-46-7	
2,2-Dichloropropane	ND	mg/kg	0.010	1	05/21/15 12:00	05/21/15 19:10	594-20-7	
2-Butanone (MEK)	ND	mg/kg	0.021	1	05/21/15 12:00	05/21/15 19:10	78-93-3	
2-Chlorotoluene	ND	mg/kg	0.0041	1	05/21/15 12:00	05/21/15 19:10	95-49-8	
2-Hexanone	ND	mg/kg	0.021	1	05/21/15 12:00	05/21/15 19:10	591-78-6	
4-Chlorotoluene	ND	mg/kg	0.0041	1	05/21/15 12:00	05/21/15 19:10	106-43-4	
4-Methyl-2-pentanone (MIBK)	ND	mg/kg	0.021	1	05/21/15 12:00	05/21/15 19:10	108-10-1	
Acetone	**0.83**	mg/kg	0.021	1	05/21/15 12:00	05/21/15 19:10	67-64-1	
Benzene	ND	mg/kg	0.0041	1	05/21/15 12:00	05/21/15 19:10	71-43-2	

REPORT OF LABORATORY ANALYSIS

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1700 Elm Street - Suite 200
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(612)607-1700

ANALYTICAL RESULTS

Project: 062175-05-01_PCC_Site Investig
Pace Project No.: 10306433

Sample: SO-062175-051215-JS-SB-5-3 **Lab ID: 10306433003** Collected: 05/12/15 12:10 Received: 05/14/15 15:30 Matrix: Solid

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

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV 5035 Low Level	Analytical Method: EPA 8260B Preparation Method: EPA 5035 Low							
Bromobenzene	ND	mg/kg	0.0041	1	05/21/15 12:00	05/21/15 19:10	108-86-1	
Bromochloromethane	ND	mg/kg	0.0041	1	05/21/15 12:00	05/21/15 19:10	74-97-5	
Bromodichloromethane	ND	mg/kg	0.0041	1	05/21/15 12:00	05/21/15 19:10	75-27-4	
Bromoform	ND	mg/kg	0.021	1	05/21/15 12:00	05/21/15 19:10	75-25-2	
Bromomethane	ND	mg/kg	0.021	1	05/21/15 12:00	05/21/15 19:10	74-83-9	
Carbon disulfide	ND	mg/kg	0.0041	1	05/21/15 12:00	05/21/15 19:10	75-15-0	
Carbon tetrachloride	ND	mg/kg	0.0041	1	05/21/15 12:00	05/21/15 19:10	56-23-5	
Chlorobenzene	ND	mg/kg	0.0041	1	05/21/15 12:00	05/21/15 19:10	108-90-7	
Chloroethane	ND	mg/kg	0.010	1	05/21/15 12:00	05/21/15 19:10	75-00-3	
Chloroform	ND	mg/kg	0.0041	1	05/21/15 12:00	05/21/15 19:10	67-66-3	
Chloromethane	ND	mg/kg	0.010	1	05/21/15 12:00	05/21/15 19:10	74-87-3	
Dibromochloromethane	ND	mg/kg	0.0041	1	05/21/15 12:00	05/21/15 19:10	124-48-1	
Dibromomethane	ND	mg/kg	0.0041	1	05/21/15 12:00	05/21/15 19:10	74-95-3	
Dichlorodifluoromethane	ND	mg/kg	0.010	1	05/21/15 12:00	05/21/15 19:10	75-71-8	
Dichlorofluoromethane	ND	mg/kg	0.0041	1	05/21/15 12:00	05/21/15 19:10	75-43-4	
Ethylbenzene	ND	mg/kg	0.0041	1	05/21/15 12:00	05/21/15 19:10	100-41-4	
Hexachloro-1,3-butadiene	ND	mg/kg	0.010	1	05/21/15 12:00	05/21/15 19:10	87-68-3	
Isopropylbenzene (Cumene)	ND	mg/kg	0.0041	1	05/21/15 12:00	05/21/15 19:10	98-82-8	
Methyl-tert-butyl ether	ND	mg/kg	0.0041	1	05/21/15 12:00	05/21/15 19:10	1634-04-4	
Methylene Chloride	ND	mg/kg	0.021	1	05/21/15 12:00	05/21/15 19:10	75-09-2	
Naphthalene	ND	mg/kg	0.010	1	05/21/15 12:00	05/21/15 19:10	91-20-3	
Styrene	ND	mg/kg	0.0041	1	05/21/15 12:00	05/21/15 19:10	100-42-5	
Tetrachloroethene	ND	mg/kg	0.0041	1	05/21/15 12:00	05/21/15 19:10	127-18-4	
Toluene	ND	mg/kg	0.0041	1	05/21/15 12:00	05/21/15 19:10	108-88-3	
Trichloroethene	**0.035**	mg/kg	0.0041	1	05/21/15 12:00	05/21/15 19:10	79-01-6	
Trichlorofluoromethane	ND	mg/kg	0.010	1	05/21/15 12:00	05/21/15 19:10	75-69-4	
Vinyl chloride	ND	mg/kg	0.0041	1	05/21/15 12:00	05/21/15 19:10	75-01-4	
Xylene (Total)	ND	mg/kg	0.012	1	05/21/15 12:00	05/21/15 19:10	1330-20-7	
cis-1,2-Dichloroethene	ND	mg/kg	0.0041	1	05/21/15 12:00	05/21/15 19:10	156-59-2	
cis-1,3-Dichloropropene	ND	mg/kg	0.0041	1	05/21/15 12:00	05/21/15 19:10	10061-01-5	
m&p-Xylene	ND	mg/kg	0.0083	1	05/21/15 12:00	05/21/15 19:10	179601-23-1	
n-Butylbenzene	ND	mg/kg	0.0041	1	05/21/15 12:00	05/21/15 19:10	104-51-8	
n-Propylbenzene	ND	mg/kg	0.0041	1	05/21/15 12:00	05/21/15 19:10	103-65-1	
o-Xylene	ND	mg/kg	0.0041	1	05/21/15 12:00	05/21/15 19:10	95-47-6	
p-Isopropyltoluene	ND	mg/kg	0.0041	1	05/21/15 12:00	05/21/15 19:10	99-87-6	
sec-Butylbenzene	ND	mg/kg	0.0041	1	05/21/15 12:00	05/21/15 19:10	135-98-8	
tert-Butylbenzene	ND	mg/kg	0.0041	1	05/21/15 12:00	05/21/15 19:10	98-06-6	
trans-1,2-Dichloroethene	ND	mg/kg	0.0041	1	05/21/15 12:00	05/21/15 19:10	156-60-5	
trans-1,3-Dichloropropene	ND	mg/kg	0.0041	1	05/21/15 12:00	05/21/15 19:10	10061-02-6	
Surrogates								
1,2-Dichloroethane-d4 (S)	115	%.	30-150	1	05/21/15 12:00	05/21/15 19:10	17060-07-0	
Toluene-d8 (S)	100	%.	30-150	1	05/21/15 12:00	05/21/15 19:10	2037-26-5	
4-Bromofluorobenzene (S)	102	%.	30-150	1	05/21/15 12:00	05/21/15 19:10	460-00-4	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
1700 Elm Street - Suite 200
Minneapolis, MN 55414
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ANALYTICAL RESULTS

Project: 062175-05-01_PCC_Site Investig
Pace Project No.: 10306433

Sample: SO-062175-051215-JS-SB-6-0.5 **Lab ID: 10306433004** Collected: 05/12/15 12:30 Received: 05/14/15 15:30 Matrix: Solid

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

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6020A MET ICPMS	Analytical Method: EPA 6020A Preparation Method: EPA 3050							
Arsenic	**3.4**	mg/kg	0.44	20	05/22/15 11:47	05/28/15 03:52	7440-38-2	
Barium	**62.4**	mg/kg	0.26	20	05/22/15 11:47	05/28/15 03:52	7440-39-3	
Cadmium	**3.0**	mg/kg	0.070	20	05/22/15 11:47	05/28/15 03:52	7440-43-9	
Chromium	**93.9**	mg/kg	0.44	20	05/22/15 11:47	05/28/15 03:52	7440-47-3	
Lead	**4.1**	mg/kg	0.088	20	05/22/15 11:47	05/28/15 03:52	7439-92-1	
Selenium	ND	mg/kg	0.44	20	05/22/15 11:47	05/28/15 03:52	7782-49-2	
Silver	ND	mg/kg	0.44	20	05/22/15 11:47	05/28/15 03:52	7440-22-4	
7471B Mercury	Analytical Method: EPA 7471B Preparation Method: EPA 7471B							
Mercury	**0.047**	mg/kg	0.021	1	05/22/15 14:02	05/24/15 17:20	7439-97-6	
Dry Weight	Analytical Method: ASTM D2974							
Percent Moisture	**13.2**	%	0.10	1		05/19/15 15:52		
8260B MSV 5035 Low Level	Analytical Method: EPA 8260B Preparation Method: EPA 5035 Low							
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.0044	1	05/21/15 12:00	05/26/15 15:08	630-20-6	
1,1,1-Trichloroethane	ND	mg/kg	0.0044	1	05/21/15 12:00	05/26/15 15:08	71-55-6	
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.0044	1	05/21/15 12:00	05/26/15 15:08	79-34-5	
1,1,2-Trichloroethane	ND	mg/kg	0.0044	1	05/21/15 12:00	05/26/15 15:08	79-00-5	
1,1,2-Trichlorotrifluoroethane	ND	mg/kg	0.0044	1	05/21/15 12:00	05/26/15 15:08	76-13-1	L3
1,1-Dichloroethane	ND	mg/kg	0.0044	1	05/21/15 12:00	05/26/15 15:08	75-34-3	
1,1-Dichloroethene	ND	mg/kg	0.0044	1	05/21/15 12:00	05/26/15 15:08	75-35-4	
1,1-Dichloropropene	ND	mg/kg	0.0044	1	05/21/15 12:00	05/26/15 15:08	563-58-6	
1,2,3-Trichlorobenzene	ND	mg/kg	0.0044	1	05/21/15 12:00	05/26/15 15:08	87-61-6	
1,2,3-Trichloropropane	ND	mg/kg	0.0044	1	05/21/15 12:00	05/26/15 15:08	96-18-4	
1,2,4-Trichlorobenzene	ND	mg/kg	0.0044	1	05/21/15 12:00	05/26/15 15:08	120-82-1	
1,2,4-Trimethylbenzene	ND	mg/kg	0.0044	1	05/21/15 12:00	05/26/15 15:08	95-63-6	
1,2-Dibromo-3-chloropropane	ND	mg/kg	0.011	1	05/21/15 12:00	05/26/15 15:08	96-12-8	
1,2-Dibromoethane (EDB)	ND	mg/kg	0.0044	1	05/21/15 12:00	05/26/15 15:08	106-93-4	
1,2-Dichlorobenzene	ND	mg/kg	0.0044	1	05/21/15 12:00	05/26/15 15:08	95-50-1	
1,2-Dichloroethane	ND	mg/kg	0.0044	1	05/21/15 12:00	05/26/15 15:08	107-06-2	
1,2-Dichloroethene (Total)	ND	mg/kg	0.0088	1	05/21/15 12:00	05/26/15 15:08	540-59-0	
1,2-Dichloropropane	ND	mg/kg	0.0044	1	05/21/15 12:00	05/26/15 15:08	78-87-5	
1,3,5-Trimethylbenzene	ND	mg/kg	0.0044	1	05/21/15 12:00	05/26/15 15:08	108-67-8	
1,3-Dichlorobenzene	ND	mg/kg	0.0044	1	05/21/15 12:00	05/26/15 15:08	541-73-1	
1,3-Dichloropropane	ND	mg/kg	0.0044	1	05/21/15 12:00	05/26/15 15:08	142-28-9	
1,4-Dichlorobenzene	ND	mg/kg	0.0044	1	05/21/15 12:00	05/26/15 15:08	106-46-7	
2,2-Dichloropropane	ND	mg/kg	0.011	1	05/21/15 12:00	05/26/15 15:08	594-20-7	
2-Butanone (MEK)	ND	mg/kg	0.022	1	05/21/15 12:00	05/26/15 15:08	78-93-3	
2-Chlorotoluene	ND	mg/kg	0.0044	1	05/21/15 12:00	05/26/15 15:08	95-49-8	
2-Hexanone	ND	mg/kg	0.022	1	05/21/15 12:00	05/26/15 15:08	591-78-6	
4-Chlorotoluene	ND	mg/kg	0.0044	1	05/21/15 12:00	05/26/15 15:08	106-43-4	
4-Methyl-2-pentanone (MIBK)	ND	mg/kg	0.022	1	05/21/15 12:00	05/26/15 15:08	108-10-1	
Acetone	**0.028**	mg/kg	0.022	1	05/21/15 12:00	05/26/15 15:08	67-64-1	
Benzene	ND	mg/kg	0.0044	1	05/21/15 12:00	05/26/15 15:08	71-43-2	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 062175-05-01_PCC_Site Investig
Pace Project No.: 10306433

Sample: SO-062175-051215-JS-SB-6-0.5 **Lab ID: 10306433004** Collected: 05/12/15 12:30 Received: 05/14/15 15:30 Matrix: Solid

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

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV 5035 Low Level	Analytical Method: EPA 8260B Preparation Method: EPA 5035 Low							
Bromobenzene	ND	mg/kg	0.0044	1	05/21/15 12:00	05/26/15 15:08	108-86-1	
Bromochloromethane	ND	mg/kg	0.0044	1	05/21/15 12:00	05/26/15 15:08	74-97-5	
Bromodichloromethane	ND	mg/kg	0.0044	1	05/21/15 12:00	05/26/15 15:08	75-27-4	
Bromoform	ND	mg/kg	0.022	1	05/21/15 12:00	05/26/15 15:08	75-25-2	
Bromomethane	ND	mg/kg	0.022	1	05/21/15 12:00	05/26/15 15:08	74-83-9	
Carbon disulfide	**0.0050**	mg/kg	0.0044	1	05/21/15 12:00	05/26/15 15:08	75-15-0	
Carbon tetrachloride	ND	mg/kg	0.0044	1	05/21/15 12:00	05/26/15 15:08	56-23-5	
Chlorobenzene	ND	mg/kg	0.0044	1	05/21/15 12:00	05/26/15 15:08	108-90-7	
Chloroethane	ND	mg/kg	0.011	1	05/21/15 12:00	05/26/15 15:08	75-00-3	
Chloroform	ND	mg/kg	0.0044	1	05/21/15 12:00	05/26/15 15:08	67-66-3	
Chloromethane	ND	mg/kg	0.011	1	05/21/15 12:00	05/26/15 15:08	74-87-3	
Dibromochloromethane	ND	mg/kg	0.0044	1	05/21/15 12:00	05/26/15 15:08	124-48-1	
Dibromomethane	ND	mg/kg	0.0044	1	05/21/15 12:00	05/26/15 15:08	74-95-3	
Dichlorodifluoromethane	ND	mg/kg	0.011	1	05/21/15 12:00	05/26/15 15:08	75-71-8	L3
Dichlorofluoromethane	ND	mg/kg	0.0044	1	05/21/15 12:00	05/26/15 15:08	75-43-4	
Ethylbenzene	ND	mg/kg	0.0044	1	05/21/15 12:00	05/26/15 15:08	100-41-4	
Hexachloro-1,3-butadiene	ND	mg/kg	0.011	1	05/21/15 12:00	05/26/15 15:08	87-68-3	
Isopropylbenzene (Cumene)	ND	mg/kg	0.0044	1	05/21/15 12:00	05/26/15 15:08	98-82-8	
Methyl-tert-butyl ether	ND	mg/kg	0.0044	1	05/21/15 12:00	05/26/15 15:08	1634-04-4	
Methylene Chloride	ND	mg/kg	0.022	1	05/21/15 12:00	05/26/15 15:08	75-09-2	
Naphthalene	ND	mg/kg	0.011	1	05/21/15 12:00	05/26/15 15:08	91-20-3	
Styrene	ND	mg/kg	0.0044	1	05/21/15 12:00	05/26/15 15:08	100-42-5	
Tetrachloroethene	ND	mg/kg	0.0044	1	05/21/15 12:00	05/26/15 15:08	127-18-4	
Toluene	ND	mg/kg	0.0044	1	05/21/15 12:00	05/26/15 15:08	108-88-3	
Trichloroethene	ND	mg/kg	0.0044	1	05/21/15 12:00	05/26/15 15:08	79-01-6	
Trichlorofluoromethane	ND	mg/kg	0.011	1	05/21/15 12:00	05/26/15 15:08	75-69-4	
Vinyl chloride	ND	mg/kg	0.0044	1	05/21/15 12:00	05/26/15 15:08	75-01-4	
Xylene (Total)	ND	mg/kg	0.013	1	05/21/15 12:00	05/26/15 15:08	1330-20-7	
cis-1,2-Dichloroethene	ND	mg/kg	0.0044	1	05/21/15 12:00	05/26/15 15:08	156-59-2	
cis-1,3-Dichloropropene	ND	mg/kg	0.0044	1	05/21/15 12:00	05/26/15 15:08	10061-01-5	
m&p-Xylene	ND	mg/kg	0.0088	1	05/21/15 12:00	05/26/15 15:08	179601-23-1	
n-Butylbenzene	ND	mg/kg	0.0044	1	05/21/15 12:00	05/26/15 15:08	104-51-8	
n-Propylbenzene	ND	mg/kg	0.0044	1	05/21/15 12:00	05/26/15 15:08	103-65-1	
o-Xylene	ND	mg/kg	0.0044	1	05/21/15 12:00	05/26/15 15:08	95-47-6	
p-Isopropyltoluene	ND	mg/kg	0.0044	1	05/21/15 12:00	05/26/15 15:08	99-87-6	
sec-Butylbenzene	ND	mg/kg	0.0044	1	05/21/15 12:00	05/26/15 15:08	135-98-8	
tert-Butylbenzene	ND	mg/kg	0.0044	1	05/21/15 12:00	05/26/15 15:08	98-06-6	
trans-1,2-Dichloroethene	ND	mg/kg	0.0044	1	05/21/15 12:00	05/26/15 15:08	156-60-5	
trans-1,3-Dichloropropene	ND	mg/kg	0.0044	1	05/21/15 12:00	05/26/15 15:08	10061-02-6	
Surrogates								
1,2-Dichloroethane-d4 (S)	103	%.	30-150	1	05/21/15 12:00	05/26/15 15:08	17060-07-0	
Toluene-d8 (S)	109	%.	30-150	1	05/21/15 12:00	05/26/15 15:08	2037-26-5	
4-Bromofluorobenzene (S)	117	%.	30-150	1	05/21/15 12:00	05/26/15 15:08	460-00-4	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 062175-05-01_PCC_Site Investig
Pace Project No.: 10306433

Sample: SO-062175-051215-JS-SB-7-2 **Lab ID: 10306433005** Collected: 05/12/15 13:30 Received: 05/14/15 15:30 Matrix: Solid

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

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6020A MET ICPMS	Analytical Method: EPA 6020A Preparation Method: EPA 3050							
Arsenic	**3.2**	mg/kg	0.56	20	05/22/15 11:47	05/28/15 04:30	7440-38-2	
Barium	**62.8**	mg/kg	0.33	20	05/22/15 11:47	05/28/15 04:30	7440-39-3	
Cadmium	**0.089**	mg/kg	0.089	20	05/22/15 11:47	05/28/15 04:30	7440-43-9	
Chromium	**22.9**	mg/kg	0.56	20	05/22/15 11:47	05/28/15 04:30	7440-47-3	
Lead	**2.9**	mg/kg	0.11	20	05/22/15 11:47	05/28/15 04:30	7439-92-1	
Selenium	ND	mg/kg	0.56	20	05/22/15 11:47	05/28/15 04:30	7782-49-2	
Silver	ND	mg/kg	0.56	20	05/22/15 11:47	05/28/15 04:30	7440-22-4	
7471B Mercury	Analytical Method: EPA 7471B Preparation Method: EPA 7471B							
Mercury	**0.027**	mg/kg	0.020	1	05/22/15 14:02	05/24/15 17:22	7439-97-6	
Dry Weight	Analytical Method: ASTM D2974							
Percent Moisture	**13.6**	%	0.10	1		05/19/15 15:53		
8260B MSV 5035 Low Level	Analytical Method: EPA 8260B Preparation Method: EPA 5035 Low							
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.0039	1	05/21/15 12:00	05/26/15 15:27	630-20-6	
1,1,1-Trichloroethane	ND	mg/kg	0.0039	1	05/21/15 12:00	05/26/15 15:27	71-55-6	
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.0039	1	05/21/15 12:00	05/26/15 15:27	79-34-5	
1,1,2-Trichloroethane	ND	mg/kg	0.0039	1	05/21/15 12:00	05/26/15 15:27	79-00-5	
1,1,2-Trichlorotrifluoroethane	ND	mg/kg	0.0039	1	05/21/15 12:00	05/26/15 15:27	76-13-1	L3
1,1-Dichloroethane	ND	mg/kg	0.0039	1	05/21/15 12:00	05/26/15 15:27	75-34-3	
1,1-Dichloroethene	ND	mg/kg	0.0039	1	05/21/15 12:00	05/26/15 15:27	75-35-4	
1,1-Dichloropropene	ND	mg/kg	0.0039	1	05/21/15 12:00	05/26/15 15:27	563-58-6	
1,2,3-Trichlorobenzene	ND	mg/kg	0.0039	1	05/21/15 12:00	05/26/15 15:27	87-61-6	
1,2,3-Trichloropropane	ND	mg/kg	0.0039	1	05/21/15 12:00	05/26/15 15:27	96-18-4	
1,2,4-Trichlorobenzene	ND	mg/kg	0.0039	1	05/21/15 12:00	05/26/15 15:27	120-82-1	
1,2,4-Trimethylbenzene	ND	mg/kg	0.0039	1	05/21/15 12:00	05/26/15 15:27	95-63-6	
1,2-Dibromo-3-chloropropane	ND	mg/kg	0.0097	1	05/21/15 12:00	05/26/15 15:27	96-12-8	
1,2-Dibromoethane (EDB)	ND	mg/kg	0.0039	1	05/21/15 12:00	05/26/15 15:27	106-93-4	
1,2-Dichlorobenzene	ND	mg/kg	0.0039	1	05/21/15 12:00	05/26/15 15:27	95-50-1	
1,2-Dichloroethane	ND	mg/kg	0.0039	1	05/21/15 12:00	05/26/15 15:27	107-06-2	
1,2-Dichloroethene (Total)	ND	mg/kg	0.0078	1	05/21/15 12:00	05/26/15 15:27	540-59-0	
1,2-Dichloropropane	ND	mg/kg	0.0039	1	05/21/15 12:00	05/26/15 15:27	78-87-5	
1,3,5-Trimethylbenzene	ND	mg/kg	0.0039	1	05/21/15 12:00	05/26/15 15:27	108-67-8	
1,3-Dichlorobenzene	ND	mg/kg	0.0039	1	05/21/15 12:00	05/26/15 15:27	541-73-1	
1,3-Dichloropropane	ND	mg/kg	0.0039	1	05/21/15 12:00	05/26/15 15:27	142-28-9	
1,4-Dichlorobenzene	ND	mg/kg	0.0039	1	05/21/15 12:00	05/26/15 15:27	106-46-7	
2,2-Dichloropropane	ND	mg/kg	0.0097	1	05/21/15 12:00	05/26/15 15:27	594-20-7	
2-Butanone (MEK)	ND	mg/kg	0.019	1	05/21/15 12:00	05/26/15 15:27	78-93-3	
2-Chlorotoluene	ND	mg/kg	0.0039	1	05/21/15 12:00	05/26/15 15:27	95-49-8	
2-Hexanone	ND	mg/kg	0.019	1	05/21/15 12:00	05/26/15 15:27	591-78-6	
4-Chlorotoluene	ND	mg/kg	0.0039	1	05/21/15 12:00	05/26/15 15:27	106-43-4	
4-Methyl-2-pentanone (MIBK)	ND	mg/kg	0.019	1	05/21/15 12:00	05/26/15 15:27	108-10-1	
Acetone	**0.037**	mg/kg	0.019	1	05/21/15 12:00	05/26/15 15:27	67-64-1	
Benzene	ND	mg/kg	0.0039	1	05/21/15 12:00	05/26/15 15:27	71-43-2	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
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(612)607-1700

ANALYTICAL RESULTS

Project: 062175-05-01_PCC_Site Investig
Pace Project No.: 10306433

Sample: SO-062175-051215-JS-SB-7-2 **Lab ID: 10306433005** Collected: 05/12/15 13:30 Received: 05/14/15 15:30 Matrix: Solid

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

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV 5035 Low Level	Analytical Method: EPA 8260B Preparation Method: EPA 5035 Low							
Bromobenzene	ND	mg/kg	0.0039	1	05/21/15 12:00	05/26/15 15:27	108-86-1	
Bromochloromethane	ND	mg/kg	0.0039	1	05/21/15 12:00	05/26/15 15:27	74-97-5	
Bromodichloromethane	ND	mg/kg	0.0039	1	05/21/15 12:00	05/26/15 15:27	75-27-4	
Bromoform	ND	mg/kg	0.019	1	05/21/15 12:00	05/26/15 15:27	75-25-2	
Bromomethane	ND	mg/kg	0.019	1	05/21/15 12:00	05/26/15 15:27	74-83-9	
Carbon disulfide	ND	mg/kg	0.0039	1	05/21/15 12:00	05/26/15 15:27	75-15-0	
Carbon tetrachloride	ND	mg/kg	0.0039	1	05/21/15 12:00	05/26/15 15:27	56-23-5	
Chlorobenzene	ND	mg/kg	0.0039	1	05/21/15 12:00	05/26/15 15:27	108-90-7	
Chloroethane	ND	mg/kg	0.0097	1	05/21/15 12:00	05/26/15 15:27	75-00-3	
Chloroform	ND	mg/kg	0.0039	1	05/21/15 12:00	05/26/15 15:27	67-66-3	
Chloromethane	ND	mg/kg	0.0097	1	05/21/15 12:00	05/26/15 15:27	74-87-3	
Dibromochloromethane	ND	mg/kg	0.0039	1	05/21/15 12:00	05/26/15 15:27	124-48-1	
Dibromomethane	ND	mg/kg	0.0039	1	05/21/15 12:00	05/26/15 15:27	74-95-3	
Dichlorodifluoromethane	ND	mg/kg	0.0097	1	05/21/15 12:00	05/26/15 15:27	75-71-8	L3
Dichlorofluoromethane	ND	mg/kg	0.0039	1	05/21/15 12:00	05/26/15 15:27	75-43-4	
Ethylbenzene	ND	mg/kg	0.0039	1	05/21/15 12:00	05/26/15 15:27	100-41-4	
Hexachloro-1,3-butadiene	ND	mg/kg	0.0097	1	05/21/15 12:00	05/26/15 15:27	87-68-3	
Isopropylbenzene (Cumene)	ND	mg/kg	0.0039	1	05/21/15 12:00	05/26/15 15:27	98-82-8	
Methyl-tert-butyl ether	ND	mg/kg	0.0039	1	05/21/15 12:00	05/26/15 15:27	1634-04-4	
Methylene Chloride	ND	mg/kg	0.019	1	05/21/15 12:00	05/26/15 15:27	75-09-2	
Naphthalene	ND	mg/kg	0.0097	1	05/21/15 12:00	05/26/15 15:27	91-20-3	
Styrene	ND	mg/kg	0.0039	1	05/21/15 12:00	05/26/15 15:27	100-42-5	
Tetrachloroethene	ND	mg/kg	0.0039	1	05/21/15 12:00	05/26/15 15:27	127-18-4	
Toluene	ND	mg/kg	0.0039	1	05/21/15 12:00	05/26/15 15:27	108-88-3	
Trichloroethene	ND	mg/kg	0.0039	1	05/21/15 12:00	05/26/15 15:27	79-01-6	
Trichlorofluoromethane	ND	mg/kg	0.0097	1	05/21/15 12:00	05/26/15 15:27	75-69-4	
Vinyl chloride	ND	mg/kg	0.0039	1	05/21/15 12:00	05/26/15 15:27	75-01-4	
Xylene (Total)	ND	mg/kg	0.012	1	05/21/15 12:00	05/26/15 15:27	1330-20-7	
cis-1,2-Dichloroethene	ND	mg/kg	0.0039	1	05/21/15 12:00	05/26/15 15:27	156-59-2	
cis-1,3-Dichloropropene	ND	mg/kg	0.0039	1	05/21/15 12:00	05/26/15 15:27	10061-01-5	
m&p-Xylene	ND	mg/kg	0.0078	1	05/21/15 12:00	05/26/15 15:27	179601-23-1	
n-Butylbenzene	ND	mg/kg	0.0039	1	05/21/15 12:00	05/26/15 15:27	104-51-8	
n-Propylbenzene	ND	mg/kg	0.0039	1	05/21/15 12:00	05/26/15 15:27	103-65-1	
o-Xylene	ND	mg/kg	0.0039	1	05/21/15 12:00	05/26/15 15:27	95-47-6	
p-Isopropyltoluene	ND	mg/kg	0.0039	1	05/21/15 12:00	05/26/15 15:27	99-87-6	
sec-Butylbenzene	ND	mg/kg	0.0039	1	05/21/15 12:00	05/26/15 15:27	135-98-8	
tert-Butylbenzene	ND	mg/kg	0.0039	1	05/21/15 12:00	05/26/15 15:27	98-06-6	
trans-1,2-Dichloroethene	ND	mg/kg	0.0039	1	05/21/15 12:00	05/26/15 15:27	156-60-5	
trans-1,3-Dichloropropene	ND	mg/kg	0.0039	1	05/21/15 12:00	05/26/15 15:27	10061-02-6	
Surrogates								
1,2-Dichloroethane-d4 (S)	105	%.	30-150	1	05/21/15 12:00	05/26/15 15:27	17060-07-0	
Toluene-d8 (S)	101	%.	30-150	1	05/21/15 12:00	05/26/15 15:27	2037-26-5	
4-Bromofluorobenzene (S)	104	%.	30-150	1	05/21/15 12:00	05/26/15 15:27	460-00-4	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 062175-05-01_PCC_Site Investig
Pace Project No.: 10306433

Sample: SO-062175-051315-JS-SB-5-5 **Lab ID: 10306433006** Collected: 05/13/15 09:25 Received: 05/14/15 15:30 Matrix: Solid

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

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6020A MET ICPMS	Analytical Method: EPA 6020A Preparation Method: EPA 3050							
Arsenic	**3.2**	mg/kg	0.52	20	05/22/15 11:47	05/28/15 04:34	7440-38-2	
Barium	**82.0**	mg/kg	0.31	20	05/22/15 11:47	05/28/15 04:34	7440-39-3	
Cadmium	**0.35**	mg/kg	0.083	20	05/22/15 11:47	05/28/15 04:34	7440-43-9	
Chromium	**23.7**	mg/kg	0.52	20	05/22/15 11:47	05/28/15 04:34	7440-47-3	
Lead	**4.4**	mg/kg	0.10	20	05/22/15 11:47	05/28/15 04:34	7439-92-1	
Selenium	ND	mg/kg	0.52	20	05/22/15 11:47	05/28/15 04:34	7782-49-2	
Silver	ND	mg/kg	0.52	20	05/22/15 11:47	05/28/15 04:34	7440-22-4	
7471B Mercury	Analytical Method: EPA 7471B Preparation Method: EPA 7471B							
Mercury	**0.028**	mg/kg	0.023	1	05/22/15 14:02	05/24/15 17:24	7439-97-6	
Dry Weight	Analytical Method: ASTM D2974							
Percent Moisture	**14.4**	%	0.10	1		05/19/15 15:53		
8260B MSV 5035 Low Level	Analytical Method: EPA 8260B Preparation Method: EPA 5035 Low							
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.0044	1	05/21/15 12:00	05/22/15 07:37	630-20-6	
1,1,1-Trichloroethane	**0.063**	mg/kg	0.0044	1	05/21/15 12:00	05/22/15 07:37	71-55-6	
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.0044	1	05/21/15 12:00	05/22/15 07:37	79-34-5	
1,1,2-Trichloroethane	ND	mg/kg	0.0044	1	05/21/15 12:00	05/22/15 07:37	79-00-5	
1,1,2-Trichlorotrifluoroethane	ND	mg/kg	0.0044	1	05/21/15 12:00	05/22/15 07:37	76-13-1	
1,1-Dichloroethane	**0.017**	mg/kg	0.0044	1	05/21/15 12:00	05/22/15 07:37	75-34-3	
1,1-Dichloroethene	**0.038**	mg/kg	0.0044	1	05/21/15 12:00	05/22/15 07:37	75-35-4	
1,1-Dichloropropene	ND	mg/kg	0.0044	1	05/21/15 12:00	05/22/15 07:37	563-58-6	
1,2,3-Trichlorobenzene	ND	mg/kg	0.0044	1	05/21/15 12:00	05/22/15 07:37	87-61-6	
1,2,3-Trichloropropane	ND	mg/kg	0.0044	1	05/21/15 12:00	05/22/15 07:37	96-18-4	
1,2,4-Trichlorobenzene	ND	mg/kg	0.0044	1	05/21/15 12:00	05/22/15 07:37	120-82-1	
1,2,4-Trimethylbenzene	ND	mg/kg	0.0044	1	05/21/15 12:00	05/22/15 07:37	95-63-6	
1,2-Dibromo-3-chloropropane	ND	mg/kg	0.011	1	05/21/15 12:00	05/22/15 07:37	96-12-8	
1,2-Dibromoethane (EDB)	ND	mg/kg	0.0044	1	05/21/15 12:00	05/22/15 07:37	106-93-4	
1,2-Dichlorobenzene	ND	mg/kg	0.0044	1	05/21/15 12:00	05/22/15 07:37	95-50-1	
1,2-Dichloroethane	ND	mg/kg	0.0044	1	05/21/15 12:00	05/22/15 07:37	107-06-2	
1,2-Dichloroethene (Total)	**0.012**	mg/kg	0.0088	1	05/21/15 12:00	05/22/15 07:37	540-59-0	
1,2-Dichloropropane	ND	mg/kg	0.0044	1	05/21/15 12:00	05/22/15 07:37	78-87-5	
1,3,5-Trimethylbenzene	ND	mg/kg	0.0044	1	05/21/15 12:00	05/22/15 07:37	108-67-8	
1,3-Dichlorobenzene	ND	mg/kg	0.0044	1	05/21/15 12:00	05/22/15 07:37	541-73-1	
1,3-Dichloropropane	ND	mg/kg	0.0044	1	05/21/15 12:00	05/22/15 07:37	142-28-9	
1,4-Dichlorobenzene	ND	mg/kg	0.0044	1	05/21/15 12:00	05/22/15 07:37	106-46-7	
2,2-Dichloropropane	ND	mg/kg	0.011	1	05/21/15 12:00	05/22/15 07:37	594-20-7	
2-Butanone (MEK)	ND	mg/kg	0.022	1	05/21/15 12:00	05/22/15 07:37	78-93-3	
2-Chlorotoluene	ND	mg/kg	0.0044	1	05/21/15 12:00	05/22/15 07:37	95-49-8	
2-Hexanone	ND	mg/kg	0.022	1	05/21/15 12:00	05/22/15 07:37	591-78-6	
4-Chlorotoluene	ND	mg/kg	0.0044	1	05/21/15 12:00	05/22/15 07:37	106-43-4	
4-Methyl-2-pentanone (MIBK)	ND	mg/kg	0.022	1	05/21/15 12:00	05/22/15 07:37	108-10-1	
Acetone	**0.60**	mg/kg	0.022	1	05/21/15 12:00	05/22/15 07:37	67-64-1	
Benzene	ND	mg/kg	0.0044	1	05/21/15 12:00	05/22/15 07:37	71-43-2	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 062175-05-01_PCC_Site Investig
Pace Project No.: 10306433

Sample: SO-062175-051315-JS-SB-5-5 **Lab ID: 10306433006** Collected: 05/13/15 09:25 Received: 05/14/15 15:30 Matrix: Solid

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

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV 5035 Low Level	Analytical Method: EPA 8260B Preparation Method: EPA 5035 Low							
Bromobenzene	ND	mg/kg	0.0044	1	05/21/15 12:00	05/22/15 07:37	108-86-1	
Bromochloromethane	ND	mg/kg	0.0044	1	05/21/15 12:00	05/22/15 07:37	74-97-5	
Bromodichloromethane	ND	mg/kg	0.0044	1	05/21/15 12:00	05/22/15 07:37	75-27-4	
Bromoform	ND	mg/kg	0.022	1	05/21/15 12:00	05/22/15 07:37	75-25-2	
Bromomethane	ND	mg/kg	0.022	1	05/21/15 12:00	05/22/15 07:37	74-83-9	
Carbon disulfide	ND	mg/kg	0.0044	1	05/21/15 12:00	05/22/15 07:37	75-15-0	
Carbon tetrachloride	ND	mg/kg	0.0044	1	05/21/15 12:00	05/22/15 07:37	56-23-5	
Chlorobenzene	ND	mg/kg	0.0044	1	05/21/15 12:00	05/22/15 07:37	108-90-7	
Chloroethane	ND	mg/kg	0.011	1	05/21/15 12:00	05/22/15 07:37	75-00-3	
Chloroform	ND	mg/kg	0.0044	1	05/21/15 12:00	05/22/15 07:37	67-66-3	
Chloromethane	ND	mg/kg	0.011	1	05/21/15 12:00	05/22/15 07:37	74-87-3	
Dibromochloromethane	ND	mg/kg	0.0044	1	05/21/15 12:00	05/22/15 07:37	124-48-1	
Dibromomethane	ND	mg/kg	0.0044	1	05/21/15 12:00	05/22/15 07:37	74-95-3	
Dichlorodifluoromethane	ND	mg/kg	0.011	1	05/21/15 12:00	05/22/15 07:37	75-71-8	
Dichlorofluoromethane	ND	mg/kg	0.0044	1	05/21/15 12:00	05/22/15 07:37	75-43-4	
Ethylbenzene	ND	mg/kg	0.0044	1	05/21/15 12:00	05/22/15 07:37	100-41-4	
Hexachloro-1,3-butadiene	ND	mg/kg	0.011	1	05/21/15 12:00	05/22/15 07:37	87-68-3	
Isopropylbenzene (Cumene)	ND	mg/kg	0.0044	1	05/21/15 12:00	05/22/15 07:37	98-82-8	
Methyl-tert-butyl ether	ND	mg/kg	0.0044	1	05/21/15 12:00	05/22/15 07:37	1634-04-4	
Methylene Chloride	ND	mg/kg	0.022	1	05/21/15 12:00	05/22/15 07:37	75-09-2	
Naphthalene	ND	mg/kg	0.011	1	05/21/15 12:00	05/22/15 07:37	91-20-3	
Styrene	ND	mg/kg	0.0044	1	05/21/15 12:00	05/22/15 07:37	100-42-5	
Tetrachloroethene	ND	mg/kg	0.0044	1	05/21/15 12:00	05/22/15 07:37	127-18-4	
Toluene	ND	mg/kg	0.0044	1	05/21/15 12:00	05/22/15 07:37	108-88-3	
Trichloroethene	**0.053**	mg/kg	0.0044	1	05/21/15 12:00	05/22/15 07:37	79-01-6	
Trichlorofluoromethane	ND	mg/kg	0.011	1	05/21/15 12:00	05/22/15 07:37	75-69-4	
Vinyl chloride	ND	mg/kg	0.0044	1	05/21/15 12:00	05/22/15 07:37	75-01-4	
Xylene (Total)	ND	mg/kg	0.013	1	05/21/15 12:00	05/22/15 07:37	1330-20-7	
cis-1,2-Dichloroethene	**0.012**	mg/kg	0.0044	1	05/21/15 12:00	05/22/15 07:37	156-59-2	
cis-1,3-Dichloropropene	ND	mg/kg	0.0044	1	05/21/15 12:00	05/22/15 07:37	10061-01-5	
m&p-Xylene	ND	mg/kg	0.0088	1	05/21/15 12:00	05/22/15 07:37	179601-23-1	
n-Butylbenzene	ND	mg/kg	0.0044	1	05/21/15 12:00	05/22/15 07:37	104-51-8	
n-Propylbenzene	ND	mg/kg	0.0044	1	05/21/15 12:00	05/22/15 07:37	103-65-1	
o-Xylene	ND	mg/kg	0.0044	1	05/21/15 12:00	05/22/15 07:37	95-47-6	
p-Isopropyltoluene	ND	mg/kg	0.0044	1	05/21/15 12:00	05/22/15 07:37	99-87-6	
sec-Butylbenzene	ND	mg/kg	0.0044	1	05/21/15 12:00	05/22/15 07:37	135-98-8	
tert-Butylbenzene	ND	mg/kg	0.0044	1	05/21/15 12:00	05/22/15 07:37	98-06-6	
trans-1,2-Dichloroethene	ND	mg/kg	0.0044	1	05/21/15 12:00	05/22/15 07:37	156-60-5	
trans-1,3-Dichloropropene	ND	mg/kg	0.0044	1	05/21/15 12:00	05/22/15 07:37	10061-02-6	
Surrogates								
1,2-Dichloroethane-d4 (S)	114	%.	30-150	1	05/21/15 12:00	05/22/15 07:37	17060-07-0	
Toluene-d8 (S)	102	%.	30-150	1	05/21/15 12:00	05/22/15 07:37	2037-26-5	
4-Bromofluorobenzene (S)	107	%.	30-150	1	05/21/15 12:00	05/22/15 07:37	460-00-4	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 062175-05-01_PCC_Site Investig
Pace Project No.: 10306433

Sample: SO-062175-051315-JS-SB-5-10 **Lab ID: 10306433007** Collected: 05/13/15 09:30 Received: 05/14/15 15:30 Matrix: Solid

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

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6020A MET ICPMS	Analytical Method: EPA 6020A Preparation Method: EPA 3050							
Arsenic	**4.3**	mg/kg	0.46	20	05/22/15 11:47	05/28/15 04:39	7440-38-2	
Barium	**62.7**	mg/kg	0.28	20	05/22/15 11:47	05/28/15 04:39	7440-39-3	
Cadmium	ND	mg/kg	0.074	20	05/22/15 11:47	05/28/15 04:39	7440-43-9	
Chromium	**16.3**	mg/kg	0.46	20	05/22/15 11:47	05/28/15 04:39	7440-47-3	
Lead	**2.9**	mg/kg	0.093	20	05/22/15 11:47	05/28/15 04:39	7439-92-1	
Selenium	**0.56**	mg/kg	0.46	20	05/22/15 11:47	05/28/15 04:39	7782-49-2	
Silver	ND	mg/kg	0.46	20	05/22/15 11:47	05/28/15 04:39	7440-22-4	
7471B Mercury	Analytical Method: EPA 7471B Preparation Method: EPA 7471B							
Mercury	ND	mg/kg	0.027	1	05/22/15 14:02	05/24/15 17:26	7439-97-6	
Dry Weight	Analytical Method: ASTM D2974							
Percent Moisture	**27.6**	%	0.10	1		05/19/15 15:53		
8260B MSV 5035 Low Level	Analytical Method: EPA 8260B Preparation Method: EPA 5035 Low							
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.0050	1	05/21/15 12:00	05/22/15 07:55	630-20-6	
1,1,1-Trichloroethane	ND	mg/kg	0.0050	1	05/21/15 12:00	05/22/15 07:55	71-55-6	
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.0050	1	05/21/15 12:00	05/22/15 07:55	79-34-5	
1,1,2-Trichloroethane	ND	mg/kg	0.0050	1	05/21/15 12:00	05/22/15 07:55	79-00-5	
1,1,2-Trichlorotrifluoroethane	ND	mg/kg	0.0050	1	05/21/15 12:00	05/22/15 07:55	76-13-1	
1,1-Dichloroethane	ND	mg/kg	0.0050	1	05/21/15 12:00	05/22/15 07:55	75-34-3	
1,1-Dichloroethene	ND	mg/kg	0.0050	1	05/21/15 12:00	05/22/15 07:55	75-35-4	
1,1-Dichloropropene	ND	mg/kg	0.0050	1	05/21/15 12:00	05/22/15 07:55	563-58-6	
1,2,3-Trichlorobenzene	ND	mg/kg	0.0050	1	05/21/15 12:00	05/22/15 07:55	87-61-6	
1,2,3-Trichloropropane	ND	mg/kg	0.0050	1	05/21/15 12:00	05/22/15 07:55	96-18-4	
1,2,4-Trichlorobenzene	ND	mg/kg	0.0050	1	05/21/15 12:00	05/22/15 07:55	120-82-1	
1,2,4-Trimethylbenzene	ND	mg/kg	0.0050	1	05/21/15 12:00	05/22/15 07:55	95-63-6	
1,2-Dibromo-3-chloropropane	ND	mg/kg	0.013	1	05/21/15 12:00	05/22/15 07:55	96-12-8	
1,2-Dibromoethane (EDB)	ND	mg/kg	0.0050	1	05/21/15 12:00	05/22/15 07:55	106-93-4	
1,2-Dichlorobenzene	ND	mg/kg	0.0050	1	05/21/15 12:00	05/22/15 07:55	95-50-1	
1,2-Dichloroethane	ND	mg/kg	0.0050	1	05/21/15 12:00	05/22/15 07:55	107-06-2	
1,2-Dichloroethene (Total)	**0.013**	mg/kg	0.010	1	05/21/15 12:00	05/22/15 07:55	540-59-0	
1,2-Dichloropropane	ND	mg/kg	0.0050	1	05/21/15 12:00	05/22/15 07:55	78-87-5	
1,3,5-Trimethylbenzene	ND	mg/kg	0.0050	1	05/21/15 12:00	05/22/15 07:55	108-67-8	
1,3-Dichlorobenzene	ND	mg/kg	0.0050	1	05/21/15 12:00	05/22/15 07:55	541-73-1	
1,3-Dichloropropane	ND	mg/kg	0.0050	1	05/21/15 12:00	05/22/15 07:55	142-28-9	
1,4-Dichlorobenzene	ND	mg/kg	0.0050	1	05/21/15 12:00	05/22/15 07:55	106-46-7	
2,2-Dichloropropane	ND	mg/kg	0.013	1	05/21/15 12:00	05/22/15 07:55	594-20-7	
2-Butanone (MEK)	ND	mg/kg	0.025	1	05/21/15 12:00	05/22/15 07:55	78-93-3	
2-Chlorotoluene	ND	mg/kg	0.0050	1	05/21/15 12:00	05/22/15 07:55	95-49-8	
2-Hexanone	ND	mg/kg	0.025	1	05/21/15 12:00	05/22/15 07:55	591-78-6	
4-Chlorotoluene	ND	mg/kg	0.0050	1	05/21/15 12:00	05/22/15 07:55	106-43-4	
4-Methyl-2-pentanone (MIBK)	ND	mg/kg	0.025	1	05/21/15 12:00	05/22/15 07:55	108-10-1	
Acetone	**0.041**	mg/kg	0.025	1	05/21/15 12:00	05/22/15 07:55	67-64-1	C8
Benzene	ND	mg/kg	0.0050	1	05/21/15 12:00	05/22/15 07:55	71-43-2	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
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ANALYTICAL RESULTS

Project: 062175-05-01_PCC_Site Investig
Pace Project No.: 10306433

Sample: SO-062175-051315-JS-SB-5-10 **Lab ID: 10306433007** Collected: 05/13/15 09:30 Received: 05/14/15 15:30 Matrix: Solid

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

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV 5035 Low Level	Analytical Method: EPA 8260B Preparation Method: EPA 5035 Low							
Bromobenzene	ND	mg/kg	0.0050	1	05/21/15 12:00	05/22/15 07:55	108-86-1	
Bromochloromethane	ND	mg/kg	0.0050	1	05/21/15 12:00	05/22/15 07:55	74-97-5	
Bromodichloromethane	ND	mg/kg	0.0050	1	05/21/15 12:00	05/22/15 07:55	75-27-4	
Bromoform	ND	mg/kg	0.025	1	05/21/15 12:00	05/22/15 07:55	75-25-2	
Bromomethane	ND	mg/kg	0.025	1	05/21/15 12:00	05/22/15 07:55	74-83-9	
Carbon disulfide	ND	mg/kg	0.0050	1	05/21/15 12:00	05/22/15 07:55	75-15-0	
Carbon tetrachloride	ND	mg/kg	0.0050	1	05/21/15 12:00	05/22/15 07:55	56-23-5	
Chlorobenzene	ND	mg/kg	0.0050	1	05/21/15 12:00	05/22/15 07:55	108-90-7	
Chloroethane	ND	mg/kg	0.013	1	05/21/15 12:00	05/22/15 07:55	75-00-3	
Chloroform	ND	mg/kg	0.0050	1	05/21/15 12:00	05/22/15 07:55	67-66-3	
Chloromethane	ND	mg/kg	0.013	1	05/21/15 12:00	05/22/15 07:55	74-87-3	
Dibromochloromethane	ND	mg/kg	0.0050	1	05/21/15 12:00	05/22/15 07:55	124-48-1	
Dibromomethane	ND	mg/kg	0.0050	1	05/21/15 12:00	05/22/15 07:55	74-95-3	
Dichlorodifluoromethane	ND	mg/kg	0.013	1	05/21/15 12:00	05/22/15 07:55	75-71-8	
Dichlorofluoromethane	ND	mg/kg	0.0050	1	05/21/15 12:00	05/22/15 07:55	75-43-4	
Ethylbenzene	ND	mg/kg	0.0050	1	05/21/15 12:00	05/22/15 07:55	100-41-4	
Hexachloro-1,3-butadiene	ND	mg/kg	0.013	1	05/21/15 12:00	05/22/15 07:55	87-68-3	
Isopropylbenzene (Cumene)	ND	mg/kg	0.0050	1	05/21/15 12:00	05/22/15 07:55	98-82-8	
Methyl-tert-butyl ether	ND	mg/kg	0.0050	1	05/21/15 12:00	05/22/15 07:55	1634-04-4	
Methylene Chloride	ND	mg/kg	0.025	1	05/21/15 12:00	05/22/15 07:55	75-09-2	
Naphthalene	ND	mg/kg	0.013	1	05/21/15 12:00	05/22/15 07:55	91-20-3	
Styrene	ND	mg/kg	0.0050	1	05/21/15 12:00	05/22/15 07:55	100-42-5	
Tetrachloroethene	ND	mg/kg	0.0050	1	05/21/15 12:00	05/22/15 07:55	127-18-4	
Toluene	ND	mg/kg	0.0050	1	05/21/15 12:00	05/22/15 07:55	108-88-3	
Trichloroethene	ND	mg/kg	0.0050	1	05/21/15 12:00	05/22/15 07:55	79-01-6	
Trichlorofluoromethane	ND	mg/kg	0.013	1	05/21/15 12:00	05/22/15 07:55	75-69-4	
Vinyl chloride	ND	mg/kg	0.0050	1	05/21/15 12:00	05/22/15 07:55	75-01-4	
Xylene (Total)	ND	mg/kg	0.015	1	05/21/15 12:00	05/22/15 07:55	1330-20-7	
cis-1,2-Dichloroethene	**0.012**	mg/kg	0.0050	1	05/21/15 12:00	05/22/15 07:55	156-59-2	
cis-1,3-Dichloropropene	ND	mg/kg	0.0050	1	05/21/15 12:00	05/22/15 07:55	10061-01-5	
m&p-Xylene	ND	mg/kg	0.010	1	05/21/15 12:00	05/22/15 07:55	179601-23-1	
n-Butylbenzene	ND	mg/kg	0.0050	1	05/21/15 12:00	05/22/15 07:55	104-51-8	
n-Propylbenzene	ND	mg/kg	0.0050	1	05/21/15 12:00	05/22/15 07:55	103-65-1	
o-Xylene	ND	mg/kg	0.0050	1	05/21/15 12:00	05/22/15 07:55	95-47-6	
p-Isopropyltoluene	ND	mg/kg	0.0050	1	05/21/15 12:00	05/22/15 07:55	99-87-6	
sec-Butylbenzene	ND	mg/kg	0.0050	1	05/21/15 12:00	05/22/15 07:55	135-98-8	
tert-Butylbenzene	ND	mg/kg	0.0050	1	05/21/15 12:00	05/22/15 07:55	98-06-6	
trans-1,2-Dichloroethene	ND	mg/kg	0.0050	1	05/21/15 12:00	05/22/15 07:55	156-60-5	
trans-1,3-Dichloropropene	ND	mg/kg	0.0050	1	05/21/15 12:00	05/22/15 07:55	10061-02-6	
Surrogates								
1,2-Dichloroethane-d4 (S)	110	%.	30-150	1	05/21/15 12:00	05/22/15 07:55	17060-07-0	
Toluene-d8 (S)	100	%.	30-150	1	05/21/15 12:00	05/22/15 07:55	2037-26-5	
4-Bromofluorobenzene (S)	103	%.	30-150	1	05/21/15 12:00	05/22/15 07:55	460-00-4	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
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ANALYTICAL RESULTS

Project: 062175-05-01_PCC_Site Investig
Pace Project No.: 10306433

Sample: SO-062175-051315-JS-SB-5-15 **Lab ID: 10306433008** Collected: 05/13/15 09:45 Received: 05/14/15 15:30 Matrix: Solid

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

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6020A MET ICPMS	Analytical Method: EPA 6020A Preparation Method: EPA 3050							
Arsenic	**8.5**	mg/kg	0.51	20	05/22/15 11:47	05/28/15 04:44	7440-38-2	
Barium	**89.3**	mg/kg	0.30	20	05/22/15 11:47	05/28/15 04:44	7440-39-3	
Cadmium	**0.10**	mg/kg	0.081	20	05/22/15 11:47	05/28/15 04:44	7440-43-9	
Chromium	**22.7**	mg/kg	0.51	20	05/22/15 11:47	05/28/15 04:44	7440-47-3	
Lead	**5.0**	mg/kg	0.10	20	05/22/15 11:47	05/28/15 04:44	7439-92-1	
Selenium	**1.1**	mg/kg	0.51	20	05/22/15 11:47	05/28/15 04:44	7782-49-2	
Silver	ND	mg/kg	0.51	20	05/22/15 11:47	05/28/15 04:44	7440-22-4	
7471B Mercury	Analytical Method: EPA 7471B Preparation Method: EPA 7471B							
Mercury	**0.069**	mg/kg	0.025	1	05/22/15 14:02	05/24/15 17:28	7439-97-6	
Dry Weight	Analytical Method: ASTM D2974							
Percent Moisture	**31.5**	%	0.10	1		05/19/15 15:53		
8260B MSV 5035 Low Level	Analytical Method: EPA 8260B Preparation Method: EPA 5035 Low							
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.0057	1	05/21/15 12:00	05/22/15 08:14	630-20-6	
1,1,1-Trichloroethane	ND	mg/kg	0.0057	1	05/21/15 12:00	05/22/15 08:14	71-55-6	
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.0057	1	05/21/15 12:00	05/22/15 08:14	79-34-5	
1,1,2-Trichloroethane	ND	mg/kg	0.0057	1	05/21/15 12:00	05/22/15 08:14	79-00-5	
1,1,2-Trichlorotrifluoroethane	ND	mg/kg	0.0057	1	05/21/15 12:00	05/22/15 08:14	76-13-1	
1,1-Dichloroethane	ND	mg/kg	0.0057	1	05/21/15 12:00	05/22/15 08:14	75-34-3	
1,1-Dichloroethene	ND	mg/kg	0.0057	1	05/21/15 12:00	05/22/15 08:14	75-35-4	
1,1-Dichloropropene	ND	mg/kg	0.0057	1	05/21/15 12:00	05/22/15 08:14	563-58-6	
1,2,3-Trichlorobenzene	ND	mg/kg	0.0057	1	05/21/15 12:00	05/22/15 08:14	87-61-6	
1,2,3-Trichloropropane	ND	mg/kg	0.0057	1	05/21/15 12:00	05/22/15 08:14	96-18-4	
1,2,4-Trichlorobenzene	ND	mg/kg	0.0057	1	05/21/15 12:00	05/22/15 08:14	120-82-1	
1,2,4-Trimethylbenzene	ND	mg/kg	0.0057	1	05/21/15 12:00	05/22/15 08:14	95-63-6	
1,2-Dibromo-3-chloropropane	ND	mg/kg	0.014	1	05/21/15 12:00	05/22/15 08:14	96-12-8	
1,2-Dibromoethane (EDB)	ND	mg/kg	0.0057	1	05/21/15 12:00	05/22/15 08:14	106-93-4	
1,2-Dichlorobenzene	ND	mg/kg	0.0057	1	05/21/15 12:00	05/22/15 08:14	95-50-1	
1,2-Dichloroethane	ND	mg/kg	0.0057	1	05/21/15 12:00	05/22/15 08:14	107-06-2	
1,2-Dichloroethene (Total)	ND	mg/kg	0.011	1	05/21/15 12:00	05/22/15 08:14	540-59-0	
1,2-Dichloropropane	ND	mg/kg	0.0057	1	05/21/15 12:00	05/22/15 08:14	78-87-5	
1,3,5-Trimethylbenzene	ND	mg/kg	0.0057	1	05/21/15 12:00	05/22/15 08:14	108-67-8	
1,3-Dichlorobenzene	ND	mg/kg	0.0057	1	05/21/15 12:00	05/22/15 08:14	541-73-1	
1,3-Dichloropropane	ND	mg/kg	0.0057	1	05/21/15 12:00	05/22/15 08:14	142-28-9	
1,4-Dichlorobenzene	ND	mg/kg	0.0057	1	05/21/15 12:00	05/22/15 08:14	106-46-7	
2,2-Dichloropropane	ND	mg/kg	0.014	1	05/21/15 12:00	05/22/15 08:14	594-20-7	
2-Butanone (MEK)	ND	mg/kg	0.029	1	05/21/15 12:00	05/22/15 08:14	78-93-3	
2-Chlorotoluene	ND	mg/kg	0.0057	1	05/21/15 12:00	05/22/15 08:14	95-49-8	
2-Hexanone	ND	mg/kg	0.029	1	05/21/15 12:00	05/22/15 08:14	591-78-6	
4-Chlorotoluene	ND	mg/kg	0.0057	1	05/21/15 12:00	05/22/15 08:14	106-43-4	
4-Methyl-2-pentanone (MIBK)	ND	mg/kg	0.029	1	05/21/15 12:00	05/22/15 08:14	108-10-1	
Acetone	**0.037**	mg/kg	0.029	1	05/21/15 12:00	05/22/15 08:14	67-64-1	C8
Benzene	ND	mg/kg	0.0057	1	05/21/15 12:00	05/22/15 08:14	71-43-2	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 062175-05-01_PCC_Site Investig
Pace Project No.: 10306433

Sample: SO-062175-051315-JS-SB-5-15 **Lab ID: 10306433008** Collected: 05/13/15 09:45 Received: 05/14/15 15:30 Matrix: Solid

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

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV 5035 Low Level	Analytical Method: EPA 8260B Preparation Method: EPA 5035 Low							
Bromobenzene	ND	mg/kg	0.0057	1	05/21/15 12:00	05/22/15 08:14	108-86-1	
Bromochloromethane	ND	mg/kg	0.0057	1	05/21/15 12:00	05/22/15 08:14	74-97-5	
Bromodichloromethane	ND	mg/kg	0.0057	1	05/21/15 12:00	05/22/15 08:14	75-27-4	
Bromoform	ND	mg/kg	0.029	1	05/21/15 12:00	05/22/15 08:14	75-25-2	
Bromomethane	ND	mg/kg	0.029	1	05/21/15 12:00	05/22/15 08:14	74-83-9	
Carbon disulfide	ND	mg/kg	0.0057	1	05/21/15 12:00	05/22/15 08:14	75-15-0	
Carbon tetrachloride	ND	mg/kg	0.0057	1	05/21/15 12:00	05/22/15 08:14	56-23-5	
Chlorobenzene	ND	mg/kg	0.0057	1	05/21/15 12:00	05/22/15 08:14	108-90-7	
Chloroethane	ND	mg/kg	0.014	1	05/21/15 12:00	05/22/15 08:14	75-00-3	
Chloroform	ND	mg/kg	0.0057	1	05/21/15 12:00	05/22/15 08:14	67-66-3	
Chloromethane	ND	mg/kg	0.014	1	05/21/15 12:00	05/22/15 08:14	74-87-3	
Dibromochloromethane	ND	mg/kg	0.0057	1	05/21/15 12:00	05/22/15 08:14	124-48-1	
Dibromomethane	ND	mg/kg	0.0057	1	05/21/15 12:00	05/22/15 08:14	74-95-3	
Dichlorodifluoromethane	ND	mg/kg	0.014	1	05/21/15 12:00	05/22/15 08:14	75-71-8	
Dichlorofluoromethane	ND	mg/kg	0.0057	1	05/21/15 12:00	05/22/15 08:14	75-43-4	
Ethylbenzene	ND	mg/kg	0.0057	1	05/21/15 12:00	05/22/15 08:14	100-41-4	
Hexachloro-1,3-butadiene	ND	mg/kg	0.014	1	05/21/15 12:00	05/22/15 08:14	87-68-3	
Isopropylbenzene (Cumene)	ND	mg/kg	0.0057	1	05/21/15 12:00	05/22/15 08:14	98-82-8	
Methyl-tert-butyl ether	ND	mg/kg	0.0057	1	05/21/15 12:00	05/22/15 08:14	1634-04-4	
Methylene Chloride	ND	mg/kg	0.029	1	05/21/15 12:00	05/22/15 08:14	75-09-2	
Naphthalene	ND	mg/kg	0.014	1	05/21/15 12:00	05/22/15 08:14	91-20-3	
Styrene	ND	mg/kg	0.0057	1	05/21/15 12:00	05/22/15 08:14	100-42-5	
Tetrachloroethene	ND	mg/kg	0.0057	1	05/21/15 12:00	05/22/15 08:14	127-18-4	
Toluene	ND	mg/kg	0.0057	1	05/21/15 12:00	05/22/15 08:14	108-88-3	
Trichloroethene	ND	mg/kg	0.0057	1	05/21/15 12:00	05/22/15 08:14	79-01-6	
Trichlorofluoromethane	ND	mg/kg	0.014	1	05/21/15 12:00	05/22/15 08:14	75-69-4	
Vinyl chloride	ND	mg/kg	0.0057	1	05/21/15 12:00	05/22/15 08:14	75-01-4	
Xylene (Total)	ND	mg/kg	0.017	1	05/21/15 12:00	05/22/15 08:14	1330-20-7	
cis-1,2-Dichloroethene	**0.0071**	mg/kg	0.0057	1	05/21/15 12:00	05/22/15 08:14	156-59-2	
cis-1,3-Dichloropropene	ND	mg/kg	0.0057	1	05/21/15 12:00	05/22/15 08:14	10061-01-5	
m&p-Xylene	ND	mg/kg	0.011	1	05/21/15 12:00	05/22/15 08:14	179601-23-1	
n-Butylbenzene	ND	mg/kg	0.0057	1	05/21/15 12:00	05/22/15 08:14	104-51-8	
n-Propylbenzene	ND	mg/kg	0.0057	1	05/21/15 12:00	05/22/15 08:14	103-65-1	
o-Xylene	ND	mg/kg	0.0057	1	05/21/15 12:00	05/22/15 08:14	95-47-6	
p-Isopropyltoluene	ND	mg/kg	0.0057	1	05/21/15 12:00	05/22/15 08:14	99-87-6	
sec-Butylbenzene	ND	mg/kg	0.0057	1	05/21/15 12:00	05/22/15 08:14	135-98-8	
tert-Butylbenzene	ND	mg/kg	0.0057	1	05/21/15 12:00	05/22/15 08:14	98-06-6	
trans-1,2-Dichloroethene	ND	mg/kg	0.0057	1	05/21/15 12:00	05/22/15 08:14	156-60-5	
trans-1,3-Dichloropropene	ND	mg/kg	0.0057	1	05/21/15 12:00	05/22/15 08:14	10061-02-6	
Surrogates								
1,2-Dichloroethane-d4 (S)	113	%.	30-150	1	05/21/15 12:00	05/22/15 08:14	17060-07-0	
Toluene-d8 (S)	100	%.	30-150	1	05/21/15 12:00	05/22/15 08:14	2037-26-5	
4-Bromofluorobenzene (S)	104	%.	30-150	1	05/21/15 12:00	05/22/15 08:14	460-00-4	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 062175-05-01_PCC_Site Investig
Pace Project No.: 10306433

Sample: SO-062175-051315-JS-SB-6-5 **Lab ID: 10306433009** Collected: 05/13/15 10:50 Received: 05/14/15 15:30 Matrix: Solid

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

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6020A MET ICPMS	Analytical Method: EPA 6020A Preparation Method: EPA 3050							
Arsenic	**4.6**	mg/kg	0.53	20	05/22/15 11:47	05/28/15 04:49	7440-38-2	
Barium	**78.5**	mg/kg	0.32	20	05/22/15 11:47	05/28/15 04:49	7440-39-3	
Cadmium	**0.13**	mg/kg	0.085	20	05/22/15 11:47	05/28/15 04:49	7440-43-9	
Chromium	**37.8**	mg/kg	0.53	20	05/22/15 11:47	05/28/15 04:49	7440-47-3	
Lead	**4.4**	mg/kg	0.11	20	05/22/15 11:47	05/28/15 04:49	7439-92-1	
Selenium	**0.69**	mg/kg	0.53	20	05/22/15 11:47	05/28/15 04:49	7782-49-2	
Silver	ND	mg/kg	0.53	20	05/22/15 11:47	05/28/15 04:49	7440-22-4	
7471B Mercury	Analytical Method: EPA 7471B Preparation Method: EPA 7471B							
Mercury	**0.034**	mg/kg	0.020	1	05/22/15 14:02	05/24/15 17:30	7439-97-6	
Dry Weight	Analytical Method: ASTM D2974							
Percent Moisture	**14.1**	%	0.10	1		05/19/15 15:53		
8260B MSV 5035 Low Level	Analytical Method: EPA 8260B Preparation Method: EPA 5035 Low							
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.0040	1	05/21/15 12:00	05/22/15 12:39	630-20-6	
1,1,1-Trichloroethane	ND	mg/kg	0.0040	1	05/21/15 12:00	05/22/15 12:39	71-55-6	
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.0040	1	05/21/15 12:00	05/22/15 12:39	79-34-5	
1,1,2-Trichloroethane	ND	mg/kg	0.0040	1	05/21/15 12:00	05/22/15 12:39	79-00-5	
1,1,2-Trichlorotrifluoroethane	ND	mg/kg	0.0040	1	05/21/15 12:00	05/22/15 12:39	76-13-1	L3
1,1-Dichloroethane	ND	mg/kg	0.0040	1	05/21/15 12:00	05/22/15 12:39	75-34-3	
1,1-Dichloroethene	ND	mg/kg	0.0040	1	05/21/15 12:00	05/22/15 12:39	75-35-4	
1,1-Dichloropropene	ND	mg/kg	0.0040	1	05/21/15 12:00	05/22/15 12:39	563-58-6	
1,2,3-Trichlorobenzene	ND	mg/kg	0.0040	1	05/21/15 12:00	05/22/15 12:39	87-61-6	
1,2,3-Trichloropropane	ND	mg/kg	0.0040	1	05/21/15 12:00	05/22/15 12:39	96-18-4	
1,2,4-Trichlorobenzene	ND	mg/kg	0.0040	1	05/21/15 12:00	05/22/15 12:39	120-82-1	
1,2,4-Trimethylbenzene	ND	mg/kg	0.0040	1	05/21/15 12:00	05/22/15 12:39	95-63-6	
1,2-Dibromo-3-chloropropane	ND	mg/kg	0.0099	1	05/21/15 12:00	05/22/15 12:39	96-12-8	
1,2-Dibromoethane (EDB)	ND	mg/kg	0.0040	1	05/21/15 12:00	05/22/15 12:39	106-93-4	
1,2-Dichlorobenzene	ND	mg/kg	0.0040	1	05/21/15 12:00	05/22/15 12:39	95-50-1	
1,2-Dichloroethane	ND	mg/kg	0.0040	1	05/21/15 12:00	05/22/15 12:39	107-06-2	
1,2-Dichloroethene (Total)	ND	mg/kg	0.0079	1	05/21/15 12:00	05/22/15 12:39	540-59-0	
1,2-Dichloropropane	ND	mg/kg	0.0040	1	05/21/15 12:00	05/22/15 12:39	78-87-5	
1,3,5-Trimethylbenzene	ND	mg/kg	0.0040	1	05/21/15 12:00	05/22/15 12:39	108-67-8	
1,3-Dichlorobenzene	ND	mg/kg	0.0040	1	05/21/15 12:00	05/22/15 12:39	541-73-1	
1,3-Dichloropropane	ND	mg/kg	0.0040	1	05/21/15 12:00	05/22/15 12:39	142-28-9	
1,4-Dichlorobenzene	ND	mg/kg	0.0040	1	05/21/15 12:00	05/22/15 12:39	106-46-7	
2,2-Dichloropropane	ND	mg/kg	0.0099	1	05/21/15 12:00	05/22/15 12:39	594-20-7	
2-Butanone (MEK)	ND	mg/kg	0.020	1	05/21/15 12:00	05/22/15 12:39	78-93-3	
2-Chlorotoluene	ND	mg/kg	0.0040	1	05/21/15 12:00	05/22/15 12:39	95-49-8	
2-Hexanone	ND	mg/kg	0.020	1	05/21/15 12:00	05/22/15 12:39	591-78-6	
4-Chlorotoluene	ND	mg/kg	0.0040	1	05/21/15 12:00	05/22/15 12:39	106-43-4	
4-Methyl-2-pentanone (MIBK)	ND	mg/kg	0.020	1	05/21/15 12:00	05/22/15 12:39	108-10-1	
Acetone	**0.042**	mg/kg	0.020	1	05/21/15 12:00	05/22/15 12:39	67-64-1	
Benzene	ND	mg/kg	0.0040	1	05/21/15 12:00	05/22/15 12:39	71-43-2	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 062175-05-01_PCC_Site Investig
Pace Project No.: 10306433

Sample: SO-062175-051315-JS-SB-6-5 **Lab ID: 10306433009** Collected: 05/13/15 10:50 Received: 05/14/15 15:30 Matrix: Solid

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

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV 5035 Low Level	Analytical Method: EPA 8260B Preparation Method: EPA 5035 Low							
Bromobenzene	ND	mg/kg	0.0040	1	05/21/15 12:00	05/22/15 12:39	108-86-1	
Bromochloromethane	ND	mg/kg	0.0040	1	05/21/15 12:00	05/22/15 12:39	74-97-5	
Bromodichloromethane	ND	mg/kg	0.0040	1	05/21/15 12:00	05/22/15 12:39	75-27-4	
Bromoform	ND	mg/kg	0.020	1	05/21/15 12:00	05/22/15 12:39	75-25-2	
Bromomethane	ND	mg/kg	0.020	1	05/21/15 12:00	05/22/15 12:39	74-83-9	
Carbon disulfide	ND	mg/kg	0.0040	1	05/21/15 12:00	05/22/15 12:39	75-15-0	
Carbon tetrachloride	ND	mg/kg	0.0040	1	05/21/15 12:00	05/22/15 12:39	56-23-5	
Chlorobenzene	ND	mg/kg	0.0040	1	05/21/15 12:00	05/22/15 12:39	108-90-7	
Chloroethane	ND	mg/kg	0.0099	1	05/21/15 12:00	05/22/15 12:39	75-00-3	
Chloroform	ND	mg/kg	0.0040	1	05/21/15 12:00	05/22/15 12:39	67-66-3	
Chloromethane	ND	mg/kg	0.0099	1	05/21/15 12:00	05/22/15 12:39	74-87-3	
Dibromochloromethane	ND	mg/kg	0.0040	1	05/21/15 12:00	05/22/15 12:39	124-48-1	
Dibromomethane	ND	mg/kg	0.0040	1	05/21/15 12:00	05/22/15 12:39	74-95-3	
Dichlorodifluoromethane	ND	mg/kg	0.0099	1	05/21/15 12:00	05/22/15 12:39	75-71-8	L3
Dichlorofluoromethane	ND	mg/kg	0.0040	1	05/21/15 12:00	05/22/15 12:39	75-43-4	
Ethylbenzene	ND	mg/kg	0.0040	1	05/21/15 12:00	05/22/15 12:39	100-41-4	
Hexachloro-1,3-butadiene	ND	mg/kg	0.0099	1	05/21/15 12:00	05/22/15 12:39	87-68-3	
Isopropylbenzene (Cumene)	ND	mg/kg	0.0040	1	05/21/15 12:00	05/22/15 12:39	98-82-8	
Methyl-tert-butyl ether	ND	mg/kg	0.0040	1	05/21/15 12:00	05/22/15 12:39	1634-04-4	
Methylene Chloride	ND	mg/kg	0.020	1	05/21/15 12:00	05/22/15 12:39	75-09-2	
Naphthalene	ND	mg/kg	0.0099	1	05/21/15 12:00	05/22/15 12:39	91-20-3	
Styrene	ND	mg/kg	0.0040	1	05/21/15 12:00	05/22/15 12:39	100-42-5	
Tetrachloroethene	ND	mg/kg	0.0040	1	05/21/15 12:00	05/22/15 12:39	127-18-4	
Toluene	ND	mg/kg	0.0040	1	05/21/15 12:00	05/22/15 12:39	108-88-3	
Trichloroethene	ND	mg/kg	0.0040	1	05/21/15 12:00	05/22/15 12:39	79-01-6	
Trichlorofluoromethane	ND	mg/kg	0.0099	1	05/21/15 12:00	05/22/15 12:39	75-69-4	
Vinyl chloride	ND	mg/kg	0.0040	1	05/21/15 12:00	05/22/15 12:39	75-01-4	
Xylene (Total)	ND	mg/kg	0.012	1	05/21/15 12:00	05/22/15 12:39	1330-20-7	
cis-1,2-Dichloroethene	ND	mg/kg	0.0040	1	05/21/15 12:00	05/22/15 12:39	156-59-2	
cis-1,3-Dichloropropene	ND	mg/kg	0.0040	1	05/21/15 12:00	05/22/15 12:39	10061-01-5	
m&p-Xylene	ND	mg/kg	0.0079	1	05/21/15 12:00	05/22/15 12:39	179601-23-1	
n-Butylbenzene	ND	mg/kg	0.0040	1	05/21/15 12:00	05/22/15 12:39	104-51-8	
n-Propylbenzene	ND	mg/kg	0.0040	1	05/21/15 12:00	05/22/15 12:39	103-65-1	
o-Xylene	ND	mg/kg	0.0040	1	05/21/15 12:00	05/22/15 12:39	95-47-6	
p-Isopropyltoluene	ND	mg/kg	0.0040	1	05/21/15 12:00	05/22/15 12:39	99-87-6	
sec-Butylbenzene	ND	mg/kg	0.0040	1	05/21/15 12:00	05/22/15 12:39	135-98-8	
tert-Butylbenzene	ND	mg/kg	0.0040	1	05/21/15 12:00	05/22/15 12:39	98-06-6	
trans-1,2-Dichloroethene	ND	mg/kg	0.0040	1	05/21/15 12:00	05/22/15 12:39	156-60-5	
trans-1,3-Dichloropropene	ND	mg/kg	0.0040	1	05/21/15 12:00	05/22/15 12:39	10061-02-6	
Surrogates								
1,2-Dichloroethane-d4 (S)	116	%.	30-150	1	05/21/15 12:00	05/22/15 12:39	17060-07-0	
Toluene-d8 (S)	100	%.	30-150	1	05/21/15 12:00	05/22/15 12:39	2037-26-5	
4-Bromofluorobenzene (S)	105	%.	30-150	1	05/21/15 12:00	05/22/15 12:39	460-00-4	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
1700 Elm Street - Suite 200
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ANALYTICAL RESULTS

Project: 062175-05-01_PCC_Site Investig
Pace Project No.: 10306433

Sample: SO-062175-051315-JS-SB-6-10 **Lab ID: 10306433010** Collected: 05/13/15 11:00 Received: 05/14/15 15:30 Matrix: Solid

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

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6020A MET ICPMS	Analytical Method: EPA 6020A Preparation Method: EPA 3050							
Arsenic	**4.4**	mg/kg	0.50	20	05/22/15 11:47	05/28/15 04:54	7440-38-2	
Barium	**58.8**	mg/kg	0.30	20	05/22/15 11:47	05/28/15 04:54	7440-39-3	
Cadmium	ND	mg/kg	0.080	20	05/22/15 11:47	05/28/15 04:54	7440-43-9	
Chromium	**15.3**	mg/kg	0.50	20	05/22/15 11:47	05/28/15 04:54	7440-47-3	
Lead	**3.1**	mg/kg	0.10	20	05/22/15 11:47	05/28/15 04:54	7439-92-1	
Selenium	**0.56**	mg/kg	0.50	20	05/22/15 11:47	05/28/15 04:54	7782-49-2	
Silver	ND	mg/kg	0.50	20	05/22/15 11:47	05/28/15 04:54	7440-22-4	
7471B Mercury	Analytical Method: EPA 7471B Preparation Method: EPA 7471B							
Mercury	**0.043**	mg/kg	0.024	1	05/22/15 14:02	05/24/15 17:32	7439-97-6	
Dry Weight	Analytical Method: ASTM D2974							
Percent Moisture	**30.4**	%	0.10	1		05/19/15 15:54		
8260B MSV 5035 Low Level	Analytical Method: EPA 8260B Preparation Method: EPA 5035 Low							
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.0058	1	05/21/15 12:00	05/22/15 12:58	630-20-6	
1,1,1-Trichloroethane	ND	mg/kg	0.0058	1	05/21/15 12:00	05/22/15 12:58	71-55-6	
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.0058	1	05/21/15 12:00	05/22/15 12:58	79-34-5	
1,1,2-Trichloroethane	ND	mg/kg	0.0058	1	05/21/15 12:00	05/22/15 12:58	79-00-5	
1,1,2-Trichlorotrifluoroethane	ND	mg/kg	0.0058	1	05/21/15 12:00	05/22/15 12:58	76-13-1	L3
1,1-Dichloroethane	ND	mg/kg	0.0058	1	05/21/15 12:00	05/22/15 12:58	75-34-3	
1,1-Dichloroethene	ND	mg/kg	0.0058	1	05/21/15 12:00	05/22/15 12:58	75-35-4	
1,1-Dichloropropene	ND	mg/kg	0.0058	1	05/21/15 12:00	05/22/15 12:58	563-58-6	
1,2,3-Trichlorobenzene	ND	mg/kg	0.0058	1	05/21/15 12:00	05/22/15 12:58	87-61-6	
1,2,3-Trichloropropane	ND	mg/kg	0.0058	1	05/21/15 12:00	05/22/15 12:58	96-18-4	
1,2,4-Trichlorobenzene	ND	mg/kg	0.0058	1	05/21/15 12:00	05/22/15 12:58	120-82-1	
1,2,4-Trimethylbenzene	ND	mg/kg	0.0058	1	05/21/15 12:00	05/22/15 12:58	95-63-6	
1,2-Dibromo-3-chloropropane	ND	mg/kg	0.014	1	05/21/15 12:00	05/22/15 12:58	96-12-8	
1,2-Dibromoethane (EDB)	ND	mg/kg	0.0058	1	05/21/15 12:00	05/22/15 12:58	106-93-4	
1,2-Dichlorobenzene	ND	mg/kg	0.0058	1	05/21/15 12:00	05/22/15 12:58	95-50-1	
1,2-Dichloroethane	ND	mg/kg	0.0058	1	05/21/15 12:00	05/22/15 12:58	107-06-2	
1,2-Dichloroethene (Total)	**0.012**	mg/kg	0.012	1	05/21/15 12:00	05/22/15 12:58	540-59-0	
1,2-Dichloropropane	ND	mg/kg	0.0058	1	05/21/15 12:00	05/22/15 12:58	78-87-5	
1,3,5-Trimethylbenzene	ND	mg/kg	0.0058	1	05/21/15 12:00	05/22/15 12:58	108-67-8	
1,3-Dichlorobenzene	ND	mg/kg	0.0058	1	05/21/15 12:00	05/22/15 12:58	541-73-1	
1,3-Dichloropropane	ND	mg/kg	0.0058	1	05/21/15 12:00	05/22/15 12:58	142-28-9	
1,4-Dichlorobenzene	ND	mg/kg	0.0058	1	05/21/15 12:00	05/22/15 12:58	106-46-7	
2,2-Dichloropropane	ND	mg/kg	0.014	1	05/21/15 12:00	05/22/15 12:58	594-20-7	
2-Butanone (MEK)	ND	mg/kg	0.029	1	05/21/15 12:00	05/22/15 12:58	78-93-3	
2-Chlorotoluene	ND	mg/kg	0.0058	1	05/21/15 12:00	05/22/15 12:58	95-49-8	
2-Hexanone	ND	mg/kg	0.029	1	05/21/15 12:00	05/22/15 12:58	591-78-6	
4-Chlorotoluene	ND	mg/kg	0.0058	1	05/21/15 12:00	05/22/15 12:58	106-43-4	
4-Methyl-2-pentanone (MIBK)	ND	mg/kg	0.029	1	05/21/15 12:00	05/22/15 12:58	108-10-1	
Acetone	**0.068**	mg/kg	0.029	1	05/21/15 12:00	05/22/15 12:58	67-64-1	
Benzene	ND	mg/kg	0.0058	1	05/21/15 12:00	05/22/15 12:58	71-43-2	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
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ANALYTICAL RESULTS

Project: 062175-05-01_PCC_Site Investig
Pace Project No.: 10306433

Sample: SO-062175-051315-JS-SB-6-10 **Lab ID: 10306433010** Collected: 05/13/15 11:00 Received: 05/14/15 15:30 Matrix: Solid

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

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV 5035 Low Level	Analytical Method: EPA 8260B Preparation Method: EPA 5035 Low							
Bromobenzene	ND	mg/kg	0.0058	1	05/21/15 12:00	05/22/15 12:58	108-86-1	
Bromochloromethane	ND	mg/kg	0.0058	1	05/21/15 12:00	05/22/15 12:58	74-97-5	
Bromodichloromethane	ND	mg/kg	0.0058	1	05/21/15 12:00	05/22/15 12:58	75-27-4	
Bromoform	ND	mg/kg	0.029	1	05/21/15 12:00	05/22/15 12:58	75-25-2	
Bromomethane	ND	mg/kg	0.029	1	05/21/15 12:00	05/22/15 12:58	74-83-9	
Carbon disulfide	ND	mg/kg	0.0058	1	05/21/15 12:00	05/22/15 12:58	75-15-0	
Carbon tetrachloride	ND	mg/kg	0.0058	1	05/21/15 12:00	05/22/15 12:58	56-23-5	
Chlorobenzene	ND	mg/kg	0.0058	1	05/21/15 12:00	05/22/15 12:58	108-90-7	
Chloroethane	ND	mg/kg	0.014	1	05/21/15 12:00	05/22/15 12:58	75-00-3	
Chloroform	ND	mg/kg	0.0058	1	05/21/15 12:00	05/22/15 12:58	67-66-3	
Chloromethane	ND	mg/kg	0.014	1	05/21/15 12:00	05/22/15 12:58	74-87-3	
Dibromochloromethane	ND	mg/kg	0.0058	1	05/21/15 12:00	05/22/15 12:58	124-48-1	
Dibromomethane	ND	mg/kg	0.0058	1	05/21/15 12:00	05/22/15 12:58	74-95-3	
Dichlorodifluoromethane	ND	mg/kg	0.014	1	05/21/15 12:00	05/22/15 12:58	75-71-8	L3
Dichlorofluoromethane	ND	mg/kg	0.0058	1	05/21/15 12:00	05/22/15 12:58	75-43-4	
Ethylbenzene	ND	mg/kg	0.0058	1	05/21/15 12:00	05/22/15 12:58	100-41-4	
Hexachloro-1,3-butadiene	ND	mg/kg	0.014	1	05/21/15 12:00	05/22/15 12:58	87-68-3	
Isopropylbenzene (Cumene)	ND	mg/kg	0.0058	1	05/21/15 12:00	05/22/15 12:58	98-82-8	
Methyl-tert-butyl ether	ND	mg/kg	0.0058	1	05/21/15 12:00	05/22/15 12:58	1634-04-4	
Methylene Chloride	ND	mg/kg	0.029	1	05/21/15 12:00	05/22/15 12:58	75-09-2	
Naphthalene	ND	mg/kg	0.014	1	05/21/15 12:00	05/22/15 12:58	91-20-3	
Styrene	ND	mg/kg	0.0058	1	05/21/15 12:00	05/22/15 12:58	100-42-5	
Tetrachloroethene	ND	mg/kg	0.0058	1	05/21/15 12:00	05/22/15 12:58	127-18-4	
Toluene	ND	mg/kg	0.0058	1	05/21/15 12:00	05/22/15 12:58	108-88-3	
Trichloroethene	ND	mg/kg	0.0058	1	05/21/15 12:00	05/22/15 12:58	79-01-6	
Trichlorofluoromethane	ND	mg/kg	0.014	1	05/21/15 12:00	05/22/15 12:58	75-69-4	
Vinyl chloride	ND	mg/kg	0.0058	1	05/21/15 12:00	05/22/15 12:58	75-01-4	
Xylene (Total)	ND	mg/kg	0.017	1	05/21/15 12:00	05/22/15 12:58	1330-20-7	
cis-1,2-Dichloroethene	**0.011**	mg/kg	0.0058	1	05/21/15 12:00	05/22/15 12:58	156-59-2	
cis-1,3-Dichloropropene	ND	mg/kg	0.0058	1	05/21/15 12:00	05/22/15 12:58	10061-01-5	
m&p-Xylene	ND	mg/kg	0.012	1	05/21/15 12:00	05/22/15 12:58	179601-23-1	
n-Butylbenzene	ND	mg/kg	0.0058	1	05/21/15 12:00	05/22/15 12:58	104-51-8	
n-Propylbenzene	ND	mg/kg	0.0058	1	05/21/15 12:00	05/22/15 12:58	103-65-1	
o-Xylene	ND	mg/kg	0.0058	1	05/21/15 12:00	05/22/15 12:58	95-47-6	
p-Isopropyltoluene	ND	mg/kg	0.0058	1	05/21/15 12:00	05/22/15 12:58	99-87-6	
sec-Butylbenzene	ND	mg/kg	0.0058	1	05/21/15 12:00	05/22/15 12:58	135-98-8	
tert-Butylbenzene	ND	mg/kg	0.0058	1	05/21/15 12:00	05/22/15 12:58	98-06-6	
trans-1,2-Dichloroethene	ND	mg/kg	0.0058	1	05/21/15 12:00	05/22/15 12:58	156-60-5	
trans-1,3-Dichloropropene	ND	mg/kg	0.0058	1	05/21/15 12:00	05/22/15 12:58	10061-02-6	
Surrogates								
1,2-Dichloroethane-d4 (S)	111	%.	30-150	1	05/21/15 12:00	05/22/15 12:58	17060-07-0	
Toluene-d8 (S)	99	%.	30-150	1	05/21/15 12:00	05/22/15 12:58	2037-26-5	
4-Bromofluorobenzene (S)	103	%.	30-150	1	05/21/15 12:00	05/22/15 12:58	460-00-4	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 062175-05-01_PCC_Site Investig
Pace Project No.: 10306433

Sample: SO-062175-051315-JS-SB-6-13 **Lab ID: 10306433011** Collected: 05/13/15 11:10 Received: 05/14/15 15:30 Matrix: Solid

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

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6020A MET ICPMS	Analytical Method: EPA 6020A Preparation Method: EPA 3050							
Arsenic	**9.9**	mg/kg	0.56	20	05/22/15 11:47	05/28/15 04:58	7440-38-2	
Barium	**82.7**	mg/kg	0.34	20	05/22/15 11:47	05/28/15 04:58	7440-39-3	
Cadmium	**0.24**	mg/kg	0.090	20	05/22/15 11:47	05/28/15 04:58	7440-43-9	
Chromium	**24.7**	mg/kg	0.56	20	05/22/15 11:47	05/28/15 04:58	7440-47-3	
Lead	**5.2**	mg/kg	0.11	20	05/22/15 11:47	05/28/15 04:58	7439-92-1	
Selenium	**0.97**	mg/kg	0.56	20	05/22/15 11:47	05/28/15 04:58	7782-49-2	
Silver	ND	mg/kg	0.56	20	05/22/15 11:47	05/28/15 04:58	7440-22-4	
7471B Mercury	Analytical Method: EPA 7471B Preparation Method: EPA 7471B							
Mercury	**0.042**	mg/kg	0.026	1	05/22/15 14:02	05/24/15 17:39	7439-97-6	
Dry Weight	Analytical Method: ASTM D2974							
Percent Moisture	**35.9**	%	0.10	1		05/19/15 15:54		
8260B MSV 5035 Low Level	Analytical Method: EPA 8260B Preparation Method: EPA 5035 Low							
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.0060	1	05/21/15 12:00	05/22/15 13:17	630-20-6	
1,1,1-Trichloroethane	ND	mg/kg	0.0060	1	05/21/15 12:00	05/22/15 13:17	71-55-6	
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.0060	1	05/21/15 12:00	05/22/15 13:17	79-34-5	
1,1,2-Trichloroethane	ND	mg/kg	0.0060	1	05/21/15 12:00	05/22/15 13:17	79-00-5	
1,1,2-Trichlorotrifluoroethane	ND	mg/kg	0.0060	1	05/21/15 12:00	05/22/15 13:17	76-13-1	L3
1,1-Dichloroethane	ND	mg/kg	0.0060	1	05/21/15 12:00	05/22/15 13:17	75-34-3	
1,1-Dichloroethene	ND	mg/kg	0.0060	1	05/21/15 12:00	05/22/15 13:17	75-35-4	
1,1-Dichloropropene	ND	mg/kg	0.0060	1	05/21/15 12:00	05/22/15 13:17	563-58-6	
1,2,3-Trichlorobenzene	ND	mg/kg	0.0060	1	05/21/15 12:00	05/22/15 13:17	87-61-6	
1,2,3-Trichloropropane	ND	mg/kg	0.0060	1	05/21/15 12:00	05/22/15 13:17	96-18-4	
1,2,4-Trichlorobenzene	ND	mg/kg	0.0060	1	05/21/15 12:00	05/22/15 13:17	120-82-1	
1,2,4-Trimethylbenzene	ND	mg/kg	0.0060	1	05/21/15 12:00	05/22/15 13:17	95-63-6	
1,2-Dibromo-3-chloropropane	ND	mg/kg	0.015	1	05/21/15 12:00	05/22/15 13:17	96-12-8	
1,2-Dibromoethane (EDB)	ND	mg/kg	0.0060	1	05/21/15 12:00	05/22/15 13:17	106-93-4	
1,2-Dichlorobenzene	ND	mg/kg	0.0060	1	05/21/15 12:00	05/22/15 13:17	95-50-1	
1,2-Dichloroethane	ND	mg/kg	0.0060	1	05/21/15 12:00	05/22/15 13:17	107-06-2	
1,2-Dichloroethene (Total)	**0.058**	mg/kg	0.012	1	05/21/15 12:00	05/22/15 13:17	540-59-0	
1,2-Dichloropropane	ND	mg/kg	0.0060	1	05/21/15 12:00	05/22/15 13:17	78-87-5	
1,3,5-Trimethylbenzene	ND	mg/kg	0.0060	1	05/21/15 12:00	05/22/15 13:17	108-67-8	
1,3-Dichlorobenzene	ND	mg/kg	0.0060	1	05/21/15 12:00	05/22/15 13:17	541-73-1	
1,3-Dichloropropane	ND	mg/kg	0.0060	1	05/21/15 12:00	05/22/15 13:17	142-28-9	
1,4-Dichlorobenzene	ND	mg/kg	0.0060	1	05/21/15 12:00	05/22/15 13:17	106-46-7	
2,2-Dichloropropane	ND	mg/kg	0.015	1	05/21/15 12:00	05/22/15 13:17	594-20-7	
2-Butanone (MEK)	ND	mg/kg	0.030	1	05/21/15 12:00	05/22/15 13:17	78-93-3	
2-Chlorotoluene	ND	mg/kg	0.0060	1	05/21/15 12:00	05/22/15 13:17	95-49-8	
2-Hexanone	ND	mg/kg	0.030	1	05/21/15 12:00	05/22/15 13:17	591-78-6	
4-Chlorotoluene	ND	mg/kg	0.0060	1	05/21/15 12:00	05/22/15 13:17	106-43-4	
4-Methyl-2-pentanone (MIBK)	ND	mg/kg	0.030	1	05/21/15 12:00	05/22/15 13:17	108-10-1	
Acetone	**0.11**	mg/kg	0.030	1	05/21/15 12:00	05/22/15 13:17	67-64-1	
Benzene	ND	mg/kg	0.0060	1	05/21/15 12:00	05/22/15 13:17	71-43-2	

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ANALYTICAL RESULTS

Project: 062175-05-01_PCC_Site Investig
Pace Project No.: 10306433

Sample: SO-062175-051315-JS-SB-6-13 **Lab ID: 10306433011** Collected: 05/13/15 11:10 Received: 05/14/15 15:30 Matrix: Solid

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

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV 5035 Low Level	Analytical Method: EPA 8260B Preparation Method: EPA 5035 Low							
Bromobenzene	ND	mg/kg	0.0060	1	05/21/15 12:00	05/22/15 13:17	108-86-1	
Bromochloromethane	ND	mg/kg	0.0060	1	05/21/15 12:00	05/22/15 13:17	74-97-5	
Bromodichloromethane	ND	mg/kg	0.0060	1	05/21/15 12:00	05/22/15 13:17	75-27-4	
Bromoform	ND	mg/kg	0.030	1	05/21/15 12:00	05/22/15 13:17	75-25-2	
Bromomethane	ND	mg/kg	0.030	1	05/21/15 12:00	05/22/15 13:17	74-83-9	
Carbon disulfide	ND	mg/kg	0.0060	1	05/21/15 12:00	05/22/15 13:17	75-15-0	
Carbon tetrachloride	ND	mg/kg	0.0060	1	05/21/15 12:00	05/22/15 13:17	56-23-5	
Chlorobenzene	ND	mg/kg	0.0060	1	05/21/15 12:00	05/22/15 13:17	108-90-7	
Chloroethane	ND	mg/kg	0.015	1	05/21/15 12:00	05/22/15 13:17	75-00-3	
Chloroform	ND	mg/kg	0.0060	1	05/21/15 12:00	05/22/15 13:17	67-66-3	
Chloromethane	ND	mg/kg	0.015	1	05/21/15 12:00	05/22/15 13:17	74-87-3	
Dibromochloromethane	ND	mg/kg	0.0060	1	05/21/15 12:00	05/22/15 13:17	124-48-1	
Dibromomethane	ND	mg/kg	0.0060	1	05/21/15 12:00	05/22/15 13:17	74-95-3	
Dichlorodifluoromethane	ND	mg/kg	0.015	1	05/21/15 12:00	05/22/15 13:17	75-71-8	L3
Dichlorofluoromethane	ND	mg/kg	0.0060	1	05/21/15 12:00	05/22/15 13:17	75-43-4	
Ethylbenzene	ND	mg/kg	0.0060	1	05/21/15 12:00	05/22/15 13:17	100-41-4	
Hexachloro-1,3-butadiene	ND	mg/kg	0.015	1	05/21/15 12:00	05/22/15 13:17	87-68-3	
Isopropylbenzene (Cumene)	ND	mg/kg	0.0060	1	05/21/15 12:00	05/22/15 13:17	98-82-8	
Methyl-tert-butyl ether	ND	mg/kg	0.0060	1	05/21/15 12:00	05/22/15 13:17	1634-04-4	
Methylene Chloride	ND	mg/kg	0.030	1	05/21/15 12:00	05/22/15 13:17	75-09-2	
Naphthalene	ND	mg/kg	0.015	1	05/21/15 12:00	05/22/15 13:17	91-20-3	
Styrene	ND	mg/kg	0.0060	1	05/21/15 12:00	05/22/15 13:17	100-42-5	
Tetrachloroethene	ND	mg/kg	0.0060	1	05/21/15 12:00	05/22/15 13:17	127-18-4	
Toluene	ND	mg/kg	0.0060	1	05/21/15 12:00	05/22/15 13:17	108-88-3	
Trichloroethene	ND	mg/kg	0.0060	1	05/21/15 12:00	05/22/15 13:17	79-01-6	
Trichlorofluoromethane	ND	mg/kg	0.015	1	05/21/15 12:00	05/22/15 13:17	75-69-4	
Vinyl chloride	ND	mg/kg	0.0060	1	05/21/15 12:00	05/22/15 13:17	75-01-4	
Xylene (Total)	ND	mg/kg	0.018	1	05/21/15 12:00	05/22/15 13:17	1330-20-7	
cis-1,2-Dichloroethene	**0.055**	mg/kg	0.0060	1	05/21/15 12:00	05/22/15 13:17	156-59-2	
cis-1,3-Dichloropropene	ND	mg/kg	0.0060	1	05/21/15 12:00	05/22/15 13:17	10061-01-5	
m&p-Xylene	ND	mg/kg	0.012	1	05/21/15 12:00	05/22/15 13:17	179601-23-1	
n-Butylbenzene	ND	mg/kg	0.0060	1	05/21/15 12:00	05/22/15 13:17	104-51-8	
n-Propylbenzene	ND	mg/kg	0.0060	1	05/21/15 12:00	05/22/15 13:17	103-65-1	
o-Xylene	ND	mg/kg	0.0060	1	05/21/15 12:00	05/22/15 13:17	95-47-6	
p-Isopropyltoluene	ND	mg/kg	0.0060	1	05/21/15 12:00	05/22/15 13:17	99-87-6	
sec-Butylbenzene	ND	mg/kg	0.0060	1	05/21/15 12:00	05/22/15 13:17	135-98-8	
tert-Butylbenzene	ND	mg/kg	0.0060	1	05/21/15 12:00	05/22/15 13:17	98-06-6	
trans-1,2-Dichloroethene	ND	mg/kg	0.0060	1	05/21/15 12:00	05/22/15 13:17	156-60-5	
trans-1,3-Dichloropropene	ND	mg/kg	0.0060	1	05/21/15 12:00	05/22/15 13:17	10061-02-6	
Surrogates								
1,2-Dichloroethane-d4 (S)	114	%.	30-150	1	05/21/15 12:00	05/22/15 13:17	17060-07-0	
Toluene-d8 (S)	98	%.	30-150	1	05/21/15 12:00	05/22/15 13:17	2037-26-5	
4-Bromofluorobenzene (S)	106	%.	30-150	1	05/21/15 12:00	05/22/15 13:17	460-00-4	

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ANALYTICAL RESULTS

Project: 062175-05-01_PCC_Site Investig
Pace Project No.: 10306433

Sample: Trip Blank **Lab ID: 10306433012** Collected: 05/12/15 00:00 Received: 05/14/15 15:30 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV 5035 Low Level	Analytical Method: EPA 8260B Preparation Method: EPA 5035 Low							
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.0040	1	05/21/15 12:00	05/21/15 18:33	630-20-6	
1,1,1-Trichloroethane	ND	mg/kg	0.0040	1	05/21/15 12:00	05/21/15 18:33	71-55-6	
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.0040	1	05/21/15 12:00	05/21/15 18:33	79-34-5	
1,1,2-Trichloroethane	ND	mg/kg	0.0040	1	05/21/15 12:00	05/21/15 18:33	79-00-5	
1,1,2-Trichlorotrifluoroethane	ND	mg/kg	0.0040	1	05/21/15 12:00	05/21/15 18:33	76-13-1	
1,1-Dichloroethane	ND	mg/kg	0.0040	1	05/21/15 12:00	05/21/15 18:33	75-34-3	
1,1-Dichloroethene	ND	mg/kg	0.0040	1	05/21/15 12:00	05/21/15 18:33	75-35-4	
1,1-Dichloropropene	ND	mg/kg	0.0040	1	05/21/15 12:00	05/21/15 18:33	563-58-6	
1,2,3-Trichlorobenzene	ND	mg/kg	0.0040	1	05/21/15 12:00	05/21/15 18:33	87-61-6	
1,2,3-Trichloropropane	ND	mg/kg	0.0040	1	05/21/15 12:00	05/21/15 18:33	96-18-4	
1,2,4-Trichlorobenzene	ND	mg/kg	0.0040	1	05/21/15 12:00	05/21/15 18:33	120-82-1	
1,2,4-Trimethylbenzene	ND	mg/kg	0.0040	1	05/21/15 12:00	05/21/15 18:33	95-63-6	
1,2-Dibromo-3-chloropropane	ND	mg/kg	0.010	1	05/21/15 12:00	05/21/15 18:33	96-12-8	
1,2-Dibromoethane (EDB)	ND	mg/kg	0.0040	1	05/21/15 12:00	05/21/15 18:33	106-93-4	
1,2-Dichlorobenzene	ND	mg/kg	0.0040	1	05/21/15 12:00	05/21/15 18:33	95-50-1	
1,2-Dichloroethane	ND	mg/kg	0.0040	1	05/21/15 12:00	05/21/15 18:33	107-06-2	
1,2-Dichloroethene (Total)	ND	mg/kg	0.0080	1	05/21/15 12:00	05/21/15 18:33	540-59-0	
1,2-Dichloropropane	ND	mg/kg	0.0040	1	05/21/15 12:00	05/21/15 18:33	78-87-5	
1,3,5-Trimethylbenzene	ND	mg/kg	0.0040	1	05/21/15 12:00	05/21/15 18:33	108-67-8	
1,3-Dichlorobenzene	ND	mg/kg	0.0040	1	05/21/15 12:00	05/21/15 18:33	541-73-1	
1,3-Dichloropropane	ND	mg/kg	0.0040	1	05/21/15 12:00	05/21/15 18:33	142-28-9	
1,4-Dichlorobenzene	ND	mg/kg	0.0040	1	05/21/15 12:00	05/21/15 18:33	106-46-7	
2,2-Dichloropropane	ND	mg/kg	0.010	1	05/21/15 12:00	05/21/15 18:33	594-20-7	
2-Butanone (MEK)	ND	mg/kg	0.020	1	05/21/15 12:00	05/21/15 18:33	78-93-3	
2-Chlorotoluene	ND	mg/kg	0.0040	1	05/21/15 12:00	05/21/15 18:33	95-49-8	
2-Hexanone	ND	mg/kg	0.020	1	05/21/15 12:00	05/21/15 18:33	591-78-6	
4-Chlorotoluene	ND	mg/kg	0.0040	1	05/21/15 12:00	05/21/15 18:33	106-43-4	
4-Methyl-2-pentanone (MIBK)	ND	mg/kg	0.020	1	05/21/15 12:00	05/21/15 18:33	108-10-1	
Acetone	ND	mg/kg	0.020	1	05/21/15 12:00	05/21/15 18:33	67-64-1	
Benzene	ND	mg/kg	0.0040	1	05/21/15 12:00	05/21/15 18:33	71-43-2	
Bromobenzene	ND	mg/kg	0.0040	1	05/21/15 12:00	05/21/15 18:33	108-86-1	
Bromochloromethane	ND	mg/kg	0.0040	1	05/21/15 12:00	05/21/15 18:33	74-97-5	
Bromodichloromethane	ND	mg/kg	0.0040	1	05/21/15 12:00	05/21/15 18:33	75-27-4	
Bromoform	ND	mg/kg	0.020	1	05/21/15 12:00	05/21/15 18:33	75-25-2	
Bromomethane	ND	mg/kg	0.020	1	05/21/15 12:00	05/21/15 18:33	74-83-9	
Carbon disulfide	ND	mg/kg	0.0040	1	05/21/15 12:00	05/21/15 18:33	75-15-0	
Carbon tetrachloride	ND	mg/kg	0.0040	1	05/21/15 12:00	05/21/15 18:33	56-23-5	
Chlorobenzene	ND	mg/kg	0.0040	1	05/21/15 12:00	05/21/15 18:33	108-90-7	
Chloroethane	ND	mg/kg	0.010	1	05/21/15 12:00	05/21/15 18:33	75-00-3	
Chloroform	ND	mg/kg	0.0040	1	05/21/15 12:00	05/21/15 18:33	67-66-3	
Chloromethane	ND	mg/kg	0.010	1	05/21/15 12:00	05/21/15 18:33	74-87-3	
Dibromochloromethane	ND	mg/kg	0.0040	1	05/21/15 12:00	05/21/15 18:33	124-48-1	
Dibromomethane	ND	mg/kg	0.0040	1	05/21/15 12:00	05/21/15 18:33	74-95-3	
Dichlorodifluoromethane	ND	mg/kg	0.010	1	05/21/15 12:00	05/21/15 18:33	75-71-8	
Dichlorofluoromethane	ND	mg/kg	0.0040	1	05/21/15 12:00	05/21/15 18:33	75-43-4	
Ethylbenzene	ND	mg/kg	0.0040	1	05/21/15 12:00	05/21/15 18:33	100-41-4	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
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ANALYTICAL RESULTS

Project: 062175-05-01_PCC_Site Investig
Pace Project No.: 10306433

Sample: Trip Blank **Lab ID: 10306433012** Collected: 05/12/15 00:00 Received: 05/14/15 15:30 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV 5035 Low Level	Analytical Method: EPA 8260B Preparation Method: EPA 5035 Low							
Hexachloro-1,3-butadiene	ND	mg/kg	0.010	1	05/21/15 12:00	05/21/15 18:33	87-68-3	
Isopropylbenzene (Cumene)	ND	mg/kg	0.0040	1	05/21/15 12:00	05/21/15 18:33	98-82-8	
Methyl-tert-butyl ether	ND	mg/kg	0.0040	1	05/21/15 12:00	05/21/15 18:33	1634-04-4	
Methylene Chloride	ND	mg/kg	0.020	1	05/21/15 12:00	05/21/15 18:33	75-09-2	
Naphthalene	ND	mg/kg	0.010	1	05/21/15 12:00	05/21/15 18:33	91-20-3	
Styrene	ND	mg/kg	0.0040	1	05/21/15 12:00	05/21/15 18:33	100-42-5	
Tetrachloroethene	ND	mg/kg	0.0040	1	05/21/15 12:00	05/21/15 18:33	127-18-4	
Toluene	ND	mg/kg	0.0040	1	05/21/15 12:00	05/21/15 18:33	108-88-3	
Trichloroethene	ND	mg/kg	0.0040	1	05/21/15 12:00	05/21/15 18:33	79-01-6	
Trichlorofluoromethane	ND	mg/kg	0.010	1	05/21/15 12:00	05/21/15 18:33	75-69-4	
Vinyl chloride	ND	mg/kg	0.0040	1	05/21/15 12:00	05/21/15 18:33	75-01-4	
Xylene (Total)	ND	mg/kg	0.012	1	05/21/15 12:00	05/21/15 18:33	1330-20-7	
cis-1,2-Dichloroethene	ND	mg/kg	0.0040	1	05/21/15 12:00	05/21/15 18:33	156-59-2	
cis-1,3-Dichloropropene	ND	mg/kg	0.0040	1	05/21/15 12:00	05/21/15 18:33	10061-01-5	
m&p-Xylene	ND	mg/kg	0.0080	1	05/21/15 12:00	05/21/15 18:33	179601-23-1	
n-Butylbenzene	ND	mg/kg	0.0040	1	05/21/15 12:00	05/21/15 18:33	104-51-8	
n-Propylbenzene	ND	mg/kg	0.0040	1	05/21/15 12:00	05/21/15 18:33	103-65-1	
o-Xylene	ND	mg/kg	0.0040	1	05/21/15 12:00	05/21/15 18:33	95-47-6	
p-Isopropyltoluene	ND	mg/kg	0.0040	1	05/21/15 12:00	05/21/15 18:33	99-87-6	
sec-Butylbenzene	ND	mg/kg	0.0040	1	05/21/15 12:00	05/21/15 18:33	135-98-8	
tert-Butylbenzene	ND	mg/kg	0.0040	1	05/21/15 12:00	05/21/15 18:33	98-06-6	
trans-1,2-Dichloroethene	ND	mg/kg	0.0040	1	05/21/15 12:00	05/21/15 18:33	156-60-5	
trans-1,3-Dichloropropene	ND	mg/kg	0.0040	1	05/21/15 12:00	05/21/15 18:33	10061-02-6	
Surrogates								
1,2-Dichloroethane-d4 (S)	110	%.	30-150	1	05/21/15 12:00	05/21/15 18:33	17060-07-0	
Toluene-d8 (S)	100	%.	30-150	1	05/21/15 12:00	05/21/15 18:33	2037-26-5	
4-Bromofluorobenzene (S)	103	%.	30-150	1	05/21/15 12:00	05/21/15 18:33	460-00-4	

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 062175-05-01_PCC_Site Investig
Pace Project No.: 10306433

QC Batch: MERP/13560 Analysis Method: EPA 7471B
QC Batch Method: EPA 7471B Analysis Description: 7471B Mercury Solids
Associated Lab Samples: 10306433001, 10306433002, 10306433003, 10306433004, 10306433005, 10306433006, 10306433007, 10306433008, 10306433009, 10306433010, 10306433011

METHOD BLANK: 1966646 Matrix: Solid
Associated Lab Samples: 10306433001, 10306433002, 10306433003, 10306433004, 10306433005, 10306433006, 10306433007, 10306433008, 10306433009, 10306433010, 10306433011

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury	mg/kg	ND	0.017	05/24/15 16:57	

LABORATORY CONTROL SAMPLE: 1966647

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	mg/kg	.42	0.38	91	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1966648 1966649

Parameter	Units	10306270001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	mg/kg	ND	.56	.55	0.55	0.54	96	97	75-125	2	20	

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REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: 062175-05-01_PCC_Site Investig
Pace Project No.: 10306433

QC Batch: MPRP/54436 Analysis Method: EPA 6020A
QC Batch Method: EPA 3050 Analysis Description: 6020A Solids UPD4
Associated Lab Samples: 10306433001, 10306433002, 10306433003, 10306433004, 10306433005, 10306433006, 10306433007, 10306433008, 10306433009, 10306433010, 10306433011

METHOD BLANK: 1966688 Matrix: Solid
Associated Lab Samples: 10306433001, 10306433002, 10306433003, 10306433004, 10306433005, 10306433006, 10306433007, 10306433008, 10306433009, 10306433010, 10306433011

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Arsenic	mg/kg	ND	0.41	05/28/15 03:33	
Barium	mg/kg	ND	0.24	05/28/15 03:33	
Cadmium	mg/kg	ND	0.065	05/28/15 03:33	
Chromium	mg/kg	ND	0.41	05/28/15 03:33	
Lead	mg/kg	ND	0.081	05/28/15 03:33	
Selenium	mg/kg	ND	0.41	05/28/15 03:33	
Silver	mg/kg	ND	0.41	05/28/15 03:33	

LABORATORY CONTROL SAMPLE: 1966689

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Arsenic	mg/kg	14.2	13.6	96	80-120	
Barium	mg/kg	14.2	14.1	99	80-120	
Cadmium	mg/kg	14.2	13.9	98	80-120	
Chromium	mg/kg	14.2	14.2	100	80-120	
Lead	mg/kg	14.2	14.4	101	80-120	
Selenium	mg/kg	14.2	13.8	98	80-120	
Silver	mg/kg	14.2	14.2	100	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1966690 1966691

Parameter	Units	10306433001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Arsenic	mg/kg	2.5	19.8	20.4	23.4	23.3	106	102	75-125	1	20	
Barium	mg/kg	131	19.8	20.4	78.4	76.8	-265	-266	75-125	2	20	M6
Cadmium	mg/kg	ND	19.8	20.4	20.6	20.8	104	102	75-125	1	20	
Chromium	mg/kg	24.7	19.8	20.4	46.0	47.2	107	110	75-125	3	20	
Lead	mg/kg	3.0	19.8	20.4	23.9	23.8	105	102	75-125	0	20	
Selenium	mg/kg	ND	19.8	20.4	20.0	20.6	99	100	75-125	3	20	
Silver	mg/kg	ND	19.8	20.4	20.5	20.9	103	103	75-125	2	20	

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REPORT OF LABORATORY ANALYSIS

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(612)607-1700

QUALITY CONTROL DATA

Project: 062175-05-01_PCC_Site Investig
Pace Project No.: 10306433

QC Batch: MPRP/54512 Analysis Method: ASTM D2974
QC Batch Method: ASTM D2974 Analysis Description: Dry Weight/Percent Moisture
Associated Lab Samples: 10306433001, 10306433002, 10306433003, 10306433004, 10306433005, 10306433006, 10306433007, 10306433008, 10306433009, 10306433010, 10306433011

SAMPLE DUPLICATE: 1969022

Parameter	Units	10306445007 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	11.5	11.3	2	30	

SAMPLE DUPLICATE: 1969110

Parameter	Units	10306433001 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	10.7	10.3	3	30	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
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(612)607-1700

QUALITY CONTROL DATA

Project: 062175-05-01_PCC_Site Investig
Pace Project No.: 10306433

QC Batch: MSV/31445 Analysis Method: EPA 8260B
QC Batch Method: EPA 5035 Low Analysis Description: 8260B MSV 5035 Low Level
Associated Lab Samples: 10306433001, 10306433002, 10306433003, 10306433004, 10306433005, 10306433006, 10306433007, 10306433008, 10306433009, 10306433010, 10306433011, 10306433012

METHOD BLANK: 1966846 Matrix: Solid
Associated Lab Samples: 10306433001, 10306433002, 10306433003, 10306433004, 10306433005, 10306433006, 10306433007, 10306433008, 10306433009, 10306433010, 10306433011, 10306433012

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	mg/kg	ND	0.0040	05/21/15 18:14	
1,1,1-Trichloroethane	mg/kg	ND	0.0040	05/21/15 18:14	
1,1,2,2-Tetrachloroethane	mg/kg	ND	0.0040	05/21/15 18:14	
1,1,2-Trichloroethane	mg/kg	ND	0.0040	05/21/15 18:14	
1,1,2-Trichlorotrifluoroethane	mg/kg	ND	0.0040	05/21/15 18:14	
1,1-Dichloroethane	mg/kg	ND	0.0040	05/21/15 18:14	
1,1-Dichloroethene	mg/kg	ND	0.0040	05/21/15 18:14	
1,1-Dichloropropene	mg/kg	ND	0.0040	05/21/15 18:14	
1,2,3-Trichlorobenzene	mg/kg	ND	0.0040	05/21/15 18:14	
1,2,3-Trichloropropane	mg/kg	ND	0.0040	05/21/15 18:14	
1,2,4-Trichlorobenzene	mg/kg	ND	0.0040	05/21/15 18:14	
1,2,4-Trimethylbenzene	mg/kg	ND	0.0040	05/21/15 18:14	
1,2-Dibromo-3-chloropropane	mg/kg	ND	0.010	05/21/15 18:14	
1,2-Dibromoethane (EDB)	mg/kg	ND	0.0040	05/21/15 18:14	
1,2-Dichlorobenzene	mg/kg	ND	0.0040	05/21/15 18:14	
1,2-Dichloroethane	mg/kg	ND	0.0040	05/21/15 18:14	
1,2-Dichloroethene (Total)	mg/kg	ND	0.0080	05/21/15 18:14	
1,2-Dichloropropane	mg/kg	ND	0.0040	05/21/15 18:14	
1,3,5-Trimethylbenzene	mg/kg	ND	0.0040	05/21/15 18:14	
1,3-Dichlorobenzene	mg/kg	ND	0.0040	05/21/15 18:14	
1,3-Dichloropropane	mg/kg	ND	0.0040	05/21/15 18:14	
1,4-Dichlorobenzene	mg/kg	ND	0.0040	05/21/15 18:14	
2,2-Dichloropropane	mg/kg	ND	0.010	05/21/15 18:14	
2-Butanone (MEK)	mg/kg	ND	0.020	05/21/15 18:14	
2-Chlorotoluene	mg/kg	ND	0.0040	05/21/15 18:14	
2-Hexanone	mg/kg	ND	0.020	05/21/15 18:14	
4-Chlorotoluene	mg/kg	ND	0.0040	05/21/15 18:14	
4-Methyl-2-pentanone (MIBK)	mg/kg	ND	0.020	05/21/15 18:14	
Acetone	mg/kg	ND	0.020	05/21/15 18:14	
Benzene	mg/kg	ND	0.0040	05/21/15 18:14	
Bromobenzene	mg/kg	ND	0.0040	05/21/15 18:14	
Bromochloromethane	mg/kg	ND	0.0040	05/21/15 18:14	
Bromodichloromethane	mg/kg	ND	0.0040	05/21/15 18:14	
Bromoform	mg/kg	ND	0.020	05/21/15 18:14	
Bromomethane	mg/kg	ND	0.020	05/21/15 18:14	
Carbon disulfide	mg/kg	ND	0.0040	05/21/15 18:14	
Carbon tetrachloride	mg/kg	ND	0.0040	05/21/15 18:14	
Chlorobenzene	mg/kg	ND	0.0040	05/21/15 18:14	
Chloroethane	mg/kg	ND	0.010	05/21/15 18:14	
Chloroform	mg/kg	ND	0.0040	05/21/15 18:14	

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REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: 062175-05-01_PCC_Site Investig
Pace Project No.: 10306433

METHOD BLANK: 1966846 Matrix: Solid

Associated Lab Samples: 10306433001, 10306433002, 10306433003, 10306433004, 10306433005, 10306433006, 10306433007, 10306433008, 10306433009, 10306433010, 10306433011, 10306433012

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Chloromethane	mg/kg	ND	0.010	05/21/15 18:14	
cis-1,2-Dichloroethene	mg/kg	ND	0.0040	05/21/15 18:14	
cis-1,3-Dichloropropene	mg/kg	ND	0.0040	05/21/15 18:14	
Dibromochloromethane	mg/kg	ND	0.0040	05/21/15 18:14	
Dibromomethane	mg/kg	ND	0.0040	05/21/15 18:14	
Dichlorodifluoromethane	mg/kg	ND	0.010	05/21/15 18:14	
Dichlorofluoromethane	mg/kg	ND	0.0040	05/21/15 18:14	
Ethylbenzene	mg/kg	ND	0.0040	05/21/15 18:14	
Hexachloro-1,3-butadiene	mg/kg	ND	0.010	05/21/15 18:14	
Isopropylbenzene (Cumene)	mg/kg	ND	0.0040	05/21/15 18:14	
m&p-Xylene	mg/kg	ND	0.0080	05/21/15 18:14	
Methyl-tert-butyl ether	mg/kg	ND	0.0040	05/21/15 18:14	
Methylene Chloride	mg/kg	ND	0.020	05/21/15 18:14	
n-Butylbenzene	mg/kg	ND	0.0040	05/21/15 18:14	
n-Propylbenzene	mg/kg	ND	0.0040	05/21/15 18:14	
Naphthalene	mg/kg	ND	0.010	05/21/15 18:14	
o-Xylene	mg/kg	ND	0.0040	05/21/15 18:14	
p-Isopropyltoluene	mg/kg	ND	0.0040	05/21/15 18:14	
sec-Butylbenzene	mg/kg	ND	0.0040	05/21/15 18:14	
Styrene	mg/kg	ND	0.0040	05/21/15 18:14	
tert-Butylbenzene	mg/kg	ND	0.0040	05/21/15 18:14	
Tetrachloroethene	mg/kg	ND	0.0040	05/21/15 18:14	
Toluene	mg/kg	ND	0.0040	05/21/15 18:14	
trans-1,2-Dichloroethene	mg/kg	ND	0.0040	05/21/15 18:14	
trans-1,3-Dichloropropene	mg/kg	ND	0.0040	05/21/15 18:14	
Trichloroethene	mg/kg	ND	0.0040	05/21/15 18:14	
Trichlorofluoromethane	mg/kg	ND	0.010	05/21/15 18:14	
Vinyl chloride	mg/kg	ND	0.0040	05/21/15 18:14	
Xylene (Total)	mg/kg	ND	0.012	05/21/15 18:14	
1,2-Dichloroethane-d4 (S)	%.	92	30-150	05/21/15 18:14	
4-Bromofluorobenzene (S)	%.	104	30-150	05/21/15 18:14	
Toluene-d8 (S)	%.	102	30-150	05/21/15 18:14	

LABORATORY CONTROL SAMPLE & LCSD: 1966847 1966848

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
1,1,1,2-Tetrachloroethane	mg/kg	.02	0.020	0.019	99	96	75-125	3	20	
1,1,1-Trichloroethane	mg/kg	.02	0.019	0.018	93	92	67-125	2	20	
1,1,2,2-Tetrachloroethane	mg/kg	.02	0.020	0.019	100	97	70-125	4	20	
1,1,2-Trichloroethane	mg/kg	.02	0.021	0.020	104	100	75-125	4	20	
1,1,2-Trichlorotrifluoroethane	mg/kg	.02	0.016	0.016	78	78	59-127	1	20	
1,1-Dichloroethane	mg/kg	.02	0.020	0.019	99	95	62-128	4	20	
1,1-Dichloroethene	mg/kg	.02	0.017	0.016	84	81	60-132	3	20	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
1700 Elm Street - Suite 200
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QUALITY CONTROL DATA

Project: 062175-05-01_PCC_Site Investig
Pace Project No.: 10306433

LABORATORY CONTROL SAMPLE & LCSD: 1966847 1966848

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
1,1-Dichloropropene	mg/kg	.02	0.018	0.018	91	92	63-126	1	20	
1,2,3-Trichlorobenzene	mg/kg	.02	0.019	0.019	94	95	58-125	2	20	
1,2,3-Trichloropropane	mg/kg	.02	0.021	0.020	104	100	72-125	4	20	
1,2,4-Trichlorobenzene	mg/kg	.02	0.018	0.017	89	87	61-125	3	20	
1,2,4-Trimethylbenzene	mg/kg	.02	0.019	0.019	94	94	73-125	1	20	
1,2-Dibromo-3-chloropropane	mg/kg	.05	0.049	0.045	98	90	58-126	9	20	
1,2-Dibromoethane (EDB)	mg/kg	.02	0.020	0.020	101	99	74-125	2	20	
1,2-Dichlorobenzene	mg/kg	.02	0.020	0.019	98	94	74-125	4	20	
1,2-Dichloroethane	mg/kg	.02	0.020	0.019	98	95	69-125	3	20	
1,2-Dichloroethene (Total)	mg/kg	.04	0.037	0.036	92	90	73-125	2	20	
1,2-Dichloropropane	mg/kg	.02	0.020	0.020	99	98	69-125	1	20	
1,3,5-Trimethylbenzene	mg/kg	.02	0.018	0.019	92	93	70-125	1	20	
1,3-Dichlorobenzene	mg/kg	.02	0.019	0.019	93	93	74-125	1	20	
1,3-Dichloropropane	mg/kg	.02	0.020	0.019	101	95	75-125	5	20	
1,4-Dichlorobenzene	mg/kg	.02	0.018	0.018	92	92	72-125	0	20	
2,2-Dichloropropane	mg/kg	.02	0.018	0.017	91	87	56-131	4	20	
2-Butanone (MEK)	mg/kg	.1	0.092	0.084	92	84	46-133	9	20	
2-Chlorotoluene	mg/kg	.02	0.019	0.019	96	96	71-125	1	20	
2-Hexanone	mg/kg	.1	0.094	0.089	94	89	62-125	5	20	
4-Chlorotoluene	mg/kg	.02	0.019	0.019	93	93	73-125	0	20	
4-Methyl-2-pentanone (MIBK)	mg/kg	.1	0.095	0.091	95	91	57-125	4	20	
Acetone	mg/kg	.1	0.10	0.096	105	96	64-130	8	20	
Benzene	mg/kg	.02	0.018	0.018	90	88	66-125	2	20	
Bromobenzene	mg/kg	.02	0.020	0.019	98	96	71-125	2	20	
Bromochloromethane	mg/kg	.02	0.020	0.019	100	97	71-125	3	20	
Bromodichloromethane	mg/kg	.02	0.019	0.019	97	96	74-125	1	20	
Bromoform	mg/kg	.02	ND	.018J	99	91	73-125		20	
Bromomethane	mg/kg	.02	0.023	0.022	113	108	58-150	5	20	
Carbon disulfide	mg/kg	.02	0.014	0.014	72	71	62-128	1	20	
Carbon tetrachloride	mg/kg	.02	0.019	0.019	97	95	66-125	2	20	
Chlorobenzene	mg/kg	.02	0.019	0.019	96	94	75-125	3	20	
Chloroethane	mg/kg	.02	0.023	0.022	113	110	59-144	3	20	
Chloroform	mg/kg	.02	0.019	0.019	93	93	71-125	0	20	
Chloromethane	mg/kg	.02	0.020	0.021	102	104	48-140	1	20	
cis-1,2-Dichloroethene	mg/kg	.02	0.019	0.019	95	95	72-125	1	20	
cis-1,3-Dichloropropene	mg/kg	.02	0.019	0.019	97	97	66-127	0	20	
Dibromochloromethane	mg/kg	.02	0.020	0.020	102	98	75-125	4	20	
Dibromomethane	mg/kg	.02	0.020	0.019	99	93	71-125	6	20	
Dichlorodifluoromethane	mg/kg	.02	0.019	0.018	96	91	30-139	6	20	
Dichlorofluoromethane	mg/kg	.02	0.021	0.022	105	112	30-150	6	20	
Ethylbenzene	mg/kg	.02	0.018	0.018	92	91	68-125	1	20	
Hexachloro-1,3-butadiene	mg/kg	.02	0.019	0.019	96	96	57-128	0	20	
Isopropylbenzene (Cumene)	mg/kg	.02	0.019	0.019	96	94	70-125	2	20	
m&p-Xylene	mg/kg	.04	0.038	0.037	95	93	69-125	2	20	
Methyl-tert-butyl ether	mg/kg	.02	0.020	0.019	100	95	65-125	5	20	
Methylene Chloride	mg/kg	.02	.019J	.017J	96	83	67-125		20	
n-Butylbenzene	mg/kg	.02	0.018	0.017	88	86	68-125	3	20	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
1700 Elm Street - Suite 200
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(612)607-1700

QUALITY CONTROL DATA

Project: 062175-05-01_PCC_Site Investig
Pace Project No.: 10306433

LABORATORY CONTROL SAMPLE & LCSD: 1966847 1966848

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
n-Propylbenzene	mg/kg	.02	0.019	0.019	95	94	70-125	0	20	
Naphthalene	mg/kg	.02	0.017	0.018	87	89	58-125	2	20	
o-Xylene	mg/kg	.02	0.018	0.018	92	92	73-125	0	20	
p-Isopropyltoluene	mg/kg	.02	0.017	0.017	87	86	70-125	1	20	
sec-Butylbenzene	mg/kg	.02	0.019	0.019	96	96	69-125	0	20	
Styrene	mg/kg	.02	0.019	0.019	96	95	72-125	1	20	
tert-Butylbenzene	mg/kg	.02	0.018	0.018	90	91	70-125	0	20	
Tetrachloroethene	mg/kg	.02	0.018	0.018	90	90	73-125	0	20	
Toluene	mg/kg	.02	0.018	0.018	90	89	68-125	1	20	
trans-1,2-Dichloroethene	mg/kg	.02	0.018	0.017	88	85	72-125	4	20	
trans-1,3-Dichloropropene	mg/kg	.02	0.020	0.019	99	96	74-125	4	20	
Trichloroethene	mg/kg	.02	0.017	0.017	87	87	75-125	0	20	
Trichlorofluoromethane	mg/kg	.02	0.018	0.018	92	92	55-140	0	20	
Vinyl chloride	mg/kg	.02	0.021	0.021	105	105	56-130	0	20	
Xylene (Total)	mg/kg	.06	0.056	0.056	94	93	71-125	1	20	
1,2-Dichloroethane-d4 (S)	%.				102	99	30-150			
4-Bromofluorobenzene (S)	%.				99	99	30-150			
Toluene-d8 (S)	%.				101	103	30-150			

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REPORT OF LABORATORY ANALYSIS

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

QUALIFIERS

Project: 062175-05-01_PCC_Site Investig
Pace Project No.: 10306433

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.

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

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit.

S - Surrogate

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

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

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

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

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

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

TNI - The NELAC Institute.

LABORATORIES

PASI-M Pace Analytical Services - Minneapolis

BATCH QUALIFIERS

Batch: MSV/31556

[M5] A matrix spike/matrix spike duplicate was not performed for this batch due to insufficient sample volume.

Batch: MSV/31557

[M5] A matrix spike/matrix spike duplicate was not performed for this batch due to insufficient sample volume.

Batch: MSV/31559

[M5] A matrix spike/matrix spike duplicate was not performed for this batch due to insufficient sample volume.

ANALYTE QUALIFIERS

C8 Result may be biased high due to carryover from previously analyzed sample.

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

L3 Analyte recovery in the laboratory control sample (LCS) exceeded QC limits. Analyte presence below reporting limits in associated samples. Results unaffected by high bias.

M6 Matrix spike and Matrix spike duplicate recovery not evaluated against control limits due to sample dilution.

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

METHOD CROSS REFERENCE TABLE

Project: 062175-05-01_PCC_Site Investig
Pace Project No.: 10306433

Parameter	Matrix	Analytical Method	Preparation Method
8260B MSV 5035 Low Level	Solid	SW-846 8260B	SW-846 5035A/5030B

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 062175-05-01_PCC_Site Investig
Pace Project No.: 10306433

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
10306433001	SO-062175-051215-JS-SB-3-3	EPA 3050	MPRP/54436	EPA 6020A	ICPM/24451
10306433002	SO-062175-051215-JS-SB-4-3	EPA 3050	MPRP/54436	EPA 6020A	ICPM/24451
10306433003	SO-062175-051215-JS-SB-5-3	EPA 3050	MPRP/54436	EPA 6020A	ICPM/24451
10306433004	SO-062175-051215-JS-SB-6-0.5	EPA 3050	MPRP/54436	EPA 6020A	ICPM/24451
10306433005	SO-062175-051215-JS-SB-7-2	EPA 3050	MPRP/54436	EPA 6020A	ICPM/24451
10306433006	SO-062175-051315-JS-SB-5-5	EPA 3050	MPRP/54436	EPA 6020A	ICPM/24451
10306433007	SO-062175-051315-JS-SB-5-10	EPA 3050	MPRP/54436	EPA 6020A	ICPM/24451
10306433008	SO-062175-051315-JS-SB-5-15	EPA 3050	MPRP/54436	EPA 6020A	ICPM/24451
10306433009	SO-062175-051315-JS-SB-6-5	EPA 3050	MPRP/54436	EPA 6020A	ICPM/24451
10306433010	SO-062175-051315-JS-SB-6-10	EPA 3050	MPRP/54436	EPA 6020A	ICPM/24451
10306433011	SO-062175-051315-JS-SB-6-13	EPA 3050	MPRP/54436	EPA 6020A	ICPM/24451
10306433001	SO-062175-051215-JS-SB-3-3	EPA 7471B	MERP/13560	EPA 7471B	MERC/15836
10306433002	SO-062175-051215-JS-SB-4-3	EPA 7471B	MERP/13560	EPA 7471B	MERC/15836
10306433003	SO-062175-051215-JS-SB-5-3	EPA 7471B	MERP/13560	EPA 7471B	MERC/15836
10306433004	SO-062175-051215-JS-SB-6-0.5	EPA 7471B	MERP/13560	EPA 7471B	MERC/15836
10306433005	SO-062175-051215-JS-SB-7-2	EPA 7471B	MERP/13560	EPA 7471B	MERC/15836
10306433006	SO-062175-051315-JS-SB-5-5	EPA 7471B	MERP/13560	EPA 7471B	MERC/15836
10306433007	SO-062175-051315-JS-SB-5-10	EPA 7471B	MERP/13560	EPA 7471B	MERC/15836
10306433008	SO-062175-051315-JS-SB-5-15	EPA 7471B	MERP/13560	EPA 7471B	MERC/15836
10306433009	SO-062175-051315-JS-SB-6-5	EPA 7471B	MERP/13560	EPA 7471B	MERC/15836
10306433010	SO-062175-051315-JS-SB-6-10	EPA 7471B	MERP/13560	EPA 7471B	MERC/15836
10306433011	SO-062175-051315-JS-SB-6-13	EPA 7471B	MERP/13560	EPA 7471B	MERC/15836
10306433001	SO-062175-051215-JS-SB-3-3	ASTM D2974	MPRP/54512		
10306433002	SO-062175-051215-JS-SB-4-3	ASTM D2974	MPRP/54512		
10306433003	SO-062175-051215-JS-SB-5-3	ASTM D2974	MPRP/54512		
10306433004	SO-062175-051215-JS-SB-6-0.5	ASTM D2974	MPRP/54512		
10306433005	SO-062175-051215-JS-SB-7-2	ASTM D2974	MPRP/54512		
10306433006	SO-062175-051315-JS-SB-5-5	ASTM D2974	MPRP/54512		
10306433007	SO-062175-051315-JS-SB-5-10	ASTM D2974	MPRP/54512		
10306433008	SO-062175-051315-JS-SB-5-15	ASTM D2974	MPRP/54512		
10306433009	SO-062175-051315-JS-SB-6-5	ASTM D2974	MPRP/54512		
10306433010	SO-062175-051315-JS-SB-6-10	ASTM D2974	MPRP/54512		
10306433011	SO-062175-051315-JS-SB-6-13	ASTM D2974	MPRP/54512		
10306433001	SO-062175-051215-JS-SB-3-3	EPA 5035 Low	MSV/31445	EPA 8260B	MSV/31557
10306433002	SO-062175-051215-JS-SB-4-3	EPA 5035 Low	MSV/31445	EPA 8260B	MSV/31556
10306433003	SO-062175-051215-JS-SB-5-3	EPA 5035 Low	MSV/31445	EPA 8260B	MSV/31557
10306433004	SO-062175-051215-JS-SB-6-0.5	EPA 5035 Low	MSV/31445	EPA 8260B	MSV/31559
10306433005	SO-062175-051215-JS-SB-7-2	EPA 5035 Low	MSV/31445	EPA 8260B	MSV/31559
10306433006	SO-062175-051315-JS-SB-5-5	EPA 5035 Low	MSV/31445	EPA 8260B	MSV/31557
10306433007	SO-062175-051315-JS-SB-5-10	EPA 5035 Low	MSV/31445	EPA 8260B	MSV/31557
10306433008	SO-062175-051315-JS-SB-5-15	EPA 5035 Low	MSV/31445	EPA 8260B	MSV/31557
10306433009	SO-062175-051315-JS-SB-6-5	EPA 5035 Low	MSV/31445	EPA 8260B	MSV/31556
10306433010	SO-062175-051315-JS-SB-6-10	EPA 5035 Low	MSV/31445	EPA 8260B	MSV/31556
10306433011	SO-062175-051315-JS-SB-6-13	EPA 5035 Low	MSV/31445	EPA 8260B	MSV/31556
10306433012	Trip Blank	EPA 5035 Low	MSV/31445	EPA 8260B	MSV/31557

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

10306433

Page : 1 Of 1

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company:	CRA	Report To:	cmcclelland@CRAworld.com	Attention:	Accounts Payable
Address:	20818 44th Ave W. Suite 190	Copy To:	jcloud@craworld.com	Company Name:	CRA
	Lynnwood, WA 98036	Copy To:	jsong@craworld.com	Address:	20818 44th Ave W, Lynnwood 98036
Email To:	cmcclelland@CRAworld.com	Purchase Order No.		Pace Quote Reference:	
Phone:	Fax	Client Project ID:	082175-05-01_PCC_Site Investigation	Pace Project Manager:	Jenni Gross
Requested Due Date/TAT:	10 Day (Standard)	Container Order Number:		Pace Profile #:	35203 #1

Regulatory Agency:

State / Location: Kent WA

Requested Analysis Filtered (Y/N)

ITEM #	SAMPLE ID (One Character per box. (A-Z, 0-9 / , -) Sample Ids must be unique)	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED START DATE	COLLECTED START TIME	COLLECTED END DATE	COLLECTED END TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H2SO4	HNO3	HCl	NaOH	Na2S2O3	Methanol	Terracore Kit	Y/N	Analyses Test: 5035/8260 VOCs	6020/7471 Total RCRA 8	Residual Chlorine (Y/N)	
1	SO-062175-052115-JS-SB-3-3			5/14/15	1030				6	1							1		X	X		001
2	SO-062175-052115-JS-SB-4-3			5/14/15	1140				6	1							1		X	X		002
3	SO-062175-052115-JS-SB-5-3			5/14/15	1210				6	1							1		X	X		003
4	SO-062175-052115-JS-SB-6-0.5			5/14/15	1220				6	1							1		X	X		004
5	SO-062175-052115-JS-SB-7-2			5/14/15	1330				6	1							1		X	X		005
6	SO-062175-051315-JS-SB-5-5			5/13/15	945				6	1							1		X	X		006
7	SB-062175-051315-JS-SB-5-10			5/13/15	920				6	1							1		X	X		007
8	SO-062175-051315-JS-SB-5-15			5/13/15	945				6	1							1		X	X		008
9	SO-062175-051315-JS-SB-6-5			5/13/15	1050				6	1							1		X	X		009
10	SO-062175-051315-JS-SB-6-10			5/13/15	1100				6	1							1		X	X		010
11	SO-062175-051315-JS-SB-6-13			5/13/15	1110				6	1							1		X	X		011
12	Trip Blank								4										X	Ø		012

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
	Jing Song	5/13/15	1530	PACE	5/13/15	1530	3.8	Y	N	Y

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Jing Song

SIGNATURE of SAMPLER: [signature] DATE Signed: 5/13/15

TEMP in C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)

Pace Analytical	Document Name: Sample Condition Upon Receipt Form	Document Revised: 23Feb2015 Page 1 of 1
	Document No.: F-MN-L-213-rev.19	Issuing Authority: Pace Minnesota Quality Office

Sample Condition Upon Receipt

Client Name: CRA

Project #: WO# : 10306433

10306433

Courier: ☒ Fed Ex ☐ UPS ☐ USPS ☐ Client ☐ Commercial ☒ Pace ☐ SpeeDee ☐ Other:

Tracking Number: 5779 5333 3602

Custody Seal on Cooler/Box Present? ☒ Yes ☐ No Seals Intact? ☒ Yes ☐ No

Optional: Proj. Due Date: Proj. Name:

Packing Material: ☐ Bubble Wrap ☐ Bubble Bags ☐ None ☐ Other: Temp Blank? ☒ Yes ☐ No

Thermometer Used: ☒ 888A9130516413 ☐ 888A912167504 ☐ 888A0143310098 Type of Ice: ☒ Wet ☐ Blue ☐ None ☐ Samples on ice, cooling process has begun

Cooler Temp Read (°C): 1.1 Cooler Temp Corrected (°C): 1.4 Biological Tissue Frozen? ☐ Yes ☐ No ☒ N/A

Temp should be above freezing to 6°C Correction Factor: +0.3 Date and Initials of Person Examining Contents: 5-14-15 SL

USDA Regulated Soil (☐ N/A, water sample)

Did samples originate in a quarantine zone within the United States: AL, AR, AZ, CA, FL, GA, ID, LA, MS, NC, NM, NY, OK, OR, SC, TN, TX or WA (check maps)? ☒ Yes ☐ No

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

If Yes to either question, fill out a Regulated Soil Checklist (F-MN-Q-338) and include with SCUR/COC paperwork.

				COMMENTS:
Chain of Custody Present?	☒ Yes	☐ No	☐ N/A	1.
Chain of Custody Filled Out?	☒ Yes	☐ No	☐ N/A	2.
Chain of Custody Relinquished?	☒ Yes	☐ No	☐ N/A	3.
Sampler Name and/or Signature on COC?	☒ Yes	☐ No	☐ N/A	4.
Samples Arrived within Hold Time?	☒ Yes	☐ No	☐ N/A	5.
Short Hold Time Analysis (<72 hr)?	☐ Yes	☒ No	☐ N/A	6.
Rush Turn Around Time Requested?	☐ Yes	☒ No	☐ N/A	7.
Sufficient Volume?	☒ Yes	☐ No	☐ N/A	8.
Correct Containers Used?	☒ Yes	☐ No	☐ N/A	9.
-Pace Containers Used?	☒ Yes	☐ No	☐ N/A	
Containers Intact?	☒ Yes	☐ No	☐ N/A	10.
Filtered Volume Received for Dissolved Tests?	☐ Yes	☐ No	☒ N/A	11. Note if sediment is visible in the dissolved container
Sample Labels Match COC? -Includes Date/Time/ID/Analysis Matrix: SL	☒ Yes	☐ No	☐ N/A	12.
All containers needing acid/base preservation have been checked?	☐ Yes	☐ No	☒ N/A	13. ☐ HNO_3 ☐ H_2SO_4 ☐ NaOH ☐ HCl Sample #
All containers needing preservation are found to be in compliance with EPA recommendation? (HNO_3, H_2SO_4, HCl<2; NaOH >9 Sulfide, NaOH>12 Cyanide) Exceptions: ~~VOA~~, Coliform, TOC, Oil and Grease, DRO/8015 (water) DOC	☐ Yes ☒ Yes	☐ No ☐ No	☐ N/A ☐ N/A	Initial when completed: Lot # of added preservative:
Headspace in VOA Vials (>6mm)?	☐ Yes	☐ No	☒ N/A	14.
Trip Blank Present?	☒ Yes	☐ No	☐ N/A	15.
Trip Blank Custody Seals Present?	☐ Yes	☒ No	☐ N/A	
Pace Trip Blank Lot # (if purchased):				

CLIENT NOTIFICATION/RESOLUTION

Field Data Required? ☐ Yes ☒ No

Person Contacted: Date/Time:

Comments/Resolution:

Project Manager Review: ERIN GROSS Date: 5/15/15

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEHNR Certification Office (i.e out of hold, incorrect preservative, out of temp, incorrect containers).

Pace Analytical	Document Name: Regulated Soil Checklist	Document Revised: 13Feb2015 Page 1 of 1
	Document No.: F-MN-Q-338-Rev.00	Issuing Authority: Pace Minnesota Quality Office

10306433

USDA REGULATED AND DOMESTIC SOIL CHECKLIST

To Be Completed by SR Staff:

Project: 062175-05-01 PCC Silt Date: 5-14-15 Initials: CMB for WDM

Sample Origin (circle one): (DOMESTIC) FOREIGN

(Note: soil samples from Hawaii and Puerto Rico are considered to be of a Foreign Source)

If Domestic, circle State of Origin: AL AR AZ CA FL GA ID LA MS NC NM NY OK OR SC TN TX (WA)

If Foreign, list County of Origin: _____

REQUIREMENT	ACTION	COMPLETED
"Special Handling" stickers are to be placed on all samples.	Did "special handling" stickers get placed on all sample containers?	(YES) NO
Samples must be segregated and stored in designated bins, shelves and coolers.	Were samples placed in a designated cooler, containers and shelves?	(YES) NO
Samples must be double contained to prevent accidental release.	Were there any signs of breakage or leakage (check for broken glass and/or loose soil in the cooler)? *If NO, ice and melt water can be disposed of by normal process (down the drain).*	YES (NO)
	If YES, were ice and melt water separated from the cooler and disposed of properly?	YES NO (N/A)
	Any broken glass and/or loose soil are to be bagged and placed in a USDA Regulated satellite container or active drum (see Waste Coordinator). **Ice and melt water should be baked at a temperature range of 121-154°F for 2 hours and then cooled before going down the drain.**	
Equipment and supplies that have come into contact samples must be decontaminated.	Was the cooler(s) and/or countertop(s) decontaminated using either a fresh 10% bleach solution or 70% ethanol? *(Gloves and other lab supplies will be bagged and placed in the SR USDA Regulated satellite container).*	(YES) NO

To Be Completed by PM/PC:

Sample Analysis to be conducted (circle all that apply): (MN) Subcontract Lab

Name of Subcontract Lab: _____

REQUIREMENT	ACTION	COMPLETED
Permission to ship untreated soil must be on file prior to shipping to any subcontract lab, including IR Pace Labs.	Go to: J:\SHARE\PRJ_MGR\10_Client Services Department Documents\Regulated Soils Permits – If permission to ship letter is not there, contact the Waste Coordinator.	YES NO (N/A)
Shipment must include a valid copy of the receiving lab's permit as well as permission to ship letter.	Is a copy of all needed paperwork included with the COC? Do NOT ship samples until all necessary paperwork is compiled.	YES NO (N/A)

Comments: _____

Project Manager Signature: Jenn Gross Date: 5/15/15

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

June 02, 2015

Christina McClelland
CRA
20818 44th Ave W
Suite 190
Lynnwood, WA 98036

RE: Project: 062175-05-01_PCC_Site Investig
Pace Project No.: 10306445

Dear Christina McClelland:
Enclosed are the analytical results for sample(s) received by the laboratory on May 14, 2015. The results relate only to the samples included in this report. Results reported herein conform to the most current TNI 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,

Jennifer Gross
jennifer.gross@pacelabs.com
Project Manager

Enclosures

cc: Jeffrey Cloud, Conestoga-Rovers Association
Jesse Orth, CRA
Jing Song, CRA

Pace Analytical Services, Inc.
1700 Elm Street - Suite 200
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CERTIFICATIONS

Project: 062175-05-01_PCC_Site Investig
Pace Project No.: 10306445

Minnesota Certification IDs

1700 Elm Street SE Suite 200, Minneapolis, MN 55414
A2LA Certification #: 2926.01
Alaska Certification #: UST-078
Alaska Certification #MN00064
Alabama Certification #40770
Arizona Certification #: AZ-0014
Arkansas Certification #: 88-0680
California Certification #: 01155CA
Colorado Certification #Pace
Connecticut Certification #: PH-0256
EPA Region 8 Certification #: 8TMS-L
Florida/NELAP Certification #: E87605
Guam Certification #:14-008r
Georgia Certification #: 959
Georgia EPD #: Pace
Idaho Certification #: MN00064
Hawaii Certification #MN00064
Illinois Certification #: 200011
Indiana Certification#C-MN-01
Iowa Certification #: 368
Kansas Certification #: E-10167
Kentucky Dept of Envi. Protection - DW #90062
Kentucky Dept of Envi. Protection - WW #:90062
Louisiana DEQ Certification #: 3086
Louisiana DHH #: LA140001
Maine Certification #: 2013011
Maryland Certification #: 322
Michigan DEPH Certification #: 9909
Minnesota Certification #: 027-053-137
Mississippi Certification #: Pace
Montana Certification #: MT0092
Nevada Certification #: MN_00064
Nebraska Certification #: Pace
New Jersey Certification #: MN-002
New York Certification #: 11647
North Carolina Certification #: 530
North Carolina State Public Health #: 27700
North Dakota Certification #: R-036
Ohio EPA #: 4150
Ohio VAP Certification #: CL101
Oklahoma Certification #: 9507
Oregon Certification #: MN200001
Oregon Certification #: MN300001
Pennsylvania Certification #: 68-00563
Puerto Rico Certification
Saipan (CNMI) #:MP0003
South Carolina #:74003001
Texas Certification #: T104704192
Tennessee Certification #: 02818
Utah Certification #: MN000642013-4
Virginia DGS Certification #: 251
Virginia/VELAP Certification #: Pace
Washington Certification #: C486
West Virginia Certification #: 382
West Virginia DHHR #:9952C
Wisconsin Certification #: 999407970

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SAMPLE SUMMARY

Project: 062175-05-01_PCC_Site Investig
Pace Project No.: 10306445

Lab ID	Sample ID	Matrix	Date Collected	Date Received
10306445001	**SO-062175-051315-JS-SB-3-5**	Solid	05/13/15 12:50	05/14/15 15:30
10306445002	**SO-062175-051315-JS-SB-3-10**	Solid	05/13/15 13:00	05/14/15 15:30
10306445003	**SO-062175-051315-JS-SB-3-14**	Solid	05/13/15 13:10	05/14/15 15:30
10306445004	**SO-062175-051315-JS-SB-4-5**	Solid	05/13/15 14:00	05/14/15 15:30
10306445005	**SO-062175-051315-JS-SB-4-10**	Solid	05/13/15 14:10	05/14/15 15:30
10306445006	**SO-062175-051315-JS-SB-4-15**	Solid	05/13/15 14:50	05/14/15 15:30
10306445007	**SO-062175-051315-JS-SB-2-5**	Solid	05/13/15 15:00	05/14/15 15:30

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SAMPLE ANALYTE COUNT

Project: 062175-05-01_PCC_Site Investig
Pace Project No.: 10306445

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
10306445001	SO-062175-051315-JS-SB-3-5	EPA 6020A	RJS	7	PASI-M
		EPA 7471B	LMW	1	PASI-M
		ASTM D2974	JDL	1	PASI-M
		EPA 8260B	SH2	72	PASI-M
10306445002	SO-062175-051315-JS-SB-3-10	EPA 6020A	RJS	7	PASI-M
		EPA 7471B	LMW	1	PASI-M
		ASTM D2974	JDL	1	PASI-M
		EPA 8260B	SH2	72	PASI-M
10306445003	SO-062175-051315-JS-SB-3-14	EPA 6020A	RJS	7	PASI-M
		EPA 7471B	LMW	1	PASI-M
		ASTM D2974	JDL	1	PASI-M
		EPA 8260B	SH2	72	PASI-M
10306445004	SO-062175-051315-JS-SB-4-5	EPA 6020A	RJS	7	PASI-M
		EPA 7471B	LMW	1	PASI-M
		ASTM D2974	JDL	1	PASI-M
		EPA 8260B	SH2	72	PASI-M
10306445005	SO-062175-051315-JS-SB-4-10	EPA 6020A	RJS	7	PASI-M
		EPA 7471B	LMW	1	PASI-M
		ASTM D2974	JDL	1	PASI-M
		EPA 8260B	SH2	72	PASI-M
10306445006	SO-062175-051315-JS-SB-4-15	EPA 6020A	RJS	7	PASI-M
		EPA 7471B	LMW	1	PASI-M
		ASTM D2974	JDL	1	PASI-M
		EPA 8260B	SH2	72	PASI-M
10306445007	SO-062175-051315-JS-SB-2-5	EPA 6020A	RJS	7	PASI-M
		EPA 7471B	LMW	1	PASI-M
		ASTM D2974	JDL	1	PASI-M
		EPA 8260B	SH2	72	PASI-M

Pace Analytical Services, Inc.
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PROJECT NARRATIVE

Project: 062175-05-01_PCC_Site Investig
Pace Project No.: 10306445

Method: **EPA 6020A**
Description: 6020A MET ICPMS
Client: CRA_PCC Aerostructures
Date: June 02, 2015

General Information:
7 samples were analyzed for EPA 6020A. All samples were received in acceptable condition with any exceptions noted below.

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 3050 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.

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: MPRP/54436

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 10306433001

M6: Matrix spike and Matrix spike duplicate recovery not evaluated against control limits due to sample dilution.

- MS (Lab ID: 1966690)
  - Barium
- MSD (Lab ID: 1966691)
  - Barium

Additional Comments:

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

PROJECT NARRATIVE

Project: 062175-05-01_PCC_Site Investig
Pace Project No.: 10306445

Method: **EPA 7471B**
Description: 7471B Mercury
Client: CRA_PCC Aerostructures
Date: June 02, 2015

General Information:
7 samples were analyzed for EPA 7471B. All samples were received in acceptable condition with any exceptions noted below.

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

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

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

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

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

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

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

Additional Comments:

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PROJECT NARRATIVE

Project: 062175-05-01_PCC_Site Investig
Pace Project No.: 10306445

Method: **EPA 8260B**
Description: 8260B MSV 5035 Low Level
Client: CRA_PCC Aerostructures
Date: June 02, 2015

General Information:
7 samples were analyzed for EPA 8260B. All samples were received in acceptable condition with any exceptions noted below.

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

H1: Analysis conducted outside the recognized method holding time.
- SO-062175-051315-JS-SB-2-5 (Lab ID: 10306445007)

H2: Extraction or preparation was conducted outside of the recognized method holding time.
- SO-062175-051315-JS-SB-2-5 (Lab ID: 10306445007)

Sample Preparation:
The samples were prepared in accordance with EPA 5035 Low with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

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

QC Batch: MSV/31585

CH: The continuing calibration for this compound is outside of Pace Analytical acceptance limits. The results may be biased high.
- LCS (Lab ID: 1978583)
  - 1,1,2-Trichlorotrifluoroethane
- LCSD (Lab ID: 1978584)
  - 1,1,2-Trichlorotrifluoroethane

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

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

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

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

QC Batch: MSV/31585

L0: Analyte recovery in the laboratory control sample (LCS) was outside QC limits.
- LCS (Lab ID: 1978583)
  - 1,1,2-Trichlorotrifluoroethane
  - Methylene Chloride

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PROJECT NARRATIVE

Project: 062175-05-01_PCC_Site Investig
Pace Project No.: 10306445

Method: **EPA 8260B**
Description: 8260B MSV 5035 Low Level
Client: CRA_PCC Aerostructures
Date: June 02, 2015

QC Batch: MSV/31585

L0: Analyte recovery in the laboratory control sample (LCS) was outside QC limits.

- LCSD (Lab ID: 1978584)
  - 1,1,2-Trichlorotrifluoroethane
  - Methylene Chloride

Matrix Spikes:

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

QC Batch: MSV/31445

A matrix spike/matrix spike duplicate was not performed due to insufficient sample volume.

QC Batch: MSV/31585

A matrix spike/matrix spike duplicate was not performed due to insufficient sample volume.

Additional Comments:

Analyte Comments:

QC Batch: MSV/31445

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

- SO-062175-051315-JS-SB-4-10 (Lab ID: 10306445005)
  - cis-1,2-Dichloroethene
- SO-062175-051315-JS-SB-4-5 (Lab ID: 10306445004)
  - 1,1-Dichloroethane
  - 1,1-Dichloroethene
  - 1,1,1-Trichloroethane

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

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ANALYTICAL RESULTS

Project: 062175-05-01_PCC_Site Investig
Pace Project No.: 10306445

Sample: SO-062175-051315-JS-SB-3-5 **Lab ID: 10306445001** Collected: 05/13/15 12:50 Received: 05/14/15 15:30 Matrix: Solid

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

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6020A MET ICPMS	Analytical Method: EPA 6020A Preparation Method: EPA 3050							
Arsenic	**4.8**	mg/kg	0.52	20	05/22/15 11:47	05/28/15 05:03	7440-38-2	
Barium	**89.4**	mg/kg	0.31	20	05/22/15 11:47	05/28/15 05:03	7440-39-3	
Cadmium	**0.12**	mg/kg	0.083	20	05/22/15 11:47	05/28/15 05:03	7440-43-9	
Chromium	**39.9**	mg/kg	0.52	20	05/22/15 11:47	05/28/15 05:03	7440-47-3	
Lead	**4.3**	mg/kg	0.10	20	05/22/15 11:47	05/28/15 05:03	7439-92-1	
Selenium	ND	mg/kg	0.52	20	05/22/15 11:47	05/28/15 05:03	7782-49-2	
Silver	ND	mg/kg	0.52	20	05/22/15 11:47	05/28/15 05:03	7440-22-4	
7471B Mercury	Analytical Method: EPA 7471B Preparation Method: EPA 7471B							
Mercury	**0.028**	mg/kg	0.022	1	05/22/15 14:02	05/24/15 17:41	7439-97-6	
Dry Weight	Analytical Method: ASTM D2974							
Percent Moisture	**13.3**	%	0.10	1		05/19/15 15:54		
8260B MSV 5035 Low Level	Analytical Method: EPA 8260B Preparation Method: EPA 5035 Low							
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.0043	1	05/21/15 12:00	05/22/15 13:35	630-20-6	
1,1,1-Trichloroethane	ND	mg/kg	0.0043	1	05/21/15 12:00	05/22/15 13:35	71-55-6	
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.0043	1	05/21/15 12:00	05/22/15 13:35	79-34-5	
1,1,2-Trichloroethane	ND	mg/kg	0.0043	1	05/21/15 12:00	05/22/15 13:35	79-00-5	
1,1,2-Trichlorotrifluoroethane	ND	mg/kg	0.0043	1	05/21/15 12:00	05/22/15 13:35	76-13-1	L3
1,1-Dichloroethane	ND	mg/kg	0.0043	1	05/21/15 12:00	05/22/15 13:35	75-34-3	
1,1-Dichloroethene	ND	mg/kg	0.0043	1	05/21/15 12:00	05/22/15 13:35	75-35-4	
1,1-Dichloropropene	ND	mg/kg	0.0043	1	05/21/15 12:00	05/22/15 13:35	563-58-6	
1,2,3-Trichlorobenzene	ND	mg/kg	0.0043	1	05/21/15 12:00	05/22/15 13:35	87-61-6	
1,2,3-Trichloropropane	ND	mg/kg	0.0043	1	05/21/15 12:00	05/22/15 13:35	96-18-4	
1,2,4-Trichlorobenzene	ND	mg/kg	0.0043	1	05/21/15 12:00	05/22/15 13:35	120-82-1	
1,2,4-Trimethylbenzene	ND	mg/kg	0.0043	1	05/21/15 12:00	05/22/15 13:35	95-63-6	
1,2-Dibromo-3-chloropropane	ND	mg/kg	0.011	1	05/21/15 12:00	05/22/15 13:35	96-12-8	
1,2-Dibromoethane (EDB)	ND	mg/kg	0.0043	1	05/21/15 12:00	05/22/15 13:35	106-93-4	
1,2-Dichlorobenzene	ND	mg/kg	0.0043	1	05/21/15 12:00	05/22/15 13:35	95-50-1	
1,2-Dichloroethane	ND	mg/kg	0.0043	1	05/21/15 12:00	05/22/15 13:35	107-06-2	
1,2-Dichloroethene (Total)	ND	mg/kg	0.0086	1	05/21/15 12:00	05/22/15 13:35	540-59-0	
1,2-Dichloropropane	ND	mg/kg	0.0043	1	05/21/15 12:00	05/22/15 13:35	78-87-5	
1,3,5-Trimethylbenzene	ND	mg/kg	0.0043	1	05/21/15 12:00	05/22/15 13:35	108-67-8	
1,3-Dichlorobenzene	ND	mg/kg	0.0043	1	05/21/15 12:00	05/22/15 13:35	541-73-1	
1,3-Dichloropropane	ND	mg/kg	0.0043	1	05/21/15 12:00	05/22/15 13:35	142-28-9	
1,4-Dichlorobenzene	ND	mg/kg	0.0043	1	05/21/15 12:00	05/22/15 13:35	106-46-7	
2,2-Dichloropropane	ND	mg/kg	0.011	1	05/21/15 12:00	05/22/15 13:35	594-20-7	
2-Butanone (MEK)	ND	mg/kg	0.021	1	05/21/15 12:00	05/22/15 13:35	78-93-3	
2-Chlorotoluene	ND	mg/kg	0.0043	1	05/21/15 12:00	05/22/15 13:35	95-49-8	
2-Hexanone	ND	mg/kg	0.021	1	05/21/15 12:00	05/22/15 13:35	591-78-6	
4-Chlorotoluene	ND	mg/kg	0.0043	1	05/21/15 12:00	05/22/15 13:35	106-43-4	
4-Methyl-2-pentanone (MIBK)	ND	mg/kg	0.021	1	05/21/15 12:00	05/22/15 13:35	108-10-1	
Acetone	**0.054**	mg/kg	0.021	1	05/21/15 12:00	05/22/15 13:35	67-64-1	
Benzene	ND	mg/kg	0.0043	1	05/21/15 12:00	05/22/15 13:35	71-43-2	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 062175-05-01_PCC_Site Investig
Pace Project No.: 10306445

Sample: SO-062175-051315-JS-SB-3-5 **Lab ID: 10306445001** Collected: 05/13/15 12:50 Received: 05/14/15 15:30 Matrix: Solid

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

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV 5035 Low Level	Analytical Method: EPA 8260B Preparation Method: EPA 5035 Low							
Bromobenzene	ND	mg/kg	0.0043	1	05/21/15 12:00	05/22/15 13:35	108-86-1	
Bromochloromethane	ND	mg/kg	0.0043	1	05/21/15 12:00	05/22/15 13:35	74-97-5	
Bromodichloromethane	ND	mg/kg	0.0043	1	05/21/15 12:00	05/22/15 13:35	75-27-4	
Bromoform	ND	mg/kg	0.021	1	05/21/15 12:00	05/22/15 13:35	75-25-2	
Bromomethane	ND	mg/kg	0.021	1	05/21/15 12:00	05/22/15 13:35	74-83-9	
Carbon disulfide	ND	mg/kg	0.0043	1	05/21/15 12:00	05/22/15 13:35	75-15-0	
Carbon tetrachloride	ND	mg/kg	0.0043	1	05/21/15 12:00	05/22/15 13:35	56-23-5	
Chlorobenzene	ND	mg/kg	0.0043	1	05/21/15 12:00	05/22/15 13:35	108-90-7	
Chloroethane	ND	mg/kg	0.011	1	05/21/15 12:00	05/22/15 13:35	75-00-3	
Chloroform	ND	mg/kg	0.0043	1	05/21/15 12:00	05/22/15 13:35	67-66-3	
Chloromethane	ND	mg/kg	0.011	1	05/21/15 12:00	05/22/15 13:35	74-87-3	
Dibromochloromethane	ND	mg/kg	0.0043	1	05/21/15 12:00	05/22/15 13:35	124-48-1	
Dibromomethane	ND	mg/kg	0.0043	1	05/21/15 12:00	05/22/15 13:35	74-95-3	
Dichlorodifluoromethane	ND	mg/kg	0.011	1	05/21/15 12:00	05/22/15 13:35	75-71-8	L3
Dichlorofluoromethane	ND	mg/kg	0.0043	1	05/21/15 12:00	05/22/15 13:35	75-43-4	
Ethylbenzene	ND	mg/kg	0.0043	1	05/21/15 12:00	05/22/15 13:35	100-41-4	
Hexachloro-1,3-butadiene	ND	mg/kg	0.011	1	05/21/15 12:00	05/22/15 13:35	87-68-3	
Isopropylbenzene (Cumene)	ND	mg/kg	0.0043	1	05/21/15 12:00	05/22/15 13:35	98-82-8	
Methyl-tert-butyl ether	ND	mg/kg	0.0043	1	05/21/15 12:00	05/22/15 13:35	1634-04-4	
Methylene Chloride	ND	mg/kg	0.021	1	05/21/15 12:00	05/22/15 13:35	75-09-2	
Naphthalene	ND	mg/kg	0.011	1	05/21/15 12:00	05/22/15 13:35	91-20-3	
Styrene	ND	mg/kg	0.0043	1	05/21/15 12:00	05/22/15 13:35	100-42-5	
Tetrachloroethene	ND	mg/kg	0.0043	1	05/21/15 12:00	05/22/15 13:35	127-18-4	
Toluene	ND	mg/kg	0.0043	1	05/21/15 12:00	05/22/15 13:35	108-88-3	
Trichloroethene	ND	mg/kg	0.0043	1	05/21/15 12:00	05/22/15 13:35	79-01-6	
Trichlorofluoromethane	ND	mg/kg	0.011	1	05/21/15 12:00	05/22/15 13:35	75-69-4	
Vinyl chloride	ND	mg/kg	0.0043	1	05/21/15 12:00	05/22/15 13:35	75-01-4	
Xylene (Total)	ND	mg/kg	0.013	1	05/21/15 12:00	05/22/15 13:35	1330-20-7	
cis-1,2-Dichloroethene	ND	mg/kg	0.0043	1	05/21/15 12:00	05/22/15 13:35	156-59-2	
cis-1,3-Dichloropropene	ND	mg/kg	0.0043	1	05/21/15 12:00	05/22/15 13:35	10061-01-5	
m&p-Xylene	ND	mg/kg	0.0086	1	05/21/15 12:00	05/22/15 13:35	179601-23-1	
n-Butylbenzene	ND	mg/kg	0.0043	1	05/21/15 12:00	05/22/15 13:35	104-51-8	
n-Propylbenzene	ND	mg/kg	0.0043	1	05/21/15 12:00	05/22/15 13:35	103-65-1	
o-Xylene	ND	mg/kg	0.0043	1	05/21/15 12:00	05/22/15 13:35	95-47-6	
p-Isopropyltoluene	ND	mg/kg	0.0043	1	05/21/15 12:00	05/22/15 13:35	99-87-6	
sec-Butylbenzene	ND	mg/kg	0.0043	1	05/21/15 12:00	05/22/15 13:35	135-98-8	
tert-Butylbenzene	ND	mg/kg	0.0043	1	05/21/15 12:00	05/22/15 13:35	98-06-6	
trans-1,2-Dichloroethene	ND	mg/kg	0.0043	1	05/21/15 12:00	05/22/15 13:35	156-60-5	
trans-1,3-Dichloropropene	ND	mg/kg	0.0043	1	05/21/15 12:00	05/22/15 13:35	10061-02-6	
Surrogates								
1,2-Dichloroethane-d4 (S)	112	%.	30-150	1	05/21/15 12:00	05/22/15 13:35	17060-07-0	
Toluene-d8 (S)	99	%.	30-150	1	05/21/15 12:00	05/22/15 13:35	2037-26-5	
4-Bromofluorobenzene (S)	107	%.	30-150	1	05/21/15 12:00	05/22/15 13:35	460-00-4	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 062175-05-01_PCC_Site Investig
Pace Project No.: 10306445

Sample: SO-062175-051315-JS-SB-3-10 **Lab ID: 10306445002** Collected: 05/13/15 13:00 Received: 05/14/15 15:30 Matrix: Solid

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

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6020A MET ICPMS	Analytical Method: EPA 6020A Preparation Method: EPA 3050							
Arsenic	**4.9**	mg/kg	0.45	20	05/22/15 11:47	05/28/15 05:08	7440-38-2	
Barium	**54.5**	mg/kg	0.27	20	05/22/15 11:47	05/28/15 05:08	7440-39-3	
Cadmium	ND	mg/kg	0.073	20	05/22/15 11:47	05/28/15 05:08	7440-43-9	
Chromium	**14.2**	mg/kg	0.45	20	05/22/15 11:47	05/28/15 05:08	7440-47-3	
Lead	**2.7**	mg/kg	0.091	20	05/22/15 11:47	05/28/15 05:08	7439-92-1	
Selenium	**0.57**	mg/kg	0.45	20	05/22/15 11:47	05/28/15 05:08	7782-49-2	
Silver	ND	mg/kg	0.45	20	05/22/15 11:47	05/28/15 05:08	7440-22-4	
7471B Mercury	Analytical Method: EPA 7471B Preparation Method: EPA 7471B							
Mercury	ND	mg/kg	0.022	1	05/22/15 14:02	05/24/15 17:43	7439-97-6	
Dry Weight	Analytical Method: ASTM D2974							
Percent Moisture	**23.0**	%	0.10	1		05/19/15 15:54		
8260B MSV 5035 Low Level	Analytical Method: EPA 8260B Preparation Method: EPA 5035 Low							
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.0048	1	05/21/15 12:00	05/22/15 13:54	630-20-6	
1,1,1-Trichloroethane	ND	mg/kg	0.0048	1	05/21/15 12:00	05/22/15 13:54	71-55-6	
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.0048	1	05/21/15 12:00	05/22/15 13:54	79-34-5	
1,1,2-Trichloroethane	ND	mg/kg	0.0048	1	05/21/15 12:00	05/22/15 13:54	79-00-5	
1,1,2-Trichlorotrifluoroethane	ND	mg/kg	0.0048	1	05/21/15 12:00	05/22/15 13:54	76-13-1	L3
1,1-Dichloroethane	ND	mg/kg	0.0048	1	05/21/15 12:00	05/22/15 13:54	75-34-3	
1,1-Dichloroethene	ND	mg/kg	0.0048	1	05/21/15 12:00	05/22/15 13:54	75-35-4	
1,1-Dichloropropene	ND	mg/kg	0.0048	1	05/21/15 12:00	05/22/15 13:54	563-58-6	
1,2,3-Trichlorobenzene	ND	mg/kg	0.0048	1	05/21/15 12:00	05/22/15 13:54	87-61-6	
1,2,3-Trichloropropane	ND	mg/kg	0.0048	1	05/21/15 12:00	05/22/15 13:54	96-18-4	
1,2,4-Trichlorobenzene	ND	mg/kg	0.0048	1	05/21/15 12:00	05/22/15 13:54	120-82-1	
1,2,4-Trimethylbenzene	ND	mg/kg	0.0048	1	05/21/15 12:00	05/22/15 13:54	95-63-6	
1,2-Dibromo-3-chloropropane	ND	mg/kg	0.012	1	05/21/15 12:00	05/22/15 13:54	96-12-8	
1,2-Dibromoethane (EDB)	ND	mg/kg	0.0048	1	05/21/15 12:00	05/22/15 13:54	106-93-4	
1,2-Dichlorobenzene	ND	mg/kg	0.0048	1	05/21/15 12:00	05/22/15 13:54	95-50-1	
1,2-Dichloroethane	ND	mg/kg	0.0048	1	05/21/15 12:00	05/22/15 13:54	107-06-2	
1,2-Dichloroethene (Total)	ND	mg/kg	0.0096	1	05/21/15 12:00	05/22/15 13:54	540-59-0	
1,2-Dichloropropane	ND	mg/kg	0.0048	1	05/21/15 12:00	05/22/15 13:54	78-87-5	
1,3,5-Trimethylbenzene	ND	mg/kg	0.0048	1	05/21/15 12:00	05/22/15 13:54	108-67-8	
1,3-Dichlorobenzene	ND	mg/kg	0.0048	1	05/21/15 12:00	05/22/15 13:54	541-73-1	
1,3-Dichloropropane	ND	mg/kg	0.0048	1	05/21/15 12:00	05/22/15 13:54	142-28-9	
1,4-Dichlorobenzene	ND	mg/kg	0.0048	1	05/21/15 12:00	05/22/15 13:54	106-46-7	
2,2-Dichloropropane	ND	mg/kg	0.012	1	05/21/15 12:00	05/22/15 13:54	594-20-7	
2-Butanone (MEK)	ND	mg/kg	0.024	1	05/21/15 12:00	05/22/15 13:54	78-93-3	
2-Chlorotoluene	ND	mg/kg	0.0048	1	05/21/15 12:00	05/22/15 13:54	95-49-8	
2-Hexanone	ND	mg/kg	0.024	1	05/21/15 12:00	05/22/15 13:54	591-78-6	
4-Chlorotoluene	ND	mg/kg	0.0048	1	05/21/15 12:00	05/22/15 13:54	106-43-4	
4-Methyl-2-pentanone (MIBK)	ND	mg/kg	0.024	1	05/21/15 12:00	05/22/15 13:54	108-10-1	
Acetone	**0.054**	mg/kg	0.024	1	05/21/15 12:00	05/22/15 13:54	67-64-1	
Benzene	ND	mg/kg	0.0048	1	05/21/15 12:00	05/22/15 13:54	71-43-2	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 062175-05-01_PCC_Site Investig
Pace Project No.: 10306445

Sample: SO-062175-051315-JS-SB-3-10 **Lab ID: 10306445002** Collected: 05/13/15 13:00 Received: 05/14/15 15:30 Matrix: Solid

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

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV 5035 Low Level	Analytical Method: EPA 8260B Preparation Method: EPA 5035 Low							
Bromobenzene	ND	mg/kg	0.0048	1	05/21/15 12:00	05/22/15 13:54	108-86-1	
Bromochloromethane	ND	mg/kg	0.0048	1	05/21/15 12:00	05/22/15 13:54	74-97-5	
Bromodichloromethane	ND	mg/kg	0.0048	1	05/21/15 12:00	05/22/15 13:54	75-27-4	
Bromoform	ND	mg/kg	0.024	1	05/21/15 12:00	05/22/15 13:54	75-25-2	
Bromomethane	ND	mg/kg	0.024	1	05/21/15 12:00	05/22/15 13:54	74-83-9	
Carbon disulfide	**0.0093**	mg/kg	0.0048	1	05/21/15 12:00	05/22/15 13:54	75-15-0	
Carbon tetrachloride	ND	mg/kg	0.0048	1	05/21/15 12:00	05/22/15 13:54	56-23-5	
Chlorobenzene	ND	mg/kg	0.0048	1	05/21/15 12:00	05/22/15 13:54	108-90-7	
Chloroethane	ND	mg/kg	0.012	1	05/21/15 12:00	05/22/15 13:54	75-00-3	
Chloroform	ND	mg/kg	0.0048	1	05/21/15 12:00	05/22/15 13:54	67-66-3	
Chloromethane	ND	mg/kg	0.012	1	05/21/15 12:00	05/22/15 13:54	74-87-3	
Dibromochloromethane	ND	mg/kg	0.0048	1	05/21/15 12:00	05/22/15 13:54	124-48-1	
Dibromomethane	ND	mg/kg	0.0048	1	05/21/15 12:00	05/22/15 13:54	74-95-3	
Dichlorodifluoromethane	ND	mg/kg	0.012	1	05/21/15 12:00	05/22/15 13:54	75-71-8	L3
Dichlorofluoromethane	ND	mg/kg	0.0048	1	05/21/15 12:00	05/22/15 13:54	75-43-4	
Ethylbenzene	ND	mg/kg	0.0048	1	05/21/15 12:00	05/22/15 13:54	100-41-4	
Hexachloro-1,3-butadiene	ND	mg/kg	0.012	1	05/21/15 12:00	05/22/15 13:54	87-68-3	
Isopropylbenzene (Cumene)	ND	mg/kg	0.0048	1	05/21/15 12:00	05/22/15 13:54	98-82-8	
Methyl-tert-butyl ether	ND	mg/kg	0.0048	1	05/21/15 12:00	05/22/15 13:54	1634-04-4	
Methylene Chloride	ND	mg/kg	0.024	1	05/21/15 12:00	05/22/15 13:54	75-09-2	
Naphthalene	ND	mg/kg	0.012	1	05/21/15 12:00	05/22/15 13:54	91-20-3	
Styrene	ND	mg/kg	0.0048	1	05/21/15 12:00	05/22/15 13:54	100-42-5	
Tetrachloroethene	ND	mg/kg	0.0048	1	05/21/15 12:00	05/22/15 13:54	127-18-4	
Toluene	ND	mg/kg	0.0048	1	05/21/15 12:00	05/22/15 13:54	108-88-3	
Trichloroethene	ND	mg/kg	0.0048	1	05/21/15 12:00	05/22/15 13:54	79-01-6	
Trichlorofluoromethane	ND	mg/kg	0.012	1	05/21/15 12:00	05/22/15 13:54	75-69-4	
Vinyl chloride	ND	mg/kg	0.0048	1	05/21/15 12:00	05/22/15 13:54	75-01-4	
Xylene (Total)	ND	mg/kg	0.014	1	05/21/15 12:00	05/22/15 13:54	1330-20-7	
cis-1,2-Dichloroethene	ND	mg/kg	0.0048	1	05/21/15 12:00	05/22/15 13:54	156-59-2	
cis-1,3-Dichloropropene	ND	mg/kg	0.0048	1	05/21/15 12:00	05/22/15 13:54	10061-01-5	
m&p-Xylene	ND	mg/kg	0.0096	1	05/21/15 12:00	05/22/15 13:54	179601-23-1	
n-Butylbenzene	ND	mg/kg	0.0048	1	05/21/15 12:00	05/22/15 13:54	104-51-8	
n-Propylbenzene	ND	mg/kg	0.0048	1	05/21/15 12:00	05/22/15 13:54	103-65-1	
o-Xylene	ND	mg/kg	0.0048	1	05/21/15 12:00	05/22/15 13:54	95-47-6	
p-Isopropyltoluene	ND	mg/kg	0.0048	1	05/21/15 12:00	05/22/15 13:54	99-87-6	
sec-Butylbenzene	ND	mg/kg	0.0048	1	05/21/15 12:00	05/22/15 13:54	135-98-8	
tert-Butylbenzene	ND	mg/kg	0.0048	1	05/21/15 12:00	05/22/15 13:54	98-06-6	
trans-1,2-Dichloroethene	ND	mg/kg	0.0048	1	05/21/15 12:00	05/22/15 13:54	156-60-5	
trans-1,3-Dichloropropene	ND	mg/kg	0.0048	1	05/21/15 12:00	05/22/15 13:54	10061-02-6	
Surrogates								
1,2-Dichloroethane-d4 (S)	115	%.	30-150	1	05/21/15 12:00	05/22/15 13:54	17060-07-0	
Toluene-d8 (S)	99	%.	30-150	1	05/21/15 12:00	05/22/15 13:54	2037-26-5	
4-Bromofluorobenzene (S)	102	%.	30-150	1	05/21/15 12:00	05/22/15 13:54	460-00-4	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
1700 Elm Street - Suite 200
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ANALYTICAL RESULTS

Project: 062175-05-01_PCC_Site Investig
Pace Project No.: 10306445

Sample: SO-062175-051315-JS-SB-3-14 **Lab ID: 10306445003** Collected: 05/13/15 13:10 Received: 05/14/15 15:30 Matrix: Solid

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

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6020A MET ICPMS	Analytical Method: EPA 6020A Preparation Method: EPA 3050							
Arsenic	**6.8**	mg/kg	0.65	20	05/22/15 11:47	05/28/15 05:27	7440-38-2	
Barium	**88.8**	mg/kg	0.39	20	05/22/15 11:47	05/28/15 05:27	7440-39-3	
Cadmium	**0.11**	mg/kg	0.10	20	05/22/15 11:47	05/28/15 05:27	7440-43-9	
Chromium	**20.9**	mg/kg	0.65	20	05/22/15 11:47	05/28/15 05:27	7440-47-3	
Lead	**5.2**	mg/kg	0.13	20	05/22/15 11:47	05/28/15 05:27	7439-92-1	
Selenium	**0.97**	mg/kg	0.65	20	05/22/15 11:47	05/28/15 05:27	7782-49-2	
Silver	ND	mg/kg	0.65	20	05/22/15 11:47	05/28/15 05:27	7440-22-4	
7471B Mercury	Analytical Method: EPA 7471B Preparation Method: EPA 7471B							
Mercury	**0.048**	mg/kg	0.025	1	05/22/15 14:02	05/24/15 17:45	7439-97-6	
Dry Weight	Analytical Method: ASTM D2974							
Percent Moisture	**32.3**	%	0.10	1		05/19/15 15:55		
8260B MSV 5035 Low Level	Analytical Method: EPA 8260B Preparation Method: EPA 5035 Low							
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.0054	1	05/21/15 12:00	05/22/15 14:13	630-20-6	
1,1,1-Trichloroethane	ND	mg/kg	0.0054	1	05/21/15 12:00	05/22/15 14:13	71-55-6	
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.0054	1	05/21/15 12:00	05/22/15 14:13	79-34-5	
1,1,2-Trichloroethane	ND	mg/kg	0.0054	1	05/21/15 12:00	05/22/15 14:13	79-00-5	
1,1,2-Trichlorotrifluoroethane	ND	mg/kg	0.0054	1	05/21/15 12:00	05/22/15 14:13	76-13-1	L3
1,1-Dichloroethane	ND	mg/kg	0.0054	1	05/21/15 12:00	05/22/15 14:13	75-34-3	
1,1-Dichloroethene	ND	mg/kg	0.0054	1	05/21/15 12:00	05/22/15 14:13	75-35-4	
1,1-Dichloropropene	ND	mg/kg	0.0054	1	05/21/15 12:00	05/22/15 14:13	563-58-6	
1,2,3-Trichlorobenzene	ND	mg/kg	0.0054	1	05/21/15 12:00	05/22/15 14:13	87-61-6	
1,2,3-Trichloropropane	ND	mg/kg	0.0054	1	05/21/15 12:00	05/22/15 14:13	96-18-4	
1,2,4-Trichlorobenzene	ND	mg/kg	0.0054	1	05/21/15 12:00	05/22/15 14:13	120-82-1	
1,2,4-Trimethylbenzene	ND	mg/kg	0.0054	1	05/21/15 12:00	05/22/15 14:13	95-63-6	
1,2-Dibromo-3-chloropropane	ND	mg/kg	0.014	1	05/21/15 12:00	05/22/15 14:13	96-12-8	
1,2-Dibromoethane (EDB)	ND	mg/kg	0.0054	1	05/21/15 12:00	05/22/15 14:13	106-93-4	
1,2-Dichlorobenzene	ND	mg/kg	0.0054	1	05/21/15 12:00	05/22/15 14:13	95-50-1	
1,2-Dichloroethane	ND	mg/kg	0.0054	1	05/21/15 12:00	05/22/15 14:13	107-06-2	
1,2-Dichloroethene (Total)	ND	mg/kg	0.011	1	05/21/15 12:00	05/22/15 14:13	540-59-0	
1,2-Dichloropropane	ND	mg/kg	0.0054	1	05/21/15 12:00	05/22/15 14:13	78-87-5	
1,3,5-Trimethylbenzene	ND	mg/kg	0.0054	1	05/21/15 12:00	05/22/15 14:13	108-67-8	
1,3-Dichlorobenzene	ND	mg/kg	0.0054	1	05/21/15 12:00	05/22/15 14:13	541-73-1	
1,3-Dichloropropane	ND	mg/kg	0.0054	1	05/21/15 12:00	05/22/15 14:13	142-28-9	
1,4-Dichlorobenzene	ND	mg/kg	0.0054	1	05/21/15 12:00	05/22/15 14:13	106-46-7	
2,2-Dichloropropane	ND	mg/kg	0.014	1	05/21/15 12:00	05/22/15 14:13	594-20-7	
2-Butanone (MEK)	ND	mg/kg	0.027	1	05/21/15 12:00	05/22/15 14:13	78-93-3	
2-Chlorotoluene	ND	mg/kg	0.0054	1	05/21/15 12:00	05/22/15 14:13	95-49-8	
2-Hexanone	ND	mg/kg	0.027	1	05/21/15 12:00	05/22/15 14:13	591-78-6	
4-Chlorotoluene	ND	mg/kg	0.0054	1	05/21/15 12:00	05/22/15 14:13	106-43-4	
4-Methyl-2-pentanone (MIBK)	ND	mg/kg	0.027	1	05/21/15 12:00	05/22/15 14:13	108-10-1	
Acetone	**0.064**	mg/kg	0.027	1	05/21/15 12:00	05/22/15 14:13	67-64-1	
Benzene	ND	mg/kg	0.0054	1	05/21/15 12:00	05/22/15 14:13	71-43-2	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
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ANALYTICAL RESULTS

Project: 062175-05-01_PCC_Site Investig
Pace Project No.: 10306445

Sample: SO-062175-051315-JS-SB-3-14 **Lab ID: 10306445003** Collected: 05/13/15 13:10 Received: 05/14/15 15:30 Matrix: Solid

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

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV 5035 Low Level	Analytical Method: EPA 8260B Preparation Method: EPA 5035 Low							
Bromobenzene	ND	mg/kg	0.0054	1	05/21/15 12:00	05/22/15 14:13	108-86-1	
Bromochloromethane	ND	mg/kg	0.0054	1	05/21/15 12:00	05/22/15 14:13	74-97-5	
Bromodichloromethane	ND	mg/kg	0.0054	1	05/21/15 12:00	05/22/15 14:13	75-27-4	
Bromoform	ND	mg/kg	0.027	1	05/21/15 12:00	05/22/15 14:13	75-25-2	
Bromomethane	ND	mg/kg	0.027	1	05/21/15 12:00	05/22/15 14:13	74-83-9	
Carbon disulfide	ND	mg/kg	0.0054	1	05/21/15 12:00	05/22/15 14:13	75-15-0	
Carbon tetrachloride	ND	mg/kg	0.0054	1	05/21/15 12:00	05/22/15 14:13	56-23-5	
Chlorobenzene	ND	mg/kg	0.0054	1	05/21/15 12:00	05/22/15 14:13	108-90-7	
Chloroethane	ND	mg/kg	0.014	1	05/21/15 12:00	05/22/15 14:13	75-00-3	
Chloroform	ND	mg/kg	0.0054	1	05/21/15 12:00	05/22/15 14:13	67-66-3	
Chloromethane	ND	mg/kg	0.014	1	05/21/15 12:00	05/22/15 14:13	74-87-3	
Dibromochloromethane	ND	mg/kg	0.0054	1	05/21/15 12:00	05/22/15 14:13	124-48-1	
Dibromomethane	ND	mg/kg	0.0054	1	05/21/15 12:00	05/22/15 14:13	74-95-3	
Dichlorodifluoromethane	ND	mg/kg	0.014	1	05/21/15 12:00	05/22/15 14:13	75-71-8	L3
Dichlorofluoromethane	ND	mg/kg	0.0054	1	05/21/15 12:00	05/22/15 14:13	75-43-4	
Ethylbenzene	ND	mg/kg	0.0054	1	05/21/15 12:00	05/22/15 14:13	100-41-4	
Hexachloro-1,3-butadiene	ND	mg/kg	0.014	1	05/21/15 12:00	05/22/15 14:13	87-68-3	
Isopropylbenzene (Cumene)	ND	mg/kg	0.0054	1	05/21/15 12:00	05/22/15 14:13	98-82-8	
Methyl-tert-butyl ether	ND	mg/kg	0.0054	1	05/21/15 12:00	05/22/15 14:13	1634-04-4	
Methylene Chloride	ND	mg/kg	0.027	1	05/21/15 12:00	05/22/15 14:13	75-09-2	
Naphthalene	ND	mg/kg	0.014	1	05/21/15 12:00	05/22/15 14:13	91-20-3	
Styrene	ND	mg/kg	0.0054	1	05/21/15 12:00	05/22/15 14:13	100-42-5	
Tetrachloroethene	ND	mg/kg	0.0054	1	05/21/15 12:00	05/22/15 14:13	127-18-4	
Toluene	ND	mg/kg	0.0054	1	05/21/15 12:00	05/22/15 14:13	108-88-3	
Trichloroethene	ND	mg/kg	0.0054	1	05/21/15 12:00	05/22/15 14:13	79-01-6	
Trichlorofluoromethane	ND	mg/kg	0.014	1	05/21/15 12:00	05/22/15 14:13	75-69-4	
Vinyl chloride	ND	mg/kg	0.0054	1	05/21/15 12:00	05/22/15 14:13	75-01-4	
Xylene (Total)	ND	mg/kg	0.016	1	05/21/15 12:00	05/22/15 14:13	1330-20-7	
cis-1,2-Dichloroethene	ND	mg/kg	0.0054	1	05/21/15 12:00	05/22/15 14:13	156-59-2	
cis-1,3-Dichloropropene	ND	mg/kg	0.0054	1	05/21/15 12:00	05/22/15 14:13	10061-01-5	
m&p-Xylene	ND	mg/kg	0.011	1	05/21/15 12:00	05/22/15 14:13	179601-23-1	
n-Butylbenzene	ND	mg/kg	0.0054	1	05/21/15 12:00	05/22/15 14:13	104-51-8	
n-Propylbenzene	ND	mg/kg	0.0054	1	05/21/15 12:00	05/22/15 14:13	103-65-1	
o-Xylene	ND	mg/kg	0.0054	1	05/21/15 12:00	05/22/15 14:13	95-47-6	
p-Isopropyltoluene	ND	mg/kg	0.0054	1	05/21/15 12:00	05/22/15 14:13	99-87-6	
sec-Butylbenzene	ND	mg/kg	0.0054	1	05/21/15 12:00	05/22/15 14:13	135-98-8	
tert-Butylbenzene	ND	mg/kg	0.0054	1	05/21/15 12:00	05/22/15 14:13	98-06-6	
trans-1,2-Dichloroethene	ND	mg/kg	0.0054	1	05/21/15 12:00	05/22/15 14:13	156-60-5	
trans-1,3-Dichloropropene	ND	mg/kg	0.0054	1	05/21/15 12:00	05/22/15 14:13	10061-02-6	
Surrogates								
1,2-Dichloroethane-d4 (S)	111	%.	30-150	1	05/21/15 12:00	05/22/15 14:13	17060-07-0	
Toluene-d8 (S)	101	%.	30-150	1	05/21/15 12:00	05/22/15 14:13	2037-26-5	
4-Bromofluorobenzene (S)	104	%.	30-150	1	05/21/15 12:00	05/22/15 14:13	460-00-4	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
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ANALYTICAL RESULTS

Project: 062175-05-01_PCC_Site Investig
Pace Project No.: 10306445

Sample: SO-062175-051315-JS-SB-4-5 **Lab ID: 10306445004** Collected: 05/13/15 14:00 Received: 05/14/15 15:30 Matrix: Solid

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

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6020A MET ICPMS	Analytical Method: EPA 6020A Preparation Method: EPA 3050							
Arsenic	**3.8**	mg/kg	0.55	20	05/22/15 11:47	05/28/15 05:32	7440-38-2	
Barium	**62.0**	mg/kg	0.33	20	05/22/15 11:47	05/28/15 05:32	7440-39-3	
Cadmium	**0.11**	mg/kg	0.088	20	05/22/15 11:47	05/28/15 05:32	7440-43-9	
Chromium	**30.5**	mg/kg	0.55	20	05/22/15 11:47	05/28/15 05:32	7440-47-3	
Lead	**3.6**	mg/kg	0.11	20	05/22/15 11:47	05/28/15 05:32	7439-92-1	
Selenium	**0.56**	mg/kg	0.55	20	05/22/15 11:47	05/28/15 05:32	7782-49-2	
Silver	ND	mg/kg	0.55	20	05/22/15 11:47	05/28/15 05:32	7440-22-4	
7471B Mercury	Analytical Method: EPA 7471B Preparation Method: EPA 7471B							
Mercury	**0.035**	mg/kg	0.019	1	05/22/15 14:02	05/24/15 17:47	7439-97-6	
Dry Weight	Analytical Method: ASTM D2974							
Percent Moisture	**11.4**	%	0.10	1		05/19/15 15:55		
8260B MSV 5035 Low Level	Analytical Method: EPA 8260B Preparation Method: EPA 5035 Low							
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.0037	1	05/21/15 12:00	05/22/15 14:50	630-20-6	
1,1,1-Trichloroethane	**1.6**	mg/kg	0.0037	1	05/21/15 12:00	05/22/15 14:50	71-55-6	E
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.0037	1	05/21/15 12:00	05/22/15 14:50	79-34-5	
1,1,2-Trichloroethane	**0.0098**	mg/kg	0.0037	1	05/21/15 12:00	05/22/15 14:50	79-00-5	
1,1,2-Trichlorotrifluoroethane	ND	mg/kg	0.0037	1	05/21/15 12:00	05/22/15 14:50	76-13-1	L3
1,1-Dichloroethane	**0.47**	mg/kg	0.0037	1	05/21/15 12:00	05/22/15 14:50	75-34-3	E
1,1-Dichloroethene	**0.95**	mg/kg	0.0037	1	05/21/15 12:00	05/22/15 14:50	75-35-4	E
1,1-Dichloropropene	ND	mg/kg	0.0037	1	05/21/15 12:00	05/22/15 14:50	563-58-6	
1,2,3-Trichlorobenzene	ND	mg/kg	0.0037	1	05/21/15 12:00	05/22/15 14:50	87-61-6	
1,2,3-Trichloropropane	ND	mg/kg	0.0037	1	05/21/15 12:00	05/22/15 14:50	96-18-4	
1,2,4-Trichlorobenzene	ND	mg/kg	0.0037	1	05/21/15 12:00	05/22/15 14:50	120-82-1	
1,2,4-Trimethylbenzene	ND	mg/kg	0.0037	1	05/21/15 12:00	05/22/15 14:50	95-63-6	
1,2-Dibromo-3-chloropropane	ND	mg/kg	0.0092	1	05/21/15 12:00	05/22/15 14:50	96-12-8	
1,2-Dibromoethane (EDB)	ND	mg/kg	0.0037	1	05/21/15 12:00	05/22/15 14:50	106-93-4	
1,2-Dichlorobenzene	ND	mg/kg	0.0037	1	05/21/15 12:00	05/22/15 14:50	95-50-1	
1,2-Dichloroethane	ND	mg/kg	0.0037	1	05/21/15 12:00	05/22/15 14:50	107-06-2	
1,2-Dichloroethene (Total)	ND	mg/kg	0.0073	1	05/21/15 12:00	05/22/15 14:50	540-59-0	
1,2-Dichloropropane	ND	mg/kg	0.0037	1	05/21/15 12:00	05/22/15 14:50	78-87-5	
1,3,5-Trimethylbenzene	ND	mg/kg	0.0037	1	05/21/15 12:00	05/22/15 14:50	108-67-8	
1,3-Dichlorobenzene	ND	mg/kg	0.0037	1	05/21/15 12:00	05/22/15 14:50	541-73-1	
1,3-Dichloropropane	ND	mg/kg	0.0037	1	05/21/15 12:00	05/22/15 14:50	142-28-9	
1,4-Dichlorobenzene	ND	mg/kg	0.0037	1	05/21/15 12:00	05/22/15 14:50	106-46-7	
2,2-Dichloropropane	ND	mg/kg	0.0092	1	05/21/15 12:00	05/22/15 14:50	594-20-7	
2-Butanone (MEK)	ND	mg/kg	0.018	1	05/21/15 12:00	05/22/15 14:50	78-93-3	
2-Chlorotoluene	ND	mg/kg	0.0037	1	05/21/15 12:00	05/22/15 14:50	95-49-8	
2-Hexanone	ND	mg/kg	0.018	1	05/21/15 12:00	05/22/15 14:50	591-78-6	
4-Chlorotoluene	ND	mg/kg	0.0037	1	05/21/15 12:00	05/22/15 14:50	106-43-4	
4-Methyl-2-pentanone (MIBK)	ND	mg/kg	0.018	1	05/21/15 12:00	05/22/15 14:50	108-10-1	
Acetone	ND	mg/kg	0.018	1	05/21/15 12:00	05/22/15 14:50	67-64-1	
Benzene	ND	mg/kg	0.0037	1	05/21/15 12:00	05/22/15 14:50	71-43-2	

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ANALYTICAL RESULTS

Project: 062175-05-01_PCC_Site Investig
Pace Project No.: 10306445

Sample: SO-062175-051315-JS-SB-4-5 **Lab ID: 10306445004** Collected: 05/13/15 14:00 Received: 05/14/15 15:30 Matrix: Solid

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

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV 5035 Low Level	Analytical Method: EPA 8260B Preparation Method: EPA 5035 Low							
Bromobenzene	ND	mg/kg	0.0037	1	05/21/15 12:00	05/22/15 14:50	108-86-1	
Bromochloromethane	ND	mg/kg	0.0037	1	05/21/15 12:00	05/22/15 14:50	74-97-5	
Bromodichloromethane	ND	mg/kg	0.0037	1	05/21/15 12:00	05/22/15 14:50	75-27-4	
Bromoform	ND	mg/kg	0.018	1	05/21/15 12:00	05/22/15 14:50	75-25-2	
Bromomethane	ND	mg/kg	0.018	1	05/21/15 12:00	05/22/15 14:50	74-83-9	
Carbon disulfide	ND	mg/kg	0.0037	1	05/21/15 12:00	05/22/15 14:50	75-15-0	
Carbon tetrachloride	ND	mg/kg	0.0037	1	05/21/15 12:00	05/22/15 14:50	56-23-5	
Chlorobenzene	ND	mg/kg	0.0037	1	05/21/15 12:00	05/22/15 14:50	108-90-7	
Chloroethane	ND	mg/kg	0.0092	1	05/21/15 12:00	05/22/15 14:50	75-00-3	
Chloroform	ND	mg/kg	0.0037	1	05/21/15 12:00	05/22/15 14:50	67-66-3	
Chloromethane	ND	mg/kg	0.0092	1	05/21/15 12:00	05/22/15 14:50	74-87-3	
Dibromochloromethane	ND	mg/kg	0.0037	1	05/21/15 12:00	05/22/15 14:50	124-48-1	
Dibromomethane	ND	mg/kg	0.0037	1	05/21/15 12:00	05/22/15 14:50	74-95-3	
Dichlorodifluoromethane	ND	mg/kg	0.0092	1	05/21/15 12:00	05/22/15 14:50	75-71-8	L3
Dichlorofluoromethane	ND	mg/kg	0.0037	1	05/21/15 12:00	05/22/15 14:50	75-43-4	
Ethylbenzene	ND	mg/kg	0.0037	1	05/21/15 12:00	05/22/15 14:50	100-41-4	
Hexachloro-1,3-butadiene	ND	mg/kg	0.0092	1	05/21/15 12:00	05/22/15 14:50	87-68-3	
Isopropylbenzene (Cumene)	ND	mg/kg	0.0037	1	05/21/15 12:00	05/22/15 14:50	98-82-8	
Methyl-tert-butyl ether	ND	mg/kg	0.0037	1	05/21/15 12:00	05/22/15 14:50	1634-04-4	
Methylene Chloride	ND	mg/kg	0.018	1	05/21/15 12:00	05/22/15 14:50	75-09-2	
Naphthalene	ND	mg/kg	0.0092	1	05/21/15 12:00	05/22/15 14:50	91-20-3	
Styrene	ND	mg/kg	0.0037	1	05/21/15 12:00	05/22/15 14:50	100-42-5	
Tetrachloroethene	ND	mg/kg	0.0037	1	05/21/15 12:00	05/22/15 14:50	127-18-4	
Toluene	ND	mg/kg	0.0037	1	05/21/15 12:00	05/22/15 14:50	108-88-3	
Trichloroethene	**0.034**	mg/kg	0.0037	1	05/21/15 12:00	05/22/15 14:50	79-01-6	
Trichlorofluoromethane	ND	mg/kg	0.0092	1	05/21/15 12:00	05/22/15 14:50	75-69-4	
Vinyl chloride	ND	mg/kg	0.0037	1	05/21/15 12:00	05/22/15 14:50	75-01-4	
Xylene (Total)	ND	mg/kg	0.011	1	05/21/15 12:00	05/22/15 14:50	1330-20-7	
cis-1,2-Dichloroethene	**0.0068**	mg/kg	0.0037	1	05/21/15 12:00	05/22/15 14:50	156-59-2	
cis-1,3-Dichloropropene	ND	mg/kg	0.0037	1	05/21/15 12:00	05/22/15 14:50	10061-01-5	
m&p-Xylene	ND	mg/kg	0.0073	1	05/21/15 12:00	05/22/15 14:50	179601-23-1	
n-Butylbenzene	ND	mg/kg	0.0037	1	05/21/15 12:00	05/22/15 14:50	104-51-8	
n-Propylbenzene	ND	mg/kg	0.0037	1	05/21/15 12:00	05/22/15 14:50	103-65-1	
o-Xylene	ND	mg/kg	0.0037	1	05/21/15 12:00	05/22/15 14:50	95-47-6	
p-Isopropyltoluene	ND	mg/kg	0.0037	1	05/21/15 12:00	05/22/15 14:50	99-87-6	
sec-Butylbenzene	ND	mg/kg	0.0037	1	05/21/15 12:00	05/22/15 14:50	135-98-8	
tert-Butylbenzene	ND	mg/kg	0.0037	1	05/21/15 12:00	05/22/15 14:50	98-06-6	
trans-1,2-Dichloroethene	ND	mg/kg	0.0037	1	05/21/15 12:00	05/22/15 14:50	156-60-5	
trans-1,3-Dichloropropene	ND	mg/kg	0.0037	1	05/21/15 12:00	05/22/15 14:50	10061-02-6	
Surrogates								
1,2-Dichloroethane-d4 (S)	118	%.	30-150	1	05/21/15 12:00	05/22/15 14:50	17060-07-0	
Toluene-d8 (S)	101	%.	30-150	1	05/21/15 12:00	05/22/15 14:50	2037-26-5	
4-Bromofluorobenzene (S)	105	%.	30-150	1	05/21/15 12:00	05/22/15 14:50	460-00-4	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 062175-05-01_PCC_Site Investig
Pace Project No.: 10306445

Sample: SO-062175-051315-JS-SB-4-10 **Lab ID: 10306445005** Collected: 05/13/15 14:10 Received: 05/14/15 15:30 Matrix: Solid

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

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6020A MET ICPMS	Analytical Method: EPA 6020A Preparation Method: EPA 3050							
Arsenic	**3.7**	mg/kg	0.54	20	05/22/15 11:47	05/28/15 05:36	7440-38-2	
Barium	**52.3**	mg/kg	0.32	20	05/22/15 11:47	05/28/15 05:36	7440-39-3	
Cadmium	ND	mg/kg	0.087	20	05/22/15 11:47	05/28/15 05:36	7440-43-9	
Chromium	**12.4**	mg/kg	0.54	20	05/22/15 11:47	05/28/15 05:36	7440-47-3	
Lead	**2.4**	mg/kg	0.11	20	05/22/15 11:47	05/28/15 05:36	7439-92-1	
Selenium	ND	mg/kg	0.54	20	05/22/15 11:47	05/28/15 05:36	7782-49-2	
Silver	ND	mg/kg	0.54	20	05/22/15 11:47	05/28/15 05:36	7440-22-4	
7471B Mercury	Analytical Method: EPA 7471B Preparation Method: EPA 7471B							
Mercury	**0.035**	mg/kg	0.025	1	05/22/15 14:02	05/24/15 17:49	7439-97-6	
Dry Weight	Analytical Method: ASTM D2974							
Percent Moisture	**21.0**	%	0.10	1		05/19/15 15:55		
8260B MSV 5035 Low Level	Analytical Method: EPA 8260B Preparation Method: EPA 5035 Low							
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.0046	1	05/21/15 12:00	05/22/15 15:46	630-20-6	
1,1,1-Trichloroethane	ND	mg/kg	0.0046	1	05/21/15 12:00	05/22/15 15:46	71-55-6	
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.0046	1	05/21/15 12:00	05/22/15 15:46	79-34-5	
1,1,2-Trichloroethane	ND	mg/kg	0.0046	1	05/21/15 12:00	05/22/15 15:46	79-00-5	
1,1,2-Trichlorotrifluoroethane	ND	mg/kg	0.0046	1	05/21/15 12:00	05/22/15 15:46	76-13-1	L3
1,1-Dichloroethane	**0.11**	mg/kg	0.0046	1	05/21/15 12:00	05/22/15 15:46	75-34-3	
1,1-Dichloroethene	**0.036**	mg/kg	0.0046	1	05/21/15 12:00	05/22/15 15:46	75-35-4	
1,1-Dichloropropene	ND	mg/kg	0.0046	1	05/21/15 12:00	05/22/15 15:46	563-58-6	
1,2,3-Trichlorobenzene	ND	mg/kg	0.0046	1	05/21/15 12:00	05/22/15 15:46	87-61-6	
1,2,3-Trichloropropane	ND	mg/kg	0.0046	1	05/21/15 12:00	05/22/15 15:46	96-18-4	
1,2,4-Trichlorobenzene	ND	mg/kg	0.0046	1	05/21/15 12:00	05/22/15 15:46	120-82-1	
1,2,4-Trimethylbenzene	ND	mg/kg	0.0046	1	05/21/15 12:00	05/22/15 15:46	95-63-6	
1,2-Dibromo-3-chloropropane	ND	mg/kg	0.012	1	05/21/15 12:00	05/22/15 15:46	96-12-8	
1,2-Dibromoethane (EDB)	ND	mg/kg	0.0046	1	05/21/15 12:00	05/22/15 15:46	106-93-4	
1,2-Dichlorobenzene	ND	mg/kg	0.0046	1	05/21/15 12:00	05/22/15 15:46	95-50-1	
1,2-Dichloroethane	ND	mg/kg	0.0046	1	05/21/15 12:00	05/22/15 15:46	107-06-2	
1,2-Dichloroethene (Total)	**0.54**	mg/kg	0.0093	1	05/21/15 12:00	05/22/15 15:46	540-59-0	
1,2-Dichloropropane	ND	mg/kg	0.0046	1	05/21/15 12:00	05/22/15 15:46	78-87-5	
1,3,5-Trimethylbenzene	ND	mg/kg	0.0046	1	05/21/15 12:00	05/22/15 15:46	108-67-8	
1,3-Dichlorobenzene	ND	mg/kg	0.0046	1	05/21/15 12:00	05/22/15 15:46	541-73-1	
1,3-Dichloropropane	ND	mg/kg	0.0046	1	05/21/15 12:00	05/22/15 15:46	142-28-9	
1,4-Dichlorobenzene	ND	mg/kg	0.0046	1	05/21/15 12:00	05/22/15 15:46	106-46-7	
2,2-Dichloropropane	ND	mg/kg	0.012	1	05/21/15 12:00	05/22/15 15:46	594-20-7	
2-Butanone (MEK)	ND	mg/kg	0.023	1	05/21/15 12:00	05/22/15 15:46	78-93-3	
2-Chlorotoluene	ND	mg/kg	0.0046	1	05/21/15 12:00	05/22/15 15:46	95-49-8	
2-Hexanone	ND	mg/kg	0.023	1	05/21/15 12:00	05/22/15 15:46	591-78-6	
4-Chlorotoluene	ND	mg/kg	0.0046	1	05/21/15 12:00	05/22/15 15:46	106-43-4	
4-Methyl-2-pentanone (MIBK)	ND	mg/kg	0.023	1	05/21/15 12:00	05/22/15 15:46	108-10-1	
Acetone	**0.039**	mg/kg	0.023	1	05/21/15 12:00	05/22/15 15:46	67-64-1	
Benzene	ND	mg/kg	0.0046	1	05/21/15 12:00	05/22/15 15:46	71-43-2	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 062175-05-01_PCC_Site Investig
Pace Project No.: 10306445

Sample: SO-062175-051315-JS-SB-4-10 **Lab ID: 10306445005** Collected: 05/13/15 14:10 Received: 05/14/15 15:30 Matrix: Solid

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

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV 5035 Low Level	Analytical Method: EPA 8260B Preparation Method: EPA 5035 Low							
Bromobenzene	ND	mg/kg	0.0046	1	05/21/15 12:00	05/22/15 15:46	108-86-1	
Bromochloromethane	ND	mg/kg	0.0046	1	05/21/15 12:00	05/22/15 15:46	74-97-5	
Bromodichloromethane	ND	mg/kg	0.0046	1	05/21/15 12:00	05/22/15 15:46	75-27-4	
Bromoform	ND	mg/kg	0.023	1	05/21/15 12:00	05/22/15 15:46	75-25-2	
Bromomethane	ND	mg/kg	0.023	1	05/21/15 12:00	05/22/15 15:46	74-83-9	
Carbon disulfide	ND	mg/kg	0.0046	1	05/21/15 12:00	05/22/15 15:46	75-15-0	
Carbon tetrachloride	ND	mg/kg	0.0046	1	05/21/15 12:00	05/22/15 15:46	56-23-5	
Chlorobenzene	ND	mg/kg	0.0046	1	05/21/15 12:00	05/22/15 15:46	108-90-7	
Chloroethane	**0.020**	mg/kg	0.012	1	05/21/15 12:00	05/22/15 15:46	75-00-3	
Chloroform	ND	mg/kg	0.0046	1	05/21/15 12:00	05/22/15 15:46	67-66-3	
Chloromethane	ND	mg/kg	0.012	1	05/21/15 12:00	05/22/15 15:46	74-87-3	
Dibromochloromethane	ND	mg/kg	0.0046	1	05/21/15 12:00	05/22/15 15:46	124-48-1	
Dibromomethane	ND	mg/kg	0.0046	1	05/21/15 12:00	05/22/15 15:46	74-95-3	
Dichlorodifluoromethane	ND	mg/kg	0.012	1	05/21/15 12:00	05/22/15 15:46	75-71-8	L3
Dichlorofluoromethane	ND	mg/kg	0.0046	1	05/21/15 12:00	05/22/15 15:46	75-43-4	
Ethylbenzene	ND	mg/kg	0.0046	1	05/21/15 12:00	05/22/15 15:46	100-41-4	
Hexachloro-1,3-butadiene	ND	mg/kg	0.012	1	05/21/15 12:00	05/22/15 15:46	87-68-3	
Isopropylbenzene (Cumene)	ND	mg/kg	0.0046	1	05/21/15 12:00	05/22/15 15:46	98-82-8	
Methyl-tert-butyl ether	ND	mg/kg	0.0046	1	05/21/15 12:00	05/22/15 15:46	1634-04-4	
Methylene Chloride	ND	mg/kg	0.023	1	05/21/15 12:00	05/22/15 15:46	75-09-2	
Naphthalene	ND	mg/kg	0.012	1	05/21/15 12:00	05/22/15 15:46	91-20-3	
Styrene	ND	mg/kg	0.0046	1	05/21/15 12:00	05/22/15 15:46	100-42-5	
Tetrachloroethene	ND	mg/kg	0.0046	1	05/21/15 12:00	05/22/15 15:46	127-18-4	
Toluene	ND	mg/kg	0.0046	1	05/21/15 12:00	05/22/15 15:46	108-88-3	
Trichloroethene	ND	mg/kg	0.0046	1	05/21/15 12:00	05/22/15 15:46	79-01-6	
Trichlorofluoromethane	ND	mg/kg	0.012	1	05/21/15 12:00	05/22/15 15:46	75-69-4	
Vinyl chloride	ND	mg/kg	0.0046	1	05/21/15 12:00	05/22/15 15:46	75-01-4	
Xylene (Total)	ND	mg/kg	0.014	1	05/21/15 12:00	05/22/15 15:46	1330-20-7	
cis-1,2-Dichloroethene	**0.52**	mg/kg	0.0046	1	05/21/15 12:00	05/22/15 15:46	156-59-2	E
cis-1,3-Dichloropropene	ND	mg/kg	0.0046	1	05/21/15 12:00	05/22/15 15:46	10061-01-5	
m&p-Xylene	ND	mg/kg	0.0093	1	05/21/15 12:00	05/22/15 15:46	179601-23-1	
n-Butylbenzene	ND	mg/kg	0.0046	1	05/21/15 12:00	05/22/15 15:46	104-51-8	
n-Propylbenzene	ND	mg/kg	0.0046	1	05/21/15 12:00	05/22/15 15:46	103-65-1	
o-Xylene	ND	mg/kg	0.0046	1	05/21/15 12:00	05/22/15 15:46	95-47-6	
p-Isopropyltoluene	ND	mg/kg	0.0046	1	05/21/15 12:00	05/22/15 15:46	99-87-6	
sec-Butylbenzene	ND	mg/kg	0.0046	1	05/21/15 12:00	05/22/15 15:46	135-98-8	
tert-Butylbenzene	ND	mg/kg	0.0046	1	05/21/15 12:00	05/22/15 15:46	98-06-6	
trans-1,2-Dichloroethene	**0.017**	mg/kg	0.0046	1	05/21/15 12:00	05/22/15 15:46	156-60-5	
trans-1,3-Dichloropropene	ND	mg/kg	0.0046	1	05/21/15 12:00	05/22/15 15:46	10061-02-6	
Surrogates								
1,2-Dichloroethane-d4 (S)	118	%.	30-150	1	05/21/15 12:00	05/22/15 15:46	17060-07-0	
Toluene-d8 (S)	98	%.	30-150	1	05/21/15 12:00	05/22/15 15:46	2037-26-5	
4-Bromofluorobenzene (S)	100	%.	30-150	1	05/21/15 12:00	05/22/15 15:46	460-00-4	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 062175-05-01_PCC_Site Investig
Pace Project No.: 10306445

Sample: SO-062175-051315-JS-SB-4-15 **Lab ID: 10306445006** Collected: 05/13/15 14:50 Received: 05/14/15 15:30 Matrix: Solid

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

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6020A MET ICPMS	Analytical Method: EPA 6020A Preparation Method: EPA 3050							
Arsenic	**9.9**	mg/kg	0.61	20	05/22/15 11:47	05/28/15 05:41	7440-38-2	
Barium	**96.2**	mg/kg	0.37	20	05/22/15 11:47	05/28/15 05:41	7440-39-3	
Cadmium	**0.10**	mg/kg	0.098	20	05/22/15 11:47	05/28/15 05:41	7440-43-9	
Chromium	**24.4**	mg/kg	0.61	20	05/22/15 11:47	05/28/15 05:41	7440-47-3	
Lead	**5.4**	mg/kg	0.12	20	05/22/15 11:47	05/28/15 05:41	7439-92-1	
Selenium	**0.99**	mg/kg	0.61	20	05/22/15 11:47	05/28/15 05:41	7782-49-2	
Silver	ND	mg/kg	0.61	20	05/22/15 11:47	05/28/15 05:41	7440-22-4	
7471B Mercury	Analytical Method: EPA 7471B Preparation Method: EPA 7471B							
Mercury	**0.059**	mg/kg	0.030	1	05/22/15 14:02	05/24/15 17:51	7439-97-6	
Dry Weight	Analytical Method: ASTM D2974							
Percent Moisture	**34.1**	%	0.10	1		05/19/15 15:55		
8260B MSV 5035 Low Level	Analytical Method: EPA 8260B Preparation Method: EPA 5035 Low							
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.0060	1	05/21/15 12:00	05/22/15 14:31	630-20-6	
1,1,1-Trichloroethane	ND	mg/kg	0.0060	1	05/21/15 12:00	05/22/15 14:31	71-55-6	
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.0060	1	05/21/15 12:00	05/22/15 14:31	79-34-5	
1,1,2-Trichloroethane	ND	mg/kg	0.0060	1	05/21/15 12:00	05/22/15 14:31	79-00-5	
1,1,2-Trichlorotrifluoroethane	ND	mg/kg	0.0060	1	05/21/15 12:00	05/22/15 14:31	76-13-1	L3
1,1-Dichloroethane	ND	mg/kg	0.0060	1	05/21/15 12:00	05/22/15 14:31	75-34-3	
1,1-Dichloroethene	ND	mg/kg	0.0060	1	05/21/15 12:00	05/22/15 14:31	75-35-4	
1,1-Dichloropropene	ND	mg/kg	0.0060	1	05/21/15 12:00	05/22/15 14:31	563-58-6	
1,2,3-Trichlorobenzene	ND	mg/kg	0.0060	1	05/21/15 12:00	05/22/15 14:31	87-61-6	
1,2,3-Trichloropropane	ND	mg/kg	0.0060	1	05/21/15 12:00	05/22/15 14:31	96-18-4	
1,2,4-Trichlorobenzene	ND	mg/kg	0.0060	1	05/21/15 12:00	05/22/15 14:31	120-82-1	
1,2,4-Trimethylbenzene	ND	mg/kg	0.0060	1	05/21/15 12:00	05/22/15 14:31	95-63-6	
1,2-Dibromo-3-chloropropane	ND	mg/kg	0.015	1	05/21/15 12:00	05/22/15 14:31	96-12-8	
1,2-Dibromoethane (EDB)	ND	mg/kg	0.0060	1	05/21/15 12:00	05/22/15 14:31	106-93-4	
1,2-Dichlorobenzene	ND	mg/kg	0.0060	1	05/21/15 12:00	05/22/15 14:31	95-50-1	
1,2-Dichloroethane	ND	mg/kg	0.0060	1	05/21/15 12:00	05/22/15 14:31	107-06-2	
1,2-Dichloroethene (Total)	**0.066**	mg/kg	0.012	1	05/21/15 12:00	05/22/15 14:31	540-59-0	
1,2-Dichloropropane	ND	mg/kg	0.0060	1	05/21/15 12:00	05/22/15 14:31	78-87-5	
1,3,5-Trimethylbenzene	ND	mg/kg	0.0060	1	05/21/15 12:00	05/22/15 14:31	108-67-8	
1,3-Dichlorobenzene	ND	mg/kg	0.0060	1	05/21/15 12:00	05/22/15 14:31	541-73-1	
1,3-Dichloropropane	ND	mg/kg	0.0060	1	05/21/15 12:00	05/22/15 14:31	142-28-9	
1,4-Dichlorobenzene	ND	mg/kg	0.0060	1	05/21/15 12:00	05/22/15 14:31	106-46-7	
2,2-Dichloropropane	ND	mg/kg	0.015	1	05/21/15 12:00	05/22/15 14:31	594-20-7	
2-Butanone (MEK)	ND	mg/kg	0.030	1	05/21/15 12:00	05/22/15 14:31	78-93-3	
2-Chlorotoluene	ND	mg/kg	0.0060	1	05/21/15 12:00	05/22/15 14:31	95-49-8	
2-Hexanone	ND	mg/kg	0.030	1	05/21/15 12:00	05/22/15 14:31	591-78-6	
4-Chlorotoluene	ND	mg/kg	0.0060	1	05/21/15 12:00	05/22/15 14:31	106-43-4	
4-Methyl-2-pentanone (MIBK)	ND	mg/kg	0.030	1	05/21/15 12:00	05/22/15 14:31	108-10-1	
Acetone	**0.054**	mg/kg	0.030	1	05/21/15 12:00	05/22/15 14:31	67-64-1	
Benzene	ND	mg/kg	0.0060	1	05/21/15 12:00	05/22/15 14:31	71-43-2	

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ANALYTICAL RESULTS

Project: 062175-05-01_PCC_Site Investig
Pace Project No.: 10306445

Sample: SO-062175-051315-JS-SB-4-15 **Lab ID: 10306445006** Collected: 05/13/15 14:50 Received: 05/14/15 15:30 Matrix: Solid

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

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV 5035 Low Level	Analytical Method: EPA 8260B Preparation Method: EPA 5035 Low							
Bromobenzene	ND	mg/kg	0.0060	1	05/21/15 12:00	05/22/15 14:31	108-86-1	
Bromochloromethane	ND	mg/kg	0.0060	1	05/21/15 12:00	05/22/15 14:31	74-97-5	
Bromodichloromethane	ND	mg/kg	0.0060	1	05/21/15 12:00	05/22/15 14:31	75-27-4	
Bromoform	ND	mg/kg	0.030	1	05/21/15 12:00	05/22/15 14:31	75-25-2	
Bromomethane	ND	mg/kg	0.030	1	05/21/15 12:00	05/22/15 14:31	74-83-9	
Carbon disulfide	ND	mg/kg	0.0060	1	05/21/15 12:00	05/22/15 14:31	75-15-0	
Carbon tetrachloride	ND	mg/kg	0.0060	1	05/21/15 12:00	05/22/15 14:31	56-23-5	
Chlorobenzene	ND	mg/kg	0.0060	1	05/21/15 12:00	05/22/15 14:31	108-90-7	
Chloroethane	ND	mg/kg	0.015	1	05/21/15 12:00	05/22/15 14:31	75-00-3	
Chloroform	ND	mg/kg	0.0060	1	05/21/15 12:00	05/22/15 14:31	67-66-3	
Chloromethane	ND	mg/kg	0.015	1	05/21/15 12:00	05/22/15 14:31	74-87-3	
Dibromochloromethane	ND	mg/kg	0.0060	1	05/21/15 12:00	05/22/15 14:31	124-48-1	
Dibromomethane	ND	mg/kg	0.0060	1	05/21/15 12:00	05/22/15 14:31	74-95-3	
Dichlorodifluoromethane	ND	mg/kg	0.015	1	05/21/15 12:00	05/22/15 14:31	75-71-8	L3
Dichlorofluoromethane	ND	mg/kg	0.0060	1	05/21/15 12:00	05/22/15 14:31	75-43-4	
Ethylbenzene	ND	mg/kg	0.0060	1	05/21/15 12:00	05/22/15 14:31	100-41-4	
Hexachloro-1,3-butadiene	ND	mg/kg	0.015	1	05/21/15 12:00	05/22/15 14:31	87-68-3	
Isopropylbenzene (Cumene)	ND	mg/kg	0.0060	1	05/21/15 12:00	05/22/15 14:31	98-82-8	
Methyl-tert-butyl ether	ND	mg/kg	0.0060	1	05/21/15 12:00	05/22/15 14:31	1634-04-4	
Methylene Chloride	ND	mg/kg	0.030	1	05/21/15 12:00	05/22/15 14:31	75-09-2	
Naphthalene	ND	mg/kg	0.015	1	05/21/15 12:00	05/22/15 14:31	91-20-3	
Styrene	ND	mg/kg	0.0060	1	05/21/15 12:00	05/22/15 14:31	100-42-5	
Tetrachloroethene	ND	mg/kg	0.0060	1	05/21/15 12:00	05/22/15 14:31	127-18-4	
Toluene	ND	mg/kg	0.0060	1	05/21/15 12:00	05/22/15 14:31	108-88-3	
Trichloroethene	ND	mg/kg	0.0060	1	05/21/15 12:00	05/22/15 14:31	79-01-6	
Trichlorofluoromethane	ND	mg/kg	0.015	1	05/21/15 12:00	05/22/15 14:31	75-69-4	
Vinyl chloride	ND	mg/kg	0.0060	1	05/21/15 12:00	05/22/15 14:31	75-01-4	
Xylene (Total)	ND	mg/kg	0.018	1	05/21/15 12:00	05/22/15 14:31	1330-20-7	
cis-1,2-Dichloroethene	**0.063**	mg/kg	0.0060	1	05/21/15 12:00	05/22/15 14:31	156-59-2	
cis-1,3-Dichloropropene	ND	mg/kg	0.0060	1	05/21/15 12:00	05/22/15 14:31	10061-01-5	
m&p-Xylene	ND	mg/kg	0.012	1	05/21/15 12:00	05/22/15 14:31	179601-23-1	
n-Butylbenzene	ND	mg/kg	0.0060	1	05/21/15 12:00	05/22/15 14:31	104-51-8	
n-Propylbenzene	ND	mg/kg	0.0060	1	05/21/15 12:00	05/22/15 14:31	103-65-1	
o-Xylene	ND	mg/kg	0.0060	1	05/21/15 12:00	05/22/15 14:31	95-47-6	
p-Isopropyltoluene	ND	mg/kg	0.0060	1	05/21/15 12:00	05/22/15 14:31	99-87-6	
sec-Butylbenzene	ND	mg/kg	0.0060	1	05/21/15 12:00	05/22/15 14:31	135-98-8	
tert-Butylbenzene	ND	mg/kg	0.0060	1	05/21/15 12:00	05/22/15 14:31	98-06-6	
trans-1,2-Dichloroethene	ND	mg/kg	0.0060	1	05/21/15 12:00	05/22/15 14:31	156-60-5	
trans-1,3-Dichloropropene	ND	mg/kg	0.0060	1	05/21/15 12:00	05/22/15 14:31	10061-02-6	
Surrogates								
1,2-Dichloroethane-d4 (S)	112	%.	30-150	1	05/21/15 12:00	05/22/15 14:31	17060-07-0	
Toluene-d8 (S)	99	%.	30-150	1	05/21/15 12:00	05/22/15 14:31	2037-26-5	
4-Bromofluorobenzene (S)	105	%.	30-150	1	05/21/15 12:00	05/22/15 14:31	460-00-4	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
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ANALYTICAL RESULTS

Project: 062175-05-01_PCC_Site Investig
Pace Project No.: 10306445

Sample: SO-062175-051315-JS-SB-2-5 **Lab ID: 10306445007** Collected: 05/13/15 15:00 Received: 05/14/15 15:30 Matrix: Solid

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

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6020A MET ICPMS	Analytical Method: EPA 6020A Preparation Method: EPA 3050							
Arsenic	**4.1**	mg/kg	0.46	20	05/22/15 11:47	05/28/15 05:46	7440-38-2	
Barium	**60.2**	mg/kg	0.28	20	05/22/15 11:47	05/28/15 05:46	7440-39-3	
Cadmium	**0.082**	mg/kg	0.073	20	05/22/15 11:47	05/28/15 05:46	7440-43-9	
Chromium	**27.7**	mg/kg	0.46	20	05/22/15 11:47	05/28/15 05:46	7440-47-3	
Lead	**4.3**	mg/kg	0.092	20	05/22/15 11:47	05/28/15 05:46	7439-92-1	
Selenium	**0.49**	mg/kg	0.46	20	05/22/15 11:47	05/28/15 05:46	7782-49-2	
Silver	ND	mg/kg	0.46	20	05/22/15 11:47	05/28/15 05:46	7440-22-4	
7471B Mercury	Analytical Method: EPA 7471B Preparation Method: EPA 7471B							
Mercury	**0.039**	mg/kg	0.021	1	05/22/15 14:02	05/24/15 17:53	7439-97-6	
Dry Weight	Analytical Method: ASTM D2974							
Percent Moisture	**11.5**	%	0.10	1		05/19/15 15:55		
8260B MSV 5035 Low Level	Analytical Method: EPA 8260B Preparation Method: EPA 5035 Low							
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.0045	1	05/28/15 12:00	05/28/15 17:12	630-20-6	H1,H2
1,1,1-Trichloroethane	ND	mg/kg	0.0045	1	05/28/15 12:00	05/28/15 17:12	71-55-6	H1,H2
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.0045	1	05/28/15 12:00	05/28/15 17:12	79-34-5	H1,H2
1,1,2-Trichloroethane	ND	mg/kg	0.0045	1	05/28/15 12:00	05/28/15 17:12	79-00-5	H1,H2
1,1,2-Trichlorotrifluoroethane	ND	mg/kg	0.0045	1	05/28/15 12:00	05/28/15 17:12	76-13-1	H1,H2, L3
1,1-Dichloroethane	ND	mg/kg	0.0045	1	05/28/15 12:00	05/28/15 17:12	75-34-3	H1,H2
1,1-Dichloroethene	ND	mg/kg	0.0045	1	05/28/15 12:00	05/28/15 17:12	75-35-4	H1,H2
1,1-Dichloropropene	ND	mg/kg	0.0045	1	05/28/15 12:00	05/28/15 17:12	563-58-6	H1,H2
1,2,3-Trichlorobenzene	ND	mg/kg	0.0045	1	05/28/15 12:00	05/28/15 17:12	87-61-6	H1,H2
1,2,3-Trichloropropane	ND	mg/kg	0.0045	1	05/28/15 12:00	05/28/15 17:12	96-18-4	H1,H2
1,2,4-Trichlorobenzene	ND	mg/kg	0.0045	1	05/28/15 12:00	05/28/15 17:12	120-82-1	H1,H2
1,2,4-Trimethylbenzene	ND	mg/kg	0.0045	1	05/28/15 12:00	05/28/15 17:12	95-63-6	H1,H2
1,2-Dibromo-3-chloropropane	ND	mg/kg	0.011	1	05/28/15 12:00	05/28/15 17:12	96-12-8	H1,H2
1,2-Dibromoethane (EDB)	ND	mg/kg	0.0045	1	05/28/15 12:00	05/28/15 17:12	106-93-4	H1,H2
1,2-Dichlorobenzene	ND	mg/kg	0.0045	1	05/28/15 12:00	05/28/15 17:12	95-50-1	H1,H2
1,2-Dichloroethane	ND	mg/kg	0.0045	1	05/28/15 12:00	05/28/15 17:12	107-06-2	H1,H2
1,2-Dichloroethene (Total)	ND	mg/kg	0.0089	1	05/28/15 12:00	05/28/15 17:12	540-59-0	
1,2-Dichloropropane	ND	mg/kg	0.0045	1	05/28/15 12:00	05/28/15 17:12	78-87-5	H1,H2
1,3,5-Trimethylbenzene	ND	mg/kg	0.0045	1	05/28/15 12:00	05/28/15 17:12	108-67-8	H1,H2
1,3-Dichlorobenzene	ND	mg/kg	0.0045	1	05/28/15 12:00	05/28/15 17:12	541-73-1	H1,H2
1,3-Dichloropropane	ND	mg/kg	0.0045	1	05/28/15 12:00	05/28/15 17:12	142-28-9	H1,H2
1,4-Dichlorobenzene	ND	mg/kg	0.0045	1	05/28/15 12:00	05/28/15 17:12	106-46-7	H1,H2
2,2-Dichloropropane	ND	mg/kg	0.011	1	05/28/15 12:00	05/28/15 17:12	594-20-7	H1,H2
2-Butanone (MEK)	ND	mg/kg	0.022	1	05/28/15 12:00	05/28/15 17:12	78-93-3	H1,H2
2-Chlorotoluene	ND	mg/kg	0.0045	1	05/28/15 12:00	05/28/15 17:12	95-49-8	H1,H2
2-Hexanone	ND	mg/kg	0.022	1	05/28/15 12:00	05/28/15 17:12	591-78-6	H1,H2
4-Chlorotoluene	ND	mg/kg	0.0045	1	05/28/15 12:00	05/28/15 17:12	106-43-4	H1,H2
4-Methyl-2-pentanone (MIBK)	ND	mg/kg	0.022	1	05/28/15 12:00	05/28/15 17:12	108-10-1	H1,H2
Acetone	ND	mg/kg	0.022	1	05/28/15 12:00	05/28/15 17:12	67-64-1	H1,H2

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 062175-05-01_PCC_Site Investig
Pace Project No.: 10306445

Sample: SO-062175-051315-JS-SB-2-5 **Lab ID: 10306445007** Collected: 05/13/15 15:00 Received: 05/14/15 15:30 Matrix: Solid

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

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV 5035 Low Level	Analytical Method: EPA 8260B Preparation Method: EPA 5035 Low							
Benzene	ND	mg/kg	0.0045	1	05/28/15 12:00	05/28/15 17:12	71-43-2	H1,H2
Bromobenzene	ND	mg/kg	0.0045	1	05/28/15 12:00	05/28/15 17:12	108-86-1	H1,H2
Bromochloromethane	ND	mg/kg	0.0045	1	05/28/15 12:00	05/28/15 17:12	74-97-5	H1,H2
Bromodichloromethane	ND	mg/kg	0.0045	1	05/28/15 12:00	05/28/15 17:12	75-27-4	H1,H2
Bromoform	ND	mg/kg	0.022	1	05/28/15 12:00	05/28/15 17:12	75-25-2	H1,H2
Bromomethane	ND	mg/kg	0.022	1	05/28/15 12:00	05/28/15 17:12	74-83-9	H1,H2
Carbon disulfide	ND	mg/kg	0.0045	1	05/28/15 12:00	05/28/15 17:12	75-15-0	H1,H2
Carbon tetrachloride	ND	mg/kg	0.0045	1	05/28/15 12:00	05/28/15 17:12	56-23-5	H1,H2
Chlorobenzene	ND	mg/kg	0.0045	1	05/28/15 12:00	05/28/15 17:12	108-90-7	H1,H2
Chloroethane	ND	mg/kg	0.011	1	05/28/15 12:00	05/28/15 17:12	75-00-3	H1,H2
Chloroform	ND	mg/kg	0.0045	1	05/28/15 12:00	05/28/15 17:12	67-66-3	H1,H2
Chloromethane	ND	mg/kg	0.011	1	05/28/15 12:00	05/28/15 17:12	74-87-3	H1,H2
Dibromochloromethane	ND	mg/kg	0.0045	1	05/28/15 12:00	05/28/15 17:12	124-48-1	H1,H2
Dibromomethane	ND	mg/kg	0.0045	1	05/28/15 12:00	05/28/15 17:12	74-95-3	H1,H2
Dichlorodifluoromethane	ND	mg/kg	0.011	1	05/28/15 12:00	05/28/15 17:12	75-71-8	H1,H2
Dichlorofluoromethane	ND	mg/kg	0.0045	1	05/28/15 12:00	05/28/15 17:12	75-43-4	H1,H2
Ethylbenzene	ND	mg/kg	0.0045	1	05/28/15 12:00	05/28/15 17:12	100-41-4	H1,H2
Hexachloro-1,3-butadiene	ND	mg/kg	0.011	1	05/28/15 12:00	05/28/15 17:12	87-68-3	H1,H2
Isopropylbenzene (Cumene)	ND	mg/kg	0.0045	1	05/28/15 12:00	05/28/15 17:12	98-82-8	H1,H2
Methyl-tert-butyl ether	ND	mg/kg	0.0045	1	05/28/15 12:00	05/28/15 17:12	1634-04-4	H1,H2
Methylene Chloride	ND	mg/kg	0.022	1	05/28/15 12:00	05/28/15 17:12	75-09-2	H1,H2, L1
Naphthalene	ND	mg/kg	0.011	1	05/28/15 12:00	05/28/15 17:12	91-20-3	H1,H2
Styrene	ND	mg/kg	0.0045	1	05/28/15 12:00	05/28/15 17:12	100-42-5	H1,H2
Tetrachloroethene	ND	mg/kg	0.0045	1	05/28/15 12:00	05/28/15 17:12	127-18-4	H1,H2
Toluene	ND	mg/kg	0.0045	1	05/28/15 12:00	05/28/15 17:12	108-88-3	H1,H2
Trichloroethene	ND	mg/kg	0.0045	1	05/28/15 12:00	05/28/15 17:12	79-01-6	H1,H2
Trichlorofluoromethane	ND	mg/kg	0.011	1	05/28/15 12:00	05/28/15 17:12	75-69-4	H1,H2
Vinyl chloride	ND	mg/kg	0.0045	1	05/28/15 12:00	05/28/15 17:12	75-01-4	H1,H2
Xylene (Total)	ND	mg/kg	0.013	1	05/28/15 12:00	05/28/15 17:12	1330-20-7	
cis-1,2-Dichloroethene	ND	mg/kg	0.0045	1	05/28/15 12:00	05/28/15 17:12	156-59-2	H1,H2
cis-1,3-Dichloropropene	ND	mg/kg	0.0045	1	05/28/15 12:00	05/28/15 17:12	10061-01-5	H1,H2
m&p-Xylene	ND	mg/kg	0.0089	1	05/28/15 12:00	05/28/15 17:12	179601-23-1	H1,H2
n-Butylbenzene	ND	mg/kg	0.0045	1	05/28/15 12:00	05/28/15 17:12	104-51-8	H1,H2
n-Propylbenzene	ND	mg/kg	0.0045	1	05/28/15 12:00	05/28/15 17:12	103-65-1	H1,H2
o-Xylene	ND	mg/kg	0.0045	1	05/28/15 12:00	05/28/15 17:12	95-47-6	H1,H2
p-Isopropyltoluene	ND	mg/kg	0.0045	1	05/28/15 12:00	05/28/15 17:12	99-87-6	H1,H2
sec-Butylbenzene	ND	mg/kg	0.0045	1	05/28/15 12:00	05/28/15 17:12	135-98-8	H1,H2
tert-Butylbenzene	ND	mg/kg	0.0045	1	05/28/15 12:00	05/28/15 17:12	98-06-6	H1,H2
trans-1,2-Dichloroethene	ND	mg/kg	0.0045	1	05/28/15 12:00	05/28/15 17:12	156-60-5	H1,H2
trans-1,3-Dichloropropene	ND	mg/kg	0.0045	1	05/28/15 12:00	05/28/15 17:12	10061-02-6	H1,H2
Surrogates								
1,2-Dichloroethane-d4 (S)	94	%.	30-150	1	05/28/15 12:00	05/28/15 17:12	17060-07-0	
Toluene-d8 (S)	101	%.	30-150	1	05/28/15 12:00	05/28/15 17:12	2037-26-5	
4-Bromofluorobenzene (S)	106	%.	30-150	1	05/28/15 12:00	05/28/15 17:12	460-00-4	

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 062175-05-01_PCC_Site Investig
Pace Project No.: 10306445

QC Batch: MERP/13560 Analysis Method: EPA 7471B
QC Batch Method: EPA 7471B Analysis Description: 7471B Mercury Solids
Associated Lab Samples: 10306445001, 10306445002, 10306445003, 10306445004, 10306445005, 10306445006, 10306445007

METHOD BLANK: 1966646 Matrix: Solid
Associated Lab Samples: 10306445001, 10306445002, 10306445003, 10306445004, 10306445005, 10306445006, 10306445007

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury	mg/kg	ND	0.017	05/24/15 16:57	

LABORATORY CONTROL SAMPLE: 1966647

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	mg/kg	.42	0.38	91	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1966648 1966649

Parameter	Units	10306270001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	mg/kg	ND	.56	.55	0.55	0.54	96	97	75-125	2	20	

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REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: 062175-05-01_PCC_Site Investig
Pace Project No.: 10306445

QC Batch: MPRP/54436 Analysis Method: EPA 6020A
QC Batch Method: EPA 3050 Analysis Description: 6020A Solids UPD4
Associated Lab Samples: 10306445001, 10306445002, 10306445003, 10306445004, 10306445005, 10306445006, 10306445007

METHOD BLANK: 1966688 Matrix: Solid
Associated Lab Samples: 10306445001, 10306445002, 10306445003, 10306445004, 10306445005, 10306445006, 10306445007

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Arsenic	mg/kg	ND	0.41	05/28/15 03:33	
Barium	mg/kg	ND	0.24	05/28/15 03:33	
Cadmium	mg/kg	ND	0.065	05/28/15 03:33	
Chromium	mg/kg	ND	0.41	05/28/15 03:33	
Lead	mg/kg	ND	0.081	05/28/15 03:33	
Selenium	mg/kg	ND	0.41	05/28/15 03:33	
Silver	mg/kg	ND	0.41	05/28/15 03:33	

LABORATORY CONTROL SAMPLE: 1966689

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Arsenic	mg/kg	14.2	13.6	96	80-120	
Barium	mg/kg	14.2	14.1	99	80-120	
Cadmium	mg/kg	14.2	13.9	98	80-120	
Chromium	mg/kg	14.2	14.2	100	80-120	
Lead	mg/kg	14.2	14.4	101	80-120	
Selenium	mg/kg	14.2	13.8	98	80-120	
Silver	mg/kg	14.2	14.2	100	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1966690 1966691

Parameter	Units	10306433001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Arsenic	mg/kg	2.5	19.8	20.4	23.4	23.3	106	102	75-125	1	20	
Barium	mg/kg	131	19.8	20.4	78.4	76.8	-265	-266	75-125	2	20	M6
Cadmium	mg/kg	ND	19.8	20.4	20.6	20.8	104	102	75-125	1	20	
Chromium	mg/kg	24.7	19.8	20.4	46.0	47.2	107	110	75-125	3	20	
Lead	mg/kg	3.0	19.8	20.4	23.9	23.8	105	102	75-125	0	20	
Selenium	mg/kg	ND	19.8	20.4	20.0	20.6	99	100	75-125	3	20	
Silver	mg/kg	ND	19.8	20.4	20.5	20.9	103	103	75-125	2	20	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
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(612)607-1700

QUALITY CONTROL DATA

Project: 062175-05-01_PCC_Site Investig
Pace Project No.: 10306445

QC Batch: MPRP/54512 Analysis Method: ASTM D2974
QC Batch Method: ASTM D2974 Analysis Description: Dry Weight/Percent Moisture
Associated Lab Samples: 10306445001, 10306445002, 10306445003, 10306445004, 10306445005, 10306445006, 10306445007

SAMPLE DUPLICATE: 1969022

Parameter	Units	10306445007 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	11.5	11.3	2	30	

SAMPLE DUPLICATE: 1969110

Parameter	Units	10306433001 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	10.7	10.3	3	30	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
1700 Elm Street - Suite 200
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(612)607-1700

QUALITY CONTROL DATA

Project: 062175-05-01_PCC_Site Investig
Pace Project No.: 10306445

QC Batch: MSV/31445 Analysis Method: EPA 8260B
QC Batch Method: EPA 5035 Low Analysis Description: 8260B MSV 5035 Low Level
Associated Lab Samples: 10306445001, 10306445002, 10306445003, 10306445004, 10306445005, 10306445006

METHOD BLANK: 1966846 Matrix: Solid
Associated Lab Samples: 10306445001, 10306445002, 10306445003, 10306445004, 10306445005, 10306445006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	mg/kg	ND	0.0040	05/21/15 18:14	
1,1,1-Trichloroethane	mg/kg	ND	0.0040	05/21/15 18:14	
1,1,2,2-Tetrachloroethane	mg/kg	ND	0.0040	05/21/15 18:14	
1,1,2-Trichloroethane	mg/kg	ND	0.0040	05/21/15 18:14	
1,1,2-Trichlorotrifluoroethane	mg/kg	ND	0.0040	05/21/15 18:14	
1,1-Dichloroethane	mg/kg	ND	0.0040	05/21/15 18:14	
1,1-Dichloroethene	mg/kg	ND	0.0040	05/21/15 18:14	
1,1-Dichloropropene	mg/kg	ND	0.0040	05/21/15 18:14	
1,2,3-Trichlorobenzene	mg/kg	ND	0.0040	05/21/15 18:14	
1,2,3-Trichloropropane	mg/kg	ND	0.0040	05/21/15 18:14	
1,2,4-Trichlorobenzene	mg/kg	ND	0.0040	05/21/15 18:14	
1,2,4-Trimethylbenzene	mg/kg	ND	0.0040	05/21/15 18:14	
1,2-Dibromo-3-chloropropane	mg/kg	ND	0.010	05/21/15 18:14	
1,2-Dibromoethane (EDB)	mg/kg	ND	0.0040	05/21/15 18:14	
1,2-Dichlorobenzene	mg/kg	ND	0.0040	05/21/15 18:14	
1,2-Dichloroethane	mg/kg	ND	0.0040	05/21/15 18:14	
1,2-Dichloroethene (Total)	mg/kg	ND	0.0080	05/21/15 18:14	
1,2-Dichloropropane	mg/kg	ND	0.0040	05/21/15 18:14	
1,3,5-Trimethylbenzene	mg/kg	ND	0.0040	05/21/15 18:14	
1,3-Dichlorobenzene	mg/kg	ND	0.0040	05/21/15 18:14	
1,3-Dichloropropane	mg/kg	ND	0.0040	05/21/15 18:14	
1,4-Dichlorobenzene	mg/kg	ND	0.0040	05/21/15 18:14	
2,2-Dichloropropane	mg/kg	ND	0.010	05/21/15 18:14	
2-Butanone (MEK)	mg/kg	ND	0.020	05/21/15 18:14	
2-Chlorotoluene	mg/kg	ND	0.0040	05/21/15 18:14	
2-Hexanone	mg/kg	ND	0.020	05/21/15 18:14	
4-Chlorotoluene	mg/kg	ND	0.0040	05/21/15 18:14	
4-Methyl-2-pentanone (MIBK)	mg/kg	ND	0.020	05/21/15 18:14	
Acetone	mg/kg	ND	0.020	05/21/15 18:14	
Benzene	mg/kg	ND	0.0040	05/21/15 18:14	
Bromobenzene	mg/kg	ND	0.0040	05/21/15 18:14	
Bromochloromethane	mg/kg	ND	0.0040	05/21/15 18:14	
Bromodichloromethane	mg/kg	ND	0.0040	05/21/15 18:14	
Bromoform	mg/kg	ND	0.020	05/21/15 18:14	
Bromomethane	mg/kg	ND	0.020	05/21/15 18:14	
Carbon disulfide	mg/kg	ND	0.0040	05/21/15 18:14	
Carbon tetrachloride	mg/kg	ND	0.0040	05/21/15 18:14	
Chlorobenzene	mg/kg	ND	0.0040	05/21/15 18:14	
Chloroethane	mg/kg	ND	0.010	05/21/15 18:14	
Chloroform	mg/kg	ND	0.0040	05/21/15 18:14	
Chloromethane	mg/kg	ND	0.010	05/21/15 18:14	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
1700 Elm Street - Suite 200
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QUALITY CONTROL DATA

Project: 062175-05-01_PCC_Site Investig
Pace Project No.: 10306445

METHOD BLANK: 1966846 Matrix: Solid
Associated Lab Samples: 10306445001, 10306445002, 10306445003, 10306445004, 10306445005, 10306445006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
cis-1,2-Dichloroethene	mg/kg	ND	0.0040	05/21/15 18:14	
cis-1,3-Dichloropropene	mg/kg	ND	0.0040	05/21/15 18:14	
Dibromochloromethane	mg/kg	ND	0.0040	05/21/15 18:14	
Dibromomethane	mg/kg	ND	0.0040	05/21/15 18:14	
Dichlorodifluoromethane	mg/kg	ND	0.010	05/21/15 18:14	
Dichlorofluoromethane	mg/kg	ND	0.0040	05/21/15 18:14	
Ethylbenzene	mg/kg	ND	0.0040	05/21/15 18:14	
Hexachloro-1,3-butadiene	mg/kg	ND	0.010	05/21/15 18:14	
Isopropylbenzene (Cumene)	mg/kg	ND	0.0040	05/21/15 18:14	
m&p-Xylene	mg/kg	ND	0.0080	05/21/15 18:14	
Methyl-tert-butyl ether	mg/kg	ND	0.0040	05/21/15 18:14	
Methylene Chloride	mg/kg	ND	0.020	05/21/15 18:14	
n-Butylbenzene	mg/kg	ND	0.0040	05/21/15 18:14	
n-Propylbenzene	mg/kg	ND	0.0040	05/21/15 18:14	
Naphthalene	mg/kg	ND	0.010	05/21/15 18:14	
o-Xylene	mg/kg	ND	0.0040	05/21/15 18:14	
p-Isopropyltoluene	mg/kg	ND	0.0040	05/21/15 18:14	
sec-Butylbenzene	mg/kg	ND	0.0040	05/21/15 18:14	
Styrene	mg/kg	ND	0.0040	05/21/15 18:14	
tert-Butylbenzene	mg/kg	ND	0.0040	05/21/15 18:14	
Tetrachloroethene	mg/kg	ND	0.0040	05/21/15 18:14	
Toluene	mg/kg	ND	0.0040	05/21/15 18:14	
trans-1,2-Dichloroethene	mg/kg	ND	0.0040	05/21/15 18:14	
trans-1,3-Dichloropropene	mg/kg	ND	0.0040	05/21/15 18:14	
Trichloroethene	mg/kg	ND	0.0040	05/21/15 18:14	
Trichlorofluoromethane	mg/kg	ND	0.010	05/21/15 18:14	
Vinyl chloride	mg/kg	ND	0.0040	05/21/15 18:14	
Xylene (Total)	mg/kg	ND	0.012	05/21/15 18:14	
1,2-Dichloroethane-d4 (S)	%.	92	30-150	05/21/15 18:14	
4-Bromofluorobenzene (S)	%.	104	30-150	05/21/15 18:14	
Toluene-d8 (S)	%.	102	30-150	05/21/15 18:14	

LABORATORY CONTROL SAMPLE & LCSD: 1966847 1966848

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
1,1,1,2-Tetrachloroethane	mg/kg	.02	0.020	0.019	99	96	75-125	3	20	
1,1,1-Trichloroethane	mg/kg	.02	0.019	0.018	93	92	67-125	2	20	
1,1,2,2-Tetrachloroethane	mg/kg	.02	0.020	0.019	100	97	70-125	4	20	
1,1,2-Trichloroethane	mg/kg	.02	0.021	0.020	104	100	75-125	4	20	
1,1,2-Trichlorotrifluoroethane	mg/kg	.02	0.016	0.016	78	78	59-127	1	20	
1,1-Dichloroethane	mg/kg	.02	0.020	0.019	99	95	62-128	4	20	
1,1-Dichloroethene	mg/kg	.02	0.017	0.016	84	81	60-132	3	20	
1,1-Dichloropropene	mg/kg	.02	0.018	0.018	91	92	63-126	1	20	
1,2,3-Trichlorobenzene	mg/kg	.02	0.019	0.019	94	95	58-125	2	20	

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REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: 062175-05-01_PCC_Site Investig
Pace Project No.: 10306445

LABORATORY CONTROL SAMPLE & LCSD: 1966847 1966848

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
1,2,3-Trichloropropane	mg/kg	.02	0.021	0.020	104	100	72-125	4	20	
1,2,4-Trichlorobenzene	mg/kg	.02	0.018	0.017	89	87	61-125	3	20	
1,2,4-Trimethylbenzene	mg/kg	.02	0.019	0.019	94	94	73-125	1	20	
1,2-Dibromo-3-chloropropane	mg/kg	.05	0.049	0.045	98	90	58-126	9	20	
1,2-Dibromoethane (EDB)	mg/kg	.02	0.020	0.020	101	99	74-125	2	20	
1,2-Dichlorobenzene	mg/kg	.02	0.020	0.019	98	94	74-125	4	20	
1,2-Dichloroethane	mg/kg	.02	0.020	0.019	98	95	69-125	3	20	
1,2-Dichloroethene (Total)	mg/kg	.04	0.037	0.036	92	90	73-125	2	20	
1,2-Dichloropropane	mg/kg	.02	0.020	0.020	99	98	69-125	1	20	
1,3,5-Trimethylbenzene	mg/kg	.02	0.018	0.019	92	93	70-125	1	20	
1,3-Dichlorobenzene	mg/kg	.02	0.019	0.019	93	93	74-125	1	20	
1,3-Dichloropropane	mg/kg	.02	0.020	0.019	101	95	75-125	5	20	
1,4-Dichlorobenzene	mg/kg	.02	0.018	0.018	92	92	72-125	0	20	
2,2-Dichloropropane	mg/kg	.02	0.018	0.017	91	87	56-131	4	20	
2-Butanone (MEK)	mg/kg	.1	0.092	0.084	92	84	46-133	9	20	
2-Chlorotoluene	mg/kg	.02	0.019	0.019	96	96	71-125	1	20	
2-Hexanone	mg/kg	.1	0.094	0.089	94	89	62-125	5	20	
4-Chlorotoluene	mg/kg	.02	0.019	0.019	93	93	73-125	0	20	
4-Methyl-2-pentanone (MIBK)	mg/kg	.1	0.095	0.091	95	91	57-125	4	20	
Acetone	mg/kg	.1	0.10	0.096	105	96	64-130	8	20	
Benzene	mg/kg	.02	0.018	0.018	90	88	66-125	2	20	
Bromobenzene	mg/kg	.02	0.020	0.019	98	96	71-125	2	20	
Bromochloromethane	mg/kg	.02	0.020	0.019	100	97	71-125	3	20	
Bromodichloromethane	mg/kg	.02	0.019	0.019	97	96	74-125	1	20	
Bromoform	mg/kg	.02	ND	.018J	99	91	73-125		20	
Bromomethane	mg/kg	.02	0.023	0.022	113	108	58-150	5	20	
Carbon disulfide	mg/kg	.02	0.014	0.014	72	71	62-128	1	20	
Carbon tetrachloride	mg/kg	.02	0.019	0.019	97	95	66-125	2	20	
Chlorobenzene	mg/kg	.02	0.019	0.019	96	94	75-125	3	20	
Chloroethane	mg/kg	.02	0.023	0.022	113	110	59-144	3	20	
Chloroform	mg/kg	.02	0.019	0.019	93	93	71-125	0	20	
Chloromethane	mg/kg	.02	0.020	0.021	102	104	48-140	1	20	
cis-1,2-Dichloroethene	mg/kg	.02	0.019	0.019	95	95	72-125	1	20	
cis-1,3-Dichloropropene	mg/kg	.02	0.019	0.019	97	97	66-127	0	20	
Dibromochloromethane	mg/kg	.02	0.020	0.020	102	98	75-125	4	20	
Dibromomethane	mg/kg	.02	0.020	0.019	99	93	71-125	6	20	
Dichlorodifluoromethane	mg/kg	.02	0.019	0.018	96	91	30-139	6	20	
Dichlorofluoromethane	mg/kg	.02	0.021	0.022	105	112	30-150	6	20	
Ethylbenzene	mg/kg	.02	0.018	0.018	92	91	68-125	1	20	
Hexachloro-1,3-butadiene	mg/kg	.02	0.019	0.019	96	96	57-128	0	20	
Isopropylbenzene (Cumene)	mg/kg	.02	0.019	0.019	96	94	70-125	2	20	
m&p-Xylene	mg/kg	.04	0.038	0.037	95	93	69-125	2	20	
Methyl-tert-butyl ether	mg/kg	.02	0.020	0.019	100	95	65-125	5	20	
Methylene Chloride	mg/kg	.02	.019J	.017J	96	83	67-125		20	
n-Butylbenzene	mg/kg	.02	0.018	0.017	88	86	68-125	3	20	
n-Propylbenzene	mg/kg	.02	0.019	0.019	95	94	70-125	0	20	
Naphthalene	mg/kg	.02	0.017	0.018	87	89	58-125	2	20	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
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Minneapolis, MN 55414
(612)607-1700

QUALITY CONTROL DATA

Project: 062175-05-01_PCC_Site Investig
Pace Project No.: 10306445

LABORATORY CONTROL SAMPLE & LCSD: 1966847 1966848

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
o-Xylene	mg/kg	.02	0.018	0.018	92	92	73-125	0	20	
p-Isopropyltoluene	mg/kg	.02	0.017	0.017	87	86	70-125	1	20	
sec-Butylbenzene	mg/kg	.02	0.019	0.019	96	96	69-125	0	20	
Styrene	mg/kg	.02	0.019	0.019	96	95	72-125	1	20	
tert-Butylbenzene	mg/kg	.02	0.018	0.018	90	91	70-125	0	20	
Tetrachloroethene	mg/kg	.02	0.018	0.018	90	90	73-125	0	20	
Toluene	mg/kg	.02	0.018	0.018	90	89	68-125	1	20	
trans-1,2-Dichloroethene	mg/kg	.02	0.018	0.017	88	85	72-125	4	20	
trans-1,3-Dichloropropene	mg/kg	.02	0.020	0.019	99	96	74-125	4	20	
Trichloroethene	mg/kg	.02	0.017	0.017	87	87	75-125	0	20	
Trichlorofluoromethane	mg/kg	.02	0.018	0.018	92	92	55-140	0	20	
Vinyl chloride	mg/kg	.02	0.021	0.021	105	105	56-130	0	20	
Xylene (Total)	mg/kg	.06	0.056	0.056	94	93	71-125	1	20	
1,2-Dichloroethane-d4 (S)	%.				102	99	30-150			
4-Bromofluorobenzene (S)	%.				99	99	30-150			
Toluene-d8 (S)	%.				101	103	30-150			

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
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QUALITY CONTROL DATA

Project: 062175-05-01_PCC_Site Investig
Pace Project No.: 10306445

QC Batch: MSV/31585
QC Batch Method: EPA 5035 Low
Analysis Method: EPA 8260B
Analysis Description: 8260B MSV 5035 Low Level
Associated Lab Samples: 10306445007

METHOD BLANK: 1978582
Matrix: Solid
Associated Lab Samples: 10306445007

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	mg/kg	ND	0.0040	05/28/15 16:53	
1,1,1-Trichloroethane	mg/kg	ND	0.0040	05/28/15 16:53	
1,1,2,2-Tetrachloroethane	mg/kg	ND	0.0040	05/28/15 16:53	
1,1,2-Trichloroethane	mg/kg	ND	0.0040	05/28/15 16:53	
1,1,2-Trichlorotrifluoroethane	mg/kg	ND	0.0040	05/28/15 16:53	
1,1-Dichloroethane	mg/kg	ND	0.0040	05/28/15 16:53	
1,1-Dichloroethene	mg/kg	ND	0.0040	05/28/15 16:53	
1,1-Dichloropropene	mg/kg	ND	0.0040	05/28/15 16:53	
1,2,3-Trichlorobenzene	mg/kg	ND	0.0040	05/28/15 16:53	
1,2,3-Trichloropropane	mg/kg	ND	0.0040	05/28/15 16:53	
1,2,4-Trichlorobenzene	mg/kg	ND	0.0040	05/28/15 16:53	
1,2,4-Trimethylbenzene	mg/kg	ND	0.0040	05/28/15 16:53	
1,2-Dibromo-3-chloropropane	mg/kg	ND	0.010	05/28/15 16:53	
1,2-Dibromoethane (EDB)	mg/kg	ND	0.0040	05/28/15 16:53	
1,2-Dichlorobenzene	mg/kg	ND	0.0040	05/28/15 16:53	
1,2-Dichloroethane	mg/kg	ND	0.0040	05/28/15 16:53	
1,2-Dichloroethene (Total)	mg/kg	ND	0.0080	05/28/15 16:53	
1,2-Dichloropropane	mg/kg	ND	0.0040	05/28/15 16:53	
1,3,5-Trimethylbenzene	mg/kg	ND	0.0040	05/28/15 16:53	
1,3-Dichlorobenzene	mg/kg	ND	0.0040	05/28/15 16:53	
1,3-Dichloropropane	mg/kg	ND	0.0040	05/28/15 16:53	
1,4-Dichlorobenzene	mg/kg	ND	0.0040	05/28/15 16:53	
2,2-Dichloropropane	mg/kg	ND	0.010	05/28/15 16:53	
2-Butanone (MEK)	mg/kg	ND	0.020	05/28/15 16:53	
2-Chlorotoluene	mg/kg	ND	0.0040	05/28/15 16:53	
2-Hexanone	mg/kg	ND	0.020	05/28/15 16:53	
4-Chlorotoluene	mg/kg	ND	0.0040	05/28/15 16:53	
4-Methyl-2-pentanone (MIBK)	mg/kg	ND	0.020	05/28/15 16:53	
Acetone	mg/kg	ND	0.020	05/28/15 16:53	
Benzene	mg/kg	ND	0.0040	05/28/15 16:53	
Bromobenzene	mg/kg	ND	0.0040	05/28/15 16:53	
Bromochloromethane	mg/kg	ND	0.0040	05/28/15 16:53	
Bromodichloromethane	mg/kg	ND	0.0040	05/28/15 16:53	
Bromoform	mg/kg	ND	0.020	05/28/15 16:53	
Bromomethane	mg/kg	ND	0.020	05/28/15 16:53	
Carbon disulfide	mg/kg	ND	0.0040	05/28/15 16:53	
Carbon tetrachloride	mg/kg	ND	0.0040	05/28/15 16:53	
Chlorobenzene	mg/kg	ND	0.0040	05/28/15 16:53	
Chloroethane	mg/kg	ND	0.010	05/28/15 16:53	
Chloroform	mg/kg	ND	0.0040	05/28/15 16:53	
Chloromethane	mg/kg	ND	0.010	05/28/15 16:53	

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

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

QUALITY CONTROL DATA

Project: 062175-05-01_PCC_Site Investig
Pace Project No.: 10306445

METHOD BLANK: 1978582 Matrix: Solid
Associated Lab Samples: 10306445007

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
cis-1,2-Dichloroethene	mg/kg	ND	0.0040	05/28/15 16:53	
cis-1,3-Dichloropropene	mg/kg	ND	0.0040	05/28/15 16:53	
Dibromochloromethane	mg/kg	ND	0.0040	05/28/15 16:53	
Dibromomethane	mg/kg	ND	0.0040	05/28/15 16:53	
Dichlorodifluoromethane	mg/kg	ND	0.010	05/28/15 16:53	
Dichlorofluoromethane	mg/kg	ND	0.0040	05/28/15 16:53	
Ethylbenzene	mg/kg	ND	0.0040	05/28/15 16:53	
Hexachloro-1,3-butadiene	mg/kg	ND	0.010	05/28/15 16:53	
Isopropylbenzene (Cumene)	mg/kg	ND	0.0040	05/28/15 16:53	
m&p-Xylene	mg/kg	ND	0.0080	05/28/15 16:53	
Methyl-tert-butyl ether	mg/kg	ND	0.0040	05/28/15 16:53	
Methylene Chloride	mg/kg	ND	0.020	05/28/15 16:53	
n-Butylbenzene	mg/kg	ND	0.0040	05/28/15 16:53	
n-Propylbenzene	mg/kg	ND	0.0040	05/28/15 16:53	
Naphthalene	mg/kg	ND	0.010	05/28/15 16:53	
o-Xylene	mg/kg	ND	0.0040	05/28/15 16:53	
p-Isopropyltoluene	mg/kg	ND	0.0040	05/28/15 16:53	
sec-Butylbenzene	mg/kg	ND	0.0040	05/28/15 16:53	
Styrene	mg/kg	ND	0.0040	05/28/15 16:53	
tert-Butylbenzene	mg/kg	ND	0.0040	05/28/15 16:53	
Tetrachloroethene	mg/kg	ND	0.0040	05/28/15 16:53	
Toluene	mg/kg	ND	0.0040	05/28/15 16:53	
trans-1,2-Dichloroethene	mg/kg	ND	0.0040	05/28/15 16:53	
trans-1,3-Dichloropropene	mg/kg	ND	0.0040	05/28/15 16:53	
Trichloroethene	mg/kg	ND	0.0040	05/28/15 16:53	
Trichlorofluoromethane	mg/kg	ND	0.010	05/28/15 16:53	
Vinyl chloride	mg/kg	ND	0.0040	05/28/15 16:53	
Xylene (Total)	mg/kg	ND	0.012	05/28/15 16:53	
1,2-Dichloroethane-d4 (S)	%.	85	30-150	05/28/15 16:53	
4-Bromofluorobenzene (S)	%.	107	30-150	05/28/15 16:53	
Toluene-d8 (S)	%.	104	30-150	05/28/15 16:53	

LABORATORY CONTROL SAMPLE & LCSD: 1978583 1978584

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
1,1,1,2-Tetrachloroethane	mg/kg	.02	0.018	0.018	91	90	75-125	2	20	
1,1,1-Trichloroethane	mg/kg	.02	0.019	0.017	93	87	67-125	6	20	
1,1,2,2-Tetrachloroethane	mg/kg	.02	0.018	0.018	92	92	70-125	0	20	
1,1,2-Trichloroethane	mg/kg	.02	0.019	0.019	95	97	75-125	1	20	
1,1,2-Trichlorotrifluoroethane	mg/kg	.02	0.038	0.036	192	181	59-127	6	20	CH,L0
1,1-Dichloroethane	mg/kg	.02	0.019	0.019	94	94	62-128	0	20	
1,1-Dichloroethene	mg/kg	.02	0.020	0.019	100	94	60-132	6	20	
1,1-Dichloropropene	mg/kg	.02	0.022	0.021	112	105	63-126	6	20	
1,2,3-Trichlorobenzene	mg/kg	.02	0.023	0.022	114	110	58-125	4	20	

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REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: 062175-05-01_PCC_Site Investig
Pace Project No.: 10306445

LABORATORY CONTROL SAMPLE & LCSD: 1978583 1978584

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
1,2,3-Trichloropropane	mg/kg	.02	0.019	0.020	93	101	72-125	8	20	
1,2,4-Trichlorobenzene	mg/kg	.02	0.025	0.023	123	115	61-125	7	20	
1,2,4-Trimethylbenzene	mg/kg	.02	0.023	0.022	113	108	73-125	4	20	
1,2-Dibromo-3-chloropropane	mg/kg	.05	0.049	0.045	99	91	58-126	9	20	
1,2-Dibromoethane (EDB)	mg/kg	.02	0.020	0.020	99	98	74-125	1	20	
1,2-Dichlorobenzene	mg/kg	.02	0.021	0.020	106	100	74-125	5	20	
1,2-Dichloroethane	mg/kg	.02	0.018	0.018	90	89	69-125	1	20	
1,2-Dichloroethene (Total)	mg/kg	.04	0.039	0.038	99	96	73-125	3	20	
1,2-Dichloropropane	mg/kg	.02	0.020	0.019	98	97	69-125	1	20	
1,3,5-Trimethylbenzene	mg/kg	.02	0.021	0.021	107	103	70-125	4	20	
1,3-Dichlorobenzene	mg/kg	.02	0.020	0.020	101	98	74-125	2	20	
1,3-Dichloropropane	mg/kg	.02	0.019	0.019	94	95	75-125	1	20	
1,4-Dichlorobenzene	mg/kg	.02	0.020	0.019	99	96	72-125	3	20	
2,2-Dichloropropane	mg/kg	.02	0.020	0.019	100	93	56-131	7	20	
2-Butanone (MEK)	mg/kg	.1	0.088	0.088	88	88	46-133	0	20	
2-Chlorotoluene	mg/kg	.02	0.021	0.020	105	101	71-125	4	20	
2-Hexanone	mg/kg	.1	0.092	0.094	92	94	62-125	2	20	
4-Chlorotoluene	mg/kg	.02	0.022	0.020	108	102	73-125	6	20	
4-Methyl-2-pentanone (MIBK)	mg/kg	.1	0.091	0.093	91	93	57-125	3	20	
Acetone	mg/kg	.1	0.10	0.10	100	101	64-130	1	20	
Benzene	mg/kg	.02	0.019	0.018	94	92	66-125	3	20	
Bromobenzene	mg/kg	.02	0.020	0.019	99	97	71-125	2	20	
Bromochloromethane	mg/kg	.02	0.019	0.019	97	96	71-125	0	20	
Bromodichloromethane	mg/kg	.02	0.018	0.018	92	89	74-125	3	20	
Bromoform	mg/kg	.02	.018J	.018J	88	88	73-125		20	
Bromomethane	mg/kg	.02	.018J	.018J	89	88	58-150		20	
Carbon disulfide	mg/kg	.02	0.021	0.019	103	97	62-128	6	20	
Carbon tetrachloride	mg/kg	.02	0.020	0.019	98	95	66-125	3	20	
Chlorobenzene	mg/kg	.02	0.019	0.019	97	95	75-125	2	20	
Chloroethane	mg/kg	.02	0.021	0.023	106	114	59-144	7	20	
Chloroform	mg/kg	.02	0.017	0.017	87	85	71-125	3	20	
Chloromethane	mg/kg	.02	0.018	0.018	88	89	48-140	1	20	
cis-1,2-Dichloroethene	mg/kg	.02	0.020	0.020	99	98	72-125	1	20	
cis-1,3-Dichloropropene	mg/kg	.02	0.021	0.021	106	104	66-127	2	20	
Dibromochloromethane	mg/kg	.02	0.018	0.018	92	92	75-125	0	20	
Dibromomethane	mg/kg	.02	0.019	0.018	97	92	71-125	5	20	
Dichlorodifluoromethane	mg/kg	.02	0.025	0.023	123	114	30-139	7	20	
Dichlorofluoromethane	mg/kg	.02	0.022	0.021	110	104	30-150	6	20	
Ethylbenzene	mg/kg	.02	0.020	0.019	102	97	68-125	4	20	
Hexachloro-1,3-butadiene	mg/kg	.02	0.023	0.021	116	107	57-128	8	20	
Isopropylbenzene (Cumene)	mg/kg	.02	0.022	0.021	111	106	70-125	4	20	
m&p-Xylene	mg/kg	.04	0.043	0.042	109	104	69-125	4	20	
Methyl-tert-butyl ether	mg/kg	.02	0.020	0.020	98	101	65-125	3	20	
Methylene Chloride	mg/kg	.02	0.026	0.025	131	127	67-125	3	20	L0
n-Butylbenzene	mg/kg	.02	0.024	0.021	118	106	68-125	10	20	
n-Propylbenzene	mg/kg	.02	0.022	0.021	110	105	70-125	5	20	
Naphthalene	mg/kg	.02	0.023	0.023	113	115	58-125	2	20	

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

REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: 062175-05-01_PCC_Site Investig
Pace Project No.: 10306445

LABORATORY CONTROL SAMPLE & LCSD: 1978583 1978584

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
o-Xylene	mg/kg	.02	0.021	0.021	106	103	73-125	4	20	
p-Isopropyltoluene	mg/kg	.02	0.022	0.021	112	104	70-125	8	20	
sec-Butylbenzene	mg/kg	.02	0.023	0.022	115	110	69-125	5	20	
Styrene	mg/kg	.02	0.021	0.021	106	104	72-125	2	20	
tert-Butylbenzene	mg/kg	.02	0.021	0.020	103	99	70-125	4	20	
Tetrachloroethene	mg/kg	.02	0.021	0.019	105	97	73-125	9	20	
Toluene	mg/kg	.02	0.020	0.019	100	96	68-125	4	20	
trans-1,2-Dichloroethene	mg/kg	.02	0.020	0.019	98	94	72-125	4	20	
trans-1,3-Dichloropropene	mg/kg	.02	0.020	0.019	99	95	74-125	5	20	
Trichloroethene	mg/kg	.02	0.019	0.018	94	90	75-125	4	20	
Trichlorofluoromethane	mg/kg	.02	0.021	0.020	106	100	55-140	6	20	
Vinyl chloride	mg/kg	.02	0.020	0.019	99	93	56-130	6	20	
Xylene (Total)	mg/kg	.06	0.065	0.062	108	104	71-125	4	20	
1,2-Dichloroethane-d4 (S)	%.				89	89	30-150			
4-Bromofluorobenzene (S)	%.				101	102	30-150			
Toluene-d8 (S)	%.				100	101	30-150			

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REPORT OF LABORATORY ANALYSIS

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

QUALIFIERS

Project: 062175-05-01_PCC_Site Investig
Pace Project No.: 10306445

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.

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

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit.

S - Surrogate

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

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

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

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

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

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

TNI - The NELAC Institute.

LABORATORIES

PASI-M	Pace Analytical Services - Minneapolis

BATCH QUALIFIERS

Batch: MSV/31556

[M5]	A matrix spike/matrix spike duplicate was not performed for this batch due to insufficient sample volume.

Batch: MSV/31594

[M5]	A matrix spike/matrix spike duplicate was not performed for this batch due to insufficient sample volume.

ANALYTE QUALIFIERS

CH	The continuing calibration for this compound is outside of Pace Analytical acceptance limits. The results may be biased high.
E	Analyte concentration exceeded the calibration range. The reported result is estimated.
H1	Analysis conducted outside the recognized method holding time.
H2	Extraction or preparation was conducted outside of the recognized method holding time.
L0	Analyte recovery in the laboratory control sample (LCS) was outside QC limits.
L1	Analyte recovery in the laboratory control sample (LCS) was above QC limits. Results may be biased high.
L3	Analyte recovery in the laboratory control sample (LCS) exceeded QC limits. Analyte presence below reporting limits in associated samples. Results unaffected by high bias.
M6	Matrix spike and Matrix spike duplicate recovery not evaluated against control limits due to sample dilution.

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

METHOD CROSS REFERENCE TABLE

Project: 062175-05-01_PCC_Site Investig
Pace Project No.: 10306445

Parameter	Matrix	Analytical Method	Preparation Method
8260B MSV 5035 Low Level	Solid	SW-846 8260B	SW-846 5035A/5030B

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

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 062175-05-01_PCC_Site Investig
Pace Project No.: 10306445

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
10306445001	SO-062175-051315-JS-SB-3-5	EPA 3050	MPRP/54436	EPA 6020A	ICPM/24451
10306445002	SO-062175-051315-JS-SB-3-10	EPA 3050	MPRP/54436	EPA 6020A	ICPM/24451
10306445003	SO-062175-051315-JS-SB-3-14	EPA 3050	MPRP/54436	EPA 6020A	ICPM/24451
10306445004	SO-062175-051315-JS-SB-4-5	EPA 3050	MPRP/54436	EPA 6020A	ICPM/24451
10306445005	SO-062175-051315-JS-SB-4-10	EPA 3050	MPRP/54436	EPA 6020A	ICPM/24451
10306445006	SO-062175-051315-JS-SB-4-15	EPA 3050	MPRP/54436	EPA 6020A	ICPM/24451
10306445007	SO-062175-051315-JS-SB-2-5	EPA 3050	MPRP/54436	EPA 6020A	ICPM/24451
10306445001	SO-062175-051315-JS-SB-3-5	EPA 7471B	MERP/13560	EPA 7471B	MERC/15836
10306445002	SO-062175-051315-JS-SB-3-10	EPA 7471B	MERP/13560	EPA 7471B	MERC/15836
10306445003	SO-062175-051315-JS-SB-3-14	EPA 7471B	MERP/13560	EPA 7471B	MERC/15836
10306445004	SO-062175-051315-JS-SB-4-5	EPA 7471B	MERP/13560	EPA 7471B	MERC/15836
10306445005	SO-062175-051315-JS-SB-4-10	EPA 7471B	MERP/13560	EPA 7471B	MERC/15836
10306445006	SO-062175-051315-JS-SB-4-15	EPA 7471B	MERP/13560	EPA 7471B	MERC/15836
10306445007	SO-062175-051315-JS-SB-2-5	EPA 7471B	MERP/13560	EPA 7471B	MERC/15836
10306445001	SO-062175-051315-JS-SB-3-5	ASTM D2974	MPRP/54512		
10306445002	SO-062175-051315-JS-SB-3-10	ASTM D2974	MPRP/54512		
10306445003	SO-062175-051315-JS-SB-3-14	ASTM D2974	MPRP/54512		
10306445004	SO-062175-051315-JS-SB-4-5	ASTM D2974	MPRP/54512		
10306445005	SO-062175-051315-JS-SB-4-10	ASTM D2974	MPRP/54512		
10306445006	SO-062175-051315-JS-SB-4-15	ASTM D2974	MPRP/54512		
10306445007	SO-062175-051315-JS-SB-2-5	ASTM D2974	MPRP/54512		
10306445001	SO-062175-051315-JS-SB-3-5	EPA 5035 Low	MSV/31445	EPA 8260B	MSV/31556
10306445002	SO-062175-051315-JS-SB-3-10	EPA 5035 Low	MSV/31445	EPA 8260B	MSV/31556
10306445003	SO-062175-051315-JS-SB-3-14	EPA 5035 Low	MSV/31445	EPA 8260B	MSV/31556
10306445004	SO-062175-051315-JS-SB-4-5	EPA 5035 Low	MSV/31445	EPA 8260B	MSV/31556
10306445005	SO-062175-051315-JS-SB-4-10	EPA 5035 Low	MSV/31445	EPA 8260B	MSV/31556
10306445006	SO-062175-051315-JS-SB-4-15	EPA 5035 Low	MSV/31445	EPA 8260B	MSV/31556
10306445007	SO-062175-051315-JS-SB-2-5	EPA 5035 Low	MSV/31585	EPA 8260B	MSV/31594

5/28/15

Pace Analytical

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

10306445

Page : 1 of 1

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company:	CRA	Report To:	cmcclelland@CRAworld.com	Attention:	Accounts Payable
Address:	20818 44th Ave W, Suite 180	Copy To:	jcloud@craworld.com	Company Name:	CRA
	Lynnwood, WA 98036	Copy To:	jsong@craworld.com	Address:	20818 44th Ave W, Lynnwood 98036
Email To:	cmcclelland@CRAworld.com	Purchase Order No.		Pace Quote Reference:	
Phone:	Fax	Client Project ID:	062175-05-01 PCC Site Investigation	Pace Project Manager:	Jenni Gross
Requested Due Date/TAT:	10 Day (Standard)	Container Order Number:		Pace Profile #:	35203 #1

Regulatory Agency:

State / Location: Kent/ WA

ITEM #	SAMPLE ID (One Character per box. (A-Z, 0-9 / , -) Sample Ids must be unique)	MATRIX CODE (use valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED START DATE	COLLECTED START TIME	COLLECTED END DATE	COLLECTED END TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H2SO4	HNO3	HCl	NaOH	Na2S2O3	Methanol	Terracore Kit	Analysis Test: 5035/8260 VOCs	6020/7471 Total RCRA 8	Residual Chlorine (Y/N)	
1	SO-062175-051315-JS-SB-3-5	SL	G	5/13/15	1250				6	1							1	X	X		WL
2	SO-062175-051315-JS-SB-3-10	SL	G	5/13/15	1300				6	1							1	X	X		WL2
3	SO-062175-051315-JS-SB-3-14	SL	G	5/13/15	1310				6	1							1	X	X		WL3
4	SO-062175-051315-JS-SB-4-5	SL	G	5/13/15	1400				6	1							1	X	X		WL4
5	SO-062175-051315-JS-SB-4-10	SL	G	5/13/15	1410				6	1							1	X	X		WL5
6	SO-062175-051315-JS-SB-4-15	SL	G	5/13/15	1420				6	1							1	X	X		WL6
7	SO-062175-051315-JS-SB-2-5	SL	G	5/12/15	1500				6	1							1	X	X		WL7
8	SO-062175-051315-JS-SB-2-10	SL	G	5/12/15	1510	JS	5/13/15		6	1							1	X	X	JS 5/13/15	
9	SO-062175-051315-JS-SB-2-14	SL	G	5/12/15	1520	JS	5/13/15		6	1							1	X	X	JS 5/13/15	
10		SL	G							1							1				
11		SL	G							1							1				
12		SL	G							1							1				

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
	Jing Song	5/13/15	1530	PACE	5/13/15	1570	4.7	Y	N	Y

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Jing Song

SIGNATURE of SAMPLER: Jing Song

DATE Signed: 5/13/15

TEMP in C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)

Pace Analytical	Document Name: Sample Condition Upon Receipt Form	Document Revised: 23Feb2015 Page 1 of 1
	Document No.: F-MN-L-213-rev.13	Issuing Authority: Pace Minnesota Quality Office

Sample Condition Upon Receipt **Client Name:** CRA **Project #:** WO# : 10306445

10306445

Courier: ☑ Fed Ex ☐ UPS ☐ USPS ☐ Client
☐ Commercial ☐ Pace ☐ SpeeDee ☐ Other:
Tracking Number: 5274 5333 3595

Custody Seal on Cooler/Box Present? ☑ Yes ☐ No Seals Intact? ☑ Yes ☐ No Optional: Proj. Due Date: Proj. Name:

Packing Material: ☐ Bubble Wrap ☑ Bubble Bags ☐ None ☐ Other: Temp Blank? ☑ Yes ☐ No

Thermometer Used: ☑ 888A9130516413 ☐ 888A912167504 ☐ 888A0143310098 Type of Ice: ☑ Wet ☐ Blue ☐ None ☐ Samples on ice, cooling process has begun

Cooler Temp Read (°C): 4.4 Cooler Temp Corrected (°C): 4.7 Biological Tissue Frozen? ☐ Yes ☐ No ☑ N/A
Temp should be above freezing to 6°C Correction Factor: +0.3 Date and Initials of Person Examining Contents: 5-14-15 MA
USDA Regulated Soil (☐ N/A, water sample)
Did samples originate in a quarantine zone within the United States: AL, AR, AZ, CA, FL, GA, ID, LA, MS, NC, NM, NY, OK, OR, SC, TN, TX or WA (check maps)? ☑ Yes ☐ No
Did samples originate from a foreign source (internationally, including Hawaii and Puerto Rico)? ☐ Yes ☑ No
If Yes to either question, fill out a Regulated Soil Checklist (F-MN-Q-338) and include with SCUR/COC paperwork.

				COMMENTS:
Chain of Custody Present?	☑ Yes	☐ No	☐ N/A	1.
Chain of Custody Filled Out?	☑ Yes	☐ No	☐ N/A	2.
Chain of Custody Relinquished?	☑ Yes	☐ No	☐ N/A	3.
Sampler Name and/or Signature on COC?	☑ Yes	☐ No	☐ N/A	4.
Samples Arrived within Hold Time?	☑ Yes	☐ No	☐ N/A	5.
Short Hold Time Analysis (<72 hr)?	☐ Yes	☑ No	☐ N/A	6.
Rush Turn Around Time Requested?	☐ Yes	☑ No	☐ N/A	7.
Sufficient Volume?	☑ Yes	☐ No	☐ N/A	8.
Correct Containers Used?	☑ Yes	☐ No	☐ N/A	9.
-Pace Containers Used?	☑ Yes	☐ No	☐ N/A	
Containers Intact?	☑ Yes	☐ No	☐ N/A	10.
Filtered Volume Received for Dissolved Tests?	☐ Yes	☐ No	☑ N/A	11. Note if sediment is visible in the dissolved container
Sample Labels Match COC?	☑ Yes	☐ No	☐ N/A	12.
-Includes Date/Time/ID/Analysis Matrix: SL				
All containers needing acid/base preservation have been checked?	☐ Yes	☐ No	☑ N/A	13. ☐ HNO_3 ☐ H_2SO_4 ☐ NaOH ☐ HCl
All containers needing preservation are found to be in compliance with EPA recommendation? (HNO_3, H_2SO_4, HCl<2; NaOH >9 Sulfide, NaOH>12 Cyanide) Exceptions: VOA, Coliform, TOC, Oil and Grease, DRO/8015 (water) DOC	☐ Yes	☐ No	☑ N/A	Sample #
	☐ Yes	☐ No	☐ N/A	Initial when completed: Lot # of added preservative:
Headspace in VOA Vials (>6mm)?	☐ Yes	☐ No	☑ N/A	14.
Trip Blank Present?	☐ Yes	☑ No	☐ N/A	15.
Trip Blank Custody Seals Present?	☐ Yes	☐ No	☑ N/A	
Pace Trip Blank Lot # (if purchased):				

CLIENT NOTIFICATION/RESOLUTION Field Data Required? ☐ Yes ☑ No

Person Contacted: Date/Time:

Comments/Resolution:

Project Manager Review: ENM Scott Date: 5/15/15

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DENR Certification Office (i.e. out of hold, incorrect preservative, out of temp, incorrect container).

Pace Analytical	Document Name: Regulated Soil Checklist	Document Revised: 13Feb2015 Page 1 of 1
	Document No.: F-MN-Q-338-Rev.00	Issuing Authority: Pace Minnesota Quality Office

10306445

USDA REGULATED AND DOMESTIC SOIL CHECKLIST

To Be Completed by SR Staff:

Project: 06n175-05-01 PCC Site Date: 5-14-15 Initials: WRM

Sample Origin (circle one): (DOMESTIC) FOREIGN

(Note: soil samples from Hawaii and Puerto Rico are considered to be of a Foreign Source)

If Domestic, circle State of Origin: AL AR AZ CA FL GA ID LA MS NC NM NY OK OR SC TN TX (WA)

If Foreign, list County of Origin: _____

REQUIREMENT	ACTION	COMPLETED
"Special Handling" stickers are to be placed on all samples.	Did "special handling" stickers get placed on all sample containers?	(YES) NO
Samples must be segregated and stored in designated bins, shelves and coolers.	Were samples placed in a designated cooler, containers and shelves?	(YES) NO
Samples must be double contained to prevent accidental release.	Were there any signs of breakage or leakage (check for broken glass and/or loose soil in the cooler)? *If NO, ice and melt water can be disposed of by normal process (down the drain).*	YES (NO)
	If YES, were ice and melt water separated from the cooler and disposed of properly?	YES NO (N/A)
	Any broken glass and/or loose soil are to be bagged and placed in a USDA Regulated satellite container or active drum (see Waste Coordinator). **Ice and melt water should be baked at a temperature range of 121-154°F for 2 hours and then cooled before going down the drain.**	
Equipment and supplies that have come into contact samples must be decontaminated.	Was the cooler(s) and/or countertop(s) decontaminated using either a fresh 10% bleach solution or 70% ethanol? *(Gloves and other lab supplies will be bagged and placed in the SR USDA Regulated satellite container).*	(YES) NO

To Be Completed by PM/PC:

Sample Analysis to be conducted (circle all that apply): (MN) Subcontract Lab

Name of Subcontract Lab: _____

REQUIREMENT	ACTION	COMPLETED
Permission to ship untreated soil must be on file prior to shipping to any subcontract lab, including IR Pace Labs.	Go to: J:\SHARE\PRJ_MGR\10_Client Services Department Documents\Regulated Soils Permits – If permission to ship letter is not there, contact the Waste Coordinator.	YES NO (N/A)
Shipment must include a valid copy of the receiving lab's permit as well as permission to ship letter.	Is a copy of all needed paperwork included with the COC? Do NOT ship samples until all necessary paperwork is compiled.	YES NO (N/A)

Comments: _____

Project Manager Signature: Jenni Gross Date: 5/15/15

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

May 29, 2015

Christina McClelland
CRA
20818 44th Ave W
Suite 190
Lynnwood, WA 98036

RE: Project: 062175-05-01_PCC_Site Investig
Pace Project No.: 10306679

Dear Christina McClelland:
Enclosed are the analytical results for sample(s) received by the laboratory on May 15, 2015. The results relate only to the samples included in this report. Results reported herein conform to the most current TNI 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,

Jennifer Gross
jennifer.gross@pacelabs.com
Project Manager

Enclosures

cc: Jeffrey Cloud, Conestoga-Rovers Association
Jesse Orth, CRA
Jing Song, CRA

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
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Minneapolis, MN 55414
(612)607-1700

CERTIFICATIONS

Project: 062175-05-01_PCC_Site Investig
Pace Project No.: 10306679

Minnesota Certification IDs
1700 Elm Street SE Suite 200, Minneapolis, MN 55414
A2LA Certification #: 2926.01
Alaska Certification #: UST-078
Alaska Certification #MN00064
Alabama Certification #40770
Arizona Certification #: AZ-0014
Arkansas Certification #: 88-0680
California Certification #: 01155CA
Colorado Certification #Pace
Connecticut Certification #: PH-0256
EPA Region 8 Certification #: 8TMS-L
Florida/NELAP Certification #: E87605
Guam Certification #:14-008r
Georgia Certification #: 959
Georgia EPD #: Pace
Idaho Certification #: MN00064
Hawaii Certification #MN00064
Illinois Certification #: 200011
Indiana Certification#C-MN-01
Iowa Certification #: 368
Kansas Certification #: E-10167
Kentucky Dept of Envi. Protection - DW #90062
Kentucky Dept of Envi. Protection - WW #:90062
Louisiana DEQ Certification #: 3086
Louisiana DHH #: LA140001
Maine Certification #: 2013011
Maryland Certification #: 322
Michigan DEPH Certification #: 9909
Minnesota Certification #: 027-053-137
Mississippi Certification #: Pace
Montana Certification #: MT0092
Nevada Certification #: MN_00064
Nebraska Certification #: Pace
New Jersey Certification #: MN-002
New York Certification #: 11647
North Carolina Certification #: 530
North Carolina State Public Health #: 27700
North Dakota Certification #: R-036
Ohio EPA #: 4150
Ohio VAP Certification #: CL101
Oklahoma Certification #: 9507
Oregon Certification #: MN200001
Oregon Certification #: MN300001
Pennsylvania Certification #: 68-00563
Puerto Rico Certification
Saipan (CNMI) #:MP0003
South Carolina #:74003001
Texas Certification #: T104704192
Tennessee Certification #: 02818
Utah Certification #: MN000642013-4
Virginia DGS Certification #: 251
Virginia/VELAP Certification #: Pace
Washington Certification #: C486
West Virginia Certification #: 382
West Virginia DHHR #:9952C
Wisconsin Certification #: 999407970

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SAMPLE SUMMARY

Project: 062175-05-01_PCC_Site Investig
Pace Project No.: 10306679

Lab ID	Sample ID	Matrix	Date Collected	Date Received
10306679001	SO-062175-051315-JS-SB-2-10	Solid	05/13/15 15:10	05/15/15 14:00
10306679002	SO-062175-051315-JS-SB-2-14	Solid	05/13/15 15:30	05/15/15 14:00
10306679003	SO-062175-051415-JS-SB-1-5	Solid	05/14/15 09:30	05/15/15 14:00
10306679004	SO-062175-051415-JS-SB-1-10	Solid	05/14/15 09:30	05/15/15 14:00
10306679005	SO-062175-051415-JS-SB-1-20	Solid	05/14/15 09:40	05/15/15 14:00
10306679006	SO-062175-051415-JS-SB-7-5	Solid	05/14/15 10:30	05/15/15 14:00
10306679007	SO-062175-051415-JS-SB-7-13	Solid	05/14/15 11:00	05/15/15 14:00
10306679008	SO-062175-051415-JS-SB-7-20	Solid	05/14/15 11:20	05/15/15 14:00
10306679009	SO-062175-051415-JS-MW-9-5	Solid	05/14/15 12:20	05/15/15 14:00
10306679010	SO-062175-051415-JS-MW-9-10	Solid	05/14/15 12:25	05/15/15 14:00
10306679011	SO-062175-051415-JS-MW-9-15	Solid	05/14/15 12:30	05/15/15 14:00

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SAMPLE ANALYTE COUNT

Project: 062175-05-01_PCC_Site Investig
Pace Project No.: 10306679

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
10306679001	SO-062175-051315-JS-SB-2-10	EPA 6020A	RJS	7	PASI-M
		EPA 7471B	DM	1	PASI-M
		ASTM D2974	JDL	1	PASI-M
		EPA 8260B	SH2	72	PASI-M
10306679002	SO-062175-051315-JS-SB-2-14	EPA 6020A	RJS	7	PASI-M
		EPA 7471B	DM	1	PASI-M
		ASTM D2974	JDL	1	PASI-M
		EPA 8260B	SH2	72	PASI-M
10306679003	SO-062175-051415-JS-SB-1-5	EPA 6020A	RJS	7	PASI-M
		EPA 7471B	DM	1	PASI-M
		ASTM D2974	JDL	1	PASI-M
		EPA 8260B	SH2	72	PASI-M
10306679004	SO-062175-051415-JS-SB-1-10	EPA 6020A	RJS	7	PASI-M
		EPA 7471B	DM	1	PASI-M
		ASTM D2974	JDL	1	PASI-M
		EPA 8260B	SH2	72	PASI-M
10306679005	SO-062175-051415-JS-SB-1-20	EPA 6020A	RJS	7	PASI-M
		EPA 7471B	DM	1	PASI-M
		ASTM D2974	JDL	1	PASI-M
		EPA 8260B	SH2	72	PASI-M
10306679006	SO-062175-051415-JS-SB-7-5	EPA 6020A	RJS	7	PASI-M
		EPA 7471B	DM	1	PASI-M
		ASTM D2974	JDL	1	PASI-M
		EPA 8260B	SH2	72	PASI-M
10306679007	SO-062175-051415-JS-SB-7-13	EPA 6020A	RJS	7	PASI-M
		EPA 7471B	DM	1	PASI-M
		ASTM D2974	JDL	1	PASI-M
		EPA 8260B	SH2	72	PASI-M
10306679008	SO-062175-051415-JS-SB-7-20	EPA 6020A	RJS	7	PASI-M
		EPA 7471B	DM	1	PASI-M
		ASTM D2974	JDL	1	PASI-M
		EPA 8260B	SH2	72	PASI-M
10306679009	SO-062175-051415-JS-MW-9-5	EPA 6020A	RJS	7	PASI-M
		EPA 7471B	DM	1	PASI-M
		ASTM D2974	JDL	1	PASI-M
		EPA 8260B	SH2	72	PASI-M
10306679010	SO-062175-051415-JS-MW-9-10	EPA 6020A	RJS	7	PASI-M

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SAMPLE ANALYTE COUNT

Project: 062175-05-01_PCC_Site Investig
Pace Project No.: 10306679

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
		EPA 7471B	DM	1	PASI-M
		ASTM D2974	JDL	1	PASI-M
		EPA 8260B	SH2	72	PASI-M
10306679011	**SO-062175-051415-JS-MW-9-15**	EPA 6020A	RJS	7	PASI-M
		EPA 7471B	DM	1	PASI-M
		ASTM D2974	JDL	1	PASI-M
		EPA 8260B	SH2	72	PASI-M

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PROJECT NARRATIVE

Project: 062175-05-01_PCC_Site Investig
Pace Project No.: 10306679

Method: **EPA 6020A**
Description: 6020A MET ICPMS
Client: CRA_PCC Aerostructures
Date: May 29, 2015

General Information:
11 samples were analyzed for EPA 6020A. All samples were received in acceptable condition with any exceptions noted below.

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 3050 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.

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: MPRP/54645

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 10306679001

M6: Matrix spike and Matrix spike duplicate recovery not evaluated against control limits due to sample dilution.

- MS (Lab ID: 1975290)
  - Barium

Additional Comments:

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PROJECT NARRATIVE

Project: 062175-05-01_PCC_Site Investig
Pace Project No.: 10306679

Method: **EPA 7471B**
Description: 7471B Mercury
Client: CRA_PCC Aerostructures
Date: May 29, 2015

General Information:
11 samples were analyzed for EPA 7471B. All samples were received in acceptable condition with any exceptions noted below.

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

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

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

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

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

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

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

Additional Comments:

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PROJECT NARRATIVE

Project: 062175-05-01_PCC_Site Investig
Pace Project No.: 10306679

Method: **EPA 8260B**
Description: 8260B MSV 5035 Low Level
Client: CRA_PCC Aerostructures
Date: May 29, 2015

General Information:
11 samples were analyzed for EPA 8260B. All samples were received in acceptable condition with any exceptions noted below.

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 5035 Low with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

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

QC Batch: MSV/31471

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

- LCS (Lab ID: 1969017)
  - 1,1,2-Trichlorotrifluoroethane
  - Dichlorodifluoromethane
- LCSD (Lab ID: 1969018)
  - 1,1,2-Trichlorotrifluoroethane
  - Dichlorodifluoromethane

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

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

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

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

QC Batch: MSV/31471

L0: Analyte recovery in the laboratory control sample (LCS) was outside QC limits.

- LCS (Lab ID: 1969017)
  - 1,1,2-Trichlorotrifluoroethane
  - Dichlorodifluoromethane
- LCSD (Lab ID: 1969018)
  - 1,1,2-Trichlorotrifluoroethane
  - Dichlorodifluoromethane

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PROJECT NARRATIVE

Project: 062175-05-01_PCC_Site Investig
Pace Project No.: 10306679

Method: **EPA 8260B**
Description: 8260B MSV 5035 Low Level
Client: CRA_PCC Aerostructures
Date: May 29, 2015

QC Batch: MSV/31471

R1: RPD value was outside control limits.

- LCSD (Lab ID: 1969018)
  - Chloroethane
  - Dichlorodifluoromethane

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

QC Batch: MSV/31471

A matrix spike/matrix spike duplicate was not performed due to insufficient sample volume.

QC Batch: MSV/31471

A matrix spike/matrix spike duplicate was not performed due to insufficient sample volume.

Additional Comments:

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

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ANALYTICAL RESULTS

Project: 062175-05-01_PCC_Site Investig
Pace Project No.: 10306679

Sample: SO-062175-051315-JS-SB-2-10 **Lab ID: 10306679001** Collected: 05/13/15 15:10 Received: 05/15/15 14:00 Matrix: Solid

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

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6020A MET ICPMS	Analytical Method: EPA 6020A Preparation Method: EPA 3050							
Arsenic	**3.3**	mg/kg	0.59	20	05/27/15 10:19	05/28/15 15:29	7440-38-2	
Barium	**45.8**	mg/kg	0.35	20	05/27/15 10:19	05/28/15 15:29	7440-39-3	
Cadmium	ND	mg/kg	0.094	20	05/27/15 10:19	05/28/15 15:29	7440-43-9	
Chromium	**13.2**	mg/kg	0.59	20	05/27/15 10:19	05/28/15 15:29	7440-47-3	
Lead	**2.4**	mg/kg	0.12	20	05/27/15 10:19	05/28/15 15:29	7439-92-1	
Selenium	ND	mg/kg	0.59	20	05/27/15 10:19	05/28/15 15:29	7782-49-2	
Silver	ND	mg/kg	0.59	20	05/27/15 10:19	05/28/15 15:29	7440-22-4	
7471B Mercury	Analytical Method: EPA 7471B Preparation Method: EPA 7471B							
Mercury	**0.050**	mg/kg	0.025	1	05/27/15 16:29	05/28/15 12:39	7439-97-6	
Dry Weight	Analytical Method: ASTM D2974							
Percent Moisture	**27.8**	%	0.10	1		05/28/15 17:59		
8260B MSV 5035 Low Level	Analytical Method: EPA 8260B Preparation Method: EPA 5035 Low							
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.0044	1	05/20/15 12:00	05/22/15 18:34	630-20-6	
1,1,1-Trichloroethane	ND	mg/kg	0.0044	1	05/20/15 12:00	05/22/15 18:34	71-55-6	
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.0044	1	05/20/15 12:00	05/22/15 18:34	79-34-5	
1,1,2-Trichloroethane	ND	mg/kg	0.0044	1	05/20/15 12:00	05/22/15 18:34	79-00-5	
1,1,2-Trichlorotrifluoroethane	ND	mg/kg	0.0044	1	05/20/15 12:00	05/22/15 18:34	76-13-1	L3
1,1-Dichloroethane	ND	mg/kg	0.0044	1	05/20/15 12:00	05/22/15 18:34	75-34-3	
1,1-Dichloroethene	ND	mg/kg	0.0044	1	05/20/15 12:00	05/22/15 18:34	75-35-4	
1,1-Dichloropropene	ND	mg/kg	0.0044	1	05/20/15 12:00	05/22/15 18:34	563-58-6	
1,2,3-Trichlorobenzene	ND	mg/kg	0.0044	1	05/20/15 12:00	05/22/15 18:34	87-61-6	
1,2,3-Trichloropropane	ND	mg/kg	0.0044	1	05/20/15 12:00	05/22/15 18:34	96-18-4	
1,2,4-Trichlorobenzene	ND	mg/kg	0.0044	1	05/20/15 12:00	05/22/15 18:34	120-82-1	
1,2,4-Trimethylbenzene	ND	mg/kg	0.0044	1	05/20/15 12:00	05/22/15 18:34	95-63-6	
1,2-Dibromo-3-chloropropane	ND	mg/kg	0.011	1	05/20/15 12:00	05/22/15 18:34	96-12-8	
1,2-Dibromoethane (EDB)	ND	mg/kg	0.0044	1	05/20/15 12:00	05/22/15 18:34	106-93-4	
1,2-Dichlorobenzene	ND	mg/kg	0.0044	1	05/20/15 12:00	05/22/15 18:34	95-50-1	
1,2-Dichloroethane	ND	mg/kg	0.0044	1	05/20/15 12:00	05/22/15 18:34	107-06-2	
1,2-Dichloroethene (Total)	ND	mg/kg	0.0088	1	05/20/15 12:00	05/22/15 18:34	540-59-0	
1,2-Dichloropropane	ND	mg/kg	0.0044	1	05/20/15 12:00	05/22/15 18:34	78-87-5	
1,3,5-Trimethylbenzene	ND	mg/kg	0.0044	1	05/20/15 12:00	05/22/15 18:34	108-67-8	
1,3-Dichlorobenzene	ND	mg/kg	0.0044	1	05/20/15 12:00	05/22/15 18:34	541-73-1	
1,3-Dichloropropane	ND	mg/kg	0.0044	1	05/20/15 12:00	05/22/15 18:34	142-28-9	
1,4-Dichlorobenzene	ND	mg/kg	0.0044	1	05/20/15 12:00	05/22/15 18:34	106-46-7	
2,2-Dichloropropane	ND	mg/kg	0.011	1	05/20/15 12:00	05/22/15 18:34	594-20-7	
2-Butanone (MEK)	ND	mg/kg	0.022	1	05/20/15 12:00	05/22/15 18:34	78-93-3	
2-Chlorotoluene	ND	mg/kg	0.0044	1	05/20/15 12:00	05/22/15 18:34	95-49-8	
2-Hexanone	ND	mg/kg	0.022	1	05/20/15 12:00	05/22/15 18:34	591-78-6	
4-Chlorotoluene	ND	mg/kg	0.0044	1	05/20/15 12:00	05/22/15 18:34	106-43-4	
4-Methyl-2-pentanone (MIBK)	ND	mg/kg	0.022	1	05/20/15 12:00	05/22/15 18:34	108-10-1	
Acetone	**0.023**	mg/kg	0.022	1	05/20/15 12:00	05/22/15 18:34	67-64-1	
Benzene	ND	mg/kg	0.0044	1	05/20/15 12:00	05/22/15 18:34	71-43-2	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 062175-05-01_PCC_Site Investig
Pace Project No.: 10306679

Sample: SO-062175-051315-JS-SB-2-10 **Lab ID: 10306679001** Collected: 05/13/15 15:10 Received: 05/15/15 14:00 Matrix: Solid

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

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV 5035 Low Level	Analytical Method: EPA 8260B Preparation Method: EPA 5035 Low							
Bromobenzene	ND	mg/kg	0.0044	1	05/20/15 12:00	05/22/15 18:34	108-86-1	
Bromochloromethane	ND	mg/kg	0.0044	1	05/20/15 12:00	05/22/15 18:34	74-97-5	
Bromodichloromethane	ND	mg/kg	0.0044	1	05/20/15 12:00	05/22/15 18:34	75-27-4	
Bromoform	ND	mg/kg	0.022	1	05/20/15 12:00	05/22/15 18:34	75-25-2	
Bromomethane	ND	mg/kg	0.022	1	05/20/15 12:00	05/22/15 18:34	74-83-9	
Carbon disulfide	**0.0071**	mg/kg	0.0044	1	05/20/15 12:00	05/22/15 18:34	75-15-0	
Carbon tetrachloride	ND	mg/kg	0.0044	1	05/20/15 12:00	05/22/15 18:34	56-23-5	
Chlorobenzene	ND	mg/kg	0.0044	1	05/20/15 12:00	05/22/15 18:34	108-90-7	
Chloroethane	ND	mg/kg	0.011	1	05/20/15 12:00	05/22/15 18:34	75-00-3	
Chloroform	ND	mg/kg	0.0044	1	05/20/15 12:00	05/22/15 18:34	67-66-3	
Chloromethane	ND	mg/kg	0.011	1	05/20/15 12:00	05/22/15 18:34	74-87-3	
Dibromochloromethane	ND	mg/kg	0.0044	1	05/20/15 12:00	05/22/15 18:34	124-48-1	
Dibromomethane	ND	mg/kg	0.0044	1	05/20/15 12:00	05/22/15 18:34	74-95-3	
Dichlorodifluoromethane	ND	mg/kg	0.011	1	05/20/15 12:00	05/22/15 18:34	75-71-8	L3
Dichlorofluoromethane	ND	mg/kg	0.0044	1	05/20/15 12:00	05/22/15 18:34	75-43-4	
Ethylbenzene	ND	mg/kg	0.0044	1	05/20/15 12:00	05/22/15 18:34	100-41-4	
Hexachloro-1,3-butadiene	ND	mg/kg	0.011	1	05/20/15 12:00	05/22/15 18:34	87-68-3	
Isopropylbenzene (Cumene)	ND	mg/kg	0.0044	1	05/20/15 12:00	05/22/15 18:34	98-82-8	
Methyl-tert-butyl ether	ND	mg/kg	0.0044	1	05/20/15 12:00	05/22/15 18:34	1634-04-4	
Methylene Chloride	ND	mg/kg	0.022	1	05/20/15 12:00	05/22/15 18:34	75-09-2	
Naphthalene	ND	mg/kg	0.011	1	05/20/15 12:00	05/22/15 18:34	91-20-3	
Styrene	ND	mg/kg	0.0044	1	05/20/15 12:00	05/22/15 18:34	100-42-5	
Tetrachloroethene	ND	mg/kg	0.0044	1	05/20/15 12:00	05/22/15 18:34	127-18-4	
Toluene	ND	mg/kg	0.0044	1	05/20/15 12:00	05/22/15 18:34	108-88-3	
Trichloroethene	ND	mg/kg	0.0044	1	05/20/15 12:00	05/22/15 18:34	79-01-6	
Trichlorofluoromethane	ND	mg/kg	0.011	1	05/20/15 12:00	05/22/15 18:34	75-69-4	
Vinyl chloride	ND	mg/kg	0.0044	1	05/20/15 12:00	05/22/15 18:34	75-01-4	
Xylene (Total)	ND	mg/kg	0.013	1	05/20/15 12:00	05/22/15 18:34	1330-20-7	
cis-1,2-Dichloroethene	**0.0056**	mg/kg	0.0044	1	05/20/15 12:00	05/22/15 18:34	156-59-2	
cis-1,3-Dichloropropene	ND	mg/kg	0.0044	1	05/20/15 12:00	05/22/15 18:34	10061-01-5	
m&p-Xylene	ND	mg/kg	0.0088	1	05/20/15 12:00	05/22/15 18:34	179601-23-1	
n-Butylbenzene	ND	mg/kg	0.0044	1	05/20/15 12:00	05/22/15 18:34	104-51-8	
n-Propylbenzene	ND	mg/kg	0.0044	1	05/20/15 12:00	05/22/15 18:34	103-65-1	
o-Xylene	ND	mg/kg	0.0044	1	05/20/15 12:00	05/22/15 18:34	95-47-6	
p-Isopropyltoluene	ND	mg/kg	0.0044	1	05/20/15 12:00	05/22/15 18:34	99-87-6	
sec-Butylbenzene	ND	mg/kg	0.0044	1	05/20/15 12:00	05/22/15 18:34	135-98-8	
tert-Butylbenzene	ND	mg/kg	0.0044	1	05/20/15 12:00	05/22/15 18:34	98-06-6	
trans-1,2-Dichloroethene	ND	mg/kg	0.0044	1	05/20/15 12:00	05/22/15 18:34	156-60-5	
trans-1,3-Dichloropropene	ND	mg/kg	0.0044	1	05/20/15 12:00	05/22/15 18:34	10061-02-6	
Surrogates								
1,2-Dichloroethane-d4 (S)	103	%.	30-150	1	05/20/15 12:00	05/22/15 18:34	17060-07-0	
Toluene-d8 (S)	97	%.	30-150	1	05/20/15 12:00	05/22/15 18:34	2037-26-5	
4-Bromofluorobenzene (S)	102	%.	30-150	1	05/20/15 12:00	05/22/15 18:34	460-00-4	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
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ANALYTICAL RESULTS

Project: 062175-05-01_PCC_Site Investig
Pace Project No.: 10306679

Sample: SO-062175-051315-JS-SB-2-14 **Lab ID: 10306679002** Collected: 05/13/15 15:30 Received: 05/15/15 14:00 Matrix: Solid

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

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6020A MET ICPMS	Analytical Method: EPA 6020A Preparation Method: EPA 3050							
Arsenic	**5.1**	mg/kg	0.64	20	05/27/15 10:19	05/28/15 15:15	7440-38-2	
Barium	**60.3**	mg/kg	0.39	20	05/27/15 10:19	05/28/15 15:15	7440-39-3	
Cadmium	ND	mg/kg	0.10	20	05/27/15 10:19	05/28/15 15:15	7440-43-9	
Chromium	**15.3**	mg/kg	0.64	20	05/27/15 10:19	05/28/15 15:15	7440-47-3	
Lead	**3.7**	mg/kg	0.13	20	05/27/15 10:19	05/28/15 15:15	7439-92-1	
Selenium	**0.81**	mg/kg	0.64	20	05/27/15 10:19	05/28/15 15:15	7782-49-2	
Silver	ND	mg/kg	0.64	20	05/27/15 10:19	05/28/15 15:15	7440-22-4	
7471B Mercury	Analytical Method: EPA 7471B Preparation Method: EPA 7471B							
Mercury	**0.091**	mg/kg	0.027	1	05/27/15 16:29	05/28/15 12:46	7439-97-6	
Dry Weight	Analytical Method: ASTM D2974							
Percent Moisture	**32.4**	%	0.10	1		05/28/15 17:59		
8260B MSV 5035 Low Level	Analytical Method: EPA 8260B Preparation Method: EPA 5035 Low							
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.0056	1	05/20/15 12:00	05/22/15 18:53	630-20-6	
1,1,1-Trichloroethane	ND	mg/kg	0.0056	1	05/20/15 12:00	05/22/15 18:53	71-55-6	
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.0056	1	05/20/15 12:00	05/22/15 18:53	79-34-5	
1,1,2-Trichloroethane	ND	mg/kg	0.0056	1	05/20/15 12:00	05/22/15 18:53	79-00-5	
1,1,2-Trichlorotrifluoroethane	ND	mg/kg	0.0056	1	05/20/15 12:00	05/22/15 18:53	76-13-1	L3
1,1-Dichloroethane	ND	mg/kg	0.0056	1	05/20/15 12:00	05/22/15 18:53	75-34-3	
1,1-Dichloroethene	ND	mg/kg	0.0056	1	05/20/15 12:00	05/22/15 18:53	75-35-4	
1,1-Dichloropropene	ND	mg/kg	0.0056	1	05/20/15 12:00	05/22/15 18:53	563-58-6	
1,2,3-Trichlorobenzene	ND	mg/kg	0.0056	1	05/20/15 12:00	05/22/15 18:53	87-61-6	
1,2,3-Trichloropropane	ND	mg/kg	0.0056	1	05/20/15 12:00	05/22/15 18:53	96-18-4	
1,2,4-Trichlorobenzene	ND	mg/kg	0.0056	1	05/20/15 12:00	05/22/15 18:53	120-82-1	
1,2,4-Trimethylbenzene	ND	mg/kg	0.0056	1	05/20/15 12:00	05/22/15 18:53	95-63-6	
1,2-Dibromo-3-chloropropane	ND	mg/kg	0.014	1	05/20/15 12:00	05/22/15 18:53	96-12-8	
1,2-Dibromoethane (EDB)	ND	mg/kg	0.0056	1	05/20/15 12:00	05/22/15 18:53	106-93-4	
1,2-Dichlorobenzene	ND	mg/kg	0.0056	1	05/20/15 12:00	05/22/15 18:53	95-50-1	
1,2-Dichloroethane	ND	mg/kg	0.0056	1	05/20/15 12:00	05/22/15 18:53	107-06-2	
1,2-Dichloroethene (Total)	ND	mg/kg	0.011	1	05/20/15 12:00	05/22/15 18:53	540-59-0	
1,2-Dichloropropane	ND	mg/kg	0.0056	1	05/20/15 12:00	05/22/15 18:53	78-87-5	
1,3,5-Trimethylbenzene	ND	mg/kg	0.0056	1	05/20/15 12:00	05/22/15 18:53	108-67-8	
1,3-Dichlorobenzene	ND	mg/kg	0.0056	1	05/20/15 12:00	05/22/15 18:53	541-73-1	
1,3-Dichloropropane	ND	mg/kg	0.0056	1	05/20/15 12:00	05/22/15 18:53	142-28-9	
1,4-Dichlorobenzene	ND	mg/kg	0.0056	1	05/20/15 12:00	05/22/15 18:53	106-46-7	
2,2-Dichloropropane	ND	mg/kg	0.014	1	05/20/15 12:00	05/22/15 18:53	594-20-7	
2-Butanone (MEK)	ND	mg/kg	0.028	1	05/20/15 12:00	05/22/15 18:53	78-93-3	
2-Chlorotoluene	ND	mg/kg	0.0056	1	05/20/15 12:00	05/22/15 18:53	95-49-8	
2-Hexanone	ND	mg/kg	0.028	1	05/20/15 12:00	05/22/15 18:53	591-78-6	
4-Chlorotoluene	ND	mg/kg	0.0056	1	05/20/15 12:00	05/22/15 18:53	106-43-4	
4-Methyl-2-pentanone (MIBK)	ND	mg/kg	0.028	1	05/20/15 12:00	05/22/15 18:53	108-10-1	
Acetone	**0.061**	mg/kg	0.028	1	05/20/15 12:00	05/22/15 18:53	67-64-1	
Benzene	ND	mg/kg	0.0056	1	05/20/15 12:00	05/22/15 18:53	71-43-2	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
1700 Elm Street - Suite 200
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ANALYTICAL RESULTS

Project: 062175-05-01_PCC_Site Investig
Pace Project No.: 10306679

Sample: SO-062175-051315-JS-SB-2-14 **Lab ID: 10306679002** Collected: 05/13/15 15:30 Received: 05/15/15 14:00 Matrix: Solid

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

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV 5035 Low Level	Analytical Method: EPA 8260B Preparation Method: EPA 5035 Low							
Bromobenzene	ND	mg/kg	0.0056	1	05/20/15 12:00	05/22/15 18:53	108-86-1	
Bromochloromethane	ND	mg/kg	0.0056	1	05/20/15 12:00	05/22/15 18:53	74-97-5	
Bromodichloromethane	ND	mg/kg	0.0056	1	05/20/15 12:00	05/22/15 18:53	75-27-4	
Bromoform	ND	mg/kg	0.028	1	05/20/15 12:00	05/22/15 18:53	75-25-2	
Bromomethane	ND	mg/kg	0.028	1	05/20/15 12:00	05/22/15 18:53	74-83-9	
Carbon disulfide	ND	mg/kg	0.0056	1	05/20/15 12:00	05/22/15 18:53	75-15-0	
Carbon tetrachloride	ND	mg/kg	0.0056	1	05/20/15 12:00	05/22/15 18:53	56-23-5	
Chlorobenzene	ND	mg/kg	0.0056	1	05/20/15 12:00	05/22/15 18:53	108-90-7	
Chloroethane	ND	mg/kg	0.014	1	05/20/15 12:00	05/22/15 18:53	75-00-3	
Chloroform	ND	mg/kg	0.0056	1	05/20/15 12:00	05/22/15 18:53	67-66-3	
Chloromethane	ND	mg/kg	0.014	1	05/20/15 12:00	05/22/15 18:53	74-87-3	
Dibromochloromethane	ND	mg/kg	0.0056	1	05/20/15 12:00	05/22/15 18:53	124-48-1	
Dibromomethane	ND	mg/kg	0.0056	1	05/20/15 12:00	05/22/15 18:53	74-95-3	
Dichlorodifluoromethane	ND	mg/kg	0.014	1	05/20/15 12:00	05/22/15 18:53	75-71-8	L3
Dichlorofluoromethane	ND	mg/kg	0.0056	1	05/20/15 12:00	05/22/15 18:53	75-43-4	
Ethylbenzene	ND	mg/kg	0.0056	1	05/20/15 12:00	05/22/15 18:53	100-41-4	
Hexachloro-1,3-butadiene	ND	mg/kg	0.014	1	05/20/15 12:00	05/22/15 18:53	87-68-3	
Isopropylbenzene (Cumene)	ND	mg/kg	0.0056	1	05/20/15 12:00	05/22/15 18:53	98-82-8	
Methyl-tert-butyl ether	ND	mg/kg	0.0056	1	05/20/15 12:00	05/22/15 18:53	1634-04-4	
Methylene Chloride	ND	mg/kg	0.028	1	05/20/15 12:00	05/22/15 18:53	75-09-2	
Naphthalene	ND	mg/kg	0.014	1	05/20/15 12:00	05/22/15 18:53	91-20-3	
Styrene	ND	mg/kg	0.0056	1	05/20/15 12:00	05/22/15 18:53	100-42-5	
Tetrachloroethene	ND	mg/kg	0.0056	1	05/20/15 12:00	05/22/15 18:53	127-18-4	
Toluene	ND	mg/kg	0.0056	1	05/20/15 12:00	05/22/15 18:53	108-88-3	
Trichloroethene	ND	mg/kg	0.0056	1	05/20/15 12:00	05/22/15 18:53	79-01-6	
Trichlorofluoromethane	ND	mg/kg	0.014	1	05/20/15 12:00	05/22/15 18:53	75-69-4	
Vinyl chloride	ND	mg/kg	0.0056	1	05/20/15 12:00	05/22/15 18:53	75-01-4	
Xylene (Total)	ND	mg/kg	0.017	1	05/20/15 12:00	05/22/15 18:53	1330-20-7	
cis-1,2-Dichloroethene	ND	mg/kg	0.0056	1	05/20/15 12:00	05/22/15 18:53	156-59-2	
cis-1,3-Dichloropropene	ND	mg/kg	0.0056	1	05/20/15 12:00	05/22/15 18:53	10061-01-5	
m&p-Xylene	ND	mg/kg	0.011	1	05/20/15 12:00	05/22/15 18:53	179601-23-1	
n-Butylbenzene	ND	mg/kg	0.0056	1	05/20/15 12:00	05/22/15 18:53	104-51-8	
n-Propylbenzene	ND	mg/kg	0.0056	1	05/20/15 12:00	05/22/15 18:53	103-65-1	
o-Xylene	ND	mg/kg	0.0056	1	05/20/15 12:00	05/22/15 18:53	95-47-6	
p-Isopropyltoluene	ND	mg/kg	0.0056	1	05/20/15 12:00	05/22/15 18:53	99-87-6	
sec-Butylbenzene	ND	mg/kg	0.0056	1	05/20/15 12:00	05/22/15 18:53	135-98-8	
tert-Butylbenzene	ND	mg/kg	0.0056	1	05/20/15 12:00	05/22/15 18:53	98-06-6	
trans-1,2-Dichloroethene	ND	mg/kg	0.0056	1	05/20/15 12:00	05/22/15 18:53	156-60-5	
trans-1,3-Dichloropropene	ND	mg/kg	0.0056	1	05/20/15 12:00	05/22/15 18:53	10061-02-6	
Surrogates								
1,2-Dichloroethane-d4 (S)	105	%.	30-150	1	05/20/15 12:00	05/22/15 18:53	17060-07-0	
Toluene-d8 (S)	98	%.	30-150	1	05/20/15 12:00	05/22/15 18:53	2037-26-5	
4-Bromofluorobenzene (S)	104	%.	30-150	1	05/20/15 12:00	05/22/15 18:53	460-00-4	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
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ANALYTICAL RESULTS

Project: 062175-05-01_PCC_Site Investig
Pace Project No.: 10306679

Sample: SO-062175-051415-JS-SB-1-5 **Lab ID: 10306679003** Collected: 05/14/15 09:30 Received: 05/15/15 14:00 Matrix: Solid

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

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6020A MET ICPMS	Analytical Method: EPA 6020A Preparation Method: EPA 3050							
Arsenic	**3.7**	mg/kg	0.55	20	05/27/15 10:19	05/28/15 15:20	7440-38-2	
Barium	**64.6**	mg/kg	0.33	20	05/27/15 10:19	05/28/15 15:20	7440-39-3	
Cadmium	**0.095**	mg/kg	0.088	20	05/27/15 10:19	05/28/15 15:20	7440-43-9	
Chromium	**26.6**	mg/kg	0.55	20	05/27/15 10:19	05/28/15 15:20	7440-47-3	
Lead	**3.4**	mg/kg	0.11	20	05/27/15 10:19	05/28/15 15:20	7439-92-1	
Selenium	ND	mg/kg	0.55	20	05/27/15 10:19	05/28/15 15:20	7782-49-2	
Silver	ND	mg/kg	0.55	20	05/27/15 10:19	05/28/15 15:20	7440-22-4	
7471B Mercury	Analytical Method: EPA 7471B Preparation Method: EPA 7471B							
Mercury	**0.024**	mg/kg	0.019	1	05/27/15 16:29	05/28/15 12:48	7439-97-6	
Dry Weight	Analytical Method: ASTM D2974							
Percent Moisture	**10.4**	%	0.10	1		05/28/15 17:59		
8260B MSV 5035 Low Level	Analytical Method: EPA 8260B Preparation Method: EPA 5035 Low							
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.0038	1	05/20/15 12:00	05/22/15 19:12	630-20-6	
1,1,1-Trichloroethane	ND	mg/kg	0.0038	1	05/20/15 12:00	05/22/15 19:12	71-55-6	
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.0038	1	05/20/15 12:00	05/22/15 19:12	79-34-5	
1,1,2-Trichloroethane	ND	mg/kg	0.0038	1	05/20/15 12:00	05/22/15 19:12	79-00-5	
1,1,2-Trichlorotrifluoroethane	ND	mg/kg	0.0038	1	05/20/15 12:00	05/22/15 19:12	76-13-1	L3
1,1-Dichloroethane	**0.025**	mg/kg	0.0038	1	05/20/15 12:00	05/22/15 19:12	75-34-3	
1,1-Dichloroethene	**0.0062**	mg/kg	0.0038	1	05/20/15 12:00	05/22/15 19:12	75-35-4	
1,1-Dichloropropene	ND	mg/kg	0.0038	1	05/20/15 12:00	05/22/15 19:12	563-58-6	
1,2,3-Trichlorobenzene	ND	mg/kg	0.0038	1	05/20/15 12:00	05/22/15 19:12	87-61-6	
1,2,3-Trichloropropane	ND	mg/kg	0.0038	1	05/20/15 12:00	05/22/15 19:12	96-18-4	
1,2,4-Trichlorobenzene	ND	mg/kg	0.0038	1	05/20/15 12:00	05/22/15 19:12	120-82-1	
1,2,4-Trimethylbenzene	ND	mg/kg	0.0038	1	05/20/15 12:00	05/22/15 19:12	95-63-6	
1,2-Dibromo-3-chloropropane	ND	mg/kg	0.0094	1	05/20/15 12:00	05/22/15 19:12	96-12-8	
1,2-Dibromoethane (EDB)	ND	mg/kg	0.0038	1	05/20/15 12:00	05/22/15 19:12	106-93-4	
1,2-Dichlorobenzene	ND	mg/kg	0.0038	1	05/20/15 12:00	05/22/15 19:12	95-50-1	
1,2-Dichloroethane	ND	mg/kg	0.0038	1	05/20/15 12:00	05/22/15 19:12	107-06-2	
1,2-Dichloroethene (Total)	ND	mg/kg	0.0075	1	05/20/15 12:00	05/22/15 19:12	540-59-0	
1,2-Dichloropropane	ND	mg/kg	0.0038	1	05/20/15 12:00	05/22/15 19:12	78-87-5	
1,3,5-Trimethylbenzene	ND	mg/kg	0.0038	1	05/20/15 12:00	05/22/15 19:12	108-67-8	
1,3-Dichlorobenzene	ND	mg/kg	0.0038	1	05/20/15 12:00	05/22/15 19:12	541-73-1	
1,3-Dichloropropane	ND	mg/kg	0.0038	1	05/20/15 12:00	05/22/15 19:12	142-28-9	
1,4-Dichlorobenzene	ND	mg/kg	0.0038	1	05/20/15 12:00	05/22/15 19:12	106-46-7	
2,2-Dichloropropane	ND	mg/kg	0.0094	1	05/20/15 12:00	05/22/15 19:12	594-20-7	
2-Butanone (MEK)	ND	mg/kg	0.019	1	05/20/15 12:00	05/22/15 19:12	78-93-3	
2-Chlorotoluene	ND	mg/kg	0.0038	1	05/20/15 12:00	05/22/15 19:12	95-49-8	
2-Hexanone	ND	mg/kg	0.019	1	05/20/15 12:00	05/22/15 19:12	591-78-6	
4-Chlorotoluene	ND	mg/kg	0.0038	1	05/20/15 12:00	05/22/15 19:12	106-43-4	
4-Methyl-2-pentanone (MIBK)	ND	mg/kg	0.019	1	05/20/15 12:00	05/22/15 19:12	108-10-1	
Acetone	ND	mg/kg	0.019	1	05/20/15 12:00	05/22/15 19:12	67-64-1	
Benzene	ND	mg/kg	0.0038	1	05/20/15 12:00	05/22/15 19:12	71-43-2	

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ANALYTICAL RESULTS

Project: 062175-05-01_PCC_Site Investig
Pace Project No.: 10306679

Sample: SO-062175-051415-JS-SB-1-5 **Lab ID: 10306679003** Collected: 05/14/15 09:30 Received: 05/15/15 14:00 Matrix: Solid

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

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV 5035 Low Level	Analytical Method: EPA 8260B Preparation Method: EPA 5035 Low							
Bromobenzene	ND	mg/kg	0.0038	1	05/20/15 12:00	05/22/15 19:12	108-86-1	
Bromochloromethane	ND	mg/kg	0.0038	1	05/20/15 12:00	05/22/15 19:12	74-97-5	
Bromodichloromethane	ND	mg/kg	0.0038	1	05/20/15 12:00	05/22/15 19:12	75-27-4	
Bromoform	ND	mg/kg	0.019	1	05/20/15 12:00	05/22/15 19:12	75-25-2	
Bromomethane	ND	mg/kg	0.019	1	05/20/15 12:00	05/22/15 19:12	74-83-9	
Carbon disulfide	ND	mg/kg	0.0038	1	05/20/15 12:00	05/22/15 19:12	75-15-0	
Carbon tetrachloride	ND	mg/kg	0.0038	1	05/20/15 12:00	05/22/15 19:12	56-23-5	
Chlorobenzene	ND	mg/kg	0.0038	1	05/20/15 12:00	05/22/15 19:12	108-90-7	
Chloroethane	ND	mg/kg	0.0094	1	05/20/15 12:00	05/22/15 19:12	75-00-3	
Chloroform	ND	mg/kg	0.0038	1	05/20/15 12:00	05/22/15 19:12	67-66-3	
Chloromethane	ND	mg/kg	0.0094	1	05/20/15 12:00	05/22/15 19:12	74-87-3	
Dibromochloromethane	ND	mg/kg	0.0038	1	05/20/15 12:00	05/22/15 19:12	124-48-1	
Dibromomethane	ND	mg/kg	0.0038	1	05/20/15 12:00	05/22/15 19:12	74-95-3	
Dichlorodifluoromethane	ND	mg/kg	0.0094	1	05/20/15 12:00	05/22/15 19:12	75-71-8	L3
Dichlorofluoromethane	ND	mg/kg	0.0038	1	05/20/15 12:00	05/22/15 19:12	75-43-4	
Ethylbenzene	ND	mg/kg	0.0038	1	05/20/15 12:00	05/22/15 19:12	100-41-4	
Hexachloro-1,3-butadiene	ND	mg/kg	0.0094	1	05/20/15 12:00	05/22/15 19:12	87-68-3	
Isopropylbenzene (Cumene)	ND	mg/kg	0.0038	1	05/20/15 12:00	05/22/15 19:12	98-82-8	
Methyl-tert-butyl ether	ND	mg/kg	0.0038	1	05/20/15 12:00	05/22/15 19:12	1634-04-4	
Methylene Chloride	ND	mg/kg	0.019	1	05/20/15 12:00	05/22/15 19:12	75-09-2	
Naphthalene	ND	mg/kg	0.0094	1	05/20/15 12:00	05/22/15 19:12	91-20-3	
Styrene	ND	mg/kg	0.0038	1	05/20/15 12:00	05/22/15 19:12	100-42-5	
Tetrachloroethene	ND	mg/kg	0.0038	1	05/20/15 12:00	05/22/15 19:12	127-18-4	
Toluene	ND	mg/kg	0.0038	1	05/20/15 12:00	05/22/15 19:12	108-88-3	
Trichloroethene	ND	mg/kg	0.0038	1	05/20/15 12:00	05/22/15 19:12	79-01-6	
Trichlorofluoromethane	ND	mg/kg	0.0094	1	05/20/15 12:00	05/22/15 19:12	75-69-4	
Vinyl chloride	ND	mg/kg	0.0038	1	05/20/15 12:00	05/22/15 19:12	75-01-4	
Xylene (Total)	ND	mg/kg	0.011	1	05/20/15 12:00	05/22/15 19:12	1330-20-7	
cis-1,2-Dichloroethene	ND	mg/kg	0.0038	1	05/20/15 12:00	05/22/15 19:12	156-59-2	
cis-1,3-Dichloropropene	ND	mg/kg	0.0038	1	05/20/15 12:00	05/22/15 19:12	10061-01-5	
m&p-Xylene	ND	mg/kg	0.0075	1	05/20/15 12:00	05/22/15 19:12	179601-23-1	
n-Butylbenzene	ND	mg/kg	0.0038	1	05/20/15 12:00	05/22/15 19:12	104-51-8	
n-Propylbenzene	ND	mg/kg	0.0038	1	05/20/15 12:00	05/22/15 19:12	103-65-1	
o-Xylene	ND	mg/kg	0.0038	1	05/20/15 12:00	05/22/15 19:12	95-47-6	
p-Isopropyltoluene	ND	mg/kg	0.0038	1	05/20/15 12:00	05/22/15 19:12	99-87-6	
sec-Butylbenzene	ND	mg/kg	0.0038	1	05/20/15 12:00	05/22/15 19:12	135-98-8	
tert-Butylbenzene	ND	mg/kg	0.0038	1	05/20/15 12:00	05/22/15 19:12	98-06-6	
trans-1,2-Dichloroethene	ND	mg/kg	0.0038	1	05/20/15 12:00	05/22/15 19:12	156-60-5	
trans-1,3-Dichloropropene	ND	mg/kg	0.0038	1	05/20/15 12:00	05/22/15 19:12	10061-02-6	
Surrogates								
1,2-Dichloroethane-d4 (S)	104	%.	30-150	1	05/20/15 12:00	05/22/15 19:12	17060-07-0	
Toluene-d8 (S)	100	%.	30-150	1	05/20/15 12:00	05/22/15 19:12	2037-26-5	
4-Bromofluorobenzene (S)	109	%.	30-150	1	05/20/15 12:00	05/22/15 19:12	460-00-4	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 062175-05-01_PCC_Site Investig
Pace Project No.: 10306679

Sample: SO-062175-051415-JS-SB-1-10 **Lab ID: 10306679004** Collected: 05/14/15 09:30 Received: 05/15/15 14:00 Matrix: Solid

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

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6020A MET ICPMS	Analytical Method: EPA 6020A Preparation Method: EPA 3050							
Arsenic	**4.2**	mg/kg	0.62	20	05/27/15 10:19	05/28/15 15:24	7440-38-2	
Barium	**62.0**	mg/kg	0.37	20	05/27/15 10:19	05/28/15 15:24	7440-39-3	
Cadmium	ND	mg/kg	0.099	20	05/27/15 10:19	05/28/15 15:24	7440-43-9	
Chromium	**17.1**	mg/kg	0.62	20	05/27/15 10:19	05/28/15 15:24	7440-47-3	
Lead	**3.3**	mg/kg	0.12	20	05/27/15 10:19	05/28/15 15:24	7439-92-1	
Selenium	**0.71**	mg/kg	0.62	20	05/27/15 10:19	05/28/15 15:24	7782-49-2	
Silver	ND	mg/kg	0.62	20	05/27/15 10:19	05/28/15 15:24	7440-22-4	
7471B Mercury	Analytical Method: EPA 7471B Preparation Method: EPA 7471B							
Mercury	**0.055**	mg/kg	0.024	1	05/27/15 16:29	05/28/15 12:50	7439-97-6	
Dry Weight	Analytical Method: ASTM D2974							
Percent Moisture	**26.7**	%	0.10	1		05/28/15 17:59		
8260B MSV 5035 Low Level	Analytical Method: EPA 8260B Preparation Method: EPA 5035 Low							
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.0049	1	05/20/15 12:00	05/22/15 19:30	630-20-6	
1,1,1-Trichloroethane	ND	mg/kg	0.0049	1	05/20/15 12:00	05/22/15 19:30	71-55-6	
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.0049	1	05/20/15 12:00	05/22/15 19:30	79-34-5	
1,1,2-Trichloroethane	ND	mg/kg	0.0049	1	05/20/15 12:00	05/22/15 19:30	79-00-5	
1,1,2-Trichlorotrifluoroethane	ND	mg/kg	0.0049	1	05/20/15 12:00	05/22/15 19:30	76-13-1	L3
1,1-Dichloroethane	ND	mg/kg	0.0049	1	05/20/15 12:00	05/22/15 19:30	75-34-3	
1,1-Dichloroethene	ND	mg/kg	0.0049	1	05/20/15 12:00	05/22/15 19:30	75-35-4	
1,1-Dichloropropene	ND	mg/kg	0.0049	1	05/20/15 12:00	05/22/15 19:30	563-58-6	
1,2,3-Trichlorobenzene	ND	mg/kg	0.0049	1	05/20/15 12:00	05/22/15 19:30	87-61-6	
1,2,3-Trichloropropane	ND	mg/kg	0.0049	1	05/20/15 12:00	05/22/15 19:30	96-18-4	
1,2,4-Trichlorobenzene	ND	mg/kg	0.0049	1	05/20/15 12:00	05/22/15 19:30	120-82-1	
1,2,4-Trimethylbenzene	ND	mg/kg	0.0049	1	05/20/15 12:00	05/22/15 19:30	95-63-6	
1,2-Dibromo-3-chloropropane	ND	mg/kg	0.012	1	05/20/15 12:00	05/22/15 19:30	96-12-8	
1,2-Dibromoethane (EDB)	ND	mg/kg	0.0049	1	05/20/15 12:00	05/22/15 19:30	106-93-4	
1,2-Dichlorobenzene	ND	mg/kg	0.0049	1	05/20/15 12:00	05/22/15 19:30	95-50-1	
1,2-Dichloroethane	ND	mg/kg	0.0049	1	05/20/15 12:00	05/22/15 19:30	107-06-2	
1,2-Dichloroethene (Total)	ND	mg/kg	0.0097	1	05/20/15 12:00	05/22/15 19:30	540-59-0	
1,2-Dichloropropane	ND	mg/kg	0.0049	1	05/20/15 12:00	05/22/15 19:30	78-87-5	
1,3,5-Trimethylbenzene	ND	mg/kg	0.0049	1	05/20/15 12:00	05/22/15 19:30	108-67-8	
1,3-Dichlorobenzene	ND	mg/kg	0.0049	1	05/20/15 12:00	05/22/15 19:30	541-73-1	
1,3-Dichloropropane	ND	mg/kg	0.0049	1	05/20/15 12:00	05/22/15 19:30	142-28-9	
1,4-Dichlorobenzene	ND	mg/kg	0.0049	1	05/20/15 12:00	05/22/15 19:30	106-46-7	
2,2-Dichloropropane	ND	mg/kg	0.012	1	05/20/15 12:00	05/22/15 19:30	594-20-7	
2-Butanone (MEK)	ND	mg/kg	0.024	1	05/20/15 12:00	05/22/15 19:30	78-93-3	
2-Chlorotoluene	ND	mg/kg	0.0049	1	05/20/15 12:00	05/22/15 19:30	95-49-8	
2-Hexanone	ND	mg/kg	0.024	1	05/20/15 12:00	05/22/15 19:30	591-78-6	
4-Chlorotoluene	ND	mg/kg	0.0049	1	05/20/15 12:00	05/22/15 19:30	106-43-4	
4-Methyl-2-pentanone (MIBK)	ND	mg/kg	0.024	1	05/20/15 12:00	05/22/15 19:30	108-10-1	
Acetone	**0.025**	mg/kg	0.024	1	05/20/15 12:00	05/22/15 19:30	67-64-1	
Benzene	ND	mg/kg	0.0049	1	05/20/15 12:00	05/22/15 19:30	71-43-2	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 062175-05-01_PCC_Site Investig
Pace Project No.: 10306679

Sample: SO-062175-051415-JS-SB-1-10 **Lab ID: 10306679004** Collected: 05/14/15 09:30 Received: 05/15/15 14:00 Matrix: Solid

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

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV 5035 Low Level	Analytical Method: EPA 8260B Preparation Method: EPA 5035 Low							
Bromobenzene	ND	mg/kg	0.0049	1	05/20/15 12:00	05/22/15 19:30	108-86-1	
Bromochloromethane	ND	mg/kg	0.0049	1	05/20/15 12:00	05/22/15 19:30	74-97-5	
Bromodichloromethane	ND	mg/kg	0.0049	1	05/20/15 12:00	05/22/15 19:30	75-27-4	
Bromoform	ND	mg/kg	0.024	1	05/20/15 12:00	05/22/15 19:30	75-25-2	
Bromomethane	ND	mg/kg	0.024	1	05/20/15 12:00	05/22/15 19:30	74-83-9	
Carbon disulfide	ND	mg/kg	0.0049	1	05/20/15 12:00	05/22/15 19:30	75-15-0	
Carbon tetrachloride	ND	mg/kg	0.0049	1	05/20/15 12:00	05/22/15 19:30	56-23-5	
Chlorobenzene	ND	mg/kg	0.0049	1	05/20/15 12:00	05/22/15 19:30	108-90-7	
Chloroethane	ND	mg/kg	0.012	1	05/20/15 12:00	05/22/15 19:30	75-00-3	
Chloroform	ND	mg/kg	0.0049	1	05/20/15 12:00	05/22/15 19:30	67-66-3	
Chloromethane	ND	mg/kg	0.012	1	05/20/15 12:00	05/22/15 19:30	74-87-3	
Dibromochloromethane	ND	mg/kg	0.0049	1	05/20/15 12:00	05/22/15 19:30	124-48-1	
Dibromomethane	ND	mg/kg	0.0049	1	05/20/15 12:00	05/22/15 19:30	74-95-3	
Dichlorodifluoromethane	ND	mg/kg	0.012	1	05/20/15 12:00	05/22/15 19:30	75-71-8	L3
Dichlorofluoromethane	ND	mg/kg	0.0049	1	05/20/15 12:00	05/22/15 19:30	75-43-4	
Ethylbenzene	ND	mg/kg	0.0049	1	05/20/15 12:00	05/22/15 19:30	100-41-4	
Hexachloro-1,3-butadiene	ND	mg/kg	0.012	1	05/20/15 12:00	05/22/15 19:30	87-68-3	
Isopropylbenzene (Cumene)	ND	mg/kg	0.0049	1	05/20/15 12:00	05/22/15 19:30	98-82-8	
Methyl-tert-butyl ether	ND	mg/kg	0.0049	1	05/20/15 12:00	05/22/15 19:30	1634-04-4	
Methylene Chloride	ND	mg/kg	0.024	1	05/20/15 12:00	05/22/15 19:30	75-09-2	
Naphthalene	ND	mg/kg	0.012	1	05/20/15 12:00	05/22/15 19:30	91-20-3	
Styrene	ND	mg/kg	0.0049	1	05/20/15 12:00	05/22/15 19:30	100-42-5	
Tetrachloroethene	ND	mg/kg	0.0049	1	05/20/15 12:00	05/22/15 19:30	127-18-4	
Toluene	ND	mg/kg	0.0049	1	05/20/15 12:00	05/22/15 19:30	108-88-3	
Trichloroethene	ND	mg/kg	0.0049	1	05/20/15 12:00	05/22/15 19:30	79-01-6	
Trichlorofluoromethane	ND	mg/kg	0.012	1	05/20/15 12:00	05/22/15 19:30	75-69-4	
Vinyl chloride	ND	mg/kg	0.0049	1	05/20/15 12:00	05/22/15 19:30	75-01-4	
Xylene (Total)	ND	mg/kg	0.015	1	05/20/15 12:00	05/22/15 19:30	1330-20-7	
cis-1,2-Dichloroethene	ND	mg/kg	0.0049	1	05/20/15 12:00	05/22/15 19:30	156-59-2	
cis-1,3-Dichloropropene	ND	mg/kg	0.0049	1	05/20/15 12:00	05/22/15 19:30	10061-01-5	
m&p-Xylene	ND	mg/kg	0.0097	1	05/20/15 12:00	05/22/15 19:30	179601-23-1	
n-Butylbenzene	ND	mg/kg	0.0049	1	05/20/15 12:00	05/22/15 19:30	104-51-8	
n-Propylbenzene	ND	mg/kg	0.0049	1	05/20/15 12:00	05/22/15 19:30	103-65-1	
o-Xylene	ND	mg/kg	0.0049	1	05/20/15 12:00	05/22/15 19:30	95-47-6	
p-Isopropyltoluene	ND	mg/kg	0.0049	1	05/20/15 12:00	05/22/15 19:30	99-87-6	
sec-Butylbenzene	ND	mg/kg	0.0049	1	05/20/15 12:00	05/22/15 19:30	135-98-8	
tert-Butylbenzene	ND	mg/kg	0.0049	1	05/20/15 12:00	05/22/15 19:30	98-06-6	
trans-1,2-Dichloroethene	ND	mg/kg	0.0049	1	05/20/15 12:00	05/22/15 19:30	156-60-5	
trans-1,3-Dichloropropene	ND	mg/kg	0.0049	1	05/20/15 12:00	05/22/15 19:30	10061-02-6	
Surrogates								
1,2-Dichloroethane-d4 (S)	106	%.	30-150	1	05/20/15 12:00	05/22/15 19:30	17060-07-0	
Toluene-d8 (S)	101	%.	30-150	1	05/20/15 12:00	05/22/15 19:30	2037-26-5	
4-Bromofluorobenzene (S)	105	%.	30-150	1	05/20/15 12:00	05/22/15 19:30	460-00-4	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 062175-05-01_PCC_Site Investig
Pace Project No.: 10306679

Sample: SO-062175-051415-JS-SB-1-20 **Lab ID: 10306679005** Collected: 05/14/15 09:40 Received: 05/15/15 14:00 Matrix: Solid

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

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6020A MET ICPMS	Analytical Method: EPA 6020A Preparation Method: EPA 3050							
Arsenic	**3.2**	mg/kg	0.59	20	05/27/15 10:19	05/28/15 16:02	7440-38-2	
Barium	**38.4**	mg/kg	0.36	20	05/27/15 10:19	05/28/15 16:02	7440-39-3	
Cadmium	ND	mg/kg	0.095	20	05/27/15 10:19	05/28/15 16:02	7440-43-9	
Chromium	**10.4**	mg/kg	0.59	20	05/27/15 10:19	05/28/15 16:02	7440-47-3	
Lead	**2.2**	mg/kg	0.12	20	05/27/15 10:19	05/28/15 16:02	7439-92-1	
Selenium	ND	mg/kg	0.59	20	05/27/15 10:19	05/28/15 16:02	7782-49-2	
Silver	ND	mg/kg	0.59	20	05/27/15 10:19	05/28/15 16:02	7440-22-4	
7471B Mercury	Analytical Method: EPA 7471B Preparation Method: EPA 7471B							
Mercury	ND	mg/kg	0.025	1	05/27/15 16:29	05/28/15 12:56	7439-97-6	
Dry Weight	Analytical Method: ASTM D2974							
Percent Moisture	**24.0**	%	0.10	1		05/28/15 17:59		
8260B MSV 5035 Low Level	Analytical Method: EPA 8260B Preparation Method: EPA 5035 Low							
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.0046	1	05/20/15 12:00	05/22/15 19:49	630-20-6	
1,1,1-Trichloroethane	ND	mg/kg	0.0046	1	05/20/15 12:00	05/22/15 19:49	71-55-6	
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.0046	1	05/20/15 12:00	05/22/15 19:49	79-34-5	
1,1,2-Trichloroethane	ND	mg/kg	0.0046	1	05/20/15 12:00	05/22/15 19:49	79-00-5	
1,1,2-Trichlorotrifluoroethane	ND	mg/kg	0.0046	1	05/20/15 12:00	05/22/15 19:49	76-13-1	L3
1,1-Dichloroethane	ND	mg/kg	0.0046	1	05/20/15 12:00	05/22/15 19:49	75-34-3	
1,1-Dichloroethene	ND	mg/kg	0.0046	1	05/20/15 12:00	05/22/15 19:49	75-35-4	
1,1-Dichloropropene	ND	mg/kg	0.0046	1	05/20/15 12:00	05/22/15 19:49	563-58-6	
1,2,3-Trichlorobenzene	ND	mg/kg	0.0046	1	05/20/15 12:00	05/22/15 19:49	87-61-6	
1,2,3-Trichloropropane	ND	mg/kg	0.0046	1	05/20/15 12:00	05/22/15 19:49	96-18-4	
1,2,4-Trichlorobenzene	ND	mg/kg	0.0046	1	05/20/15 12:00	05/22/15 19:49	120-82-1	
1,2,4-Trimethylbenzene	ND	mg/kg	0.0046	1	05/20/15 12:00	05/22/15 19:49	95-63-6	
1,2-Dibromo-3-chloropropane	ND	mg/kg	0.011	1	05/20/15 12:00	05/22/15 19:49	96-12-8	
1,2-Dibromoethane (EDB)	ND	mg/kg	0.0046	1	05/20/15 12:00	05/22/15 19:49	106-93-4	
1,2-Dichlorobenzene	ND	mg/kg	0.0046	1	05/20/15 12:00	05/22/15 19:49	95-50-1	
1,2-Dichloroethane	ND	mg/kg	0.0046	1	05/20/15 12:00	05/22/15 19:49	107-06-2	
1,2-Dichloroethene (Total)	ND	mg/kg	0.0091	1	05/20/15 12:00	05/22/15 19:49	540-59-0	
1,2-Dichloropropane	ND	mg/kg	0.0046	1	05/20/15 12:00	05/22/15 19:49	78-87-5	
1,3,5-Trimethylbenzene	ND	mg/kg	0.0046	1	05/20/15 12:00	05/22/15 19:49	108-67-8	
1,3-Dichlorobenzene	ND	mg/kg	0.0046	1	05/20/15 12:00	05/22/15 19:49	541-73-1	
1,3-Dichloropropane	ND	mg/kg	0.0046	1	05/20/15 12:00	05/22/15 19:49	142-28-9	
1,4-Dichlorobenzene	ND	mg/kg	0.0046	1	05/20/15 12:00	05/22/15 19:49	106-46-7	
2,2-Dichloropropane	ND	mg/kg	0.011	1	05/20/15 12:00	05/22/15 19:49	594-20-7	
2-Butanone (MEK)	ND	mg/kg	0.023	1	05/20/15 12:00	05/22/15 19:49	78-93-3	
2-Chlorotoluene	ND	mg/kg	0.0046	1	05/20/15 12:00	05/22/15 19:49	95-49-8	
2-Hexanone	ND	mg/kg	0.023	1	05/20/15 12:00	05/22/15 19:49	591-78-6	
4-Chlorotoluene	ND	mg/kg	0.0046	1	05/20/15 12:00	05/22/15 19:49	106-43-4	
4-Methyl-2-pentanone (MIBK)	ND	mg/kg	0.023	1	05/20/15 12:00	05/22/15 19:49	108-10-1	
Acetone	**0.030**	mg/kg	0.023	1	05/20/15 12:00	05/22/15 19:49	67-64-1	
Benzene	ND	mg/kg	0.0046	1	05/20/15 12:00	05/22/15 19:49	71-43-2	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
1700 Elm Street - Suite 200
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ANALYTICAL RESULTS

Project: 062175-05-01_PCC_Site Investig
Pace Project No.: 10306679

Sample: SO-062175-051415-JS-SB-1-20 **Lab ID: 10306679005** Collected: 05/14/15 09:40 Received: 05/15/15 14:00 Matrix: Solid

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

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV 5035 Low Level	Analytical Method: EPA 8260B Preparation Method: EPA 5035 Low							
Bromobenzene	ND	mg/kg	0.0046	1	05/20/15 12:00	05/22/15 19:49	108-86-1	
Bromochloromethane	ND	mg/kg	0.0046	1	05/20/15 12:00	05/22/15 19:49	74-97-5	
Bromodichloromethane	ND	mg/kg	0.0046	1	05/20/15 12:00	05/22/15 19:49	75-27-4	
Bromoform	ND	mg/kg	0.023	1	05/20/15 12:00	05/22/15 19:49	75-25-2	
Bromomethane	ND	mg/kg	0.023	1	05/20/15 12:00	05/22/15 19:49	74-83-9	
Carbon disulfide	ND	mg/kg	0.0046	1	05/20/15 12:00	05/22/15 19:49	75-15-0	
Carbon tetrachloride	ND	mg/kg	0.0046	1	05/20/15 12:00	05/22/15 19:49	56-23-5	
Chlorobenzene	ND	mg/kg	0.0046	1	05/20/15 12:00	05/22/15 19:49	108-90-7	
Chloroethane	ND	mg/kg	0.011	1	05/20/15 12:00	05/22/15 19:49	75-00-3	
Chloroform	ND	mg/kg	0.0046	1	05/20/15 12:00	05/22/15 19:49	67-66-3	
Chloromethane	ND	mg/kg	0.011	1	05/20/15 12:00	05/22/15 19:49	74-87-3	
Dibromochloromethane	ND	mg/kg	0.0046	1	05/20/15 12:00	05/22/15 19:49	124-48-1	
Dibromomethane	ND	mg/kg	0.0046	1	05/20/15 12:00	05/22/15 19:49	74-95-3	
Dichlorodifluoromethane	ND	mg/kg	0.011	1	05/20/15 12:00	05/22/15 19:49	75-71-8	L3
Dichlorofluoromethane	ND	mg/kg	0.0046	1	05/20/15 12:00	05/22/15 19:49	75-43-4	
Ethylbenzene	ND	mg/kg	0.0046	1	05/20/15 12:00	05/22/15 19:49	100-41-4	
Hexachloro-1,3-butadiene	ND	mg/kg	0.011	1	05/20/15 12:00	05/22/15 19:49	87-68-3	
Isopropylbenzene (Cumene)	ND	mg/kg	0.0046	1	05/20/15 12:00	05/22/15 19:49	98-82-8	
Methyl-tert-butyl ether	ND	mg/kg	0.0046	1	05/20/15 12:00	05/22/15 19:49	1634-04-4	
Methylene Chloride	ND	mg/kg	0.023	1	05/20/15 12:00	05/22/15 19:49	75-09-2	
Naphthalene	ND	mg/kg	0.011	1	05/20/15 12:00	05/22/15 19:49	91-20-3	
Styrene	ND	mg/kg	0.0046	1	05/20/15 12:00	05/22/15 19:49	100-42-5	
Tetrachloroethene	ND	mg/kg	0.0046	1	05/20/15 12:00	05/22/15 19:49	127-18-4	
Toluene	ND	mg/kg	0.0046	1	05/20/15 12:00	05/22/15 19:49	108-88-3	
Trichloroethene	ND	mg/kg	0.0046	1	05/20/15 12:00	05/22/15 19:49	79-01-6	
Trichlorofluoromethane	ND	mg/kg	0.011	1	05/20/15 12:00	05/22/15 19:49	75-69-4	
Vinyl chloride	ND	mg/kg	0.0046	1	05/20/15 12:00	05/22/15 19:49	75-01-4	
Xylene (Total)	ND	mg/kg	0.014	1	05/20/15 12:00	05/22/15 19:49	1330-20-7	
cis-1,2-Dichloroethene	ND	mg/kg	0.0046	1	05/20/15 12:00	05/22/15 19:49	156-59-2	
cis-1,3-Dichloropropene	ND	mg/kg	0.0046	1	05/20/15 12:00	05/22/15 19:49	10061-01-5	
m&p-Xylene	ND	mg/kg	0.0091	1	05/20/15 12:00	05/22/15 19:49	179601-23-1	
n-Butylbenzene	ND	mg/kg	0.0046	1	05/20/15 12:00	05/22/15 19:49	104-51-8	
n-Propylbenzene	ND	mg/kg	0.0046	1	05/20/15 12:00	05/22/15 19:49	103-65-1	
o-Xylene	ND	mg/kg	0.0046	1	05/20/15 12:00	05/22/15 19:49	95-47-6	
p-Isopropyltoluene	ND	mg/kg	0.0046	1	05/20/15 12:00	05/22/15 19:49	99-87-6	
sec-Butylbenzene	ND	mg/kg	0.0046	1	05/20/15 12:00	05/22/15 19:49	135-98-8	
tert-Butylbenzene	ND	mg/kg	0.0046	1	05/20/15 12:00	05/22/15 19:49	98-06-6	
trans-1,2-Dichloroethene	ND	mg/kg	0.0046	1	05/20/15 12:00	05/22/15 19:49	156-60-5	
trans-1,3-Dichloropropene	ND	mg/kg	0.0046	1	05/20/15 12:00	05/22/15 19:49	10061-02-6	
Surrogates								
1,2-Dichloroethane-d4 (S)	103	%.	30-150	1	05/20/15 12:00	05/22/15 19:49	17060-07-0	
Toluene-d8 (S)	103	%.	30-150	1	05/20/15 12:00	05/22/15 19:49	2037-26-5	
4-Bromofluorobenzene (S)	108	%.	30-150	1	05/20/15 12:00	05/22/15 19:49	460-00-4	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
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ANALYTICAL RESULTS

Project: 062175-05-01_PCC_Site Investig
Pace Project No.: 10306679

Sample: SO-062175-051415-JS-SB-7-5 **Lab ID: 10306679006** Collected: 05/14/15 10:30 Received: 05/15/15 14:00 Matrix: Solid

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

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6020A MET ICPMS	Analytical Method: EPA 6020A Preparation Method: EPA 3050							
Arsenic	**4.9**	mg/kg	0.51	20	05/27/15 10:19	05/28/15 16:07	7440-38-2	
Barium	**69.6**	mg/kg	0.31	20	05/27/15 10:19	05/28/15 16:07	7440-39-3	
Cadmium	**0.10**	mg/kg	0.082	20	05/27/15 10:19	05/28/15 16:07	7440-43-9	
Chromium	**34.0**	mg/kg	0.51	20	05/27/15 10:19	05/28/15 16:07	7440-47-3	
Lead	**3.8**	mg/kg	0.10	20	05/27/15 10:19	05/28/15 16:07	7439-92-1	
Selenium	**0.69**	mg/kg	0.51	20	05/27/15 10:19	05/28/15 16:07	7782-49-2	
Silver	ND	mg/kg	0.51	20	05/27/15 10:19	05/28/15 16:07	7440-22-4	
7471B Mercury	Analytical Method: EPA 7471B Preparation Method: EPA 7471B							
Mercury	**0.022**	mg/kg	0.022	1	05/27/15 16:29	05/28/15 12:58	7439-97-6	
Dry Weight	Analytical Method: ASTM D2974							
Percent Moisture	**13.9**	%	0.10	1		05/28/15 18:00		
8260B MSV 5035 Low Level	Analytical Method: EPA 8260B Preparation Method: EPA 5035 Low							
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.0036	1	05/20/15 12:00	05/22/15 20:08	630-20-6	
1,1,1-Trichloroethane	ND	mg/kg	0.0036	1	05/20/15 12:00	05/22/15 20:08	71-55-6	
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.0036	1	05/20/15 12:00	05/22/15 20:08	79-34-5	
1,1,2-Trichloroethane	ND	mg/kg	0.0036	1	05/20/15 12:00	05/22/15 20:08	79-00-5	
1,1,2-Trichlorotrifluoroethane	ND	mg/kg	0.0036	1	05/20/15 12:00	05/22/15 20:08	76-13-1	L3
1,1-Dichloroethane	ND	mg/kg	0.0036	1	05/20/15 12:00	05/22/15 20:08	75-34-3	
1,1-Dichloroethene	ND	mg/kg	0.0036	1	05/20/15 12:00	05/22/15 20:08	75-35-4	
1,1-Dichloropropene	ND	mg/kg	0.0036	1	05/20/15 12:00	05/22/15 20:08	563-58-6	
1,2,3-Trichlorobenzene	ND	mg/kg	0.0036	1	05/20/15 12:00	05/22/15 20:08	87-61-6	
1,2,3-Trichloropropane	ND	mg/kg	0.0036	1	05/20/15 12:00	05/22/15 20:08	96-18-4	
1,2,4-Trichlorobenzene	ND	mg/kg	0.0036	1	05/20/15 12:00	05/22/15 20:08	120-82-1	
1,2,4-Trimethylbenzene	ND	mg/kg	0.0036	1	05/20/15 12:00	05/22/15 20:08	95-63-6	
1,2-Dibromo-3-chloropropane	ND	mg/kg	0.0089	1	05/20/15 12:00	05/22/15 20:08	96-12-8	
1,2-Dibromoethane (EDB)	ND	mg/kg	0.0036	1	05/20/15 12:00	05/22/15 20:08	106-93-4	
1,2-Dichlorobenzene	ND	mg/kg	0.0036	1	05/20/15 12:00	05/22/15 20:08	95-50-1	
1,2-Dichloroethane	ND	mg/kg	0.0036	1	05/20/15 12:00	05/22/15 20:08	107-06-2	
1,2-Dichloroethene (Total)	ND	mg/kg	0.0071	1	05/20/15 12:00	05/22/15 20:08	540-59-0	
1,2-Dichloropropane	ND	mg/kg	0.0036	1	05/20/15 12:00	05/22/15 20:08	78-87-5	
1,3,5-Trimethylbenzene	ND	mg/kg	0.0036	1	05/20/15 12:00	05/22/15 20:08	108-67-8	
1,3-Dichlorobenzene	ND	mg/kg	0.0036	1	05/20/15 12:00	05/22/15 20:08	541-73-1	
1,3-Dichloropropane	ND	mg/kg	0.0036	1	05/20/15 12:00	05/22/15 20:08	142-28-9	
1,4-Dichlorobenzene	ND	mg/kg	0.0036	1	05/20/15 12:00	05/22/15 20:08	106-46-7	
2,2-Dichloropropane	ND	mg/kg	0.0089	1	05/20/15 12:00	05/22/15 20:08	594-20-7	
2-Butanone (MEK)	ND	mg/kg	0.018	1	05/20/15 12:00	05/22/15 20:08	78-93-3	
2-Chlorotoluene	ND	mg/kg	0.0036	1	05/20/15 12:00	05/22/15 20:08	95-49-8	
2-Hexanone	ND	mg/kg	0.018	1	05/20/15 12:00	05/22/15 20:08	591-78-6	
4-Chlorotoluene	ND	mg/kg	0.0036	1	05/20/15 12:00	05/22/15 20:08	106-43-4	
4-Methyl-2-pentanone (MIBK)	ND	mg/kg	0.018	1	05/20/15 12:00	05/22/15 20:08	108-10-1	
Acetone	**0.019**	mg/kg	0.018	1	05/20/15 12:00	05/22/15 20:08	67-64-1	
Benzene	ND	mg/kg	0.0036	1	05/20/15 12:00	05/22/15 20:08	71-43-2	

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ANALYTICAL RESULTS

Project: 062175-05-01_PCC_Site Investig
Pace Project No.: 10306679

Sample: SO-062175-051415-JS-SB-7-5 **Lab ID: 10306679006** Collected: 05/14/15 10:30 Received: 05/15/15 14:00 Matrix: Solid

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

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV 5035 Low Level	Analytical Method: EPA 8260B Preparation Method: EPA 5035 Low							
Bromobenzene	ND	mg/kg	0.0036	1	05/20/15 12:00	05/22/15 20:08	108-86-1	
Bromochloromethane	ND	mg/kg	0.0036	1	05/20/15 12:00	05/22/15 20:08	74-97-5	
Bromodichloromethane	ND	mg/kg	0.0036	1	05/20/15 12:00	05/22/15 20:08	75-27-4	
Bromoform	ND	mg/kg	0.018	1	05/20/15 12:00	05/22/15 20:08	75-25-2	
Bromomethane	ND	mg/kg	0.018	1	05/20/15 12:00	05/22/15 20:08	74-83-9	
Carbon disulfide	ND	mg/kg	0.0036	1	05/20/15 12:00	05/22/15 20:08	75-15-0	
Carbon tetrachloride	ND	mg/kg	0.0036	1	05/20/15 12:00	05/22/15 20:08	56-23-5	
Chlorobenzene	ND	mg/kg	0.0036	1	05/20/15 12:00	05/22/15 20:08	108-90-7	
Chloroethane	ND	mg/kg	0.0089	1	05/20/15 12:00	05/22/15 20:08	75-00-3	
Chloroform	ND	mg/kg	0.0036	1	05/20/15 12:00	05/22/15 20:08	67-66-3	
Chloromethane	ND	mg/kg	0.0089	1	05/20/15 12:00	05/22/15 20:08	74-87-3	
Dibromochloromethane	ND	mg/kg	0.0036	1	05/20/15 12:00	05/22/15 20:08	124-48-1	
Dibromomethane	ND	mg/kg	0.0036	1	05/20/15 12:00	05/22/15 20:08	74-95-3	
Dichlorodifluoromethane	ND	mg/kg	0.0089	1	05/20/15 12:00	05/22/15 20:08	75-71-8	L3
Dichlorofluoromethane	ND	mg/kg	0.0036	1	05/20/15 12:00	05/22/15 20:08	75-43-4	
Ethylbenzene	ND	mg/kg	0.0036	1	05/20/15 12:00	05/22/15 20:08	100-41-4	
Hexachloro-1,3-butadiene	ND	mg/kg	0.0089	1	05/20/15 12:00	05/22/15 20:08	87-68-3	
Isopropylbenzene (Cumene)	ND	mg/kg	0.0036	1	05/20/15 12:00	05/22/15 20:08	98-82-8	
Methyl-tert-butyl ether	ND	mg/kg	0.0036	1	05/20/15 12:00	05/22/15 20:08	1634-04-4	
Methylene Chloride	ND	mg/kg	0.018	1	05/20/15 12:00	05/22/15 20:08	75-09-2	
Naphthalene	ND	mg/kg	0.0089	1	05/20/15 12:00	05/22/15 20:08	91-20-3	
Styrene	ND	mg/kg	0.0036	1	05/20/15 12:00	05/22/15 20:08	100-42-5	
Tetrachloroethene	ND	mg/kg	0.0036	1	05/20/15 12:00	05/22/15 20:08	127-18-4	
Toluene	ND	mg/kg	0.0036	1	05/20/15 12:00	05/22/15 20:08	108-88-3	
Trichloroethene	ND	mg/kg	0.0036	1	05/20/15 12:00	05/22/15 20:08	79-01-6	
Trichlorofluoromethane	ND	mg/kg	0.0089	1	05/20/15 12:00	05/22/15 20:08	75-69-4	
Vinyl chloride	ND	mg/kg	0.0036	1	05/20/15 12:00	05/22/15 20:08	75-01-4	
Xylene (Total)	ND	mg/kg	0.011	1	05/20/15 12:00	05/22/15 20:08	1330-20-7	
cis-1,2-Dichloroethene	ND	mg/kg	0.0036	1	05/20/15 12:00	05/22/15 20:08	156-59-2	
cis-1,3-Dichloropropene	ND	mg/kg	0.0036	1	05/20/15 12:00	05/22/15 20:08	10061-01-5	
m&p-Xylene	ND	mg/kg	0.0071	1	05/20/15 12:00	05/22/15 20:08	179601-23-1	
n-Butylbenzene	ND	mg/kg	0.0036	1	05/20/15 12:00	05/22/15 20:08	104-51-8	
n-Propylbenzene	ND	mg/kg	0.0036	1	05/20/15 12:00	05/22/15 20:08	103-65-1	
o-Xylene	ND	mg/kg	0.0036	1	05/20/15 12:00	05/22/15 20:08	95-47-6	
p-Isopropyltoluene	ND	mg/kg	0.0036	1	05/20/15 12:00	05/22/15 20:08	99-87-6	
sec-Butylbenzene	ND	mg/kg	0.0036	1	05/20/15 12:00	05/22/15 20:08	135-98-8	
tert-Butylbenzene	ND	mg/kg	0.0036	1	05/20/15 12:00	05/22/15 20:08	98-06-6	
trans-1,2-Dichloroethene	ND	mg/kg	0.0036	1	05/20/15 12:00	05/22/15 20:08	156-60-5	
trans-1,3-Dichloropropene	ND	mg/kg	0.0036	1	05/20/15 12:00	05/22/15 20:08	10061-02-6	
Surrogates								
1,2-Dichloroethane-d4 (S)	109	%.	30-150	1	05/20/15 12:00	05/22/15 20:08	17060-07-0	
Toluene-d8 (S)	98	%.	30-150	1	05/20/15 12:00	05/22/15 20:08	2037-26-5	
4-Bromofluorobenzene (S)	101	%.	30-150	1	05/20/15 12:00	05/22/15 20:08	460-00-4	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 062175-05-01_PCC_Site Investig
Pace Project No.: 10306679

Sample: SO-062175-051415-JS-SB-7-13 **Lab ID: 10306679007** Collected: 05/14/15 11:00 Received: 05/15/15 14:00 Matrix: Solid

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

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6020A MET ICPMS	Analytical Method: EPA 6020A Preparation Method: EPA 3050							
Arsenic	**6.9**	mg/kg	0.69	20	05/27/15 10:19	05/28/15 16:12	7440-38-2	
Barium	**76.4**	mg/kg	0.42	20	05/27/15 10:19	05/28/15 16:12	7440-39-3	
Cadmium	**0.12**	mg/kg	0.11	20	05/27/15 10:19	05/28/15 16:12	7440-43-9	
Chromium	**22.8**	mg/kg	0.69	20	05/27/15 10:19	05/28/15 16:12	7440-47-3	
Lead	**4.6**	mg/kg	0.14	20	05/27/15 10:19	05/28/15 16:12	7439-92-1	
Selenium	**0.88**	mg/kg	0.69	20	05/27/15 10:19	05/28/15 16:12	7782-49-2	
Silver	ND	mg/kg	0.69	20	05/27/15 10:19	05/28/15 16:12	7440-22-4	
7471B Mercury	Analytical Method: EPA 7471B Preparation Method: EPA 7471B							
Mercury	**0.065**	mg/kg	0.028	1	05/27/15 16:29	05/28/15 13:00	7439-97-6	
Dry Weight	Analytical Method: ASTM D2974							
Percent Moisture	**30.5**	%	0.10	1		05/28/15 18:00		
8260B MSV 5035 Low Level	Analytical Method: EPA 8260B Preparation Method: EPA 5035 Low							
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.0053	1	05/20/15 12:00	05/22/15 20:26	630-20-6	
1,1,1-Trichloroethane	ND	mg/kg	0.0053	1	05/20/15 12:00	05/22/15 20:26	71-55-6	
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.0053	1	05/20/15 12:00	05/22/15 20:26	79-34-5	
1,1,2-Trichloroethane	ND	mg/kg	0.0053	1	05/20/15 12:00	05/22/15 20:26	79-00-5	
1,1,2-Trichlorotrifluoroethane	ND	mg/kg	0.0053	1	05/20/15 12:00	05/22/15 20:26	76-13-1	L3
1,1-Dichloroethane	ND	mg/kg	0.0053	1	05/20/15 12:00	05/22/15 20:26	75-34-3	
1,1-Dichloroethene	ND	mg/kg	0.0053	1	05/20/15 12:00	05/22/15 20:26	75-35-4	
1,1-Dichloropropene	ND	mg/kg	0.0053	1	05/20/15 12:00	05/22/15 20:26	563-58-6	
1,2,3-Trichlorobenzene	ND	mg/kg	0.0053	1	05/20/15 12:00	05/22/15 20:26	87-61-6	
1,2,3-Trichloropropane	ND	mg/kg	0.0053	1	05/20/15 12:00	05/22/15 20:26	96-18-4	
1,2,4-Trichlorobenzene	ND	mg/kg	0.0053	1	05/20/15 12:00	05/22/15 20:26	120-82-1	
1,2,4-Trimethylbenzene	ND	mg/kg	0.0053	1	05/20/15 12:00	05/22/15 20:26	95-63-6	
1,2-Dibromo-3-chloropropane	ND	mg/kg	0.013	1	05/20/15 12:00	05/22/15 20:26	96-12-8	
1,2-Dibromoethane (EDB)	ND	mg/kg	0.0053	1	05/20/15 12:00	05/22/15 20:26	106-93-4	
1,2-Dichlorobenzene	ND	mg/kg	0.0053	1	05/20/15 12:00	05/22/15 20:26	95-50-1	
1,2-Dichloroethane	ND	mg/kg	0.0053	1	05/20/15 12:00	05/22/15 20:26	107-06-2	
1,2-Dichloroethene (Total)	ND	mg/kg	0.011	1	05/20/15 12:00	05/22/15 20:26	540-59-0	
1,2-Dichloropropane	ND	mg/kg	0.0053	1	05/20/15 12:00	05/22/15 20:26	78-87-5	
1,3,5-Trimethylbenzene	ND	mg/kg	0.0053	1	05/20/15 12:00	05/22/15 20:26	108-67-8	
1,3-Dichlorobenzene	ND	mg/kg	0.0053	1	05/20/15 12:00	05/22/15 20:26	541-73-1	
1,3-Dichloropropane	ND	mg/kg	0.0053	1	05/20/15 12:00	05/22/15 20:26	142-28-9	
1,4-Dichlorobenzene	ND	mg/kg	0.0053	1	05/20/15 12:00	05/22/15 20:26	106-46-7	
2,2-Dichloropropane	ND	mg/kg	0.013	1	05/20/15 12:00	05/22/15 20:26	594-20-7	
2-Butanone (MEK)	ND	mg/kg	0.026	1	05/20/15 12:00	05/22/15 20:26	78-93-3	
2-Chlorotoluene	ND	mg/kg	0.0053	1	05/20/15 12:00	05/22/15 20:26	95-49-8	
2-Hexanone	ND	mg/kg	0.026	1	05/20/15 12:00	05/22/15 20:26	591-78-6	
4-Chlorotoluene	ND	mg/kg	0.0053	1	05/20/15 12:00	05/22/15 20:26	106-43-4	
4-Methyl-2-pentanone (MIBK)	ND	mg/kg	0.026	1	05/20/15 12:00	05/22/15 20:26	108-10-1	
Acetone	**0.044**	mg/kg	0.026	1	05/20/15 12:00	05/22/15 20:26	67-64-1	
Benzene	ND	mg/kg	0.0053	1	05/20/15 12:00	05/22/15 20:26	71-43-2	

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ANALYTICAL RESULTS

Project: 062175-05-01_PCC_Site Investig
Pace Project No.: 10306679

Sample: SO-062175-051415-JS-SB-7-13 **Lab ID: 10306679007** Collected: 05/14/15 11:00 Received: 05/15/15 14:00 Matrix: Solid

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

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV 5035 Low Level	Analytical Method: EPA 8260B Preparation Method: EPA 5035 Low							
Bromobenzene	ND	mg/kg	0.0053	1	05/20/15 12:00	05/22/15 20:26	108-86-1	
Bromochloromethane	ND	mg/kg	0.0053	1	05/20/15 12:00	05/22/15 20:26	74-97-5	
Bromodichloromethane	ND	mg/kg	0.0053	1	05/20/15 12:00	05/22/15 20:26	75-27-4	
Bromoform	ND	mg/kg	0.026	1	05/20/15 12:00	05/22/15 20:26	75-25-2	
Bromomethane	ND	mg/kg	0.026	1	05/20/15 12:00	05/22/15 20:26	74-83-9	
Carbon disulfide	ND	mg/kg	0.0053	1	05/20/15 12:00	05/22/15 20:26	75-15-0	
Carbon tetrachloride	ND	mg/kg	0.0053	1	05/20/15 12:00	05/22/15 20:26	56-23-5	
Chlorobenzene	ND	mg/kg	0.0053	1	05/20/15 12:00	05/22/15 20:26	108-90-7	
Chloroethane	ND	mg/kg	0.013	1	05/20/15 12:00	05/22/15 20:26	75-00-3	
Chloroform	ND	mg/kg	0.0053	1	05/20/15 12:00	05/22/15 20:26	67-66-3	
Chloromethane	ND	mg/kg	0.013	1	05/20/15 12:00	05/22/15 20:26	74-87-3	
Dibromochloromethane	ND	mg/kg	0.0053	1	05/20/15 12:00	05/22/15 20:26	124-48-1	
Dibromomethane	ND	mg/kg	0.0053	1	05/20/15 12:00	05/22/15 20:26	74-95-3	
Dichlorodifluoromethane	ND	mg/kg	0.013	1	05/20/15 12:00	05/22/15 20:26	75-71-8	L3
Dichlorofluoromethane	ND	mg/kg	0.0053	1	05/20/15 12:00	05/22/15 20:26	75-43-4	
Ethylbenzene	ND	mg/kg	0.0053	1	05/20/15 12:00	05/22/15 20:26	100-41-4	
Hexachloro-1,3-butadiene	ND	mg/kg	0.013	1	05/20/15 12:00	05/22/15 20:26	87-68-3	
Isopropylbenzene (Cumene)	ND	mg/kg	0.0053	1	05/20/15 12:00	05/22/15 20:26	98-82-8	
Methyl-tert-butyl ether	ND	mg/kg	0.0053	1	05/20/15 12:00	05/22/15 20:26	1634-04-4	
Methylene Chloride	ND	mg/kg	0.026	1	05/20/15 12:00	05/22/15 20:26	75-09-2	
Naphthalene	ND	mg/kg	0.013	1	05/20/15 12:00	05/22/15 20:26	91-20-3	
Styrene	ND	mg/kg	0.0053	1	05/20/15 12:00	05/22/15 20:26	100-42-5	
Tetrachloroethene	ND	mg/kg	0.0053	1	05/20/15 12:00	05/22/15 20:26	127-18-4	
Toluene	ND	mg/kg	0.0053	1	05/20/15 12:00	05/22/15 20:26	108-88-3	
Trichloroethene	ND	mg/kg	0.0053	1	05/20/15 12:00	05/22/15 20:26	79-01-6	
Trichlorofluoromethane	ND	mg/kg	0.013	1	05/20/15 12:00	05/22/15 20:26	75-69-4	
Vinyl chloride	ND	mg/kg	0.0053	1	05/20/15 12:00	05/22/15 20:26	75-01-4	
Xylene (Total)	ND	mg/kg	0.016	1	05/20/15 12:00	05/22/15 20:26	1330-20-7	
cis-1,2-Dichloroethene	ND	mg/kg	0.0053	1	05/20/15 12:00	05/22/15 20:26	156-59-2	
cis-1,3-Dichloropropene	ND	mg/kg	0.0053	1	05/20/15 12:00	05/22/15 20:26	10061-01-5	
m&p-Xylene	ND	mg/kg	0.011	1	05/20/15 12:00	05/22/15 20:26	179601-23-1	
n-Butylbenzene	ND	mg/kg	0.0053	1	05/20/15 12:00	05/22/15 20:26	104-51-8	
n-Propylbenzene	ND	mg/kg	0.0053	1	05/20/15 12:00	05/22/15 20:26	103-65-1	
o-Xylene	ND	mg/kg	0.0053	1	05/20/15 12:00	05/22/15 20:26	95-47-6	
p-Isopropyltoluene	ND	mg/kg	0.0053	1	05/20/15 12:00	05/22/15 20:26	99-87-6	
sec-Butylbenzene	ND	mg/kg	0.0053	1	05/20/15 12:00	05/22/15 20:26	135-98-8	
tert-Butylbenzene	ND	mg/kg	0.0053	1	05/20/15 12:00	05/22/15 20:26	98-06-6	
trans-1,2-Dichloroethene	ND	mg/kg	0.0053	1	05/20/15 12:00	05/22/15 20:26	156-60-5	
trans-1,3-Dichloropropene	ND	mg/kg	0.0053	1	05/20/15 12:00	05/22/15 20:26	10061-02-6	
Surrogates								
1,2-Dichloroethane-d4 (S)	107	%.	30-150	1	05/20/15 12:00	05/22/15 20:26	17060-07-0	
Toluene-d8 (S)	98	%.	30-150	1	05/20/15 12:00	05/22/15 20:26	2037-26-5	
4-Bromofluorobenzene (S)	101	%.	30-150	1	05/20/15 12:00	05/22/15 20:26	460-00-4	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 062175-05-01_PCC_Site Investig
Pace Project No.: 10306679

Sample: SO-062175-051415-JS-SB-7-20 **Lab ID: 10306679008** Collected: 05/14/15 11:20 Received: 05/15/15 14:00 Matrix: Solid

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

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6020A MET ICPMS	Analytical Method: EPA 6020A Preparation Method: EPA 3050							
Arsenic	**2.1**	mg/kg	0.55	20	05/27/15 10:19	05/28/15 16:16	7440-38-2	
Barium	**39.6**	mg/kg	0.33	20	05/27/15 10:19	05/28/15 16:16	7440-39-3	
Cadmium	ND	mg/kg	0.087	20	05/27/15 10:19	05/28/15 16:16	7440-43-9	
Chromium	**11.2**	mg/kg	0.55	20	05/27/15 10:19	05/28/15 16:16	7440-47-3	
Lead	**1.8**	mg/kg	0.11	20	05/27/15 10:19	05/28/15 16:16	7439-92-1	
Selenium	ND	mg/kg	0.55	20	05/27/15 10:19	05/28/15 16:16	7782-49-2	
Silver	ND	mg/kg	0.55	20	05/27/15 10:19	05/28/15 16:16	7440-22-4	
7471B Mercury	Analytical Method: EPA 7471B Preparation Method: EPA 7471B							
Mercury	ND	mg/kg	0.022	1	05/27/15 16:29	05/28/15 13:02	7439-97-6	
Dry Weight	Analytical Method: ASTM D2974							
Percent Moisture	**19.0**	%	0.10	1		05/28/15 18:00		
8260B MSV 5035 Low Level	Analytical Method: EPA 8260B Preparation Method: EPA 5035 Low							
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.0040	1	05/20/15 12:00	05/22/15 20:45	630-20-6	
1,1,1-Trichloroethane	ND	mg/kg	0.0040	1	05/20/15 12:00	05/22/15 20:45	71-55-6	
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.0040	1	05/20/15 12:00	05/22/15 20:45	79-34-5	
1,1,2-Trichloroethane	ND	mg/kg	0.0040	1	05/20/15 12:00	05/22/15 20:45	79-00-5	
1,1,2-Trichlorotrifluoroethane	ND	mg/kg	0.0040	1	05/20/15 12:00	05/22/15 20:45	76-13-1	L3
1,1-Dichloroethane	ND	mg/kg	0.0040	1	05/20/15 12:00	05/22/15 20:45	75-34-3	
1,1-Dichloroethene	ND	mg/kg	0.0040	1	05/20/15 12:00	05/22/15 20:45	75-35-4	
1,1-Dichloropropene	ND	mg/kg	0.0040	1	05/20/15 12:00	05/22/15 20:45	563-58-6	
1,2,3-Trichlorobenzene	ND	mg/kg	0.0040	1	05/20/15 12:00	05/22/15 20:45	87-61-6	
1,2,3-Trichloropropane	ND	mg/kg	0.0040	1	05/20/15 12:00	05/22/15 20:45	96-18-4	
1,2,4-Trichlorobenzene	ND	mg/kg	0.0040	1	05/20/15 12:00	05/22/15 20:45	120-82-1	
1,2,4-Trimethylbenzene	ND	mg/kg	0.0040	1	05/20/15 12:00	05/22/15 20:45	95-63-6	
1,2-Dibromo-3-chloropropane	ND	mg/kg	0.010	1	05/20/15 12:00	05/22/15 20:45	96-12-8	
1,2-Dibromoethane (EDB)	ND	mg/kg	0.0040	1	05/20/15 12:00	05/22/15 20:45	106-93-4	
1,2-Dichlorobenzene	ND	mg/kg	0.0040	1	05/20/15 12:00	05/22/15 20:45	95-50-1	
1,2-Dichloroethane	ND	mg/kg	0.0040	1	05/20/15 12:00	05/22/15 20:45	107-06-2	
1,2-Dichloroethene (Total)	ND	mg/kg	0.0081	1	05/20/15 12:00	05/22/15 20:45	540-59-0	
1,2-Dichloropropane	ND	mg/kg	0.0040	1	05/20/15 12:00	05/22/15 20:45	78-87-5	
1,3,5-Trimethylbenzene	ND	mg/kg	0.0040	1	05/20/15 12:00	05/22/15 20:45	108-67-8	
1,3-Dichlorobenzene	ND	mg/kg	0.0040	1	05/20/15 12:00	05/22/15 20:45	541-73-1	
1,3-Dichloropropane	ND	mg/kg	0.0040	1	05/20/15 12:00	05/22/15 20:45	142-28-9	
1,4-Dichlorobenzene	ND	mg/kg	0.0040	1	05/20/15 12:00	05/22/15 20:45	106-46-7	
2,2-Dichloropropane	ND	mg/kg	0.010	1	05/20/15 12:00	05/22/15 20:45	594-20-7	
2-Butanone (MEK)	ND	mg/kg	0.020	1	05/20/15 12:00	05/22/15 20:45	78-93-3	
2-Chlorotoluene	ND	mg/kg	0.0040	1	05/20/15 12:00	05/22/15 20:45	95-49-8	
2-Hexanone	ND	mg/kg	0.020	1	05/20/15 12:00	05/22/15 20:45	591-78-6	
4-Chlorotoluene	ND	mg/kg	0.0040	1	05/20/15 12:00	05/22/15 20:45	106-43-4	
4-Methyl-2-pentanone (MIBK)	ND	mg/kg	0.020	1	05/20/15 12:00	05/22/15 20:45	108-10-1	
Acetone	**0.023**	mg/kg	0.020	1	05/20/15 12:00	05/22/15 20:45	67-64-1	
Benzene	ND	mg/kg	0.0040	1	05/20/15 12:00	05/22/15 20:45	71-43-2	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 062175-05-01_PCC_Site Investig
Pace Project No.: 10306679

Sample: SO-062175-051415-JS-SB-7-20 **Lab ID: 10306679008** Collected: 05/14/15 11:20 Received: 05/15/15 14:00 Matrix: Solid

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

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV 5035 Low Level	Analytical Method: EPA 8260B Preparation Method: EPA 5035 Low							
Bromobenzene	ND	mg/kg	0.0040	1	05/20/15 12:00	05/22/15 20:45	108-86-1	
Bromochloromethane	ND	mg/kg	0.0040	1	05/20/15 12:00	05/22/15 20:45	74-97-5	
Bromodichloromethane	ND	mg/kg	0.0040	1	05/20/15 12:00	05/22/15 20:45	75-27-4	
Bromoform	ND	mg/kg	0.020	1	05/20/15 12:00	05/22/15 20:45	75-25-2	
Bromomethane	ND	mg/kg	0.020	1	05/20/15 12:00	05/22/15 20:45	74-83-9	
Carbon disulfide	**0.0044**	mg/kg	0.0040	1	05/20/15 12:00	05/22/15 20:45	75-15-0	
Carbon tetrachloride	ND	mg/kg	0.0040	1	05/20/15 12:00	05/22/15 20:45	56-23-5	
Chlorobenzene	ND	mg/kg	0.0040	1	05/20/15 12:00	05/22/15 20:45	108-90-7	
Chloroethane	ND	mg/kg	0.010	1	05/20/15 12:00	05/22/15 20:45	75-00-3	
Chloroform	ND	mg/kg	0.0040	1	05/20/15 12:00	05/22/15 20:45	67-66-3	
Chloromethane	ND	mg/kg	0.010	1	05/20/15 12:00	05/22/15 20:45	74-87-3	
Dibromochloromethane	ND	mg/kg	0.0040	1	05/20/15 12:00	05/22/15 20:45	124-48-1	
Dibromomethane	ND	mg/kg	0.0040	1	05/20/15 12:00	05/22/15 20:45	74-95-3	
Dichlorodifluoromethane	ND	mg/kg	0.010	1	05/20/15 12:00	05/22/15 20:45	75-71-8	L3
Dichlorofluoromethane	ND	mg/kg	0.0040	1	05/20/15 12:00	05/22/15 20:45	75-43-4	
Ethylbenzene	ND	mg/kg	0.0040	1	05/20/15 12:00	05/22/15 20:45	100-41-4	
Hexachloro-1,3-butadiene	ND	mg/kg	0.010	1	05/20/15 12:00	05/22/15 20:45	87-68-3	
Isopropylbenzene (Cumene)	ND	mg/kg	0.0040	1	05/20/15 12:00	05/22/15 20:45	98-82-8	
Methyl-tert-butyl ether	ND	mg/kg	0.0040	1	05/20/15 12:00	05/22/15 20:45	1634-04-4	
Methylene Chloride	ND	mg/kg	0.020	1	05/20/15 12:00	05/22/15 20:45	75-09-2	
Naphthalene	ND	mg/kg	0.010	1	05/20/15 12:00	05/22/15 20:45	91-20-3	
Styrene	ND	mg/kg	0.0040	1	05/20/15 12:00	05/22/15 20:45	100-42-5	
Tetrachloroethene	ND	mg/kg	0.0040	1	05/20/15 12:00	05/22/15 20:45	127-18-4	
Toluene	ND	mg/kg	0.0040	1	05/20/15 12:00	05/22/15 20:45	108-88-3	
Trichloroethene	ND	mg/kg	0.0040	1	05/20/15 12:00	05/22/15 20:45	79-01-6	
Trichlorofluoromethane	ND	mg/kg	0.010	1	05/20/15 12:00	05/22/15 20:45	75-69-4	
Vinyl chloride	ND	mg/kg	0.0040	1	05/20/15 12:00	05/22/15 20:45	75-01-4	
Xylene (Total)	ND	mg/kg	0.012	1	05/20/15 12:00	05/22/15 20:45	1330-20-7	
cis-1,2-Dichloroethene	ND	mg/kg	0.0040	1	05/20/15 12:00	05/22/15 20:45	156-59-2	
cis-1,3-Dichloropropene	ND	mg/kg	0.0040	1	05/20/15 12:00	05/22/15 20:45	10061-01-5	
m&p-Xylene	ND	mg/kg	0.0081	1	05/20/15 12:00	05/22/15 20:45	179601-23-1	
n-Butylbenzene	ND	mg/kg	0.0040	1	05/20/15 12:00	05/22/15 20:45	104-51-8	
n-Propylbenzene	ND	mg/kg	0.0040	1	05/20/15 12:00	05/22/15 20:45	103-65-1	
o-Xylene	ND	mg/kg	0.0040	1	05/20/15 12:00	05/22/15 20:45	95-47-6	
p-Isopropyltoluene	ND	mg/kg	0.0040	1	05/20/15 12:00	05/22/15 20:45	99-87-6	
sec-Butylbenzene	ND	mg/kg	0.0040	1	05/20/15 12:00	05/22/15 20:45	135-98-8	
tert-Butylbenzene	ND	mg/kg	0.0040	1	05/20/15 12:00	05/22/15 20:45	98-06-6	
trans-1,2-Dichloroethene	ND	mg/kg	0.0040	1	05/20/15 12:00	05/22/15 20:45	156-60-5	
trans-1,3-Dichloropropene	ND	mg/kg	0.0040	1	05/20/15 12:00	05/22/15 20:45	10061-02-6	
Surrogates								
1,2-Dichloroethane-d4 (S)	106	%.	30-150	1	05/20/15 12:00	05/22/15 20:45	17060-07-0	
Toluene-d8 (S)	100	%.	30-150	1	05/20/15 12:00	05/22/15 20:45	2037-26-5	
4-Bromofluorobenzene (S)	106	%.	30-150	1	05/20/15 12:00	05/22/15 20:45	460-00-4	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 062175-05-01_PCC_Site Investig
Pace Project No.: 10306679

Sample: SO-062175-051415-JS-MW-9-5 **Lab ID: 10306679009** Collected: 05/14/15 12:20 Received: 05/15/15 14:00 Matrix: Solid

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

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6020A MET ICPMS	Analytical Method: EPA 6020A Preparation Method: EPA 3050							
Arsenic	**4.4**	mg/kg	0.54	20	05/27/15 10:19	05/28/15 16:21	7440-38-2	
Barium	**462**	mg/kg	0.33	20	05/27/15 10:19	05/28/15 16:21	7440-39-3	
Cadmium	**2.1**	mg/kg	0.087	20	05/27/15 10:19	05/28/15 16:21	7440-43-9	
Chromium	**132**	mg/kg	0.54	20	05/27/15 10:19	05/28/15 16:21	7440-47-3	
Lead	**9.6**	mg/kg	0.11	20	05/27/15 10:19	05/28/15 16:21	7439-92-1	
Selenium	**0.59**	mg/kg	0.54	20	05/27/15 10:19	05/28/15 16:21	7782-49-2	
Silver	ND	mg/kg	0.54	20	05/27/15 10:19	05/28/15 16:21	7440-22-4	
7471B Mercury	Analytical Method: EPA 7471B Preparation Method: EPA 7471B							
Mercury	**0.070**	mg/kg	0.020	1	05/27/15 16:29	05/28/15 13:04	7439-97-6	
Dry Weight	Analytical Method: ASTM D2974							
Percent Moisture	**13.9**	%	0.10	1		05/28/15 18:00		
8260B MSV 5035 Low Level	Analytical Method: EPA 8260B Preparation Method: EPA 5035 Low							
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.0040	1	05/20/15 12:00	05/26/15 15:46	630-20-6	
1,1,1-Trichloroethane	**0.0061**	mg/kg	0.0040	1	05/20/15 12:00	05/26/15 15:46	71-55-6	
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.0040	1	05/20/15 12:00	05/26/15 15:46	79-34-5	
1,1,2-Trichloroethane	ND	mg/kg	0.0040	1	05/20/15 12:00	05/26/15 15:46	79-00-5	
1,1,2-Trichlorotrifluoroethane	ND	mg/kg	0.0040	1	05/20/15 12:00	05/26/15 15:46	76-13-1	L3
1,1-Dichloroethane	ND	mg/kg	0.0040	1	05/20/15 12:00	05/26/15 15:46	75-34-3	
1,1-Dichloroethene	ND	mg/kg	0.0040	1	05/20/15 12:00	05/26/15 15:46	75-35-4	
1,1-Dichloropropene	ND	mg/kg	0.0040	1	05/20/15 12:00	05/26/15 15:46	563-58-6	
1,2,3-Trichlorobenzene	ND	mg/kg	0.0040	1	05/20/15 12:00	05/26/15 15:46	87-61-6	
1,2,3-Trichloropropane	ND	mg/kg	0.0040	1	05/20/15 12:00	05/26/15 15:46	96-18-4	
1,2,4-Trichlorobenzene	ND	mg/kg	0.0040	1	05/20/15 12:00	05/26/15 15:46	120-82-1	
1,2,4-Trimethylbenzene	**0.14**	mg/kg	0.0040	1	05/20/15 12:00	05/26/15 15:46	95-63-6	
1,2-Dibromo-3-chloropropane	ND	mg/kg	0.010	1	05/20/15 12:00	05/26/15 15:46	96-12-8	
1,2-Dibromoethane (EDB)	ND	mg/kg	0.0040	1	05/20/15 12:00	05/26/15 15:46	106-93-4	
1,2-Dichlorobenzene	ND	mg/kg	0.0040	1	05/20/15 12:00	05/26/15 15:46	95-50-1	
1,2-Dichloroethane	ND	mg/kg	0.0040	1	05/20/15 12:00	05/26/15 15:46	107-06-2	
1,2-Dichloroethene (Total)	ND	mg/kg	0.0081	1	05/20/15 12:00	05/26/15 15:46	540-59-0	
1,2-Dichloropropane	ND	mg/kg	0.0040	1	05/20/15 12:00	05/26/15 15:46	78-87-5	
1,3,5-Trimethylbenzene	**0.034**	mg/kg	0.0040	1	05/20/15 12:00	05/26/15 15:46	108-67-8	
1,3-Dichlorobenzene	ND	mg/kg	0.0040	1	05/20/15 12:00	05/26/15 15:46	541-73-1	
1,3-Dichloropropane	ND	mg/kg	0.0040	1	05/20/15 12:00	05/26/15 15:46	142-28-9	
1,4-Dichlorobenzene	ND	mg/kg	0.0040	1	05/20/15 12:00	05/26/15 15:46	106-46-7	
2,2-Dichloropropane	ND	mg/kg	0.010	1	05/20/15 12:00	05/26/15 15:46	594-20-7	
2-Butanone (MEK)	ND	mg/kg	0.020	1	05/20/15 12:00	05/26/15 15:46	78-93-3	
2-Chlorotoluene	ND	mg/kg	0.0040	1	05/20/15 12:00	05/26/15 15:46	95-49-8	
2-Hexanone	**0.052**	mg/kg	0.020	1	05/20/15 12:00	05/26/15 15:46	591-78-6	
4-Chlorotoluene	ND	mg/kg	0.0040	1	05/20/15 12:00	05/26/15 15:46	106-43-4	
4-Methyl-2-pentanone (MIBK)	ND	mg/kg	0.020	1	05/20/15 12:00	05/26/15 15:46	108-10-1	
Acetone	**0.072**	mg/kg	0.020	1	05/20/15 12:00	05/26/15 15:46	67-64-1	
Benzene	ND	mg/kg	0.0040	1	05/20/15 12:00	05/26/15 15:46	71-43-2	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
1700 Elm Street - Suite 200
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ANALYTICAL RESULTS

Project: 062175-05-01_PCC_Site Investig
Pace Project No.: 10306679

Sample: SO-062175-051415-JS-MW-9-5 **Lab ID: 10306679009** Collected: 05/14/15 12:20 Received: 05/15/15 14:00 Matrix: Solid

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

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV 5035 Low Level	Analytical Method: EPA 8260B Preparation Method: EPA 5035 Low							
Bromobenzene	ND	mg/kg	0.0040	1	05/20/15 12:00	05/26/15 15:46	108-86-1	
Bromochloromethane	ND	mg/kg	0.0040	1	05/20/15 12:00	05/26/15 15:46	74-97-5	
Bromodichloromethane	ND	mg/kg	0.0040	1	05/20/15 12:00	05/26/15 15:46	75-27-4	
Bromoform	ND	mg/kg	0.020	1	05/20/15 12:00	05/26/15 15:46	75-25-2	
Bromomethane	ND	mg/kg	0.020	1	05/20/15 12:00	05/26/15 15:46	74-83-9	
Carbon disulfide	**0.042**	mg/kg	0.0040	1	05/20/15 12:00	05/26/15 15:46	75-15-0	
Carbon tetrachloride	ND	mg/kg	0.0040	1	05/20/15 12:00	05/26/15 15:46	56-23-5	
Chlorobenzene	ND	mg/kg	0.0040	1	05/20/15 12:00	05/26/15 15:46	108-90-7	
Chloroethane	ND	mg/kg	0.010	1	05/20/15 12:00	05/26/15 15:46	75-00-3	
Chloroform	ND	mg/kg	0.0040	1	05/20/15 12:00	05/26/15 15:46	67-66-3	
Chloromethane	ND	mg/kg	0.010	1	05/20/15 12:00	05/26/15 15:46	74-87-3	
Dibromochloromethane	ND	mg/kg	0.0040	1	05/20/15 12:00	05/26/15 15:46	124-48-1	
Dibromomethane	ND	mg/kg	0.0040	1	05/20/15 12:00	05/26/15 15:46	74-95-3	
Dichlorodifluoromethane	ND	mg/kg	0.010	1	05/20/15 12:00	05/26/15 15:46	75-71-8	L3
Dichlorofluoromethane	ND	mg/kg	0.0040	1	05/20/15 12:00	05/26/15 15:46	75-43-4	
Ethylbenzene	**0.014**	mg/kg	0.0040	1	05/20/15 12:00	05/26/15 15:46	100-41-4	
Hexachloro-1,3-butadiene	ND	mg/kg	0.010	1	05/20/15 12:00	05/26/15 15:46	87-68-3	
Isopropylbenzene (Cumene)	ND	mg/kg	0.0040	1	05/20/15 12:00	05/26/15 15:46	98-82-8	
Methyl-tert-butyl ether	ND	mg/kg	0.0040	1	05/20/15 12:00	05/26/15 15:46	1634-04-4	
Methylene Chloride	ND	mg/kg	0.020	1	05/20/15 12:00	05/26/15 15:46	75-09-2	
Naphthalene	**0.014**	mg/kg	0.010	1	05/20/15 12:00	05/26/15 15:46	91-20-3	
Styrene	ND	mg/kg	0.0040	1	05/20/15 12:00	05/26/15 15:46	100-42-5	
Tetrachloroethene	ND	mg/kg	0.0040	1	05/20/15 12:00	05/26/15 15:46	127-18-4	
Toluene	**0.010**	mg/kg	0.0040	1	05/20/15 12:00	05/26/15 15:46	108-88-3	
Trichloroethene	ND	mg/kg	0.0040	1	05/20/15 12:00	05/26/15 15:46	79-01-6	
Trichlorofluoromethane	ND	mg/kg	0.010	1	05/20/15 12:00	05/26/15 15:46	75-69-4	
Vinyl chloride	ND	mg/kg	0.0040	1	05/20/15 12:00	05/26/15 15:46	75-01-4	
Xylene (Total)	**0.11**	mg/kg	0.012	1	05/20/15 12:00	05/26/15 15:46	1330-20-7	
cis-1,2-Dichloroethene	ND	mg/kg	0.0040	1	05/20/15 12:00	05/26/15 15:46	156-59-2	
cis-1,3-Dichloropropene	ND	mg/kg	0.0040	1	05/20/15 12:00	05/26/15 15:46	10061-01-5	
m&p-Xylene	**0.071**	mg/kg	0.0081	1	05/20/15 12:00	05/26/15 15:46	179601-23-1	
n-Butylbenzene	**0.0084**	mg/kg	0.0040	1	05/20/15 12:00	05/26/15 15:46	104-51-8	
n-Propylbenzene	**0.015**	mg/kg	0.0040	1	05/20/15 12:00	05/26/15 15:46	103-65-1	
o-Xylene	**0.039**	mg/kg	0.0040	1	05/20/15 12:00	05/26/15 15:46	95-47-6	
p-Isopropyltoluene	**0.0048**	mg/kg	0.0040	1	05/20/15 12:00	05/26/15 15:46	99-87-6	
sec-Butylbenzene	**0.0057**	mg/kg	0.0040	1	05/20/15 12:00	05/26/15 15:46	135-98-8	
tert-Butylbenzene	ND	mg/kg	0.0040	1	05/20/15 12:00	05/26/15 15:46	98-06-6	
trans-1,2-Dichloroethene	ND	mg/kg	0.0040	1	05/20/15 12:00	05/26/15 15:46	156-60-5	
trans-1,3-Dichloropropene	ND	mg/kg	0.0040	1	05/20/15 12:00	05/26/15 15:46	10061-02-6	
Surrogates								
1,2-Dichloroethane-d4 (S)	107	%.	30-150	1	05/20/15 12:00	05/26/15 15:46	17060-07-0	
Toluene-d8 (S)	108	%.	30-150	1	05/20/15 12:00	05/26/15 15:46	2037-26-5	
4-Bromofluorobenzene (S)	125	%.	30-150	1	05/20/15 12:00	05/26/15 15:46	460-00-4	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
1700 Elm Street - Suite 200
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ANALYTICAL RESULTS

Project: 062175-05-01_PCC_Site Investig
Pace Project No.: 10306679

Sample: SO-062175-051415-JS-MW-9-10 **Lab ID: 10306679010** Collected: 05/14/15 12:25 Received: 05/15/15 14:00 Matrix: Solid

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

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6020A MET ICPMS	Analytical Method: EPA 6020A Preparation Method: EPA 3050							
Arsenic	**10.6**	mg/kg	0.62	20	05/27/15 10:19	05/28/15 16:26	7440-38-2	
Barium	**88.8**	mg/kg	0.37	20	05/27/15 10:19	05/28/15 16:26	7440-39-3	
Cadmium	**0.29**	mg/kg	0.099	20	05/27/15 10:19	05/28/15 16:26	7440-43-9	
Chromium	**23.7**	mg/kg	0.62	20	05/27/15 10:19	05/28/15 16:26	7440-47-3	
Lead	**6.1**	mg/kg	0.12	20	05/27/15 10:19	05/28/15 16:26	7439-92-1	
Selenium	**1.2**	mg/kg	0.62	20	05/27/15 10:19	05/28/15 16:26	7782-49-2	
Silver	ND	mg/kg	0.62	20	05/27/15 10:19	05/28/15 16:26	7440-22-4	
7471B Mercury	Analytical Method: EPA 7471B Preparation Method: EPA 7471B							
Mercury	**0.076**	mg/kg	0.029	1	05/27/15 16:29	05/28/15 13:06	7439-97-6	
Dry Weight	Analytical Method: ASTM D2974							
Percent Moisture	**31.8**	%	0.10	1		05/28/15 18:19		
8260B MSV 5035 Low Level	Analytical Method: EPA 8260B Preparation Method: EPA 5035 Low							
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.0058	1	05/20/15 12:00	05/26/15 16:04	630-20-6	
1,1,1-Trichloroethane	ND	mg/kg	0.0058	1	05/20/15 12:00	05/26/15 16:04	71-55-6	
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.0058	1	05/20/15 12:00	05/26/15 16:04	79-34-5	
1,1,2-Trichloroethane	ND	mg/kg	0.0058	1	05/20/15 12:00	05/26/15 16:04	79-00-5	
1,1,2-Trichlorotrifluoroethane	ND	mg/kg	0.0058	1	05/20/15 12:00	05/26/15 16:04	76-13-1	L3
1,1-Dichloroethane	ND	mg/kg	0.0058	1	05/20/15 12:00	05/26/15 16:04	75-34-3	
1,1-Dichloroethene	ND	mg/kg	0.0058	1	05/20/15 12:00	05/26/15 16:04	75-35-4	
1,1-Dichloropropene	ND	mg/kg	0.0058	1	05/20/15 12:00	05/26/15 16:04	563-58-6	
1,2,3-Trichlorobenzene	ND	mg/kg	0.0058	1	05/20/15 12:00	05/26/15 16:04	87-61-6	
1,2,3-Trichloropropane	ND	mg/kg	0.0058	1	05/20/15 12:00	05/26/15 16:04	96-18-4	
1,2,4-Trichlorobenzene	ND	mg/kg	0.0058	1	05/20/15 12:00	05/26/15 16:04	120-82-1	
1,2,4-Trimethylbenzene	ND	mg/kg	0.0058	1	05/20/15 12:00	05/26/15 16:04	95-63-6	
1,2-Dibromo-3-chloropropane	ND	mg/kg	0.014	1	05/20/15 12:00	05/26/15 16:04	96-12-8	
1,2-Dibromoethane (EDB)	ND	mg/kg	0.0058	1	05/20/15 12:00	05/26/15 16:04	106-93-4	
1,2-Dichlorobenzene	ND	mg/kg	0.0058	1	05/20/15 12:00	05/26/15 16:04	95-50-1	
1,2-Dichloroethane	ND	mg/kg	0.0058	1	05/20/15 12:00	05/26/15 16:04	107-06-2	
1,2-Dichloroethene (Total)	ND	mg/kg	0.012	1	05/20/15 12:00	05/26/15 16:04	540-59-0	
1,2-Dichloropropane	ND	mg/kg	0.0058	1	05/20/15 12:00	05/26/15 16:04	78-87-5	
1,3,5-Trimethylbenzene	ND	mg/kg	0.0058	1	05/20/15 12:00	05/26/15 16:04	108-67-8	
1,3-Dichlorobenzene	ND	mg/kg	0.0058	1	05/20/15 12:00	05/26/15 16:04	541-73-1	
1,3-Dichloropropane	ND	mg/kg	0.0058	1	05/20/15 12:00	05/26/15 16:04	142-28-9	
1,4-Dichlorobenzene	ND	mg/kg	0.0058	1	05/20/15 12:00	05/26/15 16:04	106-46-7	
2,2-Dichloropropane	ND	mg/kg	0.014	1	05/20/15 12:00	05/26/15 16:04	594-20-7	
2-Butanone (MEK)	ND	mg/kg	0.029	1	05/20/15 12:00	05/26/15 16:04	78-93-3	
2-Chlorotoluene	ND	mg/kg	0.0058	1	05/20/15 12:00	05/26/15 16:04	95-49-8	
2-Hexanone	ND	mg/kg	0.029	1	05/20/15 12:00	05/26/15 16:04	591-78-6	
4-Chlorotoluene	ND	mg/kg	0.0058	1	05/20/15 12:00	05/26/15 16:04	106-43-4	
4-Methyl-2-pentanone (MIBK)	ND	mg/kg	0.029	1	05/20/15 12:00	05/26/15 16:04	108-10-1	
Acetone	**0.061**	mg/kg	0.029	1	05/20/15 12:00	05/26/15 16:04	67-64-1	
Benzene	ND	mg/kg	0.0058	1	05/20/15 12:00	05/26/15 16:04	71-43-2	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
1700 Elm Street - Suite 200
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ANALYTICAL RESULTS

Project: 062175-05-01_PCC_Site Investig
Pace Project No.: 10306679

Sample: SO-062175-051415-JS-MW-9-10 **Lab ID: 10306679010** Collected: 05/14/15 12:25 Received: 05/15/15 14:00 Matrix: Solid

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

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV 5035 Low Level	Analytical Method: EPA 8260B Preparation Method: EPA 5035 Low							
Bromobenzene	ND	mg/kg	0.0058	1	05/20/15 12:00	05/26/15 16:04	108-86-1	
Bromochloromethane	ND	mg/kg	0.0058	1	05/20/15 12:00	05/26/15 16:04	74-97-5	
Bromodichloromethane	ND	mg/kg	0.0058	1	05/20/15 12:00	05/26/15 16:04	75-27-4	
Bromoform	ND	mg/kg	0.029	1	05/20/15 12:00	05/26/15 16:04	75-25-2	
Bromomethane	ND	mg/kg	0.029	1	05/20/15 12:00	05/26/15 16:04	74-83-9	
Carbon disulfide	ND	mg/kg	0.0058	1	05/20/15 12:00	05/26/15 16:04	75-15-0	
Carbon tetrachloride	ND	mg/kg	0.0058	1	05/20/15 12:00	05/26/15 16:04	56-23-5	
Chlorobenzene	ND	mg/kg	0.0058	1	05/20/15 12:00	05/26/15 16:04	108-90-7	
Chloroethane	ND	mg/kg	0.014	1	05/20/15 12:00	05/26/15 16:04	75-00-3	
Chloroform	ND	mg/kg	0.0058	1	05/20/15 12:00	05/26/15 16:04	67-66-3	
Chloromethane	ND	mg/kg	0.014	1	05/20/15 12:00	05/26/15 16:04	74-87-3	
Dibromochloromethane	ND	mg/kg	0.0058	1	05/20/15 12:00	05/26/15 16:04	124-48-1	
Dibromomethane	ND	mg/kg	0.0058	1	05/20/15 12:00	05/26/15 16:04	74-95-3	
Dichlorodifluoromethane	ND	mg/kg	0.014	1	05/20/15 12:00	05/26/15 16:04	75-71-8	L3
Dichlorofluoromethane	ND	mg/kg	0.0058	1	05/20/15 12:00	05/26/15 16:04	75-43-4	
Ethylbenzene	ND	mg/kg	0.0058	1	05/20/15 12:00	05/26/15 16:04	100-41-4	
Hexachloro-1,3-butadiene	ND	mg/kg	0.014	1	05/20/15 12:00	05/26/15 16:04	87-68-3	
Isopropylbenzene (Cumene)	ND	mg/kg	0.0058	1	05/20/15 12:00	05/26/15 16:04	98-82-8	
Methyl-tert-butyl ether	ND	mg/kg	0.0058	1	05/20/15 12:00	05/26/15 16:04	1634-04-4	
Methylene Chloride	ND	mg/kg	0.029	1	05/20/15 12:00	05/26/15 16:04	75-09-2	
Naphthalene	ND	mg/kg	0.014	1	05/20/15 12:00	05/26/15 16:04	91-20-3	
Styrene	ND	mg/kg	0.0058	1	05/20/15 12:00	05/26/15 16:04	100-42-5	
Tetrachloroethene	ND	mg/kg	0.0058	1	05/20/15 12:00	05/26/15 16:04	127-18-4	
Toluene	ND	mg/kg	0.0058	1	05/20/15 12:00	05/26/15 16:04	108-88-3	
Trichloroethene	ND	mg/kg	0.0058	1	05/20/15 12:00	05/26/15 16:04	79-01-6	
Trichlorofluoromethane	ND	mg/kg	0.014	1	05/20/15 12:00	05/26/15 16:04	75-69-4	
Vinyl chloride	ND	mg/kg	0.0058	1	05/20/15 12:00	05/26/15 16:04	75-01-4	
Xylene (Total)	ND	mg/kg	0.017	1	05/20/15 12:00	05/26/15 16:04	1330-20-7	
cis-1,2-Dichloroethene	ND	mg/kg	0.0058	1	05/20/15 12:00	05/26/15 16:04	156-59-2	
cis-1,3-Dichloropropene	ND	mg/kg	0.0058	1	05/20/15 12:00	05/26/15 16:04	10061-01-5	
m&p-Xylene	ND	mg/kg	0.012	1	05/20/15 12:00	05/26/15 16:04	179601-23-1	
n-Butylbenzene	ND	mg/kg	0.0058	1	05/20/15 12:00	05/26/15 16:04	104-51-8	
n-Propylbenzene	ND	mg/kg	0.0058	1	05/20/15 12:00	05/26/15 16:04	103-65-1	
o-Xylene	ND	mg/kg	0.0058	1	05/20/15 12:00	05/26/15 16:04	95-47-6	
p-Isopropyltoluene	ND	mg/kg	0.0058	1	05/20/15 12:00	05/26/15 16:04	99-87-6	
sec-Butylbenzene	ND	mg/kg	0.0058	1	05/20/15 12:00	05/26/15 16:04	135-98-8	
tert-Butylbenzene	ND	mg/kg	0.0058	1	05/20/15 12:00	05/26/15 16:04	98-06-6	
trans-1,2-Dichloroethene	ND	mg/kg	0.0058	1	05/20/15 12:00	05/26/15 16:04	156-60-5	
trans-1,3-Dichloropropene	ND	mg/kg	0.0058	1	05/20/15 12:00	05/26/15 16:04	10061-02-6	
Surrogates								
1,2-Dichloroethane-d4 (S)	99	%.	30-150	1	05/20/15 12:00	05/26/15 16:04	17060-07-0	
Toluene-d8 (S)	104	%.	30-150	1	05/20/15 12:00	05/26/15 16:04	2037-26-5	
4-Bromofluorobenzene (S)	105	%.	30-150	1	05/20/15 12:00	05/26/15 16:04	460-00-4	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 062175-05-01_PCC_Site Investig
Pace Project No.: 10306679

Sample: SO-062175-051415-JS-MW-9-15 **Lab ID: 10306679011** Collected: 05/14/15 12:30 Received: 05/15/15 14:00 Matrix: Solid

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

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6020A MET ICPMS	Analytical Method: EPA 6020A Preparation Method: EPA 3050							
Arsenic	**2.4**	mg/kg	0.67	20	05/27/15 10:19	05/28/15 16:30	7440-38-2	
Barium	**46.3**	mg/kg	0.40	20	05/27/15 10:19	05/28/15 16:30	7440-39-3	
Cadmium	ND	mg/kg	0.11	20	05/27/15 10:19	05/28/15 16:30	7440-43-9	
Chromium	**11.9**	mg/kg	0.67	20	05/27/15 10:19	05/28/15 16:30	7440-47-3	
Lead	**2.0**	mg/kg	0.13	20	05/27/15 10:19	05/28/15 16:30	7439-92-1	
Selenium	ND	mg/kg	0.67	20	05/27/15 10:19	05/28/15 16:30	7782-49-2	
Silver	ND	mg/kg	0.67	20	05/27/15 10:19	05/28/15 16:30	7440-22-4	
7471B Mercury	Analytical Method: EPA 7471B Preparation Method: EPA 7471B							
Mercury	**0.029**	mg/kg	0.025	1	05/27/15 16:29	05/28/15 13:08	7439-97-6	
Dry Weight	Analytical Method: ASTM D2974							
Percent Moisture	**28.4**	%	0.10	1		05/28/15 18:20		
8260B MSV 5035 Low Level	Analytical Method: EPA 8260B Preparation Method: EPA 5035 Low							
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.0048	1	05/20/15 12:00	05/26/15 16:23	630-20-6	
1,1,1-Trichloroethane	ND	mg/kg	0.0048	1	05/20/15 12:00	05/26/15 16:23	71-55-6	
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.0048	1	05/20/15 12:00	05/26/15 16:23	79-34-5	
1,1,2-Trichloroethane	ND	mg/kg	0.0048	1	05/20/15 12:00	05/26/15 16:23	79-00-5	
1,1,2-Trichlorotrifluoroethane	ND	mg/kg	0.0048	1	05/20/15 12:00	05/26/15 16:23	76-13-1	L3
1,1-Dichloroethane	ND	mg/kg	0.0048	1	05/20/15 12:00	05/26/15 16:23	75-34-3	
1,1-Dichloroethene	ND	mg/kg	0.0048	1	05/20/15 12:00	05/26/15 16:23	75-35-4	
1,1-Dichloropropene	ND	mg/kg	0.0048	1	05/20/15 12:00	05/26/15 16:23	563-58-6	
1,2,3-Trichlorobenzene	ND	mg/kg	0.0048	1	05/20/15 12:00	05/26/15 16:23	87-61-6	
1,2,3-Trichloropropane	ND	mg/kg	0.0048	1	05/20/15 12:00	05/26/15 16:23	96-18-4	
1,2,4-Trichlorobenzene	ND	mg/kg	0.0048	1	05/20/15 12:00	05/26/15 16:23	120-82-1	
1,2,4-Trimethylbenzene	ND	mg/kg	0.0048	1	05/20/15 12:00	05/26/15 16:23	95-63-6	
1,2-Dibromo-3-chloropropane	ND	mg/kg	0.012	1	05/20/15 12:00	05/26/15 16:23	96-12-8	
1,2-Dibromoethane (EDB)	ND	mg/kg	0.0048	1	05/20/15 12:00	05/26/15 16:23	106-93-4	
1,2-Dichlorobenzene	ND	mg/kg	0.0048	1	05/20/15 12:00	05/26/15 16:23	95-50-1	
1,2-Dichloroethane	ND	mg/kg	0.0048	1	05/20/15 12:00	05/26/15 16:23	107-06-2	
1,2-Dichloroethene (Total)	ND	mg/kg	0.0096	1	05/20/15 12:00	05/26/15 16:23	540-59-0	
1,2-Dichloropropane	ND	mg/kg	0.0048	1	05/20/15 12:00	05/26/15 16:23	78-87-5	
1,3,5-Trimethylbenzene	ND	mg/kg	0.0048	1	05/20/15 12:00	05/26/15 16:23	108-67-8	
1,3-Dichlorobenzene	ND	mg/kg	0.0048	1	05/20/15 12:00	05/26/15 16:23	541-73-1	
1,3-Dichloropropane	ND	mg/kg	0.0048	1	05/20/15 12:00	05/26/15 16:23	142-28-9	
1,4-Dichlorobenzene	ND	mg/kg	0.0048	1	05/20/15 12:00	05/26/15 16:23	106-46-7	
2,2-Dichloropropane	ND	mg/kg	0.012	1	05/20/15 12:00	05/26/15 16:23	594-20-7	
2-Butanone (MEK)	ND	mg/kg	0.024	1	05/20/15 12:00	05/26/15 16:23	78-93-3	
2-Chlorotoluene	ND	mg/kg	0.0048	1	05/20/15 12:00	05/26/15 16:23	95-49-8	
2-Hexanone	ND	mg/kg	0.024	1	05/20/15 12:00	05/26/15 16:23	591-78-6	
4-Chlorotoluene	ND	mg/kg	0.0048	1	05/20/15 12:00	05/26/15 16:23	106-43-4	
4-Methyl-2-pentanone (MIBK)	ND	mg/kg	0.024	1	05/20/15 12:00	05/26/15 16:23	108-10-1	
Acetone	ND	mg/kg	0.024	1	05/20/15 12:00	05/26/15 16:23	67-64-1	
Benzene	ND	mg/kg	0.0048	1	05/20/15 12:00	05/26/15 16:23	71-43-2	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
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ANALYTICAL RESULTS

Project: 062175-05-01_PCC_Site Investig
Pace Project No.: 10306679

Sample: SO-062175-051415-JS-MW-9-15 **Lab ID: 10306679011** Collected: 05/14/15 12:30 Received: 05/15/15 14:00 Matrix: Solid

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

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV 5035 Low Level	Analytical Method: EPA 8260B Preparation Method: EPA 5035 Low							
Bromobenzene	ND	mg/kg	0.0048	1	05/20/15 12:00	05/26/15 16:23	108-86-1	
Bromochloromethane	ND	mg/kg	0.0048	1	05/20/15 12:00	05/26/15 16:23	74-97-5	
Bromodichloromethane	ND	mg/kg	0.0048	1	05/20/15 12:00	05/26/15 16:23	75-27-4	
Bromoform	ND	mg/kg	0.024	1	05/20/15 12:00	05/26/15 16:23	75-25-2	
Bromomethane	ND	mg/kg	0.024	1	05/20/15 12:00	05/26/15 16:23	74-83-9	
Carbon disulfide	ND	mg/kg	0.0048	1	05/20/15 12:00	05/26/15 16:23	75-15-0	
Carbon tetrachloride	ND	mg/kg	0.0048	1	05/20/15 12:00	05/26/15 16:23	56-23-5	
Chlorobenzene	ND	mg/kg	0.0048	1	05/20/15 12:00	05/26/15 16:23	108-90-7	
Chloroethane	ND	mg/kg	0.012	1	05/20/15 12:00	05/26/15 16:23	75-00-3	
Chloroform	ND	mg/kg	0.0048	1	05/20/15 12:00	05/26/15 16:23	67-66-3	
Chloromethane	ND	mg/kg	0.012	1	05/20/15 12:00	05/26/15 16:23	74-87-3	
Dibromochloromethane	ND	mg/kg	0.0048	1	05/20/15 12:00	05/26/15 16:23	124-48-1	
Dibromomethane	ND	mg/kg	0.0048	1	05/20/15 12:00	05/26/15 16:23	74-95-3	
Dichlorodifluoromethane	ND	mg/kg	0.012	1	05/20/15 12:00	05/26/15 16:23	75-71-8	L3
Dichlorofluoromethane	ND	mg/kg	0.0048	1	05/20/15 12:00	05/26/15 16:23	75-43-4	
Ethylbenzene	ND	mg/kg	0.0048	1	05/20/15 12:00	05/26/15 16:23	100-41-4	
Hexachloro-1,3-butadiene	ND	mg/kg	0.012	1	05/20/15 12:00	05/26/15 16:23	87-68-3	
Isopropylbenzene (Cumene)	ND	mg/kg	0.0048	1	05/20/15 12:00	05/26/15 16:23	98-82-8	
Methyl-tert-butyl ether	ND	mg/kg	0.0048	1	05/20/15 12:00	05/26/15 16:23	1634-04-4	
Methylene Chloride	ND	mg/kg	0.024	1	05/20/15 12:00	05/26/15 16:23	75-09-2	
Naphthalene	ND	mg/kg	0.012	1	05/20/15 12:00	05/26/15 16:23	91-20-3	
Styrene	ND	mg/kg	0.0048	1	05/20/15 12:00	05/26/15 16:23	100-42-5	
Tetrachloroethene	ND	mg/kg	0.0048	1	05/20/15 12:00	05/26/15 16:23	127-18-4	
Toluene	ND	mg/kg	0.0048	1	05/20/15 12:00	05/26/15 16:23	108-88-3	
Trichloroethene	ND	mg/kg	0.0048	1	05/20/15 12:00	05/26/15 16:23	79-01-6	
Trichlorofluoromethane	ND	mg/kg	0.012	1	05/20/15 12:00	05/26/15 16:23	75-69-4	
Vinyl chloride	ND	mg/kg	0.0048	1	05/20/15 12:00	05/26/15 16:23	75-01-4	
Xylene (Total)	ND	mg/kg	0.014	1	05/20/15 12:00	05/26/15 16:23	1330-20-7	
cis-1,2-Dichloroethene	ND	mg/kg	0.0048	1	05/20/15 12:00	05/26/15 16:23	156-59-2	
cis-1,3-Dichloropropene	ND	mg/kg	0.0048	1	05/20/15 12:00	05/26/15 16:23	10061-01-5	
m&p-Xylene	ND	mg/kg	0.0096	1	05/20/15 12:00	05/26/15 16:23	179601-23-1	
n-Butylbenzene	ND	mg/kg	0.0048	1	05/20/15 12:00	05/26/15 16:23	104-51-8	
n-Propylbenzene	ND	mg/kg	0.0048	1	05/20/15 12:00	05/26/15 16:23	103-65-1	
o-Xylene	ND	mg/kg	0.0048	1	05/20/15 12:00	05/26/15 16:23	95-47-6	
p-Isopropyltoluene	ND	mg/kg	0.0048	1	05/20/15 12:00	05/26/15 16:23	99-87-6	
sec-Butylbenzene	ND	mg/kg	0.0048	1	05/20/15 12:00	05/26/15 16:23	135-98-8	
tert-Butylbenzene	ND	mg/kg	0.0048	1	05/20/15 12:00	05/26/15 16:23	98-06-6	
trans-1,2-Dichloroethene	ND	mg/kg	0.0048	1	05/20/15 12:00	05/26/15 16:23	156-60-5	
trans-1,3-Dichloropropene	ND	mg/kg	0.0048	1	05/20/15 12:00	05/26/15 16:23	10061-02-6	
Surrogates								
1,2-Dichloroethane-d4 (S)	104	%.	30-150	1	05/20/15 12:00	05/26/15 16:23	17060-07-0	
Toluene-d8 (S)	102	%.	30-150	1	05/20/15 12:00	05/26/15 16:23	2037-26-5	
4-Bromofluorobenzene (S)	108	%.	30-150	1	05/20/15 12:00	05/26/15 16:23	460-00-4	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
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(612)607-1700

QUALITY CONTROL DATA

Project: 062175-05-01_PCC_Site Investig
Pace Project No.: 10306679

QC Batch: MERP/13660 Analysis Method: EPA 7471B
QC Batch Method: EPA 7471B Analysis Description: 7471B Mercury Solids
Associated Lab Samples: 10306679001, 10306679002, 10306679003, 10306679004, 10306679005, 10306679006, 10306679007, 10306679008, 10306679009, 10306679010, 10306679011

METHOD BLANK: 1976698 Matrix: Solid
Associated Lab Samples: 10306679001, 10306679002, 10306679003, 10306679004, 10306679005, 10306679006, 10306679007, 10306679008, 10306679009, 10306679010, 10306679011

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury	mg/kg	ND	0.019	05/28/15 12:35	

LABORATORY CONTROL SAMPLE: 1976699

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	mg/kg	.47	0.47	100	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1976700 1976701

Parameter	Units	10306679001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	mg/kg	0.050	.58	.6	0.57	0.61	89	94	75-125	7	20	

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REPORT OF LABORATORY ANALYSIS

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Minneapolis, MN 55414
(612)607-1700

QUALITY CONTROL DATA

Project: 062175-05-01_PCC_Site Investig
Pace Project No.: 10306679

QC Batch: MPRP/54645 Analysis Method: EPA 6020A
QC Batch Method: EPA 3050 Analysis Description: 6020A Solids UPD4
Associated Lab Samples: 10306679001, 10306679002, 10306679003, 10306679004, 10306679005, 10306679006, 10306679007, 10306679008, 10306679009, 10306679010, 10306679011

METHOD BLANK: 1975288 Matrix: Solid
Associated Lab Samples: 10306679001, 10306679002, 10306679003, 10306679004, 10306679005, 10306679006, 10306679007, 10306679008, 10306679009, 10306679010, 10306679011

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Arsenic	mg/kg	ND	0.50	05/28/15 15:05	
Barium	mg/kg	ND	0.30	05/28/15 15:05	
Cadmium	mg/kg	ND	0.079	05/28/15 15:05	
Chromium	mg/kg	ND	0.50	05/28/15 15:05	
Lead	mg/kg	ND	0.099	05/28/15 15:05	
Selenium	mg/kg	ND	0.50	05/28/15 15:05	
Silver	mg/kg	ND	0.50	05/28/15 15:05	

LABORATORY CONTROL SAMPLE: 1975289

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Arsenic	mg/kg	19.4	17.8	92	80-120	
Barium	mg/kg	19.4	18.5	96	80-120	
Cadmium	mg/kg	19.4	18.6	96	80-120	
Chromium	mg/kg	19.4	19.2	99	80-120	
Lead	mg/kg	19.4	18.5	95	80-120	
Selenium	mg/kg	19.4	18.3	94	80-120	
Silver	mg/kg	19.4	18.4	95	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1975290 1975291

Parameter	Units	10306679001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Arsenic	mg/kg	3.3	20.2	22	25.6	25.4	110	101	75-125	1	20	
Barium	mg/kg	45.8	20.2	22	74.0	68.5	140	103	75-125	8	20	M6
Cadmium	mg/kg	ND	20.2	22	22.9	22.7	113	103	75-125	1	20	
Chromium	mg/kg	13.2	20.2	22	37.8	36.7	122	107	75-125	3	20	
Lead	mg/kg	2.4	20.2	22	24.6	24.7	110	101	75-125	0	20	
Selenium	mg/kg	ND	20.2	22	21.5	22.1	103	98	75-125	3	20	
Silver	mg/kg	ND	20.2	22	21.9	22.3	108	102	75-125	2	20	

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

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
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(612)607-1700

QUALITY CONTROL DATA

Project: 062175-05-01_PCC_Site Investig
Pace Project No.: 10306679

QC Batch: MPRP/54736 Analysis Method: ASTM D2974
QC Batch Method: ASTM D2974 Analysis Description: Dry Weight/Percent Moisture
Associated Lab Samples: 10306679001, 10306679002, 10306679003, 10306679004, 10306679005, 10306679006, 10306679007, 10306679008, 10306679009

SAMPLE DUPLICATE: 1978723

Parameter	Units	10306457001 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	16.2	15.5	4	30	

SAMPLE DUPLICATE: 1978724

Parameter	Units	10306679009 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	13.9	12.5	11	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

Pace Analytical Services, Inc.
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(612)607-1700

QUALITY CONTROL DATA

Project: 062175-05-01_PCC_Site Investig
Pace Project No.: 10306679

QC Batch: MPRP/54737
QC Batch Method: ASTM D2974
Analysis Method: ASTM D2974
Analysis Description: Dry Weight/Percent Moisture
Associated Lab Samples: 10306679010, 10306679011

SAMPLE DUPLICATE: 1978725

Parameter	Units	10306679010 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	31.8	32.8	3	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

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QUALITY CONTROL DATA

Project: 062175-05-01_PCC_Site Investig
Pace Project No.: 10306679

QC Batch: MSV/31471 Analysis Method: EPA 8260B
QC Batch Method: EPA 5035 Low Analysis Description: 8260B MSV 5035 Low Level
Associated Lab Samples: 10306679001, 10306679002, 10306679003, 10306679004, 10306679005, 10306679006, 10306679007, 10306679008, 10306679009, 10306679010, 10306679011

METHOD BLANK: 1969016 Matrix: Solid
Associated Lab Samples: 10306679001, 10306679002, 10306679003, 10306679004, 10306679005, 10306679006, 10306679007, 10306679008, 10306679009, 10306679010, 10306679011

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	mg/kg	ND	0.0040	05/22/15 12:02	
1,1,1-Trichloroethane	mg/kg	ND	0.0040	05/22/15 12:02	
1,1,2,2-Tetrachloroethane	mg/kg	ND	0.0040	05/22/15 12:02	
1,1,2-Trichloroethane	mg/kg	ND	0.0040	05/22/15 12:02	
1,1,2-Trichlorotrifluoroethane	mg/kg	ND	0.0040	05/22/15 12:02	
1,1-Dichloroethane	mg/kg	ND	0.0040	05/22/15 12:02	
1,1-Dichloroethene	mg/kg	ND	0.0040	05/22/15 12:02	
1,1-Dichloropropene	mg/kg	ND	0.0040	05/22/15 12:02	
1,2,3-Trichlorobenzene	mg/kg	ND	0.0040	05/22/15 12:02	
1,2,3-Trichloropropane	mg/kg	ND	0.0040	05/22/15 12:02	
1,2,4-Trichlorobenzene	mg/kg	ND	0.0040	05/22/15 12:02	
1,2,4-Trimethylbenzene	mg/kg	ND	0.0040	05/22/15 12:02	
1,2-Dibromo-3-chloropropane	mg/kg	ND	0.010	05/22/15 12:02	
1,2-Dibromoethane (EDB)	mg/kg	ND	0.0040	05/22/15 12:02	
1,2-Dichlorobenzene	mg/kg	ND	0.0040	05/22/15 12:02	
1,2-Dichloroethane	mg/kg	ND	0.0040	05/22/15 12:02	
1,2-Dichloroethene (Total)	mg/kg	ND	0.0080	05/22/15 12:02	
1,2-Dichloropropane	mg/kg	ND	0.0040	05/22/15 12:02	
1,3,5-Trimethylbenzene	mg/kg	ND	0.0040	05/22/15 12:02	
1,3-Dichlorobenzene	mg/kg	ND	0.0040	05/22/15 12:02	
1,3-Dichloropropane	mg/kg	ND	0.0040	05/22/15 12:02	
1,4-Dichlorobenzene	mg/kg	ND	0.0040	05/22/15 12:02	
2,2-Dichloropropane	mg/kg	ND	0.010	05/22/15 12:02	
2-Butanone (MEK)	mg/kg	ND	0.020	05/22/15 12:02	
2-Chlorotoluene	mg/kg	ND	0.0040	05/22/15 12:02	
2-Hexanone	mg/kg	ND	0.020	05/22/15 12:02	
4-Chlorotoluene	mg/kg	ND	0.0040	05/22/15 12:02	
4-Methyl-2-pentanone (MIBK)	mg/kg	ND	0.020	05/22/15 12:02	
Acetone	mg/kg	ND	0.020	05/22/15 12:02	
Benzene	mg/kg	ND	0.0040	05/22/15 12:02	
Bromobenzene	mg/kg	ND	0.0040	05/22/15 12:02	
Bromochloromethane	mg/kg	ND	0.0040	05/22/15 12:02	
Bromodichloromethane	mg/kg	ND	0.0040	05/22/15 12:02	
Bromoform	mg/kg	ND	0.020	05/22/15 12:02	
Bromomethane	mg/kg	ND	0.020	05/22/15 12:02	
Carbon disulfide	mg/kg	ND	0.0040	05/22/15 12:02	
Carbon tetrachloride	mg/kg	ND	0.0040	05/22/15 12:02	
Chlorobenzene	mg/kg	ND	0.0040	05/22/15 12:02	
Chloroethane	mg/kg	ND	0.010	05/22/15 12:02	
Chloroform	mg/kg	ND	0.0040	05/22/15 12:02	

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

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

QUALITY CONTROL DATA

Project: 062175-05-01_PCC_Site Investig
Pace Project No.: 10306679

METHOD BLANK: 1969016 Matrix: Solid

Associated Lab Samples: 10306679001, 10306679002, 10306679003, 10306679004, 10306679005, 10306679006, 10306679007, 10306679008, 10306679009, 10306679010, 10306679011

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Chloromethane	mg/kg	ND	0.010	05/22/15 12:02	
cis-1,2-Dichloroethene	mg/kg	ND	0.0040	05/22/15 12:02	
cis-1,3-Dichloropropene	mg/kg	ND	0.0040	05/22/15 12:02	
Dibromochloromethane	mg/kg	ND	0.0040	05/22/15 12:02	
Dibromomethane	mg/kg	ND	0.0040	05/22/15 12:02	
Dichlorodifluoromethane	mg/kg	ND	0.010	05/22/15 12:02	
Dichlorofluoromethane	mg/kg	ND	0.0040	05/22/15 12:02	
Ethylbenzene	mg/kg	ND	0.0040	05/22/15 12:02	
Hexachloro-1,3-butadiene	mg/kg	ND	0.010	05/22/15 12:02	
Isopropylbenzene (Cumene)	mg/kg	ND	0.0040	05/22/15 12:02	
m&p-Xylene	mg/kg	ND	0.0080	05/22/15 12:02	
Methyl-tert-butyl ether	mg/kg	ND	0.0040	05/22/15 12:02	
Methylene Chloride	mg/kg	ND	0.020	05/22/15 12:02	
n-Butylbenzene	mg/kg	ND	0.0040	05/22/15 12:02	
n-Propylbenzene	mg/kg	ND	0.0040	05/22/15 12:02	
Naphthalene	mg/kg	ND	0.010	05/22/15 12:02	
o-Xylene	mg/kg	ND	0.0040	05/22/15 12:02	
p-Isopropyltoluene	mg/kg	ND	0.0040	05/22/15 12:02	
sec-Butylbenzene	mg/kg	ND	0.0040	05/22/15 12:02	
Styrene	mg/kg	ND	0.0040	05/22/15 12:02	
tert-Butylbenzene	mg/kg	ND	0.0040	05/22/15 12:02	
Tetrachloroethene	mg/kg	ND	0.0040	05/22/15 12:02	
Toluene	mg/kg	ND	0.0040	05/22/15 12:02	
trans-1,2-Dichloroethene	mg/kg	ND	0.0040	05/22/15 12:02	
trans-1,3-Dichloropropene	mg/kg	ND	0.0040	05/22/15 12:02	
Trichloroethene	mg/kg	ND	0.0040	05/22/15 12:02	
Trichlorofluoromethane	mg/kg	ND	0.010	05/22/15 12:02	
Vinyl chloride	mg/kg	ND	0.0040	05/22/15 12:02	
Xylene (Total)	mg/kg	ND	0.012	05/22/15 12:02	
1,2-Dichloroethane-d4 (S)	%.	89	30-150	05/22/15 12:02	
4-Bromofluorobenzene (S)	%.	111	30-150	05/22/15 12:02	
Toluene-d8 (S)	%.	104	30-150	05/22/15 12:02	

LABORATORY CONTROL SAMPLE & LCSD: 1969017 1969018

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
1,1,1,2-Tetrachloroethane	mg/kg	.05	0.048	0.046	97	92	75-125	5	20	
1,1,1-Trichloroethane	mg/kg	.05	0.051	0.049	102	97	67-125	5	20	
1,1,2,2-Tetrachloroethane	mg/kg	.05	0.045	0.045	90	90	70-125	1	20	
1,1,2-Trichloroethane	mg/kg	.05	0.048	0.048	97	96	75-125	1	20	
1,1,2-Trichlorotrifluoroethane	mg/kg	.05	0.12	0.11	233	221	59-127	5	20	CH,L0
1,1-Dichloroethane	mg/kg	.05	0.050	0.048	100	95	62-128	5	20	
1,1-Dichloroethene	mg/kg	.05	0.052	0.049	105	99	60-132	6	20	

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REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: 062175-05-01_PCC_Site Investig
Pace Project No.: 10306679

LABORATORY CONTROL SAMPLE & LCSD: 1969017 1969018

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
1,1-Dichloropropene	mg/kg	.05	0.053	0.050	106	100	63-126	6	20	
1,2,3-Trichlorobenzene	mg/kg	.05	0.052	0.052	103	104	58-125	0	20	
1,2,3-Trichloropropane	mg/kg	.05	0.046	0.048	92	97	72-125	5	20	
1,2,4-Trichlorobenzene	mg/kg	.05	0.056	0.056	112	112	61-125	1	20	
1,2,4-Trimethylbenzene	mg/kg	.05	0.053	0.051	106	101	73-125	5	20	
1,2-Dibromo-3-chloropropane	mg/kg	.12	0.11	0.12	90	95	58-126	5	20	
1,2-Dibromoethane (EDB)	mg/kg	.05	0.048	0.048	95	96	74-125	1	20	
1,2-Dichlorobenzene	mg/kg	.05	0.050	0.049	100	98	74-125	2	20	
1,2-Dichloroethane	mg/kg	.05	0.047	0.048	94	95	69-125	1	20	
1,2-Dichloroethene (Total)	mg/kg	.1	0.098	0.095	98	95	73-125	4	20	
1,2-Dichloropropane	mg/kg	.05	0.048	0.046	96	92	69-125	4	20	
1,3,5-Trimethylbenzene	mg/kg	.05	0.053	0.050	106	100	70-125	5	20	
1,3-Dichlorobenzene	mg/kg	.05	0.051	0.048	102	97	74-125	5	20	
1,3-Dichloropropane	mg/kg	.05	0.047	0.046	94	92	75-125	2	20	
1,4-Dichlorobenzene	mg/kg	.05	0.050	0.048	101	96	72-125	5	20	
2,2-Dichloropropane	mg/kg	.05	0.051	0.048	102	96	56-131	6	20	
2-Butanone (MEK)	mg/kg	.25	0.21	0.22	83	87	46-133	5	20	
2-Chlorotoluene	mg/kg	.05	0.053	0.050	105	99	71-125	6	20	
2-Hexanone	mg/kg	.25	0.22	0.23	88	93	62-125	6	20	
4-Chlorotoluene	mg/kg	.05	0.054	0.051	107	101	73-125	6	20	
4-Methyl-2-pentanone (MIBK)	mg/kg	.25	0.23	0.23	91	92	57-125	2	20	
Acetone	mg/kg	.25	0.22	0.21	90	85	64-130	5	20	
Benzene	mg/kg	.05	0.049	0.047	98	94	66-125	4	20	
Bromobenzene	mg/kg	.05	0.050	0.048	99	97	71-125	3	20	
Bromochloromethane	mg/kg	.05	0.046	0.047	92	94	71-125	3	20	
Bromodichloromethane	mg/kg	.05	0.047	0.046	95	93	74-125	2	20	
Bromoform	mg/kg	.05	0.045	0.046	89	92	73-125	3	20	
Bromomethane	mg/kg	.05	0.051	0.050	101	100	58-150	2	20	
Carbon disulfide	mg/kg	.05	0.050	0.046	99	92	62-128	7	20	
Carbon tetrachloride	mg/kg	.05	0.051	0.049	103	98	66-125	5	20	
Chlorobenzene	mg/kg	.05	0.050	0.047	99	94	75-125	5	20	
Chloroethane	mg/kg	.05	0.070	0.055	140	110	59-144	24	20	R1
Chloroform	mg/kg	.05	0.047	0.046	95	92	71-125	3	20	
Chloromethane	mg/kg	.05	0.050	0.048	99	96	48-140	3	20	
cis-1,2-Dichloroethene	mg/kg	.05	0.048	0.048	95	95	72-125	0	20	
cis-1,3-Dichloropropene	mg/kg	.05	0.050	0.049	100	98	66-127	1	20	
Dibromochloromethane	mg/kg	.05	0.049	0.047	97	94	75-125	3	20	
Dibromomethane	mg/kg	.05	0.046	0.046	92	92	71-125	0	20	
Dichlorodifluoromethane	mg/kg	.05	0.078	0.12	155	242	30-139	44	20	CH,L0,R1
Dichlorofluoromethane	mg/kg	.05	0.055	0.050	110	100	30-150	9	20	
Ethylbenzene	mg/kg	.05	0.052	0.048	104	96	68-125	8	20	
Hexachloro-1,3-butadiene	mg/kg	.05	0.054	0.050	107	101	57-128	6	20	
Isopropylbenzene (Cumene)	mg/kg	.05	0.053	0.049	106	99	70-125	7	20	
m&p-Xylene	mg/kg	.1	0.11	0.10	111	104	69-125	7	20	
Methyl-tert-butyl ether	mg/kg	.05	0.047	0.049	94	98	65-125	3	20	
Methylene Chloride	mg/kg	.05	0.046	0.045	92	91	67-125	1	20	
n-Butylbenzene	mg/kg	.05	0.059	0.054	117	108	68-125	8	20	

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REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: 062175-05-01_PCC_Site Investig
Pace Project No.: 10306679

LABORATORY CONTROL SAMPLE & LCSD: 1969017 1969018

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
n-Propylbenzene	mg/kg	.05	0.055	0.052	110	103	70-125	7	20	
Naphthalene	mg/kg	.05	0.041	0.046	82	91	58-125	11	20	
o-Xylene	mg/kg	.05	0.053	0.050	106	101	73-125	5	20	
p-Isopropyltoluene	mg/kg	.05	0.056	0.052	112	104	70-125	7	20	
sec-Butylbenzene	mg/kg	.05	0.054	0.051	109	102	69-125	6	20	
Styrene	mg/kg	.05	0.053	0.050	105	100	72-125	5	20	
tert-Butylbenzene	mg/kg	.05	0.052	0.049	105	98	70-125	7	20	
Tetrachloroethene	mg/kg	.05	0.055	0.050	110	99	73-125	10	20	
Toluene	mg/kg	.05	0.050	0.046	100	92	68-125	7	20	
trans-1,2-Dichloroethene	mg/kg	.05	0.051	0.047	101	94	72-125	7	20	
trans-1,3-Dichloropropene	mg/kg	.05	0.050	0.049	101	98	74-125	3	20	
Trichloroethene	mg/kg	.05	0.050	0.046	100	92	75-125	8	20	
Trichlorofluoromethane	mg/kg	.05	0.065	0.062	129	124	55-140	4	20	
Vinyl chloride	mg/kg	.05	0.059	0.056	117	113	56-130	4	20	
Xylene (Total)	mg/kg	.15	0.16	0.15	109	103	71-125	6	20	
1,2-Dichloroethane-d4 (S)	%.				97	99	30-150			
4-Bromofluorobenzene (S)	%.				97	98	30-150			
Toluene-d8 (S)	%.				102	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

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

QUALIFIERS

Project: 062175-05-01_PCC_Site Investig
Pace Project No.: 10306679

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.

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

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit.

S - Surrogate

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

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

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

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

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

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

TNI - The NELAC Institute.

LABORATORIES

PASI-M	Pace Analytical Services - Minneapolis

BATCH QUALIFIERS

Batch: MSV/31556

[M5]	A matrix spike/matrix spike duplicate was not performed for this batch due to insufficient sample volume.

Batch: MSV/31559

[M5]	A matrix spike/matrix spike duplicate was not performed for this batch due to insufficient sample volume.

ANALYTE QUALIFIERS

CH	The continuing calibration for this compound is outside of Pace Analytical acceptance limits. The results may be biased high.
L0	Analyte recovery in the laboratory control sample (LCS) was outside QC limits.
L3	Analyte recovery in the laboratory control sample (LCS) exceeded QC limits. Analyte presence below reporting limits in associated samples. Results unaffected by high bias.
M6	Matrix spike and Matrix spike duplicate recovery not evaluated against control limits due to sample dilution.
R1	RPD value was outside control limits.

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

METHOD CROSS REFERENCE TABLE

Project: 062175-05-01_PCC_Site Investig
Pace Project No.: 10306679

Parameter	Matrix	Analytical Method	Preparation Method
8260B MSV 5035 Low Level	Solid	SW-846 8260B	SW-846 5035A/5030B

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

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 062175-05-01_PCC_Site Investig
Pace Project No.: 10306679

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
10306679001	SO-062175-051315-JS-SB-2-10	EPA 3050	MPRP/54645	EPA 6020A	ICPM/24484
10306679002	SO-062175-051315-JS-SB-2-14	EPA 3050	MPRP/54645	EPA 6020A	ICPM/24484
10306679003	SO-062175-051415-JS-SB-1-5	EPA 3050	MPRP/54645	EPA 6020A	ICPM/24484
10306679004	SO-062175-051415-JS-SB-1-10	EPA 3050	MPRP/54645	EPA 6020A	ICPM/24484
10306679005	SO-062175-051415-JS-SB-1-20	EPA 3050	MPRP/54645	EPA 6020A	ICPM/24484
10306679006	SO-062175-051415-JS-SB-7-5	EPA 3050	MPRP/54645	EPA 6020A	ICPM/24484
10306679007	SO-062175-051415-JS-SB-7-13	EPA 3050	MPRP/54645	EPA 6020A	ICPM/24484
10306679008	SO-062175-051415-JS-SB-7-20	EPA 3050	MPRP/54645	EPA 6020A	ICPM/24484
10306679009	SO-062175-051415-JS-MW-9-5	EPA 3050	MPRP/54645	EPA 6020A	ICPM/24484
10306679010	SO-062175-051415-JS-MW-9-10	EPA 3050	MPRP/54645	EPA 6020A	ICPM/24484
10306679011	SO-062175-051415-JS-MW-9-15	EPA 3050	MPRP/54645	EPA 6020A	ICPM/24484
10306679001	SO-062175-051315-JS-SB-2-10	EPA 7471B	MERP/13660	EPA 7471B	MERC/15883
10306679002	SO-062175-051315-JS-SB-2-14	EPA 7471B	MERP/13660	EPA 7471B	MERC/15883
10306679003	SO-062175-051415-JS-SB-1-5	EPA 7471B	MERP/13660	EPA 7471B	MERC/15883
10306679004	SO-062175-051415-JS-SB-1-10	EPA 7471B	MERP/13660	EPA 7471B	MERC/15883
10306679005	SO-062175-051415-JS-SB-1-20	EPA 7471B	MERP/13660	EPA 7471B	MERC/15883
10306679006	SO-062175-051415-JS-SB-7-5	EPA 7471B	MERP/13660	EPA 7471B	MERC/15883
10306679007	SO-062175-051415-JS-SB-7-13	EPA 7471B	MERP/13660	EPA 7471B	MERC/15883
10306679008	SO-062175-051415-JS-SB-7-20	EPA 7471B	MERP/13660	EPA 7471B	MERC/15883
10306679009	SO-062175-051415-JS-MW-9-5	EPA 7471B	MERP/13660	EPA 7471B	MERC/15883
10306679010	SO-062175-051415-JS-MW-9-10	EPA 7471B	MERP/13660	EPA 7471B	MERC/15883
10306679011	SO-062175-051415-JS-MW-9-15	EPA 7471B	MERP/13660	EPA 7471B	MERC/15883
10306679001	SO-062175-051315-JS-SB-2-10	ASTM D2974	MPRP/54736		
10306679002	SO-062175-051315-JS-SB-2-14	ASTM D2974	MPRP/54736		
10306679003	SO-062175-051415-JS-SB-1-5	ASTM D2974	MPRP/54736		
10306679004	SO-062175-051415-JS-SB-1-10	ASTM D2974	MPRP/54736		
10306679005	SO-062175-051415-JS-SB-1-20	ASTM D2974	MPRP/54736		
10306679006	SO-062175-051415-JS-SB-7-5	ASTM D2974	MPRP/54736		
10306679007	SO-062175-051415-JS-SB-7-13	ASTM D2974	MPRP/54736		
10306679008	SO-062175-051415-JS-SB-7-20	ASTM D2974	MPRP/54736		
10306679009	SO-062175-051415-JS-MW-9-5	ASTM D2974	MPRP/54736		
10306679010	SO-062175-051415-JS-MW-9-10	ASTM D2974	MPRP/54737		
10306679011	SO-062175-051415-JS-MW-9-15	ASTM D2974	MPRP/54737		
10306679001	SO-062175-051315-JS-SB-2-10	EPA 5035 Low	MSV/31471	EPA 8260B	MSV/31556
10306679002	SO-062175-051315-JS-SB-2-14	EPA 5035 Low	MSV/31471	EPA 8260B	MSV/31556
10306679003	SO-062175-051415-JS-SB-1-5	EPA 5035 Low	MSV/31471	EPA 8260B	MSV/31556
10306679004	SO-062175-051415-JS-SB-1-10	EPA 5035 Low	MSV/31471	EPA 8260B	MSV/31556
10306679005	SO-062175-051415-JS-SB-1-20	EPA 5035 Low	MSV/31471	EPA 8260B	MSV/31556
10306679006	SO-062175-051415-JS-SB-7-5	EPA 5035 Low	MSV/31471	EPA 8260B	MSV/31556
10306679007	SO-062175-051415-JS-SB-7-13	EPA 5035 Low	MSV/31471	EPA 8260B	MSV/31556
10306679008	SO-062175-051415-JS-SB-7-20	EPA 5035 Low	MSV/31471	EPA 8260B	MSV/31556
10306679009	SO-062175-051415-JS-MW-9-5	EPA 5035 Low	MSV/31471	EPA 8260B	MSV/31559
10306679010	SO-062175-051415-JS-MW-9-10	EPA 5035 Low	MSV/31471	EPA 8260B	MSV/31559
10306679011	SO-062175-051415-JS-MW-9-15	EPA 5035 Low	MSV/31471	EPA 8260B	MSV/31559

Pace Analytical

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

L03066679

Page : Of

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company:	CRA	Report To:	cmcclelland@CRAworld.com	Attention:	Accounts Payable
Address:	20818 44th Ave W, Suite 190	Copy To:	jcloud@craworld.com	Company Name:	CRA
	Lynnwood, WA 98036	Copy To:	jsong@crawrld.com	Address:	20818 44th Ave W, Lynnwood 98036
Email To:	cmcclelland@CRAworld.com	Purchase Order No.		Pace Quote Reference:	
Phone:	Fax	Client Project ID:	062175-05-01 PCC Site Investigation	Pace Project Manager:	Jenni Gross
Requested Due Date/TAT:	10 Day (Standard)	Container Order Number:		Pace Profile #:	35203 #1

Regulatory Agency

State / Location: Kent, WA

Requested Analysis Filtered (Y/N)

ITEM#	SAMPLE ID (One Character per box. (A-Z, 0-9, -) Sample ids must be unique)	MATRIX CODE (use valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED START DATE	COLLECTED START TIME	COLLECTED END DATE	COLLECTED END TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H2SO4	HNO3	HCl	NaOH	Na2S2O3	Methanol	Terracore Kit	VIN: Analyses Test	5035/8260 VOCs	8020/7471 Total RCRA 8	Residual Chlorine (Y/N)	
1	SB-062175-051315-JS-SB-2-10	SL	G	5/13/15	1510				6	1							1		X	X		001
2	SB-062175-051315-JS-SB-2-14	SL	G	5/13/15	1550				6	1							1		X	X		002
3	SB-062175-051415-JS-SB-1-5	SL	G	5/14/15	930				6	1							1		X	X		003
4	SB-062175-051415-JS-SB-1-10	SL	G	5/14/15	930				6	1							1		X	X		004
5	SB-062175-051415-JS-SB-1-20	SL	G	5/14/15	940				6	1							1		X	X		005
6	SB-062175-051415-JS-SB-7-5	SL	G	5/14/15	1050				6	1							1		X	X		006
7	SB-062175-051415-JS-SB-7-13	SL	G	5/14/15	1100				6	1							1		X	X		007
8	SB-062175-051415-JS-SB-7-20	SL	G	5/14/15	1120				6	1							1		X	X		008
9	SB-062175-051415-JS-MW-9-5	SL	G	5/14/15	1220				6	1							1		X	X		009
10	SB-062175-051415-JS-MW-9-10	SL	G	5/14/15	1225				6	1							1		X	X		010
11	SB-062175-051415-JS-MW-9-15	SL	G	5/14/15	1230				6	1							1		X	X		011
12		SL	G							1							1					

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
	Jing Song	5/14/15	1600	PACE	5/14/15	1600	*	Y	N	Y
					5/15/15	1400				

SAMPLER NAME AND SIGNATURE						
PRINT Name of SAMPLER:	Jing Song	DATE Signed:	5/14/15	TEMP in C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
SIGNATURE of SAMPLER:				*3.2, 2.4			

Pace Analytical	Document Name: Sample Condition Upon Receipt Form	Document Revised: 23Feb2015 Page 1 of 1
	Document No.: F-MN-L-213-rev.13	Issuing Authority: Pace Minnesota Quality Office

Sample Condition Upon Receipt

Client Name: CRA

Project #: WO#: 10306679

10306679

Courier: ☑ Fed Ex ☐ UPS ☐ USPS ☐ Client ☐ Commercial ☐ Pace ☐ SpeeDee ☐ Other:

Tracking Number: 5719 5333 3621 3610

Custody Seal on Cooler/Box Present? ☑ Yes ☐ No Seals Intact? ☑ Yes ☐ No

Optional: Proj. Due Date: Proj. Name:

Packing Material: ☐ Bubble Wrap ☐ Bubble Bags ☐ None ☐ Other: Temp Blank? ☐ Yes ☐ No

Thermometer Used: ☐ B88A9130516413 ☐ B88A912167504 ☑ B88A0143310098

Type of Ice: ☑ Wet ☐ Blue ☐ None ☐ Samples on ice, cooling process has begun

Cooler Temp Read (°C): 1.2, 0.6 Cooler Temp Corrected (°C): 1.7, 1.1

Biological Tissue Frozen? ☐ Yes ☐ No ☑ N/A

Temp should be above freezing to 6°C Correction Factor: +0.5 Date and Initials of Person Examining Contents: KAC 05/15/15

USDA Regulated Soil (☐ N/A, water sample)

Did samples originate in a quarantine zone within the United States: AL, AR, AZ, CA, FL, GA, ID, LA, MS, NC, NM, NY, OK, OR, SC, TN, TX or WA (check maps)? ☑ Yes ☐ No

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

If Yes to either question, fill out a Regulated Soil Checklist (F-MN-Q-338) and include with SCUR/COC paperwork.

				COMMENTS:
Chain of Custody Present?	☑ Yes	☐ No	☐ N/A	1.
Chain of Custody Filled Out?	☑ Yes	☐ No	☐ N/A	2.
Chain of Custody Relinquished?	☑ Yes	☐ No	☐ N/A	3.
Sampler Name and/or Signature on COC?	☑ Yes	☐ No	☐ N/A	4.
Samples Arrived within Hold Time?	☑ Yes	☐ No	☐ N/A	5.
Short Hold Time Analysis (<72 hr)?	☐ Yes	☑ No	☐ N/A	6.
Rush Turn Around Time Requested?	☐ Yes	☑ No	☑ N/A	7.
Sufficient Volume?	☑ Yes	☐ No	☐ N/A	8.
Correct Containers Used?	☑ Yes	☐ No	☐ N/A	9.
-Pace Containers Used?	☑ Yes	☐ No	☐ N/A	
Containers Intact?	☑ Yes	☐ No	☐ N/A	10.
Filtered Volume Received for Dissolved Tests?	☐ Yes	☐ No	☑ N/A	11. Note if sediment is visible in the dissolved container
Sample Labels Match COC?	☑ Yes	☐ No	☐ N/A	12.
-Includes Date/Time/ID/Analysis Matrix: SL				
All containers needing acid/base preservation have been checked?	☐ Yes	☐ No	☑ N/A	13. ☐ HNO_3 ☐ H_2SO_4 ☐ NaOH ☐ HCl Sample #
All containers needing preservation are found to be in compliance with EPA recommendation? (HNO_3, H_2SO_4, HCl<2; NaOH >9 Sulfide, NaOH>12 Cyanide)	☐ Yes	☐ No	☑ N/A	
Exceptions: VOA, Coliform, TOC, Oil and Grease, DRO/8015 (water) DOC	☐ Yes	☑ No	☐ N/A	Initial when completed: Lot # of added preservative:
Headspace in VOA Vials (>6mm)?	☐ Yes	☐ No	☐ N/A	14.
Trip Blank Present?	☐ Yes	☑ No	☐ N/A	15. KAC 05/15/15
Trip Blank Custody Seals Present?	☐ Yes	☐ No	☑ N/A	
Pace Trip Blank Lot # (if purchased):				

CLIENT NOTIFICATION/RESOLUTION

Field Data Required? ☐ Yes ☑ No

Person Contacted: Date/Time:

Comments/Resolution:

Project Manager Review: [signature] Date: 5/18/2015

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEHNR Certification Office (i.e out of hold, incorrect preservative, out of temp, incorrect containers).

Pace Analytical	Document Name: Regulated Soil Checklist	Document Revised: 13Feb2015 Page 1 of 1
	Document No.: F-MN-Q-338-Rev.00	Issuing Authority: Pace Minnesota Quality Office

USDA REGULATED AND DOMESTIC SOIL CHECKLIST

To Be Completed by SR Staff:

Project: CRA Date: 5/18/15 Initials: AC

Sample Origin (circle one): DOMESTIC FOREIGN

(Note: soil samples from Hawaii and Puerto Rico are considered to be of a Foreign Source)

If Domestic, circle State of Origin: AL AR AZ CA FL GA ID LA MS NC NM NY OK OR SC TN TX (WA)

If Foreign, list County of Origin: _____

REQUIREMENT	ACTION	COMPLETED
"Special Handling" stickers are to be placed on all samples.	Did "special handling" stickers get placed on all sample containers?	(YES) NO
Samples must be segregated and stored in designated bins, shelves and coolers.	Were samples placed in a designated cooler, containers and shelves?	(YES) NO
Samples must be double contained to prevent accidental release.	Were there any signs of breakage or leakage (check for broken glass and/or loose soil in the cooler)? *If NO, ice and melt water can be disposed of by normal process (down the drain).*	YES (NO)
	If YES, were ice and melt water separated from the cooler and disposed of properly?	YES NO (N/A)
	Any broken glass and/or loose soil are to be bagged and placed in a USDA Regulated satellite container or active drum (see Waste Coordinator). **Ice and melt water should be baked at a temperature range of 121-154°F for 2 hours and then cooled before going down the drain.**	
Equipment and supplies that have come into contact samples must be decontaminated.	Was the cooler(s) and/or countertop(s) decontaminated using either a fresh 10% bleach solution or 70% ethanol? *(Gloves and other lab supplies will be bagged and placed in the SR USDA Regulated satellite container).*	(YES) NO

To Be Completed by PM/PC:

Sample Analysis to be conducted (circle all that apply): (MN) Subcontract Lab

Name of Subcontract Lab: _____

REQUIREMENT	ACTION	COMPLETED
Permission to ship untreated soil must be on file prior to shipping to any subcontract lab, including IR Pace Labs.	Go to: J:\SHARE\PRJ_MGR\10_Client Services Department Documents\Regulated Soils Permits – If permission to ship letter is not there, contact the Waste Coordinator.	YES NO (N/A)
Shipment must include a valid copy of the receiving lab's permit as well as permission to ship letter.	Is a copy of all needed paperwork included with the COC? Do NOT ship samples until all necessary paperwork is compiled.	YES NO (N/A)

Comments: _____

Project Manager Signature: JENN GIBB Date: 5/18/15

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

June 10, 2015

Christina McClelland
CRA
20818 44th Ave W
Suite 190
Lynnwood, WA 98036

RE: Project: 062175-03-Pro-Coat Q4
Pace Project No.: 10308544

Dear Christina McClelland:
Enclosed are the analytical results for sample(s) received by the laboratory on June 02, 2015. The results relate only to the samples included in this report. Results reported herein conform to the most current TNI 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,

Jennifer Gross
jennifer.gross@pacelabs.com
Project Manager

Enclosures

cc: Jeffrey Cloud, Conestoga-Rovers Association
Jesse Orth, CRA

Pace Analytical Services, Inc.
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CERTIFICATIONS

Project: 062175-03-Pro-Coat Q4
Pace Project No.: 10308544

Minnesota Certification IDs
1700 Elm Street SE Suite 200, Minneapolis, MN 55414
A2LA Certification #: 2926.01
Alaska Certification #: UST-078
Alaska Certification #MN00064
Alabama Certification #40770
Arizona Certification #: AZ-0014
Arkansas Certification #: 88-0680
California Certification #: 01155CA
Colorado Certification #Pace
Connecticut Certification #: PH-0256
EPA Region 8 Certification #: 8TMS-L
Florida/NELAP Certification #: E87605
Guam Certification #:14-008r
Georgia Certification #: 959
Georgia EPD #: Pace
Idaho Certification #: MN00064
Hawaii Certification #MN00064
Illinois Certification #: 200011
Indiana Certification#C-MN-01
Iowa Certification #: 368
Kansas Certification #: E-10167
Kentucky Dept of Envi. Protection - DW #90062
Kentucky Dept of Envi. Protection - WW #:90062
Louisiana DEQ Certification #: 3086
Louisiana DHH #: LA140001
Maine Certification #: 2013011
Maryland Certification #: 322
Michigan DEPH Certification #: 9909
Minnesota Certification #: 027-053-137
Mississippi Certification #: Pace
Montana Certification #: MT0092
Nevada Certification #: MN_00064
Nebraska Certification #: Pace
New Jersey Certification #: MN-002
New York Certification #: 11647
North Carolina Certification #: 530
North Carolina State Public Health #: 27700
North Dakota Certification #: R-036
Ohio EPA #: 4150
Ohio VAP Certification #: CL101
Oklahoma Certification #: 9507
Oregon Certification #: MN200001
Oregon Certification #: MN300001
Pennsylvania Certification #: 68-00563
Puerto Rico Certification
Saipan (CNMI) #:MP0003
South Carolina #:74003001
Texas Certification #: T104704192
Tennessee Certification #: 02818
Utah Certification #: MN000642013-4
Virginia DGS Certification #: 251
Virginia/VELAP Certification #: Pace
Washington Certification #: C486
West Virginia Certification #: 382
West Virginia DHHR #:9952C
Wisconsin Certification #: 999407970

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SAMPLE SUMMARY

Project: 062175-03-Pro-Coat Q4
Pace Project No.: 10308544

Lab ID	Sample ID	Matrix	Date Collected	Date Received
10308544001	MW-1	Water	06/01/15 09:12	06/02/15 09:30
10308544002	MW-2	Water	06/01/15 09:40	06/02/15 09:30
10308544003	MW-3	Water	06/01/15 10:05	06/02/15 09:30
10308544004	MW-4	Water	06/01/15 08:15	06/02/15 09:30
10308544005	MW-5	Water	06/01/15 08:45	06/02/15 09:30
10308544006	MW-6	Water	06/01/15 10:28	06/02/15 09:30
10308544007	MW-7	Water	06/01/15 10:55	06/02/15 09:30
10308544008	MW-8	Water	06/01/15 11:24	06/02/15 09:30
10308544009	MW-9	Water	06/01/15 12:02	06/02/15 09:30
10308544010	DUP-1	Water	06/01/15 00:00	06/02/15 09:30
10308544011	TB-1	Water	06/01/15 07:15	06/02/15 09:30

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SAMPLE ANALYTE COUNT

Project: 062175-03-Pro-Coat Q4
Pace Project No.: 10308544

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
10308544001	MW-1	EPA 6020A	TT3	3	PASI-M
		EPA 8260B	SH2	72	PASI-M
10308544002	MW-2	EPA 6020A	TT3	3	PASI-M
		EPA 8260B	SH2	72	PASI-M
10308544003	MW-3	EPA 6020A	TT3	3	PASI-M
		EPA 8260B	AJC	72	PASI-M
10308544004	MW-4	EPA 6020A	TT3	3	PASI-M
		EPA 8260B	SH2	72	PASI-M
10308544005	MW-5	EPA 6020A	TT3	3	PASI-M
		EPA 8260B	SH2	72	PASI-M
10308544006	MW-6	EPA 6020A	TT3	3	PASI-M
		EPA 8260B	AJC	72	PASI-M
10308544007	MW-7	EPA 6020A	TT3	3	PASI-M
		EPA 8260B	AJC	72	PASI-M
10308544008	MW-8	EPA 6020A	TT3	3	PASI-M
		EPA 8260B	AJC	72	PASI-M
10308544009	MW-9	EPA 6020A	TT3	3	PASI-M
		EPA 8260B	SH2	72	PASI-M
10308544010	DUP-1	EPA 6020A	TT3	3	PASI-M
		EPA 8260B	SH2	72	PASI-M
10308544011	TB-1	EPA 8260B	SH2	72	PASI-M

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PROJECT NARRATIVE

Project: 062175-03-Pro-Coat Q4
Pace Project No.: 10308544

Method: **EPA 6020A**
Description: 6020A MET ICPMS, Lab Filtered
Client: CRA_PCC Aerostructures
Date: June 10, 2015

General Information:
10 samples were analyzed for EPA 6020A. All samples were received in acceptable condition with any exceptions noted below.

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 3020 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.

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

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

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

Additional Comments:

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PROJECT NARRATIVE

Project: 062175-03-Pro-Coat Q4
Pace Project No.: 10308544

Method: **EPA 8260B**
Description: 8260B MSV Low Level
Client: CRA_PCC Aerostructures
Date: June 10, 2015

General Information:
11 samples were analyzed for EPA 8260B. All samples were received in acceptable condition with any exceptions noted below.

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.

QC Batch: MSV/31716

S3: Surrogate recovery exceeded laboratory control limits. Analyte presence below reporting limits in associated samples. Results unaffected by high bias.

- DUP-1 (Lab ID: 10308544010)
  - 1,2-Dichloroethane-d4 (S)
- MW-9 (Lab ID: 10308544009)
  - 1,2-Dichloroethane-d4 (S)

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

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

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

QC Batch: MSV/31740

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 10308544003

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

- MS (Lab ID: 1990070)
  - Acetone

R1: RPD value was outside control limits.

- MSD (Lab ID: 1990071)
  - Acetone

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PROJECT NARRATIVE

Project: 062175-03-Pro-Coat Q4
Pace Project No.: 10308544

Method: EPA 8260B
Description: 8260B MSV Low Level
Client: CRA_PCC Aerostructures
Date: June 10, 2015

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

Additional Comments:

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

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ANALYTICAL RESULTS

Project: 062175-03-Pro-Coat Q4
Pace Project No.: 10308544

Sample: MW-1 **Lab ID: 10308544001** Collected: 06/01/15 09:12 Received: 06/02/15 09:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6020A MET ICPMS, Lab Filtered	Analytical Method: EPA 6020A Preparation Method: EPA 3020							
Arsenic, Dissolved	**83.9**	ug/L	0.50	1	06/04/15 10:10	06/05/15 13:00	7440-38-2	
Cadmium, Dissolved	ND	ug/L	0.080	1	06/04/15 10:10	06/05/15 13:00	7440-43-9	
Chromium, Dissolved	**5.6**	ug/L	0.50	1	06/04/15 10:10	06/05/15 13:00	7440-47-3	
8260B MSV Low Level	Analytical Method: EPA 8260B							
1,1,1,2-Tetrachloroethane	ND	ug/L	0.50	1		06/08/15 15:59	630-20-6	
1,1,1-Trichloroethane	ND	ug/L	0.50	1		06/08/15 15:59	71-55-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	0.50	1		06/08/15 15:59	79-34-5	
1,1,2-Trichloroethane	ND	ug/L	0.50	1		06/08/15 15:59	79-00-5	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	1.0	1		06/08/15 15:59	76-13-1	
1,1-Dichloroethane	ND	ug/L	0.50	1		06/08/15 15:59	75-34-3	
1,1-Dichloroethene	ND	ug/L	0.50	1		06/08/15 15:59	75-35-4	
1,1-Dichloropropene	ND	ug/L	0.50	1		06/08/15 15:59	563-58-6	
1,2,3-Trichlorobenzene	ND	ug/L	0.50	1		06/08/15 15:59	87-61-6	
1,2,3-Trichloropropane	ND	ug/L	4.0	1		06/08/15 15:59	96-18-4	
1,2,4-Trichlorobenzene	ND	ug/L	0.50	1		06/08/15 15:59	120-82-1	
1,2,4-Trimethylbenzene	ND	ug/L	0.50	1		06/08/15 15:59	95-63-6	
1,2-Dibromo-3-chloropropane	ND	ug/L	4.0	1		06/08/15 15:59	96-12-8	
1,2-Dibromoethane (EDB)	ND	ug/L	0.50	1		06/08/15 15:59	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	0.50	1		06/08/15 15:59	95-50-1	
1,2-Dichloroethane	ND	ug/L	0.50	1		06/08/15 15:59	107-06-2	
1,2-Dichloropropane	ND	ug/L	4.0	1		06/08/15 15:59	78-87-5	
1,3,5-Trimethylbenzene	ND	ug/L	0.50	1		06/08/15 15:59	108-67-8	
1,3-Dichlorobenzene	ND	ug/L	0.50	1		06/08/15 15:59	541-73-1	
1,3-Dichloropropane	ND	ug/L	0.50	1		06/08/15 15:59	142-28-9	
1,4-Dichlorobenzene	ND	ug/L	0.50	1		06/08/15 15:59	106-46-7	
2,2-Dichloropropane	ND	ug/L	1.0	1		06/08/15 15:59	594-20-7	
2-Butanone (MEK)	ND	ug/L	5.0	1		06/08/15 15:59	78-93-3	
2-Chlorotoluene	ND	ug/L	0.50	1		06/08/15 15:59	95-49-8	
4-Chlorotoluene	ND	ug/L	0.50	1		06/08/15 15:59	106-43-4	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	1		06/08/15 15:59	108-10-1	
Acetone	ND	ug/L	20.0	1		06/08/15 15:59	67-64-1	
Allyl chloride	ND	ug/L	4.0	1		06/08/15 15:59	107-05-1	
Benzene	ND	ug/L	0.50	1		06/08/15 15:59	71-43-2	
Bromobenzene	ND	ug/L	0.50	1		06/08/15 15:59	108-86-1	
Bromochloromethane	ND	ug/L	1.0	1		06/08/15 15:59	74-97-5	
Bromodichloromethane	ND	ug/L	0.50	1		06/08/15 15:59	75-27-4	
Bromoform	ND	ug/L	4.0	1		06/08/15 15:59	75-25-2	
Bromomethane	ND	ug/L	10.0	1		06/08/15 15:59	74-83-9	
Carbon tetrachloride	ND	ug/L	1.0	1		06/08/15 15:59	56-23-5	
Chlorobenzene	ND	ug/L	0.50	1		06/08/15 15:59	108-90-7	
Chloroethane	**1.1**	ug/L	1.0	1		06/08/15 15:59	75-00-3	
Chloroform	ND	ug/L	1.0	1		06/08/15 15:59	67-66-3	
Chloromethane	ND	ug/L	4.0	1		06/08/15 15:59	74-87-3	
Dibromochloromethane	ND	ug/L	0.50	1		06/08/15 15:59	124-48-1	
Dibromomethane	ND	ug/L	1.0	1		06/08/15 15:59	74-95-3	
Dichlorodifluoromethane	ND	ug/L	1.0	1		06/08/15 15:59	75-71-8	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
1700 Elm Street - Suite 200
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(612)607-1700

ANALYTICAL RESULTS

Project: 062175-03-Pro-Coat Q4
Pace Project No.: 10308544

Sample: MW-1 **Lab ID: 10308544001** Collected: 06/01/15 09:12 Received: 06/02/15 09:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV Low Level	Analytical Method: EPA 8260B							
Dichlorofluoromethane	ND	ug/L	1.0	1		06/08/15 15:59	75-43-4	
Diethyl ether (Ethyl ether)	ND	ug/L	4.0	1		06/08/15 15:59	60-29-7	
Ethylbenzene	ND	ug/L	0.50	1		06/08/15 15:59	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	1.0	1		06/08/15 15:59	87-68-3	
Isopropylbenzene (Cumene)	ND	ug/L	0.50	1		06/08/15 15:59	98-82-8	
Methyl-tert-butyl ether	ND	ug/L	0.50	1		06/08/15 15:59	1634-04-4	
Methylene Chloride	ND	ug/L	4.0	1		06/08/15 15:59	75-09-2	
Naphthalene	ND	ug/L	1.0	1		06/08/15 15:59	91-20-3	
Styrene	ND	ug/L	0.50	1		06/08/15 15:59	100-42-5	
Tetrachloroethene	ND	ug/L	0.50	1		06/08/15 15:59	127-18-4	
Tetrahydrofuran	ND	ug/L	10.0	1		06/08/15 15:59	109-99-9	
Toluene	ND	ug/L	0.50	1		06/08/15 15:59	108-88-3	
Trichloroethene	ND	ug/L	0.40	1		06/08/15 15:59	79-01-6	
Trichlorofluoromethane	ND	ug/L	0.50	1		06/08/15 15:59	75-69-4	
Vinyl chloride	ND	ug/L	0.20	1		06/08/15 15:59	75-01-4	
Xylene (Total)	ND	ug/L	1.5	1		06/08/15 15:59	1330-20-7	
cis-1,2-Dichloroethene	**1.5**	ug/L	0.50	1		06/08/15 15:59	156-59-2	
cis-1,3-Dichloropropene	ND	ug/L	0.50	1		06/08/15 15:59	10061-01-5	
m&p-Xylene	ND	ug/L	1.0	1		06/08/15 15:59	179601-23-1	
n-Butylbenzene	ND	ug/L	0.50	1		06/08/15 15:59	104-51-8	
n-Propylbenzene	ND	ug/L	0.50	1		06/08/15 15:59	103-65-1	
o-Xylene	ND	ug/L	0.50	1		06/08/15 15:59	95-47-6	
p-Isopropyltoluene	ND	ug/L	0.50	1		06/08/15 15:59	99-87-6	
sec-Butylbenzene	ND	ug/L	0.50	1		06/08/15 15:59	135-98-8	
tert-Butylbenzene	ND	ug/L	0.50	1		06/08/15 15:59	98-06-6	
trans-1,2-Dichloroethene	ND	ug/L	0.50	1		06/08/15 15:59	156-60-5	
trans-1,3-Dichloropropene	ND	ug/L	0.50	1		06/08/15 15:59	10061-02-6	
Surrogates								
1,2-Dichloroethane-d4 (S)	124	%.	75-125	1		06/08/15 15:59	17060-07-0	
Toluene-d8 (S)	109	%.	75-125	1		06/08/15 15:59	2037-26-5	
4-Bromofluorobenzene (S)	112	%.	75-125	1		06/08/15 15:59	460-00-4	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 062175-03-Pro-Coat Q4
Pace Project No.: 10308544

Sample: MW-2 **Lab ID: 10308544002** Collected: 06/01/15 09:40 Received: 06/02/15 09:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6020A MET ICPMS, Lab Filtered	Analytical Method: EPA 6020A Preparation Method: EPA 3020							
Arsenic, Dissolved	**34.9**	ug/L	0.50	1	06/04/15 10:10	06/05/15 13:03	7440-38-2	
Cadmium, Dissolved	ND	ug/L	0.080	1	06/04/15 10:10	06/05/15 13:03	7440-43-9	
Chromium, Dissolved	**1.7**	ug/L	0.50	1	06/04/15 10:10	06/05/15 13:03	7440-47-3	
8260B MSV Low Level	Analytical Method: EPA 8260B							
1,1,1,2-Tetrachloroethane	ND	ug/L	0.50	1		06/08/15 16:26	630-20-6	
1,1,1-Trichloroethane	ND	ug/L	0.50	1		06/08/15 16:26	71-55-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	0.50	1		06/08/15 16:26	79-34-5	
1,1,2-Trichloroethane	ND	ug/L	0.50	1		06/08/15 16:26	79-00-5	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	1.0	1		06/08/15 16:26	76-13-1	
1,1-Dichloroethane	ND	ug/L	0.50	1		06/08/15 16:26	75-34-3	
1,1-Dichloroethene	ND	ug/L	0.50	1		06/08/15 16:26	75-35-4	
1,1-Dichloropropene	ND	ug/L	0.50	1		06/08/15 16:26	563-58-6	
1,2,3-Trichlorobenzene	ND	ug/L	0.50	1		06/08/15 16:26	87-61-6	
1,2,3-Trichloropropane	ND	ug/L	4.0	1		06/08/15 16:26	96-18-4	
1,2,4-Trichlorobenzene	ND	ug/L	0.50	1		06/08/15 16:26	120-82-1	
1,2,4-Trimethylbenzene	ND	ug/L	0.50	1		06/08/15 16:26	95-63-6	
1,2-Dibromo-3-chloropropane	ND	ug/L	4.0	1		06/08/15 16:26	96-12-8	
1,2-Dibromoethane (EDB)	ND	ug/L	0.50	1		06/08/15 16:26	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	0.50	1		06/08/15 16:26	95-50-1	
1,2-Dichloroethane	ND	ug/L	0.50	1		06/08/15 16:26	107-06-2	
1,2-Dichloropropane	ND	ug/L	4.0	1		06/08/15 16:26	78-87-5	
1,3,5-Trimethylbenzene	ND	ug/L	0.50	1		06/08/15 16:26	108-67-8	
1,3-Dichlorobenzene	ND	ug/L	0.50	1		06/08/15 16:26	541-73-1	
1,3-Dichloropropane	ND	ug/L	0.50	1		06/08/15 16:26	142-28-9	
1,4-Dichlorobenzene	ND	ug/L	0.50	1		06/08/15 16:26	106-46-7	
2,2-Dichloropropane	ND	ug/L	1.0	1		06/08/15 16:26	594-20-7	
2-Butanone (MEK)	ND	ug/L	5.0	1		06/08/15 16:26	78-93-3	
2-Chlorotoluene	ND	ug/L	0.50	1		06/08/15 16:26	95-49-8	
4-Chlorotoluene	ND	ug/L	0.50	1		06/08/15 16:26	106-43-4	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	1		06/08/15 16:26	108-10-1	
Acetone	ND	ug/L	20.0	1		06/08/15 16:26	67-64-1	
Allyl chloride	ND	ug/L	4.0	1		06/08/15 16:26	107-05-1	
Benzene	ND	ug/L	0.50	1		06/08/15 16:26	71-43-2	
Bromobenzene	ND	ug/L	0.50	1		06/08/15 16:26	108-86-1	
Bromochloromethane	ND	ug/L	1.0	1		06/08/15 16:26	74-97-5	
Bromodichloromethane	ND	ug/L	0.50	1		06/08/15 16:26	75-27-4	
Bromoform	ND	ug/L	4.0	1		06/08/15 16:26	75-25-2	
Bromomethane	ND	ug/L	10.0	1		06/08/15 16:26	74-83-9	
Carbon tetrachloride	ND	ug/L	1.0	1		06/08/15 16:26	56-23-5	
Chlorobenzene	ND	ug/L	0.50	1		06/08/15 16:26	108-90-7	
Chloroethane	ND	ug/L	1.0	1		06/08/15 16:26	75-00-3	
Chloroform	ND	ug/L	1.0	1		06/08/15 16:26	67-66-3	
Chloromethane	ND	ug/L	4.0	1		06/08/15 16:26	74-87-3	
Dibromochloromethane	ND	ug/L	0.50	1		06/08/15 16:26	124-48-1	
Dibromomethane	ND	ug/L	1.0	1		06/08/15 16:26	74-95-3	
Dichlorodifluoromethane	ND	ug/L	1.0	1		06/08/15 16:26	75-71-8	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
1700 Elm Street - Suite 200
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ANALYTICAL RESULTS

Project: 062175-03-Pro-Coat Q4
Pace Project No.: 10308544

Sample: MW-2 **Lab ID: 10308544002** Collected: 06/01/15 09:40 Received: 06/02/15 09:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV Low Level	Analytical Method: EPA 8260B							
Dichlorofluoromethane	ND	ug/L	1.0	1		06/08/15 16:26	75-43-4	
Diethyl ether (Ethyl ether)	ND	ug/L	4.0	1		06/08/15 16:26	60-29-7	
Ethylbenzene	ND	ug/L	0.50	1		06/08/15 16:26	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	1.0	1		06/08/15 16:26	87-68-3	
Isopropylbenzene (Cumene)	ND	ug/L	0.50	1		06/08/15 16:26	98-82-8	
Methyl-tert-butyl ether	ND	ug/L	0.50	1		06/08/15 16:26	1634-04-4	
Methylene Chloride	ND	ug/L	4.0	1		06/08/15 16:26	75-09-2	
Naphthalene	ND	ug/L	1.0	1		06/08/15 16:26	91-20-3	
Styrene	ND	ug/L	0.50	1		06/08/15 16:26	100-42-5	
Tetrachloroethene	ND	ug/L	0.50	1		06/08/15 16:26	127-18-4	
Tetrahydrofuran	ND	ug/L	10.0	1		06/08/15 16:26	109-99-9	
Toluene	ND	ug/L	0.50	1		06/08/15 16:26	108-88-3	
Trichloroethene	ND	ug/L	0.40	1		06/08/15 16:26	79-01-6	
Trichlorofluoromethane	ND	ug/L	0.50	1		06/08/15 16:26	75-69-4	
Vinyl chloride	ND	ug/L	0.20	1		06/08/15 16:26	75-01-4	
Xylene (Total)	ND	ug/L	1.5	1		06/08/15 16:26	1330-20-7	
cis-1,2-Dichloroethene	ND	ug/L	0.50	1		06/08/15 16:26	156-59-2	
cis-1,3-Dichloropropene	ND	ug/L	0.50	1		06/08/15 16:26	10061-01-5	
m&p-Xylene	ND	ug/L	1.0	1		06/08/15 16:26	179601-23-1	
n-Butylbenzene	ND	ug/L	0.50	1		06/08/15 16:26	104-51-8	
n-Propylbenzene	ND	ug/L	0.50	1		06/08/15 16:26	103-65-1	
o-Xylene	ND	ug/L	0.50	1		06/08/15 16:26	95-47-6	
p-Isopropyltoluene	ND	ug/L	0.50	1		06/08/15 16:26	99-87-6	
sec-Butylbenzene	ND	ug/L	0.50	1		06/08/15 16:26	135-98-8	
tert-Butylbenzene	ND	ug/L	0.50	1		06/08/15 16:26	98-06-6	
trans-1,2-Dichloroethene	ND	ug/L	0.50	1		06/08/15 16:26	156-60-5	
trans-1,3-Dichloropropene	ND	ug/L	0.50	1		06/08/15 16:26	10061-02-6	
Surrogates								
1,2-Dichloroethane-d4 (S)	122	%.	75-125	1		06/08/15 16:26	17060-07-0	
Toluene-d8 (S)	107	%.	75-125	1		06/08/15 16:26	2037-26-5	
4-Bromofluorobenzene (S)	109	%.	75-125	1		06/08/15 16:26	460-00-4	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
1700 Elm Street - Suite 200
Minneapolis, MN 55414
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ANALYTICAL RESULTS

Project: 062175-03-Pro-Coat Q4
Pace Project No.: 10308544

Sample: MW-3 **Lab ID: 10308544003** Collected: 06/01/15 10:05 Received: 06/02/15 09:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6020A MET ICPMS, Lab Filtered	Analytical Method: EPA 6020A Preparation Method: EPA 3020							
Arsenic, Dissolved	**69.9**	ug/L	0.50	1	06/04/15 10:10	06/05/15 13:06	7440-38-2	
Cadmium, Dissolved	ND	ug/L	0.080	1	06/04/15 10:10	06/05/15 13:06	7440-43-9	
Chromium, Dissolved	**4.4**	ug/L	0.50	1	06/04/15 10:10	06/05/15 13:06	7440-47-3	
8260B MSV Low Level	Analytical Method: EPA 8260B							
1,1,1,2-Tetrachloroethane	ND	ug/L	2.5	5		06/09/15 21:15	630-20-6	
1,1,1-Trichloroethane	ND	ug/L	5.0	5		06/09/15 21:15	71-55-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	2.5	5		06/09/15 21:15	79-34-5	
1,1,2-Trichloroethane	ND	ug/L	2.5	5		06/09/15 21:15	79-00-5	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	5		06/09/15 21:15	76-13-1	
1,1-Dichloroethane	**98.4**	ug/L	2.5	5		06/09/15 21:15	75-34-3	
1,1-Dichloroethene	**25.0**	ug/L	2.5	5		06/09/15 21:15	75-35-4	
1,1-Dichloropropene	ND	ug/L	2.5	5		06/09/15 21:15	563-58-6	
1,2,3-Trichlorobenzene	ND	ug/L	2.5	5		06/09/15 21:15	87-61-6	
1,2,3-Trichloropropane	ND	ug/L	20.0	5		06/09/15 21:15	96-18-4	
1,2,4-Trichlorobenzene	ND	ug/L	2.5	5		06/09/15 21:15	120-82-1	
1,2,4-Trimethylbenzene	ND	ug/L	2.5	5		06/09/15 21:15	95-63-6	
1,2-Dibromo-3-chloropropane	ND	ug/L	20.0	5		06/09/15 21:15	96-12-8	
1,2-Dibromoethane (EDB)	ND	ug/L	2.5	5		06/09/15 21:15	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	2.5	5		06/09/15 21:15	95-50-1	
1,2-Dichloroethane	ND	ug/L	2.5	5		06/09/15 21:15	107-06-2	
1,2-Dichloropropane	ND	ug/L	20.0	5		06/09/15 21:15	78-87-5	
1,3,5-Trimethylbenzene	ND	ug/L	2.5	5		06/09/15 21:15	108-67-8	
1,3-Dichlorobenzene	ND	ug/L	2.5	5		06/09/15 21:15	541-73-1	
1,3-Dichloropropane	ND	ug/L	2.5	5		06/09/15 21:15	142-28-9	
1,4-Dichlorobenzene	ND	ug/L	2.5	5		06/09/15 21:15	106-46-7	
2,2-Dichloropropane	ND	ug/L	5.0	5		06/09/15 21:15	594-20-7	
2-Butanone (MEK)	ND	ug/L	25.0	5		06/09/15 21:15	78-93-3	
2-Chlorotoluene	ND	ug/L	2.5	5		06/09/15 21:15	95-49-8	
4-Chlorotoluene	ND	ug/L	2.5	5		06/09/15 21:15	106-43-4	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	5		06/09/15 21:15	108-10-1	
Acetone	ND	ug/L	100	5		06/09/15 21:15	67-64-1	M1,R1
Allyl chloride	ND	ug/L	20.0	5		06/09/15 21:15	107-05-1	
Benzene	ND	ug/L	2.5	5		06/09/15 21:15	71-43-2	
Bromobenzene	ND	ug/L	2.5	5		06/09/15 21:15	108-86-1	
Bromochloromethane	ND	ug/L	5.0	5		06/09/15 21:15	74-97-5	
Bromodichloromethane	ND	ug/L	2.5	5		06/09/15 21:15	75-27-4	
Bromoform	ND	ug/L	20.0	5		06/09/15 21:15	75-25-2	
Bromomethane	ND	ug/L	20.0	5		06/09/15 21:15	74-83-9	
Carbon tetrachloride	ND	ug/L	5.0	5		06/09/15 21:15	56-23-5	
Chlorobenzene	ND	ug/L	2.5	5		06/09/15 21:15	108-90-7	
Chloroethane	**15.0**	ug/L	5.0	5		06/09/15 21:15	75-00-3	
Chloroform	ND	ug/L	5.0	5		06/09/15 21:15	67-66-3	
Chloromethane	ND	ug/L	20.0	5		06/09/15 21:15	74-87-3	
Dibromochloromethane	ND	ug/L	2.5	5		06/09/15 21:15	124-48-1	
Dibromomethane	ND	ug/L	5.0	5		06/09/15 21:15	74-95-3	
Dichlorodifluoromethane	ND	ug/L	5.0	5		06/09/15 21:15	75-71-8	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
1700 Elm Street - Suite 200
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ANALYTICAL RESULTS

Project: 062175-03-Pro-Coat Q4
Pace Project No.: 10308544

Sample: MW-3 **Lab ID: 10308544003** Collected: 06/01/15 10:05 Received: 06/02/15 09:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV Low Level	Analytical Method: EPA 8260B							
Dichlorofluoromethane	ND	ug/L	5.0	5		06/09/15 21:15	75-43-4	
Diethyl ether (Ethyl ether)	ND	ug/L	20.0	5		06/09/15 21:15	60-29-7	
Ethylbenzene	ND	ug/L	2.5	5		06/09/15 21:15	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	5.0	5		06/09/15 21:15	87-68-3	
Isopropylbenzene (Cumene)	ND	ug/L	2.5	5		06/09/15 21:15	98-82-8	
Methyl-tert-butyl ether	ND	ug/L	2.5	5		06/09/15 21:15	1634-04-4	
Methylene Chloride	ND	ug/L	20.0	5		06/09/15 21:15	75-09-2	
Naphthalene	ND	ug/L	5.0	5		06/09/15 21:15	91-20-3	
Styrene	ND	ug/L	2.5	5		06/09/15 21:15	100-42-5	
Tetrachloroethene	ND	ug/L	2.5	5		06/09/15 21:15	127-18-4	
Tetrahydrofuran	ND	ug/L	50.0	5		06/09/15 21:15	109-99-9	
Toluene	ND	ug/L	2.5	5		06/09/15 21:15	108-88-3	
Trichloroethene	ND	ug/L	2.0	5		06/09/15 21:15	79-01-6	
Trichlorofluoromethane	ND	ug/L	2.5	5		06/09/15 21:15	75-69-4	
Vinyl chloride	**2.0**	ug/L	2.0	5		06/09/15 21:15	75-01-4	
Xylene (Total)	ND	ug/L	7.5	5		06/09/15 21:15	1330-20-7	
cis-1,2-Dichloroethene	**488**	ug/L	2.5	5		06/09/15 21:15	156-59-2	
cis-1,3-Dichloropropene	ND	ug/L	2.5	5		06/09/15 21:15	10061-01-5	
m&p-Xylene	ND	ug/L	5.0	5		06/09/15 21:15	179601-23-1	
n-Butylbenzene	ND	ug/L	2.5	5		06/09/15 21:15	104-51-8	
n-Propylbenzene	ND	ug/L	2.5	5		06/09/15 21:15	103-65-1	
o-Xylene	ND	ug/L	2.5	5		06/09/15 21:15	95-47-6	
p-Isopropyltoluene	ND	ug/L	2.5	5		06/09/15 21:15	99-87-6	
sec-Butylbenzene	ND	ug/L	2.5	5		06/09/15 21:15	135-98-8	
tert-Butylbenzene	ND	ug/L	2.5	5		06/09/15 21:15	98-06-6	
trans-1,2-Dichloroethene	**15.8**	ug/L	5.0	5		06/09/15 21:15	156-60-5	
trans-1,3-Dichloropropene	ND	ug/L	2.5	5		06/09/15 21:15	10061-02-6	
Surrogates								
1,2-Dichloroethane-d4 (S)	96	%.	75-125	5		06/09/15 21:15	17060-07-0	
Toluene-d8 (S)	101	%.	75-125	5		06/09/15 21:15	2037-26-5	
4-Bromofluorobenzene (S)	102	%.	75-125	5		06/09/15 21:15	460-00-4	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
1700 Elm Street - Suite 200
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ANALYTICAL RESULTS

Project: 062175-03-Pro-Coat Q4
Pace Project No.: 10308544

Sample: MW-4 **Lab ID: 10308544004** Collected: 06/01/15 08:15 Received: 06/02/15 09:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6020A MET ICPMS, Lab Filtered	Analytical Method: EPA 6020A Preparation Method: EPA 3020							
Arsenic, Dissolved	**28.9**	ug/L	0.50	1	06/04/15 10:10	06/05/15 13:08	7440-38-2	
Cadmium, Dissolved	ND	ug/L	0.080	1	06/04/15 10:10	06/05/15 13:08	7440-43-9	
Chromium, Dissolved	**0.79**	ug/L	0.50	1	06/04/15 10:10	06/05/15 13:08	7440-47-3	
8260B MSV Low Level	Analytical Method: EPA 8260B							
1,1,1,2-Tetrachloroethane	ND	ug/L	0.50	1		06/08/15 17:46	630-20-6	
1,1,1-Trichloroethane	ND	ug/L	0.50	1		06/08/15 17:46	71-55-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	0.50	1		06/08/15 17:46	79-34-5	
1,1,2-Trichloroethane	ND	ug/L	0.50	1		06/08/15 17:46	79-00-5	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	1.0	1		06/08/15 17:46	76-13-1	
1,1-Dichloroethane	ND	ug/L	0.50	1		06/08/15 17:46	75-34-3	
1,1-Dichloroethene	ND	ug/L	0.50	1		06/08/15 17:46	75-35-4	
1,1-Dichloropropene	ND	ug/L	0.50	1		06/08/15 17:46	563-58-6	
1,2,3-Trichlorobenzene	ND	ug/L	0.50	1		06/08/15 17:46	87-61-6	
1,2,3-Trichloropropane	ND	ug/L	4.0	1		06/08/15 17:46	96-18-4	
1,2,4-Trichlorobenzene	ND	ug/L	0.50	1		06/08/15 17:46	120-82-1	
1,2,4-Trimethylbenzene	ND	ug/L	0.50	1		06/08/15 17:46	95-63-6	
1,2-Dibromo-3-chloropropane	ND	ug/L	4.0	1		06/08/15 17:46	96-12-8	
1,2-Dibromoethane (EDB)	ND	ug/L	0.50	1		06/08/15 17:46	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	0.50	1		06/08/15 17:46	95-50-1	
1,2-Dichloroethane	ND	ug/L	0.50	1		06/08/15 17:46	107-06-2	
1,2-Dichloropropane	ND	ug/L	4.0	1		06/08/15 17:46	78-87-5	
1,3,5-Trimethylbenzene	ND	ug/L	0.50	1		06/08/15 17:46	108-67-8	
1,3-Dichlorobenzene	ND	ug/L	0.50	1		06/08/15 17:46	541-73-1	
1,3-Dichloropropane	ND	ug/L	0.50	1		06/08/15 17:46	142-28-9	
1,4-Dichlorobenzene	ND	ug/L	0.50	1		06/08/15 17:46	106-46-7	
2,2-Dichloropropane	ND	ug/L	1.0	1		06/08/15 17:46	594-20-7	
2-Butanone (MEK)	ND	ug/L	5.0	1		06/08/15 17:46	78-93-3	
2-Chlorotoluene	ND	ug/L	0.50	1		06/08/15 17:46	95-49-8	
4-Chlorotoluene	ND	ug/L	0.50	1		06/08/15 17:46	106-43-4	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	1		06/08/15 17:46	108-10-1	
Acetone	ND	ug/L	20.0	1		06/08/15 17:46	67-64-1	
Allyl chloride	ND	ug/L	4.0	1		06/08/15 17:46	107-05-1	
Benzene	ND	ug/L	0.50	1		06/08/15 17:46	71-43-2	
Bromobenzene	ND	ug/L	0.50	1		06/08/15 17:46	108-86-1	
Bromochloromethane	ND	ug/L	1.0	1		06/08/15 17:46	74-97-5	
Bromodichloromethane	ND	ug/L	0.50	1		06/08/15 17:46	75-27-4	
Bromoform	ND	ug/L	4.0	1		06/08/15 17:46	75-25-2	
Bromomethane	ND	ug/L	10.0	1		06/08/15 17:46	74-83-9	
Carbon tetrachloride	ND	ug/L	1.0	1		06/08/15 17:46	56-23-5	
Chlorobenzene	ND	ug/L	0.50	1		06/08/15 17:46	108-90-7	
Chloroethane	ND	ug/L	1.0	1		06/08/15 17:46	75-00-3	
Chloroform	ND	ug/L	1.0	1		06/08/15 17:46	67-66-3	
Chloromethane	ND	ug/L	4.0	1		06/08/15 17:46	74-87-3	
Dibromochloromethane	ND	ug/L	0.50	1		06/08/15 17:46	124-48-1	
Dibromomethane	ND	ug/L	1.0	1		06/08/15 17:46	74-95-3	
Dichlorodifluoromethane	ND	ug/L	1.0	1		06/08/15 17:46	75-71-8	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 062175-03-Pro-Coat Q4
Pace Project No.: 10308544

Sample: MW-4 **Lab ID: 10308544004** Collected: 06/01/15 08:15 Received: 06/02/15 09:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV Low Level	Analytical Method: EPA 8260B							
Dichlorofluoromethane	ND	ug/L	1.0	1		06/08/15 17:46	75-43-4	
Diethyl ether (Ethyl ether)	ND	ug/L	4.0	1		06/08/15 17:46	60-29-7	
Ethylbenzene	ND	ug/L	0.50	1		06/08/15 17:46	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	1.0	1		06/08/15 17:46	87-68-3	
Isopropylbenzene (Cumene)	ND	ug/L	0.50	1		06/08/15 17:46	98-82-8	
Methyl-tert-butyl ether	ND	ug/L	0.50	1		06/08/15 17:46	1634-04-4	
Methylene Chloride	ND	ug/L	4.0	1		06/08/15 17:46	75-09-2	
Naphthalene	ND	ug/L	1.0	1		06/08/15 17:46	91-20-3	
Styrene	ND	ug/L	0.50	1		06/08/15 17:46	100-42-5	
Tetrachloroethene	ND	ug/L	0.50	1		06/08/15 17:46	127-18-4	
Tetrahydrofuran	ND	ug/L	10.0	1		06/08/15 17:46	109-99-9	
Toluene	ND	ug/L	0.50	1		06/08/15 17:46	108-88-3	
Trichloroethene	ND	ug/L	0.40	1		06/08/15 17:46	79-01-6	
Trichlorofluoromethane	ND	ug/L	0.50	1		06/08/15 17:46	75-69-4	
Vinyl chloride	ND	ug/L	0.20	1		06/08/15 17:46	75-01-4	
Xylene (Total)	ND	ug/L	1.5	1		06/08/15 17:46	1330-20-7	
cis-1,2-Dichloroethene	ND	ug/L	0.50	1		06/08/15 17:46	156-59-2	
cis-1,3-Dichloropropene	ND	ug/L	0.50	1		06/08/15 17:46	10061-01-5	
m&p-Xylene	ND	ug/L	1.0	1		06/08/15 17:46	179601-23-1	
n-Butylbenzene	ND	ug/L	0.50	1		06/08/15 17:46	104-51-8	
n-Propylbenzene	ND	ug/L	0.50	1		06/08/15 17:46	103-65-1	
o-Xylene	ND	ug/L	0.50	1		06/08/15 17:46	95-47-6	
p-Isopropyltoluene	ND	ug/L	0.50	1		06/08/15 17:46	99-87-6	
sec-Butylbenzene	ND	ug/L	0.50	1		06/08/15 17:46	135-98-8	
tert-Butylbenzene	ND	ug/L	0.50	1		06/08/15 17:46	98-06-6	
trans-1,2-Dichloroethene	ND	ug/L	0.50	1		06/08/15 17:46	156-60-5	
trans-1,3-Dichloropropene	ND	ug/L	0.50	1		06/08/15 17:46	10061-02-6	
Surrogates								
1,2-Dichloroethane-d4 (S)	125	%.	75-125	1		06/08/15 17:46	17060-07-0	
Toluene-d8 (S)	107	%.	75-125	1		06/08/15 17:46	2037-26-5	
4-Bromofluorobenzene (S)	112	%.	75-125	1		06/08/15 17:46	460-00-4	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 062175-03-Pro-Coat Q4
Pace Project No.: 10308544

Sample: MW-5 **Lab ID: 10308544005** Collected: 06/01/15 08:45 Received: 06/02/15 09:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6020A MET ICPMS, Lab Filtered	Analytical Method: EPA 6020A Preparation Method: EPA 3020							
Arsenic, Dissolved	**11.8**	ug/L	0.50	1	06/04/15 10:10	06/05/15 13:16	7440-38-2	
Cadmium, Dissolved	ND	ug/L	0.080	1	06/04/15 10:10	06/05/15 13:16	7440-43-9	
Chromium, Dissolved	**1.5**	ug/L	0.50	1	06/04/15 10:10	06/05/15 13:16	7440-47-3	
8260B MSV Low Level	Analytical Method: EPA 8260B							
1,1,1,2-Tetrachloroethane	ND	ug/L	0.50	1		06/08/15 18:13	630-20-6	
1,1,1-Trichloroethane	ND	ug/L	0.50	1		06/08/15 18:13	71-55-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	0.50	1		06/08/15 18:13	79-34-5	
1,1,2-Trichloroethane	ND	ug/L	0.50	1		06/08/15 18:13	79-00-5	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	1.0	1		06/08/15 18:13	76-13-1	
1,1-Dichloroethane	ND	ug/L	0.50	1		06/08/15 18:13	75-34-3	
1,1-Dichloroethene	ND	ug/L	0.50	1		06/08/15 18:13	75-35-4	
1,1-Dichloropropene	ND	ug/L	0.50	1		06/08/15 18:13	563-58-6	
1,2,3-Trichlorobenzene	ND	ug/L	0.50	1		06/08/15 18:13	87-61-6	
1,2,3-Trichloropropane	ND	ug/L	4.0	1		06/08/15 18:13	96-18-4	
1,2,4-Trichlorobenzene	ND	ug/L	0.50	1		06/08/15 18:13	120-82-1	
1,2,4-Trimethylbenzene	ND	ug/L	0.50	1		06/08/15 18:13	95-63-6	
1,2-Dibromo-3-chloropropane	ND	ug/L	4.0	1		06/08/15 18:13	96-12-8	
1,2-Dibromoethane (EDB)	ND	ug/L	0.50	1		06/08/15 18:13	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	0.50	1		06/08/15 18:13	95-50-1	
1,2-Dichloroethane	ND	ug/L	0.50	1		06/08/15 18:13	107-06-2	
1,2-Dichloropropane	ND	ug/L	4.0	1		06/08/15 18:13	78-87-5	
1,3,5-Trimethylbenzene	ND	ug/L	0.50	1		06/08/15 18:13	108-67-8	
1,3-Dichlorobenzene	ND	ug/L	0.50	1		06/08/15 18:13	541-73-1	
1,3-Dichloropropane	ND	ug/L	0.50	1		06/08/15 18:13	142-28-9	
1,4-Dichlorobenzene	ND	ug/L	0.50	1		06/08/15 18:13	106-46-7	
2,2-Dichloropropane	ND	ug/L	1.0	1		06/08/15 18:13	594-20-7	
2-Butanone (MEK)	ND	ug/L	5.0	1		06/08/15 18:13	78-93-3	
2-Chlorotoluene	ND	ug/L	0.50	1		06/08/15 18:13	95-49-8	
4-Chlorotoluene	ND	ug/L	0.50	1		06/08/15 18:13	106-43-4	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	1		06/08/15 18:13	108-10-1	
Acetone	ND	ug/L	20.0	1		06/08/15 18:13	67-64-1	
Allyl chloride	ND	ug/L	4.0	1		06/08/15 18:13	107-05-1	
Benzene	ND	ug/L	0.50	1		06/08/15 18:13	71-43-2	
Bromobenzene	ND	ug/L	0.50	1		06/08/15 18:13	108-86-1	
Bromochloromethane	ND	ug/L	1.0	1		06/08/15 18:13	74-97-5	
Bromodichloromethane	ND	ug/L	0.50	1		06/08/15 18:13	75-27-4	
Bromoform	ND	ug/L	4.0	1		06/08/15 18:13	75-25-2	
Bromomethane	ND	ug/L	10.0	1		06/08/15 18:13	74-83-9	
Carbon tetrachloride	ND	ug/L	1.0	1		06/08/15 18:13	56-23-5	
Chlorobenzene	ND	ug/L	0.50	1		06/08/15 18:13	108-90-7	
Chloroethane	ND	ug/L	1.0	1		06/08/15 18:13	75-00-3	
Chloroform	ND	ug/L	1.0	1		06/08/15 18:13	67-66-3	
Chloromethane	ND	ug/L	4.0	1		06/08/15 18:13	74-87-3	
Dibromochloromethane	ND	ug/L	0.50	1		06/08/15 18:13	124-48-1	
Dibromomethane	ND	ug/L	1.0	1		06/08/15 18:13	74-95-3	
Dichlorodifluoromethane	ND	ug/L	1.0	1		06/08/15 18:13	75-71-8	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
1700 Elm Street - Suite 200
Minneapolis, MN 55414
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ANALYTICAL RESULTS

Project: 062175-03-Pro-Coat Q4
Pace Project No.: 10308544

Sample: MW-5 **Lab ID: 10308544005** Collected: 06/01/15 08:45 Received: 06/02/15 09:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV Low Level	Analytical Method: EPA 8260B							
Dichlorofluoromethane	ND	ug/L	1.0	1		06/08/15 18:13	75-43-4	
Diethyl ether (Ethyl ether)	ND	ug/L	4.0	1		06/08/15 18:13	60-29-7	
Ethylbenzene	ND	ug/L	0.50	1		06/08/15 18:13	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	1.0	1		06/08/15 18:13	87-68-3	
Isopropylbenzene (Cumene)	ND	ug/L	0.50	1		06/08/15 18:13	98-82-8	
Methyl-tert-butyl ether	ND	ug/L	0.50	1		06/08/15 18:13	1634-04-4	
Methylene Chloride	ND	ug/L	4.0	1		06/08/15 18:13	75-09-2	
Naphthalene	ND	ug/L	1.0	1		06/08/15 18:13	91-20-3	
Styrene	ND	ug/L	0.50	1		06/08/15 18:13	100-42-5	
Tetrachloroethene	ND	ug/L	0.50	1		06/08/15 18:13	127-18-4	
Tetrahydrofuran	ND	ug/L	10.0	1		06/08/15 18:13	109-99-9	
Toluene	ND	ug/L	0.50	1		06/08/15 18:13	108-88-3	
Trichloroethene	ND	ug/L	0.40	1		06/08/15 18:13	79-01-6	
Trichlorofluoromethane	ND	ug/L	0.50	1		06/08/15 18:13	75-69-4	
Vinyl chloride	ND	ug/L	0.20	1		06/08/15 18:13	75-01-4	
Xylene (Total)	ND	ug/L	1.5	1		06/08/15 18:13	1330-20-7	
cis-1,2-Dichloroethene	ND	ug/L	0.50	1		06/08/15 18:13	156-59-2	
cis-1,3-Dichloropropene	ND	ug/L	0.50	1		06/08/15 18:13	10061-01-5	
m&p-Xylene	ND	ug/L	1.0	1		06/08/15 18:13	179601-23-1	
n-Butylbenzene	ND	ug/L	0.50	1		06/08/15 18:13	104-51-8	
n-Propylbenzene	ND	ug/L	0.50	1		06/08/15 18:13	103-65-1	
o-Xylene	ND	ug/L	0.50	1		06/08/15 18:13	95-47-6	
p-Isopropyltoluene	ND	ug/L	0.50	1		06/08/15 18:13	99-87-6	
sec-Butylbenzene	ND	ug/L	0.50	1		06/08/15 18:13	135-98-8	
tert-Butylbenzene	ND	ug/L	0.50	1		06/08/15 18:13	98-06-6	
trans-1,2-Dichloroethene	ND	ug/L	0.50	1		06/08/15 18:13	156-60-5	
trans-1,3-Dichloropropene	ND	ug/L	0.50	1		06/08/15 18:13	10061-02-6	
Surrogates								
1,2-Dichloroethane-d4 (S)	125	%.	75-125	1		06/08/15 18:13	17060-07-0	
Toluene-d8 (S)	109	%.	75-125	1		06/08/15 18:13	2037-26-5	
4-Bromofluorobenzene (S)	109	%.	75-125	1		06/08/15 18:13	460-00-4	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 062175-03-Pro-Coat Q4
Pace Project No.: 10308544

Sample: MW-6 **Lab ID: 10308544006** Collected: 06/01/15 10:28 Received: 06/02/15 09:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6020A MET ICPMS, Lab Filtered	Analytical Method: EPA 6020A Preparation Method: EPA 3020							
Arsenic, Dissolved	**89.6**	ug/L	0.50	1	06/04/15 10:10	06/05/15 13:19	7440-38-2	
Cadmium, Dissolved	ND	ug/L	0.080	1	06/04/15 10:10	06/05/15 13:19	7440-43-9	
Chromium, Dissolved	**4.0**	ug/L	0.50	1	06/04/15 10:10	06/05/15 13:19	7440-47-3	
8260B MSV Low Level	Analytical Method: EPA 8260B							
1,1,1,2-Tetrachloroethane	ND	ug/L	0.50	1		06/09/15 20:17	630-20-6	
1,1,1-Trichloroethane	ND	ug/L	1.0	1		06/09/15 20:17	71-55-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	0.50	1		06/09/15 20:17	79-34-5	
1,1,2-Trichloroethane	ND	ug/L	0.50	1		06/09/15 20:17	79-00-5	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	1.0	1		06/09/15 20:17	76-13-1	
1,1-Dichloroethane	ND	ug/L	0.50	1		06/09/15 20:17	75-34-3	
1,1-Dichloroethene	ND	ug/L	0.50	1		06/09/15 20:17	75-35-4	
1,1-Dichloropropene	ND	ug/L	0.50	1		06/09/15 20:17	563-58-6	
1,2,3-Trichlorobenzene	ND	ug/L	0.50	1		06/09/15 20:17	87-61-6	
1,2,3-Trichloropropane	ND	ug/L	4.0	1		06/09/15 20:17	96-18-4	
1,2,4-Trichlorobenzene	ND	ug/L	0.50	1		06/09/15 20:17	120-82-1	
1,2,4-Trimethylbenzene	ND	ug/L	0.50	1		06/09/15 20:17	95-63-6	
1,2-Dibromo-3-chloropropane	ND	ug/L	4.0	1		06/09/15 20:17	96-12-8	
1,2-Dibromoethane (EDB)	ND	ug/L	0.50	1		06/09/15 20:17	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	0.50	1		06/09/15 20:17	95-50-1	
1,2-Dichloroethane	ND	ug/L	0.50	1		06/09/15 20:17	107-06-2	
1,2-Dichloropropane	ND	ug/L	4.0	1		06/09/15 20:17	78-87-5	
1,3,5-Trimethylbenzene	ND	ug/L	0.50	1		06/09/15 20:17	108-67-8	
1,3-Dichlorobenzene	ND	ug/L	0.50	1		06/09/15 20:17	541-73-1	
1,3-Dichloropropane	ND	ug/L	0.50	1		06/09/15 20:17	142-28-9	
1,4-Dichlorobenzene	ND	ug/L	0.50	1		06/09/15 20:17	106-46-7	
2,2-Dichloropropane	ND	ug/L	1.0	1		06/09/15 20:17	594-20-7	
2-Butanone (MEK)	ND	ug/L	5.0	1		06/09/15 20:17	78-93-3	
2-Chlorotoluene	ND	ug/L	0.50	1		06/09/15 20:17	95-49-8	
4-Chlorotoluene	ND	ug/L	0.50	1		06/09/15 20:17	106-43-4	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	1		06/09/15 20:17	108-10-1	
Acetone	ND	ug/L	20.0	1		06/09/15 20:17	67-64-1	
Allyl chloride	ND	ug/L	4.0	1		06/09/15 20:17	107-05-1	
Benzene	ND	ug/L	0.50	1		06/09/15 20:17	71-43-2	
Bromobenzene	ND	ug/L	0.50	1		06/09/15 20:17	108-86-1	
Bromochloromethane	ND	ug/L	1.0	1		06/09/15 20:17	74-97-5	
Bromodichloromethane	ND	ug/L	0.50	1		06/09/15 20:17	75-27-4	
Bromoform	ND	ug/L	4.0	1		06/09/15 20:17	75-25-2	
Bromomethane	ND	ug/L	4.0	1		06/09/15 20:17	74-83-9	
Carbon tetrachloride	ND	ug/L	1.0	1		06/09/15 20:17	56-23-5	
Chlorobenzene	ND	ug/L	0.50	1		06/09/15 20:17	108-90-7	
Chloroethane	ND	ug/L	1.0	1		06/09/15 20:17	75-00-3	
Chloroform	ND	ug/L	1.0	1		06/09/15 20:17	67-66-3	
Chloromethane	ND	ug/L	4.0	1		06/09/15 20:17	74-87-3	
Dibromochloromethane	ND	ug/L	0.50	1		06/09/15 20:17	124-48-1	
Dibromomethane	ND	ug/L	1.0	1		06/09/15 20:17	74-95-3	
Dichlorodifluoromethane	ND	ug/L	1.0	1		06/09/15 20:17	75-71-8	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 062175-03-Pro-Coat Q4
Pace Project No.: 10308544

Sample: MW-6 **Lab ID: 10308544006** Collected: 06/01/15 10:28 Received: 06/02/15 09:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV Low Level	Analytical Method: EPA 8260B							
Dichlorofluoromethane	ND	ug/L	1.0	1		06/09/15 20:17	75-43-4	
Diethyl ether (Ethyl ether)	ND	ug/L	4.0	1		06/09/15 20:17	60-29-7	
Ethylbenzene	ND	ug/L	0.50	1		06/09/15 20:17	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	1.0	1		06/09/15 20:17	87-68-3	
Isopropylbenzene (Cumene)	ND	ug/L	0.50	1		06/09/15 20:17	98-82-8	
Methyl-tert-butyl ether	ND	ug/L	0.50	1		06/09/15 20:17	1634-04-4	
Methylene Chloride	ND	ug/L	4.0	1		06/09/15 20:17	75-09-2	
Naphthalene	ND	ug/L	1.0	1		06/09/15 20:17	91-20-3	
Styrene	ND	ug/L	0.50	1		06/09/15 20:17	100-42-5	
Tetrachloroethene	ND	ug/L	0.50	1		06/09/15 20:17	127-18-4	
Tetrahydrofuran	ND	ug/L	10.0	1		06/09/15 20:17	109-99-9	
Toluene	ND	ug/L	0.50	1		06/09/15 20:17	108-88-3	
Trichloroethene	ND	ug/L	0.40	1		06/09/15 20:17	79-01-6	
Trichlorofluoromethane	ND	ug/L	0.50	1		06/09/15 20:17	75-69-4	
Vinyl chloride	ND	ug/L	0.40	1		06/09/15 20:17	75-01-4	
Xylene (Total)	ND	ug/L	1.5	1		06/09/15 20:17	1330-20-7	
cis-1,2-Dichloroethene	**2.2**	ug/L	0.50	1		06/09/15 20:17	156-59-2	
cis-1,3-Dichloropropene	ND	ug/L	0.50	1		06/09/15 20:17	10061-01-5	
m&p-Xylene	ND	ug/L	1.0	1		06/09/15 20:17	179601-23-1	
n-Butylbenzene	ND	ug/L	0.50	1		06/09/15 20:17	104-51-8	
n-Propylbenzene	ND	ug/L	0.50	1		06/09/15 20:17	103-65-1	
o-Xylene	ND	ug/L	0.50	1		06/09/15 20:17	95-47-6	
p-Isopropyltoluene	ND	ug/L	0.50	1		06/09/15 20:17	99-87-6	
sec-Butylbenzene	ND	ug/L	0.50	1		06/09/15 20:17	135-98-8	
tert-Butylbenzene	ND	ug/L	0.50	1		06/09/15 20:17	98-06-6	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		06/09/15 20:17	156-60-5	
trans-1,3-Dichloropropene	ND	ug/L	0.50	1		06/09/15 20:17	10061-02-6	
Surrogates								
1,2-Dichloroethane-d4 (S)	97	%.	75-125	1		06/09/15 20:17	17060-07-0	
Toluene-d8 (S)	98	%.	75-125	1		06/09/15 20:17	2037-26-5	
4-Bromofluorobenzene (S)	99	%.	75-125	1		06/09/15 20:17	460-00-4	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 062175-03-Pro-Coat Q4
Pace Project No.: 10308544

Sample: MW-7 **Lab ID: 10308544007** Collected: 06/01/15 10:55 Received: 06/02/15 09:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6020A MET ICPMS, Lab Filtered	Analytical Method: EPA 6020A Preparation Method: EPA 3020							
Arsenic, Dissolved	**41.9**	ug/L	0.50	1	06/04/15 10:10	06/05/15 13:22	7440-38-2	
Cadmium, Dissolved	ND	ug/L	0.080	1	06/04/15 10:10	06/05/15 13:22	7440-43-9	
Chromium, Dissolved	**1.5**	ug/L	0.50	1	06/04/15 10:10	06/05/15 13:22	7440-47-3	
8260B MSV Low Level	Analytical Method: EPA 8260B							
1,1,1,2-Tetrachloroethane	ND	ug/L	0.50	1		06/09/15 20:31	630-20-6	
1,1,1-Trichloroethane	ND	ug/L	1.0	1		06/09/15 20:31	71-55-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	0.50	1		06/09/15 20:31	79-34-5	
1,1,2-Trichloroethane	ND	ug/L	0.50	1		06/09/15 20:31	79-00-5	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	1.0	1		06/09/15 20:31	76-13-1	
1,1-Dichloroethane	ND	ug/L	0.50	1		06/09/15 20:31	75-34-3	
1,1-Dichloroethene	ND	ug/L	0.50	1		06/09/15 20:31	75-35-4	
1,1-Dichloropropene	ND	ug/L	0.50	1		06/09/15 20:31	563-58-6	
1,2,3-Trichlorobenzene	ND	ug/L	0.50	1		06/09/15 20:31	87-61-6	
1,2,3-Trichloropropane	ND	ug/L	4.0	1		06/09/15 20:31	96-18-4	
1,2,4-Trichlorobenzene	ND	ug/L	0.50	1		06/09/15 20:31	120-82-1	
1,2,4-Trimethylbenzene	ND	ug/L	0.50	1		06/09/15 20:31	95-63-6	
1,2-Dibromo-3-chloropropane	ND	ug/L	4.0	1		06/09/15 20:31	96-12-8	
1,2-Dibromoethane (EDB)	ND	ug/L	0.50	1		06/09/15 20:31	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	0.50	1		06/09/15 20:31	95-50-1	
1,2-Dichloroethane	ND	ug/L	0.50	1		06/09/15 20:31	107-06-2	
1,2-Dichloropropane	ND	ug/L	4.0	1		06/09/15 20:31	78-87-5	
1,3,5-Trimethylbenzene	ND	ug/L	0.50	1		06/09/15 20:31	108-67-8	
1,3-Dichlorobenzene	ND	ug/L	0.50	1		06/09/15 20:31	541-73-1	
1,3-Dichloropropane	ND	ug/L	0.50	1		06/09/15 20:31	142-28-9	
1,4-Dichlorobenzene	ND	ug/L	0.50	1		06/09/15 20:31	106-46-7	
2,2-Dichloropropane	ND	ug/L	1.0	1		06/09/15 20:31	594-20-7	
2-Butanone (MEK)	ND	ug/L	5.0	1		06/09/15 20:31	78-93-3	
2-Chlorotoluene	ND	ug/L	0.50	1		06/09/15 20:31	95-49-8	
4-Chlorotoluene	ND	ug/L	0.50	1		06/09/15 20:31	106-43-4	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	1		06/09/15 20:31	108-10-1	
Acetone	ND	ug/L	20.0	1		06/09/15 20:31	67-64-1	
Allyl chloride	ND	ug/L	4.0	1		06/09/15 20:31	107-05-1	
Benzene	ND	ug/L	0.50	1		06/09/15 20:31	71-43-2	
Bromobenzene	ND	ug/L	0.50	1		06/09/15 20:31	108-86-1	
Bromochloromethane	ND	ug/L	1.0	1		06/09/15 20:31	74-97-5	
Bromodichloromethane	ND	ug/L	0.50	1		06/09/15 20:31	75-27-4	
Bromoform	ND	ug/L	4.0	1		06/09/15 20:31	75-25-2	
Bromomethane	ND	ug/L	4.0	1		06/09/15 20:31	74-83-9	
Carbon tetrachloride	ND	ug/L	1.0	1		06/09/15 20:31	56-23-5	
Chlorobenzene	ND	ug/L	0.50	1		06/09/15 20:31	108-90-7	
Chloroethane	ND	ug/L	1.0	1		06/09/15 20:31	75-00-3	
Chloroform	ND	ug/L	1.0	1		06/09/15 20:31	67-66-3	
Chloromethane	ND	ug/L	4.0	1		06/09/15 20:31	74-87-3	
Dibromochloromethane	ND	ug/L	0.50	1		06/09/15 20:31	124-48-1	
Dibromomethane	ND	ug/L	1.0	1		06/09/15 20:31	74-95-3	
Dichlorodifluoromethane	ND	ug/L	1.0	1		06/09/15 20:31	75-71-8	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 062175-03-Pro-Coat Q4
Pace Project No.: 10308544

Sample: MW-7 **Lab ID: 10308544007** Collected: 06/01/15 10:55 Received: 06/02/15 09:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV Low Level	Analytical Method: EPA 8260B							
Dichlorofluoromethane	ND	ug/L	1.0	1		06/09/15 20:31	75-43-4	
Diethyl ether (Ethyl ether)	ND	ug/L	4.0	1		06/09/15 20:31	60-29-7	
Ethylbenzene	ND	ug/L	0.50	1		06/09/15 20:31	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	1.0	1		06/09/15 20:31	87-68-3	
Isopropylbenzene (Cumene)	ND	ug/L	0.50	1		06/09/15 20:31	98-82-8	
Methyl-tert-butyl ether	ND	ug/L	0.50	1		06/09/15 20:31	1634-04-4	
Methylene Chloride	ND	ug/L	4.0	1		06/09/15 20:31	75-09-2	
Naphthalene	ND	ug/L	1.0	1		06/09/15 20:31	91-20-3	
Styrene	ND	ug/L	0.50	1		06/09/15 20:31	100-42-5	
Tetrachloroethene	ND	ug/L	0.50	1		06/09/15 20:31	127-18-4	
Tetrahydrofuran	ND	ug/L	10.0	1		06/09/15 20:31	109-99-9	
Toluene	ND	ug/L	0.50	1		06/09/15 20:31	108-88-3	
Trichloroethene	ND	ug/L	0.40	1		06/09/15 20:31	79-01-6	
Trichlorofluoromethane	ND	ug/L	0.50	1		06/09/15 20:31	75-69-4	
Vinyl chloride	ND	ug/L	0.40	1		06/09/15 20:31	75-01-4	
Xylene (Total)	ND	ug/L	1.5	1		06/09/15 20:31	1330-20-7	
cis-1,2-Dichloroethene	**0.72**	ug/L	0.50	1		06/09/15 20:31	156-59-2	
cis-1,3-Dichloropropene	ND	ug/L	0.50	1		06/09/15 20:31	10061-01-5	
m&p-Xylene	ND	ug/L	1.0	1		06/09/15 20:31	179601-23-1	
n-Butylbenzene	ND	ug/L	0.50	1		06/09/15 20:31	104-51-8	
n-Propylbenzene	ND	ug/L	0.50	1		06/09/15 20:31	103-65-1	
o-Xylene	ND	ug/L	0.50	1		06/09/15 20:31	95-47-6	
p-Isopropyltoluene	ND	ug/L	0.50	1		06/09/15 20:31	99-87-6	
sec-Butylbenzene	ND	ug/L	0.50	1		06/09/15 20:31	135-98-8	
tert-Butylbenzene	ND	ug/L	0.50	1		06/09/15 20:31	98-06-6	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		06/09/15 20:31	156-60-5	
trans-1,3-Dichloropropene	ND	ug/L	0.50	1		06/09/15 20:31	10061-02-6	
Surrogates								
1,2-Dichloroethane-d4 (S)	96	%.	75-125	1		06/09/15 20:31	17060-07-0	
Toluene-d8 (S)	94	%.	75-125	1		06/09/15 20:31	2037-26-5	
4-Bromofluorobenzene (S)	97	%.	75-125	1		06/09/15 20:31	460-00-4	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 062175-03-Pro-Coat Q4
Pace Project No.: 10308544

Sample: MW-8 **Lab ID: 10308544008** Collected: 06/01/15 11:24 Received: 06/02/15 09:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6020A MET ICPMS, Lab Filtered	Analytical Method: EPA 6020A Preparation Method: EPA 3020							
Arsenic, Dissolved	**47.8**	ug/L	0.50	1	06/04/15 10:10	06/05/15 13:25	7440-38-2	
Cadmium, Dissolved	ND	ug/L	0.080	1	06/04/15 10:10	06/05/15 13:25	7440-43-9	
Chromium, Dissolved	**3.6**	ug/L	0.50	1	06/04/15 10:10	06/05/15 13:25	7440-47-3	
8260B MSV Low Level	Analytical Method: EPA 8260B							
1,1,1,2-Tetrachloroethane	ND	ug/L	0.50	1		06/09/15 20:46	630-20-6	
1,1,1-Trichloroethane	ND	ug/L	1.0	1		06/09/15 20:46	71-55-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	0.50	1		06/09/15 20:46	79-34-5	
1,1,2-Trichloroethane	ND	ug/L	0.50	1		06/09/15 20:46	79-00-5	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	1.0	1		06/09/15 20:46	76-13-1	
1,1-Dichloroethane	ND	ug/L	0.50	1		06/09/15 20:46	75-34-3	
1,1-Dichloroethene	ND	ug/L	0.50	1		06/09/15 20:46	75-35-4	
1,1-Dichloropropene	ND	ug/L	0.50	1		06/09/15 20:46	563-58-6	
1,2,3-Trichlorobenzene	ND	ug/L	0.50	1		06/09/15 20:46	87-61-6	
1,2,3-Trichloropropane	ND	ug/L	4.0	1		06/09/15 20:46	96-18-4	
1,2,4-Trichlorobenzene	ND	ug/L	0.50	1		06/09/15 20:46	120-82-1	
1,2,4-Trimethylbenzene	ND	ug/L	0.50	1		06/09/15 20:46	95-63-6	
1,2-Dibromo-3-chloropropane	ND	ug/L	4.0	1		06/09/15 20:46	96-12-8	
1,2-Dibromoethane (EDB)	ND	ug/L	0.50	1		06/09/15 20:46	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	0.50	1		06/09/15 20:46	95-50-1	
1,2-Dichloroethane	ND	ug/L	0.50	1		06/09/15 20:46	107-06-2	
1,2-Dichloropropane	ND	ug/L	4.0	1		06/09/15 20:46	78-87-5	
1,3,5-Trimethylbenzene	ND	ug/L	0.50	1		06/09/15 20:46	108-67-8	
1,3-Dichlorobenzene	ND	ug/L	0.50	1		06/09/15 20:46	541-73-1	
1,3-Dichloropropane	ND	ug/L	0.50	1		06/09/15 20:46	142-28-9	
1,4-Dichlorobenzene	ND	ug/L	0.50	1		06/09/15 20:46	106-46-7	
2,2-Dichloropropane	ND	ug/L	1.0	1		06/09/15 20:46	594-20-7	
2-Butanone (MEK)	ND	ug/L	5.0	1		06/09/15 20:46	78-93-3	
2-Chlorotoluene	ND	ug/L	0.50	1		06/09/15 20:46	95-49-8	
4-Chlorotoluene	ND	ug/L	0.50	1		06/09/15 20:46	106-43-4	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	1		06/09/15 20:46	108-10-1	
Acetone	ND	ug/L	20.0	1		06/09/15 20:46	67-64-1	
Allyl chloride	ND	ug/L	4.0	1		06/09/15 20:46	107-05-1	
Benzene	ND	ug/L	0.50	1		06/09/15 20:46	71-43-2	
Bromobenzene	ND	ug/L	0.50	1		06/09/15 20:46	108-86-1	
Bromochloromethane	ND	ug/L	1.0	1		06/09/15 20:46	74-97-5	
Bromodichloromethane	ND	ug/L	0.50	1		06/09/15 20:46	75-27-4	
Bromoform	ND	ug/L	4.0	1		06/09/15 20:46	75-25-2	
Bromomethane	ND	ug/L	4.0	1		06/09/15 20:46	74-83-9	
Carbon tetrachloride	ND	ug/L	1.0	1		06/09/15 20:46	56-23-5	
Chlorobenzene	ND	ug/L	0.50	1		06/09/15 20:46	108-90-7	
Chloroethane	ND	ug/L	1.0	1		06/09/15 20:46	75-00-3	
Chloroform	ND	ug/L	1.0	1		06/09/15 20:46	67-66-3	
Chloromethane	ND	ug/L	4.0	1		06/09/15 20:46	74-87-3	
Dibromochloromethane	ND	ug/L	0.50	1		06/09/15 20:46	124-48-1	
Dibromomethane	ND	ug/L	1.0	1		06/09/15 20:46	74-95-3	
Dichlorodifluoromethane	ND	ug/L	1.0	1		06/09/15 20:46	75-71-8	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 062175-03-Pro-Coat Q4
Pace Project No.: 10308544

Sample: MW-8 **Lab ID: 10308544008** Collected: 06/01/15 11:24 Received: 06/02/15 09:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV Low Level	Analytical Method: EPA 8260B							
Dichlorofluoromethane	ND	ug/L	1.0	1		06/09/15 20:46	75-43-4	
Diethyl ether (Ethyl ether)	ND	ug/L	4.0	1		06/09/15 20:46	60-29-7	
Ethylbenzene	ND	ug/L	0.50	1		06/09/15 20:46	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	1.0	1		06/09/15 20:46	87-68-3	
Isopropylbenzene (Cumene)	ND	ug/L	0.50	1		06/09/15 20:46	98-82-8	
Methyl-tert-butyl ether	ND	ug/L	0.50	1		06/09/15 20:46	1634-04-4	
Methylene Chloride	ND	ug/L	4.0	1		06/09/15 20:46	75-09-2	
Naphthalene	ND	ug/L	1.0	1		06/09/15 20:46	91-20-3	
Styrene	ND	ug/L	0.50	1		06/09/15 20:46	100-42-5	
Tetrachloroethene	ND	ug/L	0.50	1		06/09/15 20:46	127-18-4	
Tetrahydrofuran	ND	ug/L	10.0	1		06/09/15 20:46	109-99-9	
Toluene	ND	ug/L	0.50	1		06/09/15 20:46	108-88-3	
Trichloroethene	ND	ug/L	0.40	1		06/09/15 20:46	79-01-6	
Trichlorofluoromethane	ND	ug/L	0.50	1		06/09/15 20:46	75-69-4	
Vinyl chloride	ND	ug/L	0.40	1		06/09/15 20:46	75-01-4	
Xylene (Total)	ND	ug/L	1.5	1		06/09/15 20:46	1330-20-7	
cis-1,2-Dichloroethene	ND	ug/L	0.50	1		06/09/15 20:46	156-59-2	
cis-1,3-Dichloropropene	ND	ug/L	0.50	1		06/09/15 20:46	10061-01-5	
m&p-Xylene	ND	ug/L	1.0	1		06/09/15 20:46	179601-23-1	
n-Butylbenzene	ND	ug/L	0.50	1		06/09/15 20:46	104-51-8	
n-Propylbenzene	ND	ug/L	0.50	1		06/09/15 20:46	103-65-1	
o-Xylene	ND	ug/L	0.50	1		06/09/15 20:46	95-47-6	
p-Isopropyltoluene	ND	ug/L	0.50	1		06/09/15 20:46	99-87-6	
sec-Butylbenzene	ND	ug/L	0.50	1		06/09/15 20:46	135-98-8	
tert-Butylbenzene	ND	ug/L	0.50	1		06/09/15 20:46	98-06-6	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		06/09/15 20:46	156-60-5	
trans-1,3-Dichloropropene	ND	ug/L	0.50	1		06/09/15 20:46	10061-02-6	
Surrogates								
1,2-Dichloroethane-d4 (S)	100	%.	75-125	1		06/09/15 20:46	17060-07-0	
Toluene-d8 (S)	96	%.	75-125	1		06/09/15 20:46	2037-26-5	
4-Bromofluorobenzene (S)	97	%.	75-125	1		06/09/15 20:46	460-00-4	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 062175-03-Pro-Coat Q4
Pace Project No.: 10308544

Sample: MW-9 **Lab ID: 10308544009** Collected: 06/01/15 12:02 Received: 06/02/15 09:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6020A MET ICPMS, Lab Filtered	Analytical Method: EPA 6020A Preparation Method: EPA 3020							
Arsenic, Dissolved	**59.2**	ug/L	0.50	1	06/04/15 10:10	06/05/15 13:28	7440-38-2	
Cadmium, Dissolved	ND	ug/L	0.080	1	06/04/15 10:10	06/05/15 13:28	7440-43-9	
Chromium, Dissolved	**3.4**	ug/L	0.50	1	06/04/15 10:10	06/05/15 13:28	7440-47-3	
8260B MSV Low Level	Analytical Method: EPA 8260B							
1,1,1,2-Tetrachloroethane	ND	ug/L	0.50	1		06/08/15 20:00	630-20-6	
1,1,1-Trichloroethane	ND	ug/L	0.50	1		06/08/15 20:00	71-55-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	0.50	1		06/08/15 20:00	79-34-5	
1,1,2-Trichloroethane	ND	ug/L	0.50	1		06/08/15 20:00	79-00-5	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	1.0	1		06/08/15 20:00	76-13-1	
1,1-Dichloroethane	ND	ug/L	0.50	1		06/08/15 20:00	75-34-3	
1,1-Dichloroethene	ND	ug/L	0.50	1		06/08/15 20:00	75-35-4	
1,1-Dichloropropene	ND	ug/L	0.50	1		06/08/15 20:00	563-58-6	
1,2,3-Trichlorobenzene	ND	ug/L	0.50	1		06/08/15 20:00	87-61-6	
1,2,3-Trichloropropane	ND	ug/L	4.0	1		06/08/15 20:00	96-18-4	
1,2,4-Trichlorobenzene	ND	ug/L	0.50	1		06/08/15 20:00	120-82-1	
1,2,4-Trimethylbenzene	ND	ug/L	0.50	1		06/08/15 20:00	95-63-6	
1,2-Dibromo-3-chloropropane	ND	ug/L	4.0	1		06/08/15 20:00	96-12-8	
1,2-Dibromoethane (EDB)	ND	ug/L	0.50	1		06/08/15 20:00	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	0.50	1		06/08/15 20:00	95-50-1	
1,2-Dichloroethane	ND	ug/L	0.50	1		06/08/15 20:00	107-06-2	
1,2-Dichloropropane	ND	ug/L	4.0	1		06/08/15 20:00	78-87-5	
1,3,5-Trimethylbenzene	ND	ug/L	0.50	1		06/08/15 20:00	108-67-8	
1,3-Dichlorobenzene	ND	ug/L	0.50	1		06/08/15 20:00	541-73-1	
1,3-Dichloropropane	ND	ug/L	0.50	1		06/08/15 20:00	142-28-9	
1,4-Dichlorobenzene	ND	ug/L	0.50	1		06/08/15 20:00	106-46-7	
2,2-Dichloropropane	ND	ug/L	1.0	1		06/08/15 20:00	594-20-7	
2-Butanone (MEK)	ND	ug/L	5.0	1		06/08/15 20:00	78-93-3	
2-Chlorotoluene	ND	ug/L	0.50	1		06/08/15 20:00	95-49-8	
4-Chlorotoluene	ND	ug/L	0.50	1		06/08/15 20:00	106-43-4	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	1		06/08/15 20:00	108-10-1	
Acetone	ND	ug/L	20.0	1		06/08/15 20:00	67-64-1	
Allyl chloride	ND	ug/L	4.0	1		06/08/15 20:00	107-05-1	
Benzene	ND	ug/L	0.50	1		06/08/15 20:00	71-43-2	
Bromobenzene	ND	ug/L	0.50	1		06/08/15 20:00	108-86-1	
Bromochloromethane	ND	ug/L	1.0	1		06/08/15 20:00	74-97-5	
Bromodichloromethane	ND	ug/L	0.50	1		06/08/15 20:00	75-27-4	
Bromoform	ND	ug/L	4.0	1		06/08/15 20:00	75-25-2	
Bromomethane	ND	ug/L	10.0	1		06/08/15 20:00	74-83-9	
Carbon tetrachloride	ND	ug/L	1.0	1		06/08/15 20:00	56-23-5	
Chlorobenzene	ND	ug/L	0.50	1		06/08/15 20:00	108-90-7	
Chloroethane	ND	ug/L	1.0	1		06/08/15 20:00	75-00-3	
Chloroform	ND	ug/L	1.0	1		06/08/15 20:00	67-66-3	
Chloromethane	ND	ug/L	4.0	1		06/08/15 20:00	74-87-3	
Dibromochloromethane	ND	ug/L	0.50	1		06/08/15 20:00	124-48-1	
Dibromomethane	ND	ug/L	1.0	1		06/08/15 20:00	74-95-3	
Dichlorodifluoromethane	ND	ug/L	1.0	1		06/08/15 20:00	75-71-8	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 062175-03-Pro-Coat Q4
Pace Project No.: 10308544

Sample: MW-9 **Lab ID: 10308544009** Collected: 06/01/15 12:02 Received: 06/02/15 09:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV Low Level	Analytical Method: EPA 8260B							
Dichlorofluoromethane	ND	ug/L	1.0	1		06/08/15 20:00	75-43-4	
Diethyl ether (Ethyl ether)	ND	ug/L	4.0	1		06/08/15 20:00	60-29-7	
Ethylbenzene	ND	ug/L	0.50	1		06/08/15 20:00	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	1.0	1		06/08/15 20:00	87-68-3	
Isopropylbenzene (Cumene)	ND	ug/L	0.50	1		06/08/15 20:00	98-82-8	
Methyl-tert-butyl ether	ND	ug/L	0.50	1		06/08/15 20:00	1634-04-4	
Methylene Chloride	ND	ug/L	4.0	1		06/08/15 20:00	75-09-2	
Naphthalene	ND	ug/L	1.0	1		06/08/15 20:00	91-20-3	
Styrene	ND	ug/L	0.50	1		06/08/15 20:00	100-42-5	
Tetrachloroethene	ND	ug/L	0.50	1		06/08/15 20:00	127-18-4	
Tetrahydrofuran	ND	ug/L	10.0	1		06/08/15 20:00	109-99-9	
Toluene	ND	ug/L	0.50	1		06/08/15 20:00	108-88-3	
Trichloroethene	ND	ug/L	0.40	1		06/08/15 20:00	79-01-6	
Trichlorofluoromethane	ND	ug/L	0.50	1		06/08/15 20:00	75-69-4	
Vinyl chloride	ND	ug/L	0.20	1		06/08/15 20:00	75-01-4	
Xylene (Total)	ND	ug/L	1.5	1		06/08/15 20:00	1330-20-7	
cis-1,2-Dichloroethene	ND	ug/L	0.50	1		06/08/15 20:00	156-59-2	
cis-1,3-Dichloropropene	ND	ug/L	0.50	1		06/08/15 20:00	10061-01-5	
m&p-Xylene	ND	ug/L	1.0	1		06/08/15 20:00	179601-23-1	
n-Butylbenzene	ND	ug/L	0.50	1		06/08/15 20:00	104-51-8	
n-Propylbenzene	ND	ug/L	0.50	1		06/08/15 20:00	103-65-1	
o-Xylene	ND	ug/L	0.50	1		06/08/15 20:00	95-47-6	
p-Isopropyltoluene	ND	ug/L	0.50	1		06/08/15 20:00	99-87-6	
sec-Butylbenzene	ND	ug/L	0.50	1		06/08/15 20:00	135-98-8	
tert-Butylbenzene	ND	ug/L	0.50	1		06/08/15 20:00	98-06-6	
trans-1,2-Dichloroethene	ND	ug/L	0.50	1		06/08/15 20:00	156-60-5	
trans-1,3-Dichloropropene	ND	ug/L	0.50	1		06/08/15 20:00	10061-02-6	
Surrogates								
1,2-Dichloroethane-d4 (S)	126	%.	75-125	1		06/08/15 20:00	17060-07-0	S3
Toluene-d8 (S)	107	%.	75-125	1		06/08/15 20:00	2037-26-5	
4-Bromofluorobenzene (S)	108	%.	75-125	1		06/08/15 20:00	460-00-4	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 062175-03-Pro-Coat Q4
Pace Project No.: 10308544

Sample: DUP-1 **Lab ID: 10308544010** Collected: 06/01/15 00:00 Received: 06/02/15 09:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6020A MET ICPMS, Lab Filtered	Analytical Method: EPA 6020A Preparation Method: EPA 3020							
Arsenic, Dissolved	**51.6**	ug/L	0.50	1	06/04/15 10:10	06/05/15 13:30	7440-38-2	
Cadmium, Dissolved	ND	ug/L	0.080	1	06/04/15 10:10	06/05/15 13:30	7440-43-9	
Chromium, Dissolved	**3.1**	ug/L	0.50	1	06/04/15 10:10	06/05/15 13:30	7440-47-3	
8260B MSV Low Level	Analytical Method: EPA 8260B							
1,1,1,2-Tetrachloroethane	ND	ug/L	0.50	1		06/08/15 20:26	630-20-6	
1,1,1-Trichloroethane	ND	ug/L	0.50	1		06/08/15 20:26	71-55-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	0.50	1		06/08/15 20:26	79-34-5	
1,1,2-Trichloroethane	ND	ug/L	0.50	1		06/08/15 20:26	79-00-5	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	1.0	1		06/08/15 20:26	76-13-1	
1,1-Dichloroethane	ND	ug/L	0.50	1		06/08/15 20:26	75-34-3	
1,1-Dichloroethene	ND	ug/L	0.50	1		06/08/15 20:26	75-35-4	
1,1-Dichloropropene	ND	ug/L	0.50	1		06/08/15 20:26	563-58-6	
1,2,3-Trichlorobenzene	ND	ug/L	0.50	1		06/08/15 20:26	87-61-6	
1,2,3-Trichloropropane	ND	ug/L	4.0	1		06/08/15 20:26	96-18-4	
1,2,4-Trichlorobenzene	ND	ug/L	0.50	1		06/08/15 20:26	120-82-1	
1,2,4-Trimethylbenzene	ND	ug/L	0.50	1		06/08/15 20:26	95-63-6	
1,2-Dibromo-3-chloropropane	ND	ug/L	4.0	1		06/08/15 20:26	96-12-8	
1,2-Dibromoethane (EDB)	ND	ug/L	0.50	1		06/08/15 20:26	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	0.50	1		06/08/15 20:26	95-50-1	
1,2-Dichloroethane	ND	ug/L	0.50	1		06/08/15 20:26	107-06-2	
1,2-Dichloropropane	ND	ug/L	4.0	1		06/08/15 20:26	78-87-5	
1,3,5-Trimethylbenzene	ND	ug/L	0.50	1		06/08/15 20:26	108-67-8	
1,3-Dichlorobenzene	ND	ug/L	0.50	1		06/08/15 20:26	541-73-1	
1,3-Dichloropropane	ND	ug/L	0.50	1		06/08/15 20:26	142-28-9	
1,4-Dichlorobenzene	ND	ug/L	0.50	1		06/08/15 20:26	106-46-7	
2,2-Dichloropropane	ND	ug/L	1.0	1		06/08/15 20:26	594-20-7	
2-Butanone (MEK)	ND	ug/L	5.0	1		06/08/15 20:26	78-93-3	
2-Chlorotoluene	ND	ug/L	0.50	1		06/08/15 20:26	95-49-8	
4-Chlorotoluene	ND	ug/L	0.50	1		06/08/15 20:26	106-43-4	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	1		06/08/15 20:26	108-10-1	
Acetone	ND	ug/L	20.0	1		06/08/15 20:26	67-64-1	
Allyl chloride	ND	ug/L	4.0	1		06/08/15 20:26	107-05-1	
Benzene	ND	ug/L	0.50	1		06/08/15 20:26	71-43-2	
Bromobenzene	ND	ug/L	0.50	1		06/08/15 20:26	108-86-1	
Bromochloromethane	ND	ug/L	1.0	1		06/08/15 20:26	74-97-5	
Bromodichloromethane	ND	ug/L	0.50	1		06/08/15 20:26	75-27-4	
Bromoform	ND	ug/L	4.0	1		06/08/15 20:26	75-25-2	
Bromomethane	ND	ug/L	10.0	1		06/08/15 20:26	74-83-9	
Carbon tetrachloride	ND	ug/L	1.0	1		06/08/15 20:26	56-23-5	
Chlorobenzene	ND	ug/L	0.50	1		06/08/15 20:26	108-90-7	
Chloroethane	ND	ug/L	1.0	1		06/08/15 20:26	75-00-3	
Chloroform	ND	ug/L	1.0	1		06/08/15 20:26	67-66-3	
Chloromethane	ND	ug/L	4.0	1		06/08/15 20:26	74-87-3	
Dibromochloromethane	ND	ug/L	0.50	1		06/08/15 20:26	124-48-1	
Dibromomethane	ND	ug/L	1.0	1		06/08/15 20:26	74-95-3	
Dichlorodifluoromethane	ND	ug/L	1.0	1		06/08/15 20:26	75-71-8	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 062175-03-Pro-Coat Q4
Pace Project No.: 10308544

Sample: DUP-1 **Lab ID: 10308544010** Collected: 06/01/15 00:00 Received: 06/02/15 09:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV Low Level	Analytical Method: EPA 8260B							
Dichlorofluoromethane	ND	ug/L	1.0	1		06/08/15 20:26	75-43-4	
Diethyl ether (Ethyl ether)	ND	ug/L	4.0	1		06/08/15 20:26	60-29-7	
Ethylbenzene	ND	ug/L	0.50	1		06/08/15 20:26	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	1.0	1		06/08/15 20:26	87-68-3	
Isopropylbenzene (Cumene)	ND	ug/L	0.50	1		06/08/15 20:26	98-82-8	
Methyl-tert-butyl ether	ND	ug/L	0.50	1		06/08/15 20:26	1634-04-4	
Methylene Chloride	ND	ug/L	4.0	1		06/08/15 20:26	75-09-2	
Naphthalene	ND	ug/L	1.0	1		06/08/15 20:26	91-20-3	
Styrene	ND	ug/L	0.50	1		06/08/15 20:26	100-42-5	
Tetrachloroethene	ND	ug/L	0.50	1		06/08/15 20:26	127-18-4	
Tetrahydrofuran	ND	ug/L	10.0	1		06/08/15 20:26	109-99-9	
Toluene	ND	ug/L	0.50	1		06/08/15 20:26	108-88-3	
Trichloroethene	ND	ug/L	0.40	1		06/08/15 20:26	79-01-6	
Trichlorofluoromethane	ND	ug/L	0.50	1		06/08/15 20:26	75-69-4	
Vinyl chloride	ND	ug/L	0.20	1		06/08/15 20:26	75-01-4	
Xylene (Total)	ND	ug/L	1.5	1		06/08/15 20:26	1330-20-7	
cis-1,2-Dichloroethene	ND	ug/L	0.50	1		06/08/15 20:26	156-59-2	
cis-1,3-Dichloropropene	ND	ug/L	0.50	1		06/08/15 20:26	10061-01-5	
m&p-Xylene	ND	ug/L	1.0	1		06/08/15 20:26	179601-23-1	
n-Butylbenzene	ND	ug/L	0.50	1		06/08/15 20:26	104-51-8	
n-Propylbenzene	ND	ug/L	0.50	1		06/08/15 20:26	103-65-1	
o-Xylene	ND	ug/L	0.50	1		06/08/15 20:26	95-47-6	
p-Isopropyltoluene	ND	ug/L	0.50	1		06/08/15 20:26	99-87-6	
sec-Butylbenzene	ND	ug/L	0.50	1		06/08/15 20:26	135-98-8	
tert-Butylbenzene	ND	ug/L	0.50	1		06/08/15 20:26	98-06-6	
trans-1,2-Dichloroethene	ND	ug/L	0.50	1		06/08/15 20:26	156-60-5	
trans-1,3-Dichloropropene	ND	ug/L	0.50	1		06/08/15 20:26	10061-02-6	
Surrogates								
1,2-Dichloroethane-d4 (S)	129	%.	75-125	1		06/08/15 20:26	17060-07-0	S3
Toluene-d8 (S)	109	%.	75-125	1		06/08/15 20:26	2037-26-5	
4-Bromofluorobenzene (S)	107	%.	75-125	1		06/08/15 20:26	460-00-4	

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ANALYTICAL RESULTS

Project: 062175-03-Pro-Coat Q4
Pace Project No.: 10308544

Sample: TB-1 **Lab ID: 10308544011** Collected: 06/01/15 07:15 Received: 06/02/15 09:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV Low Level	Analytical Method: EPA 8260B							
1,1,1,2-Tetrachloroethane	ND	ug/L	0.50	1		06/08/15 15:06	630-20-6	
1,1,1-Trichloroethane	ND	ug/L	0.50	1		06/08/15 15:06	71-55-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	0.50	1		06/08/15 15:06	79-34-5	
1,1,2-Trichloroethane	ND	ug/L	0.50	1		06/08/15 15:06	79-00-5	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	1.0	1		06/08/15 15:06	76-13-1	
1,1-Dichloroethane	ND	ug/L	0.50	1		06/08/15 15:06	75-34-3	
1,1-Dichloroethene	ND	ug/L	0.50	1		06/08/15 15:06	75-35-4	
1,1-Dichloropropene	ND	ug/L	0.50	1		06/08/15 15:06	563-58-6	
1,2,3-Trichlorobenzene	ND	ug/L	0.50	1		06/08/15 15:06	87-61-6	
1,2,3-Trichloropropane	ND	ug/L	4.0	1		06/08/15 15:06	96-18-4	
1,2,4-Trichlorobenzene	ND	ug/L	0.50	1		06/08/15 15:06	120-82-1	
1,2,4-Trimethylbenzene	ND	ug/L	0.50	1		06/08/15 15:06	95-63-6	
1,2-Dibromo-3-chloropropane	ND	ug/L	4.0	1		06/08/15 15:06	96-12-8	
1,2-Dibromoethane (EDB)	ND	ug/L	0.50	1		06/08/15 15:06	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	0.50	1		06/08/15 15:06	95-50-1	
1,2-Dichloroethane	ND	ug/L	0.50	1		06/08/15 15:06	107-06-2	
1,2-Dichloropropane	ND	ug/L	4.0	1		06/08/15 15:06	78-87-5	
1,3,5-Trimethylbenzene	ND	ug/L	0.50	1		06/08/15 15:06	108-67-8	
1,3-Dichlorobenzene	ND	ug/L	0.50	1		06/08/15 15:06	541-73-1	
1,3-Dichloropropane	ND	ug/L	0.50	1		06/08/15 15:06	142-28-9	
1,4-Dichlorobenzene	ND	ug/L	0.50	1		06/08/15 15:06	106-46-7	
2,2-Dichloropropane	ND	ug/L	1.0	1		06/08/15 15:06	594-20-7	
2-Butanone (MEK)	ND	ug/L	5.0	1		06/08/15 15:06	78-93-3	
2-Chlorotoluene	ND	ug/L	0.50	1		06/08/15 15:06	95-49-8	
4-Chlorotoluene	ND	ug/L	0.50	1		06/08/15 15:06	106-43-4	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	1		06/08/15 15:06	108-10-1	
Acetone	ND	ug/L	20.0	1		06/08/15 15:06	67-64-1	
Allyl chloride	ND	ug/L	4.0	1		06/08/15 15:06	107-05-1	
Benzene	ND	ug/L	0.50	1		06/08/15 15:06	71-43-2	
Bromobenzene	ND	ug/L	0.50	1		06/08/15 15:06	108-86-1	
Bromochloromethane	ND	ug/L	1.0	1		06/08/15 15:06	74-97-5	
Bromodichloromethane	ND	ug/L	0.50	1		06/08/15 15:06	75-27-4	
Bromoform	ND	ug/L	4.0	1		06/08/15 15:06	75-25-2	
Bromomethane	ND	ug/L	10.0	1		06/08/15 15:06	74-83-9	
Carbon tetrachloride	ND	ug/L	1.0	1		06/08/15 15:06	56-23-5	
Chlorobenzene	ND	ug/L	0.50	1		06/08/15 15:06	108-90-7	
Chloroethane	ND	ug/L	1.0	1		06/08/15 15:06	75-00-3	
Chloroform	ND	ug/L	1.0	1		06/08/15 15:06	67-66-3	
Chloromethane	ND	ug/L	4.0	1		06/08/15 15:06	74-87-3	
Dibromochloromethane	ND	ug/L	0.50	1		06/08/15 15:06	124-48-1	
Dibromomethane	ND	ug/L	1.0	1		06/08/15 15:06	74-95-3	
Dichlorodifluoromethane	ND	ug/L	1.0	1		06/08/15 15:06	75-71-8	
Dichlorofluoromethane	ND	ug/L	1.0	1		06/08/15 15:06	75-43-4	
Diethyl ether (Ethyl ether)	ND	ug/L	4.0	1		06/08/15 15:06	60-29-7	
Ethylbenzene	ND	ug/L	0.50	1		06/08/15 15:06	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	1.0	1		06/08/15 15:06	87-68-3	
Isopropylbenzene (Cumene)	ND	ug/L	0.50	1		06/08/15 15:06	98-82-8	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 062175-03-Pro-Coat Q4
Pace Project No.: 10308544

Sample: TB-1 **Lab ID: 10308544011** Collected: 06/01/15 07:15 Received: 06/02/15 09:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV Low Level	Analytical Method: EPA 8260B							
Methyl-tert-butyl ether	ND	ug/L	0.50	1		06/08/15 15:06	1634-04-4	
Methylene Chloride	**9.9**	ug/L	4.0	1		06/08/15 15:06	75-09-2	
Naphthalene	ND	ug/L	1.0	1		06/08/15 15:06	91-20-3	
Styrene	ND	ug/L	0.50	1		06/08/15 15:06	100-42-5	
Tetrachloroethene	ND	ug/L	0.50	1		06/08/15 15:06	127-18-4	
Tetrahydrofuran	ND	ug/L	10.0	1		06/08/15 15:06	109-99-9	
Toluene	ND	ug/L	0.50	1		06/08/15 15:06	108-88-3	
Trichloroethene	ND	ug/L	0.40	1		06/08/15 15:06	79-01-6	
Trichlorofluoromethane	ND	ug/L	0.50	1		06/08/15 15:06	75-69-4	
Vinyl chloride	ND	ug/L	0.20	1		06/08/15 15:06	75-01-4	
Xylene (Total)	ND	ug/L	1.5	1		06/08/15 15:06	1330-20-7	
cis-1,2-Dichloroethene	ND	ug/L	0.50	1		06/08/15 15:06	156-59-2	
cis-1,3-Dichloropropene	ND	ug/L	0.50	1		06/08/15 15:06	10061-01-5	
m&p-Xylene	ND	ug/L	1.0	1		06/08/15 15:06	179601-23-1	
n-Butylbenzene	ND	ug/L	0.50	1		06/08/15 15:06	104-51-8	
n-Propylbenzene	ND	ug/L	0.50	1		06/08/15 15:06	103-65-1	
o-Xylene	ND	ug/L	0.50	1		06/08/15 15:06	95-47-6	
p-Isopropyltoluene	ND	ug/L	0.50	1		06/08/15 15:06	99-87-6	
sec-Butylbenzene	ND	ug/L	0.50	1		06/08/15 15:06	135-98-8	
tert-Butylbenzene	ND	ug/L	0.50	1		06/08/15 15:06	98-06-6	
trans-1,2-Dichloroethene	ND	ug/L	0.50	1		06/08/15 15:06	156-60-5	
trans-1,3-Dichloropropene	ND	ug/L	0.50	1		06/08/15 15:06	10061-02-6	
Surrogates								
1,2-Dichloroethane-d4 (S)	120	%.	75-125	1		06/08/15 15:06	17060-07-0	
Toluene-d8 (S)	109	%.	75-125	1		06/08/15 15:06	2037-26-5	
4-Bromofluorobenzene (S)	112	%.	75-125	1		06/08/15 15:06	460-00-4	

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 062175-03-Pro-Coat Q4
Pace Project No.: 10308544

QC Batch: MPRP/54914 Analysis Method: EPA 6020A
QC Batch Method: EPA 3020 Analysis Description: 6020A Water Dissolved UPD4
Associated Lab Samples: 10308544001, 10308544002, 10308544003, 10308544004, 10308544005, 10308544006, 10308544007, 10308544008, 10308544009, 10308544010

METHOD BLANK: 1983918 Matrix: Water
Associated Lab Samples: 10308544001, 10308544002, 10308544003, 10308544004, 10308544005, 10308544006, 10308544007, 10308544008, 10308544009, 10308544010

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Arsenic, Dissolved	ug/L	ND	0.50	06/05/15 12:11	
Cadmium, Dissolved	ug/L	ND	0.080	06/05/15 12:11	
Chromium, Dissolved	ug/L	ND	0.50	06/05/15 12:11	

LABORATORY CONTROL SAMPLE: 1983919

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Arsenic, Dissolved	ug/L	80	82.3	103	80-120	
Cadmium, Dissolved	ug/L	80	83.8	105	80-120	
Chromium, Dissolved	ug/L	80	85.5	107	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1983920 1983921

Parameter	Units	10308085001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Arsenic, Dissolved	ug/L	1.1	80	80	86.9	87.0	107	107	75-125	0	20	
Cadmium, Dissolved	ug/L	0.078J	80	80	86.4	87.2	108	109	75-125	1	20	
Chromium, Dissolved	ug/L	1.5	80	80	87.3	86.9	107	107	75-125	0	20	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 062175-03-Pro-Coat Q4
Pace Project No.: 10308544

QC Batch: MSV/31716 Analysis Method: EPA 8260B
QC Batch Method: EPA 8260B Analysis Description: 8260 MSV LL Water
Associated Lab Samples: 10308544001, 10308544002, 10308544004, 10308544005, 10308544009, 10308544010, 10308544011

METHOD BLANK: 1987577 Matrix: Water
Associated Lab Samples: 10308544001, 10308544002, 10308544004, 10308544005, 10308544009, 10308544010, 10308544011

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	0.50	06/08/15 14:39	
1,1,1-Trichloroethane	ug/L	ND	0.50	06/08/15 14:39	
1,1,2,2-Tetrachloroethane	ug/L	ND	0.50	06/08/15 14:39	
1,1,2-Trichloroethane	ug/L	ND	0.50	06/08/15 14:39	
1,1,2-Trichlorotrifluoroethane	ug/L	ND	1.0	06/08/15 14:39	
1,1-Dichloroethane	ug/L	ND	0.50	06/08/15 14:39	
1,1-Dichloroethene	ug/L	ND	0.50	06/08/15 14:39	
1,1-Dichloropropene	ug/L	ND	0.50	06/08/15 14:39	
1,2,3-Trichlorobenzene	ug/L	ND	0.50	06/08/15 14:39	
1,2,3-Trichloropropane	ug/L	ND	4.0	06/08/15 14:39	
1,2,4-Trichlorobenzene	ug/L	ND	0.50	06/08/15 14:39	
1,2,4-Trimethylbenzene	ug/L	ND	0.50	06/08/15 14:39	
1,2-Dibromo-3-chloropropane	ug/L	ND	4.0	06/08/15 14:39	
1,2-Dibromoethane (EDB)	ug/L	ND	0.50	06/08/15 14:39	
1,2-Dichlorobenzene	ug/L	ND	0.50	06/08/15 14:39	
1,2-Dichloroethane	ug/L	ND	0.50	06/08/15 14:39	
1,2-Dichloropropane	ug/L	ND	4.0	06/08/15 14:39	
1,3,5-Trimethylbenzene	ug/L	ND	0.50	06/08/15 14:39	
1,3-Dichlorobenzene	ug/L	ND	0.50	06/08/15 14:39	
1,3-Dichloropropane	ug/L	ND	0.50	06/08/15 14:39	
1,4-Dichlorobenzene	ug/L	ND	0.50	06/08/15 14:39	
2,2-Dichloropropane	ug/L	ND	1.0	06/08/15 14:39	
2-Butanone (MEK)	ug/L	ND	5.0	06/08/15 14:39	
2-Chlorotoluene	ug/L	ND	0.50	06/08/15 14:39	
4-Chlorotoluene	ug/L	ND	0.50	06/08/15 14:39	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	5.0	06/08/15 14:39	
Acetone	ug/L	ND	20.0	06/08/15 14:39	
Allyl chloride	ug/L	ND	4.0	06/08/15 14:39	
Benzene	ug/L	ND	0.50	06/08/15 14:39	
Bromobenzene	ug/L	ND	0.50	06/08/15 14:39	
Bromochloromethane	ug/L	ND	1.0	06/08/15 14:39	
Bromodichloromethane	ug/L	ND	0.50	06/08/15 14:39	
Bromoform	ug/L	ND	4.0	06/08/15 14:39	
Bromomethane	ug/L	ND	10.0	06/08/15 14:39	
Carbon tetrachloride	ug/L	ND	1.0	06/08/15 14:39	
Chlorobenzene	ug/L	ND	0.50	06/08/15 14:39	
Chloroethane	ug/L	ND	1.0	06/08/15 14:39	
Chloroform	ug/L	ND	1.0	06/08/15 14:39	
Chloromethane	ug/L	ND	4.0	06/08/15 14:39	
cis-1,2-Dichloroethene	ug/L	ND	0.50	06/08/15 14:39	
cis-1,3-Dichloropropene	ug/L	ND	0.50	06/08/15 14:39	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 062175-03-Pro-Coat Q4
Pace Project No.: 10308544

METHOD BLANK: 1987577 Matrix: Water
Associated Lab Samples: 10308544001, 10308544002, 10308544004, 10308544005, 10308544009, 10308544010, 10308544011

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Dibromochloromethane	ug/L	ND	0.50	06/08/15 14:39	
Dibromomethane	ug/L	ND	1.0	06/08/15 14:39	
Dichlorodifluoromethane	ug/L	ND	1.0	06/08/15 14:39	
Dichlorofluoromethane	ug/L	ND	1.0	06/08/15 14:39	
Diethyl ether (Ethyl ether)	ug/L	ND	4.0	06/08/15 14:39	
Ethylbenzene	ug/L	ND	0.50	06/08/15 14:39	
Hexachloro-1,3-butadiene	ug/L	ND	1.0	06/08/15 14:39	
Isopropylbenzene (Cumene)	ug/L	ND	0.50	06/08/15 14:39	
m&p-Xylene	ug/L	ND	1.0	06/08/15 14:39	
Methyl-tert-butyl ether	ug/L	ND	0.50	06/08/15 14:39	
Methylene Chloride	ug/L	ND	4.0	06/08/15 14:39	
n-Butylbenzene	ug/L	ND	0.50	06/08/15 14:39	
n-Propylbenzene	ug/L	ND	0.50	06/08/15 14:39	
Naphthalene	ug/L	ND	1.0	06/08/15 14:39	
o-Xylene	ug/L	ND	0.50	06/08/15 14:39	
p-Isopropyltoluene	ug/L	ND	0.50	06/08/15 14:39	
sec-Butylbenzene	ug/L	ND	0.50	06/08/15 14:39	
Styrene	ug/L	ND	0.50	06/08/15 14:39	
tert-Butylbenzene	ug/L	ND	0.50	06/08/15 14:39	
Tetrachloroethene	ug/L	ND	0.50	06/08/15 14:39	
Tetrahydrofuran	ug/L	ND	10.0	06/08/15 14:39	
Toluene	ug/L	ND	0.50	06/08/15 14:39	
trans-1,2-Dichloroethene	ug/L	ND	0.50	06/08/15 14:39	
trans-1,3-Dichloropropene	ug/L	ND	0.50	06/08/15 14:39	
Trichloroethene	ug/L	ND	0.40	06/08/15 14:39	
Trichlorofluoromethane	ug/L	ND	0.50	06/08/15 14:39	
Vinyl chloride	ug/L	ND	0.20	06/08/15 14:39	
Xylene (Total)	ug/L	ND	1.5	06/08/15 14:39	
1,2-Dichloroethane-d4 (S)	%.	121	75-125	06/08/15 14:39	
4-Bromofluorobenzene (S)	%.	110	75-125	06/08/15 14:39	
Toluene-d8 (S)	%.	109	75-125	06/08/15 14:39	

LABORATORY CONTROL SAMPLE: 1987578

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	20	17.2	86	75-125	
1,1,1-Trichloroethane	ug/L	20	18.5	92	75-125	
1,1,2,2-Tetrachloroethane	ug/L	20	20.3	102	75-125	
1,1,2-Trichloroethane	ug/L	20	19.1	96	75-125	
1,1,2-Trichlorotrifluoroethane	ug/L	20	18.6	93	60-135	
1,1-Dichloroethane	ug/L	20	18.8	94	69-125	
1,1-Dichloroethene	ug/L	20	17.2	86	68-125	
1,1-Dichloropropene	ug/L	20	19.9	99	74-125	*
1,2,3-Trichlorobenzene	ug/L	20	25.3	126	69-136	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 062175-03-Pro-Coat Q4
Pace Project No.: 10308544

LABORATORY CONTROL SAMPLE: 1987578

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2,3-Trichloropropane	ug/L	20	19.4	97	75-125	
1,2,4-Trichlorobenzene	ug/L	20	22.5	112	73-127	
1,2,4-Trimethylbenzene	ug/L	20	21.5	108	75-125	
1,2-Dibromo-3-chloropropane	ug/L	50	56.6	113	65-145	
1,2-Dibromoethane (EDB)	ug/L	20	19.3	96	75-125	
1,2-Dichlorobenzene	ug/L	20	18.6	93	75-125	
1,2-Dichloroethane	ug/L	20	20.1	101	73-125	
1,2-Dichloropropane	ug/L	20	16.6	83	75-125	
1,3,5-Trimethylbenzene	ug/L	20	20.3	101	75-125	
1,3-Dichlorobenzene	ug/L	20	18.1	90	74-125	
1,3-Dichloropropane	ug/L	20	19.5	98	75-125	
1,4-Dichlorobenzene	ug/L	20	19.1	95	75-125	
2,2-Dichloropropane	ug/L	20	18.1	90	59-139	
2-Butanone (MEK)	ug/L	100	93.9	94	63-130	
2-Chlorotoluene	ug/L	20	20.1	100	72-125	
4-Chlorotoluene	ug/L	20	21.2	106	73-125	
4-Methyl-2-pentanone (MIBK)	ug/L	100	98.8	99	71-126	
Acetone	ug/L	100	89.8	90	69-131	
Allyl chloride	ug/L	20	18.6	93	67-125	
Benzene	ug/L	20	17.8	89	71-125	
Bromobenzene	ug/L	20	17.5	88	75-125	
Bromochloromethane	ug/L	20	19.4	97	75-125	
Bromodichloromethane	ug/L	20	16.7	84	75-125	
Bromoform	ug/L	20	15.6	78	70-125	
Bromomethane	ug/L	20	18.4	92	30-150	
Carbon tetrachloride	ug/L	20	19.0	95	75-126	
Chlorobenzene	ug/L	20	19.1	95	75-125	
Chloroethane	ug/L	20	21.3	106	65-134	
Chloroform	ug/L	20	20.3	102	75-125	
Chloromethane	ug/L	20	18.2	91	39-150	
cis-1,2-Dichloroethene	ug/L	20	19.0	95	72-125	
cis-1,3-Dichloropropene	ug/L	20	16.8	84	75-125	
Dibromochloromethane	ug/L	20	17.2	86	75-125	
Dibromomethane	ug/L	20	15.3	77	75-125	
Dichlorodifluoromethane	ug/L	20	18.8	94	50-134	
Dichlorofluoromethane	ug/L	20	20.5	102	69-125	
Diethyl ether (Ethyl ether)	ug/L	20	18.4	92	72-125	
Ethylbenzene	ug/L	20	19.9	100	75-125	
Hexachloro-1,3-butadiene	ug/L	20	23.9	119	70-138	
Isopropylbenzene (Cumene)	ug/L	20	20.8	104	75-125	
m&p-Xylene	ug/L	40	38.3	96	75-125	
Methyl-tert-butyl ether	ug/L	20	18.3	92	73-125	
Methylene Chloride	ug/L	20	19.9	100	73-125	
n-Butylbenzene	ug/L	20	20.5	102	72-133	
n-Propylbenzene	ug/L	20	20.6	103	72-126	
Naphthalene	ug/L	20	25.4	127	70-127	
o-Xylene	ug/L	20	18.4	92	75-125	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 062175-03-Pro-Coat Q4
Pace Project No.: 10308544

LABORATORY CONTROL SAMPLE: 1987578

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
p-Isopropyltoluene	ug/L	20	19.2	96	72-132	
sec-Butylbenzene	ug/L	20	21.2	106	73-132	
Styrene	ug/L	20	20.5	102	75-125	
tert-Butylbenzene	ug/L	20	18.7	94	73-128	
Tetrachloroethene	ug/L	20	15.5	77	74-125	
Tetrahydrofuran	ug/L	200	197	99	62-133	
Toluene	ug/L	20	18.5	92	74-125	
trans-1,2-Dichloroethene	ug/L	20	16.7	83	69-125	
trans-1,3-Dichloropropene	ug/L	20	18.5	93	75-125	
Trichloroethene	ug/L	20	16.9	84	75-125	
Trichlorofluoromethane	ug/L	20	21.8	109	74-127	
Vinyl chloride	ug/L	20	19.0	95	66-132	
Xylene (Total)	ug/L	60	56.8	95	75-125	
1,2-Dichloroethane-d4 (S)	%.			113	75-125	
4-Bromofluorobenzene (S)	%.			112	75-125	
Toluene-d8 (S)	%.			103	75-125	

MATRIX SPIKE SAMPLE: 1988623

Parameter	Units	10308544001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	20	17.2	86	70-138	
1,1,1-Trichloroethane	ug/L	ND	20	19.5	98	55-150	
1,1,2,2-Tetrachloroethane	ug/L	ND	20	18.3	91	64-140	
1,1,2-Trichloroethane	ug/L	ND	20	17.4	87	67-137	
1,1,2-Trichlorotrifluoroethane	ug/L	ND	20	22.5	113	51-150	
1,1-Dichloroethane	ug/L	ND	20	20.5	101	49-150	
1,1-Dichloroethene	ug/L	ND	20	18.8	92	40-150	
1,1-Dichloropropene	ug/L	ND	20	21.1	105	50-150	
1,2,3-Trichlorobenzene	ug/L	ND	20	23.6	118	59-148	
1,2,3-Trichloropropane	ug/L	ND	20	19.5	98	65-141	
1,2,4-Trichlorobenzene	ug/L	ND	20	21.7	109	61-140	
1,2,4-Trimethylbenzene	ug/L	ND	20	20.8	104	58-141	
1,2-Dibromo-3-chloropropane	ug/L	ND	50	52.3	105	53-150	
1,2-Dibromoethane (EDB)	ug/L	ND	20	17.2	86	65-137	
1,2-Dichlorobenzene	ug/L	ND	20	17.9	89	66-133	
1,2-Dichloroethane	ug/L	ND	20	19.5	98	54-138	
1,2-Dichloropropane	ug/L	ND	20	14.3	72	62-138	
1,3,5-Trimethylbenzene	ug/L	ND	20	19.8	99	58-140	
1,3-Dichlorobenzene	ug/L	ND	20	17.7	88	66-132	
1,3-Dichloropropane	ug/L	ND	20	18.2	91	66-134	
1,4-Dichlorobenzene	ug/L	ND	20	17.6	88	65-129	
2,2-Dichloropropane	ug/L	ND	20	19.4	97	40-150	
2-Butanone (MEK)	ug/L	ND	100	88.9	89	51-147	
2-Chlorotoluene	ug/L	ND	20	19.5	98	58-147	
4-Chlorotoluene	ug/L	ND	20	20.3	102	64-138	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 062175-03-Pro-Coat Q4
Pace Project No.: 10308544

MATRIX SPIKE SAMPLE: 1988623

Parameter	Units	10308544001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
4-Methyl-2-pentanone (MIBK)	ug/L	ND	100	94.9	95	59-143	
Acetone	ug/L	ND	100	87.9	88	63-147	
Allyl chloride	ug/L	ND	20	21.2	106	45-150	
Benzene	ug/L	ND	20	18.0	89	53-139	
Bromobenzene	ug/L	ND	20	16.7	83	66-136	
Bromochloromethane	ug/L	ND	20	18.5	92	64-136	
Bromodichloromethane	ug/L	ND	20	15.0	75	66-138	
Bromoform	ug/L	ND	20	14.1	71	59-136	
Bromomethane	ug/L	ND	20	18.2	91	30-150	
Carbon tetrachloride	ug/L	ND	20	20.3	102	56-150	
Chlorobenzene	ug/L	ND	20	18.7	94	65-133	
Chloroethane	ug/L	1.1	20	26.0	125	48-150	
Chloroform	ug/L	ND	20	20.4	102	57-145	
Chloromethane	ug/L	ND	20	18.9	95	30-150	
cis-1,2-Dichloroethene	ug/L	1.5	20	20.6	95	49-150	
cis-1,3-Dichloropropene	ug/L	ND	20	14.2	71	64-130	
Dibromochloromethane	ug/L	ND	20	15.8	79	68-138	
Dibromomethane	ug/L	ND	20	14.6	73	67-134	
Dichlorodifluoromethane	ug/L	ND	20	23.8	119	45-150	
Dichlorofluoromethane	ug/L	ND	20	23.0	115	54-150	
Diethyl ether (Ethyl ether)	ug/L	ND	20	19.2	96	50-145	
Ethylbenzene	ug/L	ND	20	20.0	100	55-139	
Hexachloro-1,3-butadiene	ug/L	ND	20	25.0	125	49-150	
Isopropylbenzene (Cumene)	ug/L	ND	20	20.9	104	64-142	
m&p-Xylene	ug/L	ND	40	38.2	95	57-141	
Methyl-tert-butyl ether	ug/L	ND	20	17.5	87	62-129	
Methylene Chloride	ug/L	ND	20	21.1	105	57-132	
n-Butylbenzene	ug/L	ND	20	20.6	103	55-150	
n-Propylbenzene	ug/L	ND	20	20.5	102	59-142	
Naphthalene	ug/L	ND	20	23.7	118	51-150	
o-Xylene	ug/L	ND	20	18.1	90	54-147	
p-Isopropyltoluene	ug/L	ND	20	18.2	91	60-149	
sec-Butylbenzene	ug/L	ND	20	21.2	106	60-150	
Styrene	ug/L	ND	20	20.3	101	68-134	
tert-Butylbenzene	ug/L	ND	20	18.0	90	62-146	
Tetrachloroethene	ug/L	ND	20	16.8	84	50-150	
Tetrahydrofuran	ug/L	ND	200	185	93	59-145	
Toluene	ug/L	ND	20	17.8	89	52-148	
trans-1,2-Dichloroethene	ug/L	ND	20	17.8	89	45-150	
trans-1,3-Dichloropropene	ug/L	ND	20	17.1	86	68-132	
Trichloroethene	ug/L	ND	20	16.5	82	52-150	
Trichlorofluoromethane	ug/L	ND	20	25.5	128	55-150	
Vinyl chloride	ug/L	ND	20	21.1	105	43-150	
Xylene (Total)	ug/L	ND	60	56.2	94	54-144	
1,2-Dichloroethane-d4 (S)	%.				121	75-125	
4-Bromofluorobenzene (S)	%.				112	75-125	
Toluene-d8 (S)	%.				103	75-125	

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REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: 062175-03-Pro-Coat Q4
Pace Project No.: 10308544

SAMPLE DUPLICATE: 1988624

Parameter	Units	10308544002 Result	Dup Result	RPD	Max RPD	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	ND		30	
1,1,1-Trichloroethane	ug/L	ND	ND		30	
1,1,2,2-Tetrachloroethane	ug/L	ND	ND		30	
1,1,2-Trichloroethane	ug/L	ND	ND		30	
1,1,2-Trichlorotrifluoroethane	ug/L	ND	ND		30	
1,1-Dichloroethane	ug/L	ND	ND		30	
1,1-Dichloroethene	ug/L	ND	ND		30	
1,1-Dichloropropene	ug/L	ND	ND		30	
1,2,3-Trichlorobenzene	ug/L	ND	.31J		30	
1,2,3-Trichloropropane	ug/L	ND	ND		30	
1,2,4-Trichlorobenzene	ug/L	ND	.24J		30	
1,2,4-Trimethylbenzene	ug/L	ND	ND		30	
1,2-Dibromo-3-chloropropane	ug/L	ND	ND		30	
1,2-Dibromoethane (EDB)	ug/L	ND	ND		30	
1,2-Dichlorobenzene	ug/L	ND	ND		30	
1,2-Dichloroethane	ug/L	ND	ND		30	
1,2-Dichloropropane	ug/L	ND	ND		30	
1,3,5-Trimethylbenzene	ug/L	ND	ND		30	
1,3-Dichlorobenzene	ug/L	ND	ND		30	
1,3-Dichloropropane	ug/L	ND	ND		30	
1,4-Dichlorobenzene	ug/L	ND	ND		30	
2,2-Dichloropropane	ug/L	ND	ND		30	
2-Butanone (MEK)	ug/L	ND	ND		30	
2-Chlorotoluene	ug/L	ND	ND		30	
4-Chlorotoluene	ug/L	ND	ND		30	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	ND		30	
Acetone	ug/L	ND	ND		30	
Allyl chloride	ug/L	ND	ND		30	
Benzene	ug/L	ND	ND		30	
Bromobenzene	ug/L	ND	ND		30	
Bromochloromethane	ug/L	ND	ND		30	
Bromodichloromethane	ug/L	ND	ND		30	
Bromoform	ug/L	ND	ND		30	
Bromomethane	ug/L	ND	ND		30	
Carbon tetrachloride	ug/L	ND	ND		30	
Chlorobenzene	ug/L	ND	ND		30	
Chloroethane	ug/L	ND	ND		30	
Chloroform	ug/L	ND	ND		30	
Chloromethane	ug/L	ND	ND		30	
cis-1,2-Dichloroethene	ug/L	ND	ND		30	
cis-1,3-Dichloropropene	ug/L	ND	ND		30	
Dibromochloromethane	ug/L	ND	ND		30	
Dibromomethane	ug/L	ND	ND		30	
Dichlorodifluoromethane	ug/L	ND	ND		30	
Dichlorofluoromethane	ug/L	ND	ND		30	
Diethyl ether (Ethyl ether)	ug/L	ND	ND		30	
Ethylbenzene	ug/L	ND	ND		30	

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REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: 062175-03-Pro-Coat Q4
Pace Project No.: 10308544

SAMPLE DUPLICATE: 1988624

Parameter	Units	10308544002 Result	Dup Result	RPD	Max RPD	Qualifiers
Hexachloro-1,3-butadiene	ug/L	ND	1.3		30	
Isopropylbenzene (Cumene)	ug/L	ND	ND		30	
m&p-Xylene	ug/L	ND	ND		30	
Methyl-tert-butyl ether	ug/L	ND	ND		30	
Methylene Chloride	ug/L	ND	ND		30	
n-Butylbenzene	ug/L	ND	.2J		30	
n-Propylbenzene	ug/L	ND	ND		30	
Naphthalene	ug/L	ND	.3J		30	
o-Xylene	ug/L	ND	ND		30	
p-Isopropyltoluene	ug/L	ND	ND		30	
sec-Butylbenzene	ug/L	ND	ND		30	
Styrene	ug/L	ND	ND		30	
tert-Butylbenzene	ug/L	ND	ND		30	
Tetrachloroethene	ug/L	ND	ND		30	
Tetrahydrofuran	ug/L	ND	ND		30	
Toluene	ug/L	ND	ND		30	
trans-1,2-Dichloroethene	ug/L	ND	ND		30	
trans-1,3-Dichloropropene	ug/L	ND	ND		30	
Trichloroethene	ug/L	ND	ND		30	
Trichlorofluoromethane	ug/L	ND	ND		30	
Vinyl chloride	ug/L	ND	ND		30	
Xylene (Total)	ug/L	ND	ND		30	
1,2-Dichloroethane-d4 (S)	%.	122	123	1		
4-Bromofluorobenzene (S)	%.	109	110	1		
Toluene-d8 (S)	%.	107	106	0		

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REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: 062175-03-Pro-Coat Q4
Pace Project No.: 10308544

QC Batch: MSV/31740 Analysis Method: EPA 8260B
QC Batch Method: EPA 8260B Analysis Description: 8260 MSV LL Water
Associated Lab Samples: 10308544003, 10308544006, 10308544007, 10308544008

METHOD BLANK: 1988729 Matrix: Water
Associated Lab Samples: 10308544003, 10308544006, 10308544007, 10308544008

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	0.50	06/09/15 18:49	
1,1,1-Trichloroethane	ug/L	ND	1.0	06/09/15 18:49	
1,1,2,2-Tetrachloroethane	ug/L	ND	0.50	06/09/15 18:49	
1,1,2-Trichloroethane	ug/L	ND	0.50	06/09/15 18:49	
1,1,2-Trichlorotrifluoroethane	ug/L	ND	1.0	06/09/15 18:49	
1,1-Dichloroethane	ug/L	ND	0.50	06/09/15 18:49	
1,1-Dichloroethene	ug/L	ND	0.50	06/09/15 18:49	
1,1-Dichloropropene	ug/L	ND	0.50	06/09/15 18:49	
1,2,3-Trichlorobenzene	ug/L	ND	0.50	06/09/15 18:49	
1,2,3-Trichloropropane	ug/L	ND	4.0	06/09/15 18:49	
1,2,4-Trichlorobenzene	ug/L	ND	0.50	06/09/15 18:49	
1,2,4-Trimethylbenzene	ug/L	ND	0.50	06/09/15 18:49	
1,2-Dibromo-3-chloropropane	ug/L	ND	4.0	06/09/15 18:49	
1,2-Dibromoethane (EDB)	ug/L	ND	0.50	06/09/15 18:49	
1,2-Dichlorobenzene	ug/L	ND	0.50	06/09/15 18:49	
1,2-Dichloroethane	ug/L	ND	0.50	06/09/15 18:49	
1,2-Dichloropropane	ug/L	ND	4.0	06/09/15 18:49	
1,3,5-Trimethylbenzene	ug/L	ND	0.50	06/09/15 18:49	
1,3-Dichlorobenzene	ug/L	ND	0.50	06/09/15 18:49	
1,3-Dichloropropane	ug/L	ND	0.50	06/09/15 18:49	
1,4-Dichlorobenzene	ug/L	ND	0.50	06/09/15 18:49	
2,2-Dichloropropane	ug/L	ND	1.0	06/09/15 18:49	
2-Butanone (MEK)	ug/L	ND	5.0	06/09/15 18:49	
2-Chlorotoluene	ug/L	ND	0.50	06/09/15 18:49	
4-Chlorotoluene	ug/L	ND	0.50	06/09/15 18:49	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	5.0	06/09/15 18:49	
Acetone	ug/L	ND	20.0	06/09/15 18:49	
Allyl chloride	ug/L	ND	4.0	06/09/15 18:49	
Benzene	ug/L	ND	0.50	06/09/15 18:49	
Bromobenzene	ug/L	ND	0.50	06/09/15 18:49	
Bromochloromethane	ug/L	ND	1.0	06/09/15 18:49	
Bromodichloromethane	ug/L	ND	0.50	06/09/15 18:49	
Bromoform	ug/L	ND	4.0	06/09/15 18:49	
Bromomethane	ug/L	ND	4.0	06/09/15 18:49	
Carbon tetrachloride	ug/L	ND	1.0	06/09/15 18:49	
Chlorobenzene	ug/L	ND	0.50	06/09/15 18:49	
Chloroethane	ug/L	ND	1.0	06/09/15 18:49	
Chloroform	ug/L	ND	1.0	06/09/15 18:49	
Chloromethane	ug/L	ND	4.0	06/09/15 18:49	
cis-1,2-Dichloroethene	ug/L	ND	0.50	06/09/15 18:49	
cis-1,3-Dichloropropene	ug/L	ND	0.50	06/09/15 18:49	

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REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: 062175-03-Pro-Coat Q4
Pace Project No.: 10308544

METHOD BLANK: 1988729 Matrix: Water
Associated Lab Samples: 10308544003, 10308544006, 10308544007, 10308544008

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Dibromochloromethane	ug/L	ND	0.50	06/09/15 18:49	
Dibromomethane	ug/L	ND	1.0	06/09/15 18:49	
Dichlorodifluoromethane	ug/L	ND	1.0	06/09/15 18:49	
Dichlorofluoromethane	ug/L	ND	1.0	06/09/15 18:49	
Diethyl ether (Ethyl ether)	ug/L	ND	4.0	06/09/15 18:49	
Ethylbenzene	ug/L	ND	0.50	06/09/15 18:49	
Hexachloro-1,3-butadiene	ug/L	ND	1.0	06/09/15 18:49	
Isopropylbenzene (Cumene)	ug/L	ND	0.50	06/09/15 18:49	
m&p-Xylene	ug/L	ND	1.0	06/09/15 18:49	
Methyl-tert-butyl ether	ug/L	ND	0.50	06/09/15 18:49	
Methylene Chloride	ug/L	ND	4.0	06/09/15 18:49	
n-Butylbenzene	ug/L	ND	0.50	06/09/15 18:49	
n-Propylbenzene	ug/L	ND	0.50	06/09/15 18:49	
Naphthalene	ug/L	ND	1.0	06/09/15 18:49	
o-Xylene	ug/L	ND	0.50	06/09/15 18:49	
p-Isopropyltoluene	ug/L	ND	0.50	06/09/15 18:49	
sec-Butylbenzene	ug/L	ND	0.50	06/09/15 18:49	
Styrene	ug/L	ND	0.50	06/09/15 18:49	
tert-Butylbenzene	ug/L	ND	0.50	06/09/15 18:49	
Tetrachloroethene	ug/L	ND	0.50	06/09/15 18:49	
Tetrahydrofuran	ug/L	ND	10.0	06/09/15 18:49	
Toluene	ug/L	ND	0.50	06/09/15 18:49	
trans-1,2-Dichloroethene	ug/L	ND	1.0	06/09/15 18:49	
trans-1,3-Dichloropropene	ug/L	ND	0.50	06/09/15 18:49	
Trichloroethene	ug/L	ND	0.40	06/09/15 18:49	
Trichlorofluoromethane	ug/L	ND	0.50	06/09/15 18:49	
Vinyl chloride	ug/L	ND	0.40	06/09/15 18:49	
Xylene (Total)	ug/L	ND	1.5	06/09/15 18:49	
1,2-Dichloroethane-d4 (S)	%.	99	75-125	06/09/15 18:49	
4-Bromofluorobenzene (S)	%.	100	75-125	06/09/15 18:49	
Toluene-d8 (S)	%.	97	75-125	06/09/15 18:49	

LABORATORY CONTROL SAMPLE: 1988730

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	20	20.2	101	75-125	
1,1,1-Trichloroethane	ug/L	20	19.4	97	75-125	
1,1,2,2-Tetrachloroethane	ug/L	20	20.9	104	75-125	
1,1,2-Trichloroethane	ug/L	20	17.9	89	75-125	
1,1,2-Trichlorotrifluoroethane	ug/L	20	18.0	90	60-135	
1,1-Dichloroethane	ug/L	20	20.1	100	69-125	
1,1-Dichloroethene	ug/L	20	16.6	83	68-125	
1,1-Dichloropropene	ug/L	20	18.4	92	74-125	
1,2,3-Trichlorobenzene	ug/L	20	19.0	95	69-136	

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REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: 062175-03-Pro-Coat Q4
Pace Project No.: 10308544

LABORATORY CONTROL SAMPLE: 1988730

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2,3-Trichloropropane	ug/L	20	18.8	94	75-125	
1,2,4-Trichlorobenzene	ug/L	20	19.1	95	73-127	
1,2,4-Trimethylbenzene	ug/L	20	18.5	92	75-125	
1,2-Dibromo-3-chloropropane	ug/L	50	48.0	96	65-145	
1,2-Dibromoethane (EDB)	ug/L	20	18.8	94	75-125	
1,2-Dichlorobenzene	ug/L	20	18.6	93	75-125	
1,2-Dichloroethane	ug/L	20	19.9	100	73-125	
1,2-Dichloropropane	ug/L	20	19.8	99	75-125	
1,3,5-Trimethylbenzene	ug/L	20	19.0	95	75-125	
1,3-Dichlorobenzene	ug/L	20	19.2	96	74-125	
1,3-Dichloropropane	ug/L	20	18.1	91	75-125	
1,4-Dichlorobenzene	ug/L	20	20.4	102	75-125	
2,2-Dichloropropane	ug/L	20	19.8	99	59-139	
2-Butanone (MEK)	ug/L	100	100	100	63-130	
2-Chlorotoluene	ug/L	20	19.0	95	72-125	
4-Chlorotoluene	ug/L	20	18.8	94	73-125	
4-Methyl-2-pentanone (MIBK)	ug/L	100	101	101	71-126	
Acetone	ug/L	100	105	105	69-131	
Allyl chloride	ug/L	20	19.4	97	67-125	
Benzene	ug/L	20	19.4	97	71-125	
Bromobenzene	ug/L	20	20.2	101	75-125	
Bromochloromethane	ug/L	20	17.0	85	75-125	
Bromodichloromethane	ug/L	20	20.0	100	75-125	
Bromoform	ug/L	20	18.7	94	70-125	
Bromomethane	ug/L	20	24.1	121	30-150	
Carbon tetrachloride	ug/L	20	17.9	90	75-126	
Chlorobenzene	ug/L	20	19.5	98	75-125	
Chloroethane	ug/L	20	20.9	105	65-134	
Chloroform	ug/L	20	18.3	91	75-125	
Chloromethane	ug/L	20	20.5	102	39-150	
cis-1,2-Dichloroethene	ug/L	20	19.5	98	72-125	
cis-1,3-Dichloropropene	ug/L	20	19.1	96	75-125	
Dibromochloromethane	ug/L	20	20.1	100	75-125	
Dibromomethane	ug/L	20	20.8	104	75-125	
Dichlorodifluoromethane	ug/L	20	21.8	109	50-134	
Dichlorofluoromethane	ug/L	20	18.9	94	69-125	
Diethyl ether (Ethyl ether)	ug/L	20	18.4	92	72-125	
Ethylbenzene	ug/L	20	18.3	91	75-125	
Hexachloro-1,3-butadiene	ug/L	20	18.3	91	70-138	
Isopropylbenzene (Cumene)	ug/L	20	19.0	95	75-125	
m&p-Xylene	ug/L	40	37.8	95	75-125	
Methyl-tert-butyl ether	ug/L	20	19.9	99	73-125	
Methylene Chloride	ug/L	20	15.4	77	73-125	
n-Butylbenzene	ug/L	20	20.3	102	72-133	
n-Propylbenzene	ug/L	20	18.6	93	72-126	
Naphthalene	ug/L	20	17.7	89	70-127	
o-Xylene	ug/L	20	19.9	99	75-125	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
1700 Elm Street - Suite 200
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(612)607-1700

QUALITY CONTROL DATA

Project: 062175-03-Pro-Coat Q4
Pace Project No.: 10308544

LABORATORY CONTROL SAMPLE: 1988730

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
p-Isopropyltoluene	ug/L	20	19.2	96	72-132	
sec-Butylbenzene	ug/L	20	17.9	89	73-132	
Styrene	ug/L	20	18.3	91	75-125	
tert-Butylbenzene	ug/L	20	19.4	97	73-128	
Tetrachloroethene	ug/L	20	19.3	97	74-125	
Tetrahydrofuran	ug/L	200	190	95	62-133	
Toluene	ug/L	20	19.0	95	74-125	
trans-1,2-Dichloroethene	ug/L	20	18.1	91	69-125	
trans-1,3-Dichloropropene	ug/L	20	17.8	89	75-125	
Trichloroethene	ug/L	20	20.4	102	75-125	
Trichlorofluoromethane	ug/L	20	18.7	93	74-127	
Vinyl chloride	ug/L	20	22.0	110	66-132	
Xylene (Total)	ug/L	60	57.7	96	75-125	
1,2-Dichloroethane-d4 (S)	%.			104	75-125	
4-Bromofluorobenzene (S)	%.			102	75-125	
Toluene-d8 (S)	%.			98	75-125	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1990070 1990071

Parameter	Units	10308544003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,1,1,2-Tetrachloroethane	ug/L	ND	100	100	92.8	97.5	93	98	70-138	5	30	
1,1,1-Trichloroethane	ug/L	ND	100	100	97.7	100	98	100	55-150	3	30	
1,1,2,2-Tetrachloroethane	ug/L	ND	100	100	98.9	100	99	100	64-140	1	30	
1,1,2-Trichloroethane	ug/L	ND	100	100	90.1	89.4	90	89	67-137	1	30	
1,1,2-Trichlorotrifluoroethane	ug/L	ND	100	100	99.3	95.3	99	95	51-150	4	30	
1,1-Dichloroethane	ug/L	98.4	100	100	200	199	102	100	49-150	1	30	
1,1-Dichloroethene	ug/L	25.0	100	100	114	121	89	96	40-150	5	30	
1,1-Dichloropropene	ug/L	ND	100	100	94.3	90.6	94	91	50-150	4	30	
1,2,3-Trichlorobenzene	ug/L	ND	100	100	97.1	107	97	107	59-148	10	30	
1,2,3-Trichloropropane	ug/L	ND	100	100	89.6	97.6	90	98	65-141	9	30	
1,2,4-Trichlorobenzene	ug/L	ND	100	100	87.6	87.9	88	88	61-140	0	30	
1,2,4-Trimethylbenzene	ug/L	ND	100	100	90.9	95.5	91	95	58-141	5	30	
1,2-Dibromo-3-chloropropane	ug/L	ND	250	250	226	252	90	101	53-150	11	30	
1,2-Dibromoethane (EDB)	ug/L	ND	100	100	94.3	100	94	100	65-137	6	30	
1,2-Dichlorobenzene	ug/L	ND	100	100	86.5	91.1	86	91	66-133	5	30	
1,2-Dichloroethane	ug/L	ND	100	100	92.1	93.7	92	94	54-138	2	30	
1,2-Dichloropropane	ug/L	ND	100	100	84.9	89.1	85	89	62-138	5	30	
1,3,5-Trimethylbenzene	ug/L	ND	100	100	91.1	96.6	91	97	58-140	6	30	
1,3-Dichlorobenzene	ug/L	ND	100	100	94.8	98.2	95	98	66-132	4	30	
1,3-Dichloropropane	ug/L	ND	100	100	88.3	91.1	88	91	66-134	3	30	
1,4-Dichlorobenzene	ug/L	ND	100	100	92.7	101	93	101	65-129	9	30	
2,2-Dichloropropane	ug/L	ND	100	100	91.8	92.0	92	92	40-150	0	30	
2-Butanone (MEK)	ug/L	ND	500	500	466	449	93	90	51-147	4	30	

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REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: 062175-03-Pro-Coat Q4
Pace Project No.: 10308544

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1990070 1990071

Parameter	Units	10308544003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
2-Chlorotoluene	ug/L	ND	100	100	89.9	98.2	90	98	58-147	9	30	
4-Chlorotoluene	ug/L	ND	100	100	91.4	91.4	91	91	64-138	0	30	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	500	500	519	505	104	101	59-143	3	30	
Acetone	ug/L	ND	500	500	767	560	153	112	63-147	31	30	M1,R1
Allyl chloride	ug/L	ND	100	100	91.2	92.4	91	92	45-150	1	30	
Benzene	ug/L	ND	100	100	99.2	98.8	99	99	53-139	0	30	
Bromobenzene	ug/L	ND	100	100	94.5	101	94	101	66-136	7	30	
Bromochloromethane	ug/L	ND	100	100	93.0	86.0	93	86	64-136	8	30	
Bromodichloromethane	ug/L	ND	100	100	95.6	93.9	96	94	66-138	2	30	
Bromoform	ug/L	ND	100	100	83.2	89.0	83	89	59-136	7	30	
Bromomethane	ug/L	ND	100	100	124	125	124	125	30-150	1	30	
Carbon tetrachloride	ug/L	ND	100	100	85.7	90.8	86	91	56-150	6	30	
Chlorobenzene	ug/L	ND	100	100	93.9	98.7	94	99	65-133	5	30	
Chloroethane	ug/L	15.0	100	100	114	118	99	103	48-150	4	30	
Chloroform	ug/L	ND	100	100	102	93.7	102	94	57-145	9	30	
Chloromethane	ug/L	ND	100	100	90.6	99.6	91	100	30-150	9	30	
cis-1,2-Dichloroethene	ug/L	488	100	100	610	602	122	115	49-150	1	30	
cis-1,3-Dichloropropene	ug/L	ND	100	100	94.1	95.5	94	96	64-130	2	30	
Dibromochloromethane	ug/L	ND	100	100	98.6	103	99	103	68-138	5	30	
Dibromomethane	ug/L	ND	100	100	94.2	93.4	94	93	67-134	1	30	
Dichlorodifluoromethane	ug/L	ND	100	100	99.5	95.6	99	96	45-150	4	30	
Dichlorofluoromethane	ug/L	ND	100	100	98.6	96.3	99	96	54-150	2	30	
Diethyl ether (Ethyl ether)	ug/L	ND	100	100	92.6	92.0	93	92	50-145	1	30	
Ethylbenzene	ug/L	ND	100	100	92.2	96.2	92	96	55-139	4	30	
Hexachloro-1,3-butadiene	ug/L	ND	100	100	86.7	86.1	87	86	49-150	1	30	
Isopropylbenzene (Cumene)	ug/L	ND	100	100	93.8	98.0	94	98	64-142	4	30	
m&p-Xylene	ug/L	ND	200	200	186	193	93	97	57-141	4	30	
Methyl-tert-butyl ether	ug/L	ND	100	100	96.7	97.6	97	98	62-129	1	30	
Methylene Chloride	ug/L	ND	100	100	79.1	87.5	75	84	57-132	10	30	
n-Butylbenzene	ug/L	ND	100	100	95.1	103	95	103	55-150	8	30	
n-Propylbenzene	ug/L	ND	100	100	91.0	98.3	91	98	59-142	8	30	
Naphthalene	ug/L	ND	100	100	89.7	91.7	90	92	51-150	2	30	
o-Xylene	ug/L	ND	100	100	95.2	98.9	95	99	54-147	4	30	
p-Isopropyltoluene	ug/L	ND	100	100	93.8	99.6	94	100	60-149	6	30	
sec-Butylbenzene	ug/L	ND	100	100	89.5	93.7	89	94	60-150	5	30	
Styrene	ug/L	ND	100	100	90.2	93.6	90	94	68-134	4	30	
tert-Butylbenzene	ug/L	ND	100	100	98.6	100	99	100	62-146	2	30	
Tetrachloroethene	ug/L	ND	100	100	95.1	97.8	95	98	50-150	3	30	
Tetrahydrofuran	ug/L	ND	1000	1000	1350	1120	135	112	59-145	18	30	
Toluene	ug/L	ND	100	100	96.3	96.8	95	96	52-148	1	30	
trans-1,2-Dichloroethene	ug/L	15.8	100	100	110	102	94	86	45-150	8	30	
trans-1,3-Dichloropropene	ug/L	ND	100	100	88.1	91.6	88	92	68-132	4	30	
Trichloroethene	ug/L	ND	100	100	93.5	97.5	94	97	52-150	4	30	
Trichlorofluoromethane	ug/L	ND	100	100	93.9	103	94	103	55-150	9	30	
Vinyl chloride	ug/L	2.0	100	100	100	103	98	101	43-150	3	30	

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REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: 062175-03-Pro-Coat Q4
Pace Project No.: 10308544

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1990070 1990071

Parameter	Units	10308544003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Xylene (Total)	ug/L	ND	300	300	281	292	94	97	54-144	4	30	
1,2-Dichloroethane-d4 (S)	%.						101	94	75-125			
4-Bromofluorobenzene (S)	%.						100	100	75-125			
Toluene-d8 (S)	%.						101	99	75-125			

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
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QUALIFIERS

Project: 062175-03-Pro-Coat Q4
Pace Project No.: 10308544

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.

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

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit.

S - Surrogate

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

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

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

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

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

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

TNI - The NELAC Institute.

LABORATORIES

PASI-M	Pace Analytical Services - Minneapolis

ANALYTE QUALIFIERS

M1	Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.
R1	RPD value was outside control limits.
S3	Surrogate recovery exceeded laboratory control limits. Analyte presence below reporting limits in associated samples. Results unaffected by high bias.

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METHOD CROSS REFERENCE TABLE

Project: 062175-03-Pro-Coat Q4
Pace Project No.: 10308544

Parameter	Matrix	Analytical Method	Preparation Method
8260B MSV Low Level	Water	SW-846 8260B/5030B	N/A

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

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 062175-03-Pro-Coat Q4
Pace Project No.: 10308544

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
10308544001	MW-1	EPA 3020	MPRP/54914	EPA 6020A	ICPM/24650
10308544002	MW-2	EPA 3020	MPRP/54914	EPA 6020A	ICPM/24650
10308544003	MW-3	EPA 3020	MPRP/54914	EPA 6020A	ICPM/24650
10308544004	MW-4	EPA 3020	MPRP/54914	EPA 6020A	ICPM/24650
10308544005	MW-5	EPA 3020	MPRP/54914	EPA 6020A	ICPM/24650
10308544006	MW-6	EPA 3020	MPRP/54914	EPA 6020A	ICPM/24650
10308544007	MW-7	EPA 3020	MPRP/54914	EPA 6020A	ICPM/24650
10308544008	MW-8	EPA 3020	MPRP/54914	EPA 6020A	ICPM/24650
10308544009	MW-9	EPA 3020	MPRP/54914	EPA 6020A	ICPM/24650
10308544010	DUP-1	EPA 3020	MPRP/54914	EPA 6020A	ICPM/24650
10308544001	MW-1	EPA 8260B	MSV/31716		
10308544002	MW-2	EPA 8260B	MSV/31716		
10308544003	MW-3	EPA 8260B	MSV/31740		
10308544004	MW-4	EPA 8260B	MSV/31716		
10308544005	MW-5	EPA 8260B	MSV/31716		
10308544006	MW-6	EPA 8260B	MSV/31740		
10308544007	MW-7	EPA 8260B	MSV/31740		
10308544008	MW-8	EPA 8260B	MSV/31740		
10308544009	MW-9	EPA 8260B	MSV/31716		
10308544010	DUP-1	EPA 8260B	MSV/31716		
10308544011	TB-1	EPA 8260B	MSV/31716		

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Page : 1 Of 1

L0308544

Section A Required Client Information:	Section B Required Project Information:	Section C Invoice Information:
Company: CRA	Report To: cmcclelland@craworld.com	Attention: Accounts Payable
20818 44th Ave W, Suite 180	Copy To: jcloud@craworld.com	Company Name: CRA
Lynnwood, WA 98036	Copy To: jorth@craworld.com	Address: 20818 44th Ave W, Lynnwood 98036
Email To: cmcclelland@craworld.com	Purchase Order No.: 4069907	Pace Quote Reference:
Phone: Fax:	Client Project ID: 062175-03- Pro-Coat Q4	Pace Project Manager: Jenni Gross
Requested Due Date/TAT: 10 Day (Standard)	Container Order Number:	Pace Profile #: 33857 #1

Regulatory Agency:

State / Location: Kent WA

Requested Analyses Filtered (Y/N)

ITEM #	SAMPLE ID (One Character per box. (A-Z, 0-9, -) Sample ids must be unique)	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED START DATE	COLLECTED START TIME	COLLECTED END DATE	COLLECTED END TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H2SO4	HNO3	HCl	NaOH	Na2S2O3	Methanol	Other	Analyses Test: 8260 Full List VOCs	**6020 Dissolved As, Cd, Cr	Residual Chlorine (Y/N)	
1	MW-1	WT	G			6/1/15	0912		4	X			X					X	X		001
2	MW-2	WT	G				0940		4	X			X					X	X		002
3	MW-3	WT	G				1005		4	X			X					X	X		003
4	MW-4	WT	G				0815		4	X			X					X	X		004
5	MW-5	WT	G				0845		4	X			X					X	X		005
6	MW-6	WT	G				1028		4	X			X					X	X		006
7	MW-7	WT	G				1055		4	X			X					X	X		007
8	MW-8	WT	G				1124		4	X			X					X	X		008
9	MW-9	WT	G				1202		4	X			X					X	X		009
10	DUP-1	WT	G				-		4	X			X					X	X		010
11	TB-1	WT	G				0715		2				X					X			011
12																					

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
**Lab to filter and preserve	Craig Peters	6/1/15	1419	PACE	6/2/15	1415	4.1	Y	N	Y
				PACE	6/2/15	0730	6.2	Y	Y	Y

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Craig Peters

SIGNATURE of SAMPLER: Craig Peters DATE Signed: 6/1/15

TEMP in C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)

Pace Analytical®	Document Name: Sample Condition Upon Receipt Form	Document Revised: 23Feb2015 Page 1 of 1
	Document No.: F-MN-L-213-rev.13	Issuing Authority: Pace Minnesota Quality Office

Sample Condition Upon Receipt

Client Name: CRA

Project #: WO# : 10308544

10308544

Courier: ☑ Fed Ex ☐ UPS ☐ USPS ☐ Client ☐ Commercial ☐ Pace ☐ SpeeDee ☐ Other:

Tracking Number: 577953333952

Custody Seal on Cooler/Box Present? ☑ Yes ☐ No **Seals Intact?** ☑ Yes ☐ No

Optional: Proj. Due Date: Proj. Name:

Packing Material: ☐ Bubble Wrap ☐ Bubble Bags ☐ None ☐ Other: **Temp Blank?** ☐ Yes ☐ No

Thermometer Used: ☐ B88A9130516413 ☑ B88A912167504 ☐ B88A0143310098 **Type of Ice:** ☑ Wet ☐ Blue ☐ None ☐ Samples on ice, cooling process has begun

Cooler Temp Read (°C): 0.0 **Cooler Temp Corrected (°C):** 0.2 **Biological Tissue Frozen?** ☐ Yes ☐ No ☑ N/A

Temp should be above freezing to 6°C **Correction Factor:** +0.2 **Date and Initials of Person Examining Contents:** KB 6/2/15

USDA Regulated Soil (☑ N/A, water sample)

Did samples originate in a quarantine zone within the United States: AL, AR, AZ, CA, FL, GA, ID, LA, MS, NC, NM, NY, OK, OR, SC, TN, TX or WA (check maps)? ☐ Yes ☐ No

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

If Yes to either question, fill out a Regulated Soil Checklist (F-MN-Q-338) and include with SCUR/COC paperwork.

				COMMENTS:
Chain of Custody Present?	☑ Yes	☐ No	☐ N/A	1.
Chain of Custody Filled Out?	☑ Yes	☐ No	☐ N/A	2.
Chain of Custody Relinquished?	☑ Yes	☐ No	☐ N/A	3.
Sampler Name and/or Signature on COC?	☑ Yes	☐ No	☐ N/A	4.
Samples Arrived within Hold Time?	☑ Yes	☐ No	☐ N/A	5.
Short Hold Time Analysis (<72 hr)?	☐ Yes	☑ No	☐ N/A	6.
Rush Turn Around Time Requested?	☐ Yes	☑ No	☐ N/A	7.
Sufficient Volume?	☑ Yes	☐ No	☐ N/A	8.
Correct Containers Used?	☑ Yes	☐ No	☐ N/A	9.
-Pace Containers Used?	☑ Yes	☐ No	☐ N/A	
Containers Intact?	☑ Yes	☐ No	☐ N/A	10.
Filtered Volume Received for Dissolved Tests?	☐ Yes	☑ No	☐ N/A	11. Note if sediment is visible in the dissolved container (Groundwater)
Sample Labels Match COC? -Includes Date/Time/ID/Analysis Matrix: WT	☑ Yes	☐ No	☐ N/A	12.
All containers needing acid/base preservation have been checked? All containers needing preservation are found to be in compliance with EPA recommendation? (HNO_3, H_2SO_4, HCl<2; NaOH >9 Sulfide, NaOH>12 Cyanide) Exceptions: VOA, Coliform, TOC, Oil and Grease, DRO/8015 (water) DOC	☐ Yes ☐ Yes ☐ Yes	☐ No ☐ No ☐ No	☑ N/A ☑ N/A ☐ N/A	13. ☐ HNO_3 ☐ H_2SO_4 ☐ NaOH ☐ HCl Sample # Initial when completed: Lot # of added preservative:
Headspace in VOA Vials (>6mm)?	☐ Yes	☑ No	☐ N/A	14.
Trip Blank Present?	☑ Yes	☐ No	☐ N/A	15.
Trip Blank Custody Seals Present?	☐ Yes	☐ No	☐ N/A	
Pace Trip Blank Lot # (If purchased):				

CLIENT NOTIFICATION/RESOLUTION **Field Data Required?** ☐ Yes ☑ No

Person Contacted: **Date/Time:**

Comments/Resolution:

Project Manager Review: JENN GROSS **Date:** 6/3/15

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEHNR Certification Office (i.e. out of hold, incorrect preservative, out of temp, incorrect containers).

Appendix E
Waste Disposal Documentation

HOUR EMERGENCY RESPONSE, CALL (877) 577-2669 ***

SHIPPING PAPER

Lading Manifest: 615964-15

	DELIVERY DATE: JOB #: 2116765
SHIPPER / CUSTOMER: PCC AEROSTRUCTURES	POINT OF CONTACT: BRANDON BARLOW
ADDRESS: 1215 2ND AVE NORTH	PHONE #: (317)291-7034
CITY, STATE, ZIP: KENT WA 98032	
CARRIER / TRANSPORTER: BURLINGTON ENVIRONMENTAL, LLC	PHONE #: (253)383-3044
CONSIGNEE / FACILITY: BURLINGTON ENVIRONMENTAL, LLC.	POINT OF CONTACT:
ADDRESS: 20245 77TH AVENUE SOUTH	PHONE #: (253)872-8030
CITY, STATE, ZIP: KENT , WA 98032	

HM	US DOT Description *(Including Proper Shipping Name, Hazard Class, and ID Number)*	Containers No.	Containers Type	Total Quantity	UOM
A	NON-DOT/NON RCRA HAZARDOUS MATERIALS (SOIL)	7	DM	1158	P
B	NON-DOT/NON RCRA REGULATED MATERIAL (SLUDGE)	1	DM	595	P
C					
D					

Special Handling Instruction and Additional Information:

a) 703486-00 - NON HAZ SOIL - STAB01 (2) b) 703501-00 - SLUDGE - STAB01 (3) MAIL MANIFESTS TO ATTN: BRANDON BARLOW, CRA, 6520 CORPORATE DRIVE, INDIANAPOLIS, IN 46278.

Placards Provided YES_____ NO_____

SHIPPER'S CERTIFICATION: "I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packaged, marked and labelled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations." I also certify that all times listed above are true and correct.

(SHIPPER) PRINT OR TYPE NAME	SIGNATURE	MONTH	DAY	YEAR
(Brian Pauley on Behalf of PCC	X Brian Pauley on behalf of PCC	6	18	15
(CARRIER/TRANSPORTER) PRINT OR TYPE NAME	SIGNATURE	MONTH	DAY	YEAR
(Jeff Cuculich	X Jeff Cuculich	6	18	15
(CONSIGNEE/FACILITY) PRINT OR TYPE NAME	SIGNATURE	MONTH	DAY	YEAR
(	X			

SHIPPER

Appendix F
Blaine Field Data Sheets

WELL GAUGING DATA

Project # 150528-902 Date 5/28/15 Client CRA

Site 1215 2nd Ave N. Kent WA

Well ID	Time	Well Size (in.)	Sheen / Odor	Depth to Immiscible Liquid (ft.)	Thickness of Immiscible Liquid (ft.)	Volume of Immiscibles Removed (ml)	Depth to water (ft.)	Depth to well bottom (ft.)	Survey Point: TOB or TOC	Notes
MW-9	1500	2					7.75	13.20	TOC	

WELL DEVELOPMENT DATA SHEET

Project #: 150528 - GP2	Client: CRA
Developer: C. Peter	Date Developed: 5/28/15
Well I.D. MW-9	Well Diameter: (circle one) (2) 3 4 6
Total Well Depth: Before 13.20 After	Depth to Water: Before 7.75 After 12.80
Reason not developed:	If Free Product, thickness:
Additional Notations:	

Volume Conversion Factor (VCF):	Well dia.		VCF
{12 x (d^2/4) x π} /231	2"	=	0.16
where	3"	=	0.37
12 = in / foot	4"	=	0.65
d = diameter (in.)	6"	=	1.47
π = 3.1416	10"	=	4.08
231 = in 3/gal	12"	=	6.87

1.0	X	5.0	=	5.0
1 Case Volume		Specified Volumes		gallons

Purging Device: Bailer ☐ Electric Submersible ☐
Middleburg ☑ Suction Pump ☐

Type of Installed Pump
Other equipment used Surge Block

TIME	TEMP (F)	pH	Cond. (mS or (µS))	TURBIDITY (NTUs)	VOLUME REMOVED:	NOTATIONS:
1505	- Surged	well w/ surge Block for 15 min				
1521	- Start	Development —				
1522	86.7	6.73	883.9	>1000	1.0	Grey/Silty
1523	78.9	6.47	913.1	>1000	2.0	Grey/Silty
1525	75.6	6.49	968.1	>1000	3.0	Grey Silty
1526	- Surged	well	with	pump	— DTW- 10.41	
1528	70.9	6.59	872.6	>1000	4.0	Grey/Silty
1530	69.9	6.64	923.7	>1000	5.0	Grey/Silty
1531	68.5	6.70	815.9	>1000	6.0	Grey Silty
1533	68.1	6.75	805.1	>1000	7.0	Grey/Silty
1535	67.5	6.81	810.2	>1000	8.0	Grey/Silty
1538	68.5	6.90	814.1	>1000	9.0	Grey/Silty
1540	69.1	7.02	820.2	>1000	10.0	Grey Silty
Did Well Dewater? yes	If yes, note above.			Gallons Actually Evacuated:		15.0

WELL DEVELOPMENT DATA SHEET

Well I.D. MW-9	PAGE 2 OF 2
Project #: 150528-CP2	Client: CRA

TIME	TEMP (F)	pH	Cond. (mS or µS)	TURBIDITY (NTUs)	VOLUME REMOVED:	NOTATIONS:
1541	- Well Dewatered @				10.0	Grey Silty
						DTW - 12.72
1556	- Restart Development				—	DTW. 12.55
1558	73.5	6.89	945.6	71000	11.0	Grey
1600	68.5	6.81	919.7	71000	12.0	Grey
1602	67.8	6.79	953.3	71000	13.0	Grey
1604	68.2	6.78	959.4	71000	14.0	Grey
1606	67.4	6.78	979.3	71000	15.0	Grey
1607	- Well Dewatered @				15.0	DTW - 12.80
	- Hard Bottom achieved —					
	- Development complete —					

WELLHEAD INSPECTION FORM

Client: CRA Site: 1215 2nd Ave N Kent WA Date: 8/28/15

Job #: 150528.02 Technician: C Peters Page 1 of 1

Well ID	Well Inspected - No Corrective Action Required	Check Indicates deficiency: 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-9				X											

NOTES:

WELL GAUGING DATA

Project # 150601-CP1 Date 6/1/15 Client CRA

Site PCC Aerostructures

Well ID	Time	Well Size (in.)	Sheen / Odor	Depth to Immiscible Liquid (ft.)	Thickness of Immiscible Liquid (ft.)	Volume of Immiscibles Removed (ml)	Depth to water (ft.)	Depth to well bottom (ft.)	Survey Point: TOB or TOC	Notes
MW-1	0734	2					8.62	16.99		
MW-2	0732	2					8.11	16.45		
MW-3	0737	2					8.89	15.95		
MW-4	0729	2					6.51	14.50		
MW-5	0728	2					6.99	14.92		
MW-6	0740	2					9.80	14.52		
MW-7	0742	2					8.99	14.71		
MW-8	0745	2					9.81	14.75		
MW-9	0736	2					8.11	14.21	↓	

LOW FLOW WELL MONITORING DATA SHEET

Project #: 150601-CP1	Client: CRA
Sampler: C. Peters	Gauging Date: 6/1/15
Well I.D.: MW-1	Well Diameter (in.): (2) 3 4 6 8 ___
Total Well Depth (ft.): 16.99	Depth to Water (ft.): 8.62
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	Flow Cell Type: YSI 556

Purge Method: 2" Grundfos Pump ; (Peristaltic Pump) Bladder Pump
Sampling Method: Dedicated (Tubing) New Tubing Other ___

Start Purge Time: 0852 Flow Rate: 100 mL/min Pump Depth: 13'

Time	Temp. (°C or °F)	pH	Cond. (mS/cm or µS/cm)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or mL)	Depth to Water (ft.)
0858	14.63	6.41	1292	14	2.39	78.1	600	8.65
0901	14.79	6.48	1319	11	2.10	43.9	900	8.65
0904	14.82	6.51	1327	8	2.05	32.2	1200	8.65
0907	14.85	6.52	1333	8	2.06	29.9	1500	8.65
0910	14.87	6.53	1335	6	2.07	29.9	1800	8.65

Did well dewater? Yes (No) Amount actually evacuated: 1.8L

Sampling Time: 0912 Sampling Date: 6/1/15

Sample I.D.: MW-1 Laboratory: Pace

Analyzed for: TPH-G BTEX MTBE TPH-D Other: See COC

Equipment Blank I.D.: @ Time Duplicate I.D.:

LOW FLOW WELL MONITORING DATA SHEET

Project #: 150601-CP1	Client: CRA
Sampler: C. Peters	Gauging Date: 6/1/15
Well I.D.: MW-2	Well Diameter (in.): (2) 3 4 6 8 ___
Total Well Depth (ft.): 16.45	Depth to Water (ft.): 8.11
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	Flow Cell Type: YSI 556

Purge Method: 2" Grundfos Pump ; Peristaltic Pump Bladder Pump
Sampling Method: Dedicated Tubing New Tubing Other ___

Start Purge Time: 0920 Flow Rate: 100 mL/min Pump Depth: 12'

Time	Temp. (°C or °F)	pH	Cond. (mS/cm or µS/cm)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or mL)	Depth to Water (ft.)
0926	15.45	6.86	645	14	1.90	8.9	600	8.15
0929	15.50	6.84	617	22	1.79	-1.6	900	8.15
0932	15.00	6.81	600	20	1.77	-2.7	1200	8.15
0935	15.68	6.79	597	21	1.77	-3.2	1500	8.15
0938	15.72	6.75	595	24	1.76	-3.8	1800	8.15
					~~1.75~~	~~-4.8~~		

Did well dewater? Yes (No) Amount actually evacuated: 1.8L

Sampling Time: 0940 Sampling Date: 6/1/15

Sample I.D.: MW-2 Laboratory: Pace

Analyzed for: TPH-G BTEX MTBE TPH-D Other: See COC

Equipment Blank I.D.: @ Time Duplicate I.D.:

LOW FLOW WELL MONITORING DATA SHEET

Project #: 150601-CP1	Client: CRA
Sampler: C. Peters	Gauging Date: 6/1/15
Well I.D.: MW-3	Well Diameter (in.): (2) 3 4 6 8 ___
Total Well Depth (ft.): 15.95	Depth to Water (ft.): 8.89
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	Flow Cell Type: YSI 556

Purge Method: 2" Grundfos Pump ; (Peristaltic Pump) Bladder Pump
Sampling Method: Dedicated Tubing (New Tubing) Other ___

Start Purge Time: 0945 Flow Rate: 100 mL/min Pump Depth: 12.5'

Time	Temp. (°C or °F)	pH	Cond. (mS/cm or µS/cm)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or (mL))	Depth to Water (ft.)
0951	14.64	6.54	1018	25	1.99	36.1	600	8.93
0954	14.60	6.58	1036	18	1.83	19.6	900	8.93
0957	14.62	6.59	1048	12	1.70	1.98	1200	8.93
1000	14.63	6.60	1050	10	1.69	1.0	1500	8.93
1003	14.65	6.59	1055	9	1.67	0.7	1800	8.93

Did well dewater? Yes (No) Amount actually evacuated: 1.8L

Sampling Time: 1005 Sampling Date: 6/1/15

Sample I.D.: MW-3 Laboratory: Pace

Analyzed for: TPH-G BTEX MTBE TPH-D Other: See COC

Equipment Blank I.D.: @ Time Duplicate I.D.:

LOW FLOW WELL MONITORING DATA SHEET

Project #: 150601-CP1	Client: CRA
Sampler: C. Peters	Gauging Date: 6/1/15
Well I.D.: MW-4	Well Diameter (in.): (2) 3 4 6 8 ___
Total Well Depth (ft.): 14.50	Depth to Water (ft.): 6.51
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	Flow Cell Type: YSI 556

Purge Method: 2" Grundfos Pump ; (Peristaltic Pump) Bladder Pump
Sampling Method: Dedicated (Tubing) New Tubing Other ___

Start Purge Time: 0755 Flow Rate: 100 mL/min Pump Depth: 10

Time	Temp. (°C or °F)	pH	Cond. (mS/cm or µS/cm)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or mL)	Depth to Water (ft.)
0801	16.09	7.26	467	20	3.15	91.7	600	6.55
0804	16.06	7.15	465	17	2.94	88.5	900	6.55
0807	15.99	7.05	464	21	2.85	82.1	1200	6.55
0810	15.91	7.02	466	23	2.75	79.4	1500	6.55
0813	15.83	6.96	469	24	2.60	76.1	1800	6.55

Did well dewater? Yes (No) Amount actually evacuated: 1.8L

Sampling Time: 0815 Sampling Date: 6/1/15

Sample I.D.: MW-4 Laboratory: Pace

Analyzed for: TPH-G BTEX MTBE TPH-D Other: See COC

Equipment Blank I.D.: @ Time Duplicate I.D.:

LOW FLOW WELL MONITORING DATA SHEET

Project #: 150601-CP1	Client: CRA
Sampler: Q. Peters	Gauging Date: 6/1/15
Well I.D.: MW-5	Well Diameter (in.): (2) 3 4 6 8 ___
Total Well Depth (ft.): 14.92	Depth to Water (ft.): 6.99
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	Flow Cell Type: YSI 556

Purge Method: 2" Grundfos Pump : Peristaltic Pump Bladder Pump
Sampling Method: Dedicated Tubing New Tubing Other ___

Start Purge Time: 0825 Flow Rate: 100 mL/min Pump Depth: 11'

Time	Temp. (°C or °F)	pH	Cond. (mS/cm or µS/cm)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or mL)	Depth to Water (ft.)
0831	15.65	6.61	794	31	2.51	91.7	600	7.02
0834	15.75	6.63	798	19	2.33	78.3	900	7.02
0837	15.78	6.64	799	15	2.29	74.1	1200	7.02
0840	15.78	6.65	797	12	2.23	70.2	1500	7.02
0843	15.80	6.65	798	10	2.15	65.1	1800	7.02

Did well dewater? Yes (No) Amount actually evacuated: 1.8L

Sampling Time: 0845 Sampling Date: 6/1/15

Sample I.D.: MW-5 Laboratory: Pace

Analyzed for: TPH-G BTEX MTBE TPH-D Other: See COC

Equipment Blank I.D.: @ Time Duplicate I.D.:

LOW FLOW WELL MONITORING DATA SHEET

Project #: 150601-CP1	Client: CRA
Sampler: C. Peters	Gauging Date: 6/1/15
Well I.D.: MW-6	Well Diameter (in.): (2) 3 4 6 8 ___
Total Well Depth (ft.): 14.52	Depth to Water (ft.): 9.80
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	Flow Cell Type: YSI 556

Purge Method: 2" Grundfos Pump ; (Peristaltic Pump) Bladder Pump
Sampling Method: Dedicated (Tubing) New Tubing Other ___

Start Purge Time: 1008 Flow Rate: 100 mL/min Pump Depth: 12

Time	Temp. (°C or °F)	pH	Cond. (mS/cm or µS/cm)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or mL)	Depth to Water (ft.)
1014	15.22	6.67	969	27	1.76	12.1	600	9.85
1017	15.32	6.68	976	24	1.64	4.4	900	9.85
1020	15.36	6.69	976	17	1.61	3.1	1200	9.85
1023	15.37	6.69	975	15	1.61	3.0	1500	9.85
1026	15.39	6.69	976	12	1.60	2.9	1800	9.85

Did well dewater? Yes (No) Amount actually evacuated: 1.8L

Sampling Time: 1028 Sampling Date: 6/1/15

Sample I.D.: MW-6 Laboratory: Pace

Analyzed for: TPH-G BTEX MTBE TPH-D Other: See COC

Equipment Blank I.D.: @ Time Duplicate I.D.:

LOW FLOW WELL MONITORING DATA SHEET

Project #: 150601-CP1	Client: CRA
Sampler: Q. Peters	Gauging Date: 6/1/15
Well I.D.: MW-7	Well Diameter (in.): (2) 3 4 6 8 ___
Total Well Depth (ft.): 14.71	Depth to Water (ft.): 8.99
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	Flow Cell Type: YSI 556

Purge Method: 2" Grundfos Pump (Peristaltic Pump) Bladder Pump
Sampling Method: Dedicated Tubing (New Tubing) Other ___

Start Purge Time: 1034 Flow Rate: 100 mL/min Pump Depth: 12'

Time	Temp. (°C or °F)	pH	Cond. (mS/cm or µS/cm)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or mL)	Depth to Water (ft.)
1040	15.43	6.72	850	20	1.89	33.1	600	9.04
1043	15.57	6.72	849	17	1.55	30.6	900	9.04
1046	15.56	6.72	847	12	1.52	29.9	1200	9.04
1049	15.57	6.72	846	9	1.49	27.5	1500	9.04
1052	15.56	6.72	846	10	1.51	30.1	1800	9.04

Did well dewater? Yes (No) Amount actually evacuated: 1.8L

Sampling Time: 1055 Sampling Date: 6/1/15

Sample I.D.: MW-7 Laboratory: Pace

Analyzed for: TPH-G BTEX MTBE TPH-D Other: See COC

Equipment Blank I.D.: @ Time Duplicate I.D.:

LOW FLOW WELL MONITORING DATA SHEET

Project #: 150601-CP1	Client: CRA
Sampler: C. Peters	Gauging Date: 6/1/15
Well I.D.: MW-8	Well Diameter (in.): (2) 3 4 6 8 ___
Total Well Depth (ft.): 14.75	Depth to Water (ft.): 9.81
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	Flow Cell Type: YSI 556

Purge Method: 2" Grundfos Pump ; Peristaltic Pump Bladder Pump
Sampling Method: Dedicated Tubing New Tubing Other ___

Start Purge Time: 1104 Flow Rate: 100 mL/min Pump Depth: 12.5'

Time	Temp. (°C or °F)	pH	Cond. (mS/cm or µS/cm)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or mL)	Depth to Water (ft.)
1110	15.56	6.74	776	52	1.70	12.5	600	9.89
1113	15.61	6.74	774	44	1.60	3.9	900	9.89
1116	15.64	6.74	775	37	1.57	3.6	1200	9.89
1119	15.66	6.74	774	32	1.56	3.0	1500	9.89
1122	15.69	6.75	774	30	1.55	2.9	1800	9.89

Did well dewater? Yes (No) Amount actually evacuated: 1.8L

Sampling Time: 1124 Sampling Date: 6/1/15

Sample I.D.: MW-8 Laboratory: Pace

Analyzed for: TPH-G BTEX MTBE TPH-D Other: See COC

Equipment Blank I.D.: @ Time Duplicate I.D.:

LOW FLOW WELL MONITORING DATA SHEET

Project #: 150601-CP1	Client: CRA
Sampler: Q. Peters	Gauging Date: 6/1/15
Well I.D.: MW-9	Well Diameter (in.): (2) 3 4 6 8 ___
Total Well Depth (ft.): 14.21	Depth to Water (ft.): 8.11
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	Flow Cell Type: YSI 556

Purge Method: 2" Grundfos Pump ; Peristaltic Pump ; Bladder Pump
Sampling Method: Dedicated Tubing ; New Tubing ; Other ___

Start Purge Time: 1143 Flow Rate: 100 mL/min Pump Depth: 11'

Time	Temp. (°C or °F)	pH	Cond. (mS/cm or µS/cm)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or mL)	Depth to Water (ft.)
1149	16.35	6.69	914	205	1.70	84.1	600	8.52
1152	16.37	6.70	921	301	1.57	70.1	900	8.55
1155	16.32	6.71	921	290	1.54	64.5	1200	8.59
1158	16.24	6.71	920	280	1.52	61.3	1500	8.61
1201	16.20	6.72	920	269	1.50	59.5	1800	8.64

Did well dewater? Yes (No) Amount actually evacuated: 1.8L

Sampling Time: 1202 Sampling Date: 6/1/15

Sample I.D.: MW-9 Laboratory: Pace

Analyzed for: TPH-G BTEX MTBE TPH-D Other: See COC

Equipment Blank I.D.: TB-1 @ Time 0715 Duplicate I.D.: DUP-1

WELLHEAD INSPECTION FORM

Client: CRA Site: PCC Aerostructures Date: 6/1/15

Job #: 150601-CP1 Technician: C Peters Page 1 of 1

Well ID	Well Inspected - No Corrective Action Required	Check Indicates deficiency: 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	X														
MW-2	X														
MW-3	X														
MW-4	X														
MW-5	X														
MW-6										X					steel plate on top of well
MW-7	X														
MW-8	X														
MW-9	X														

NOTES:

TEST EQUIPMENT CALIBRATION LOG

PROJECT NAME CRA @ PCS Aerostructures				PROJECT NUMBER 150601 - CP1			
EQUIPMENT NAME	EQUIPMENT NUMBER	DATE/TIME OF TEST	STANDARDS USED	EQUIPMENT READING	CALIBRATED TO: OR WITHIN 10%:	TEMP.	INITIALS
YSI 556	09M160 592	6/1/15 0715	pH 4.0 7.0 10.0	4.09 6.97 9.95	✓ ✓ ✓	16.37	CP
			Conduct 3900	3.750	✓	16.41	CP
			ORP 2420	238.1	✓	16.50	CP
			D.O. 100%	✓	✓	16.49	CP

Pace Analytical

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Page : 1 Of 1

Section A Required Client Information:	Section B Required Project Information:	Section C Invoice Information:	
Company: CRA	Report To: cmcclelland@craworld.com	Attention: Accounts Payable	
20818 44th Ave W, Suite 190	Copy To: jcloud@craworld.com	Company Name: CRA	Regulatory Agency
Lynnwood, WA 98036	Copy To: jerth@craworld.com	Address: 20818 44th Ave W, Lynwood 98036	
Email To: cmcclelland@craworld.com	Purchase Order No. 4069907	Pace Quote Reference:	
Phone: Fax	Client Project ID: 062175-03- Pro-Coat Q4	Pace Project Manager: Jenni Gross	State / Location
Requested Due Date/TAT: 10 Day (Standard)	Container Order Number:	Pace Profile #: 33857 #1	Kent/ WA

ITEM#	SAMPLE ID (A-Z, 0-9 / , -) Sample Ids must be unique	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED START DATE	COLLECTED START TIME	COLLECTED END DATE	COLLECTED END TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H2SO4	HNO3	HCl	NaOH	Na2S2O3	Methanol	Other	Analyses Test Y/N	Requested Analysis Filtered (Y/N): 8260 Full List VOCs	**6020 Dissolved As, Cd, Cr	Residual Chlorine (Y/N)
1	MW-1	WT	G			6/1/15	0912		4	X			X						X	X	
2	MW-2	WT	G				0940		4	X			X						X	X	
3	MW-3	WT	G				1005		4	X			X						X	X	
4	MW-4	WT	G				0815		4	X			X						X	X	
5	MW-5	WT	G				0845		4	X			X						X	X	
6	MW-6	WT	G				1028		4	X			X						X	X	
7	MW-7	WT	G				1055		4	X			X						X	X	
8	MW-8	WT	G				1124		4	X			X						X	X	
9	MW-9	WT	G				1202		4	X			X						X	X	
10	DUP-1	WT	G				-		4	X			X						X	X	
11	TB-1	WT	G				0715		2				X						X		
12																					

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
**Lab to filter and preserve	Craig Peters	6/1/15	1419	PACE	6/1/15	1419	

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Craig Peters

SIGNATURE of SAMPLER: Craig Peters DATE Signed: 6/1/15

TEMP in C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)

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