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Polychlorinated Biphenyl Transformer Pad and Soil Removal Documentation

WDNR FID 2300004500, BRRTS #02-30-000327

Under a TSCA-Coordinated Review for the Former Kenosha Engine Plant

City of Kenosha

Project number: 60334107

December 27, 2017

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Under a TSCA-coordinated Review for the former Kenosha Engine Plant
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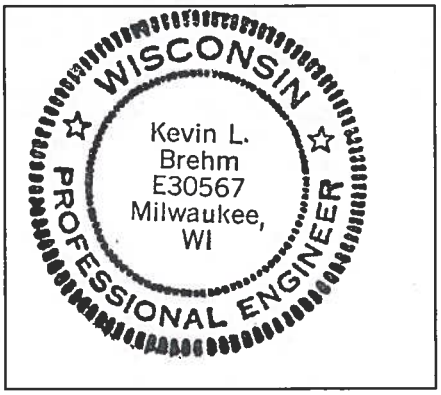
In conformance with NR 712.09 submittal certification requirements:
"I, Lanette Altenbach, hereby certify that I am a hydrogeologist as that term is defined in s. NR 712.03 (1), Wis. Adm. Code, am registered in accordance with the requirements of ch. GHSS 2, Wis. Adm. Code, or licensed in accordance with the requirements of ch. GHSS 3, Wis. Adm. Code, and that, to the best of my knowledge, all of the information contained in this document is correct and the document was prepared in compliance with all applicable requirements in chs. NR 700 to 726, Wis. Adm. Code."

Lanette Altenbach, P.G., C.P.G.
Senior Hydrogeologist

"I, Kevin L. Brehm, hereby certify that I am a registered professional engineer in the State of Wisconsin, registered in accordance with the requirements of ch. A-E 4, Wis. Adm. Code; that this document has been prepared in accordance with the Rules of Professional Conduct in ch. A-E 8, Wis. Adm. Code; and that, to the best of my knowledge, all information contained in this document is correct and the document was prepared in compliance with all applicable requirements in chs. NR 700 to 726, Wis. Adm. Code."

Kevin L. Brehm, P.E.,
Principal/Office Manager



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Executive Summary

AECOM Technical Services, Inc. (AECOM), on behalf of the City of Kenosha has prepared this remediation documentation report to the United States Environmental Protection Agency (US EPA) and the Wisconsin Department of Natural Resources (WDNR) for the removal of polychlorinated biphenyls (PCBs) impacted transformer pad and PCB contaminated soil at the former Kenosha Engine Plant. The KEP site is considered a Type A site under the PCB Remediation in Wisconsin under the One Cleanup Program Memorandum of Agreement (RR-786, November 2014). However, in an email dated November 17, 2014, the WDNR and US EPA agreed that the City of Kenosha could request a TSCA-coordinated approval under 40CFR§761.77(a)(1) to follow the state NR 700 cleanup process with both WDNR and US EPA receiving copies of work plans for review and approval. A Notice of Release and Request for TSCA-Coordinated Review was submitted to both agencies. The request for coordinated review was approved by WDNR and US EPA in a March 24, 2016 e-mail allowing for the work be conducted following the WDNR NR 700 cleanup process.

The *Polychlorinated Biphenyl (PCB) Transformer Pad and Soil Removal Work Plan* (AECOM 2017) for the PCB transformer pad and soil removal was submitted for review and approval under a coordinated review in April 7, 2017. The work plan was approved on May 19, 2017 by the WDNR and on June 12, 2017 by the US EPA. The transformer pad and PCB-impacted soil were removed as part of the on-going site wide soil remediation activities conducted in 2017 at the KEP, as described in the *Soil Remedial Design Report* (Soil RDR, AECOM, June 2015). The transformer pad area was identified as remediation area E9P in the Soil RDR and the PCB-impacted soil removal in the vicinity of PZ-413 was identified as excavation E23P.

The PCB-impacted concrete from a transformer pad was removed along with a two-foot thickness of soil from below the pad. Verification sampling was conducted across the bottom of the excavated area. Residual PCBs were detected in three samples, but the concentration for each sample was less than the required cleanup standard of one milligram per kilogram (1 mg/kg). Each of the three detected concentrations exceeds the Wisconsin generic RCL calculated for the groundwater pathway. PCBs are not water soluble and groundwater analysis in nearby wells did not detect PCBs in the groundwater. Thus, the pathway is likely not complete. One of the three sample concentrations was also above the non-industrial direct contact RCL. The former transformer pad is within an area planned for a permanent cap as part of redevelopment, thus the non-industrial direct contact pathway will be controlled.

PCB-impacted soil removed in the vicinity of PZ-413 (excavation E23P) was from an area on the east side of Building 53 under the buried fire-water line where soil with higher concentrations of PCBs had been previously removed (Haley & Aldrich, 2012). The PCB-impacted soils were generally found midway between the surface and the water table or approximately six to eight feet bgs. The soil in this area was excavated to the apparent water table (approximately 12 feet bgs). Post-excavation verification samples were collected from the sidewalls and bottom of the excavation. PCBs were not detected in the verification samples.

The PCB-impacted areas were remediated to below the cleanup standard of one mg/kg. No further action is required.

1. Introduction

AECOM Technical Services, Inc. (AECOM), on behalf of the City of Kenosha has prepared this remediation documentation report to the United States Environmental Protection Agency (US EPA) and the Wisconsin Department of Natural Resources (WDNR) for the removal of polychlorinated biphenyls (PCBs) impacted transformer pad and PCB contaminated soil at the former Kenosha Engine Plant. The KEP site is considered a Type A site under the PCB Remediation in Wisconsin under the One Cleanup Program Memorandum of Agreement (RR-786, November 2014). However, in an email dated November 17, 2014, the WDNR and US EPA agreed that the City of Kenosha could request a TSCA coordinated approval under 40CFR§761.77(a)(1) to follow the state NR 700 cleanup process with both WDNR and US EPA receiving copies of work plans for review and approval. A Notice of Release and Request for TSCA-coordinated Review was submitted to both agencies. The request for coordinated review was approved by WDNR and US EPA in a March 24, 2016 e-mail allowing for the work be conducted following the WDNR NR 700 cleanup process.

The *Polychlorinated Biphenyl (PCB) Transformer Pad and Soil Removal Work Plan* (AECOM 2017) for the PCB transformer pad and soil removal was submitted for review and approval under a coordinated review in April 7, 2017. The work plan was approved on May 19, 2017 by the WDNR and on June 12, 2017 by the US EPA. The transformer pads and PCB-impacted soil were removed as part of the on-going site wide soil remediation activities conducted in 2017 at the KEP, as described in the *Soil Remedial Design Report* (Soil RDR, AECOM, June 2015). The transformer pad area was identified as remediation area E9P in the Soil RDR and the PCB-impacted soil removal in the vicinity of PZ-413 was identified as excavation E23P.

1.1 Site Location and Description

The KEP is located in southeast ¼ of Section 36, Township 2 North, Range 22 East (Figure 1). The KEP includes approximately 100 acres of land and is located at 5555 - 30th Avenue, Kenosha, Kenosha County, Wisconsin. The buildings were demolished in 2013 and the property was abandoned (through bankruptcy) to the City of Kenosha on February 12, 2014. Historic operations at the KEP included automobile manufacturing and assembly, while more recent operations were focused on the manufacture of automotive engines.

1.2 Purpose and Scope

The purpose of this report is to document the PCB/soil remediation at the former TSCA transformer pad area referred as excavation area E9P in the Soil RDR and the PCB exceedance in soil reported at PZ-413, herein referred to as the E23P soil excavation. The excavation locations are depicted in the site layout in Figure 2.

1.3 Site Contacts

Site Owner: City of Kenosha
625 52nd Street, Room 305
Kenosha, WI 53140
Contact: Shelly Billingsley, P.E.
262-653-4050

Oversight Agencies
Wisconsin Department of Natural Resources
Southeast Region
141 NW Barstow St, Room 180
Waukesha, WI 53188
Contact: David Volkert, 262-574-2166

Laboratory: Pace Analytical Laboratory
1241 Bellevue Street, Suite 9
Green Bay, WI 54302
Contact: Chris Hyska
920-321-9407

Soil Removal Contractor: Oakes & Son
2000Oakes Road
Racine, Wisconsin 53406
Contact: Mike Newholm
(262) 886-4474

US Environmental Protection Agency
Region V
77 W. Jackson Boulevard,
Chicago, Il 60606
Contact: Don Heller, (312) 353-1248

Consultant: AECOM
1555 RiverCenter Drive, Suite 214
Milwaukee, WI 53212
Contact: Lanette Altenbach, P.G.
414-944-6186

Disposal Location: Republic Services
Kestrel Hawk Park Landfill
1989 Oakes Rd
Racine, WI 53406
(262) 884-7080

2. Project Background

Prior evaluations of the property included testing for PCBs on various surfaces within the former buildings and machinery prior to demolition, as well as soil and groundwater testing, and sediment evaluations within the on-site sewer system. Since the Chrysler bankruptcy, only two instances of PCB contamination levels above TSCA levels were identified: sediment in one on-site sanitary sewer system manhole (Manhole 201) located in the northern portion of the KEP, which will be addressed in the future, and a former soil pile which was investigated and subsequently removed in 2012 by the liquidation trust (Haley & Aldrich, May 2012).

Seven transformer locations were identified from Chrysler drawings by the demolition contractor as locations from which oil-filled transformers were removed. In November 2014 concrete chip samples were collected from the concrete pads that formerly supported the transformers. The chip samples were collected from stained areas on the concrete pads (if present) and if stains were not present a composite sample was prepared from chips collected at multiple locations on the slab. A *Transformer Pad PCB Sampling Results* (AECOM, November 2015) documented that the concrete from only one of the former transformer pads had detectable concentrations of PCBs. The detected concentration of total PCBs in the concrete from the CS5 transformer pad was 46.5 milligram/kilogram (mg/kg), which is below the TSCA limit of 50 mg/kg, but was greater than 1 mg/kg.

Although PCBs were not detected in subsurface soil at a concentration above the TSCA limit of 50 mg/kg, site investigation activities identified elevated PCB concentrations (greater than 25 mg/kg) in the vicinity of the firewater subsurface pipeline between former Building 53 to the west and Buildings 67 and 68 to the east at a concentration of 27.1 mg/kg (PZ-413, 9-10 feet [ft] below ground surface [bgs]). This was also the area from which the 2012 soil pile originated. This area was identified in the Soil RDR for excavation (E23P) and is also included in this PCB remediation documentation report. Additional details can also be found in the *Site Investigation Report* (AECOM, February 2015).

3. Construction Documentation

The PCB transformer pad and soil remediation began on June 28, 2017 with the excavation and backfilling of soil excavation E23P, and was completed after the removal of the concrete transformer pad and soil below the transformer pad on July 1, 2017. The remedial activities included the following activities:

- Breaking and removal of the surface concrete in the vicinity of the excavation area E23P.
- Excavation of soil and disposal at the Kestrel Hawk RDF Landfill (Racine, WI).
- Backfilling of excavation E23P.
- Breaking, removal and stockpiling of the PCB transformer pad concrete.
- Excavation of a two-foot thickness of soil below the former transformer pad concrete.
- Post-excavation sampling of E9P and E23P as depicted in the work plan.
- Backfilling of excavation E23P.
- Disposal of the transformer pad concrete and soil from below the concrete at the Kestrel Hawk RDF Landfill (Racine, WI).

These activities are described below. Select photographs of the activities are provided in Appendix A.

3.1 Transformer Pad Remediation (E9P)

The former transformer pads were fragmented into manageable sizes by a breaker bar. A backhoe was then used to remove the concrete chunks. Approximately 109 tons of (700 square feet) of concrete were removed and disposed from the E9P area. Following the complete removal of the concrete pad, subsurface soil beneath the pad was excavated to a depth of approximately 2 feet bgs. Approximately 137 tons of soil were removed and disposed from below the former transformer pad. The results of the soil samples collected at the base of the excavation were used to determine that further soil excavation was not necessary. A copy of the landfill summary sheet documenting disposal is included in Appendix B.

3.1.1 E9P Post-Removal Verification Sample Collection and Results

Remediation verification samples for E9P were collected at 13 discrete locations from the base of the shallow excavation as proposed in the work plan. This sample spacing roughly correlated to one sample for every 50 square feet of the excavation footprint. The samples were collected using a decontaminated stainless steel soil core sampler that was manually advanced into the soil at the predetermined locations. Due to the shallow depth of the excavation, all samples were collected from the base of the excavation. The samples were placed in laboratory provided containers and submitted to Pace Analytical a Wisconsin Certified Laboratory for analysis of PCBs using Method SW-846 8082. The laboratory analytical results are provided on Table 1. The sample locations and analytical results are shown in Figure 3. A copy of the laboratory analytical report is included in Appendix C.

PCBs were not detected in ten of the 13 samples. In the three samples with detected PCBs, the detected concentrations were less than one milligram per kilogram (mg/kg), the identified and approved cleanup value. It should be noted though, that one concentration (9P-B-2, 0.268 mg/kg) exceeded the non-industrial direct contact and groundwater pathway residual contaminant level (RCL). The detected concentrations in the other two samples, 9P-B-12 (0.0898 mg/kg) and 9P-B-13 (0.035 mg/kg) exceeded only the groundwater pathway RCL. This area is planned for a future permanent cap and thus, human health will be protected from direct contact in this area. Groundwater samples from the nearby monitoring well, MW-301, were previously tested for PCBs and PCBs were not detected. It is unlikely the low concentrations of PCBs in soil will leach to the groundwater because PCBs are not readily soluble in water.

3.1.2 E9P Excavation Backfill

Backfilling the transformer pad area was not necessary because the soil and concrete removal resulted in a surface elevation consistent with the planned final grades.

3.2 Soil Remediation (Excavation E23P)

Soil was excavated from area E23P to a depth of 12 feet below ground surface. Existing well pairs MW-72/PZ-72 and MW-413/PZ-413, located within the excavation limits were previously abandoned as part of the site-wide soil remediation. Approximately 5,522 tons (about 3,400 cubic yards) of soil were removed from excavation E23P from June 28, 2017 to June 30, 2017. The excavation was backfilled after the verification samples were collected. A copy of the landfill summary sheet documenting disposal is included in Appendix B.

3.2.1 E23P Post-Excavation Verification Samples and Results

Due to accessibility/site safety issues, samples were collected from representative locations using the backhoe bucket. Thirteen discrete soil samples were collected from the sidewalls and base of the excavation, which correlated to a 30-foot sample spacing across of the excavation footprint. This sampling plan was similar to that used in previous KEP soil excavations removing organic contaminants. The samples were placed in laboratory provided containers and submitted to Pace Analytical, a Wisconsin-certified laboratory for analysis of PCBs using Method SW-846 8082. The laboratory analytical results are provided on Table 2. The sample locations and analytical results are shown in Figure 4. A copy of the laboratory analytical report is included in Appendix C.

3.2.2 E23P Excavation Backfill

Excavation E23P was backfilled after the proposed extent and depth of the excavation was achieved and verification samples had been collected. The backfill material for the excavation was from two WDNR-approved sources. One source was clean clay from a new development for Festival Foods. The other backfill, sandy, gravelly silt, was obtained from the City of Kenosha Water Utility, also a pre-approved source. The Festival Foods backfill was used for the lower three feet and upper four feet of the excavation. The sandy silt backfill was sandwiched in between the two clay backfill lifts. The backfill was placed and compacted in one to two foot lifts. The surface of the excavation was completed with crushed concrete.

4. Summary

This remedial documentation report was prepared for the City of Kenosha to record the activities taken to remove PCB-contaminated concrete and soil located at the KEP. This removal was conducted in conjunction with site-wide soil remediation. The approved work plan identified post-removal sample locations and samples were collected as designated.

The PCB-impacted concrete from a transformer pad was removed along with a two-foot thickness of soil from below the pad. Verification sampling was conducted across the bottom of the excavated area. Residual PCBs were detected in three samples, but the concentration for each sample was less than the required cleanup standard of one milligram per kilogram (1 mg/kg). Each of the three detected concentrations exceeds the Wisconsin generic RCL calculated for the groundwater pathway. PCBs are not water soluble and groundwater analysis in nearby wells did not detect PCBs in the groundwater. Thus, the pathway is likely not complete. One of the three sample concentrations was also above the non-industrial direct contact RCL. The area of the former transformer pad is within an area planned for a permanent cap as part of redevelopment, thus the non-industrial direct contact pathway will be controlled.

PCB-impacted soil was also removed from an area where soil with higher concentrations of PCBs had been previously removed (Haley & Aldrich, 2012). The PCB-impacted soils were generally found midway between the surface and the water table or approximately six to eight feet bgs. The soil in this area was excavated to the apparent water table (approximately 12 feet bgs). Post-excavation verification samples were collected from the sidewalls and bottom of the excavation. PCBs were not detected in the verification samples.

The PCB-impacted areas were remediated to below the cleanup standard of one mg/kg. No further action is required.

5. References

AECOM, February 2015, *Site Investigation Report*

AECOM, June 2015, *Soil Remedial Design Report*

AECOM, November 2015, *Transformer Pad PCB Sampling Results*

Haley & Aldrich, May 2012, *Cleanup Completion Report for the PCB Soil Pile Area at the Chrysler Engine Plant, 5555 30th Avenue, Kenosha, Wisconsin*

Tables

Table 1 – E9P Excavation Verification Sample Results
Table 2 – E23P Excavation Verification Sample Results

Table 1
E9P Excavation Verification Sample Results
PCBs in Soil
Kenosha Engine Plant

	Generic RCLs			9P-B-1	9P-B-2	9P-B-3	9P-B-4	9P-B-5	9P-B-6	9P-B-7
	Direct Contact Pathway		Groundwater	2	2	2	2	2	2	2
Parameters	Non-Industrial	Industrial	Pathway	7/3/2017	7/3/2017	7/3/2017	7/3/2017	7/3/2017	7/3/2017	7/3/2017
PCBs (mg/kg)										
PCB-1016 (Aroclor 1016)	4.1	28.0	0.0094	<0.0292	<0.0341	<0.0347	<0.0315	<0.0374	<0.0354	<0.0302
PCB-1221 (Aroclor 1221)	0.213	0.883	0.0094	<0.0292	<0.0341	<0.0347	<0.0315	<0.0374	<0.0354	<0.0302
PCB-1232 (Aroclor 1232)	0.19	0.792	0.0094	<0.0292	<0.0341	<0.0347	<0.0315	<0.0374	<0.0354	<0.0302
PCB-1242 (Aroclor 1242)	0.235	0.972	0.0094	<0.0292	<0.0341	<0.0347	<0.0315	<0.0374	<0.0354	<0.0302
PCB-1248 (Aroclor 1248)	0.236	0.975	0.0094	<0.0292	<0.0341	<0.0347	<0.0315	<0.0374	<0.0354	<0.0302
PCB-1254 (Aroclor 1254)	0.239	0.988	0.0094	<0.0292	<0.0341	<0.0347	<0.0315	<0.0374	<0.0354	<0.0302
PCB-1260 (Aroclor 1260)	0.243	1.0	0.0094	**0.268** AC	<0.0341	<0.0347	<0.0315	<0.0374	<0.0354	<0.0302
PCB, Total	0.234	0.967	0.0094	**0.268** AC	<0.0341	<0.0347	<0.0315	<0.0374	<0.0354	<0.0302

	Generic RCLs			9P-B-8	9P-B-9	9P-B-10	9P-B-11	9P-B-12	9P-B-13
	Direct Contact Pathway		Groundwater	2	2	2	2	2	2
Parameters	Non-Industrial	Industrial	Pathway	7/3/2017	7/3/2017	7/3/2017	7/3/2017	7/3/2017	7/3/2017
PCBs (mg/kg)									
PCB-1016 (Aroclor 1016)	4.1	28.0	0.0094	<0.0346	<0.0296	<0.0304	<0.0350	<0.0344	<0.0343
PCB-1221 (Aroclor 1221)	0.213	0.883	0.0094	<0.0346	<0.0296	<0.0304	<0.0350	<0.0344	<0.0343
PCB-1232 (Aroclor 1232)	0.19	0.792	0.0094	<0.0346	<0.0296	<0.0304	<0.0350	<0.0344	<0.0343
PCB-1242 (Aroclor 1242)	0.235	0.972	0.0094	<0.0346	<0.0296	<0.0304	<0.0350	<0.0344	<0.0343
PCB-1248 (Aroclor 1248)	0.236	0.975	0.0094	<0.0346	<0.0296	<0.0304	<0.0350	<0.0344	<0.0343
PCB-1254 (Aroclor 1254)	0.239	0.988	0.0094	<0.0346	<0.0296	<0.0304	<0.0350	<0.0344	<0.0343
PCB-1260 (Aroclor 1260)	0.243	1.0	0.0094	<0.0346	<0.0296	<0.0304	<0.0350	**0.0898** C	**0.035** JC
PCB, Total	0.234	0.967	0.0094	<0.0346	<0.0296	<0.0304	<0.0350	**0.0898** C	**0.035** JC

Notes:

PCBs = Polychlorinated Biphenyls

mg/kg = Milligrams per kilogram.

-- = No generic RCL established.

J = Estimated value.

Generic RCLs per WDNR PUB-RR-890 using the March 2017 update to the calculating spreadsheet

A = Parameter exceeds Generic RCL for Non-Industrial Direct Contact.

B = Parameter exceeds Generic RCL for Industrial Direct Contact.

C = Parameter exceeds Generic RCL for Groundwater Pathway.

Table 2
E23P Excavation Verification Sample Results
PCBs in Soil
Kenosha Engine Plant

Parameters	Generic RCLs			23P-SW-1	23P-SW-2	23P-SW-3	23P-SW-4	23P-SW-5	23P-SW-6	23P-SW-7	23P-SW-8
	Direct Contact Pathway		Groundwater	6' bgs	6' bgs	6' bgs	6' bgs	6' bgs	6' bgs	6' bgs	6' bgs
	Non-Industrial	Industrial	Pathway	6/29/2017	6/30/2017	6/29/2017	6/29/2017	6/28/2017	6/28/2017	6/28/2017	6/28/2017
PCBs (mg/kg)											
PCB-1016 (Aroclor 1016)	4.1	28.0	0.0094	<0.0312	<0.0273	<0.0295	<0.0267	<0.0298	<0.0314	<0.0315	<0.0354
PCB-1221 (Aroclor 1221)	0.213	0.883	0.0094	<0.0312	<0.0273	<0.0295	<0.0267	<0.0298	<0.0314	<0.0315	<0.0354
PCB-1232 (Aroclor 1232)	0.19	0.792	0.0094	<0.0312	<0.0273	<0.0295	<0.0267	<0.0298	<0.0314	<0.0315	<0.0354
PCB-1242 (Aroclor 1242)	0.235	0.972	0.0094	<0.0312	<0.0273	<0.0295	<0.0267	<0.0298	<0.0314	<0.0315	<0.0354
PCB-1248 (Aroclor 1248)	0.236	0.975	0.0094	<0.0312	<0.0273	<0.0295	<0.0267	<0.0298	<0.0314	<0.0315	<0.0354
PCB-1254 (Aroclor 1254)	0.239	0.988	0.0094	<0.0312	<0.0273	<0.0295	<0.0267	<0.0298	<0.0314	<0.0315	<0.0354
PCB-1260 (Aroclor 1260)	0.243	1.0	0.0094	<0.0312	<0.0273	<0.0295	<0.0267	<0.0298	<0.0314	<0.0315	<0.0354
PCB, Total	0.234	0.967	0.0094	<0.0312	<0.0273	<0.0295	<0.0267	<0.0298	<0.0314	<0.0315	<0.0354

Parameters	Generic RCLs			23P-B-1	23P-B-2	23P-B-3	23P-B-4	23P-B-5
	Direct Contact Pathway		Groundwater	12' bgs	12' bgs	12' bgs	12' bgs	12' bgs
	Non-Industrial	Industrial	Pathway	6/29/2017	6/29/2017	6/29/2017	6/28/2017	6/28/2017
PCBs (mg/kg)								
PCB-1016 (Aroclor 1016)	4.1	28.0	0.0094	<0.0308	<0.0309	<0.0314	<0.0303	<0.0314
PCB-1221 (Aroclor 1221)	0.213	0.883	0.0094	<0.0308	<0.0309	<0.0314	<0.0303	<0.0314
PCB-1232 (Aroclor 1232)	0.19	0.792	0.0094	<0.0308	<0.0309	<0.0314	<0.0303	<0.0314
PCB-1242 (Aroclor 1242)	0.235	0.972	0.0094	<0.0308	<0.0309	<0.0314	<0.0303	<0.0314
PCB-1248 (Aroclor 1248)	0.236	0.975	0.0094	<0.0308	<0.0309	<0.0314	<0.0303	<0.0314
PCB-1254 (Aroclor 1254)	0.239	0.988	0.0094	<0.0308	<0.0309	<0.0314	<0.0303	<0.0314
PCB-1260 (Aroclor 1260)	0.243	1.0	0.0094	<0.0308	<0.0309	<0.0314	<0.0303	<0.0314
PCB, Total	0.234	0.967	0.0094	<0.0308	<0.0309	<0.0314	<0.0303	<0.0314

Notes:

PCBs = Polychlorinated Biphenyls bgs = feet below ground surface

mg/kg = Milligrams per kilogram.

[A] = Parameter exceeds Generic RCL for Non-Industrial Direct Contact.

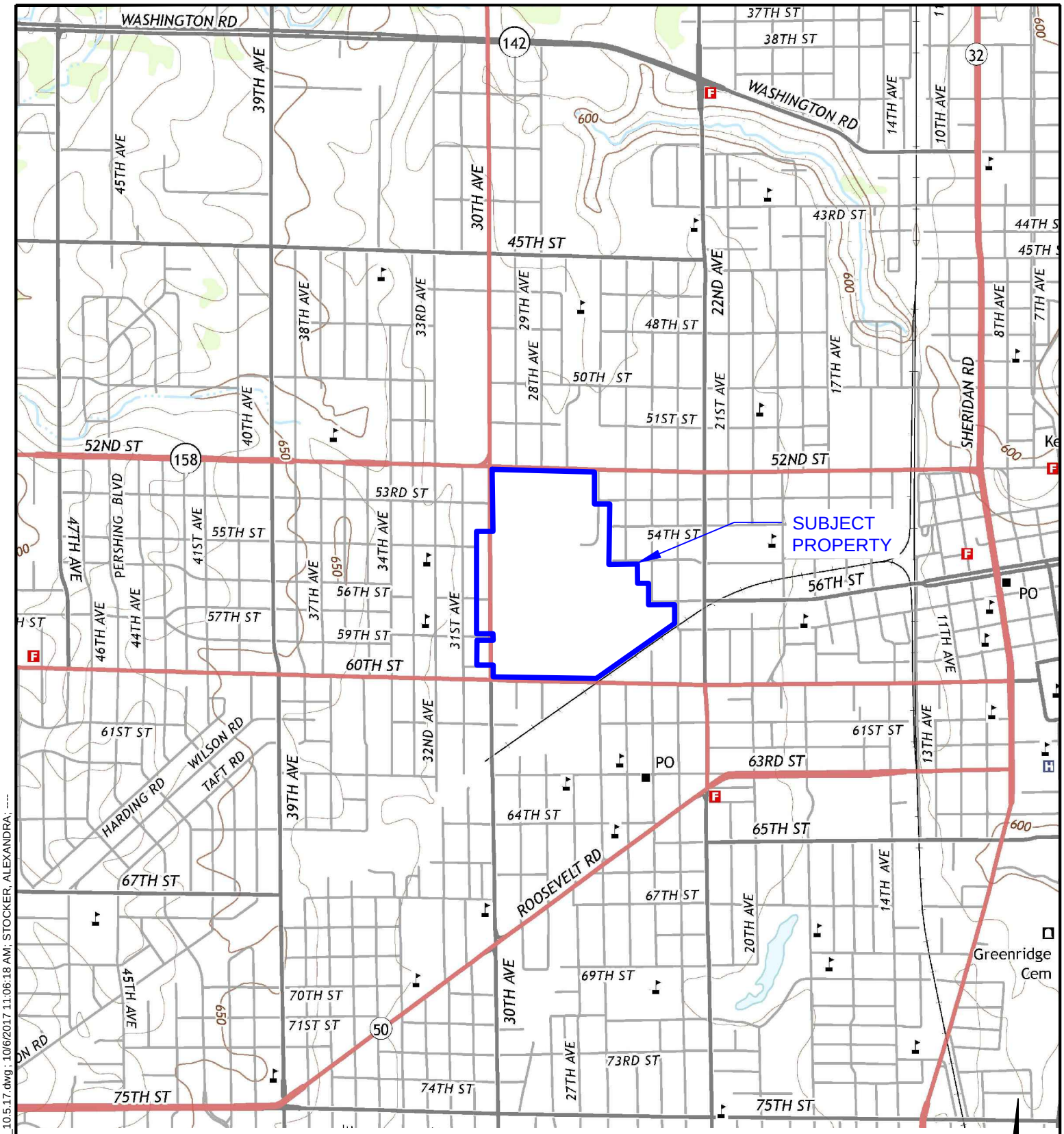
[B] = Parameter exceeds Generic RCL for Industrial Direct Contact.

[C] = Parameter exceeds Generic RCL for Groundwater Pathway.

Generic RCLs March 2017 WDNR calculator per WDNR PUB-RR-890.

Figures

Figure 1 – USGS Topographic Map
Figure 2 – Site Layout and PCB Excavation Locations
Figure 3 – E9P Post-Excavation Verification Sample Results
Figure 4 – E23P Post-Excavation Verification Sample Results



NOTES

1. TOPOGRAPHIC MAP FROM USGS:
   http://store.usgs.gov/b2c_usgs/usgs/maplocator/
   DATED 2013

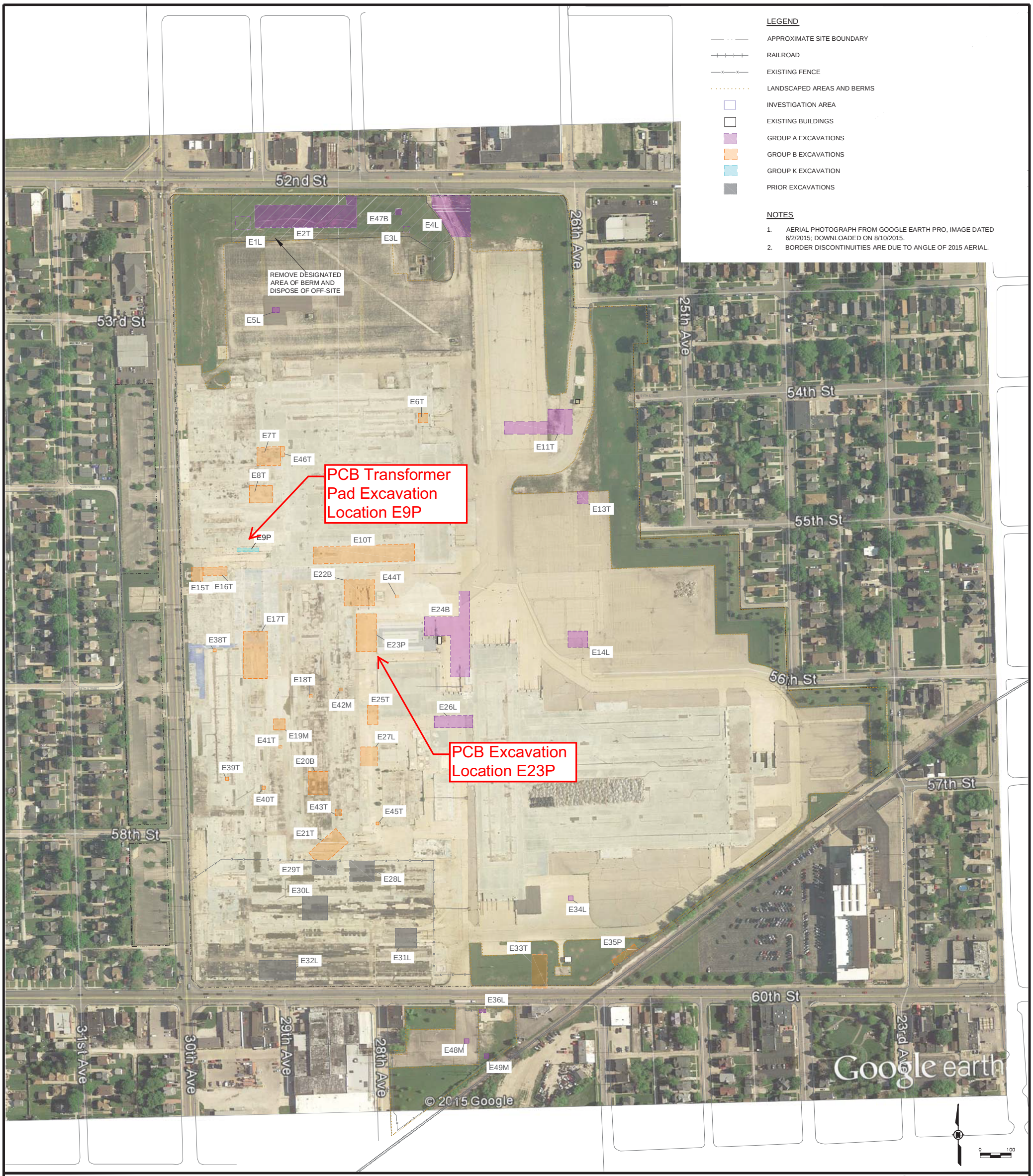
1000 0 1000 2000
FEET

AECOM
1555 RiverCenter Dr
Milwaukee, WI 53212
414.944.6080
www.aecom.com

USGS TOPOGRAPHIC MAP
KENOSHA ENGINE PLANT
CITY OF KENOSHA
KENOSHA, WISCONSIN

Drawn :	AS	4/7/2015
Checked:	LLA	4/7/2015
Approved:	KWB	4/7/2015
PROJECT NUMBER	60334107	
FIGURE NUMBER	1	

P:\60334107\900_Work\CADD\KEP - transformer pads_10.5.17.dwg, 10/6/2017 11:06:18 AM, STOCKER, ALEXANDRA, ----



PCB EXCAVATION LOCATIONS
KENOSHA ENGINE PLANT
CITY OF KENOSHA
KENOSHA, WISCONSIN

Drawn :

Checked:

Approved:

PROJECT NUMBER 60334107

FIGURE NUMBER 2

AECOM
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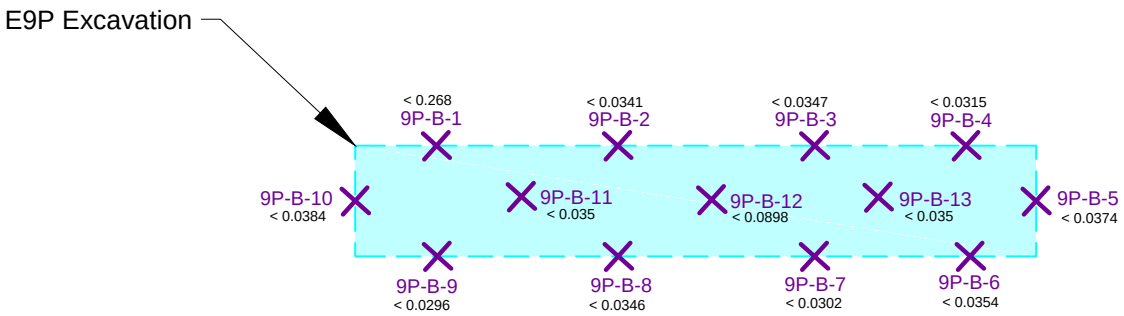

LEGEND

- APPROXIMATE SITE BOUNDARY
- EXISTING FENCE
- SAWCUT LINE
- EXCAVATION AREA
- SAMPLE LOCATION
- < 0.0296 — PCB CONCENTRATIONS OR LABORATORY DETECTION LIMIT IN MILLIGRAMS/KILOGRAM (mg/kg)

NOTES

1. All samples will be collected at a depth of 2ft below base of concrete.
2. Aerial photograph from Google Earth Pro, image dated 6/2/2015; downloaded on 8/10/2015.
3. Border discontinuities are due to angle of 2015 aerial.

0 20

1" = 20'

N

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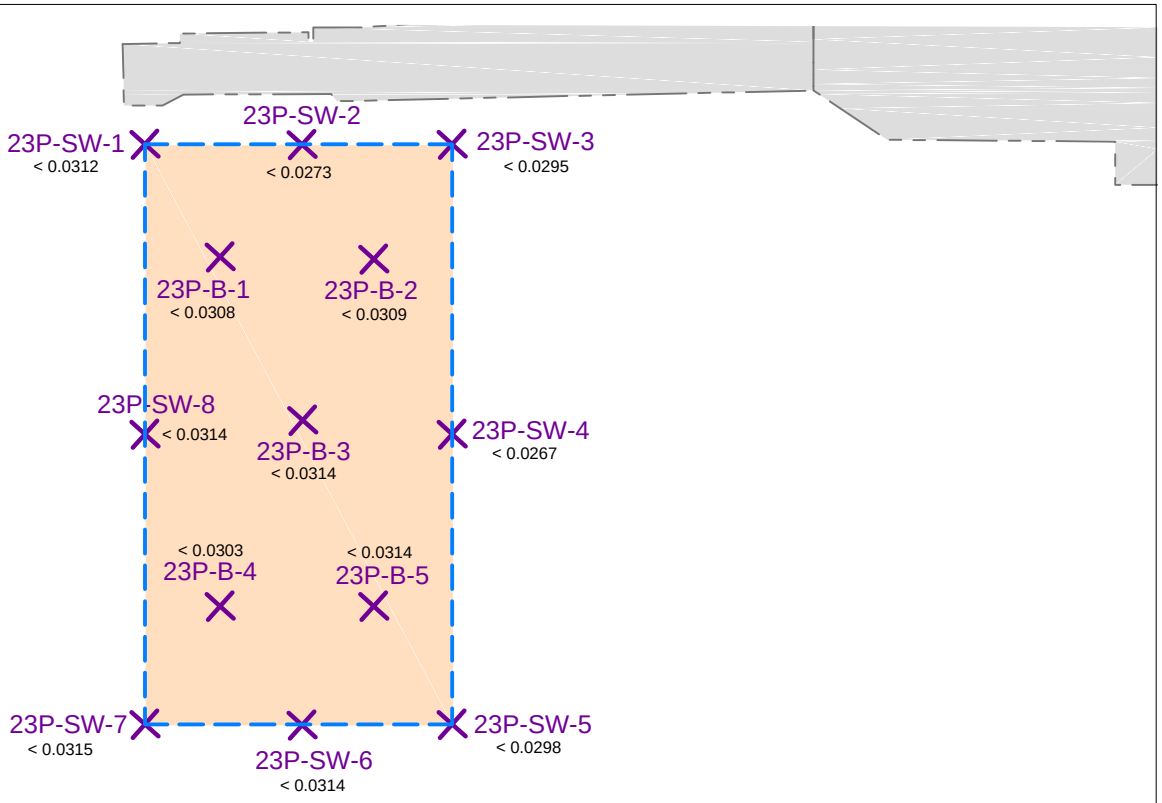
E9P - POST EXCAVATION VERIFICATION SAMPLE RESULTS
KENOSHA ENGINE PLANT
CITY OF KENOSHA
KENOSHA, WISCONSIN

Drawn :	SAE	12/5/2016
Checked:	LLA	12/5/2016
Approved:	KWB	12/5/2016
PROJECT NUMBER	60334107	
FIGURE NUMBER	3	



LEGEND

- APPROXIMATE SITE BOUNDARY
- EXISTING FENCE
- SAWCUT LINE
- PROPOSED EXCAVATION AREA
- PROPOSED SAMPLE LOCATION
- FORMER EXCAVATION
- < 0.0315 — PCBs NOT DETECTED AT THE DETECTION LIMIT SHOWN IN MILLIGRAMS/KILOGRAM (mg/kg)

NOTES

1. All samples will be collected at a depth of 2ft below base of concrete.
2. Aerial photograph from Google Earth Pro, image dated 6/2/2015; downloaded on 8/10/2015.
3. Border discontinuities are due to angle of 2015 aerial.
4. Side wall samples will be collected at approximately 4ft below ground surface.
5. Bottom samples will be collected at base of excavation.

0 40

1" = 40'

N

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E23P - POST-EXCAVATION VERIFICATION SAMPLE RESULTS
KENOSHA ENGINE PLANT
CITY OF KENOSHA
KENOSHA, WISCONSIN

Drawn :	SAE	12/5/2016
Checked:	LLA	12/5/2016
Approved:	KWB	12/5/2016
PROJECT NUMBER	60334107	
FIGURE NUMBER	4	

Appendix A

Photographic Log

AECOM Imagine it. Delivered.

PHOTOGRAPH LOG

Facility Name:	Site Location:	Project No.
Former Kenosha Engine Plant-	Kenosha, Wisconsin	60334107

Photo No. 1	Date: 7-3-17
Direction Photo Taken: West	
Description: Excavation at E9P Note: backfilling took place later, with the placement of crushed concrete over the entire area of Group G.	

Photo No. 2	Date: 6-28-17
Direction Photo Taken: West	
Description: E23P Excavation	

AECOM Imagine it. Delivered.

PHOTOGRAPH LOG

Facility Name:	Site Location:	Project No.
Former Kenosha Engine Plant-	Kenosha, Wisconsin	60334107

Photo No. 3	Date: 6-30-17
Direction Photo Taken: West-northwest	
Description: Excavation at E23P	

Photo No. 4	Date: 7-3-17
Direction Photo Taken: Southwest	
Description: Backfilling of E23P	

Appendix B

Disposal Documentation

Detail Customer Activity Report

All Ticket Types | June 20, 2017 to July 03, 2017 | All Facilities

History and Waiting | Specific Customer(s) : 100095,100053

100053- CITY OF KENOSHA

Ticket Date	Facility & Ticket Number	Contract	Truck #	Container	Material	Material Rate		Billing Quantity		Material Total	Tax Total	Total
07/03/2017	I 01 1012896	30631410699	OAK855		SW-CONST DEBRIS	12.75	F	25.78	TN	$328.70	$335.14	$663.84
07/03/2017	I 01 1012899	30631410699	OAK841		SW-CONST DEBRIS	12.75	F	21.86	TN	$278.72	$284.18	$562.90
07/03/2017	I 01 1012908	30631410699	OAK841		SW-CONST DEBRIS	12.75	F	18.80	TN	$239.70	$244.40	$484.10
07/03/2017	I 01 1012936	30631410699	OAK841		SW-CONST DEBRIS	12.75	F	20.42	TN	$260.36	$265.46	$525.82
07/03/2017	I 01 1012943	30631410699	OAK855		SW-CONST DEBRIS	12.75	F	22.62	TN	$288.41	$294.06	$582.47
07/03/2017	I 01 1012946	30631710175	OAK843		SW-CONT SOIL	12.75	F	20.36	TN	$259.59	$264.68	$524.27

Total concrete = 109.48

Total soil = 20.36

Detail Customer Activity Report

All Ticket Types | July 17, 2017 to July 21, 2017 | All Facilities

History and Waiting | Specific Customer(s) : 100095,100053

100053- CITY OF KENOSHA

Ticket Date	Facility & Ticket Number	Contract	Truck #	Containe	Material	Material Rate		Billing Quantity		Material Total	Tax Total	Total	
07/20/2017	I 01 1014128	30631710175	OAK851		SW-CONT SOIL	12.75	F	18.82	TN	$239.96	$244.66	$484.62	E9
07/20/2017	I 01 1014131	30631710175	OAK840		SW-CONT SOIL	12.75	F	20.11	TN	$256.40	$261.43	$517.83	E9
07/20/2017	I 01 1014145	30631710175	OAK840		SW-CONT SOIL	12.75	F	20.59	TN	$262.52	$267.67	$530.19	E9
07/20/2017	I 01 1014149	30631710175	OAK851		SW-CONT SOIL	12.75	F	18.08	TN	$230.52	$235.04	$465.56	E9
07/20/2017	I 01 1014156	30631710175	OAK840		SW-CONT SOIL	12.75	F	20.05	TN	$255.64	$260.65	$516.29	
07/20/2017	I 01 1014160	30631710175	OAK851		SW-CONT SOIL	12.75	F	19.36	TN	$246.84	$251.68	$498.52	
						Total		117.01					

Detail Customer Activity Report

All Ticket Types | June 20, 2017 to July 03, 2017 | All Facilities

History and Waiting | Specific Customer(s) : 100095,100053

100053- CITY OF KENOSHA

Ticket Date	Facility & Ticket Number	Contract	Truck #	Contain	Material	Material Rate		Billing Quantity		Material Total	Tax Total	Total		
06/28/2017	I 01 1012394	30631710175	H280		SW-CONT SOIL	12.75	F	19.07	TN	$243.14	$247.91	$491.05	E23	B
06/28/2017	I 01 1012397	30631710175	OAK854		SW-CONT SOIL	12.75	F	16.92	TN	$215.73	$219.96	$435.69	E23	B
06/28/2017	I 01 1012400	30631710175	OAK853		SW-CONT SOIL	12.75	F	19.56	TN	$249.39	$254.28	$503.67	E23	B
06/28/2017	I 01 1012401	30631710175	OAK840		SW-CONT SOIL	12.75	F	17.19	TN	$219.17	$223.47	$442.64	E23	B
06/28/2017	I 01 1012402	30631710175	OAK841		SW-CONT SOIL	12.75	F	20.71	TN	$264.05	$269.23	$533.28	E23	B
06/28/2017	I 01 1012404	30631710175	OAK844		SW-CONT SOIL	12.75	F	20.57	TN	$262.27	$267.41	$529.68	E23	B
06/28/2017	I 01 1012405	30631710175	J18		SW-CONT SOIL	12.75	F	18.49	TN	$235.75	$240.37	$476.12	E23	B
06/28/2017	I 01 1012406	30631710175	J4		SW-CONT SOIL	12.75	F	17.29	TN	$220.45	$224.77	$445.22	E23	B
06/28/2017	I 01 1012408	30631710175	OAK845		SW-CONT SOIL	12.75	F	18.89	TN	$240.85	$245.57	$486.42	E23	B
06/28/2017	I 01 1012410	30631710175	J70		SW-CONT SOIL	12.75	F	16.66	TN	$212.42	$216.58	$429.00	E23	B
06/28/2017	I 01 1012413	30631710175	H429		SW-CONT SOIL	12.75	F	18.29	TN	$233.20	$237.77	$470.97	E23	B
06/28/2017	I 01 1012415	30631710175	H14		SW-CONT SOIL	12.75	F	17.84	TN	$227.46	$231.92	$459.38	E23	B
06/28/2017	I 01 1012417	30631710175	J143		SW-CONT SOIL	12.75	F	19.37	TN	$246.97	$251.81	$498.78	E23	B
06/28/2017	I 01 1012419	30631710175	J1		SW-CONT SOIL	12.75	F	17.46	TN	$222.62	$226.98	$449.60	E23	B
06/28/2017	I 01 1012420	30631710175	J2		SW-CONT SOIL	12.75	F	19.85	TN	$253.09	$258.05	$511.14	E23	B
06/28/2017	I 01 1012421	30631710175	J504		SW-CONT SOIL	12.75	F	20.86	TN	$265.97	$271.18	$537.15	E23	B
06/28/2017	I 01 1012424	30631710175	H25		SW-CONT SOIL	12.75	F	16.20	TN	$206.55	$210.60	$417.15	E23	B
06/28/2017	I 01 1012434	30631710175	OAK854		SW-CONT SOIL	12.75	F	22.64	TN	$288.66	$294.32	$582.98	E23	B
06/28/2017	I 01 1012435	30631710175	OAK840		SW-CONT SOIL	12.75	F	18.00	TN	$229.50	$234.00	$463.50	E23	B
06/28/2017	I 01 1012437	30631710175	H280		SW-CONT SOIL	12.75	F	20.49	TN	$261.25	$266.37	$527.62	E23	B
06/28/2017	I 01 1012439	30631710175	OAK841		SW-CONT SOIL	12.75	F	16.77	TN	$213.82	$218.01	$431.83	E23	B
06/28/2017	I 01 1012440	30631710175	J18		SW-CONT SOIL	12.75	F	19.77	TN	$252.07	$257.01	$509.08	E23	B
06/28/2017	I 01 1012441	30631710175	OAK845		SW-CONT SOIL	12.75	F	20.93	TN	$266.86	$272.09	$538.95	E23	B
06/28/2017	I 01 1012444	30631710175	J4		SW-CONT SOIL	12.75	F	19.07	TN	$243.14	$247.91	$491.05	E23	B
06/28/2017	I 01 1012446	30631710175	J70		SW-CONT SOIL	12.75	F	15.24	TN	$194.31	$198.12	$392.43	E23	B
06/28/2017	I 01 1012448	30631710175	H429		SW-CONT SOIL	12.75	F	16.31	TN	$207.95	$212.03	$419.98	E23	B
06/28/2017	I 01 1012450	30631710175	H14		SW-CONT SOIL	12.75	F	16.72	TN	$213.18	$217.36	$430.54	E23	B
06/28/2017	I 01 1012452	30631710175	J143		SW-CONT SOIL	12.75	F	16.56	TN	$211.14	$215.28	$426.42	E23	B
06/28/2017	I 01 1012453	30631710175	OAK853		SW-CONT SOIL	12.75	F	17.63	TN	$224.78	$229.19	$453.97	E23	B
06/28/2017	I 01 1012454	30631710175	J1		SW-CONT SOIL	12.75	F	15.90	TN	$202.73	$206.70	$409.43	E23	B
06/28/2017	I 01 1012455	30631710175	J2		SW-CONT SOIL	12.75	F	17.15	TN	$218.66	$222.95	$441.61	E23	B
06/28/2017	I 01 1012457	30631710175	J504		SW-CONT SOIL	12.75	F	17.55	TN	$223.76	$228.15	$451.91	E23	B
06/28/2017	I 01 1012458	30631710175	H25		SW-CONT SOIL	12.75	F	18.36	TN	$234.09	$238.68	$472.77	E23	B

Detail Customer Activity Report

All Ticket Types | June 20, 2017 to July 03, 2017 | All Facilities

History and Waiting | Specific Customer(s) : 100095,100053

100053- CITY OF KENOSHA

Ticket Date	Facility & Ticket Number	Contract	Truck #	Contain	Material	Material Rate		Billing Quantity		Material Total	Tax Total	Total		
06/28/2017	I 01	1012459	30631710175	OAK844		SW-CONT SOIL	12.75	F	20.04	TN	$255.51	$260.52	$516.03	E23	B
06/28/2017	I 01	1012464	30631710175	OAK854		SW-CONT SOIL	12.75	F	20.95	TN	$267.11	$272.35	$539.46	E23	B
06/28/2017	I 01	1012465	30631710175	OAK840		SW-CONT SOIL	12.75	F	19.96	TN	$254.49	$259.48	$513.97	E23	B
06/28/2017	I 01	1012466	30631710175	H280		SW-CONT SOIL	12.75	F	18.14	TN	$231.29	$235.82	$467.11	E23	B
06/28/2017	I 01	1012467	30631710175	OAK841		SW-CONT SOIL	12.75	F	19.64	TN	$250.41	$255.32	$505.73	E23	B
06/28/2017	I 01	1012469	30631710175	J18		SW-CONT SOIL	12.75	F	18.65	TN	$237.79	$242.45	$480.24	E23	B
06/28/2017	I 01	1012470	30631710175	OAK845		SW-CONT SOIL	12.75	F	19.04	TN	$242.76	$247.52	$490.28	E23	B
06/28/2017	I 01	1012471	30631710175	J4		SW-CONT SOIL	12.75	F	16.21	TN	$206.68	$210.73	$417.41	E23	B
06/28/2017	I 01	1012472	30631710175	J70		SW-CONT SOIL	12.75	F	14.85	TN	$189.34	$193.05	$382.39	E23	B
06/28/2017	I 01	1012473	30631710175	H429		SW-CONT SOIL	12.75	F	23.21	TN	$295.93	$301.73	$597.66	E23	B
06/28/2017	I 01	1012474	30631710175	H14		SW-CONT SOIL	12.75	F	20.33	TN	$259.21	$264.29	$523.50	E23	B
06/28/2017	I 01	1012476	30631710175	OAK853		SW-CONT SOIL	12.75	F	22.66	TN	$288.92	$294.58	$583.50	E23	B
06/28/2017	I 01	1012482	30631710175	J143		SW-CONT SOIL	12.75	F	16.81	TN	$214.33	$218.53	$432.86	E23	B
06/28/2017	I 01	1012483	30631710175	J1		SW-CONT SOIL	12.75	F	18.24	TN	$232.56	$237.12	$469.68	E23	B
06/28/2017	I 01	1012484	30631710175	J2		SW-CONT SOIL	12.75	F	18.99	TN	$242.12	$246.87	$488.99	E23	B
06/28/2017	I 01	1012485	30631710175	J504		SW-CONT SOIL	12.75	F	17.73	TN	$226.06	$230.49	$456.55	E23	B
06/28/2017	I 01	1012486	30631710175	OAK844		SW-CONT SOIL	12.75	F	20.90	TN	$266.48	$271.70	$538.18	E23	B
06/28/2017	I 01	1012487	30631710175	H25		SW-CONT SOIL	12.75	F	17.76	TN	$226.44	$230.88	$457.32	E23	B
06/28/2017	I 01	1012490	30631710175	OAK851		SW-CONT SOIL	12.75	F	17.95	TN	$228.86	$233.35	$462.21	E23	B
06/28/2017	I 01	1012492	30631710175	OAK854		SW-CONT SOIL	12.75	F	19.94	TN	$254.24	$259.22	$513.46	E23	B
06/28/2017	I 01	1012493	30631710175	OAK840		SW-CONT SOIL	12.75	F	19.56	TN	$249.39	$254.28	$503.67	E23	B
06/28/2017	I 01	1012495	30631710175	J18		SW-CONT SOIL	12.75	F	18.57	TN	$236.77	$241.41	$478.18	E23	B
06/28/2017	I 01	1012496	30631710175	H280		SW-CONT SOIL	12.75	F	17.62	TN	$224.66	$229.06	$453.72	E23	B
06/28/2017	I 01	1012497	30631710175	J4		SW-CONT SOIL	12.75	F	22.03	TN	$280.88	$286.39	$567.27	E23	B
06/28/2017	I 01	1012498	30631710175	OAK845		SW-CONT SOIL	12.75	F	22.91	TN	$292.10	$297.83	$589.93	E23	B
06/28/2017	I 01	1012501	30631710175	H429		SW-CONT SOIL	12.75	F	17.44	TN	$222.36	$226.72	$449.08	E23	B
06/28/2017	I 01	1012502	30631710175	J70		SW-CONT SOIL	12.75	F	23.13	TN	$294.91	$300.69	$595.60	E23	B
06/28/2017	I 01	1012503	30631710175	H14		SW-CONT SOIL	12.75	F	21.19	TN	$270.17	$275.47	$545.64	E23	B
06/28/2017	I 01	1012504	30631710175	OAK853		SW-CONT SOIL	12.75	F	19.46	TN	$248.12	$252.98	$501.10	E23	B
06/28/2017	I 01	1012505	30631710175	J143		SW-CONT SOIL	12.75	F	15.47	TN	$197.24	$201.11	$398.35	E23	B
06/28/2017	I 01	1012506	30631710175	J1		SW-CONT SOIL	12.75	F	20.89	TN	$266.35	$271.57	$537.92	E23	B
06/28/2017	I 01	1012508	30631710175	OAK844		SW-CONT SOIL	12.75	F	21.19	TN	$270.17	$275.47	$545.64	E23	B
06/28/2017	I 01	1012510	30631710175	J2		SW-CONT SOIL	12.75	F	21.39	TN	$272.72	$278.07	$550.79	E23	B
06/28/2017	I 01	1012513	30631710175	J504		SW-CONT SOIL	12.75	F	21.89	TN	$279.10	$284.57	$563.67	E23	B

Detail Customer Activity Report

All Ticket Types | June 20, 2017 to July 03, 2017 | All Facilities

History and Waiting | Specific Customer(s) : 100095,100053

100053- CITY OF KENOSHA

Ticket Date	Facility & Ticket Number	Contract	Truck #	Contain	Material	Material Rate		Billing Quantity		Material Total	Tax Total	Total		
06/28/2017	I 01 1012514	30631710175	H25		SW-CONT SOIL	12.75	F	20.53	TN	$261.76	$266.89	$528.65	E23	B
06/28/2017	I 01 1012515	30631710175	OAK851		SW-CONT SOIL	12.75	F	19.61	TN	$250.03	$254.93	$504.96	E23	B
06/28/2017	I 01 1012518	30631710175	OAK854		SW-CONT SOIL	12.75	F	16.77	TN	$213.82	$218.01	$431.83	E23	B
06/28/2017	I 01 1012519	30631710175	OAK840		SW-CONT SOIL	12.75	F	20.52	TN	$261.63	$266.76	$528.39	E23	B
06/28/2017	I 01 1012522	30631710175	OAK841		SW-CONT SOIL	12.75	F	20.86	TN	$265.97	$271.18	$537.15	E23	B
06/28/2017	I 01 1012525	30631710175	J18		SW-CONT SOIL	12.75	F	21.01	TN	$267.88	$273.13	$541.01	E23	B
06/28/2017	I 01 1012527	30631710175	H280		SW-CONT SOIL	12.75	F	20.26	TN	$258.32	$263.38	$521.70	E23	B
06/28/2017	I 01 1012529	30631710175	J4		SW-CONT SOIL	12.75	F	20.93	TN	$266.86	$272.09	$538.95	E23	B
06/28/2017	I 01 1012534	30631710175	OAK845		SW-CONT SOIL	12.75	F	22.05	TN	$281.14	$286.65	$567.79	E23	B
06/28/2017	I 01 1012536	30631710175	H429		SW-CONT SOIL	12.75	F	22.64	TN	$288.66	$294.32	$582.98	E23	B
06/28/2017	I 01 1012538	30631710175	J70		SW-CONT SOIL	12.75	F	17.22	TN	$219.56	$223.86	$443.42	E23	B
06/28/2017	I 01 1012540	30631710175	OAK853		SW-CONT SOIL	12.75	F	18.76	TN	$239.19	$243.88	$483.07	E23	B
06/28/2017	I 01 1012541	30631710175	OAK844		SW-CONT SOIL	12.75	F	18.11	TN	$230.90	$235.43	$466.33	E23	B
06/28/2017	I 01 1012542	30631710175	J1		SW-CONT SOIL	12.75	F	20.61	TN	$262.78	$267.93	$530.71	E23	B
06/28/2017	I 01 1012543	30631710175	J143		SW-CONT SOIL	12.75	F	18.91	TN	$241.10	$245.83	$486.93	E23	B
06/28/2017	I 01 1012544	30631710175	H14		SW-CONT SOIL	12.75	F	20.99	TN	$267.62	$272.87	$540.49	E23	B
06/28/2017	I 01 1012545	30631710175	J2		SW-CONT SOIL	12.75	F	20.76	TN	$264.69	$269.88	$534.57	E23	B
06/28/2017	I 01 1012546	30631710175	J504		SW-CONT SOIL	12.75	F	21.03	TN	$268.13	$273.39	$541.52	E23	B
06/28/2017	I 01 1012547	30631710175	H25		SW-CONT SOIL	12.75	F	23.06	TN	$294.02	$299.78	$593.80	E23	B
06/28/2017	I 01 1012548	30631710175	OAK851		SW-CONT SOIL	12.75	F	20.72	TN	$264.18	$269.36	$533.54	E23	B
06/28/2017	I 01 1012549	30631710175	OAK854		SW-CONT SOIL	12.75	F	20.01	TN	$255.13	$260.13	$515.26	E23	B
06/28/2017	I 01 1012550	30631710175	OAK840		SW-CONT SOIL	12.75	F	20.10	TN	$256.28	$261.30	$517.58	E23	B
06/28/2017	I 01 1012553	30631710175	J18		SW-CONT SOIL	12.75	F	20.67	TN	$263.54	$268.71	$532.25	E23	B
06/28/2017	I 01 1012554	30631710175	OAK841		SW-CONT SOIL	12.75	F	19.72	TN	$251.43	$256.36	$507.79	E23	B
06/28/2017	I 01 1012556	30631710175	J4		SW-CONT SOIL	12.75	F	21.31	TN	$271.70	$277.03	$548.73	E23	B
06/28/2017	I 01 1012557	30631710175	OAK845		SW-CONT SOIL	12.75	F	20.92	TN	$266.73	$271.96	$538.69	E23	B
06/28/2017	I 01 1012559	30631710175	H429		SW-CONT SOIL	12.75	F	21.88	TN	$278.97	$284.44	$563.41	E23	B
06/28/2017	I 01 1012560	30631710175	OAK844		SW-CONT SOIL	12.75	F	20.11	TN	$256.40	$261.43	$517.83	E23	B
06/28/2017	I 01 1012561	30631710175	OAK853		SW-CONT SOIL	12.75	F	20.06	TN	$255.77	$260.78	$516.55	E23	B
06/28/2017	I 01 1012562	30631710175	J70		SW-CONT SOIL	12.75	F	19.66	TN	$250.67	$255.58	$506.25	E23	B
06/28/2017	I 01 1012563	30631710175	J1		SW-CONT SOIL	12.75	F	18.96	TN	$241.74	$246.48	$488.22	E23	B
06/28/2017	I 01 1012564	30631710175	J143		SW-CONT SOIL	12.75	F	19.05	TN	$242.89	$247.65	$490.54	E23	B
06/28/2017	I 01 1012565	30631710175	J2		SW-CONT SOIL	12.75	F	19.90	TN	$253.73	$258.70	$512.43	E23	B
06/28/2017	I 01 1012567	30631710175	H14		SW-CONT SOIL	12.75	F	18.82	TN	$239.96	$244.66	$484.62	E23	B

Detail Customer Activity Report

All Ticket Types | June 20, 2017 to July 03, 2017 | All Facilities

History and Waiting | Specific Customer(s) : 100095,100053

100053- CITY OF KENOSHA

Ticket Date	Facility & Ticket Number	Contract	Truck #	Contain	Material	Material Rate		Billing Quantity		Material Total	Tax Total	Total		
06/28/2017	I 01 1012568	30631710175	J504		SW-CONT SOIL	12.75	F	21.23	TN	$270.68	$275.99	$546.67	E23	B
06/28/2017	I 01 1012569	30631710175	H25		SW-CONT SOIL	12.75	F	18.84	TN	$240.21	$244.92	$485.13	E23	B
06/28/2017	I 01 1012571	30631710175	OAK851		SW-CONT SOIL	12.75	F	18.62	TN	$237.41	$242.06	$479.47	E23	B
06/28/2017	I 01 1012572	30631710175	OAK854		SW-CONT SOIL	12.75	F	20.44	TN	$260.61	$265.72	$526.33	E23	B
06/28/2017	I 01 1012574	30631710175	OAK840		SW-CONT SOIL	12.75	F	18.95	TN	$241.61	$246.35	$487.96	E23	B
06/28/2017	I 01 1012575	30631710175	J18		SW-CONT SOIL	12.75	F	19.30	TN	$246.08	$250.90	$496.98	E23	B
06/28/2017	I 01 1012577	30631710175	OAK841		SW-CONT SOIL	12.75	F	20.36	TN	$259.59	$264.68	$524.27	E23	B
						Total		2,093.31	TN					

Detail Customer Activity Report

All Ticket Types | June 20, 2017 to July 03, 2017 | All Facilities

History and Waiting | Specific Customer(s) : 100095,100053

100053- CITY OF KENOSHA

Ticket Date	Facility & Ticket Number	Contract	Truck #	Container	Material	Material Rate		Billing Quantity		Material Total	Tax Total	Total	
06/29/2017	I 01 1012581	30631710175	OAK853		SW-CONT SOIL	12.75	F	16.84	TN	$214.71	$218.92	$433.63	E23
06/29/2017	I 01 1012582	30631710175	OAK854		SW-CONT SOIL	12.75	F	17.26	TN	$220.07	$224.38	$444.45	E23
06/29/2017	I 01 1012583	30631710175	OAK843		SW-CONT SOIL	12.75	F	16.51	TN	$210.50	$214.63	$425.13	E23
06/29/2017	I 01 1012584	30631710175	OAK845		SW-CONT SOIL	12.75	F	19.05	TN	$242.89	$247.65	$490.54	E23
06/29/2017	I 01 1012585	30631710175	OAK841		SW-CONT SOIL	12.75	F	19.63	TN	$250.28	$255.19	$505.47	E23
06/29/2017	I 01 1012586	30631710175	OAK857		SW-CONT SOIL	12.75	F	18.80	TN	$239.70	$244.40	$484.10	E23
06/29/2017	I 01 1012587	30631710175	J2		SW-CONT SOIL	12.75	F	18.40	TN	$234.60	$239.20	$473.80	E23
06/29/2017	I 01 1012588	30631710175	J1		SW-CONT SOIL	12.75	F	16.79	TN	$214.07	$218.27	$432.34	E23
06/29/2017	I 01 1012589	30631710175	J4		SW-CONT SOIL	12.75	F	14.35	TN	$182.96	$186.55	$369.51	E23
06/29/2017	I 01 1012590	30631710175	OAK851		SW-CONT SOIL	12.75	F	18.11	TN	$230.90	$235.43	$466.33	E23
06/29/2017	I 01 1012591	30631710175	H98		SW-CONT SOIL	12.75	F	20.11	TN	$256.40	$261.43	$517.83	E23
06/29/2017	I 01 1012592	30631710175	J34		SW-CONT SOIL	12.75	F	20.69	TN	$263.80	$268.97	$532.77	E23
06/29/2017	I 01 1012593	30631710175	H95		SW-CONT SOIL	12.75	F	22.04	TN	$281.01	$286.52	$567.53	E23
06/29/2017	I 01 1012594	30631710175	OAK840		SW-CONT SOIL	12.75	F	20.59	TN	$262.52	$267.67	$530.19	E23
06/29/2017	I 01 1012595	30631710175	J18		SW-CONT SOIL	12.75	F	18.60	TN	$237.15	$241.80	$478.95	E23
06/29/2017	I 01 1012596	30631710175	H25		SW-CONT SOIL	12.75	F	19.99	TN	$254.87	$259.87	$514.74	E23
06/29/2017	I 01 1012597	30631710175	H99		SW-CONT SOIL	12.75	F	20.15	TN	$256.91	$261.95	$518.86	E23
06/29/2017	I 01 1012599	30631710175	H305		SW-CONT SOIL	12.75	F	19.30	TN	$246.08	$250.90	$496.98	E23
06/29/2017	I 01 1012603	30631710175	OAK853		SW-CONT SOIL	12.75	F	16.94	TN	$215.99	$220.22	$436.21	E23
06/29/2017	I 01 1012604	30631710175	OAK854		SW-CONT SOIL	12.75	F	17.07	TN	$217.64	$221.91	$439.55	E23
06/29/2017	I 01 1012609	30631710175	OAK845		SW-CONT SOIL	12.75	F	23.54	TN	$300.14	$306.02	$606.16	E23
06/29/2017	I 01 1012610	30631710175	OAK841		SW-CONT SOIL	12.75	F	19.28	TN	$245.82	$250.64	$496.46	E23
06/29/2017	I 01 1012611	30631710175	OAK843		SW-CONT SOIL	12.75	F	14.47	TN	$184.49	$188.11	$372.60	E23
06/29/2017	I 01 1012613	30631710175	OAK857		SW-CONT SOIL	12.75	F	17.43	TN	$222.23	$226.59	$448.82	E23
06/29/2017	I 01 1012615	30631710175	J2		SW-CONT SOIL	12.75	F	17.91	TN	$228.35	$232.83	$461.18	E23
06/29/2017	I 01 1012616	30631710175	J1		SW-CONT SOIL	12.75	F	17.02	TN	$217.01	$221.26	$438.27	E23
06/29/2017	I 01 1012618	30631710175	J4		SW-CONT SOIL	12.75	F	19.29	TN	$245.95	$250.77	$496.72	E23
06/29/2017	I 01 1012619	30631710175	OAK851		SW-CONT SOIL	12.75	F	16.75	TN	$213.56	$217.75	$431.31	E23
06/29/2017	I 01 1012620	30631710175	J34		SW-CONT SOIL	12.75	F	19.62	TN	$250.16	$255.06	$505.22	E23
06/29/2017	I 01 1012622	30631710175	H98		SW-CONT SOIL	12.75	F	18.88	TN	$240.72	$245.44	$486.16	E23
06/29/2017	I 01 1012623	30631710175	OAK840		SW-CONT SOIL	12.75	F	18.47	TN	$235.49	$240.11	$475.60	E23
06/29/2017	I 01 1012624	30631710175	H95		SW-CONT SOIL	12.75	F	18.98	TN	$242.00	$246.74	$488.74	E23

Detail Customer Activity Report

All Ticket Types | June 20, 2017 to July 03, 2017 | All Facilities

History and Waiting | Specific Customer(s) : 100095,100053

100053- CITY OF KENOSHA

Ticket Date	Facility & Ticket Number	Contract	Truck #	Container	Material	Material Rate		Billing Quantity		Material Total	Tax Total	Total	
06/29/2017	I 01 1012625	30631710175	J18		SW-CONT SOIL	12.75	F	18.49	TN	$235.75	$240.37	$476.12	E23
06/29/2017	I 01 1012626	30631710175	H25		SW-CONT SOIL	12.75	F	19.02	TN	$242.51	$247.26	$489.77	E23
06/29/2017	I 01 1012628	30631710175	H305		SW-CONT SOIL	12.75	F	18.03	TN	$229.88	$234.39	$464.27	E23
06/29/2017	I 01 1012629	30631710175	H99		SW-CONT SOIL	12.75	F	19.06	TN	$243.02	$247.78	$490.80	E23
06/29/2017	I 01 1012632	30631710175	OAK853		SW-CONT SOIL	12.75	F	15.61	TN	$199.03	$202.93	$401.96	E23
06/29/2017	I 01 1012633	30631710175	OAK854		SW-CONT SOIL	12.75	F	18.27	TN	$232.94	$237.51	$470.45	E23
06/29/2017	I 01 1012635	30631710175	OAK841		SW-CONT SOIL	12.75	F	21.67	TN	$276.29	$281.71	$558.00	E23
06/29/2017	I 01 1012636	30631710175	OAK857		SW-CONT SOIL	12.75	F	20.48	TN	$261.12	$266.24	$527.36	E23
06/29/2017	I 01 1012638	30631710175	OAK843		SW-CONT SOIL	12.75	F	19.17	TN	$244.42	$249.21	$493.63	E23
06/29/2017	I 01 1012639	30631710175	OAK845		SW-CONT SOIL	12.75	F	21.72	TN	$276.93	$282.36	$559.29	E23
06/29/2017	I 01 1012640	30631710175	J2		SW-CONT SOIL	12.75	F	17.10	TN	$218.03	$222.30	$440.33	E23
06/29/2017	I 01 1012641	30631710175	J1		SW-CONT SOIL	12.75	F	20.49	TN	$261.25	$266.37	$527.62	E23
06/29/2017	I 01 1012642	30631710175	OAK851		SW-CONT SOIL	12.75	F	17.57	TN	$224.02	$228.41	$452.43	E23
06/29/2017	I 01 1012643	30631710175	J4		SW-CONT SOIL	12.75	F	20.83	TN	$265.58	$270.79	$536.37	E23
06/29/2017	I 01 1012644	30631710175	J34		SW-CONT SOIL	12.75	F	16.03	TN	$204.38	$208.39	$412.77	E23
06/29/2017	I 01 1012645	30631710175	H98		SW-CONT SOIL	12.75	F	18.85	TN	$240.34	$245.05	$485.39	E23
06/29/2017	I 01 1012646	30631710175	OAK840		SW-CONT SOIL	12.75	F	20.23	TN	$257.93	$262.99	$520.92	E23
06/29/2017	I 01 1012647	30631710175	H95		SW-CONT SOIL	12.75	F	21.17	TN	$269.92	$275.21	$545.13	E23
06/29/2017	I 01 1012649	30631710175	J18		SW-CONT SOIL	12.75	F	21.16	TN	$269.79	$275.08	$544.87	E23
06/29/2017	I 01 1012652	30631710175	H25		SW-CONT SOIL	12.75	F	19.97	TN	$254.62	$259.61	$514.23	E23
06/29/2017	I 01 1012653	30631710175	H305		SW-CONT SOIL	12.75	F	21.00	TN	$267.75	$273.00	$540.75	E23
06/29/2017	I 01 1012655	30631710175	H99		SW-CONT SOIL	12.75	F	19.50	TN	$248.63	$253.50	$502.13	E23
06/29/2017	I 01 1012657	30631710175	OAK853		SW-CONT SOIL	12.75	F	22.32	TN	$284.58	$290.16	$574.74	E23
06/29/2017	I 01 1012658	30631710175	OAK854		SW-CONT SOIL	12.75	F	21.95	TN	$279.86	$285.35	$565.21	E23
06/29/2017	I 01 1012664	30631710175	OAK841		SW-CONT SOIL	12.75	F	22.27	TN	$283.94	$289.51	$573.45	E23
06/29/2017	I 01 1012669	30631710175	OAK857		SW-CONT SOIL	12.75	F	21.45	TN	$273.49	$278.85	$552.34	E23
06/29/2017	I 01 1012671	30631710175	OAK843		SW-CONT SOIL	12.75	F	21.40	TN	$272.85	$278.20	$551.05	E23
06/29/2017	I 01 1012672	30631710175	J2		SW-CONT SOIL	12.75	F	21.53	TN	$274.51	$279.89	$554.40	E23
06/29/2017	I 01 1012673	30631710175	J1		SW-CONT SOIL	12.75	F	23.27	TN	$296.69	$302.51	$599.20	E23
06/29/2017	I 01 1012674	30631710175	OAK851		SW-CONT SOIL	12.75	F	21.19	TN	$270.17	$275.47	$545.64	E23
06/29/2017	I 01 1012677	30631710175	J4		SW-CONT SOIL	12.75	F	20.99	TN	$267.62	$272.87	$540.49	E23
06/29/2017	I 01 1012678	30631710175	OAK845		SW-CONT SOIL	12.75	F	21.24	TN	$270.81	$276.12	$546.93	E23

Detail Customer Activity Report

All Ticket Types | June 20, 2017 to July 03, 2017 | All Facilities

History and Waiting | Specific Customer(s) : 100095,100053

100053- CITY OF KENOSHA

Ticket Date	Facility & Ticket Number	Contract	Truck #	Container	Material	Material Rate		Billing Quantity		Material Total	Tax Total	Total	
06/29/2017	I 01 1012679	30631710175	OAK840		SW-CONT SOIL	12.75	F	22.60	TN	$288.15	$293.80	$581.95	E23
06/29/2017	I 01 1012680	30631710175	J34		SW-CONT SOIL	12.75	F	24.04	TN	$306.51	$312.52	$619.03	E23
06/29/2017	I 01 1012683	30631710175	H98		SW-CONT SOIL	12.75	F	22.10	TN	$281.78	$287.30	$569.08	E23
06/29/2017	I 01 1012684	30631710175	H95		SW-CONT SOIL	12.75	F	22.48	TN	$286.62	$292.24	$578.86	E23
06/29/2017	I 01 1012685	30631710175	J18		SW-CONT SOIL	12.75	F	22.12	TN	$282.03	$287.56	$569.59	E23
06/29/2017	I 01 1012686	30631710175	H25		SW-CONT SOIL	12.75	F	21.44	TN	$273.36	$278.72	$552.08	E23
06/29/2017	I 01 1012687	30631710175	H305		SW-CONT SOIL	12.75	F	21.09	TN	$268.90	$274.17	$543.07	E23
06/29/2017	I 01 1012688	30631710175	H99		SW-CONT SOIL	12.75	F	22.77	TN	$290.32	$296.01	$586.33	E23
06/29/2017	I 01 1012689	30631710175	OAK853		SW-CONT SOIL	12.75	F	22.37	TN	$285.22	$290.81	$576.03	E23
06/29/2017	I 01 1012690	30631710175	OAK854		SW-CONT SOIL	12.75	F	22.26	TN	$283.82	$289.38	$573.20	E23
06/29/2017	I 01 1012692	30631710175	OAK857		SW-CONT SOIL	12.75	F	26.30	TN	$335.33	$341.90	$677.23	E23
06/29/2017	I 01 1012693	30631710175	OAK843		SW-CONT SOIL	12.75	F	20.42	TN	$260.36	$265.46	$525.82	E23
06/29/2017	I 01 1012694	30631710175	OAK841		SW-CONT SOIL	12.75	F	21.85	TN	$278.59	$284.05	$562.64	E23
06/29/2017	I 01 1012695	30631710175	J2		SW-CONT SOIL	12.75	F	22.36	TN	$285.09	$290.68	$575.77	E23
06/29/2017	I 01 1012697	30631710175	J1		SW-CONT SOIL	12.75	F	22.96	TN	$292.74	$298.48	$591.22	E23
06/29/2017	I 01 1012698	30631710175	OAK851		SW-CONT SOIL	12.75	F	23.61	TN	$301.03	$306.93	$607.96	E23
06/29/2017	I 01 1012699	30631710175	J4		SW-CONT SOIL	12.75	F	24.18	TN	$308.30	$314.34	$622.64	E23
06/29/2017	I 01 1012701	30631710175	OAK840		SW-CONT SOIL	12.75	F	19.66	TN	$250.67	$255.58	$506.25	E23
06/29/2017	I 01 1012702	30631710175	OAK845		SW-CONT SOIL	12.75	F	22.41	TN	$285.73	$291.33	$577.06	E23
06/29/2017	I 01 1012703	30631710175	J18		SW-CONT SOIL	12.75	F	19.50	TN	$248.63	$253.50	$502.13	E23
06/29/2017	I 01 1012704	30631710175	H25		SW-CONT SOIL	12.75	F	21.19	TN	$270.17	$275.47	$545.64	E23
06/29/2017	I 01 1012705	30631710175	J34		SW-CONT SOIL	12.75	F	21.41	TN	$272.98	$278.33	$551.31	E23
06/29/2017	I 01 1012707	30631710175	H305		SW-CONT SOIL	12.75	F	19.87	TN	$253.34	$258.31	$511.65	E23
06/29/2017	I 01 1012708	30631710175	OAK853		SW-CONT SOIL	12.75	F	20.62	TN	$262.91	$268.06	$530.97	E23
06/29/2017	I 01 1012709	30631710175	OAK854		SW-CONT SOIL	12.75	F	22.89	TN	$291.85	$297.57	$589.42	E23
06/29/2017	I 01 1012710	30631710175	H99		SW-CONT SOIL	12.75	F	22.07	TN	$281.39	$286.91	$568.30	E23
06/29/2017	I 01 1012712	30631710175	H98		SW-CONT SOIL	12.75	F	21.98	TN	$280.25	$285.74	$565.99	E23
06/29/2017	I 01 1012714	30631710175	H95		SW-CONT SOIL	12.75	F	20.62	TN	$262.91	$268.06	$530.97	E23
06/29/2017	I 01 1012716	30631710175	OAK857		SW-CONT SOIL	12.75	F	21.51	TN	$274.25	$279.63	$553.88	E23
06/29/2017	I 01 1012719	30631710175	J2		SW-CONT SOIL	12.75	F	17.28	TN	$220.32	$224.64	$444.96	E23
06/29/2017	I 01 1012720	30631710175	J1		SW-CONT SOIL	12.75	F	20.89	TN	$266.35	$271.57	$537.92	E23
06/29/2017	I 01 1012721	30631710175	OAK843		SW-CONT SOIL	12.75	F	17.88	TN	$227.97	$232.44	$460.41	E23

Detail Customer Activity Report

All Ticket Types | June 20, 2017 to July 03, 2017 | All Facilities

History and Waiting | Specific Customer(s) : 100095,100053

100053- CITY OF KENOSHA

Ticket Date	Facility & Ticket Number	Contract	Truck #	Container	Material	Material Rate		Billing Quantity		Material Total	Tax Total	Total	
06/29/2017	I 01 1012723	30631710175	OAK841		SW-CONT SOIL	12.75	F	23.78	TN	$303.20	$309.14	$612.34	E23
06/29/2017	I 01 1012727	30631710175	J18		SW-CONT SOIL	12.75	F	25.02	TN	$319.01	$325.26	$644.27	E23
06/29/2017	I 01 1012728	30631710175	H25		SW-CONT SOIL	12.75	F	22.07	TN	$281.39	$286.91	$568.30	E23
06/29/2017	I 01 1012729	30631710175	OAK851		SW-CONT SOIL	12.75	F	18.56	TN	$236.64	$241.28	$477.92	E23
06/29/2017	I 01 1012731	30631710175	J4		SW-CONT SOIL	12.75	F	20.01	TN	$255.13	$260.13	$515.26	E23
06/29/2017	I 01 1012734	30631710175	H305		SW-CONT SOIL	12.75	F	23.39	TN	$298.22	$304.07	$602.29	E23
06/29/2017	I 01 1012736	30631710175	OAK853		SW-CONT SOIL	12.75	F	22.87	TN	$291.59	$297.31	$588.90	E23
06/29/2017	I 01 1012737	30631710175	OAK854		SW-CONT SOIL	12.75	F	22.27	TN	$283.94	$289.51	$573.45	E23
06/29/2017	I 01 1012739	30631710175	OAK840		SW-CONT SOIL	12.75	F	22.42	TN	$285.86	$291.46	$577.32	E23
06/29/2017	I 01 1012741	30631710175	H99		SW-CONT SOIL	12.75	F	21.46	TN	$273.62	$278.98	$552.60	E23
06/29/2017	I 01 1012742	30631710175	J34		SW-CONT SOIL	12.75	F	21.09	TN	$268.90	$274.17	$543.07	E23
06/29/2017	I 01 1012745	30631710175	H98		SW-CONT SOIL	12.75	F	20.81	TN	$265.33	$270.53	$535.86	E23
06/29/2017	I 01 1012746	30631710175	H95		SW-CONT SOIL	12.75	F	22.63	TN	$288.53	$294.19	$582.72	E23
06/29/2017	I 01 1012747	30631710175	OAK857		SW-CONT SOIL	12.75	F	23.39	TN	$298.22	$304.07	$602.29	E23
06/29/2017	I 01 1012748	30631710175	OAK845		SW-CONT SOIL	12.75	F	25.34	TN	$323.09	$329.42	$652.51	E23
06/29/2017	I 01 1012750	30631710175	J2		SW-CONT SOIL	12.75	F	22.86	TN	$291.47	$297.18	$588.65	E23
06/29/2017	I 01 1012751	30631710175	J1		SW-CONT SOIL	12.75	F	22.45	TN	$286.24	$291.85	$578.09	E23
06/29/2017	I 01 1012752	30631710175	OAK843		SW-CONT SOIL	12.75	F	21.83	TN	$278.33	$283.79	$562.12	E23
06/29/2017	I 01 1012755	30631710175	H25		SW-CONT SOIL	12.75	F	19.83	TN	$252.83	$257.79	$510.62	E23
06/29/2017	I 01 1012756	30631710175	OAK841		SW-CONT SOIL	12.75	F	22.05	TN	$281.14	$286.65	$567.79	E23
06/29/2017	I 01 1012758	30631710175	J18		SW-CONT SOIL	12.75	F	20.08	TN	$256.02	$261.04	$517.06	E23
06/29/2017	I 01 1012759	30631710175	J4		SW-CONT SOIL	12.75	F	22.93	TN	$292.36	$298.09	$590.45	E23
06/29/2017	I 01 1012760	30631710175	OAK854		SW-CONT SOIL	12.75	F	22.39	TN	$285.47	$291.07	$576.54	E23
06/29/2017	I 01 1012761	30631710175	OAK851		SW-CONT SOIL	12.75	F	22.06	TN	$281.27	$286.78	$568.05	E23
06/29/2017	I 01 1012762	30631710175	H305		SW-CONT SOIL	12.75	F	23.26	TN	$296.57	$302.38	$598.95	E23
06/29/2017	I 01 1012763	30631710175	OAK853		SW-CONT SOIL	12.75	F	22.77	TN	$290.32	$296.01	$586.33	E23
06/29/2017	I 01 1012764	30631710175	OAK840		SW-CONT SOIL	12.75	F	22.26	TN	$283.82	$289.38	$573.20	E23
06/29/2017	I 01 1012766	30631710175	H99		SW-CONT SOIL	12.75	F	23.12	TN	$294.78	$300.56	$595.34	E23
06/29/2017	I 01 1012767	30631710175	J34		SW-CONT SOIL	12.75	F	23.60	TN	$300.90	$306.80	$607.70	E23
06/29/2017	I 01 1012768	30631710175	H98		SW-CONT SOIL	12.75	F	21.20	TN	$270.30	$275.60	$545.90	E23
06/29/2017	I 01 1012769	30631710175	H95		SW-CONT SOIL	12.75	F	21.89	TN	$279.10	$284.57	$563.67	E23
06/29/2017	I 01 1012771	30631710175	OAK845		SW-CONT SOIL	12.75	F	21.24	TN	$270.81	$276.12	$546.93	E23

Detail Customer Activity Report

All Ticket Types | June 20, 2017 to July 03, 2017 | All Facilities

History and Waiting | Specific Customer(s) : 100095,100053

100053- CITY OF KENOSHA

Ticket Date	Facility & Ticket Number	Contract	Truck #	Container	Material	Material Rate		Billing Quantity		Material Total	Tax Total	Total	
06/29/2017	I 01 1012772	30631710175	OAK857		SW-CONT SOIL	12.75	F	22.82	TN	$290.96	$296.66	$587.62	E23
06/29/2017	I 01 1012774	30631710175	J1		SW-CONT SOIL	12.75	F	21.18	TN	$270.05	$275.34	$545.39	E23
06/29/2017	I 01 1012775	30631710175	J2		SW-CONT SOIL	12.75	F	21.60	TN	$275.40	$280.80	$556.20	E23
06/29/2017	I 01 1012776	30631710175	H25		SW-CONT SOIL	12.75	F	20.89	TN	$266.35	$271.57	$537.92	E23
06/29/2017	I 01 1012780	30631710175	OAK843		SW-CONT SOIL	12.75	F	20.97	TN	$267.37	$272.61	$539.98	E23
06/29/2017	I 01 1012781	30631710175	OAK841		SW-CONT SOIL	12.75	F	21.86	TN	$278.72	$284.18	$562.90	E23
06/29/2017	I 01 1012783	30631710175	J18		SW-CONT SOIL	12.75	F	20.57	TN	$262.27	$267.41	$529.68	E23
06/29/2017	I 01 1012785	30631710175	J4		SW-CONT SOIL	12.75	F	23.20	TN	$295.80	$301.60	$597.40	E23
06/29/2017	I 01 1012786	30631710175	OAK854		SW-CONT SOIL	12.75	F	27.59	TN	$351.77	$358.67	$710.44	E23
06/29/2017	I 01 1012787	30631710175	OAK851		SW-CONT SOIL	12.75	F	21.66	TN	$276.17	$281.58	$557.75	E23
06/29/2017	I 01 1012788	30631710175	H305		SW-CONT SOIL	12.75	F	21.87	TN	$278.84	$284.31	$563.15	E23
06/29/2017	I 01 1012789	30631710175	OAK853		SW-CONT SOIL	12.75	F	22.74	TN	$289.94	$295.62	$585.56	E23
06/29/2017	I 01 1012790	30631710175	OAK840		SW-CONT SOIL	12.75	F	21.12	TN	$269.28	$274.56	$543.84	E23
06/29/2017	I 01 1012791	30631710175	H99		SW-CONT SOIL	12.75	F	21.73	TN	$277.06	$282.49	$559.55	E23
06/29/2017	I 01 1012792	30631710175	J34		SW-CONT SOIL	12.75	F	22.68	TN	$289.17	$294.84	$584.01	E23
06/29/2017	I 01 1012794	30631710175	H95		SW-CONT SOIL	12.75	F	20.82	TN	$265.46	$270.66	$536.12	E23
06/29/2017	I 01 1012795	30631710175	H98		SW-CONT SOIL	12.75	F	20.97	TN	$267.37	$272.61	$539.98	E23
06/29/2017	I 01 1012796	30631710175	OAK845		SW-CONT SOIL	12.75	F	20.41	TN	$260.23	$265.33	$525.56	E23
06/29/2017	I 01 1012797	30631710175	J1		SW-CONT SOIL	12.75	F	21.22	TN	$270.56	$275.86	$546.42	E23
						Total		3,057.45					

Detail Customer Activity Report

All Ticket Types | June 20, 2017 to July 03, 2017 | All Facilities

History and Waiting | Specific Customer(s) : 100095,100053

100053- CITY OF KENOSHA

Ticket Date	Facility & Ticket Number	Contract	Truck #	Container	Material	Material Rate		Billing Quantity		Material Total	Tax Total	Total	
06/30/2017	I 01 1012798	30631710175	OAK844		SW-CONT SOIL	12.75	F	16.09	TN	$205.15	$209.17	$414.32	E23
06/30/2017	I 01 1012799	30631710175	OAK854		SW-CONT SOIL	12.75	F	17.45	TN	$222.49	$226.85	$449.34	E23
06/30/2017	I 01 1012800	30631710175	OAK853		SW-CONT SOIL	12.75	F	18.05	TN	$230.14	$234.65	$464.79	E23
06/30/2017	I 01 1012801	30631710175	OAK845		SW-CONT SOIL	12.75	F	16.04	TN	$204.51	$208.52	$413.03	E23
06/30/2017	I 01 1012803	30631710175	OAK843		SW-CONT SOIL	12.75	F	14.85	TN	$189.34	$193.05	$382.39	E23
06/30/2017	I 01 1012804	30631710175	OAK841		SW-CONT SOIL	12.75	F	18.16	TN	$231.54	$236.08	$467.62	E23
06/30/2017	I 01 1012805	30631710175	J34		SW-CONT SOIL	12.75	F	15.55	TN	$198.26	$202.15	$400.41	E23
06/30/2017	I 01 1012806	30631710175	J2		SW-CONT SOIL	12.75	F	15.08	TN	$192.27	$196.04	$388.31	E23
06/30/2017	I 01 1012807	30631710175	J1		SW-CONT SOIL	12.75	F	14.46	TN	$184.37	$187.98	$372.35	E23
06/30/2017	I 01 1012808	30631710175	OAK857		SW-CONT SOIL	12.75	F	15.16	TN	$193.29	$197.08	$390.37	E23
06/30/2017	I 01 1012809	30631710175	OAK842		SW-CONT SOIL	12.75	F	17.28	TN	$220.32	$224.64	$444.96	E23
06/30/2017	I 01 1012811	30631710175	OAK844		SW-CONT SOIL	12.75	F	21.18	TN	$270.05	$275.34	$545.39	E23
06/30/2017	I 01 1012812	30631710175	OAK854		SW-CONT SOIL	12.75	F	18.62	TN	$237.41	$242.06	$479.47	E23
06/30/2017	I 01 1012813	30631710175	OAK853		SW-CONT SOIL	12.75	F	19.72	TN	$251.43	$256.36	$507.79	E23
06/30/2017	I 01 1012818	30631710175	J34		SW-CONT SOIL	12.75	F	20.99	TN	$267.62	$272.87	$540.49	E23
06/30/2017	I 01 1012819	30631710175	J2		SW-CONT SOIL	12.75	F	16.50	TN	$210.38	$214.50	$424.88	E23
06/30/2017	I 01 1012821	30631710175	J1		SW-CONT SOIL	12.75	F	19.31	TN	$246.20	$251.03	$497.23	E23
06/30/2017	I 01 1012823	30631710175	OAK857		SW-CONT SOIL	12.75	F	19.88	TN	$253.47	$258.44	$511.91	E23
06/30/2017	I 01 1012824	30631710175	OAK845		SW-CONT SOIL	12.75	F	18.49	TN	$235.75	$240.37	$476.12	E23
06/30/2017	I 01 1012826	30631710175	OAK843		SW-CONT SOIL	12.75	F	19.73	TN	$251.56	$256.49	$508.05	E23
06/30/2017	I 01 1012828	30631710175	OAK841		SW-CONT SOIL	12.75	F	18.53	TN	$236.26	$240.89	$477.15	E23
						Total		371.12					

3-day Total = 5,521.88 tons

Appendix C

Laboratory Analytical Reports

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

July 13, 2017

Lanette Altenbach
AECOM, Inc.
1555 N River Center Drive
Suite 214
Milwaukee, WI 53212

RE: Project: 60523016.1 KEP GROUP B EXC.
Pace Project No.: 40152797

Dear Lanette Altenbach:
Enclosed are the analytical results for sample(s) received by the laboratory on July 06, 2017. The results relate only to the samples included in this report. Results reported herein conform to the most current, applicable TNI/NELAC standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

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

Sincerely,

Christopher Hyska

Christopher Hyska
christopher.hyska@pacelabs.com
(920)469-2436
Project Manager

Enclosures

cc: Susan Petrofske, AECOM, Inc.

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

CERTIFICATIONS

Project: 60523016.1 KEP GROUP B EXC.
Pace Project No.: 40152797

Green Bay Certification IDs

1241 Bellevue Street, Green Bay, WI 54302
Florida/NELAP Certification #: E87948
Illinois Certification #: 200050
Kentucky UST Certification #: 82
Louisiana Certification #: 04168
Minnesota Certification #: 055-999-334
New York Certification #: 12064
North Dakota Certification #: R-150
Virginia VELAP ID: 460263
South Carolina Certification #: 83006001
Texas Certification #: T104704529-14-1
Wisconsin Certification #: 405132750
Wisconsin DATCP Certification #: 105-444
USDA Soil Permit #: P330-16-00157
Federal Fish & Wildlife Permit #: LE51774A-0

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

SAMPLE SUMMARY

Project: 60523016.1 KEP GROUP B EXC.
Pace Project No.: 40152797

Lab ID	Sample ID	Matrix	Date Collected	Date Received
40152797001	**9P-B-1**	Solid	07/03/17 12:05	07/06/17 09:50
40152797002	**9P-B-2**	Solid	07/03/17 12:10	07/06/17 09:50
40152797003	**9P-B-3**	Solid	07/03/17 12:15	07/06/17 09:50
40152797004	**9P-B-4**	Solid	07/03/17 12:20	07/06/17 09:50
40152797005	**9P-B-5**	Solid	07/03/17 12:25	07/06/17 09:50
40152797006	**9P-B-6**	Solid	07/03/17 12:30	07/06/17 09:50
40152797007	**9P-B-7**	Solid	07/03/17 12:35	07/06/17 09:50
40152797008	**9P-B-8**	Solid	07/03/17 12:40	07/06/17 09:50
40152797009	**9P-B-9**	Solid	07/03/17 12:45	07/06/17 09:50
40152797010	**9P-B-10**	Solid	07/03/17 12:50	07/06/17 09:50
40152797011	**9P-B-11**	Solid	07/03/17 12:55	07/06/17 09:50
40152797012	**9P-B-12**	Solid	07/03/17 13:00	07/06/17 09:50
40152797013	**9P-B-13**	Solid	07/03/17 13:05	07/06/17 09:50

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

SAMPLE ANALYTE COUNT

Project: 60523016.1 KEP GROUP B EXC.
Pace Project No.: 40152797

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
40152797001	**9P-B-1**	EPA 8082	BLM	10	PASI-G
		ASTM D2974-87	BTH	1	PASI-G
40152797002	**9P-B-2**	EPA 8082	BLM	10	PASI-G
		ASTM D2974-87	BTH	1	PASI-G
40152797003	**9P-B-3**	EPA 8082	BLM	10	PASI-G
		ASTM D2974-87	BTH	1	PASI-G
40152797004	**9P-B-4**	EPA 8082	BLM	10	PASI-G
		ASTM D2974-87	BTH	1	PASI-G
40152797005	**9P-B-5**	EPA 8082	BLM	10	PASI-G
		ASTM D2974-87	BTH	1	PASI-G
40152797006	**9P-B-6**	EPA 8082	BLM	10	PASI-G
		ASTM D2974-87	BTH	1	PASI-G
40152797007	**9P-B-7**	EPA 8082	BLM	10	PASI-G
		ASTM D2974-87	BTH	1	PASI-G
40152797008	**9P-B-8**	EPA 8082	BLM	10	PASI-G
		ASTM D2974-87	BTH	1	PASI-G
40152797009	**9P-B-9**	EPA 8082	BLM	10	PASI-G
		ASTM D2974-87	BTH	1	PASI-G
40152797010	**9P-B-10**	EPA 8082	BLM	10	PASI-G
		ASTM D2974-87	BTH	1	PASI-G
40152797011	**9P-B-11**	EPA 8082	BLM	10	PASI-G
		ASTM D2974-87	BTH	1	PASI-G
40152797012	**9P-B-12**	EPA 8082	BLM	10	PASI-G
		ASTM D2974-87	BTH	1	PASI-G
40152797013	**9P-B-13**	EPA 8082	BLM	10	PASI-G
		ASTM D2974-87	BTH	1	PASI-G

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

SUMMARY OF DETECTION

Project: 60523016.1 KEP GROUP B EXC.
Pace Project No.: 40152797

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
40152797001	**9P-B-1**					
EPA 8082	PCB-1260 (Aroclor 1260)	268	ug/kg	58.3	07/10/17 14:03	
EPA 8082	PCB, Total	268	ug/kg	58.3	07/10/17 14:03	
ASTM D2974-87	Percent Moisture	14.2	%	0.10	07/11/17 11:39	
40152797002	**9P-B-2**					
ASTM D2974-87	Percent Moisture	26.7	%	0.10	07/11/17 11:39	
40152797003	**9P-B-3**					
ASTM D2974-87	Percent Moisture	27.9	%	0.10	07/11/17 11:39	
40152797004	**9P-B-4**					
ASTM D2974-87	Percent Moisture	20.6	%	0.10	07/11/17 11:39	
40152797005	**9P-B-5**					
ASTM D2974-87	Percent Moisture	33.2	%	0.10	07/11/17 11:39	
40152797006	**9P-B-6**					
ASTM D2974-87	Percent Moisture	29.3	%	0.10	07/11/17 11:39	
40152797007	**9P-B-7**					
ASTM D2974-87	Percent Moisture	17.1	%	0.10	07/12/17 08:13	
40152797008	**9P-B-8**					
ASTM D2974-87	Percent Moisture	27.7	%	0.10	07/12/17 08:13	
40152797009	**9P-B-9**					
ASTM D2974-87	Percent Moisture	15.6	%	0.10	07/12/17 08:13	
40152797010	**9P-B-10**					
ASTM D2974-87	Percent Moisture	17.6	%	0.10	07/12/17 08:13	
40152797011	**9P-B-11**					
ASTM D2974-87	Percent Moisture	28.6	%	0.10	07/12/17 08:13	
40152797012	**9P-B-12**					
EPA 8082	PCB-1260 (Aroclor 1260)	89.8	ug/kg	68.9	07/10/17 18:32	
EPA 8082	PCB, Total	89.8	ug/kg	68.9	07/10/17 18:32	
ASTM D2974-87	Percent Moisture	27.4	%	0.10	07/12/17 08:13	
40152797013	**9P-B-13**					
EPA 8082	PCB-1260 (Aroclor 1260)	35.0J	ug/kg	68.5	07/10/17 18:53	
EPA 8082	PCB, Total	35.0J	ug/kg	68.5	07/10/17 18:53	
ASTM D2974-87	Percent Moisture	27.0	%	0.10	07/12/17 08:13	

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: 60523016.1 KEP GROUP B EXC.
Pace Project No.: 40152797

Sample: 9P-B-1 **Lab ID: 40152797001** Collected: 07/03/17 12:05 Received: 07/06/17 09:50 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8082 GCS PCB	Analytical Method: EPA 8082 Preparation Method: EPA 3541								
PCB-1016 (Aroclor 1016)	**<29.2**	ug/kg	58.3	29.2	1	07/07/17 11:41	07/10/17 14:03	12674-11-2	
PCB-1221 (Aroclor 1221)	**<29.2**	ug/kg	58.3	29.2	1	07/07/17 11:41	07/10/17 14:03	11104-28-2	
PCB-1232 (Aroclor 1232)	**<29.2**	ug/kg	58.3	29.2	1	07/07/17 11:41	07/10/17 14:03	11141-16-5	
PCB-1242 (Aroclor 1242)	**<29.2**	ug/kg	58.3	29.2	1	07/07/17 11:41	07/10/17 14:03	53469-21-9	
PCB-1248 (Aroclor 1248)	**<29.2**	ug/kg	58.3	29.2	1	07/07/17 11:41	07/10/17 14:03	12672-29-6	
PCB-1254 (Aroclor 1254)	**<29.2**	ug/kg	58.3	29.2	1	07/07/17 11:41	07/10/17 14:03	11097-69-1	
PCB-1260 (Aroclor 1260)	**268**	ug/kg	58.3	29.2	1	07/07/17 11:41	07/10/17 14:03	11096-82-5	
PCB, Total	**268**	ug/kg	58.3	29.2	1	07/07/17 11:41	07/10/17 14:03	1336-36-3	
Surrogates									
Tetrachloro-m-xylene (S)	81	%	50-102		1	07/07/17 11:41	07/10/17 14:03	877-09-8	
Decachlorobiphenyl (S)	81	%	53-105		1	07/07/17 11:41	07/10/17 14:03	2051-24-3	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**14.2**	%	0.10	0.10	1		07/11/17 11:39		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: 60523016.1 KEP GROUP B EXC.
Pace Project No.: 40152797

Sample: 9P-B-2 **Lab ID: 40152797002** Collected: 07/03/17 12:10 Received: 07/06/17 09:50 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8082 GCS PCB	Analytical Method: EPA 8082 Preparation Method: EPA 3541								
PCB-1016 (Aroclor 1016)	**<34.1**	ug/kg	68.2	34.1	1	07/07/17 11:41	07/10/17 14:24	12674-11-2	
PCB-1221 (Aroclor 1221)	**<34.1**	ug/kg	68.2	34.1	1	07/07/17 11:41	07/10/17 14:24	11104-28-2	
PCB-1232 (Aroclor 1232)	**<34.1**	ug/kg	68.2	34.1	1	07/07/17 11:41	07/10/17 14:24	11141-16-5	
PCB-1242 (Aroclor 1242)	**<34.1**	ug/kg	68.2	34.1	1	07/07/17 11:41	07/10/17 14:24	53469-21-9	
PCB-1248 (Aroclor 1248)	**<34.1**	ug/kg	68.2	34.1	1	07/07/17 11:41	07/10/17 14:24	12672-29-6	
PCB-1254 (Aroclor 1254)	**<34.1**	ug/kg	68.2	34.1	1	07/07/17 11:41	07/10/17 14:24	11097-69-1	
PCB-1260 (Aroclor 1260)	**<34.1**	ug/kg	68.2	34.1	1	07/07/17 11:41	07/10/17 14:24	11096-82-5	
PCB, Total	**<34.1**	ug/kg	68.2	34.1	1	07/07/17 11:41	07/10/17 14:24	1336-36-3	
Surrogates									
Tetrachloro-m-xylene (S)	80	%	50-102		1	07/07/17 11:41	07/10/17 14:24	877-09-8	
Decachlorobiphenyl (S)	77	%	53-105		1	07/07/17 11:41	07/10/17 14:24	2051-24-3	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**26.7**	%	0.10	0.10	1		07/11/17 11:39		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 60523016.1 KEP GROUP B EXC.
Pace Project No.: 40152797

Sample: 9P-B-3 **Lab ID: 40152797003** Collected: 07/03/17 12:15 Received: 07/06/17 09:50 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8082 GCS PCB	Analytical Method: EPA 8082 Preparation Method: EPA 3541								
PCB-1016 (Aroclor 1016)	**<34.7**	ug/kg	69.4	34.7	1	07/07/17 11:41	07/10/17 14:45	12674-11-2	
PCB-1221 (Aroclor 1221)	**<34.7**	ug/kg	69.4	34.7	1	07/07/17 11:41	07/10/17 14:45	11104-28-2	
PCB-1232 (Aroclor 1232)	**<34.7**	ug/kg	69.4	34.7	1	07/07/17 11:41	07/10/17 14:45	11141-16-5	
PCB-1242 (Aroclor 1242)	**<34.7**	ug/kg	69.4	34.7	1	07/07/17 11:41	07/10/17 14:45	53469-21-9	
PCB-1248 (Aroclor 1248)	**<34.7**	ug/kg	69.4	34.7	1	07/07/17 11:41	07/10/17 14:45	12672-29-6	
PCB-1254 (Aroclor 1254)	**<34.7**	ug/kg	69.4	34.7	1	07/07/17 11:41	07/10/17 14:45	11097-69-1	
PCB-1260 (Aroclor 1260)	**<34.7**	ug/kg	69.4	34.7	1	07/07/17 11:41	07/10/17 14:45	11096-82-5	
PCB, Total	**<34.7**	ug/kg	69.4	34.7	1	07/07/17 11:41	07/10/17 14:45	1336-36-3	
Surrogates									
Tetrachloro-m-xylene (S)	81	%	50-102		1	07/07/17 11:41	07/10/17 14:45	877-09-8	
Decachlorobiphenyl (S)	80	%	53-105		1	07/07/17 11:41	07/10/17 14:45	2051-24-3	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**27.9**	%	0.10	0.10	1		07/11/17 11:39		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 60523016.1 KEP GROUP B EXC.
Pace Project No.: 40152797

Sample: 9P-B-4 **Lab ID: 40152797004** Collected: 07/03/17 12:20 Received: 07/06/17 09:50 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8082 GCS PCB	Analytical Method: EPA 8082 Preparation Method: EPA 3541								
PCB-1016 (Aroclor 1016)	**<31.5**	ug/kg	63.0	31.5	1	07/07/17 11:41	07/10/17 15:06	12674-11-2	
PCB-1221 (Aroclor 1221)	**<31.5**	ug/kg	63.0	31.5	1	07/07/17 11:41	07/10/17 15:06	11104-28-2	
PCB-1232 (Aroclor 1232)	**<31.5**	ug/kg	63.0	31.5	1	07/07/17 11:41	07/10/17 15:06	11141-16-5	
PCB-1242 (Aroclor 1242)	**<31.5**	ug/kg	63.0	31.5	1	07/07/17 11:41	07/10/17 15:06	53469-21-9	
PCB-1248 (Aroclor 1248)	**<31.5**	ug/kg	63.0	31.5	1	07/07/17 11:41	07/10/17 15:06	12672-29-6	
PCB-1254 (Aroclor 1254)	**<31.5**	ug/kg	63.0	31.5	1	07/07/17 11:41	07/10/17 15:06	11097-69-1	
PCB-1260 (Aroclor 1260)	**<31.5**	ug/kg	63.0	31.5	1	07/07/17 11:41	07/10/17 15:06	11096-82-5	
PCB, Total	**<31.5**	ug/kg	63.0	31.5	1	07/07/17 11:41	07/10/17 15:06	1336-36-3	
Surrogates									
Tetrachloro-m-xylene (S)	82	%	50-102		1	07/07/17 11:41	07/10/17 15:06	877-09-8	
Decachlorobiphenyl (S)	80	%	53-105		1	07/07/17 11:41	07/10/17 15:06	2051-24-3	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**20.6**	%	0.10	0.10	1		07/11/17 11:39		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 60523016.1 KEP GROUP B EXC.
Pace Project No.: 40152797

Sample: 9P-B-5 **Lab ID: 40152797005** Collected: 07/03/17 12:25 Received: 07/06/17 09:50 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8082 GCS PCB	Analytical Method: EPA 8082 Preparation Method: EPA 3541								
PCB-1016 (Aroclor 1016)	**<37.4**	ug/kg	74.9	37.4	1	07/07/17 11:41	07/10/17 15:27	12674-11-2	
PCB-1221 (Aroclor 1221)	**<37.4**	ug/kg	74.9	37.4	1	07/07/17 11:41	07/10/17 15:27	11104-28-2	
PCB-1232 (Aroclor 1232)	**<37.4**	ug/kg	74.9	37.4	1	07/07/17 11:41	07/10/17 15:27	11141-16-5	
PCB-1242 (Aroclor 1242)	**<37.4**	ug/kg	74.9	37.4	1	07/07/17 11:41	07/10/17 15:27	53469-21-9	
PCB-1248 (Aroclor 1248)	**<37.4**	ug/kg	74.9	37.4	1	07/07/17 11:41	07/10/17 15:27	12672-29-6	
PCB-1254 (Aroclor 1254)	**<37.4**	ug/kg	74.9	37.4	1	07/07/17 11:41	07/10/17 15:27	11097-69-1	
PCB-1260 (Aroclor 1260)	**<37.4**	ug/kg	74.9	37.4	1	07/07/17 11:41	07/10/17 15:27	11096-82-5	
PCB, Total	**<37.4**	ug/kg	74.9	37.4	1	07/07/17 11:41	07/10/17 15:27	1336-36-3	
Surrogates									
Tetrachloro-m-xylene (S)	81	%	50-102		1	07/07/17 11:41	07/10/17 15:27	877-09-8	
Decachlorobiphenyl (S)	76	%	53-105		1	07/07/17 11:41	07/10/17 15:27	2051-24-3	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**33.2**	%	0.10	0.10	1		07/11/17 11:39		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 60523016.1 KEP GROUP B EXC.
Pace Project No.: 40152797

Sample: 9P-B-6 **Lab ID: 40152797006** Collected: 07/03/17 12:30 Received: 07/06/17 09:50 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8082 GCS PCB	Analytical Method: EPA 8082 Preparation Method: EPA 3541								
PCB-1016 (Aroclor 1016)	**<35.4**	ug/kg	70.7	35.4	1	07/07/17 11:41	07/10/17 15:48	12674-11-2	
PCB-1221 (Aroclor 1221)	**<35.4**	ug/kg	70.7	35.4	1	07/07/17 11:41	07/10/17 15:48	11104-28-2	
PCB-1232 (Aroclor 1232)	**<35.4**	ug/kg	70.7	35.4	1	07/07/17 11:41	07/10/17 15:48	11141-16-5	
PCB-1242 (Aroclor 1242)	**<35.4**	ug/kg	70.7	35.4	1	07/07/17 11:41	07/10/17 15:48	53469-21-9	
PCB-1248 (Aroclor 1248)	**<35.4**	ug/kg	70.7	35.4	1	07/07/17 11:41	07/10/17 15:48	12672-29-6	
PCB-1254 (Aroclor 1254)	**<35.4**	ug/kg	70.7	35.4	1	07/07/17 11:41	07/10/17 15:48	11097-69-1	
PCB-1260 (Aroclor 1260)	**<35.4**	ug/kg	70.7	35.4	1	07/07/17 11:41	07/10/17 15:48	11096-82-5	
PCB, Total	**<35.4**	ug/kg	70.7	35.4	1	07/07/17 11:41	07/10/17 15:48	1336-36-3	
Surrogates									
Tetrachloro-m-xylene (S)	80	%	50-102		1	07/07/17 11:41	07/10/17 15:48	877-09-8	
Decachlorobiphenyl (S)	82	%	53-105		1	07/07/17 11:41	07/10/17 15:48	2051-24-3	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**29.3**	%	0.10	0.10	1		07/11/17 11:39		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 60523016.1 KEP GROUP B EXC.
Pace Project No.: 40152797

Sample: 9P-B-7 **Lab ID: 40152797007** Collected: 07/03/17 12:35 Received: 07/06/17 09:50 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8082 GCS PCB	Analytical Method: EPA 8082 Preparation Method: EPA 3541								
PCB-1016 (Aroclor 1016)	**<30.2**	ug/kg	60.3	30.2	1	07/07/17 11:41	07/10/17 16:08	12674-11-2	
PCB-1221 (Aroclor 1221)	**<30.2**	ug/kg	60.3	30.2	1	07/07/17 11:41	07/10/17 16:08	11104-28-2	
PCB-1232 (Aroclor 1232)	**<30.2**	ug/kg	60.3	30.2	1	07/07/17 11:41	07/10/17 16:08	11141-16-5	
PCB-1242 (Aroclor 1242)	**<30.2**	ug/kg	60.3	30.2	1	07/07/17 11:41	07/10/17 16:08	53469-21-9	
PCB-1248 (Aroclor 1248)	**<30.2**	ug/kg	60.3	30.2	1	07/07/17 11:41	07/10/17 16:08	12672-29-6	
PCB-1254 (Aroclor 1254)	**<30.2**	ug/kg	60.3	30.2	1	07/07/17 11:41	07/10/17 16:08	11097-69-1	
PCB-1260 (Aroclor 1260)	**<30.2**	ug/kg	60.3	30.2	1	07/07/17 11:41	07/10/17 16:08	11096-82-5	
PCB, Total	**<30.2**	ug/kg	60.3	30.2	1	07/07/17 11:41	07/10/17 16:08	1336-36-3	
Surrogates									
Tetrachloro-m-xylene (S)	81	%	50-102		1	07/07/17 11:41	07/10/17 16:08	877-09-8	
Decachlorobiphenyl (S)	83	%	53-105		1	07/07/17 11:41	07/10/17 16:08	2051-24-3	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**17.1**	%	0.10	0.10	1		07/12/17 08:13		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 60523016.1 KEP GROUP B EXC.
Pace Project No.: 40152797

Sample: 9P-B-8 **Lab ID: 40152797008** Collected: 07/03/17 12:40 Received: 07/06/17 09:50 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8082 GCS PCB	Analytical Method: EPA 8082 Preparation Method: EPA 3541								
PCB-1016 (Aroclor 1016)	**<34.6**	ug/kg	69.1	34.6	1	07/07/17 11:41	07/10/17 16:29	12674-11-2	
PCB-1221 (Aroclor 1221)	**<34.6**	ug/kg	69.1	34.6	1	07/07/17 11:41	07/10/17 16:29	11104-28-2	
PCB-1232 (Aroclor 1232)	**<34.6**	ug/kg	69.1	34.6	1	07/07/17 11:41	07/10/17 16:29	11141-16-5	
PCB-1242 (Aroclor 1242)	**<34.6**	ug/kg	69.1	34.6	1	07/07/17 11:41	07/10/17 16:29	53469-21-9	
PCB-1248 (Aroclor 1248)	**<34.6**	ug/kg	69.1	34.6	1	07/07/17 11:41	07/10/17 16:29	12672-29-6	
PCB-1254 (Aroclor 1254)	**<34.6**	ug/kg	69.1	34.6	1	07/07/17 11:41	07/10/17 16:29	11097-69-1	
PCB-1260 (Aroclor 1260)	**<34.6**	ug/kg	69.1	34.6	1	07/07/17 11:41	07/10/17 16:29	11096-82-5	
PCB, Total	**<34.6**	ug/kg	69.1	34.6	1	07/07/17 11:41	07/10/17 16:29	1336-36-3	
Surrogates									
Tetrachloro-m-xylene (S)	84	%	50-102		1	07/07/17 11:41	07/10/17 16:29	877-09-8	
Decachlorobiphenyl (S)	80	%	53-105		1	07/07/17 11:41	07/10/17 16:29	2051-24-3	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**27.7**	%	0.10	0.10	1		07/12/17 08:13		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 60523016.1 KEP GROUP B EXC.
Pace Project No.: 40152797

Sample: 9P-B-9 **Lab ID: 40152797009** Collected: 07/03/17 12:45 Received: 07/06/17 09:50 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8082 GCS PCB	Analytical Method: EPA 8082 Preparation Method: EPA 3541								
PCB-1016 (Aroclor 1016)	**<29.6**	ug/kg	59.3	29.6	1	07/07/17 11:41	07/10/17 17:31	12674-11-2	
PCB-1221 (Aroclor 1221)	**<29.6**	ug/kg	59.3	29.6	1	07/07/17 11:41	07/10/17 17:31	11104-28-2	
PCB-1232 (Aroclor 1232)	**<29.6**	ug/kg	59.3	29.6	1	07/07/17 11:41	07/10/17 17:31	11141-16-5	
PCB-1242 (Aroclor 1242)	**<29.6**	ug/kg	59.3	29.6	1	07/07/17 11:41	07/10/17 17:31	53469-21-9	
PCB-1248 (Aroclor 1248)	**<29.6**	ug/kg	59.3	29.6	1	07/07/17 11:41	07/10/17 17:31	12672-29-6	
PCB-1254 (Aroclor 1254)	**<29.6**	ug/kg	59.3	29.6	1	07/07/17 11:41	07/10/17 17:31	11097-69-1	
PCB-1260 (Aroclor 1260)	**<29.6**	ug/kg	59.3	29.6	1	07/07/17 11:41	07/10/17 17:31	11096-82-5	
PCB, Total	**<29.6**	ug/kg	59.3	29.6	1	07/07/17 11:41	07/10/17 17:31	1336-36-3	
Surrogates									
Tetrachloro-m-xylene (S)	79	%	50-102		1	07/07/17 11:41	07/10/17 17:31	877-09-8	
Decachlorobiphenyl (S)	84	%	53-105		1	07/07/17 11:41	07/10/17 17:31	2051-24-3	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**15.6**	%	0.10	0.10	1		07/12/17 08:13		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 60523016.1 KEP GROUP B EXC.
Pace Project No.: 40152797

Sample: 9P-B-10 **Lab ID: 40152797010** Collected: 07/03/17 12:50 Received: 07/06/17 09:50 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8082 GCS PCB	Analytical Method: EPA 8082 Preparation Method: EPA 3541								
PCB-1016 (Aroclor 1016)	**<30.4**	ug/kg	60.7	30.4	1	07/07/17 11:41	07/10/17 17:52	12674-11-2	
PCB-1221 (Aroclor 1221)	**<30.4**	ug/kg	60.7	30.4	1	07/07/17 11:41	07/10/17 17:52	11104-28-2	
PCB-1232 (Aroclor 1232)	**<30.4**	ug/kg	60.7	30.4	1	07/07/17 11:41	07/10/17 17:52	11141-16-5	
PCB-1242 (Aroclor 1242)	**<30.4**	ug/kg	60.7	30.4	1	07/07/17 11:41	07/10/17 17:52	53469-21-9	
PCB-1248 (Aroclor 1248)	**<30.4**	ug/kg	60.7	30.4	1	07/07/17 11:41	07/10/17 17:52	12672-29-6	
PCB-1254 (Aroclor 1254)	**<30.4**	ug/kg	60.7	30.4	1	07/07/17 11:41	07/10/17 17:52	11097-69-1	
PCB-1260 (Aroclor 1260)	**<30.4**	ug/kg	60.7	30.4	1	07/07/17 11:41	07/10/17 17:52	11096-82-5	
PCB, Total	**<30.4**	ug/kg	60.7	30.4	1	07/07/17 11:41	07/10/17 17:52	1336-36-3	
Surrogates									
Tetrachloro-m-xylene (S)	81	%	50-102		1	07/07/17 11:41	07/10/17 17:52	877-09-8	
Decachlorobiphenyl (S)	83	%	53-105		1	07/07/17 11:41	07/10/17 17:52	2051-24-3	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**17.6**	%	0.10	0.10	1		07/12/17 08:13		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 60523016.1 KEP GROUP B EXC.
Pace Project No.: 40152797

Sample: 9P-B-11 **Lab ID: 40152797011** Collected: 07/03/17 12:55 Received: 07/06/17 09:50 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8082 GCS PCB	Analytical Method: EPA 8082 Preparation Method: EPA 3541								
PCB-1016 (Aroclor 1016)	**<35.0**	ug/kg	70.0	35.0	1	07/07/17 11:41	07/10/17 18:12	12674-11-2	
PCB-1221 (Aroclor 1221)	**<35.0**	ug/kg	70.0	35.0	1	07/07/17 11:41	07/10/17 18:12	11104-28-2	
PCB-1232 (Aroclor 1232)	**<35.0**	ug/kg	70.0	35.0	1	07/07/17 11:41	07/10/17 18:12	11141-16-5	
PCB-1242 (Aroclor 1242)	**<35.0**	ug/kg	70.0	35.0	1	07/07/17 11:41	07/10/17 18:12	53469-21-9	
PCB-1248 (Aroclor 1248)	**<35.0**	ug/kg	70.0	35.0	1	07/07/17 11:41	07/10/17 18:12	12672-29-6	
PCB-1254 (Aroclor 1254)	**<35.0**	ug/kg	70.0	35.0	1	07/07/17 11:41	07/10/17 18:12	11097-69-1	
PCB-1260 (Aroclor 1260)	**<35.0**	ug/kg	70.0	35.0	1	07/07/17 11:41	07/10/17 18:12	11096-82-5	
PCB, Total	**<35.0**	ug/kg	70.0	35.0	1	07/07/17 11:41	07/10/17 18:12	1336-36-3	
Surrogates									
Tetrachloro-m-xylene (S)	82	%	50-102		1	07/07/17 11:41	07/10/17 18:12	877-09-8	
Decachlorobiphenyl (S)	84	%	53-105		1	07/07/17 11:41	07/10/17 18:12	2051-24-3	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**28.6**	%	0.10	0.10	1		07/12/17 08:13		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: 60523016.1 KEP GROUP B EXC.
Pace Project No.: 40152797

Sample: 9P-B-12 **Lab ID: 40152797012** Collected: 07/03/17 13:00 Received: 07/06/17 09:50 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8082 GCS PCB	Analytical Method: EPA 8082 Preparation Method: EPA 3541								
PCB-1016 (Aroclor 1016)	**<34.4**	ug/kg	68.9	34.4	1	07/07/17 11:41	07/10/17 18:32	12674-11-2	
PCB-1221 (Aroclor 1221)	**<34.4**	ug/kg	68.9	34.4	1	07/07/17 11:41	07/10/17 18:32	11104-28-2	
PCB-1232 (Aroclor 1232)	**<34.4**	ug/kg	68.9	34.4	1	07/07/17 11:41	07/10/17 18:32	11141-16-5	
PCB-1242 (Aroclor 1242)	**<34.4**	ug/kg	68.9	34.4	1	07/07/17 11:41	07/10/17 18:32	53469-21-9	
PCB-1248 (Aroclor 1248)	**<34.4**	ug/kg	68.9	34.4	1	07/07/17 11:41	07/10/17 18:32	12672-29-6	
PCB-1254 (Aroclor 1254)	**<34.4**	ug/kg	68.9	34.4	1	07/07/17 11:41	07/10/17 18:32	11097-69-1	
PCB-1260 (Aroclor 1260)	**89.8**	ug/kg	68.9	34.4	1	07/07/17 11:41	07/10/17 18:32	11096-82-5	
PCB, Total	**89.8**	ug/kg	68.9	34.4	1	07/07/17 11:41	07/10/17 18:32	1336-36-3	
Surrogates									
Tetrachloro-m-xylene (S)	80	%	50-102		1	07/07/17 11:41	07/10/17 18:32	877-09-8	
Decachlorobiphenyl (S)	81	%	53-105		1	07/07/17 11:41	07/10/17 18:32	2051-24-3	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**27.4**	%	0.10	0.10	1		07/12/17 08:13		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: 60523016.1 KEP GROUP B EXC.
Pace Project No.: 40152797

Sample: 9P-B-13 **Lab ID: 40152797013** Collected: 07/03/17 13:05 Received: 07/06/17 09:50 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8082 GCS PCB	Analytical Method: EPA 8082 Preparation Method: EPA 3541								
PCB-1016 (Aroclor 1016)	**<34.3**	ug/kg	68.5	34.3	1	07/07/17 11:41	07/10/17 18:53	12674-11-2	
PCB-1221 (Aroclor 1221)	**<34.3**	ug/kg	68.5	34.3	1	07/07/17 11:41	07/10/17 18:53	11104-28-2	
PCB-1232 (Aroclor 1232)	**<34.3**	ug/kg	68.5	34.3	1	07/07/17 11:41	07/10/17 18:53	11141-16-5	
PCB-1242 (Aroclor 1242)	**<34.3**	ug/kg	68.5	34.3	1	07/07/17 11:41	07/10/17 18:53	53469-21-9	
PCB-1248 (Aroclor 1248)	**<34.3**	ug/kg	68.5	34.3	1	07/07/17 11:41	07/10/17 18:53	12672-29-6	
PCB-1254 (Aroclor 1254)	**<34.3**	ug/kg	68.5	34.3	1	07/07/17 11:41	07/10/17 18:53	11097-69-1	
PCB-1260 (Aroclor 1260)	**35.0J**	ug/kg	68.5	34.3	1	07/07/17 11:41	07/10/17 18:53	11096-82-5	
PCB, Total	**35.0J**	ug/kg	68.5	34.3	1	07/07/17 11:41	07/10/17 18:53	1336-36-3	
Surrogates									
Tetrachloro-m-xylene (S)	83	%	50-102		1	07/07/17 11:41	07/10/17 18:53	877-09-8	
Decachlorobiphenyl (S)	86	%	53-105		1	07/07/17 11:41	07/10/17 18:53	2051-24-3	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**27.0**	%	0.10	0.10	1		07/12/17 08:13		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

QUALITY CONTROL DATA

Project: 60523016.1 KEP GROUP B EXC.
Pace Project No.: 40152797

QC Batch: 260879 Analysis Method: EPA 8082
QC Batch Method: EPA 3541 Analysis Description: 8082 GCS PCB
Associated Lab Samples: 40152797001, 40152797002, 40152797003, 40152797004, 40152797005, 40152797006, 40152797007, 40152797008, 40152797009, 40152797010, 40152797011, 40152797012, 40152797013

METHOD BLANK: 1536423 Matrix: Solid
Associated Lab Samples: 40152797001, 40152797002, 40152797003, 40152797004, 40152797005, 40152797006, 40152797007, 40152797008, 40152797009, 40152797010, 40152797011, 40152797012, 40152797013

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
PCB-1016 (Aroclor 1016)	ug/kg	<25.0	50.0	07/10/17 12:40	
PCB-1221 (Aroclor 1221)	ug/kg	<25.0	50.0	07/10/17 12:40	
PCB-1232 (Aroclor 1232)	ug/kg	<25.0	50.0	07/10/17 12:40	
PCB-1242 (Aroclor 1242)	ug/kg	<25.0	50.0	07/10/17 12:40	
PCB-1248 (Aroclor 1248)	ug/kg	<25.0	50.0	07/10/17 12:40	
PCB-1254 (Aroclor 1254)	ug/kg	<25.0	50.0	07/10/17 12:40	
PCB-1260 (Aroclor 1260)	ug/kg	<25.0	50.0	07/10/17 12:40	
Decachlorobiphenyl (S)	%	80	53-105	07/10/17 12:40	
Tetrachloro-m-xylene (S)	%	80	50-102	07/10/17 12:40	

LABORATORY CONTROL SAMPLE: 1536424

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
PCB-1016 (Aroclor 1016)	ug/kg		<25.0			
PCB-1221 (Aroclor 1221)	ug/kg		<25.0			
PCB-1232 (Aroclor 1232)	ug/kg		<25.0			
PCB-1242 (Aroclor 1242)	ug/kg		<25.0			
PCB-1248 (Aroclor 1248)	ug/kg		<25.0			
PCB-1254 (Aroclor 1254)	ug/kg		<25.0			
PCB-1260 (Aroclor 1260)	ug/kg	500	427	85	59-106	
Decachlorobiphenyl (S)	%			81	53-105	
Tetrachloro-m-xylene (S)	%			80	50-102	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1536425 1536426

Parameter	Units	40152797004 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
PCB-1016 (Aroclor 1016)	ug/kg	<31.5			<31.5	<31.5					20	
PCB-1221 (Aroclor 1221)	ug/kg	<31.5			<31.5	<31.5					20	
PCB-1232 (Aroclor 1232)	ug/kg	<31.5			<31.5	<31.5					20	
PCB-1242 (Aroclor 1242)	ug/kg	<31.5			<31.5	<31.5					20	
PCB-1248 (Aroclor 1248)	ug/kg	<31.5			<31.5	<31.5					20	
PCB-1254 (Aroclor 1254)	ug/kg	<31.5			<31.5	<31.5					20	
PCB-1260 (Aroclor 1260)	ug/kg	<31.5	630	630	537	540	85	86	51-109	1	20	
Decachlorobiphenyl (S)	%						79	80	53-105			
Tetrachloro-m-xylene (S)	%						80	79	50-102			

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, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

QUALITY CONTROL DATA

Project: 60523016.1 KEP GROUP B EXC.
Pace Project No.: 40152797

QC Batch: 261159 Analysis Method: ASTM D2974-87
QC Batch Method: ASTM D2974-87 Analysis Description: Dry Weight/Percent Moisture
Associated Lab Samples: 40152797001, 40152797002, 40152797003, 40152797004, 40152797005, 40152797006

SAMPLE DUPLICATE: 1537781

Parameter	Units	40152812006 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	21.7	20.8	4	10	

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

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

QUALITY CONTROL DATA

Project: 60523016.1 KEP GROUP B EXC.
Pace Project No.: 40152797

QC Batch: 261166 Analysis Method: ASTM D2974-87
QC Batch Method: ASTM D2974-87 Analysis Description: Dry Weight/Percent Moisture
Associated Lab Samples: 40152797007, 40152797008, 40152797009, 40152797010, 40152797011, 40152797012, 40152797013

SAMPLE DUPLICATE: 1537833

Parameter	Units	40152816007 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	17.2	17.3	0	10	

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

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

QUALIFIERS

Project: 60523016.1 KEP GROUP B EXC.
Pace Project No.: 40152797

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 LOD.

J - Estimated concentration at or above the LOD and below the LOQ.

LOD - Limit of Detection adjusted for dilution factor and percent moisture.

LOQ - Limit of Quantitation adjusted for dilution factor and percent moisture.

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 at or above the adjusted LOD.

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-G Pace Analytical Services - Green Bay

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 60523016.1 KEP GROUP B EXC.
Pace Project No.: 40152797

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40152797001	**9P-B-1**	EPA 3541	260879	EPA 8082	260881
40152797002	**9P-B-2**	EPA 3541	260879	EPA 8082	260881
40152797003	**9P-B-3**	EPA 3541	260879	EPA 8082	260881
40152797004	**9P-B-4**	EPA 3541	260879	EPA 8082	260881
40152797005	**9P-B-5**	EPA 3541	260879	EPA 8082	260881
40152797006	**9P-B-6**	EPA 3541	260879	EPA 8082	260881
40152797007	**9P-B-7**	EPA 3541	260879	EPA 8082	260881
40152797008	**9P-B-8**	EPA 3541	260879	EPA 8082	260881
40152797009	**9P-B-9**	EPA 3541	260879	EPA 8082	260881
40152797010	**9P-B-10**	EPA 3541	260879	EPA 8082	260881
40152797011	**9P-B-11**	EPA 3541	260879	EPA 8082	260881
40152797012	**9P-B-12**	EPA 3541	260879	EPA 8082	260881
40152797013	**9P-B-13**	EPA 3541	260879	EPA 8082	260881
40152797001	**9P-B-1**	ASTM D2974-87	261159		
40152797002	**9P-B-2**	ASTM D2974-87	261159		
40152797003	**9P-B-3**	ASTM D2974-87	261159		
40152797004	**9P-B-4**	ASTM D2974-87	261159		
40152797005	**9P-B-5**	ASTM D2974-87	261159		
40152797006	**9P-B-6**	ASTM D2974-87	261159		
40152797007	**9P-B-7**	ASTM D2974-87	261166		
40152797008	**9P-B-8**	ASTM D2974-87	261166		
40152797009	**9P-B-9**	ASTM D2974-87	261166		
40152797010	**9P-B-10**	ASTM D2974-87	261166		
40152797011	**9P-B-11**	ASTM D2974-87	261166		
40152797012	**9P-B-12**	ASTM D2974-87	261166		
40152797013	**9P-B-13**	ASTM D2974-87	261166		

Pace Analytical
www.pacelabs.com

CHAIN-OF-CUSTODY / Analytical Request Document

40152797

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

KR

Section A Required Client Information:	Section B Required Project Information:	Section C Invoice Information:
Company: AECOM - Milw	Report To: Lanette Altenbach	Attention: Accounts Payable/Finance Department
Address: 1555 N. River Center Dr., Suite 214	Copy To: Paul Lindquist	Company Name: City of Kenosha
Milwaukee, WI 53212		Address: 652 52nd St., Kenosha, WI 53140
Email To: Lanette.Altenbach@aecom.com	Purchase Order No.:	Pace Quote Reference:
Phone: 414-577-1363 Fax:	Project Name: KEP Group P Excavation	Pace Project Manager: Chris Hyska
Requested Due Date/TAT: Standard	Project Number: 60523016.1	Pace Profile #: (2430) Kenosha work

Page: of

REGULATORY AGENCY

☐ NPDES ☐ GROUND WATER ☐ DRINKING WATER
☐ UST ☐ RCRA ☐ OTHER

SITE LOCATION: ☐ GA ☐ IL ☐ IN ☐ MI ☐ NC ☐ OH ☐ ☑ WI ☐ OTHER

Section D Required Client Information

SAMPLE ID
One Character per box.
(A-Z, 0-9 / ,-)
Samples IDs MUST BE UNIQUE

Valid Matrix Codes

MATRIX	CODE
DRINKING WATER	DW
WATER	WT
WASTE WATER	WW
PRODUCT	P
SOIL/SOLID	SL
OIL	OL
WIPE	WP
AIR	AR
OTHER	OT
TISSUE	TS

ITEM #	SAMPLE ID		MATRIX CODE	SAMPLE TYPE G=GRAB C=COMP	COLLECTED COMPOSITE START DATE	COLLECTED COMPOSITE START TIME	COLLECTED COMPOSITE END/GRAB DATE	COLLECTED COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	#OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Requested Analysis: PCBs	Residual Chlorine (Y/N)	Pace Project Number / Lab I.D.
1	9P-B-1	001	SL	G	7-3-17	1205	–	–		1	X								X	1-4ozagA
2	9P-B-2	002				1210	–	–												
3	9P-B-3	003				1215	–	–												
4	9P-B-4	004				1220	–	–												
5	9P-B-5	005				1225	–	–												
6	9P-B-6	006				1230	–	–												
7	9P-B-7	007				1235	–	–												
8	9P-B-8	008				1240	–	–												
9	9P-B-9	009				1245	–	–												
10	9P-B-10	010				1250	–	–												
11	9P-B-11	011				1255	–	–												
12	9P-B-12	012				1300	–	–												

Additional Comments:

RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME
Zach Albert / AECOM	7/6/17	1200	Mary Jannin	7/6/17	1200
Mary Jannin	7/6/17	1545			
CS Logistics	7/6/17	2050	Katie Schramm Pace	7/6/17	0950

SAMPLE CONDITIONS

	Temp in °C	Received on Ice	Custody Sealed Cooler	Samples Intact
		Y/N	Y/N	Y/N
		Y/N	Y/N	Y/N
R01		(Y) N	(Y) N	(Y) N
		Y/N	Y/N	Y/N

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Zach Albert

SIGNATURE of SAMPLER: Zach Albert

DATE Signed (MM / DD / YY)

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CHAIN-OF-CUSTODY / Analytical Request Document

40152797

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

Section A **Required** Client Information:	Section B **Required** Project Information:	Section C Invoice Information:
Company: AECOM - Milw	Report To: Lanette Altenbach	Attention: Accounts Payable/Finance Department
Address: 1555 N. River Center Dr., Suite 214	Copy To: Paul Lindquist	Company Name: City of Kenosha
Milwaukee, WI 53212		Address: 652 52nd St., Kenosha, WI 53140
Email To: Lanette.Altenbach@aecom.com	Purchase Order No.:	Pace Quote Reference:
Phone: 414-577-1363 Fax:	Project Name: KEP Group P Excavation	Pace Project Manager: Chris Hyska
Requested Due Date/TAT: Standard	Project Number: 60523016.1	Pace Profile #: (2430) Kenosha work

Page: of

REGULATORY AGENCY

☐ NPDES ☐ GROUND WATER ☐ DRINKING WATER
☐ UST ☐ RCRA ☐ OTHER_____

SITE LOCATION: ☐ GA ☐ IL ☐ IN ☐ MI ☐ NC ☐ OH ☐ ☑ WI ☐ OTHER____

Section D **Required** Client Information

SAMPLE ID
One Character per box.
(A-Z, 0-9 / ,-)
Samples IDs MUST BE UNIQUE

Valid Matrix Codes

MATRIX	CODE
DRINKING WATER	DW
WATER	WT
WASTE WATER	WW
PRODUCT	P
SOIL/SOLID	SL
OIL	OL
WIPE	WP
AIR	AR
OTHER	OT
TISSUE	TS

ITEM #	SAMPLE ID	MATRIX CODE	SAMPLE TYPE G+GRAB C=COMP	COLLECTED COMPOSITE START DATE	COLLECTED COMPOSITE START TIME	COLLECTED COMPOSITE END/GRAB DATE	COLLECTED COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	#OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Requested Analysis: PCBs	Residual Chlorine (Y/N)	Pace Project Number / Lab I.D.
1	GP-B-13 013	SL	G	7-3-17	1305	—	—		1	X								X		1-40329A
2	Trip Blank 7/6/17 OH	WT	G	7-3-17	1200	—	—		1				X							
3																				
4																				
5																				
6																				
7																				
8																				
9																				
10																				
11																				
12																				

Additional Comments:

* Call before analyzing trip blank
262 914 4074

RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME
Zach Albert / AECOM	7/6/17	1200	Mary Jansen	7/5/17	12:00
Mary Jansen	7/6/17	1545			
CS Logistica	7/6/17	0950	Kathe Schramm Pace	7/6/17	0950

SAMPLE CONDITIONS

Temp in °C	Received on Ice	Custody Sealed Cooler	Samples Intact
	Y/N	Y/N	Y/N
	Y/N	Y/N	Y/N
ROI	Y/N	Y/N	Y/N

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Zach Albert

SIGNATURE of SAMPLER: Zachary Albert DATE Signed (MM / DD / YY)

Sample Condition Upon Receipt

Pace Analytical Services, LLC. - Green Bay WI
1241 Bellevue Street, Suite 9
Green Bay, WI 54302

Client Name: AECOM

Project # WO#: 40152797

40152797

Courier: ☐ Fed Ex ☐ UPS ☐ Client ☐ Pace ☑ Other: CS Logistics

Tracking #:

Custody Seal on Cooler/Box Present: ☑ yes ☐ no Seals intact: ☑ yes ☐ no

Custody Seal on Samples Present: ☐ yes ☑ no Seals intact: ☐ yes ☐ no

Packing Material: ☑ Bubble Wrap ☑ Bubble Bags ☐ None ☐ Other

Thermometer Used NA Type of Ice: (Wet) Blue Dry None ☑ Samples on ice, cooling process has begun

Cooler Temperature Uncorr: /Corr: 2.0 1 Biological Tissue is Frozen: ☐ yes ☐ no

Temp Blank Present: ☐ yes ☑ no

Person examining contents:
Date: 7/6/17
Initials: KF

Temp should be above freezing to 6°C.
Biota Samples may be received at ≤ 0°C.

		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 & Signature on COC:	☑Yes ☐No ☐N/A	4.
Samples Arrived within Hold Time:	☑Yes ☐No ☐N/A	5.
- VOA Samples frozen upon receipt	☐Yes ☐No	Date/Time:
Short Hold Time Analysis (<72hr):	☐Yes ☑No ☐N/A	6.
Rush Turn Around Time Requested:	☐Yes ☑No ☐N/A	7.
Sufficient Volume: KF 7/6/17	☐Yes ☑No ☐N/A	8. no volume received for trip blank KF 7/6/17
Correct Containers Used:	☑Yes ☐No ☐N/A	9.
-Pace Containers Used:	☑Yes ☐No ☐N/A	
-Pace IR Containers Used:	☐Yes ☐No ☑N/A	
Containers Intact:	☑Yes ☐No ☐N/A	10.
Filtered volume received for Dissolved tests	☐Yes ☐No ☑N/A	11.
Sample Labels match COC:	☑Yes ☐No ☐N/A	12.
-Includes date/time/ID/Analysis Matrix: S		
All containers needing preservation have been checked. (Non-Compliance noted in 13.)	☐Yes ☐No ☑N/A	13. ☐ HNO3 ☐ H2SO4 ☐ NaOH ☐ NaOH +ZnAct
All containers needing preservation are found to be in compliance with EPA recommendation. (HNO3, H2SO4 ≤2; NaOH+ZnAct ≥9, NaOH ≥12)	☐Yes ☐No ☑N/A	
exceptions: VOA, coliform, TOC, TOX, TOH, O&G, WIDROW, Phenolics, OTHER:	☐Yes ☑No	Initial when completed / Lab Std #ID of preservative / Date/ Time:
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:
Person Contacted: Frank Alber Date/Time: 7.6.17
If checked, see attached form for additional comments ☐
Comments/ Resolution: Trip Blank not required for TCLP's. Disregard TB sample. 7/6/17 cal

Project Manager Review: Date: 7-6-17

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

July 10, 2017

Lanette Altenbach
AECOM, Inc.
1555 N River Center Drive
Suite 214
Milwaukee, WI 53212

RE: Project: 60523016.1 KEP GROUP B EXC.
Pace Project No.: 40152697

Dear Lanette Altenbach:
Enclosed are the analytical results for sample(s) received by the laboratory on July 01, 2017. The results relate only to the samples included in this report. Results reported herein conform to the most current, applicable TNI/NELAC standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

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

Sincerely,

Christopher Hyska

Christopher Hyska
christopher.hyska@pacelabs.com
(920)469-2436
Project Manager

Enclosures

cc: Susan Petrofske, AECOM, Inc.

Pace Analytical Services, LLC
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CERTIFICATIONS

Project: 60523016.1 KEP GROUP B EXC.
Pace Project No.: 40152697

Green Bay Certification IDs

1241 Bellevue Street, Green Bay, WI 54302
Florida/NELAP Certification #: E87948
Illinois Certification #: 200050
Kentucky UST Certification #: 82
Louisiana Certification #: 04168
Minnesota Certification #: 055-999-334
New York Certification #: 12064
North Dakota Certification #: R-150
Virginia VELAP ID: 460263
South Carolina Certification #: 83006001
Texas Certification #: T104704529-14-1
Wisconsin Certification #: 405132750
Wisconsin DATCP Certification #: 105-444
USDA Soil Permit #: P330-16-00157
Federal Fish & Wildlife Permit #: LE51774A-0

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SAMPLE SUMMARY

Project: 60523016.1 KEP GROUP B EXC.
Pace Project No.: 40152697

Lab ID	Sample ID	Matrix	Date Collected	Date Received
40152697001	**TRIP BLANK**	Solid	06/27/17 07:30	07/01/17 08:00
40152697002	**7T-SW-28**	Solid	06/27/17 07:45	07/01/17 08:00
40152697003	**7T-SW-29**	Solid	06/27/17 07:50	07/01/17 08:00
40152697004	**7T-B-7**	Solid	06/27/17 08:35	07/01/17 08:00
40152697005	**7T-SW-30**	Solid	06/27/17 11:00	07/01/17 08:00
40152697006	**7T-SW-31**	Solid	06/27/17 12:00	07/01/17 08:00
40152697007	**23P-SW-5**	Solid	06/28/17 09:50	07/01/17 08:00
40152697008	**23P-B-5**	Solid	06/28/17 11:05	07/01/17 08:00
40152697009	**23P-SW-6**	Solid	06/28/17 11:40	07/01/17 08:00
40152697010	**23P-B-4**	Solid	06/28/17 12:25	07/01/17 08:00
40152697011	**23P-SW-7**	Solid	06/28/17 12:30	07/01/17 08:00
40152697012	**23P-SW-8**	Solid	06/28/17 15:45	07/01/17 08:00
40152697013	**23P-B-3**	Solid	06/29/17 07:55	07/01/17 08:00
40152697014	**23P-SW-4**	Solid	06/29/17 08:00	07/01/17 08:00
40152697015	**23P-B-1**	Solid	06/29/17 11:45	07/01/17 08:00
40152697016	**23P-B-2**	Solid	06/29/17 13:00	07/01/17 08:00
40152697017	**23P-SW-1**	Solid	06/29/17 13:30	07/01/17 08:00
40152697018	**23P-SW-3**	Solid	06/29/17 15:55	07/01/17 08:00
40152697019	**23P-SW-2**	Solid	06/30/17 08:00	07/01/17 08:00

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SAMPLE ANALYTE COUNT

Project: 60523016.1 KEP GROUP B EXC.
Pace Project No.: 40152697

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
40152697001	**TRIP BLANK**	EPA 8260	SMT	63	PASI-G
40152697002	**7T-SW-28**	EPA 8260	SMT	63	PASI-G
		ASTM D2974-87	KTS	1	PASI-G
40152697003	**7T-SW-29**	EPA 8260	SMT	63	PASI-G
		ASTM D2974-87	KTS	1	PASI-G
40152697004	**7T-B-7**	EPA 8260	SMT	63	PASI-G
		ASTM D2974-87	KTS	1	PASI-G
40152697005	**7T-SW-30**	EPA 8260	SMT	63	PASI-G
		ASTM D2974-87	KTS	1	PASI-G
40152697006	**7T-SW-31**	EPA 8260	SMT	63	PASI-G
		ASTM D2974-87	KTS	1	PASI-G
40152697007	**23P-SW-5**	EPA 8082	BDS	10	PASI-G
		ASTM D2974-87	KTS	1	PASI-G
40152697008	**23P-B-5**	EPA 8082	BDS	10	PASI-G
		ASTM D2974-87	KTS	1	PASI-G
40152697009	**23P-SW-6**	EPA 8082	BDS	10	PASI-G
		ASTM D2974-87	KTS	1	PASI-G
40152697010	**23P-B-4**	EPA 8082	BDS	10	PASI-G
		ASTM D2974-87	KTS	1	PASI-G
40152697011	**23P-SW-7**	EPA 8082	BDS	10	PASI-G
		ASTM D2974-87	KTS	1	PASI-G
40152697012	**23P-SW-8**	EPA 8082	BDS	10	PASI-G
		ASTM D2974-87	KTS	1	PASI-G
40152697013	**23P-B-3**	EPA 8082	BDS	10	PASI-G
		ASTM D2974-87	KTS	1	PASI-G
40152697014	**23P-SW-4**	EPA 8082	BDS	10	PASI-G
		ASTM D2974-87	KTS	1	PASI-G
40152697015	**23P-B-1**	EPA 8082	BDS	10	PASI-G
		ASTM D2974-87	KTS	1	PASI-G
40152697016	**23P-B-2**	EPA 8082	BDS	10	PASI-G
		ASTM D2974-87	KTS	1	PASI-G
40152697017	**23P-SW-1**	EPA 8082	BDS	10	PASI-G
		ASTM D2974-87	KTS	1	PASI-G
40152697018	**23P-SW-3**	EPA 8082	BDS	10	PASI-G
		ASTM D2974-87	KTS	1	PASI-G
40152697019	**23P-SW-2**	EPA 8082	BDS	10	PASI-G
		ASTM D2974-87	KTS	1	PASI-G

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
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SUMMARY OF DETECTION

Project: 60523016.1 KEP GROUP B EXC.
Pace Project No.: 40152697

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
40152697002	**7T-SW-28**					
EPA 8260	Trichloroethene	451	ug/kg	70.3	07/04/17 00:57	
ASTM D2974-87	Percent Moisture	14.7	%	0.10	07/08/17 16:46	
40152697003	**7T-SW-29**					
EPA 8260	Trichloroethene	2820	ug/kg	68.4	07/04/17 01:20	
ASTM D2974-87	Percent Moisture	12.3	%	0.10	07/08/17 16:46	
40152697004	**7T-B-7**					
EPA 8260	Trichloroethene	3480	ug/kg	70.7	07/04/17 01:43	
ASTM D2974-87	Percent Moisture	15.2	%	0.10	07/08/17 16:46	
40152697005	**7T-SW-30**					
EPA 8260	Trichloroethene	122	ug/kg	77.9	07/04/17 10:51	
ASTM D2974-87	Percent Moisture	23.0	%	0.10	07/08/17 16:46	
40152697006	**7T-SW-31**					
EPA 8260	Trichloroethene	414	ug/kg	71.4	07/04/17 02:29	
ASTM D2974-87	Percent Moisture	16.0	%	0.10	07/08/17 16:46	
40152697007	**23P-SW-5**					
ASTM D2974-87	Percent Moisture	16.1	%	0.10	07/08/17 16:46	
40152697008	**23P-B-5**					
ASTM D2974-87	Percent Moisture	20.3	%	0.10	07/08/17 16:46	
40152697009	**23P-SW-6**					
ASTM D2974-87	Percent Moisture	20.4	%	0.10	07/08/17 16:46	
40152697010	**23P-B-4**					
ASTM D2974-87	Percent Moisture	17.4	%	0.10	07/08/17 16:46	
40152697011	**23P-SW-7**					
ASTM D2974-87	Percent Moisture	20.7	%	0.10	07/08/17 16:46	
40152697012	**23P-SW-8**					
ASTM D2974-87	Percent Moisture	29.3	%	0.10	07/08/17 17:19	
40152697013	**23P-B-3**					
ASTM D2974-87	Percent Moisture	20.4	%	0.10	07/08/17 17:19	
40152697014	**23P-SW-4**					
ASTM D2974-87	Percent Moisture	6.3	%	0.10	07/08/17 17:19	
40152697015	**23P-B-1**					
ASTM D2974-87	Percent Moisture	18.7	%	0.10	07/08/17 17:19	
40152697016	**23P-B-2**					
ASTM D2974-87	Percent Moisture	19.2	%	0.10	07/08/17 17:19	
40152697017	**23P-SW-1**					
ASTM D2974-87	Percent Moisture	19.8	%	0.10	07/08/17 17:19	

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SUMMARY OF DETECTION

Project: 60523016.1 KEP GROUP B EXC.
Pace Project No.: 40152697

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
40152697018	**23P-SW-3**					
ASTM D2974-87	Percent Moisture	15.3	%	0.10	07/08/17 17:19	
40152697019	**23P-SW-2**					
ASTM D2974-87	Percent Moisture	8.4	%	0.10	07/08/17 17:19	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
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ANALYTICAL RESULTS

Project: 60523016.1 KEP GROUP B EXC.
Pace Project No.: 40152697

Sample: TRIP BLANK **Lab ID: 40152697001** Collected: 06/27/17 07:30 Received: 07/01/17 08:00 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Benzene	**<25.0**	ug/kg	60.0	25.0	1	07/03/17 10:00	07/03/17 21:52	71-43-2	W
Bromobenzene	**<25.0**	ug/kg	60.0	25.0	1	07/03/17 10:00	07/03/17 21:52	108-86-1	W
Bromochloromethane	**<25.0**	ug/kg	60.0	25.0	1	07/03/17 10:00	07/03/17 21:52	74-97-5	W
Bromodichloromethane	**<25.0**	ug/kg	60.0	25.0	1	07/03/17 10:00	07/03/17 21:52	75-27-4	W
Bromoform	**<25.0**	ug/kg	60.0	25.0	1	07/03/17 10:00	07/03/17 21:52	75-25-2	W
Bromomethane	**<69.9**	ug/kg	250	69.9	1	07/03/17 10:00	07/03/17 21:52	74-83-9	W
n-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	07/03/17 10:00	07/03/17 21:52	104-51-8	W
sec-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	07/03/17 10:00	07/03/17 21:52	135-98-8	W
tert-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	07/03/17 10:00	07/03/17 21:52	98-06-6	W
Carbon tetrachloride	**<25.0**	ug/kg	60.0	25.0	1	07/03/17 10:00	07/03/17 21:52	56-23-5	W
Chlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	07/03/17 10:00	07/03/17 21:52	108-90-7	W
Chloroethane	**<67.0**	ug/kg	250	67.0	1	07/03/17 10:00	07/03/17 21:52	75-00-3	W
Chloroform	**<46.4**	ug/kg	250	46.4	1	07/03/17 10:00	07/03/17 21:52	67-66-3	W
Chloromethane	**<25.0**	ug/kg	60.0	25.0	1	07/03/17 10:00	07/03/17 21:52	74-87-3	W
2-Chlorotoluene	**<25.0**	ug/kg	60.0	25.0	1	07/03/17 10:00	07/03/17 21:52	95-49-8	W
4-Chlorotoluene	**<25.0**	ug/kg	60.0	25.0	1	07/03/17 10:00	07/03/17 21:52	106-43-4	W
1,2-Dibromo-3-chloropropane	**<91.2**	ug/kg	250	91.2	1	07/03/17 10:00	07/03/17 21:52	96-12-8	W
Dibromochloromethane	**<25.0**	ug/kg	60.0	25.0	1	07/03/17 10:00	07/03/17 21:52	124-48-1	W
1,2-Dibromoethane (EDB)	**<25.0**	ug/kg	60.0	25.0	1	07/03/17 10:00	07/03/17 21:52	106-93-4	W
Dibromomethane	**<25.0**	ug/kg	60.0	25.0	1	07/03/17 10:00	07/03/17 21:52	74-95-3	W
1,2-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	07/03/17 10:00	07/03/17 21:52	95-50-1	W
1,3-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	07/03/17 10:00	07/03/17 21:52	541-73-1	W
1,4-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	07/03/17 10:00	07/03/17 21:52	106-46-7	W
Dichlorodifluoromethane	**<25.0**	ug/kg	60.0	25.0	1	07/03/17 10:00	07/03/17 21:52	75-71-8	W
1,1-Dichloroethane	**<25.0**	ug/kg	60.0	25.0	1	07/03/17 10:00	07/03/17 21:52	75-34-3	W
1,2-Dichloroethane	**<25.0**	ug/kg	60.0	25.0	1	07/03/17 10:00	07/03/17 21:52	107-06-2	W
1,1-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	07/03/17 10:00	07/03/17 21:52	75-35-4	W
cis-1,2-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	07/03/17 10:00	07/03/17 21:52	156-59-2	W
trans-1,2-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	07/03/17 10:00	07/03/17 21:52	156-60-5	W
1,2-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	07/03/17 10:00	07/03/17 21:52	78-87-5	W
1,3-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	07/03/17 10:00	07/03/17 21:52	142-28-9	W
2,2-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	07/03/17 10:00	07/03/17 21:52	594-20-7	W
1,1-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	07/03/17 10:00	07/03/17 21:52	563-58-6	W
cis-1,3-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	07/03/17 10:00	07/03/17 21:52	10061-01-5	W
trans-1,3-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	07/03/17 10:00	07/03/17 21:52	10061-02-6	W
Diisopropyl ether	**<25.0**	ug/kg	60.0	25.0	1	07/03/17 10:00	07/03/17 21:52	108-20-3	W
Ethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	07/03/17 10:00	07/03/17 21:52	100-41-4	W
Hexachloro-1,3-butadiene	**<25.0**	ug/kg	60.0	25.0	1	07/03/17 10:00	07/03/17 21:52	87-68-3	W
Isopropylbenzene (Cumene)	**<25.0**	ug/kg	60.0	25.0	1	07/03/17 10:00	07/03/17 21:52	98-82-8	W
p-Isopropyltoluene	**<25.0**	ug/kg	60.0	25.0	1	07/03/17 10:00	07/03/17 21:52	99-87-6	W
Methylene Chloride	**<25.0**	ug/kg	60.0	25.0	1	07/03/17 10:00	07/03/17 21:52	75-09-2	W
Methyl-tert-butyl ether	**<25.0**	ug/kg	60.0	25.0	1	07/03/17 10:00	07/03/17 21:52	1634-04-4	W
Naphthalene	**<40.0**	ug/kg	250	40.0	1	07/03/17 10:00	07/03/17 21:52	91-20-3	W
n-Propylbenzene	**<25.0**	ug/kg	60.0	25.0	1	07/03/17 10:00	07/03/17 21:52	103-65-1	W
Styrene	**<25.0**	ug/kg	60.0	25.0	1	07/03/17 10:00	07/03/17 21:52	100-42-5	W

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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ANALYTICAL RESULTS

Project: 60523016.1 KEP GROUP B EXC.
Pace Project No.: 40152697

Sample: TRIP BLANK **Lab ID: 40152697001** Collected: 06/27/17 07:30 Received: 07/01/17 08:00 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
1,1,1,2-Tetrachloroethane	**<25.0**	ug/kg	60.0	25.0	1	07/03/17 10:00	07/03/17 21:52	630-20-6	W
1,1,2,2-Tetrachloroethane	**<25.0**	ug/kg	60.0	25.0	1	07/03/17 10:00	07/03/17 21:52	79-34-5	W
Tetrachloroethene	**<25.0**	ug/kg	60.0	25.0	1	07/03/17 10:00	07/03/17 21:52	127-18-4	W
Toluene	**<25.0**	ug/kg	60.0	25.0	1	07/03/17 10:00	07/03/17 21:52	108-88-3	W
1,2,3-Trichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	07/03/17 10:00	07/03/17 21:52	87-61-6	W
1,2,4-Trichlorobenzene	**<47.6**	ug/kg	250	47.6	1	07/03/17 10:00	07/03/17 21:52	120-82-1	W
1,1,1-Trichloroethane	**<25.0**	ug/kg	60.0	25.0	1	07/03/17 10:00	07/03/17 21:52	71-55-6	W
1,1,2-Trichloroethane	**<25.0**	ug/kg	60.0	25.0	1	07/03/17 10:00	07/03/17 21:52	79-00-5	W
Trichloroethene	**<25.0**	ug/kg	60.0	25.0	1	07/03/17 10:00	07/03/17 21:52	79-01-6	W
Trichlorofluoromethane	**<25.0**	ug/kg	60.0	25.0	1	07/03/17 10:00	07/03/17 21:52	75-69-4	W
1,2,3-Trichloropropane	**<25.0**	ug/kg	60.0	25.0	1	07/03/17 10:00	07/03/17 21:52	96-18-4	W
1,2,4-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	07/03/17 10:00	07/03/17 21:52	95-63-6	W
1,3,5-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	07/03/17 10:00	07/03/17 21:52	108-67-8	W
Vinyl chloride	**<25.0**	ug/kg	60.0	25.0	1	07/03/17 10:00	07/03/17 21:52	75-01-4	W
Xylene (Total)	**<75.0**	ug/kg	180	75.0	1	07/03/17 10:00	07/03/17 21:52	1330-20-7	W
Surrogates									
Dibromofluoromethane (S)	94	%	68-130		1	07/03/17 10:00	07/03/17 21:52	1868-53-7	
Toluene-d8 (S)	87	%	68-149		1	07/03/17 10:00	07/03/17 21:52	2037-26-5	
4-Bromofluorobenzene (S)	84	%	58-141		1	07/03/17 10:00	07/03/17 21:52	460-00-4	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: 60523016.1 KEP GROUP B EXC.
Pace Project No.: 40152697

Sample: 7T-SW-28 **Lab ID: 40152697002** Collected: 06/27/17 07:45 Received: 07/01/17 08:00 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Benzene	**<25.0**	ug/kg	60.0	25.0	1	07/03/17 10:00	07/04/17 00:57	71-43-2	W
Bromobenzene	**<25.0**	ug/kg	60.0	25.0	1	07/03/17 10:00	07/04/17 00:57	108-86-1	W
Bromochloromethane	**<25.0**	ug/kg	60.0	25.0	1	07/03/17 10:00	07/04/17 00:57	74-97-5	W
Bromodichloromethane	**<25.0**	ug/kg	60.0	25.0	1	07/03/17 10:00	07/04/17 00:57	75-27-4	W
Bromoform	**<25.0**	ug/kg	60.0	25.0	1	07/03/17 10:00	07/04/17 00:57	75-25-2	W
Bromomethane	**<69.9**	ug/kg	250	69.9	1	07/03/17 10:00	07/04/17 00:57	74-83-9	W
n-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	07/03/17 10:00	07/04/17 00:57	104-51-8	W
sec-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	07/03/17 10:00	07/04/17 00:57	135-98-8	W
tert-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	07/03/17 10:00	07/04/17 00:57	98-06-6	W
Carbon tetrachloride	**<25.0**	ug/kg	60.0	25.0	1	07/03/17 10:00	07/04/17 00:57	56-23-5	W
Chlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	07/03/17 10:00	07/04/17 00:57	108-90-7	W
Chloroethane	**<67.0**	ug/kg	250	67.0	1	07/03/17 10:00	07/04/17 00:57	75-00-3	W
Chloroform	**<46.4**	ug/kg	250	46.4	1	07/03/17 10:00	07/04/17 00:57	67-66-3	W
Chloromethane	**<25.0**	ug/kg	60.0	25.0	1	07/03/17 10:00	07/04/17 00:57	74-87-3	W
2-Chlorotoluene	**<25.0**	ug/kg	60.0	25.0	1	07/03/17 10:00	07/04/17 00:57	95-49-8	W
4-Chlorotoluene	**<25.0**	ug/kg	60.0	25.0	1	07/03/17 10:00	07/04/17 00:57	106-43-4	W
1,2-Dibromo-3-chloropropane	**<91.2**	ug/kg	250	91.2	1	07/03/17 10:00	07/04/17 00:57	96-12-8	W
Dibromochloromethane	**<25.0**	ug/kg	60.0	25.0	1	07/03/17 10:00	07/04/17 00:57	124-48-1	W
1,2-Dibromoethane (EDB)	**<25.0**	ug/kg	60.0	25.0	1	07/03/17 10:00	07/04/17 00:57	106-93-4	W
Dibromomethane	**<25.0**	ug/kg	60.0	25.0	1	07/03/17 10:00	07/04/17 00:57	74-95-3	W
1,2-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	07/03/17 10:00	07/04/17 00:57	95-50-1	W
1,3-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	07/03/17 10:00	07/04/17 00:57	541-73-1	W
1,4-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	07/03/17 10:00	07/04/17 00:57	106-46-7	W
Dichlorodifluoromethane	**<25.0**	ug/kg	60.0	25.0	1	07/03/17 10:00	07/04/17 00:57	75-71-8	W
1,1-Dichloroethane	**<25.0**	ug/kg	60.0	25.0	1	07/03/17 10:00	07/04/17 00:57	75-34-3	W
1,2-Dichloroethane	**<25.0**	ug/kg	60.0	25.0	1	07/03/17 10:00	07/04/17 00:57	107-06-2	W
1,1-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	07/03/17 10:00	07/04/17 00:57	75-35-4	W
cis-1,2-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	07/03/17 10:00	07/04/17 00:57	156-59-2	W
trans-1,2-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	07/03/17 10:00	07/04/17 00:57	156-60-5	W
1,2-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	07/03/17 10:00	07/04/17 00:57	78-87-5	W
1,3-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	07/03/17 10:00	07/04/17 00:57	142-28-9	W
2,2-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	07/03/17 10:00	07/04/17 00:57	594-20-7	W
1,1-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	07/03/17 10:00	07/04/17 00:57	563-58-6	W
cis-1,3-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	07/03/17 10:00	07/04/17 00:57	10061-01-5	W
trans-1,3-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	07/03/17 10:00	07/04/17 00:57	10061-02-6	W
Diisopropyl ether	**<25.0**	ug/kg	60.0	25.0	1	07/03/17 10:00	07/04/17 00:57	108-20-3	W
Ethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	07/03/17 10:00	07/04/17 00:57	100-41-4	W
Hexachloro-1,3-butadiene	**<25.0**	ug/kg	60.0	25.0	1	07/03/17 10:00	07/04/17 00:57	87-68-3	W
Isopropylbenzene (Cumene)	**<25.0**	ug/kg	60.0	25.0	1	07/03/17 10:00	07/04/17 00:57	98-82-8	W
p-Isopropyltoluene	**<25.0**	ug/kg	60.0	25.0	1	07/03/17 10:00	07/04/17 00:57	99-87-6	W
Methylene Chloride	**<25.0**	ug/kg	60.0	25.0	1	07/03/17 10:00	07/04/17 00:57	75-09-2	W
Methyl-tert-butyl ether	**<25.0**	ug/kg	60.0	25.0	1	07/03/17 10:00	07/04/17 00:57	1634-04-4	W
Naphthalene	**<40.0**	ug/kg	250	40.0	1	07/03/17 10:00	07/04/17 00:57	91-20-3	W
n-Propylbenzene	**<25.0**	ug/kg	60.0	25.0	1	07/03/17 10:00	07/04/17 00:57	103-65-1	W
Styrene	**<25.0**	ug/kg	60.0	25.0	1	07/03/17 10:00	07/04/17 00:57	100-42-5	W

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: 60523016.1 KEP GROUP B EXC.
Pace Project No.: 40152697

Sample: 7T-SW-28 **Lab ID: 40152697002** Collected: 06/27/17 07:45 Received: 07/01/17 08:00 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
1,1,1,2-Tetrachloroethane	**<25.0**	ug/kg	60.0	25.0	1	07/03/17 10:00	07/04/17 00:57	630-20-6	W
1,1,2,2-Tetrachloroethane	**<25.0**	ug/kg	60.0	25.0	1	07/03/17 10:00	07/04/17 00:57	79-34-5	W
Tetrachloroethene	**<25.0**	ug/kg	60.0	25.0	1	07/03/17 10:00	07/04/17 00:57	127-18-4	W
Toluene	**<25.0**	ug/kg	60.0	25.0	1	07/03/17 10:00	07/04/17 00:57	108-88-3	W
1,2,3-Trichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	07/03/17 10:00	07/04/17 00:57	87-61-6	W
1,2,4-Trichlorobenzene	**<47.6**	ug/kg	250	47.6	1	07/03/17 10:00	07/04/17 00:57	120-82-1	W
1,1,1-Trichloroethane	**<25.0**	ug/kg	60.0	25.0	1	07/03/17 10:00	07/04/17 00:57	71-55-6	W
1,1,2-Trichloroethane	**<25.0**	ug/kg	60.0	25.0	1	07/03/17 10:00	07/04/17 00:57	79-00-5	W
Trichloroethene	**451**	ug/kg	70.3	29.3	1	07/03/17 10:00	07/04/17 00:57	79-01-6	
Trichlorofluoromethane	**<25.0**	ug/kg	60.0	25.0	1	07/03/17 10:00	07/04/17 00:57	75-69-4	W
1,2,3-Trichloropropane	**<25.0**	ug/kg	60.0	25.0	1	07/03/17 10:00	07/04/17 00:57	96-18-4	W
1,2,4-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	07/03/17 10:00	07/04/17 00:57	95-63-6	W
1,3,5-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	07/03/17 10:00	07/04/17 00:57	108-67-8	W
Vinyl chloride	**<25.0**	ug/kg	60.0	25.0	1	07/03/17 10:00	07/04/17 00:57	75-01-4	W
Xylene (Total)	**<75.0**	ug/kg	180	75.0	1	07/03/17 10:00	07/04/17 00:57	1330-20-7	W
Surrogates									
Dibromofluoromethane (S)	88	%	68-130		1	07/03/17 10:00	07/04/17 00:57	1868-53-7	
Toluene-d8 (S)	85	%	68-149		1	07/03/17 10:00	07/04/17 00:57	2037-26-5	
4-Bromofluorobenzene (S)	72	%	58-141		1	07/03/17 10:00	07/04/17 00:57	460-00-4	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**14.7**	%	0.10	0.10	1		07/08/17 16:46		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: 60523016.1 KEP GROUP B EXC.
Pace Project No.: 40152697

Sample: 7T-SW-29 **Lab ID: 40152697003** Collected: 06/27/17 07:50 Received: 07/01/17 08:00 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Benzene	**<25.0**	ug/kg	60.0	25.0	1	07/03/17 10:00	07/04/17 01:20	71-43-2	W
Bromobenzene	**<25.0**	ug/kg	60.0	25.0	1	07/03/17 10:00	07/04/17 01:20	108-86-1	W
Bromochloromethane	**<25.0**	ug/kg	60.0	25.0	1	07/03/17 10:00	07/04/17 01:20	74-97-5	W
Bromodichloromethane	**<25.0**	ug/kg	60.0	25.0	1	07/03/17 10:00	07/04/17 01:20	75-27-4	W
Bromoform	**<25.0**	ug/kg	60.0	25.0	1	07/03/17 10:00	07/04/17 01:20	75-25-2	W
Bromomethane	**<69.9**	ug/kg	250	69.9	1	07/03/17 10:00	07/04/17 01:20	74-83-9	W
n-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	07/03/17 10:00	07/04/17 01:20	104-51-8	W
sec-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	07/03/17 10:00	07/04/17 01:20	135-98-8	W
tert-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	07/03/17 10:00	07/04/17 01:20	98-06-6	W
Carbon tetrachloride	**<25.0**	ug/kg	60.0	25.0	1	07/03/17 10:00	07/04/17 01:20	56-23-5	W
Chlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	07/03/17 10:00	07/04/17 01:20	108-90-7	W
Chloroethane	**<67.0**	ug/kg	250	67.0	1	07/03/17 10:00	07/04/17 01:20	75-00-3	W
Chloroform	**<46.4**	ug/kg	250	46.4	1	07/03/17 10:00	07/04/17 01:20	67-66-3	W
Chloromethane	**<25.0**	ug/kg	60.0	25.0	1	07/03/17 10:00	07/04/17 01:20	74-87-3	W
2-Chlorotoluene	**<25.0**	ug/kg	60.0	25.0	1	07/03/17 10:00	07/04/17 01:20	95-49-8	W
4-Chlorotoluene	**<25.0**	ug/kg	60.0	25.0	1	07/03/17 10:00	07/04/17 01:20	106-43-4	W
1,2-Dibromo-3-chloropropane	**<91.2**	ug/kg	250	91.2	1	07/03/17 10:00	07/04/17 01:20	96-12-8	W
Dibromochloromethane	**<25.0**	ug/kg	60.0	25.0	1	07/03/17 10:00	07/04/17 01:20	124-48-1	W
1,2-Dibromoethane (EDB)	**<25.0**	ug/kg	60.0	25.0	1	07/03/17 10:00	07/04/17 01:20	106-93-4	W
Dibromomethane	**<25.0**	ug/kg	60.0	25.0	1	07/03/17 10:00	07/04/17 01:20	74-95-3	W
1,2-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	07/03/17 10:00	07/04/17 01:20	95-50-1	W
1,3-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	07/03/17 10:00	07/04/17 01:20	541-73-1	W
1,4-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	07/03/17 10:00	07/04/17 01:20	106-46-7	W
Dichlorodifluoromethane	**<25.0**	ug/kg	60.0	25.0	1	07/03/17 10:00	07/04/17 01:20	75-71-8	W
1,1-Dichloroethane	**<25.0**	ug/kg	60.0	25.0	1	07/03/17 10:00	07/04/17 01:20	75-34-3	W
1,2-Dichloroethane	**<25.0**	ug/kg	60.0	25.0	1	07/03/17 10:00	07/04/17 01:20	107-06-2	W
1,1-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	07/03/17 10:00	07/04/17 01:20	75-35-4	W
cis-1,2-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	07/03/17 10:00	07/04/17 01:20	156-59-2	W
trans-1,2-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	07/03/17 10:00	07/04/17 01:20	156-60-5	W
1,2-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	07/03/17 10:00	07/04/17 01:20	78-87-5	W
1,3-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	07/03/17 10:00	07/04/17 01:20	142-28-9	W
2,2-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	07/03/17 10:00	07/04/17 01:20	594-20-7	W
1,1-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	07/03/17 10:00	07/04/17 01:20	563-58-6	W
cis-1,3-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	07/03/17 10:00	07/04/17 01:20	10061-01-5	W
trans-1,3-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	07/03/17 10:00	07/04/17 01:20	10061-02-6	W
Diisopropyl ether	**<25.0**	ug/kg	60.0	25.0	1	07/03/17 10:00	07/04/17 01:20	108-20-3	W
Ethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	07/03/17 10:00	07/04/17 01:20	100-41-4	W
Hexachloro-1,3-butadiene	**<25.0**	ug/kg	60.0	25.0	1	07/03/17 10:00	07/04/17 01:20	87-68-3	W
Isopropylbenzene (Cumene)	**<25.0**	ug/kg	60.0	25.0	1	07/03/17 10:00	07/04/17 01:20	98-82-8	W
p-Isopropyltoluene	**<25.0**	ug/kg	60.0	25.0	1	07/03/17 10:00	07/04/17 01:20	99-87-6	W
Methylene Chloride	**<25.0**	ug/kg	60.0	25.0	1	07/03/17 10:00	07/04/17 01:20	75-09-2	W
Methyl-tert-butyl ether	**<25.0**	ug/kg	60.0	25.0	1	07/03/17 10:00	07/04/17 01:20	1634-04-4	W
Naphthalene	**<40.0**	ug/kg	250	40.0	1	07/03/17 10:00	07/04/17 01:20	91-20-3	W
n-Propylbenzene	**<25.0**	ug/kg	60.0	25.0	1	07/03/17 10:00	07/04/17 01:20	103-65-1	W
Styrene	**<25.0**	ug/kg	60.0	25.0	1	07/03/17 10:00	07/04/17 01:20	100-42-5	W

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
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(920)469-2436

ANALYTICAL RESULTS

Project: 60523016.1 KEP GROUP B EXC.
Pace Project No.: 40152697

Sample: 7T-SW-29 **Lab ID: 40152697003** Collected: 06/27/17 07:50 Received: 07/01/17 08:00 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
1,1,1,2-Tetrachloroethane	**<25.0**	ug/kg	60.0	25.0	1	07/03/17 10:00	07/04/17 01:20	630-20-6	W
1,1,2,2-Tetrachloroethane	**<25.0**	ug/kg	60.0	25.0	1	07/03/17 10:00	07/04/17 01:20	79-34-5	W
Tetrachloroethene	**<25.0**	ug/kg	60.0	25.0	1	07/03/17 10:00	07/04/17 01:20	127-18-4	W
Toluene	**<25.0**	ug/kg	60.0	25.0	1	07/03/17 10:00	07/04/17 01:20	108-88-3	W
1,2,3-Trichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	07/03/17 10:00	07/04/17 01:20	87-61-6	W
1,2,4-Trichlorobenzene	**<47.6**	ug/kg	250	47.6	1	07/03/17 10:00	07/04/17 01:20	120-82-1	W
1,1,1-Trichloroethane	**<25.0**	ug/kg	60.0	25.0	1	07/03/17 10:00	07/04/17 01:20	71-55-6	W
1,1,2-Trichloroethane	**<25.0**	ug/kg	60.0	25.0	1	07/03/17 10:00	07/04/17 01:20	79-00-5	W
Trichloroethene	**2820**	ug/kg	68.4	28.5	1	07/03/17 10:00	07/04/17 01:20	79-01-6	
Trichlorofluoromethane	**<25.0**	ug/kg	60.0	25.0	1	07/03/17 10:00	07/04/17 01:20	75-69-4	W
1,2,3-Trichloropropane	**<25.0**	ug/kg	60.0	25.0	1	07/03/17 10:00	07/04/17 01:20	96-18-4	W
1,2,4-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	07/03/17 10:00	07/04/17 01:20	95-63-6	W
1,3,5-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	07/03/17 10:00	07/04/17 01:20	108-67-8	W
Vinyl chloride	**<25.0**	ug/kg	60.0	25.0	1	07/03/17 10:00	07/04/17 01:20	75-01-4	W
Xylene (Total)	**<75.0**	ug/kg	180	75.0	1	07/03/17 10:00	07/04/17 01:20	1330-20-7	W
Surrogates									
Dibromofluoromethane (S)	113	%	68-130		1	07/03/17 10:00	07/04/17 01:20	1868-53-7	
Toluene-d8 (S)	111	%	68-149		1	07/03/17 10:00	07/04/17 01:20	2037-26-5	
4-Bromofluorobenzene (S)	96	%	58-141		1	07/03/17 10:00	07/04/17 01:20	460-00-4	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**12.3**	%	0.10	0.10	1		07/08/17 16:46		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: 60523016.1 KEP GROUP B EXC.
Pace Project No.: 40152697

Sample: 7T-B-7 **Lab ID: 40152697004** Collected: 06/27/17 08:35 Received: 07/01/17 08:00 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Benzene	**<25.0**	ug/kg	60.0	25.0	1	07/03/17 10:00	07/04/17 01:43	71-43-2	W
Bromobenzene	**<25.0**	ug/kg	60.0	25.0	1	07/03/17 10:00	07/04/17 01:43	108-86-1	W
Bromochloromethane	**<25.0**	ug/kg	60.0	25.0	1	07/03/17 10:00	07/04/17 01:43	74-97-5	W
Bromodichloromethane	**<25.0**	ug/kg	60.0	25.0	1	07/03/17 10:00	07/04/17 01:43	75-27-4	W
Bromoform	**<25.0**	ug/kg	60.0	25.0	1	07/03/17 10:00	07/04/17 01:43	75-25-2	W
Bromomethane	**<69.9**	ug/kg	250	69.9	1	07/03/17 10:00	07/04/17 01:43	74-83-9	W
n-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	07/03/17 10:00	07/04/17 01:43	104-51-8	W
sec-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	07/03/17 10:00	07/04/17 01:43	135-98-8	W
tert-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	07/03/17 10:00	07/04/17 01:43	98-06-6	W
Carbon tetrachloride	**<25.0**	ug/kg	60.0	25.0	1	07/03/17 10:00	07/04/17 01:43	56-23-5	W
Chlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	07/03/17 10:00	07/04/17 01:43	108-90-7	W
Chloroethane	**<67.0**	ug/kg	250	67.0	1	07/03/17 10:00	07/04/17 01:43	75-00-3	W
Chloroform	**<46.4**	ug/kg	250	46.4	1	07/03/17 10:00	07/04/17 01:43	67-66-3	W
Chloromethane	**<25.0**	ug/kg	60.0	25.0	1	07/03/17 10:00	07/04/17 01:43	74-87-3	W
2-Chlorotoluene	**<25.0**	ug/kg	60.0	25.0	1	07/03/17 10:00	07/04/17 01:43	95-49-8	W
4-Chlorotoluene	**<25.0**	ug/kg	60.0	25.0	1	07/03/17 10:00	07/04/17 01:43	106-43-4	W
1,2-Dibromo-3-chloropropane	**<91.2**	ug/kg	250	91.2	1	07/03/17 10:00	07/04/17 01:43	96-12-8	W
Dibromochloromethane	**<25.0**	ug/kg	60.0	25.0	1	07/03/17 10:00	07/04/17 01:43	124-48-1	W
1,2-Dibromoethane (EDB)	**<25.0**	ug/kg	60.0	25.0	1	07/03/17 10:00	07/04/17 01:43	106-93-4	W
Dibromomethane	**<25.0**	ug/kg	60.0	25.0	1	07/03/17 10:00	07/04/17 01:43	74-95-3	W
1,2-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	07/03/17 10:00	07/04/17 01:43	95-50-1	W
1,3-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	07/03/17 10:00	07/04/17 01:43	541-73-1	W
1,4-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	07/03/17 10:00	07/04/17 01:43	106-46-7	W
Dichlorodifluoromethane	**<25.0**	ug/kg	60.0	25.0	1	07/03/17 10:00	07/04/17 01:43	75-71-8	W
1,1-Dichloroethane	**<25.0**	ug/kg	60.0	25.0	1	07/03/17 10:00	07/04/17 01:43	75-34-3	W
1,2-Dichloroethane	**<25.0**	ug/kg	60.0	25.0	1	07/03/17 10:00	07/04/17 01:43	107-06-2	W
1,1-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	07/03/17 10:00	07/04/17 01:43	75-35-4	W
cis-1,2-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	07/03/17 10:00	07/04/17 01:43	156-59-2	W
trans-1,2-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	07/03/17 10:00	07/04/17 01:43	156-60-5	W
1,2-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	07/03/17 10:00	07/04/17 01:43	78-87-5	W
1,3-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	07/03/17 10:00	07/04/17 01:43	142-28-9	W
2,2-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	07/03/17 10:00	07/04/17 01:43	594-20-7	W
1,1-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	07/03/17 10:00	07/04/17 01:43	563-58-6	W
cis-1,3-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	07/03/17 10:00	07/04/17 01:43	10061-01-5	W
trans-1,3-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	07/03/17 10:00	07/04/17 01:43	10061-02-6	W
Diisopropyl ether	**<25.0**	ug/kg	60.0	25.0	1	07/03/17 10:00	07/04/17 01:43	108-20-3	W
Ethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	07/03/17 10:00	07/04/17 01:43	100-41-4	W
Hexachloro-1,3-butadiene	**<25.0**	ug/kg	60.0	25.0	1	07/03/17 10:00	07/04/17 01:43	87-68-3	W
Isopropylbenzene (Cumene)	**<25.0**	ug/kg	60.0	25.0	1	07/03/17 10:00	07/04/17 01:43	98-82-8	W
p-Isopropyltoluene	**<25.0**	ug/kg	60.0	25.0	1	07/03/17 10:00	07/04/17 01:43	99-87-6	W
Methylene Chloride	**<25.0**	ug/kg	60.0	25.0	1	07/03/17 10:00	07/04/17 01:43	75-09-2	W
Methyl-tert-butyl ether	**<25.0**	ug/kg	60.0	25.0	1	07/03/17 10:00	07/04/17 01:43	1634-04-4	W
Naphthalene	**<40.0**	ug/kg	250	40.0	1	07/03/17 10:00	07/04/17 01:43	91-20-3	W
n-Propylbenzene	**<25.0**	ug/kg	60.0	25.0	1	07/03/17 10:00	07/04/17 01:43	103-65-1	W
Styrene	**<25.0**	ug/kg	60.0	25.0	1	07/03/17 10:00	07/04/17 01:43	100-42-5	W

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ANALYTICAL RESULTS

Project: 60523016.1 KEP GROUP B EXC.
Pace Project No.: 40152697

Sample: 7T-B-7 **Lab ID: 40152697004** Collected: 06/27/17 08:35 Received: 07/01/17 08:00 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
1,1,1,2-Tetrachloroethane	**<25.0**	ug/kg	60.0	25.0	1	07/03/17 10:00	07/04/17 01:43	630-20-6	W
1,1,2,2-Tetrachloroethane	**<25.0**	ug/kg	60.0	25.0	1	07/03/17 10:00	07/04/17 01:43	79-34-5	W
Tetrachloroethene	**<25.0**	ug/kg	60.0	25.0	1	07/03/17 10:00	07/04/17 01:43	127-18-4	W
Toluene	**<25.0**	ug/kg	60.0	25.0	1	07/03/17 10:00	07/04/17 01:43	108-88-3	W
1,2,3-Trichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	07/03/17 10:00	07/04/17 01:43	87-61-6	W
1,2,4-Trichlorobenzene	**<47.6**	ug/kg	250	47.6	1	07/03/17 10:00	07/04/17 01:43	120-82-1	W
1,1,1-Trichloroethane	**<25.0**	ug/kg	60.0	25.0	1	07/03/17 10:00	07/04/17 01:43	71-55-6	W
1,1,2-Trichloroethane	**<25.0**	ug/kg	60.0	25.0	1	07/03/17 10:00	07/04/17 01:43	79-00-5	W
Trichloroethene	**3480**	ug/kg	70.7	29.5	1	07/03/17 10:00	07/04/17 01:43	79-01-6	
Trichlorofluoromethane	**<25.0**	ug/kg	60.0	25.0	1	07/03/17 10:00	07/04/17 01:43	75-69-4	W
1,2,3-Trichloropropane	**<25.0**	ug/kg	60.0	25.0	1	07/03/17 10:00	07/04/17 01:43	96-18-4	W
1,2,4-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	07/03/17 10:00	07/04/17 01:43	95-63-6	W
1,3,5-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	07/03/17 10:00	07/04/17 01:43	108-67-8	W
Vinyl chloride	**<25.0**	ug/kg	60.0	25.0	1	07/03/17 10:00	07/04/17 01:43	75-01-4	W
Xylene (Total)	**<75.0**	ug/kg	180	75.0	1	07/03/17 10:00	07/04/17 01:43	1330-20-7	W
Surrogates									
Dibromofluoromethane (S)	92	%	68-130		1	07/03/17 10:00	07/04/17 01:43	1868-53-7	
Toluene-d8 (S)	86	%	68-149		1	07/03/17 10:00	07/04/17 01:43	2037-26-5	
4-Bromofluorobenzene (S)	73	%	58-141		1	07/03/17 10:00	07/04/17 01:43	460-00-4	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**15.2**	%	0.10	0.10	1		07/08/17 16:46		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 60523016.1 KEP GROUP B EXC.
Pace Project No.: 40152697

Sample: 7T-SW-30 **Lab ID: 40152697005** Collected: 06/27/17 11:00 Received: 07/01/17 08:00 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Benzene	**<25.0**	ug/kg	60.0	25.0	1	07/03/17 10:00	07/04/17 10:51	71-43-2	W
Bromobenzene	**<25.0**	ug/kg	60.0	25.0	1	07/03/17 10:00	07/04/17 10:51	108-86-1	W
Bromochloromethane	**<25.0**	ug/kg	60.0	25.0	1	07/03/17 10:00	07/04/17 10:51	74-97-5	W
Bromodichloromethane	**<25.0**	ug/kg	60.0	25.0	1	07/03/17 10:00	07/04/17 10:51	75-27-4	W
Bromoform	**<25.0**	ug/kg	60.0	25.0	1	07/03/17 10:00	07/04/17 10:51	75-25-2	W
Bromomethane	**<69.9**	ug/kg	250	69.9	1	07/03/17 10:00	07/04/17 10:51	74-83-9	W
n-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	07/03/17 10:00	07/04/17 10:51	104-51-8	W
sec-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	07/03/17 10:00	07/04/17 10:51	135-98-8	W
tert-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	07/03/17 10:00	07/04/17 10:51	98-06-6	W
Carbon tetrachloride	**<25.0**	ug/kg	60.0	25.0	1	07/03/17 10:00	07/04/17 10:51	56-23-5	W
Chlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	07/03/17 10:00	07/04/17 10:51	108-90-7	W
Chloroethane	**<67.0**	ug/kg	250	67.0	1	07/03/17 10:00	07/04/17 10:51	75-00-3	W
Chloroform	**<46.4**	ug/kg	250	46.4	1	07/03/17 10:00	07/04/17 10:51	67-66-3	W
Chloromethane	**<25.0**	ug/kg	60.0	25.0	1	07/03/17 10:00	07/04/17 10:51	74-87-3	W
2-Chlorotoluene	**<25.0**	ug/kg	60.0	25.0	1	07/03/17 10:00	07/04/17 10:51	95-49-8	W
4-Chlorotoluene	**<25.0**	ug/kg	60.0	25.0	1	07/03/17 10:00	07/04/17 10:51	106-43-4	W
1,2-Dibromo-3-chloropropane	**<91.2**	ug/kg	250	91.2	1	07/03/17 10:00	07/04/17 10:51	96-12-8	W
Dibromochloromethane	**<25.0**	ug/kg	60.0	25.0	1	07/03/17 10:00	07/04/17 10:51	124-48-1	W
1,2-Dibromoethane (EDB)	**<25.0**	ug/kg	60.0	25.0	1	07/03/17 10:00	07/04/17 10:51	106-93-4	W
Dibromomethane	**<25.0**	ug/kg	60.0	25.0	1	07/03/17 10:00	07/04/17 10:51	74-95-3	W
1,2-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	07/03/17 10:00	07/04/17 10:51	95-50-1	W
1,3-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	07/03/17 10:00	07/04/17 10:51	541-73-1	W
1,4-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	07/03/17 10:00	07/04/17 10:51	106-46-7	W
Dichlorodifluoromethane	**<25.0**	ug/kg	60.0	25.0	1	07/03/17 10:00	07/04/17 10:51	75-71-8	W
1,1-Dichloroethane	**<25.0**	ug/kg	60.0	25.0	1	07/03/17 10:00	07/04/17 10:51	75-34-3	W
1,2-Dichloroethane	**<25.0**	ug/kg	60.0	25.0	1	07/03/17 10:00	07/04/17 10:51	107-06-2	W
1,1-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	07/03/17 10:00	07/04/17 10:51	75-35-4	W
cis-1,2-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	07/03/17 10:00	07/04/17 10:51	156-59-2	W
trans-1,2-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	07/03/17 10:00	07/04/17 10:51	156-60-5	W
1,2-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	07/03/17 10:00	07/04/17 10:51	78-87-5	W
1,3-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	07/03/17 10:00	07/04/17 10:51	142-28-9	W
2,2-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	07/03/17 10:00	07/04/17 10:51	594-20-7	W
1,1-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	07/03/17 10:00	07/04/17 10:51	563-58-6	W
cis-1,3-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	07/03/17 10:00	07/04/17 10:51	10061-01-5	W
trans-1,3-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	07/03/17 10:00	07/04/17 10:51	10061-02-6	W
Diisopropyl ether	**<25.0**	ug/kg	60.0	25.0	1	07/03/17 10:00	07/04/17 10:51	108-20-3	W
Ethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	07/03/17 10:00	07/04/17 10:51	100-41-4	W
Hexachloro-1,3-butadiene	**<25.0**	ug/kg	60.0	25.0	1	07/03/17 10:00	07/04/17 10:51	87-68-3	W
Isopropylbenzene (Cumene)	**<25.0**	ug/kg	60.0	25.0	1	07/03/17 10:00	07/04/17 10:51	98-82-8	W
p-Isopropyltoluene	**<25.0**	ug/kg	60.0	25.0	1	07/03/17 10:00	07/04/17 10:51	99-87-6	W
Methylene Chloride	**<25.0**	ug/kg	60.0	25.0	1	07/03/17 10:00	07/04/17 10:51	75-09-2	W
Methyl-tert-butyl ether	**<25.0**	ug/kg	60.0	25.0	1	07/03/17 10:00	07/04/17 10:51	1634-04-4	W
Naphthalene	**<40.0**	ug/kg	250	40.0	1	07/03/17 10:00	07/04/17 10:51	91-20-3	W
n-Propylbenzene	**<25.0**	ug/kg	60.0	25.0	1	07/03/17 10:00	07/04/17 10:51	103-65-1	W
Styrene	**<25.0**	ug/kg	60.0	25.0	1	07/03/17 10:00	07/04/17 10:51	100-42-5	W

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 60523016.1 KEP GROUP B EXC.
Pace Project No.: 40152697

Sample: 7T-SW-30 **Lab ID: 40152697005** Collected: 06/27/17 11:00 Received: 07/01/17 08:00 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
1,1,1,2-Tetrachloroethane	**<25.0**	ug/kg	60.0	25.0	1	07/03/17 10:00	07/04/17 10:51	630-20-6	W
1,1,2,2-Tetrachloroethane	**<25.0**	ug/kg	60.0	25.0	1	07/03/17 10:00	07/04/17 10:51	79-34-5	W
Tetrachloroethene	**<25.0**	ug/kg	60.0	25.0	1	07/03/17 10:00	07/04/17 10:51	127-18-4	W
Toluene	**<25.0**	ug/kg	60.0	25.0	1	07/03/17 10:00	07/04/17 10:51	108-88-3	W
1,2,3-Trichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	07/03/17 10:00	07/04/17 10:51	87-61-6	W
1,2,4-Trichlorobenzene	**<47.6**	ug/kg	250	47.6	1	07/03/17 10:00	07/04/17 10:51	120-82-1	W
1,1,1-Trichloroethane	**<25.0**	ug/kg	60.0	25.0	1	07/03/17 10:00	07/04/17 10:51	71-55-6	W
1,1,2-Trichloroethane	**<25.0**	ug/kg	60.0	25.0	1	07/03/17 10:00	07/04/17 10:51	79-00-5	W
Trichloroethene	**122**	ug/kg	77.9	32.5	1	07/03/17 10:00	07/04/17 10:51	79-01-6	
Trichlorofluoromethane	**<25.0**	ug/kg	60.0	25.0	1	07/03/17 10:00	07/04/17 10:51	75-69-4	W
1,2,3-Trichloropropane	**<25.0**	ug/kg	60.0	25.0	1	07/03/17 10:00	07/04/17 10:51	96-18-4	W
1,2,4-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	07/03/17 10:00	07/04/17 10:51	95-63-6	W
1,3,5-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	07/03/17 10:00	07/04/17 10:51	108-67-8	W
Vinyl chloride	**<25.0**	ug/kg	60.0	25.0	1	07/03/17 10:00	07/04/17 10:51	75-01-4	W
Xylene (Total)	**<75.0**	ug/kg	180	75.0	1	07/03/17 10:00	07/04/17 10:51	1330-20-7	W
Surrogates									
Dibromofluoromethane (S)	90	%	68-130		1	07/03/17 10:00	07/04/17 10:51	1868-53-7	
Toluene-d8 (S)	97	%	68-149		1	07/03/17 10:00	07/04/17 10:51	2037-26-5	
4-Bromofluorobenzene (S)	86	%	58-141		1	07/03/17 10:00	07/04/17 10:51	460-00-4	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**23.0**	%	0.10	0.10	1		07/08/17 16:46		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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ANALYTICAL RESULTS

Project: 60523016.1 KEP GROUP B EXC.
Pace Project No.: 40152697

Sample: 7T-SW-31 **Lab ID: 40152697006** Collected: 06/27/17 12:00 Received: 07/01/17 08:00 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Benzene	**<25.0**	ug/kg	60.0	25.0	1	07/03/17 10:00	07/04/17 02:29	71-43-2	W
Bromobenzene	**<25.0**	ug/kg	60.0	25.0	1	07/03/17 10:00	07/04/17 02:29	108-86-1	W
Bromochloromethane	**<25.0**	ug/kg	60.0	25.0	1	07/03/17 10:00	07/04/17 02:29	74-97-5	W
Bromodichloromethane	**<25.0**	ug/kg	60.0	25.0	1	07/03/17 10:00	07/04/17 02:29	75-27-4	W
Bromoform	**<25.0**	ug/kg	60.0	25.0	1	07/03/17 10:00	07/04/17 02:29	75-25-2	W
Bromomethane	**<69.9**	ug/kg	250	69.9	1	07/03/17 10:00	07/04/17 02:29	74-83-9	W
n-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	07/03/17 10:00	07/04/17 02:29	104-51-8	W
sec-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	07/03/17 10:00	07/04/17 02:29	135-98-8	W
tert-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	07/03/17 10:00	07/04/17 02:29	98-06-6	W
Carbon tetrachloride	**<25.0**	ug/kg	60.0	25.0	1	07/03/17 10:00	07/04/17 02:29	56-23-5	W
Chlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	07/03/17 10:00	07/04/17 02:29	108-90-7	W
Chloroethane	**<67.0**	ug/kg	250	67.0	1	07/03/17 10:00	07/04/17 02:29	75-00-3	W
Chloroform	**<46.4**	ug/kg	250	46.4	1	07/03/17 10:00	07/04/17 02:29	67-66-3	W
Chloromethane	**<25.0**	ug/kg	60.0	25.0	1	07/03/17 10:00	07/04/17 02:29	74-87-3	W
2-Chlorotoluene	**<25.0**	ug/kg	60.0	25.0	1	07/03/17 10:00	07/04/17 02:29	95-49-8	W
4-Chlorotoluene	**<25.0**	ug/kg	60.0	25.0	1	07/03/17 10:00	07/04/17 02:29	106-43-4	W
1,2-Dibromo-3-chloropropane	**<91.2**	ug/kg	250	91.2	1	07/03/17 10:00	07/04/17 02:29	96-12-8	W
Dibromochloromethane	**<25.0**	ug/kg	60.0	25.0	1	07/03/17 10:00	07/04/17 02:29	124-48-1	W
1,2-Dibromoethane (EDB)	**<25.0**	ug/kg	60.0	25.0	1	07/03/17 10:00	07/04/17 02:29	106-93-4	W
Dibromomethane	**<25.0**	ug/kg	60.0	25.0	1	07/03/17 10:00	07/04/17 02:29	74-95-3	W
1,2-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	07/03/17 10:00	07/04/17 02:29	95-50-1	W
1,3-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	07/03/17 10:00	07/04/17 02:29	541-73-1	W
1,4-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	07/03/17 10:00	07/04/17 02:29	106-46-7	W
Dichlorodifluoromethane	**<25.0**	ug/kg	60.0	25.0	1	07/03/17 10:00	07/04/17 02:29	75-71-8	W
1,1-Dichloroethane	**<25.0**	ug/kg	60.0	25.0	1	07/03/17 10:00	07/04/17 02:29	75-34-3	W
1,2-Dichloroethane	**<25.0**	ug/kg	60.0	25.0	1	07/03/17 10:00	07/04/17 02:29	107-06-2	W
1,1-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	07/03/17 10:00	07/04/17 02:29	75-35-4	W
cis-1,2-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	07/03/17 10:00	07/04/17 02:29	156-59-2	W
trans-1,2-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	07/03/17 10:00	07/04/17 02:29	156-60-5	W
1,2-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	07/03/17 10:00	07/04/17 02:29	78-87-5	W
1,3-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	07/03/17 10:00	07/04/17 02:29	142-28-9	W
2,2-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	07/03/17 10:00	07/04/17 02:29	594-20-7	W
1,1-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	07/03/17 10:00	07/04/17 02:29	563-58-6	W
cis-1,3-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	07/03/17 10:00	07/04/17 02:29	10061-01-5	W
trans-1,3-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	07/03/17 10:00	07/04/17 02:29	10061-02-6	W
Diisopropyl ether	**<25.0**	ug/kg	60.0	25.0	1	07/03/17 10:00	07/04/17 02:29	108-20-3	W
Ethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	07/03/17 10:00	07/04/17 02:29	100-41-4	W
Hexachloro-1,3-butadiene	**<25.0**	ug/kg	60.0	25.0	1	07/03/17 10:00	07/04/17 02:29	87-68-3	W
Isopropylbenzene (Cumene)	**<25.0**	ug/kg	60.0	25.0	1	07/03/17 10:00	07/04/17 02:29	98-82-8	W
p-Isopropyltoluene	**<25.0**	ug/kg	60.0	25.0	1	07/03/17 10:00	07/04/17 02:29	99-87-6	W
Methylene Chloride	**<25.0**	ug/kg	60.0	25.0	1	07/03/17 10:00	07/04/17 02:29	75-09-2	W
Methyl-tert-butyl ether	**<25.0**	ug/kg	60.0	25.0	1	07/03/17 10:00	07/04/17 02:29	1634-04-4	W
Naphthalene	**<40.0**	ug/kg	250	40.0	1	07/03/17 10:00	07/04/17 02:29	91-20-3	W
n-Propylbenzene	**<25.0**	ug/kg	60.0	25.0	1	07/03/17 10:00	07/04/17 02:29	103-65-1	W
Styrene	**<25.0**	ug/kg	60.0	25.0	1	07/03/17 10:00	07/04/17 02:29	100-42-5	W

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
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ANALYTICAL RESULTS

Project: 60523016.1 KEP GROUP B EXC.
Pace Project No.: 40152697

Sample: 7T-SW-31 **Lab ID: 40152697006** Collected: 06/27/17 12:00 Received: 07/01/17 08:00 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
1,1,1,2-Tetrachloroethane	**<25.0**	ug/kg	60.0	25.0	1	07/03/17 10:00	07/04/17 02:29	630-20-6	W
1,1,2,2-Tetrachloroethane	**<25.0**	ug/kg	60.0	25.0	1	07/03/17 10:00	07/04/17 02:29	79-34-5	W
Tetrachloroethene	**<25.0**	ug/kg	60.0	25.0	1	07/03/17 10:00	07/04/17 02:29	127-18-4	W
Toluene	**<25.0**	ug/kg	60.0	25.0	1	07/03/17 10:00	07/04/17 02:29	108-88-3	W
1,2,3-Trichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	07/03/17 10:00	07/04/17 02:29	87-61-6	W
1,2,4-Trichlorobenzene	**<47.6**	ug/kg	250	47.6	1	07/03/17 10:00	07/04/17 02:29	120-82-1	W
1,1,1-Trichloroethane	**<25.0**	ug/kg	60.0	25.0	1	07/03/17 10:00	07/04/17 02:29	71-55-6	W
1,1,2-Trichloroethane	**<25.0**	ug/kg	60.0	25.0	1	07/03/17 10:00	07/04/17 02:29	79-00-5	W
Trichloroethene	**414**	ug/kg	71.4	29.8	1	07/03/17 10:00	07/04/17 02:29	79-01-6	
Trichlorofluoromethane	**<25.0**	ug/kg	60.0	25.0	1	07/03/17 10:00	07/04/17 02:29	75-69-4	W
1,2,3-Trichloropropane	**<25.0**	ug/kg	60.0	25.0	1	07/03/17 10:00	07/04/17 02:29	96-18-4	W
1,2,4-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	07/03/17 10:00	07/04/17 02:29	95-63-6	W
1,3,5-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	07/03/17 10:00	07/04/17 02:29	108-67-8	W
Vinyl chloride	**<25.0**	ug/kg	60.0	25.0	1	07/03/17 10:00	07/04/17 02:29	75-01-4	W
Xylene (Total)	**<75.0**	ug/kg	180	75.0	1	07/03/17 10:00	07/04/17 02:29	1330-20-7	W
Surrogates									
Dibromofluoromethane (S)	102	%	68-130		1	07/03/17 10:00	07/04/17 02:29	1868-53-7	
Toluene-d8 (S)	105	%	68-149		1	07/03/17 10:00	07/04/17 02:29	2037-26-5	
4-Bromofluorobenzene (S)	87	%	58-141		1	07/03/17 10:00	07/04/17 02:29	460-00-4	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**16.0**	%	0.10	0.10	1		07/08/17 16:46		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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ANALYTICAL RESULTS

Project: 60523016.1 KEP GROUP B EXC.
Pace Project No.: 40152697

Sample: 23P-SW-5 **Lab ID: 40152697007** Collected: 06/28/17 09:50 Received: 07/01/17 08:00 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8082 GCS PCB	Analytical Method: EPA 8082 Preparation Method: EPA 3541								
PCB-1016 (Aroclor 1016)	**<29.8**	ug/kg	59.6	29.8	1	07/05/17 11:19	07/05/17 23:14	12674-11-2	
PCB-1221 (Aroclor 1221)	**<29.8**	ug/kg	59.6	29.8	1	07/05/17 11:19	07/05/17 23:14	11104-28-2	
PCB-1232 (Aroclor 1232)	**<29.8**	ug/kg	59.6	29.8	1	07/05/17 11:19	07/05/17 23:14	11141-16-5	
PCB-1242 (Aroclor 1242)	**<29.8**	ug/kg	59.6	29.8	1	07/05/17 11:19	07/05/17 23:14	53469-21-9	
PCB-1248 (Aroclor 1248)	**<29.8**	ug/kg	59.6	29.8	1	07/05/17 11:19	07/05/17 23:14	12672-29-6	
PCB-1254 (Aroclor 1254)	**<29.8**	ug/kg	59.6	29.8	1	07/05/17 11:19	07/05/17 23:14	11097-69-1	
PCB-1260 (Aroclor 1260)	**<29.8**	ug/kg	59.6	29.8	1	07/05/17 11:19	07/05/17 23:14	11096-82-5	
PCB, Total	**<29.8**	ug/kg	59.6	29.8	1	07/05/17 11:19	07/05/17 23:14	1336-36-3	
Surrogates									
Tetrachloro-m-xylene (S)	67	%	50-102		1	07/05/17 11:19	07/05/17 23:14	877-09-8	
Decachlorobiphenyl (S)	73	%	53-105		1	07/05/17 11:19	07/05/17 23:14	2051-24-3	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**16.1**	%	0.10	0.10	1		07/08/17 16:46		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 60523016.1 KEP GROUP B EXC.
Pace Project No.: 40152697

Sample: 23P-B-5 **Lab ID: 40152697008** Collected: 06/28/17 11:05 Received: 07/01/17 08:00 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8082 GCS PCB	Analytical Method: EPA 8082 Preparation Method: EPA 3541								
PCB-1016 (Aroclor 1016)	**<31.4**	ug/kg	62.7	31.4	1	07/05/17 11:19	07/05/17 23:35	12674-11-2	
PCB-1221 (Aroclor 1221)	**<31.4**	ug/kg	62.7	31.4	1	07/05/17 11:19	07/05/17 23:35	11104-28-2	
PCB-1232 (Aroclor 1232)	**<31.4**	ug/kg	62.7	31.4	1	07/05/17 11:19	07/05/17 23:35	11141-16-5	
PCB-1242 (Aroclor 1242)	**<31.4**	ug/kg	62.7	31.4	1	07/05/17 11:19	07/05/17 23:35	53469-21-9	
PCB-1248 (Aroclor 1248)	**<31.4**	ug/kg	62.7	31.4	1	07/05/17 11:19	07/05/17 23:35	12672-29-6	
PCB-1254 (Aroclor 1254)	**<31.4**	ug/kg	62.7	31.4	1	07/05/17 11:19	07/05/17 23:35	11097-69-1	
PCB-1260 (Aroclor 1260)	**<31.4**	ug/kg	62.7	31.4	1	07/05/17 11:19	07/05/17 23:35	11096-82-5	
PCB, Total	**<31.4**	ug/kg	62.7	31.4	1	07/05/17 11:19	07/05/17 23:35	1336-36-3	
Surrogates									
Tetrachloro-m-xylene (S)	65	%	50-102		1	07/05/17 11:19	07/05/17 23:35	877-09-8	
Decachlorobiphenyl (S)	71	%	53-105		1	07/05/17 11:19	07/05/17 23:35	2051-24-3	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**20.3**	%	0.10	0.10	1		07/08/17 16:46		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 60523016.1 KEP GROUP B EXC.
Pace Project No.: 40152697

Sample: 23P-SW-6 **Lab ID: 40152697009** Collected: 06/28/17 11:40 Received: 07/01/17 08:00 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8082 GCS PCB	Analytical Method: EPA 8082 Preparation Method: EPA 3541								
PCB-1016 (Aroclor 1016)	**<31.4**	ug/kg	62.8	31.4	1	07/05/17 11:19	07/05/17 23:55	12674-11-2	
PCB-1221 (Aroclor 1221)	**<31.4**	ug/kg	62.8	31.4	1	07/05/17 11:19	07/05/17 23:55	11104-28-2	
PCB-1232 (Aroclor 1232)	**<31.4**	ug/kg	62.8	31.4	1	07/05/17 11:19	07/05/17 23:55	11141-16-5	
PCB-1242 (Aroclor 1242)	**<31.4**	ug/kg	62.8	31.4	1	07/05/17 11:19	07/05/17 23:55	53469-21-9	
PCB-1248 (Aroclor 1248)	**<31.4**	ug/kg	62.8	31.4	1	07/05/17 11:19	07/05/17 23:55	12672-29-6	
PCB-1254 (Aroclor 1254)	**<31.4**	ug/kg	62.8	31.4	1	07/05/17 11:19	07/05/17 23:55	11097-69-1	
PCB-1260 (Aroclor 1260)	**<31.4**	ug/kg	62.8	31.4	1	07/05/17 11:19	07/05/17 23:55	11096-82-5	
PCB, Total	**<31.4**	ug/kg	62.8	31.4	1	07/05/17 11:19	07/05/17 23:55	1336-36-3	
Surrogates									
Tetrachloro-m-xylene (S)	71	%	50-102		1	07/05/17 11:19	07/05/17 23:55	877-09-8	
Decachlorobiphenyl (S)	77	%	53-105		1	07/05/17 11:19	07/05/17 23:55	2051-24-3	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**20.4**	%	0.10	0.10	1		07/08/17 16:46		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 60523016.1 KEP GROUP B EXC.
Pace Project No.: 40152697

Sample: 23P-B-4 **Lab ID: 40152697010** Collected: 06/28/17 12:25 Received: 07/01/17 08:00 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8082 GCS PCB	Analytical Method: EPA 8082 Preparation Method: EPA 3541								
PCB-1016 (Aroclor 1016)	**<30.3**	ug/kg	60.6	30.3	1	07/05/17 11:19	07/06/17 00:15	12674-11-2	
PCB-1221 (Aroclor 1221)	**<30.3**	ug/kg	60.6	30.3	1	07/05/17 11:19	07/06/17 00:15	11104-28-2	
PCB-1232 (Aroclor 1232)	**<30.3**	ug/kg	60.6	30.3	1	07/05/17 11:19	07/06/17 00:15	11141-16-5	
PCB-1242 (Aroclor 1242)	**<30.3**	ug/kg	60.6	30.3	1	07/05/17 11:19	07/06/17 00:15	53469-21-9	
PCB-1248 (Aroclor 1248)	**<30.3**	ug/kg	60.6	30.3	1	07/05/17 11:19	07/06/17 00:15	12672-29-6	
PCB-1254 (Aroclor 1254)	**<30.3**	ug/kg	60.6	30.3	1	07/05/17 11:19	07/06/17 00:15	11097-69-1	
PCB-1260 (Aroclor 1260)	**<30.3**	ug/kg	60.6	30.3	1	07/05/17 11:19	07/06/17 00:15	11096-82-5	
PCB, Total	**<30.3**	ug/kg	60.6	30.3	1	07/05/17 11:19	07/06/17 00:15	1336-36-3	
Surrogates									
Tetrachloro-m-xylene (S)	71	%	50-102		1	07/05/17 11:19	07/06/17 00:15	877-09-8	
Decachlorobiphenyl (S)	76	%	53-105		1	07/05/17 11:19	07/06/17 00:15	2051-24-3	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**17.4**	%	0.10	0.10	1		07/08/17 16:46		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 60523016.1 KEP GROUP B EXC.
Pace Project No.: 40152697

Sample: 23P-SW-7 **Lab ID: 40152697011** Collected: 06/28/17 12:30 Received: 07/01/17 08:00 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8082 GCS PCB	Analytical Method: EPA 8082 Preparation Method: EPA 3541								
PCB-1016 (Aroclor 1016)	**<31.5**	ug/kg	63.1	31.5	1	07/05/17 11:19	07/06/17 00:36	12674-11-2	
PCB-1221 (Aroclor 1221)	**<31.5**	ug/kg	63.1	31.5	1	07/05/17 11:19	07/06/17 00:36	11104-28-2	
PCB-1232 (Aroclor 1232)	**<31.5**	ug/kg	63.1	31.5	1	07/05/17 11:19	07/06/17 00:36	11141-16-5	
PCB-1242 (Aroclor 1242)	**<31.5**	ug/kg	63.1	31.5	1	07/05/17 11:19	07/06/17 00:36	53469-21-9	
PCB-1248 (Aroclor 1248)	**<31.5**	ug/kg	63.1	31.5	1	07/05/17 11:19	07/06/17 00:36	12672-29-6	
PCB-1254 (Aroclor 1254)	**<31.5**	ug/kg	63.1	31.5	1	07/05/17 11:19	07/06/17 00:36	11097-69-1	
PCB-1260 (Aroclor 1260)	**<31.5**	ug/kg	63.1	31.5	1	07/05/17 11:19	07/06/17 00:36	11096-82-5	
PCB, Total	**<31.5**	ug/kg	63.1	31.5	1	07/05/17 11:19	07/06/17 00:36	1336-36-3	
Surrogates									
Tetrachloro-m-xylene (S)	76	%	50-102		1	07/05/17 11:19	07/06/17 00:36	877-09-8	
Decachlorobiphenyl (S)	78	%	53-105		1	07/05/17 11:19	07/06/17 00:36	2051-24-3	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**20.7**	%	0.10	0.10	1		07/08/17 16:46		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 60523016.1 KEP GROUP B EXC.
Pace Project No.: 40152697

Sample: 23P-SW-8 **Lab ID: 40152697012** Collected: 06/28/17 15:45 Received: 07/01/17 08:00 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8082 GCS PCB	Analytical Method: EPA 8082 Preparation Method: EPA 3541								
PCB-1016 (Aroclor 1016)	**<35.4**	ug/kg	70.8	35.4	1	07/05/17 11:19	07/06/17 00:56	12674-11-2	
PCB-1221 (Aroclor 1221)	**<35.4**	ug/kg	70.8	35.4	1	07/05/17 11:19	07/06/17 00:56	11104-28-2	
PCB-1232 (Aroclor 1232)	**<35.4**	ug/kg	70.8	35.4	1	07/05/17 11:19	07/06/17 00:56	11141-16-5	
PCB-1242 (Aroclor 1242)	**<35.4**	ug/kg	70.8	35.4	1	07/05/17 11:19	07/06/17 00:56	53469-21-9	
PCB-1248 (Aroclor 1248)	**<35.4**	ug/kg	70.8	35.4	1	07/05/17 11:19	07/06/17 00:56	12672-29-6	
PCB-1254 (Aroclor 1254)	**<35.4**	ug/kg	70.8	35.4	1	07/05/17 11:19	07/06/17 00:56	11097-69-1	
PCB-1260 (Aroclor 1260)	**<35.4**	ug/kg	70.8	35.4	1	07/05/17 11:19	07/06/17 00:56	11096-82-5	
PCB, Total	**<35.4**	ug/kg	70.8	35.4	1	07/05/17 11:19	07/06/17 00:56	1336-36-3	
Surrogates									
Tetrachloro-m-xylene (S)	74	%	50-102		1	07/05/17 11:19	07/06/17 00:56	877-09-8	
Decachlorobiphenyl (S)	77	%	53-105		1	07/05/17 11:19	07/06/17 00:56	2051-24-3	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**29.3**	%	0.10	0.10	1		07/08/17 17:19		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 60523016.1 KEP GROUP B EXC.
Pace Project No.: 40152697

Sample: 23P-B-3 **Lab ID: 40152697013** Collected: 06/29/17 07:55 Received: 07/01/17 08:00 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8082 GCS PCB	Analytical Method: EPA 8082 Preparation Method: EPA 3541								
PCB-1016 (Aroclor 1016)	**<31.4**	ug/kg	62.8	31.4	1	07/05/17 11:19	07/06/17 01:16	12674-11-2	
PCB-1221 (Aroclor 1221)	**<31.4**	ug/kg	62.8	31.4	1	07/05/17 11:19	07/06/17 01:16	11104-28-2	
PCB-1232 (Aroclor 1232)	**<31.4**	ug/kg	62.8	31.4	1	07/05/17 11:19	07/06/17 01:16	11141-16-5	
PCB-1242 (Aroclor 1242)	**<31.4**	ug/kg	62.8	31.4	1	07/05/17 11:19	07/06/17 01:16	53469-21-9	
PCB-1248 (Aroclor 1248)	**<31.4**	ug/kg	62.8	31.4	1	07/05/17 11:19	07/06/17 01:16	12672-29-6	
PCB-1254 (Aroclor 1254)	**<31.4**	ug/kg	62.8	31.4	1	07/05/17 11:19	07/06/17 01:16	11097-69-1	
PCB-1260 (Aroclor 1260)	**<31.4**	ug/kg	62.8	31.4	1	07/05/17 11:19	07/06/17 01:16	11096-82-5	
PCB, Total	**<31.4**	ug/kg	62.8	31.4	1	07/05/17 11:19	07/06/17 01:16	1336-36-3	
Surrogates									
Tetrachloro-m-xylene (S)	72	%	50-102		1	07/05/17 11:19	07/06/17 01:16	877-09-8	
Decachlorobiphenyl (S)	75	%	53-105		1	07/05/17 11:19	07/06/17 01:16	2051-24-3	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**20.4**	%	0.10	0.10	1		07/08/17 17:19		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 60523016.1 KEP GROUP B EXC.
Pace Project No.: 40152697

Sample: 23P-SW-4 **Lab ID: 40152697014** Collected: 06/29/17 08:00 Received: 07/01/17 08:00 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8082 GCS PCB	Analytical Method: EPA 8082 Preparation Method: EPA 3541								
PCB-1016 (Aroclor 1016)	**<26.7**	ug/kg	53.3	26.7	1	07/05/17 11:19	07/06/17 01:37	12674-11-2	
PCB-1221 (Aroclor 1221)	**<26.7**	ug/kg	53.3	26.7	1	07/05/17 11:19	07/06/17 01:37	11104-28-2	
PCB-1232 (Aroclor 1232)	**<26.7**	ug/kg	53.3	26.7	1	07/05/17 11:19	07/06/17 01:37	11141-16-5	
PCB-1242 (Aroclor 1242)	**<26.7**	ug/kg	53.3	26.7	1	07/05/17 11:19	07/06/17 01:37	53469-21-9	
PCB-1248 (Aroclor 1248)	**<26.7**	ug/kg	53.3	26.7	1	07/05/17 11:19	07/06/17 01:37	12672-29-6	
PCB-1254 (Aroclor 1254)	**<26.7**	ug/kg	53.3	26.7	1	07/05/17 11:19	07/06/17 01:37	11097-69-1	
PCB-1260 (Aroclor 1260)	**<26.7**	ug/kg	53.3	26.7	1	07/05/17 11:19	07/06/17 01:37	11096-82-5	
PCB, Total	**<26.7**	ug/kg	53.3	26.7	1	07/05/17 11:19	07/06/17 01:37	1336-36-3	
Surrogates									
Tetrachloro-m-xylene (S)	74	%	50-102		1	07/05/17 11:19	07/06/17 01:37	877-09-8	
Decachlorobiphenyl (S)	80	%	53-105		1	07/05/17 11:19	07/06/17 01:37	2051-24-3	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**6.3**	%	0.10	0.10	1		07/08/17 17:19		

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ANALYTICAL RESULTS

Project: 60523016.1 KEP GROUP B EXC.
Pace Project No.: 40152697

Sample: 23P-B-1 **Lab ID: 40152697015** Collected: 06/29/17 11:45 Received: 07/01/17 08:00 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8082 GCS PCB	Analytical Method: EPA 8082 Preparation Method: EPA 3541								
PCB-1016 (Aroclor 1016)	**<30.8**	ug/kg	61.5	30.8	1	07/05/17 11:19	07/06/17 01:57	12674-11-2	
PCB-1221 (Aroclor 1221)	**<30.8**	ug/kg	61.5	30.8	1	07/05/17 11:19	07/06/17 01:57	11104-28-2	
PCB-1232 (Aroclor 1232)	**<30.8**	ug/kg	61.5	30.8	1	07/05/17 11:19	07/06/17 01:57	11141-16-5	
PCB-1242 (Aroclor 1242)	**<30.8**	ug/kg	61.5	30.8	1	07/05/17 11:19	07/06/17 01:57	53469-21-9	
PCB-1248 (Aroclor 1248)	**<30.8**	ug/kg	61.5	30.8	1	07/05/17 11:19	07/06/17 01:57	12672-29-6	
PCB-1254 (Aroclor 1254)	**<30.8**	ug/kg	61.5	30.8	1	07/05/17 11:19	07/06/17 01:57	11097-69-1	
PCB-1260 (Aroclor 1260)	**<30.8**	ug/kg	61.5	30.8	1	07/05/17 11:19	07/06/17 01:57	11096-82-5	
PCB, Total	**<30.8**	ug/kg	61.5	30.8	1	07/05/17 11:19	07/06/17 01:57	1336-36-3	
Surrogates									
Tetrachloro-m-xylene (S)	70	%	50-102		1	07/05/17 11:19	07/06/17 01:57	877-09-8	
Decachlorobiphenyl (S)	78	%	53-105		1	07/05/17 11:19	07/06/17 01:57	2051-24-3	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**18.7**	%	0.10	0.10	1		07/08/17 17:19		

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ANALYTICAL RESULTS

Project: 60523016.1 KEP GROUP B EXC.
Pace Project No.: 40152697

Sample: 23P-B-2 **Lab ID: 40152697016** Collected: 06/29/17 13:00 Received: 07/01/17 08:00 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8082 GCS PCB	Analytical Method: EPA 8082 Preparation Method: EPA 3541								
PCB-1016 (Aroclor 1016)	**<30.9**	ug/kg	61.9	30.9	1	07/05/17 11:19	07/06/17 02:18	12674-11-2	
PCB-1221 (Aroclor 1221)	**<30.9**	ug/kg	61.9	30.9	1	07/05/17 11:19	07/06/17 02:18	11104-28-2	
PCB-1232 (Aroclor 1232)	**<30.9**	ug/kg	61.9	30.9	1	07/05/17 11:19	07/06/17 02:18	11141-16-5	
PCB-1242 (Aroclor 1242)	**<30.9**	ug/kg	61.9	30.9	1	07/05/17 11:19	07/06/17 02:18	53469-21-9	
PCB-1248 (Aroclor 1248)	**<30.9**	ug/kg	61.9	30.9	1	07/05/17 11:19	07/06/17 02:18	12672-29-6	
PCB-1254 (Aroclor 1254)	**<30.9**	ug/kg	61.9	30.9	1	07/05/17 11:19	07/06/17 02:18	11097-69-1	
PCB-1260 (Aroclor 1260)	**<30.9**	ug/kg	61.9	30.9	1	07/05/17 11:19	07/06/17 02:18	11096-82-5	
PCB, Total	**<30.9**	ug/kg	61.9	30.9	1	07/05/17 11:19	07/06/17 02:18	1336-36-3	
Surrogates									
Tetrachloro-m-xylene (S)	67	%	50-102		1	07/05/17 11:19	07/06/17 02:18	877-09-8	
Decachlorobiphenyl (S)	73	%	53-105		1	07/05/17 11:19	07/06/17 02:18	2051-24-3	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**19.2**	%	0.10	0.10	1		07/08/17 17:19		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 60523016.1 KEP GROUP B EXC.
Pace Project No.: 40152697

Sample: 23P-SW-1 **Lab ID: 40152697017** Collected: 06/29/17 13:30 Received: 07/01/17 08:00 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8082 GCS PCB	Analytical Method: EPA 8082 Preparation Method: EPA 3541								
PCB-1016 (Aroclor 1016)	**<31.2**	ug/kg	62.3	31.2	1	07/05/17 11:19	07/06/17 02:38	12674-11-2	
PCB-1221 (Aroclor 1221)	**<31.2**	ug/kg	62.3	31.2	1	07/05/17 11:19	07/06/17 02:38	11104-28-2	
PCB-1232 (Aroclor 1232)	**<31.2**	ug/kg	62.3	31.2	1	07/05/17 11:19	07/06/17 02:38	11141-16-5	
PCB-1242 (Aroclor 1242)	**<31.2**	ug/kg	62.3	31.2	1	07/05/17 11:19	07/06/17 02:38	53469-21-9	
PCB-1248 (Aroclor 1248)	**<31.2**	ug/kg	62.3	31.2	1	07/05/17 11:19	07/06/17 02:38	12672-29-6	
PCB-1254 (Aroclor 1254)	**<31.2**	ug/kg	62.3	31.2	1	07/05/17 11:19	07/06/17 02:38	11097-69-1	
PCB-1260 (Aroclor 1260)	**<31.2**	ug/kg	62.3	31.2	1	07/05/17 11:19	07/06/17 02:38	11096-82-5	
PCB, Total	**<31.2**	ug/kg	62.3	31.2	1	07/05/17 11:19	07/06/17 02:38	1336-36-3	
Surrogates									
Tetrachloro-m-xylene (S)	77	%	50-102		1	07/05/17 11:19	07/06/17 02:38	877-09-8	
Decachlorobiphenyl (S)	80	%	53-105		1	07/05/17 11:19	07/06/17 02:38	2051-24-3	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**19.8**	%	0.10	0.10	1		07/08/17 17:19		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 60523016.1 KEP GROUP B EXC.
Pace Project No.: 40152697

Sample: 23P-SW-3 **Lab ID: 40152697018** Collected: 06/29/17 15:55 Received: 07/01/17 08:00 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8082 GCS PCB	Analytical Method: EPA 8082 Preparation Method: EPA 3541								
PCB-1016 (Aroclor 1016)	**<29.5**	ug/kg	59.0	29.5	1	07/05/17 11:19	07/06/17 02:58	12674-11-2	
PCB-1221 (Aroclor 1221)	**<29.5**	ug/kg	59.0	29.5	1	07/05/17 11:19	07/06/17 02:58	11104-28-2	
PCB-1232 (Aroclor 1232)	**<29.5**	ug/kg	59.0	29.5	1	07/05/17 11:19	07/06/17 02:58	11141-16-5	
PCB-1242 (Aroclor 1242)	**<29.5**	ug/kg	59.0	29.5	1	07/05/17 11:19	07/06/17 02:58	53469-21-9	
PCB-1248 (Aroclor 1248)	**<29.5**	ug/kg	59.0	29.5	1	07/05/17 11:19	07/06/17 02:58	12672-29-6	
PCB-1254 (Aroclor 1254)	**<29.5**	ug/kg	59.0	29.5	1	07/05/17 11:19	07/06/17 02:58	11097-69-1	
PCB-1260 (Aroclor 1260)	**<29.5**	ug/kg	59.0	29.5	1	07/05/17 11:19	07/06/17 02:58	11096-82-5	
PCB, Total	**<29.5**	ug/kg	59.0	29.5	1	07/05/17 11:19	07/06/17 02:58	1336-36-3	
Surrogates									
Tetrachloro-m-xylene (S)	75	%	50-102		1	07/05/17 11:19	07/06/17 02:58	877-09-8	
Decachlorobiphenyl (S)	79	%	53-105		1	07/05/17 11:19	07/06/17 02:58	2051-24-3	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**15.3**	%	0.10	0.10	1		07/08/17 17:19		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 60523016.1 KEP GROUP B EXC.
Pace Project No.: 40152697

Sample: 23P-SW-2 **Lab ID: 40152697019** Collected: 06/30/17 08:00 Received: 07/01/17 08:00 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8082 GCS PCB	Analytical Method: EPA 8082 Preparation Method: EPA 3541								
PCB-1016 (Aroclor 1016)	**<27.3**	ug/kg	54.6	27.3	1	07/05/17 11:19	07/06/17 03:19	12674-11-2	
PCB-1221 (Aroclor 1221)	**<27.3**	ug/kg	54.6	27.3	1	07/05/17 11:19	07/06/17 03:19	11104-28-2	
PCB-1232 (Aroclor 1232)	**<27.3**	ug/kg	54.6	27.3	1	07/05/17 11:19	07/06/17 03:19	11141-16-5	
PCB-1242 (Aroclor 1242)	**<27.3**	ug/kg	54.6	27.3	1	07/05/17 11:19	07/06/17 03:19	53469-21-9	
PCB-1248 (Aroclor 1248)	**<27.3**	ug/kg	54.6	27.3	1	07/05/17 11:19	07/06/17 03:19	12672-29-6	
PCB-1254 (Aroclor 1254)	**<27.3**	ug/kg	54.6	27.3	1	07/05/17 11:19	07/06/17 03:19	11097-69-1	
PCB-1260 (Aroclor 1260)	**<27.3**	ug/kg	54.6	27.3	1	07/05/17 11:19	07/06/17 03:19	11096-82-5	
PCB, Total	**<27.3**	ug/kg	54.6	27.3	1	07/05/17 11:19	07/06/17 03:19	1336-36-3	
Surrogates									
Tetrachloro-m-xylene (S)	71	%	50-102		1	07/05/17 11:19	07/06/17 03:19	877-09-8	
Decachlorobiphenyl (S)	76	%	53-105		1	07/05/17 11:19	07/06/17 03:19	2051-24-3	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**8.4**	%	0.10	0.10	1		07/08/17 17:19		

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 60523016.1 KEP GROUP B EXC.
Pace Project No.: 40152697

QC Batch: 260465 Analysis Method: EPA 8260
QC Batch Method: EPA 5035/5030B Analysis Description: 8260 MSV Med Level Normal List
Associated Lab Samples: 40152697001, 40152697002, 40152697003, 40152697004, 40152697005, 40152697006

METHOD BLANK: 1534887 Matrix: Solid
Associated Lab Samples: 40152697001, 40152697002, 40152697003, 40152697004, 40152697005, 40152697006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	<13.7	50.0	07/03/17 18:23	
1,1,1-Trichloroethane	ug/kg	<14.4	50.0	07/03/17 18:23	
1,1,2,2-Tetrachloroethane	ug/kg	<17.5	50.0	07/03/17 18:23	
1,1,2-Trichloroethane	ug/kg	<20.2	50.0	07/03/17 18:23	
1,1-Dichloroethane	ug/kg	<17.6	50.0	07/03/17 18:23	
1,1-Dichloroethene	ug/kg	<17.6	50.0	07/03/17 18:23	
1,1-Dichloropropene	ug/kg	<14.0	50.0	07/03/17 18:23	
1,2,3-Trichlorobenzene	ug/kg	<17.0	50.0	07/03/17 18:23	
1,2,3-Trichloropropane	ug/kg	<22.3	50.0	07/03/17 18:23	
1,2,4-Trichlorobenzene	ug/kg	<47.6	250	07/03/17 18:23	
1,2,4-Trimethylbenzene	ug/kg	<12.2	50.0	07/03/17 18:23	
1,2-Dibromo-3-chloropropane	ug/kg	<91.2	250	07/03/17 18:23	
1,2-Dibromoethane (EDB)	ug/kg	<14.7	50.0	07/03/17 18:23	
1,2-Dichlorobenzene	ug/kg	<16.2	50.0	07/03/17 18:23	
1,2-Dichloroethane	ug/kg	<15.0	50.0	07/03/17 18:23	
1,2-Dichloropropane	ug/kg	<16.8	50.0	07/03/17 18:23	
1,3,5-Trimethylbenzene	ug/kg	<14.5	50.0	07/03/17 18:23	
1,3-Dichlorobenzene	ug/kg	<13.2	50.0	07/03/17 18:23	
1,3-Dichloropropane	ug/kg	<12.0	50.0	07/03/17 18:23	
1,4-Dichlorobenzene	ug/kg	<15.9	50.0	07/03/17 18:23	
2,2-Dichloropropane	ug/kg	<12.6	50.0	07/03/17 18:23	
2-Chlorotoluene	ug/kg	<15.8	50.0	07/03/17 18:23	
4-Chlorotoluene	ug/kg	<13.0	50.0	07/03/17 18:23	
Benzene	ug/kg	<9.2	20.0	07/03/17 18:23	
Bromobenzene	ug/kg	<20.6	50.0	07/03/17 18:23	
Bromochloromethane	ug/kg	<21.4	50.0	07/03/17 18:23	
Bromodichloromethane	ug/kg	<9.8	50.0	07/03/17 18:23	
Bromoform	ug/kg	<19.8	50.0	07/03/17 18:23	
Bromomethane	ug/kg	<69.9	250	07/03/17 18:23	
Carbon tetrachloride	ug/kg	<12.1	50.0	07/03/17 18:23	
Chlorobenzene	ug/kg	<14.8	50.0	07/03/17 18:23	
Chloroethane	ug/kg	<67.0	250	07/03/17 18:23	
Chloroform	ug/kg	<46.4	250	07/03/17 18:23	
Chloromethane	ug/kg	<20.4	50.0	07/03/17 18:23	
cis-1,2-Dichloroethene	ug/kg	<16.6	50.0	07/03/17 18:23	
cis-1,3-Dichloropropene	ug/kg	<16.6	50.0	07/03/17 18:23	
Dibromochloromethane	ug/kg	<17.9	50.0	07/03/17 18:23	
Dibromomethane	ug/kg	<19.3	50.0	07/03/17 18:23	
Dichlorodifluoromethane	ug/kg	<12.3	50.0	07/03/17 18:23	
Diisopropyl ether	ug/kg	<17.7	50.0	07/03/17 18:23	
Ethylbenzene	ug/kg	<12.4	50.0	07/03/17 18:23	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

QUALITY CONTROL DATA

Project: 60523016.1 KEP GROUP B EXC.
Pace Project No.: 40152697

METHOD BLANK: 1534887 Matrix: Solid
Associated Lab Samples: 40152697001, 40152697002, 40152697003, 40152697004, 40152697005, 40152697006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Hexachloro-1,3-butadiene	ug/kg	<24.5	50.0	07/03/17 18:23	
Isopropylbenzene (Cumene)	ug/kg	<12.6	50.0	07/03/17 18:23	
Methyl-tert-butyl ether	ug/kg	<12.7	50.0	07/03/17 18:23	
Methylene Chloride	ug/kg	<16.2	50.0	07/03/17 18:23	
n-Butylbenzene	ug/kg	<10.5	50.0	07/03/17 18:23	
n-Propylbenzene	ug/kg	<11.6	50.0	07/03/17 18:23	
Naphthalene	ug/kg	<40.0	250	07/03/17 18:23	
p-Isopropyltoluene	ug/kg	<12.0	50.0	07/03/17 18:23	
sec-Butylbenzene	ug/kg	<11.9	50.0	07/03/17 18:23	
Styrene	ug/kg	<9.0	50.0	07/03/17 18:23	
tert-Butylbenzene	ug/kg	<9.5	50.0	07/03/17 18:23	
Tetrachloroethene	ug/kg	<12.9	50.0	07/03/17 18:23	
Toluene	ug/kg	<11.2	50.0	07/03/17 18:23	
trans-1,2-Dichloroethene	ug/kg	<16.5	50.0	07/03/17 18:23	
trans-1,3-Dichloropropene	ug/kg	<14.4	50.0	07/03/17 18:23	
Trichloroethene	ug/kg	<23.6	50.0	07/03/17 18:23	
Trichlorofluoromethane	ug/kg	<24.7	50.0	07/03/17 18:23	
Vinyl chloride	ug/kg	<21.1	50.0	07/03/17 18:23	
Xylene (Total)	ug/kg	<48.4	150	07/03/17 18:23	
4-Bromofluorobenzene (S)	%	85	58-141	07/03/17 18:23	
Dibromofluoromethane (S)	%	101	68-130	07/03/17 18:23	
Toluene-d8 (S)	%	102	68-149	07/03/17 18:23	

LABORATORY CONTROL SAMPLE: 1534888

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/kg	2500	2580	103	61-122	
1,1,2,2-Tetrachloroethane	ug/kg	2500	2370	95	73-130	
1,1,2-Trichloroethane	ug/kg	2500	2690	108	70-130	
1,1-Dichloroethane	ug/kg	2500	2600	104	63-124	
1,1-Dichloroethene	ug/kg	2500	2470	99	53-117	
1,2,4-Trichlorobenzene	ug/kg	2500	2100	84	78-130	
1,2-Dibromo-3-chloropropane	ug/kg	2500	1690	68	49-140	
1,2-Dibromoethane (EDB)	ug/kg	2500	2320	93	70-130	
1,2-Dichlorobenzene	ug/kg	2500	2350	94	70-130	
1,2-Dichloroethane	ug/kg	2500	2650	106	56-135	
1,2-Dichloropropane	ug/kg	2500	2480	99	77-122	
1,3-Dichlorobenzene	ug/kg	2500	2380	95	70-130	
1,4-Dichlorobenzene	ug/kg	2500	2660	106	70-130	
Benzene	ug/kg	2500	2640	106	66-130	
Bromodichloromethane	ug/kg	2500	2270	91	62-135	
Bromoform	ug/kg	2500	2020	81	68-130	
Bromomethane	ug/kg	2500	2040	82	29-137	
Carbon tetrachloride	ug/kg	2500	2510	100	57-130	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

QUALITY CONTROL DATA

Project: 60523016.1 KEP GROUP B EXC.
Pace Project No.: 40152697

LABORATORY CONTROL SAMPLE: 1534888

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chlorobenzene	ug/kg	2500	2700	108	70-130	
Chloroethane	ug/kg	2500	2660	106	36-144	
Chloroform	ug/kg	2500	2570	103	69-115	
Chloromethane	ug/kg	2500	1820	73	32-126	
cis-1,2-Dichloroethene	ug/kg	2500	2710	108	65-130	
cis-1,3-Dichloropropene	ug/kg	2500	2130	85	70-130	
Dibromochloromethane	ug/kg	2500	2330	93	70-130	
Dichlorodifluoromethane	ug/kg	2500	1580	63	10-99	
Ethylbenzene	ug/kg	2500	2450	98	82-122	
Isopropylbenzene (Cumene)	ug/kg	2500	2570	103	70-130	
Methyl-tert-butyl ether	ug/kg	2500	2510	101	63-134	
Methylene Chloride	ug/kg	2500	2560	103	56-123	
Styrene	ug/kg	2500	2650	106	70-130	
Tetrachloroethene	ug/kg	2500	2620	105	70-131	
Toluene	ug/kg	2500	2580	103	80-120	
trans-1,2-Dichloroethene	ug/kg	2500	2740	110	66-130	
trans-1,3-Dichloropropene	ug/kg	2500	2130	85	68-130	
Trichloroethene	ug/kg	2500	2520	101	70-130	
Trichlorofluoromethane	ug/kg	2500	2920	117	37-149	
Vinyl chloride	ug/kg	2500	2060	82	43-128	
Xylene (Total)	ug/kg	7500	7790	104	70-130	
4-Bromofluorobenzene (S)	%			94	58-141	
Dibromofluoromethane (S)	%			108	68-130	
Toluene-d8 (S)	%			102	68-149	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1534889 1534890

Parameter	Units	40152432002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,1,1-Trichloroethane	ug/kg	<25.0	1340	1340	1400	1230	105	92	57-123	13	20	
1,1,2,2-Tetrachloroethane	ug/kg	<25.0	1340	1340	1380	1370	103	103	73-135	0	20	
1,1,2-Trichloroethane	ug/kg	<25.0	1340	1340	1540	1550	115	115	70-130	0	20	
1,1-Dichloroethane	ug/kg	<25.0	1340	1340	1390	1370	104	102	63-124	2	20	
1,1-Dichloroethene	ug/kg	<25.0	1340	1340	1340	1160	100	87	48-117	14	23	
1,2,4-Trichlorobenzene	ug/kg	<47.6	1340	1340	1270	1260	95	94	78-145	2	20	
1,2-Dibromo-3-chloropropane	ug/kg	<91.2	1340	1340	1040	976	78	73	38-168	6	22	
1,2-Dibromoethane (EDB)	ug/kg	<25.0	1340	1340	1300	1360	97	101	70-130	4	20	
1,2-Dichlorobenzene	ug/kg	<25.0	1340	1340	1380	1380	103	103	70-130	1	20	
1,2-Dichloroethane	ug/kg	<25.0	1340	1340	1430	1370	106	102	56-145	4	20	
1,2-Dichloropropane	ug/kg	<25.0	1340	1340	1270	1370	95	103	77-123	7	20	
1,3-Dichlorobenzene	ug/kg	<25.0	1340	1340	1390	1370	104	103	70-130	1	20	
1,4-Dichlorobenzene	ug/kg	<25.0	1340	1340	1460	1560	109	117	70-130	7	20	
Benzene	ug/kg	<25.0	1340	1340	1420	1300	106	97	65-130	9	20	
Bromodichloromethane	ug/kg	<25.0	1340	1340	1170	1130	87	85	59-141	3	20	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

QUALITY CONTROL DATA

Project: 60523016.1 KEP GROUP B EXC.
Pace Project No.: 40152697

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1534889 1534890

Parameter	Units	40152432002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Bromoform	ug/kg	<25.0	1340	1340	1110	1260	83	94	59-141	13	20	
Bromomethane	ug/kg	<69.9	1340	1340	1210	1230	90	92	28-139	2	20	
Carbon tetrachloride	ug/kg	<25.0	1340	1340	1290	1100	96	82	50-130	16	20	
Chlorobenzene	ug/kg	<25.0	1340	1340	1510	1580	113	118	70-130	5	20	
Chloroethane	ug/kg	<67.0	1340	1340	1500	1390	112	104	36-144	8	20	
Chloroform	ug/kg	<46.4	1340	1340	1440	1370	108	102	68-122	5	20	
Chloromethane	ug/kg	<25.0	1340	1340	1050	946	78	71	30-126	10	20	
cis-1,2-Dichloroethene	ug/kg	<25.0	1340	1340	1480	1430	110	107	63-130	3	20	
cis-1,3-Dichloropropene	ug/kg	<25.0	1340	1340	1090	1060	81	79	70-130	2	20	
Dibromochloromethane	ug/kg	<25.0	1340	1340	1310	1330	98	99	66-136	1	20	
Dichlorodifluoromethane	ug/kg	<25.0	1340	1340	866	696	65	52	10-99	22	33	
Ethylbenzene	ug/kg	<25.0	1340	1340	1350	1310	100	98	80-122	3	20	
Isopropylbenzene (Cumene)	ug/kg	<25.0	1340	1340	1290	1290	96	96	70-130	0	20	
Methyl-tert-butyl ether	ug/kg	<25.0	1340	1340	1410	1310	106	98	63-134	8	20	
Methylene Chloride	ug/kg	<25.0	1340	1340	1430	1250	107	93	56-127	14	20	
Styrene	ug/kg	<25.0	1340	1340	1510	1430	113	107	70-130	5	20	
Tetrachloroethene	ug/kg	<25.0	1340	1340	1380	1380	103	103	70-131	0	20	
Toluene	ug/kg	<25.0	1340	1340	1360	1420	102	106	80-120	4	20	
trans-1,2-Dichloroethene	ug/kg	<25.0	1340	1340	1540	1310	115	98	60-130	17	20	
trans-1,3-Dichloropropene	ug/kg	<25.0	1340	1340	1060	1210	79	90	68-130	13	20	
Trichloroethene	ug/kg	<25.0	1340	1340	1320	1350	98	101	70-130	3	20	
Trichlorofluoromethane	ug/kg	<25.0	1340	1340	1310	1200	98	89	37-149	9	24	
Vinyl chloride	ug/kg	<25.0	1340	1340	1090	1010	81	75	39-128	7	20	
Xylene (Total)	ug/kg	<75.0	4020	4020	4240	4180	105	104	70-130	1	20	
4-Bromofluorobenzene (S)	%						96	92	58-141			
Dibromofluoromethane (S)	%						103	96	68-130			
Toluene-d8 (S)	%						98	92	68-149			

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

QUALITY CONTROL DATA

Project: 60523016.1 KEP GROUP B EXC.
Pace Project No.: 40152697

QC Batch: 260588 Analysis Method: EPA 8082
QC Batch Method: EPA 3541 Analysis Description: 8082 GCS PCB
Associated Lab Samples: 40152697007, 40152697008, 40152697009, 40152697010, 40152697011, 40152697012, 40152697013, 40152697014, 40152697015, 40152697016, 40152697017, 40152697018, 40152697019

METHOD BLANK: 1535160 Matrix: Solid
Associated Lab Samples: 40152697007, 40152697008, 40152697009, 40152697010, 40152697011, 40152697012, 40152697013, 40152697014, 40152697015, 40152697016, 40152697017, 40152697018, 40152697019

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
PCB-1016 (Aroclor 1016)	ug/kg	<25.0	50.0	07/05/17 20:09	
PCB-1221 (Aroclor 1221)	ug/kg	<25.0	50.0	07/05/17 20:09	
PCB-1232 (Aroclor 1232)	ug/kg	<25.0	50.0	07/05/17 20:09	
PCB-1242 (Aroclor 1242)	ug/kg	<25.0	50.0	07/05/17 20:09	
PCB-1248 (Aroclor 1248)	ug/kg	<25.0	50.0	07/05/17 20:09	
PCB-1254 (Aroclor 1254)	ug/kg	<25.0	50.0	07/05/17 20:09	
PCB-1260 (Aroclor 1260)	ug/kg	<25.0	50.0	07/05/17 20:09	
Decachlorobiphenyl (S)	%	75	53-105	07/05/17 20:09	
Tetrachloro-m-xylene (S)	%	68	50-102	07/05/17 20:09	

LABORATORY CONTROL SAMPLE: 1535161

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
PCB-1016 (Aroclor 1016)	ug/kg		<25.0			
PCB-1221 (Aroclor 1221)	ug/kg		<25.0			
PCB-1232 (Aroclor 1232)	ug/kg		<25.0			
PCB-1242 (Aroclor 1242)	ug/kg		<25.0			
PCB-1248 (Aroclor 1248)	ug/kg		<25.0			
PCB-1254 (Aroclor 1254)	ug/kg		<25.0			
PCB-1260 (Aroclor 1260)	ug/kg	500	405	81	59-106	
Decachlorobiphenyl (S)	%			78	53-105	
Tetrachloro-m-xylene (S)	%			71	50-102	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1535162 1535163

Parameter	Units	40152697007 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
PCB-1016 (Aroclor 1016)	ug/kg	<29.8			<29.8	<29.8					20	
PCB-1221 (Aroclor 1221)	ug/kg	<29.8			<29.8	<29.8					20	
PCB-1232 (Aroclor 1232)	ug/kg	<29.8			<29.8	<29.8					20	
PCB-1242 (Aroclor 1242)	ug/kg	<29.8			<29.8	<29.8					20	
PCB-1248 (Aroclor 1248)	ug/kg	<29.8			<29.8	<29.8					20	
PCB-1254 (Aroclor 1254)	ug/kg	<29.8			<29.8	<29.8					20	
PCB-1260 (Aroclor 1260)	ug/kg	<29.8	596	596	471	464	79	78	51-109	2	20	
Decachlorobiphenyl (S)	%						76	74	53-105			
Tetrachloro-m-xylene (S)	%						74	71	50-102			

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

QUALITY CONTROL DATA

Project: 60523016.1 KEP GROUP B EXC.
Pace Project No.: 40152697

QC Batch: 260952 Analysis Method: ASTM D2974-87
QC Batch Method: ASTM D2974-87 Analysis Description: Dry Weight/Percent Moisture
Associated Lab Samples: 40152697002, 40152697003, 40152697004, 40152697005, 40152697006, 40152697007, 40152697008, 40152697009, 40152697010, 40152697011

SAMPLE DUPLICATE: 1537176

Parameter	Units	40152842001 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	8.1	8.1	1	10	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
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(920)469-2436

QUALITY CONTROL DATA

Project: 60523016.1 KEP GROUP B EXC.
Pace Project No.: 40152697

QC Batch: 260953 Analysis Method: ASTM D2974-87
QC Batch Method: ASTM D2974-87 Analysis Description: Dry Weight/Percent Moisture
Associated Lab Samples: 40152697012, 40152697013, 40152697014, 40152697015, 40152697016, 40152697017, 40152697018, 40152697019

SAMPLE DUPLICATE: 1537177

Parameter	Units	40152761002 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	7.9	7.7	2	10	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

QUALIFIERS

Project: 60523016.1 KEP GROUP B EXC.
Pace Project No.: 40152697

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 LOD.

J - Estimated concentration at or above the LOD and below the LOQ.

LOD - Limit of Detection adjusted for dilution factor and percent moisture.

LOQ - Limit of Quantitation adjusted for dilution factor and percent moisture.

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 at or above the adjusted LOD.

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-G	Pace Analytical Services - Green Bay

ANALYTE QUALIFIERS

W	Non-detect results are reported on a wet weight basis.

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 60523016.1 KEP GROUP B EXC.
Pace Project No.: 40152697

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40152697007	**23P-SW-5**	EPA 3541	260588	EPA 8082	260589
40152697008	**23P-B-5**	EPA 3541	260588	EPA 8082	260589
40152697009	**23P-SW-6**	EPA 3541	260588	EPA 8082	260589
40152697010	**23P-B-4**	EPA 3541	260588	EPA 8082	260589
40152697011	**23P-SW-7**	EPA 3541	260588	EPA 8082	260589
40152697012	**23P-SW-8**	EPA 3541	260588	EPA 8082	260589
40152697013	**23P-B-3**	EPA 3541	260588	EPA 8082	260589
40152697014	**23P-SW-4**	EPA 3541	260588	EPA 8082	260589
40152697015	**23P-B-1**	EPA 3541	260588	EPA 8082	260589
40152697016	**23P-B-2**	EPA 3541	260588	EPA 8082	260589
40152697017	**23P-SW-1**	EPA 3541	260588	EPA 8082	260589
40152697018	**23P-SW-3**	EPA 3541	260588	EPA 8082	260589
40152697019	**23P-SW-2**	EPA 3541	260588	EPA 8082	260589
40152697001	**TRIP BLANK**	EPA 5035/5030B	260465	EPA 8260	260470
40152697002	**7T-SW-28**	EPA 5035/5030B	260465	EPA 8260	260470
40152697003	**7T-SW-29**	EPA 5035/5030B	260465	EPA 8260	260470
40152697004	**7T-B-7**	EPA 5035/5030B	260465	EPA 8260	260470
40152697005	**7T-SW-30**	EPA 5035/5030B	260465	EPA 8260	260470
40152697006	**7T-SW-31**	EPA 5035/5030B	260465	EPA 8260	260470
40152697002	**7T-SW-28**	ASTM D2974-87	260952		
40152697003	**7T-SW-29**	ASTM D2974-87	260952		
40152697004	**7T-B-7**	ASTM D2974-87	260952		
40152697005	**7T-SW-30**	ASTM D2974-87	260952		
40152697006	**7T-SW-31**	ASTM D2974-87	260952		
40152697007	**23P-SW-5**	ASTM D2974-87	260952		
40152697008	**23P-B-5**	ASTM D2974-87	260952		
40152697009	**23P-SW-6**	ASTM D2974-87	260952		
40152697010	**23P-B-4**	ASTM D2974-87	260952		
40152697011	**23P-SW-7**	ASTM D2974-87	260952		
40152697012	**23P-SW-8**	ASTM D2974-87	260953		
40152697013	**23P-B-3**	ASTM D2974-87	260953		
40152697014	**23P-SW-4**	ASTM D2974-87	260953		
40152697015	**23P-B-1**	ASTM D2974-87	260953		
40152697016	**23P-B-2**	ASTM D2974-87	260953		
40152697017	**23P-SW-1**	ASTM D2974-87	260953		
40152697018	**23P-SW-3**	ASTM D2974-87	260953		
40152697019	**23P-SW-2**	ASTM D2974-87	260953		

Pace Analytical
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CHAIN-OF-CUSTODY / Analytical Request Document

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

40152697

SSM

Page: 1 of

Section A Required Client Information:	Section B Required Project Information:	Section C Invoice Information:
Company: AECOM - Milw	Report To: Lanette Altenbach	Attention: Accounts Payable/Finance Department
Address: 1555 N. River Center Dr., Suite 214	Copy To: Susan Petrofske	Company Name: City of Kenosha
Milwaukee, WI 53212		Address: 652 52nd St., Kenosha, WI 53140
Email To: Lanette.Altenbach@aecom.com	Purchase Order No.:	Pace Quote Reference:
Phone: 414-577-1363 Fax:	Project Name: KEP Group B Excavation	Pace Project Manager: Chris Hyska
Requested Due Date/TAT: Standard	Project Number: 60523016.1	Pace Profile #: (2430) Kenosha work

REGULATORY AGENCY

☐ NPDES ☐ GROUND WATER ☐ DRINKING WATER
☐ UST ☐ RCRA ☐ OTHER_____

SITE LOCATION: ☐ GA ☐ IL ☐ IN ☐ MI ☐ NC ☐ OH ☐ ☑ WI ☐ OTHER____

Valid Matrix Codes: DRINKING WATER DW; WATER WT; WASTE WATER WW; PRODUCT P; SOIL/SOLID SL; OIL OL; WIPE WP; AIR AR; OTHER OT; TISSUE TS

ITEM #	Section D Required Client Information: SAMPLE ID (One Character per box. (A-Z, 0-9 / ,-) Samples IDs MUST BE UNIQUE)	MATRIX CODE	SAMPLE TYPE G+GRAB C=COMP	COLLECTED COMPOSITE START DATE	COMPOSITE START TIME	COMPOSITE END/GRAB DATE	COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	#OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Filtered (Y/N)	Requested Analysis: VOCs	DMW Client	PCBs	Residual Chlorine (Y/N)	Pace Project Number Lab I.D.
1	Trip Blank 2-40mlv[F] 1-4ozp[A]	SL	G	6/27/17	0730	—	—		2							X			2				001
2	7T-SW-28	SL	G	6/27/17	0745	—	—		3	X						X			2	1			002
3	7T-SW-29	SL	G	6/27/17	0750	—	—		3	X						X			2	1			003
4	7T-B-7	SL	G	6/27/17	0835	—	—		3	X						X			2	1			004
5	7T-SW-30	SL	G	6/27/17	1100	—	—		3	X						X			2	1			005
6	7T-SW-31	SL	G	6/27/17	1200	—	—		3	X						X			2	1			006
7	23P-SW-5 1-4ozag[A]	SL	G	6/28/17	0950	—	—		1	X											1		007
8	23P-B-5	SL	G	6/28/17	1105	—	—		1	X											1		008
9	23P-SW-6	SL	G	6/28/17	1140	—	—		1	X											1		009
10	23P-B-4	SL	G	6/28/17	1225	—	—		1	X											1		010
11	23P-SW-7	SL	G	6/28/17	1230	—	—		1	X											1		011
12	23P-SW-8	SL	G	6/28/17	1545	—	—		1	X											1		012

Additional Comments:

RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME
Zach Albert / AECOM	6/30/17	1100	Mary Fanning	6/30/17	1345
Mary Fanning	6/30/17	1515			
CS Logistics	7/1/17	0800	Abigail Hanson PACE	7/1/17	0800

SAMPLE CONDITIONS: R01

Temp in °C	Received on Ice Y/N	Custody Sealed Cooler Y/N	Samples Intact Y/N
	Y/N	Y/N	Y/N
	Y/N	Y/N	Y/N
	Y/N	Y/N	Y/N
	Y/N	Y/N	Y/N

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Alex Stocker / Zach Albert

SIGNATURE of SAMPLER: DATE Signed (MM / DD / YY): 06/24/17

Pace Analytical™
www.pacelabs.com

CHAIN-OF-CUSTODY / Analytical Request Document

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

40152697

Page: of

Section A — **Required** Client Information:

Company: AECOM - Milw	
Address: 1555 N. River Center Dr., Suite 214	
Milwaukee, WI 53212	
Email To: Lanette.Altenbach@aecom.com	
Phone: 414-577-1363	Fax:
Requested Due Date/TAT: Standard	

Section B — **Required** Project Information:

Report To: Lanette Altenbach
Copy To: Susan Petrofske
Purchase Order No.:
Project Name: KEP Group B Excavation
Project Number: 60523016.1

Section C — Invoice Information:

Attention: Accounts Payable/Finance Department
Company Name: City of Kenosha
Address: 652 52nd St., Kenosha, WI 53140
Pace Quote Reference:
Pace Project Manager: Chris Hyska
Pace Profile #: (2430) Kenosha work

REGULATORY AGENCY

☐ NPDES ☐ GROUND WATER ☐ DRINKING WATER
☐ UST ☐ RCRA ☐ OTHER_____

SITE LOCATION: ☐ GA ☐ IL ☐ IN ☐ MI ☐ NC ☐ OH ☐ ☑ WI ☐ OTHER___

Section D — **Required** Client Information

SAMPLE ID
One Character per box.
(A-Z, 0-9 / ,-)
Samples IDs MUST BE UNIQUE

Valid Matrix Codes

MATRIX	CODE
DRINKING WATER	DW
WATER	WT
WASTE WATER	WW
PRODUCT	P
SOIL/SOLID	SL
OIL	OL
WIPE	WP
AIR	AR
OTHER	OT
TISSUE	TS

ITEM #	SAMPLE ID	MATRIX CODE	SAMPLE TYPE G+GRAB C=COMP	COLLECTED COMPOSITE START DATE	COLLECTED COMPOSITE START TIME	COLLECTED COMPOSITE END/GRAB DATE	COLLECTED COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	#OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Requested Analysis: PCBs	Residual Chlorine (Y/N)	Pace Project Number / Lab I.D.
1	23P-B-3	SL	G	6/29/17	0755	–	–		1	X								1		013
2	23P-SW-4	SL	G	6/29/17	0800	–	–		1	X								1		014
3	23P-B-1	SL	G	6/29/17	1145	–	–		1	X								1		015
4	23P-B-2	SL	G	6/29/17	1300	–	–		1	X								1		016
5	23P-SW-1	SL	G	6/29/17	1330	–	–		1	X								1		017
6	23P-SW-3	SL	G	6/29/17	1555	–	–		1	X								1		018
7	23P-SW-2	SL	G	6/30/17	0800	–	–		1	X								1		019
8	~~23P-SW-2~~	SL	G																	
9																				
10																				
11																				
12																				

Additional Comments:

RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME
Zach Albert / AECOM	6/30/17	1100	Mary Fannin	6/30/17	1345
Mary Fannin	6/30/17	1515			
CS Logistics	7/1/17	0800	~~Reagen Hewitt~~ PACE	7/1/17	0800

SAMPLE CONDITIONS

	Temp in °C	Received on Ice Y/N	Custody Sealed Cooler Y/N	Samples Intact Y/N
		Y/N	Y/N	Y/N
		Y/N	Y/N	Y/N
R01		Y/N	Y/N	Y/N
		Y/N	Y/N	Y/N

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Alex Stocker / Zach Albert

SIGNATURE of SAMPLER: ~~Alex Stocker~~ Zach Albert — DATE Signed (MM / DD / YY): 06/29/17

Sample Condition Upon Receipt

Pace Analytical Services, LLC. - Green Bay WI
1241 Bellevue Street, Suite 9
Green Bay, WI 54302

Pace Analytical™

Client Name: Accom

Project # **WO# : 40152697**

40152697

Courier: ☐ Fed Ex ☒ UPS ☐ Client ☐ Pace Other: CS Logistics

Tracking #:

Custody Seal on Cooler/Box Present: ☒ yes ☐ no Seals intact: ☒ yes ☐ no

Custody Seal on Samples Present: ☐ yes ☒ no Seals intact: ☐ yes ☐ no

Packing Material: ☒ Bubble Wrap ☒ Bubble Bags ☐ None ☐ Other

Thermometer Used NA

Type of Ice: (Wet) Blue Dry None

☒ Samples on ice, cooling process has begun

Cooler Temperature Uncorr: 2.01 /Corr: 2.01

Biological Tissue is Frozen: ☐ yes ☐ no

Temp Blank Present: ☐ yes ☒ no

Temp should be above freezing to 6°C.
Biota Samples may be received at ≤ 0°C.

Person examining contents:
Date: 7/1/17
Initials: AMH

		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 & Signature on COC:	☒Yes ☐No ☐N/A	4.
Samples Arrived within Hold Time:	☒Yes ☐No ☐N/A	5.
- VOA Samples frozen upon receipt	☐Yes ☐No	Date/Time:
Short Hold Time Analysis (<72hr):	☐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	
-Pace IR Containers Used:	☐Yes ☐No ☒N/A	
Containers Intact:	☒Yes ☐No ☐N/A	10.
Filtered volume received for Dissolved tests	☐Yes ☐No ☒N/A	11.
Sample Labels match COC:	☐Yes ☒No ☐N/A	12. 002 - 4ozP time 7:30
-Includes date/time/ID/Analysis Matrix: S		AMH 7/1/17
All containers needing preservation have been checked. (Non-Compliance noted in 13.)	☐Yes ☐No ☒N/A	13. ☐ HNO3 ☐ H2SO4 ☐ NaOH ☐ NaOH +ZnAct
All containers needing preservation are found to be in compliance with EPA recommendation. (HNO3, H2SO4 ≤2; NaOH+ZnAct ≥9, NaOH ≥12)	☐Yes ☐No ☒N/A	
exceptions: VOA, coliform, TOC, TOX, TOH, O&G, WIDROW, Phenolics, OTHER:	☐Yes ☐No	Initial when completed / Lab Std #ID of preservative / Date/ Time:
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: If checked, see attached form for additional comments ☐

Person Contacted: Date/Time:

Comments/ Resolution:

Project Manager Review: CBK **Date:** 7.3.17

Lanette Altenbach
Sr. Hydrogeologist/Project Manager
T: 414-944-6080
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