



® March 4, 2021

Mr. Bradley Roberts
Task Order Contracting Officer Representative
U.S. Environmental Protection Agency, Region 7
11201 Renner Blvd.
Lenexa, Kansas 66219

**Subject: Contract No. 68HERH19D0018; Task Order (TO) No. 68E0719F0190
Pine Lawn, 6128 Natural Bridge Road, Pine Lawn, Missouri
Phase II Environmental Site Assessment (ESA)**

Dear Mr. Roberts:

Toeroek Associates, Inc. (Toeroek) and our teaming subcontractor, Tetra Tech, Inc. (Tetra Tech), (hereafter "Toeroek Team") are pleased to present the revised Phase II Environmental Site Assessment (ESA) report regarding the Pine Lawn site (the subject property) at 6128 Natural Bridge Road, Pine Lawn, Missouri. Revisions were made to address U.S. Environmental Protection Agency (EPA) comments received on January 20, 2021. The Toeroek Team has conducted the Phase II ESA based on the Phase I ESA performed at the subject property by Terracon Consultants, Inc. on July 11, 2019. This deliverable has been reviewed internally as part of Tech Tech's quality assurance program, as well as Toeroek's quality assurance program, and is consistent with Toeroek's Quality Management Plan for the Resource Conservation and Recovery Act (RCRA) Enforcement and Permitting Assistance (REPA) contract. Documentation of this review is retained in the Toeroek Team's project files.

If you have any questions or comments, please contact Paul Kieler at 303-407-0266 or Kaitlyn Mitchell at 816-412-1742.

Sincerely,

Paul Kieler
Toeroek Team Program Manager

Kaitlyn Mitchell
Toeroek Team Project Manager

Enclosure: Phase II ESA

cc: Frank Novello, EPA Region 7 (cover letter only)
Lisa Dunning, EPA Region 7
Heather Wood, Tetra Tech
Toeroek Team Project Files

300 Union Blvd., Suite 520
Lakewood, CO 80228
303-420-7735
Fax: 303-420-7658

**TARGETED BROWNFIELDS ASSESSMENT
PHASE II ENVIRONMENTAL SITE ASSESSMENT**

**PINE LAWN
6128 NATURAL BRIDGE ROAD, PINE LAWN, MISSOURI**



Prepared for

**U.S. ENVIRONMENTAL PROTECTION AGENCY
REGION 7**

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Prepared by	:	Toeroek Associates, Inc.
Project Manager	:	Kaitlyn Mitchell
Telephone	:	816-412-1742
EPA TOCOR	:	Bradley Roberts
Telephone	:	913-551-7279

CONTENTS

<u>Section</u>	<u>Page</u>
1.0 INTRODUCTION	1
1.1 PURPOSE.....	1
1.2 SPECIAL TERMS AND CONDITIONS	1
2.0 BACKGROUND AND SITE HISTORY	2
2.1 SITE DESCRIPTION AND FEATURES	2
2.2 PHYSICAL SETTING	2
2.2.1 Geologic Setting	2
2.2.2 Hydrogeology	3
2.2.3 Hydrology.....	4
2.2.4 Meteorology	4
2.3 SITE HISTORY AND LAND USE	5
2.4 ADJACENT PROPERTY USE.....	5
2.5 SUMMARY OF PREVIOUS ASSESSMENTS	5
3.0 PHASE II ENVIRONMENTAL SITE ASSESSMENT ACTIVITIES	6
3.1 SCOPE OF THE ASSESSMENT.....	6
3.1.1 Sampling Plan.....	6
3.1.2 Chemical Testing Plan.....	6
3.1.3 Deviations from the QAPP	7
3.2 FIELD EXPLORATION AND METHODS	7
3.2.1 GPR Survey	7
3.2.2 Soil Sampling	7
3.2.3 Groundwater Sampling.....	9
3.2.4 Quality Control Sampling.....	10
4.0 EVALUATION AND PRESENTATION OF RESULTS.....	11
4.1 GPR SURVEY.....	11
4.2 SUBSURFACE SOIL SAMPLES	12
4.3 GROUNDWATER SAMPLES	15
4.4 QUALITY CONTROL SAMPLES	16
5.0 DISCUSSION OF SIGNIFICANT FINDINGS AND CONCLUSIONS.....	18
5.1 GPR SURVEY.....	18
5.2 SUBSURFACE SOIL.....	18
5.3 GROUNDWATER	19
5.4 EVALUATION OF PREVIOUSLY IDENTIFIED RECS	19
5.5 AFFECTED MEDIA	20
6.0 REFERENCES	21

CONTENTS (Continued)

APPENDICES

Appendix

A	FIGURES
B	PHOTOGRAPHIC DOCUMENTATION
C	SITE LOGBOOK AND SOIL BORING LOGS
D	ANALYTICAL DATA PACKAGES AND DATA VALIDATION REPORTS
E	PROPERTY PROFILE FORM

TABLES

<u>Table</u>	<u>Page</u>
1	SOIL SAMPLE SUMMARY 8
2	GROUNDWATER SAMPLE SUMMARY 9
3	DETECTED VOC RESULTS FROM SUBSURFACE SOIL SAMPLES 12
4	DETECTED TPH RESULTS FROM SUBSURFACE SOIL SAMPLES 13
5	DETECTED METALS RESULTS FROM SUBSURFACE SOIL SAMPLES 14
6	DETECTED METALS RESULTS FROM GROUNDWATER SAMPLES 16

1.0 INTRODUCTION

The U.S. Environmental Protection Agency (EPA) tasked Toeroek Associates, Inc. (Toeroek) and its teaming subcontractor, Tetra Tech, Inc. (Tetra Tech), (hereafter “Toeroek Team”) with providing technical support to the EPA Region 7 Brownfields Program under Contract 68HERH19D0018, Task Order (TO) 68E0719F0190. EPA Region 7 requested the Toeroek Team conduct a Phase II Environmental Site Assessment (ESA) as part of a Targeted Brownfields Assessment (TBA) of the Pine Lawn site (the subject property) at 6128 Natural Bridge Road in Pine Lawn, Missouri (see Appendix A, Figure 1). The Toeroek Team performed this Phase II ESA based on results of the Phase I ESA by Terracon Consultants, Inc. (Terracon) in July 2019. According to the Brownfields Assessment Application (City of Pine Lawn, Missouri 2018), the current property owner, City of Pine Lawn, is interested in developing the parcel for commercial purposes depending on findings from this Phase II ESA.

The scope of the Phase II ESA included a ground penetrating radar (GPR) survey and collection of subsurface soil and groundwater samples to confirm or eliminate recognized environmental conditions (REC) identified during the previous Phase I ESA (Terracon 2019).

This Phase II ESA report is consistent with ASTM International (ASTM) Standard E 1903-19 for Phase II ESAs, and complies with EPA’s “All Appropriate Inquiries” Rule (AAI Rule) (40 *Code of Federal Regulations* [CFR] Part 312).

1.1 PURPOSE

Purposes of this Phase II ESA were to (1) confirm or eliminate the RECs identified during the Phase I ESA, (2) acquire information regarding the nature of contamination (if present) and risks posed by that contamination that would support informed business decisions about the property, and (3) where applicable, satisfy the innocent purchaser defense under the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA).

1.2 SPECIAL TERMS AND CONDITIONS

No special terms or conditions were identified during the Phase II ESA.

2.0 BACKGROUND AND SITE HISTORY

This section specifies the location of the subject property and its features, conveys the physical setting, recounts the history of the subject property, discusses land uses at the subject property and adjacent properties, and relates results of previous investigations.

2.1 SITE DESCRIPTION AND FEATURES

The subject property is located at 6128 Natural Bridge Road in Pine Lawn, St. Louis County, Missouri, and is depicted on the Clayton, Missouri, U.S. Geological Survey (USGS) 7.5-minute topographic series map (USGS 1993) (see Appendix A, Figure 1). Coordinates at the approximate center of the subject property are 38.689726 degrees north latitude and 90.276545 degrees west longitude. The subject property is on a 1.31-acre parcel that is paved and does not host any structures (Terracon 2019).

The Terracon Phase I ESA report states the property was first developed in the 1930s for commercial use, and historically included a commercial structure that may have been an auto garage and/or drug store. Facilities to the north, east, south, and west included filling station, auto repair, and auto dealership/service operations, respectively. Terracon indicated possible presence of underground storage tanks (USTs) at the property due to operations of auto-service-related facilities before environmental regulations were in place. In addition, Terracon identified a historical dry cleaner upgradient and north of the property and beyond the roadway. Terracon identified as RECs to the subject property, possible impacts on the subject property by on-site and off-site historical auto-service operations as well as off-site dry cleaning operations (Terracon 2019).

2.2 PHYSICAL SETTING

The subject property lies in the northwestern suburbs of St. Louis, Missouri. It is bounded to the north-northeast by a Natural Bridge Road followed by commercial properties, to the east-southeast by parking lots, to the south-southwest by a parking lot and abandoned building, to the west by Kienlen Avenue with residential properties beyond, and to the north-northwest by a gas station. The subject property encompasses approximately 1.31 acres and is paved with no structures (Terracon 2019).

2.2.1 Geologic Setting

St. Louis County lies within the gently rolling Central Lowland physiographic province. The sedimentary rocks beneath the area surrounding the subject property consist primarily of the shale and sandstones of the

Pennsylvanian Marmaton and Cherokee Groups that overlie Mississippian rocks that crop out in a wide to narrow band extending from southwestern Missouri to just north of the Missouri River in central Missouri, and as a second, less extensive band in northeastern Missouri parallel to the Mississippi River.

Mississippian strata are mostly limestone (commonly cherty) but include some beds of sandstone and shale (USGS 1997).

Soil at the subject property has been classified according to U.S. Department of Agriculture (USDA) Soil Conservation Services Web Soil Survey reviewed in October 2020. The soil consists of urban land, harvester complex with 2 to 9 percent slopes. This soil type is found in hillslopes and interfluves, is moderately well drained, and consists of silt loam (to depth of 7 inches), silty clay loam (from 7 to 31 inches deep), and clay loam (from 31 to 80 inches deep) (USDA 2020). During the Phase II ESA, soils observed during soil borings consisted primarily of clays and urban fill (see Section 3.2.2).

The subject property slopes gently to the south-southwest toward an adjacent property with an abandoned building and a parking lot.

2.2.2 Hydrogeology

The surficial aquifer system of the region consists of unconsolidated sand and gravel, and is divided into three parts: stream-valley aquifers, the Mississippi River Valley alluvial aquifer, and glacial-drift aquifers. The subject property is in the area of stream-valley aquifers, which consist of narrow bands of fluvial and alluvial sediments that fill or partly fill the valleys of meandering to braided streams that have eroded shallow channels into glacial deposits, older unconsolidated alluvium, or bedrock. The unconsolidated sand and gravel deposits that comprise the stream-valley aquifers are thicker, more widespread, and more productive in the valleys of the larger rivers than those of smaller streams.

The stream-valley aquifers consist mostly of sand and gravel of Holocene age, but locally include sediments of Pleistocene age. Most water in the stream-valley aquifers is under unconfined, or water-table, conditions. The stream-valley aquifers are in direct hydraulic connection with adjacent streams, and water levels in the aquifers are thus closely related to river levels. Chemical quality of the water in the stream-valley aquifers is generally suitable for most uses. Typically, the water is hard and a calcium bicarbonate type (USGS 1997).

Groundwater is not currently used for drinking water at the subject property. The City of Pine Lawn derives its drinking water from a private utility supplier, Missouri American Water. Missouri American Water utilizes surface water consisting of approximately 80% from the Missouri River and 20% from the

Meramec River. Additionally, Missouri American Water occasionally purchases water from the City of St. Louis Water Division (Missouri American Water 2019).

The hydrologic gradient at the subject property is not known but may be inferred to be consistent with the topographic gradient, which extends primarily in the south-southeast direction. Groundwater depth and direction likely vary with seasonal changes, precipitation, and other unknown hydrogeologic features.

At DPT-1, DPT-3, and DPT-4, groundwater was not encountered before geological refusal or termination of advancement at total planned depth of 30 feet below ground surface (bgs), so no groundwater samples were collected at these borings. Groundwater was encountered at approximately 24 feet bgs at DPT-2 and approximately 15 feet bgs at DPT-5 and DPT-6. Based on the topographic gradient of the area, these locations are on the upgradient portion of the subject property.

According to the National Wetlands Inventory surface water and wetlands mapper, there are no surface water features on the subject property and the nearest surface water is a 2.14-acre riverine classified as an intermittent, seasonally flooded streambed located approximately 0.15 miles to the west-southwest and the Mississippi River located approximately 3.5 miles to the east (U.S. Fish and Wildlife Service [USFWS] 2021a).

The Phase I ESA indicated that there were no water wells identified on the subject property or on any property adjoining the subject property. According to the Missouri Geological Survey (MGS) GeoSTRAT database for registered wells, the closest wells are 14 monitoring wells on the adjacent property southwest of the subject property across the street at 6110 Natural Bridge Road (MGS 2021). These monitoring wells are associated with the King Management property, a leaking underground storage tank (LUST) listing in the Phase I ESA (Terracon 2019). The closest water supply well is approximately 2 miles southwest of the subject property at a business located at 6346 Plymouth Avenue (MGS 2021).

2.2.3 Hydrology

Most of the subject property is flat; however, surface water likely flows to storm sewers or toward the Mississippi River, which is approximately 3.5 miles east-northeast of the subject property.

2.2.4 Meteorology

The annual average rainfall in the greater St. Louis area, Missouri, is 38 inches. Average summer highs get to about 83 degrees Fahrenheit (°F). Average winter lows are around 24°F (National Weather Service 2021).

2.3 SITE HISTORY AND LAND USE

The Terracon Phase I ESA report states the subject property was first developed in the 1930s for commercial use, and historically included a commercial structure that may have been an auto garage and/or drug store. Terracon indicated possible presence of USTs at the subject property due to operations of auto-service-related facilities before environmental regulations were in place. Terracon identified as RECs to the subject property, possible impacts on the subject property from on-site and off-site historical auto-service operations as well as off-site historical dry cleaning operations (Terracon 2019).

2.4 ADJACENT PROPERTY USE

Facilities to the north, east, south, and west included filling station, auto repair, and auto dealership/service operations. In addition, Terracon identified historical presence of a former dry cleaner upgradient and north of the property beyond the roadway. Terracon identified as RECs to the subject property, possible impacts on the subject property from off-site historical auto-service operations and off-site historical dry cleaning operations (Terracon 2019).

The subject property lies in the northwestern suburbs of St. Louis, Missouri. It is currently bounded to the north-northeast by a Natural Bridge Road followed by commercial properties, to the east-southeast by parking lots, to the south-southwest by a parking lot and abandoned building, to the west by Kienlen Avenue with residential properties beyond, and to the north-northwest by a gas station.

2.5 SUMMARY OF PREVIOUS ASSESSMENTS

Terracon identified the following RECs during a Phase I ESA at the subject property in July 2019 (Terracon 2019):

- Historical use of the subject property for auto service operations.
- Historical use of the nearby properties for auto service and dry cleaning operations.

The Phase I ESA report recommended additional investigation to evaluate subsurface conditions at the subject property.

Seagull Environmental Technologies, Inc. conducted an Area-Wide Inventory (AWI) of Pine Lawn in early 2018. The AWI report did not identify any potential environmental concerns at the subject property (Terracon 2019). The original AWI report was not made available to the Toeroek Team and is known only through descriptions of the inventory in the Terracon Phase I ESA.

3.0 PHASE II ENVIRONMENTAL SITE ASSESSMENT ACTIVITIES

The following subsections describe the scope, field exploration, and methods implemented during this Phase II ESA. From September 21 through 25, 2020, Toeroek Team members Stephanie Caples and Thomas Kaley supervised a GPR survey and conducted subsurface soil and groundwater sampling. Photographs taken to document Phase II ESA field activities are in Appendix B. Phase II activities were documented in a site logbook; a copy is in Appendix C.

3.1 SCOPE OF THE ASSESSMENT

The Toeroek Team performed a GPR survey to locate possibly present underground utilities and USTs at the subject property and conducted environmental sampling to determine if subsurface soils had been contaminated by current and/or historical activities at the subject property. Sampling was consistent with the Quality Assurance Project Plan (QAPP) approved by EPA on September 11, 2020 (Toeroek 2020).

3.1.1 Sampling Plan

The proposed sampling scheme for this project incorporated a combination of biased/judgmental sampling with definitive laboratory analysis, in accordance with procedures included in the *Guidance for Performing Site Inspections Under CERCLA* (Office of Solid Waste and Emergency Response (OSWER) Directive #9345.1-05, September 1992). All samples were submitted for analysis to an off-site laboratory subcontracted by the Toeroek Team. Objective of soil sampling was to characterize possible releases to the environment. Figure 2 in Appendix A depicts sampling locations at the subject property. DPT borings were advanced at all of the Pine Lawn addresses (4311 and 4315 Jennings Station Road and 6109, 6128, 6305, and 6310 Natural Bridge Road), but only six of these DPT boring locations (DPT-1 through DPT-6) were associated with the address 6128 Natural Bridge Road.

3.1.2 Chemical Testing Plan

Laboratory analyses for chemical parameters were selected based on possibly present contaminants associated with current and historical uses of the subject property. All samples were submitted to Pace Analytical (Pace) of Lenexa, Kansas, for analyses for the following parameters: volatile organic compounds (VOC), semivolatile organic compounds (SVOC), polychlorinated biphenyls (PCBs), total petroleum hydrocarbons (TPH) – gasoline-range organics (GRO), TPH – diesel-range organics (DRO), TPH – oil-range organics (ORO), and Resource Conservation and Recovery Act (RCRA) metals (including mercury).

3.1.3 Deviations from the QAPP

The following deviations from the QAPP occurred during Phase II ESA activities:

- The QAPP specified collection of groundwater samples at all DPT locations. Groundwater was not encountered before geologic refusal at DPT-1, DPT-3, and DPT-4. As such, no groundwater samples were collected at these borings.
- The QAPP indicated any soil samples, groundwater samples, or blanks be analyzed for VOCs, SVOCs, TPH, and metals. Samples were also inadvertently analyzed for PCBs, due to an error in the field, but none was detected in any sample.

3.2 FIELD EXPLORATION AND METHODS

Field activities at the subject property occurred on September 21 and 22, 2020. Samples were submitted to Pace in Lenexa, Kansas, on September 21 and 22, 2020. Toeroek Team subcontractor, Environmental Works, Inc. (EWI) conducted the GPR survey and the DPT drilling activities. The following sections summarize field activities including soil and groundwater sample collections. Sampling locations are depicted on Figure 2 in Appendix A.

3.2.1 GPR Survey

EWI conducted an integrated geophysical survey by use of multi-phase GPR. A GPR antenna and an electromagnetic pipe and cable locator were utilized for the survey of underground conditions. The entire subject property, approximately 40,000 square feet, was surveyed to an effective depth of approximately 6 to 8 feet bgs. Real-time active scanning methods were applied to locate possibly present USTs within the designated scan areas.

3.2.2 Soil Sampling

At each of six selected soil boring locations, one subsurface soil sample (including one field duplicate) was collected during Phase II activities to investigate present contamination from historical and current activities at the subject property (see Appendix A, Figure 2). Surface soil sampling was not planned because the entire property is paved. Boring locations were located generally where the QAPP indicated, but one boring, DPT-6 was moved to the area of disturbed soil, assumed to be a UST, found during the GPR survey.

Sampling proceeded by use of a Geoprobe DPT rig. Soil cores were collected with Geoprobe 5-foot-long, Macro-Core samplers with disposable polyvinyl chloride (PVC) liners. Soil borings were to be advanced to maximum depth of 30 feet, or to groundwater, whichever came first. Borings were advanced to depths

ranging from 20 to 29 feet bgs before encountering equipment refusal from foundation material, rubble, or bedrock. Soil borings were screened by use of a hand-held photoionization detector (PID) for presence of elevated concentrations of VOCs. Soil samples were collected from intervals within borings that exhibited observable staining, emitted odor, or induced elevated PID readings. If no odor, staining, or elevated PID readings were detected, samples were collected near the bottom of the borings (25-30 feet bgs). Boring logs are in Appendix C.

Soil samples for analyses for VOCs and TPH-GRO (via SW-846 Method 5035/8260) were collected according to EPA Method 5035, which includes collecting approximately 5 grams of soil into three 40-milliliter (mL) vials directly from the undisturbed core by use of a disposable volatile organic analysis (VOA) plunger. Two vials were preserved with sodium bisulfate, and one vial was preserved with methanol. Remaining soil from each sample interval was homogenized and placed into four 8-ounce jars. Samples were analyzed for SVOCs (via SW-846 Method 8270), PCBs (via SW-846 Method 8082), TPH-DRO (via SW-846 Method 8270), TPH-ORO (via SW-846 Method 8270), and RCRA metals (via SW-846 Method 6020 and Method 7470).

Following collection of each sample, the sampling location (i.e., global positioning system [GPS] coordinates) were estimated based on mapped locations in ArcGIS. Table 1 below summarizes soil samples collected during this Phase II ESA.

TABLE 1
SOIL SAMPLE SUMMARY
PINE LAWN, 6128 NATURAL BRIDGE ROAD, PINE LAWN, MISSOURI

Boring ID	Sample ID(s)	Depth Interval (ft bgs)	Latitude (°N)	Longitude (°W)	Analyses Performed
DPT-1	DPT-1-SO-(5.5-6.5)	5.5 – 6.5	38.689445	90.276443	VOCs, SVOCs, PCBs, TPH-GRO, TPH-DRO, TPH-ORO, and RCRA Metals (including mercury)
DPT-2	DPT-2-SO-(3-5)	3 - 5	38.689638	90.276164	
DPT-3	DPT-3-SO-(28-28.8)	28 – 28.8	38.689689	90.276405	
	DPT-3-SO-(28-28.8)-FD				
DPT-4	DPT-4-SO-(28-29)	28 - 29	38.689911	90.276486	
DPT-5	DPT-5-SO-(15-16)	15-16	38.689742	90.277013	
DPT-6	DPT-6-SO-(15-16)	15-16	38.689863	90.276857	

Notes:

DPT	Direct-push technology	PCB	Polychlorinated biphenyl
DRO	Diesel-range organics	RCRA	Resource Conservation and Recovery Act
FD	Field duplicate	SO	Soil
ft bgs	Feet below ground surface	SVOC	Semivolatile organic compound
GRO	Gasoline-range organics	TPH	Total petroleum hydrocarbons
ORO	Oil-range organics	VOC	Volatile organic compound

3.2.3 Groundwater Sampling

The Toeroek Team was to collect groundwater samples at locations collocated with the six soil samples; however, groundwater was not encountered at DPT-1, DPT-3, and DPT-4. Groundwater samples were collected at boring locations, DPT-2, DPT-5, and DPT-6. Groundwater was encountered at approximately 15 to 24 feet bgs.

Samples were collected by use of a Geoprobe Screen Point 16 sampling apparatus containing a reusable, 4-foot-long, stainless steel screen. After deployment of the screen at the bottom of the boring, about 1 gallon of water was purged through disposable polyethylene tubing using a check valve placed at the bottom of the tubing. Samples for analysis for low-level VOCs (including TPH-GRO) via SW-846 Method 8260 were collected into five 40-mL vials preserved with hydrochloric acid (HCl). Samples for SVOCs, PCBs, TPH-DRO, and TPH-ORO analyses (via SW-846 Method 8270 and Method 8082) were collected in six unpreserved 1-liter (L) amber glass bottles. Samples for analyses for RCRA metals (via SW-846 Method 6020 and Method 7470) were collected in two 250-mL containers (one for analysis for total metals and one for analysis for dissolved metals) and preserved with nitric acid (HNO₃) to a pH less than 2. Samples for dissolved metals analysis were filtered in the field through a 0.45-micrometer filter.

Following collection of each sample, the sampling location (i.e., GPS coordinates) was recorded in the Site logbook. Table 2 below summarizes groundwater samples collected during this Phase II ESA.

TABLE 2
GROUNDWATER SAMPLE SUMMARY
PINE LAWN, 6128 NATURAL BRIDGE ROAD, PINE LAWN, MISSOURI

Boring ID	Sample ID(s)	Latitude(°N)	Longitude(°W)	Analyses Performed
DPT-2	DPT-2-GW-(24-29)	38.689638	90.276164	VOCs, SVOCs, PCBs, TPH-GRO, TPH-DRO, TPH-ORO, and total and dissolved RCRA Metals (including mercury)
DPT-5	DPT-5-GW-(15-20)	38.689742	90.277013	
DPT-6	DPT-6-GW-(15-20)	38.689863	90.276857	

Notes:

DPT Direct-push technology
DRO Diesel-range organics
ft bgs Feet below ground surface
GRO Gasoline-range organics
GW Groundwater
ORO Oil-range organics

PCB Polychlorinated biphenyl
RCRA Resource Conservation and Recovery Act
SVOC Semivolatile organic compound
TPH Total petroleum hydrocarbons
VOC Volatile organic compound

3.2.4 Quality Control Sampling

The Pine Lawn project included six properties that were sampled sequentially during the same week of field work. The samples were packed into coolers together and not separated by site; therefore, the quality control (QC) samples apply to all of the six Pine Lawn sites sampled for this project. Field QC sampling for the entire Pine Lawn investigation included 11 laboratory-supplied aqueous trip blanks (seven included with the soil samples and four included with the groundwater samples), five field blanks, and one equipment rinsate sample. The trip blanks, field blanks, and equipment rinsate sample were associated with not only the subject property, but also the other Pine Lawn addresses included in the overall investigation (4311 and 4315 Jennings Station Road and 6109, 6261, 6305, and 6310 Natural Bridge Road). Pace analyzed the trip blanks for VOCs. The field blanks and the equipment rinsate sample were analyzed for VOCs, SVOCs, PCBs, TPH-GRO, TPH-DRO, TPH-ORO, and total and dissolved RCRA metals (including mercury). Analytical data from the trip blanks were referenced to determine whether contamination had been introduced during transportation of containers and samples. Analytical data from the field blanks were used to evaluate contamination of sampling containers or sample preservatives, and to assess contamination potentially introduced during sampling and laboratory procedures. Analytical data from the equipment rinsate sample were used to determine whether decontamination of equipment after sampling had been effective, and whether cross-contamination had occurred.

One soil duplicate was collected to determine total method precision. Analytical results from field duplicate samples were used to calculate the relative percent difference (RPD) between the duplicate pair results for each detected analyte. RPDs are used for informational purposes only. Analytical accuracy of the data is determined via analysis of laboratory-prepared spikes and duplicates. Calculated RPDs are included in the applicable data validation reports in Appendix D.

4.0 EVALUATION AND PRESENTATION OF RESULTS

The following sections present results from the GPR survey and analytical data from soil and groundwater samples collected during the Phase II ESA. Soil sample results from this ESA were compared to EPA Regional Screening Levels (RSLs) for residential and industrial exposure using a target hazard quotient of 0.1 (EPA 2020), Missouri Risk-based Corrective Action (MRBCA) Lowest Default Target Levels (LDTLs), and Tier 1 Risk-based Target Levels (RBTLs) for Type 3 (clayey) subsurface soils (MDNR 2006). LDTLs are the lowest regulatory threshold for any use or exposure route, including ingestion, and assuming any soil type. The Tier 1 RBTLs are based on actual land use and site features, such as clay soils, that might reduce exposure risk, as from migration of organic vapors in soil. Metals results from soil samples were also compared to county average background concentrations to determine if detected metals are naturally occurring in the county (USGS 2020). If the concentration of a metal detected in a sample was less than or equal to the average background concentration (within the 1 standard deviation margin of error), it is considered to be naturally occurring. Analytical results from groundwater samples were compared to EPA Maximum Contaminant Levels (MCL) and to MRBCA LDTLs and Tier I RBTLs.

Some analytes were not detected but had reporting limits above their respective screening levels. As a result, the Toeroek Team was not able to confirm that each result was below the regulatory benchmarks. However, detection limits for contaminants of concern based on RECs (metals, VOCs and SVOCs related to fuel storage; VOCs related to automotive repair; common industrial solvents; and TPHs) were below their respective screening levels.

Copies of analytical data packages and the data validation report are in Appendix D.

4.1 GPR SURVEY

Toeroek Team subcontractor EWI conducted an integrated geophysical survey using multi-phase GPR. A GPR antenna and an electromagnetic pipe and cable locator were utilized for the survey of underground conditions. The entire subject property, approximately 40,000 square feet, was surveyed to an effective depth of approximately 6 to 8 feet bgs. Real-time active scanning methods were applied to locate possibly present USTs within the designated scan areas.

EWI marked minor anomalies throughout the former building footprint and an area where detection of an underground anomaly was suggestive of the possible presence of a UST on the northwestern portion of the subject property (Figure 2).

4.2 SUBSURFACE SOIL SAMPLES

Six subsurface soil samples were collected (including one field duplicate) at six locations to assess impacts on soil from historical and current site activities. Soil samples were submitted to Pace for VOCs, SVOCs, PCBs, TPH-GRO, TPH-DRO, TPH-ORO, and RCRA metals including mercury, analyses.

VOCs

The laboratory detected acetone, a common laboratory contaminant, in subsurface soil samples DPT-1-SO-(5.5-6.5), DPT-2-SO-(3-5), and DPT-5-SO-(15-16), with no detected concentration exceeding the MRBCA LDTL or the EPA RSLs. Additionally, analytes 1,2,4-trimethylbenzene, 2-butanone (methyl ethyl ketone or MEK), and carbon disulfide were detected in subsurface soil sample DPT-2-SO-(3-5), with no detected concentration exceeding its respective MRBCA LDTL or EPA RSLs. Table 3 lists all VOC detections in subsurface soil.

TABLE 3

**DETECTED VOC RESULTS FROM SUBSURFACE SOIL SAMPLES
PINE LAWN, 6128 NATURAL BRIDGE ROAD, PINE LAWN, MISSOURI**

Sample Location	1,2,4-Trimethylbenzene	2-Butanone (MEK)	Acetone	Carbon Disulfide
	MRBCA LDTL			
	3,930	7,300	4,200	6,260
	EPA RSL (Residential Soil)			
	30,000	2,700,000	6,100,000	77,000
	EPA RSL (Industrial Soil)			
	180,000	19,000,000	67,000,000	350,000
DPT-1-SO-(5.5-6.5)	<2.7	<5.4	15.3	<2.7
DPT-2-SO-(3-5)	4.6	9.1	53.1	5.1
DPT-5-SO-(15-16)	<3.8	<7.6	25.2	<3.8

Notes:

All values are in micrograms per kilogram

DPT Direct-push technology
EPA U.S. Environmental Protection Agency
LDTL Lowest Default Target Level
MRBCA Missouri Risk-based Corrective Action
RSL Regional Screening Level
SO Soil

SVOCs

No SVOC was detected at concentration above a laboratory reporting limit in any soil sample.

PCBs

No PCBs were detected at concentration above a laboratory reporting limit in any soil sample.

TPH

TPH-DRO was detected in subsurface soil at levels exceeding both the EPA residential and industrial RSL in sample DPT-1-SO-(5.5-6.5) and the EPA residential RSL in sample DPT-2-SO-(3-5). TPH-ORO was also detected in both of these samples but not at levels exceeding any regulatory benchmark. Additionally, TPH-GRO was detected in subsurface soil sample DPT-1-SO-(5.5-6.5), but not at a concentration exceeding a regulatory benchmark. Table 4 lists all TPH detections in subsurface soil.

TABLE 4

**DETECTED TPH RESULTS FROM SUBSURFACE SOIL SAMPLES
PINE LAWN, 6128 NATURAL BRIDGE ROAD, PINE LAWN, MISSOURI**

Sample Location	TPH-DRO	TPH-GRO	TPH-ORO
	MRBCA LDTL		
	4,150	385	124,000
	EPA RSL (Residential Soil)		
	9.7	8.2	240
	EPA RSL (Industrial Soil)		
	56	42	3,000
DPT-1-SO-(5.5-6.5)	79.7	0.71	150
DPT-2-SO-(3-5)	51.4	<0.43	83.6

Notes:

All values are in micrograms per kilogram.

Green highlight indicates concentration exceeds EPA residential RSL. Gold highlight indicates concentration exceeds EPA industrial RSL.

DPT	Direct-push technology	ORO	Oil-range organics
EPA	U.S. Environmental Protection Agency	RSL	Regional Screening Level
LDTL	Lowest Default Target Level	TPH	Total petroleum hydrocarbons
MRBCA	Missouri Risk-based Corrective Action		

Metals

Metals were detected in all subsurface soil samples. Arsenic was detected at levels exceeding the MRBCA LDTL and both the EPA residential and industrial RSLs in samples DPT-1-SO-(5.5-6.5), DPT-2-SO-(3-5), DPT-3-SO-(28-28.8), DPT-5-SO-(15-16), and DPT-6-SO-(15-16) and exceeding the EPA residential RSL in the duplicate sample DPT-3-SO-(28-28.8). Arsenic was not detected above the laboratory reporting limit for sample DPT-4-SO-(28-29) but the reporting limit was above the residential RSL. No arsenic detection or reporting limit exceeded the average background concentration of arsenic in St. Louis County. Lead was detected in subsurface samples DPT-1-SO-(5.5-6.5), DPT-2-SO-(3-5), DPT-3-SO-(28-28.8) (duplicate),

DPT-5-SO-(15-16), and DPT-6-SO-(15-16) at levels exceeding the MRBCA LDTL. Of these exceedances, only lead in samples DPT-1-SO-(5.5-6.5) and DPT-2-SO-(3-5) exceeded the average background concentration of lead in St. Louis County; however, both concentrations were within the standard deviation for lead in St. Louis County (USGS 2020). LDTLs for metals in soil are based on either protection of groundwater as a drinking water source (lead) and on direct dermal contact (arsenic). RBTLs for subsurface soil are based on risk from migration of organic vapors. No metal was detected at a concentration that exceeded its residential RBTL, based on the observed soil type (clayey) and the likely exposure pathway (migration of vapors). Mercury was detected in subsurface samples DPT-1-SO-(5.5-6.5) at a concentration above the average background concentration for St. Louis County, but below the MRBCA LDTL. As a result, the Toeroek Team concluded that detected metals were consistent with background concentrations. Table 5 lists metals detections in subsurface soil, and exceedances are bolded or italicized.

TABLE 5

**DETECTED METALS RESULTS FROM SUBSURFACE SOIL SAMPLES
PINE LAWN, 6128 NATURAL BRIDGE ROAD, PINE LAWN, MISSOURI**

Sample Location	Arsenic	Barium	Chromium	Lead	Mercury	Silver
	MRBCA LDTL					
	3.89	2,040	74,600	3.74	2.19	16.2
	MRBCA RBTL (Residential Land Use Subsurface Clayey Soils)					
	NE	NE	NE	260	7.11	NE
	EPA RSL (Residential Soil)					
	0.68	1,500	NE	400	1.1	39
	EPA RSL (Industrial Soil)					
	3	22,000	NE	800	4.6	580
	USGS St. Louis County Average (USGS 2020)					
	10.561	NE	NE	40.95	0.028	NE
DPT-1-SO-(5.5-6.5)	7.2	151	18.2	44.9	0.08	<0.74
DPT-2-SO-(3-5)	5.3	179	15.5	48.7	<0.05	<0.82
DPT-3-SO-(28-28.8)	4.1	103	85.1	2.7	<0.054	<1.7
DPT-3-SO-(28-28.8) duplicate	1.6	55.9 J+	42.6	4.7	<0.051	<0.61
DPT-4-SO-(28-29)	<1.1	49.7 J+	50.8	3.2	<0.045	0.83
DPT-5-SO-(15-16)	6.3	205	19.1	11.4	<0.055	<0.85
DPT-6-SO-(15-16)	9.9	123	33.7	11.1	<0.046	<0.57

Notes:

All values are in milligrams per kilogram.

Italic font indicates the concentration exceeds the LDTL. Bold font indicates the concentration exceeds the county average concentration. Green highlight indicates concentration exceeds EPA residential RSL. Gold highlight indicates concentration exceeds EPA industrial RSL.

DPT Direct-push technology
EPA U.S. Environmental Protection Agency

NE Not Established
RBTL Risk-based Target Level

J+	Estimated result. The actual concentration may be lower than reported.	RSL	Regional Screening Level
MRBCA	Missouri Risk-based Corrective Action	SO	Soil
LDTL	Lowest Default Target Level	USGS	U.S. Geological Survey

4.3 GROUNDWATER SAMPLES

A groundwater sample was collected at each of three locations; DPT-2-GW-(24-29), DPT-5-GW-(15-20), and DPT-6-GW-(15-20) to assess impacts from historical and current site activities. Groundwater samples were submitted to Pace for analyses for VOCs, SVOCs, PCBs, TPH-GRO, TPH-DRO, TPH-ORO, and RCRA metals including mercury.

VOCs

The VOC *cis*-1,2-dichloroethene (DCE) was detected in groundwater sample DPT-6-GW-(15-20) at a concentration of 2.5 micrograms per liter (µg/L), which is below the EPA MCL and MRBCA LDTL of 70 µg/L. No other VOC was detected in groundwater.

SVOCs

No SVOC was detected at concentration above a laboratory reporting limit in any groundwater sample.

PCB

No PCBs were detected at concentration above a laboratory reporting limit in any groundwater sample.

TPH

No TPH was detected at concentration above a laboratory reporting limit in any groundwater sample.

Metals

Several metals were detected in all DPT groundwater samples. Results from total metals analysis indicated levels of naturally occurring arsenic, barium, cadmium, chromium, and lead that exceeded the EPA MCL or MRBCA LDTL. However, concentrations of metals in the unfiltered (total) metals samples were much higher than those in the filtered (dissolved) metals samples, suggesting that the bulk of the metals detected in the total metals samples were from suspended sediment in the sample.

Results from the dissolved metals analysis indicated concentrations of dissolved arsenic in DPT-5-GW-(15-20) exceeded the 10 µg/L LDTL. LDTLs for metals in groundwater are based on drinking water, except for the LDTL for mercury, which is based on inhalation. Because groundwater is not used as a drinking water source in Pine Lawn (see Section 2.2.2), the RBTLs used for groundwater for metals in Table 6 are based on the risk from dermal contact or inhalation (mercury only). No total or dissolved metal

was detected at a concentration that exceeded its MRBCA residential RBTL. Table 6 lists all metals detections in groundwater.

TABLE 6

**DETECTED METALS RESULTS FROM GROUNDWATER SAMPLES
PINE LAWN, 6128 NATURAL BRIDGE ROAD, PINE LAWN, MISSOURI**

Sample Location	Arsenic	Barium	Cadmium	Chromium	Lead	Mercury
	EPA MCL					
	10	2,000	5	100	15	2
	MRBCA LDTL					
	10	2,000	5	100	15	50.7
	MRBCA RBTL (Residential Land Use Soil Type Clayey)					
	158	1,120,000	625	8,380,000*	NE	145**
Total Metals						
DPT-2-GW-(24-29)	64.2	1,350	<5	149	324	<0.2
DPT-5-GW-(15-20)	74.4	2,200	5.4	182	438	0.61
DPT-6-GW-(15-20)	32.7	490	<5	52.5	91.1	<0.2
Dissolved Metals						
DPT-2-GW-(24-29)	<10	305	<5	<5	<10	<0.2
DPT-5-GW-(15-20)	12.9	213	<5	<5	<10	<0.2
DPT-6-GW-(15-20)	<10	267	<5	<5	<10	<0.2

Notes:

All values are in micrograms per liter.

Italic font indicates the concentration exceeds the LDTL.

* Target Level based on total chromium.

** Target Level based on inhalation.

DPT Direct-push technology

EPA U.S. Environmental Protection Agency

GW Groundwater

LDTL Lowest Default Target Level

MCL Maximum Contaminant Level

MRBCA Missouri Risk-based Corrective Action

NE Not established

RBTL Risk-based Target Level

4.4 QUALITY CONTROL SAMPLES

The Pine Lawn project included six properties that were sampled sequentially during the same week of field work. The samples were packed into coolers together and not separated by site; therefore, the QC samples apply to each of the six Pine Lawn sites sampled for this project. Eleven trip blanks were included in the Phase II ESA to determine whether contamination was introduced during transportation of containers and samples. Five field blanks were collected to evaluate contamination of sampling containers and/or preservatives, and to assess contamination potentially introduced during sampling and laboratory procedures. One equipment rinsate sample was collected to assess procedures used to decontaminate DPT groundwater sampling equipment. The trip blanks, field blanks, and equipment rinsate sample were

associated with not only the subject property, but also the other Pine Lawn addresses included in the overall investigation (4311 and 4315 Jennings Station Road and 6109, 6261, 6305, and 6310 Natural Bridge Road). Pace analyzed the trip blanks for VOCs. The field blanks and the equipment rinsate sample were analyzed for VOCs, SVOCs, PCBs, TPH-GRO, TPH-DRO, TPH-ORO, and total and dissolved RCRA metals (including mercury).

Toluene was detected in all seven trip blanks included with soil samples at concentrations ranging from 8.1 to 9.5 mg/kg; however, toluene was not detected in any sample collected at the subject property. Toluene is a common solvent and may have been introduced to the blank at the laboratory. No other VOCs were detected in any of the trip blanks. Barium was detected in one of the field blanks at 10.2 micrograms per liter ($\mu\text{g/L}$), suggesting that some barium may have been added to samples as a result of cross-contamination from field equipment. As a result, concentrations of barium detected in samples collected from the subject property may be biased high; that is, the concentration of barium in the sample may actually be lower than reported due to the contribution from cross-contamination. Because concentrations of barium did not exceed LDTLs, the detection of barium in the field blank does not impact the conclusions of this report. No other VOCs, SVOCs, PCBs, TPH, or metals were detected in any field blank samples. No VOCs, SVOCs, PCBs, TPH, or metals were detected in the equipment rinsate sample.

One duplicate soil sample was collected to determine total method precision. The RPDs are used for informational purposes only. Calculated RPDs are included in the applicable data validation reports in Appendix D.

5.0 DISCUSSION OF SIGNIFICANT FINDINGS AND CONCLUSIONS

This section summarizes significant findings and offers conclusions regarding Phase II ESA field activities. A property profile form pertaining to the subject property is in Appendix E.

5.1 GPR SURVEY

Toeroek Team subcontractor EWI conducted an integrated geophysical survey using multi-phase GPR. A GPR antenna and an electromagnetic pipe and cable locator were utilized for the survey of underground conditions. The entire subject property, approximately 40,000 square feet, was surveyed to an effective depth of approximately 6 to 8 feet bgs. Real-time active scanning methods were applied to locate possibly present USTs within the designated scan areas.

EWI marked minor anomalies throughout the former building footprint and an area where detection of an underground anomaly was suggestive of the possible presence of a UST on the northwestern portion of the subject property (Figure 2).

5.2 SUBSURFACE SOIL

No VOCs, SVOCs, or PCBs were detected at concentrations above their MRBCA LDTLs or EPA RSLs. The laboratory detected acetone, a common laboratory contaminant, in subsurface soil samples DPT-1-SO-(5.5-6.5), DPT-2-SO-(3-5), and DPT-5-SO-(15-16), with no detected concentration exceeding a regulatory benchmark. Additionally, 1,2,4-trimethylbenzene, MEK, and carbon disulfide were detected in subsurface soil sample DPT-2-SO-(3-5), with no detected concentration exceeding a regulatory benchmark. No SVOCs or PCBs were detected at concentrations above a laboratory reporting limit in any soil sample.

TPH-DRO was detected at levels exceeding EPA residential and industrial RSLs. TPH-DRO was detected in subsurface soil at levels exceeding both the EPA residential and industrial RSL in sample DPT-1-SO-(5.5-6.5) and the EPA residential RSL in sample DPT-2-SO-(3-5). TPH-ORO was also detected in both of these samples but not at levels exceeding a regulatory benchmark. Additionally, TPH-GRO was detected in subsurface soil sample DPT-1-SO-(5.5-6.5), but not at a concentration exceeding a regulatory benchmark.

Metals were detected in all subsurface soil samples, but at concentrations consistent with average background concentrations for St. Louis County. No metal was detected at a concentration that exceeded its residential RBTL. Arsenic was detected at levels exceeding the MRBCA LDTL and both the EPA residential and industrial RSLs in samples DPT-1-SO-(5.5-6.5), DPT-2-SO-(3-5), DPT-3-SO-(28-28.8),

DPT-5-SO-(15-16), and DPT-6-SO-(15-16) and exceeding the EPA residential RSL in the duplicate sample DPT-3-SO-(28-28.8). Arsenic was not detected above the laboratory reporting limit for sample DPT-4-SO-(28-29) but the reporting limit was above the residential RSL. No arsenic detection or reporting limit exceeded the average background concentration of arsenic in St. Louis County. Lead was detected in subsurface samples DPT-1-SO-(5.5-6.5), DPT-2-SO-(3-5), DPT-3-SO-(28-28.8) (duplicate), DPT-5-SO-(15-16), and DPT-6-SO-(15-16) at levels exceeding the MRBCA LDTL. Of these exceedances, only lead in samples DPT-1-SO-(5.5-6.5) and DPT-2-SO-(3-5) exceeded the average background concentration of lead in St. Louis County; however, both concentrations were within the standard deviation for lead in St. Louis County (USGS 2020). Mercury was detected in subsurface samples DPT-1-SO-(5.5-6.5) at a concentration above the average background concentration for St. Louis County, but below the MRBCA LDTL. No metal was detected at a concentration that exceeded its residential RBTL. As a result, the Toeroek Team concluded that detected metals were consistent with background concentrations.

5.3 GROUNDWATER

The VOC *cis*-1,2-DCE was detected in groundwater sample DPT-6-GW-(15-20) but at levels below EPA MCL and MRBCA LDTL. No SVOCs, PCBs, or TPH were detected at concentrations above laboratory reporting limits in any groundwater samples.

Several metals were detected in all DPT groundwater samples. Results from total metals analysis indicated levels of naturally occurring arsenic, barium, cadmium, chromium, and lead that exceeded regulatory benchmarks. Results from the dissolved metals analysis indicated concentration of dissolved arsenic in DPT-5-GW-(15-20) exceeding the 10 µg/L LDTL. However, the concentration was below the residential RBTL for dermal contact for arsenic. No total or dissolved metal was detected at concentration that exceeded its residential RBTL.

5.4 EVALUATION OF PREVIOUSLY IDENTIFIED RECS

This section discusses and evaluates the previously identified RECs reported in the July 2019 Phase I ESA (Terracon 2019). The VOCs 1,2,4-trimethylbenzene and MEK and petroleum hydrocarbons were present in subsurface soil, suggesting some minor impact from auto servicing activities at the subject property. Detections of TPH-DRO exceeded both EPA residential and industrial RSLs but did not exceed the MRBCA LDTL. Based on results of soil and groundwater sampling, the subject property does not appear to have been impacted from historical auto servicing activities at the subject property; nor does the subject property appear to have been impacted from historical auto servicing operations at nearby properties.

Cis-1,2-DCE is a degradation product of the dry cleaning solvent PCE, so historical use of the adjacent property to the north as a dry-cleaning operation may have exerted a minor impact on the subject property based on low-level detections at DPT-6-GW (15-20).

5.5 AFFECTED MEDIA

Sampling results during this Phase II ESA indicated presence of VOCs, TPH, and metals in soil and groundwater at the subject property. Some metals concentrations exceeded LDTLs in soil and groundwater, which largely related to protection of groundwater or use of groundwater as a drinking water source. Moreover, concentrations of metals were consistent with background concentrations for St. Louis County. Groundwater is not used as a drinking water source in Pine Lawn (see Section 2.2.2).

None of the constituents detected in subsurface soil exceeded a residential RBTL, based on the observed soil type (clayey) and the likely exposure pathway (migration of vapors). None of the constituents detected in groundwater exceeded a residential RBTL, based on the observed soil type (clayey) and the likely exposure pathways (dermal contact for metals and migration of vapors for other constituents). MRBCA RBTLs are the cleanup levels in place for the MDNR Brownfields/Voluntary Cleanup Program.

The current owner of the subject property, City of Pine Lawn, is interested in developing the parcel for commercial purposes dependent on the findings from this Phase II ESA. The subject property in the northwestern suburbs of St. Louis, Missouri, is surrounded by single-family residential properties and commercial businesses. Based on analytical results from subsurface soil and given the planned commercial development of the subject property, further investigation and/or remediation does not appear warranted. If soil is to be disturbed during redevelopment, a soil management plan may be required to protect construction or utility workers.

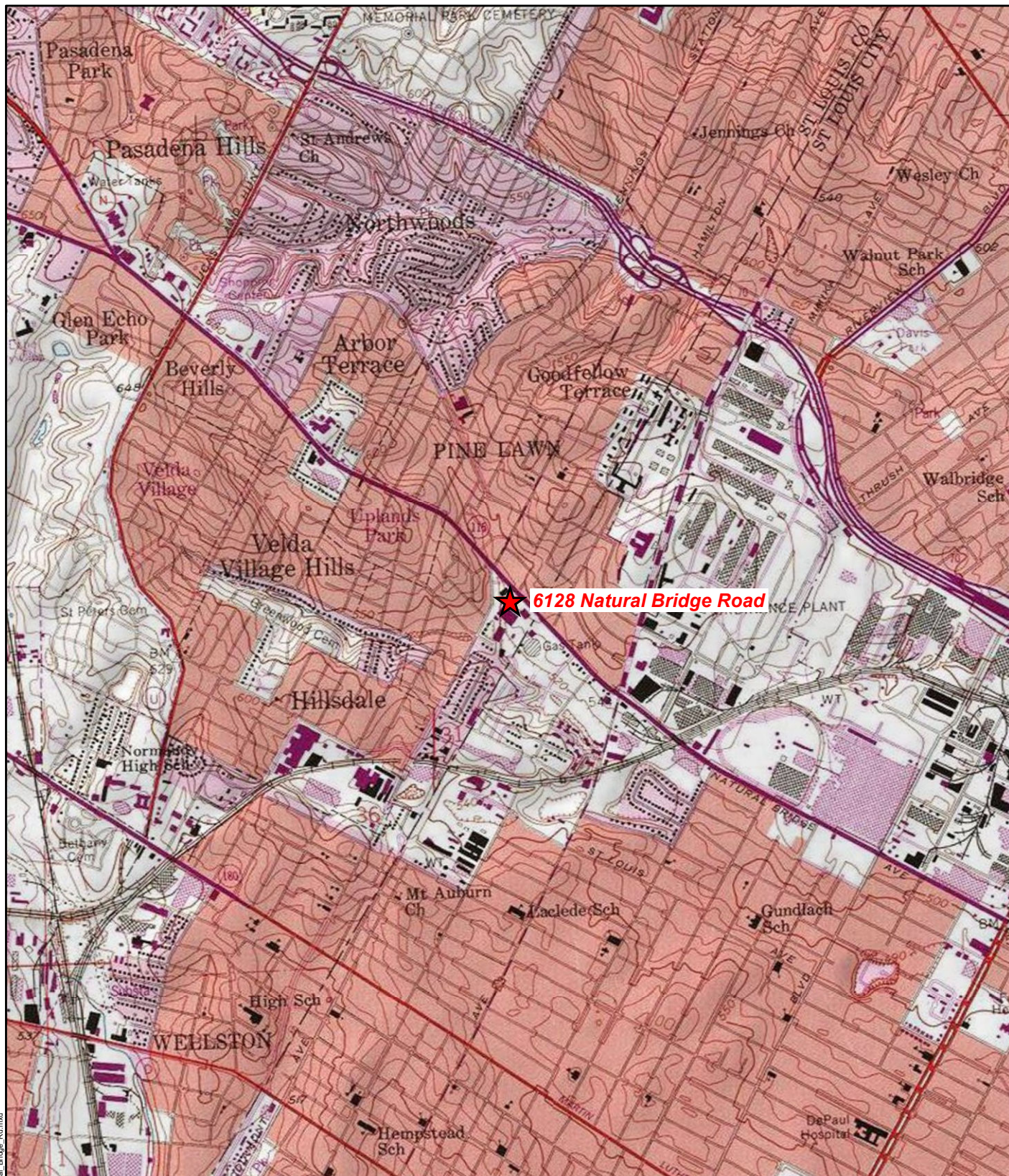
Consideration should also be given to conclusively locating USTs through more detailed geophysical surveys with GPR or magnetometry and removing any USTs that are located prior to redevelopment of the subject property, as these may be an ongoing source of contamination or a potential new source of contamination if USTs are ruptured. Removal of USTs and contamination in subsurface soil may prevent migration of contaminants to groundwater.

6.0 REFERENCES

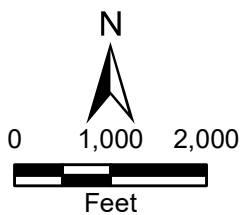
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APPENDIX A

FIGURES



St. Louis County



Pine Lawn
6128 Natural Bridge Road
Pine Lawn, Missouri

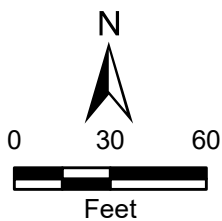
Figure 1
Site Location Map





Legend

- DPT soil sample location
- DPT soil/groundwater
- Approximate site boundary
- Possible underground object
- DPT Direct push technology



Pine Lawn
6128 Natural Bridge Road
Pine Lawn, Missouri

Figure 2 Sample Location Map



Date: 10/13/2020

Drawn By: Nick Wiederholt

Project No: 103G65210190.02.03.07

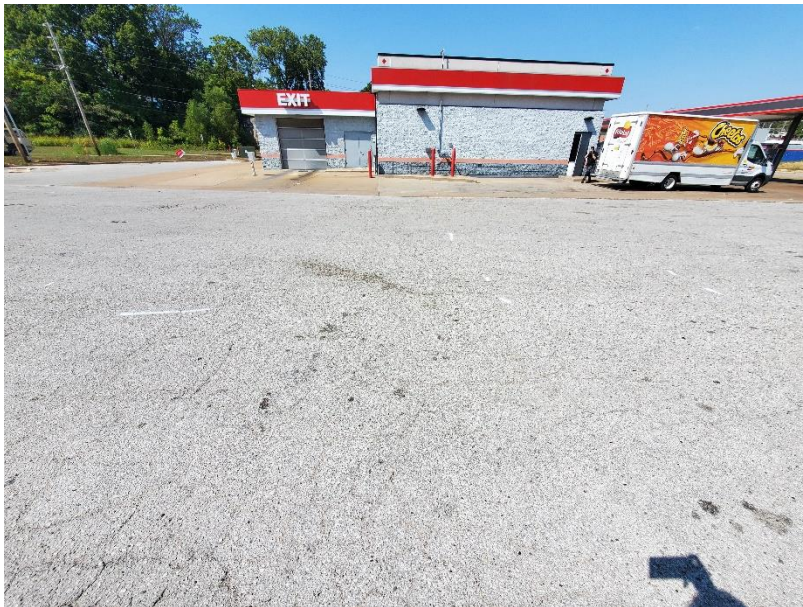
APPENDIX B

PHOTOGRAPHIC DOCUMENTATION

**Phase II Targeted Brownfields Assessment
6128 Natural Bridge Road – Pine Lawn, Missouri**



SUBTASK NO. 02.03.07 DIRECTION: Northwest	DESCRIPTION	This photograph shows the front of the 6128 Natural Bridge Road (NBR) site (the site).	1
	CLIENT	U.S. Environmental Protection Agency (EPA)	DATE 9/21/2020
	PHOTOGRAPHER	Stephanie Caples	

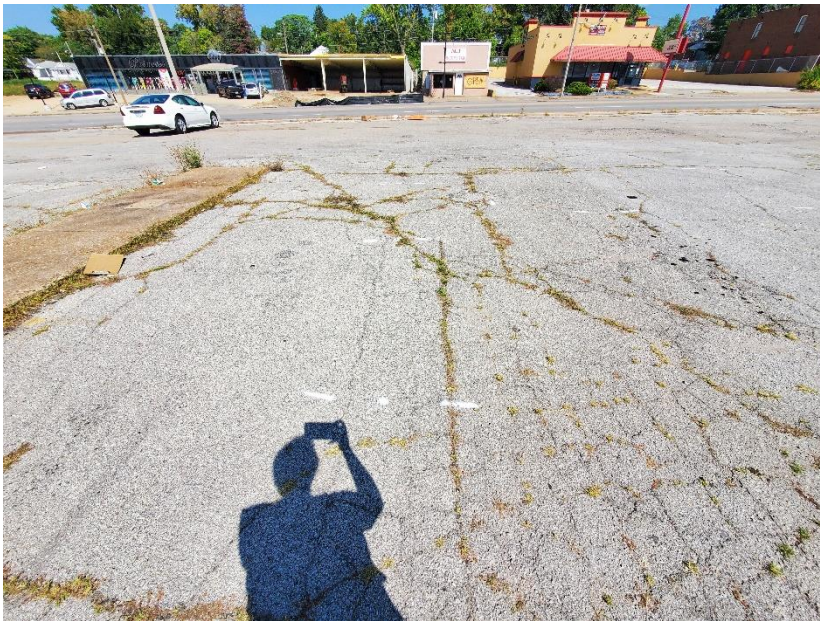


SUBTASK NO. 02.03.07 DIRECTION: Northwest	DESCRIPTION	This photograph shows the northwest portion of the site where the ground penetrating radar (GPR) survey identified a possibly present underground storage tank (UST).	2
	CLIENT	EPA	DATE 9/21/2020
	PHOTOGRAPHER	Stephanie Caples	

**Phase II Targeted Brownfields Assessment
6128 Natural Bridge Road – Pine Lawn, Missouri**



SUBTASK NO. 02.03.07 DIRECTION: Northwest	DESCRIPTION	This photograph shows another view of the northwest portion of the site where the GPR survey identified a possibly present UST.	3
	CLIENT	EPA	DATE 9/21/2020
	PHOTOGRAPHER	Stephanie Caples	



SUBTASK NO. 02.03.07 DIRECTION: Northeast	DESCRIPTION	This photograph shows the northeast-central portion of the site where several anomalies were detected during the GPR survey.	4
	CLIENT	EPA	DATE 9/21/2020
	PHOTOGRAPHER	Stephanie Caples	

**Phase II Targeted Brownfields Assessment
6128 Natural Bridge Road – Pine Lawn, Missouri**



SUBTASK NO. 02.03.07 DIRECTION: South	DESCRIPTION	This photograph shows soil boring (SB) direct-push technology (DPT)-1 drilled at the southeast side of the site.	5
	CLIENT	EPA	DATE 9/21/2020
	PHOTOGRAPHER	Stephanie Caples	



SUBTASK NO. 02.03.07 DIRECTION: NA	DESCRIPTION	This photograph shows a soil core from SB DPT-1 within 0-5 feet (ft) below ground surface (bgs).	6
	CLIENT	EPA	DATE 9/21/2020
	PHOTOGRAPHER	Stephanie Caples	

**Phase II Targeted Brownfields Assessment
6128 Natural Bridge Road – Pine Lawn, Missouri**



<p>SUBTASK NO. 02.03.07 DIRECTION: NA</p>	DESCRIPTION	This photograph shows a soil core from SB DPT-1 within 5-10 ft bgs. The photoionization detector (PID) indicated 125 parts per million (ppm) of organic vapors at 6 ft bgs.	7
	CLIENT	EPA	<p>DATE 9/21/2020</p>
	PHOTOGRAPHER	Stephanie Caples	



<p>SUBTASK NO. 02.03.07 DIRECTION: NA</p>	DESCRIPTION	This photograph shows a soil core from SB DPT-1 within 25-28.8 ft bgs.	8
	CLIENT	EPA	<p>DATE 9/21/2020</p>
	PHOTOGRAPHER	Stephanie Caples	

**Phase II Targeted Brownfields Assessment
6128 Natural Bridge Road – Pine Lawn, Missouri**



SUBTASK NO. 02.03.07 DIRECTION: Notheast	DESCRIPTION	This photograph shows SB DPT-2 drilled in the eastern portion of the site.	9
	CLIENT	EPA	DATE 9/21/2020
	PHOTOGRAPHER	Stephanie Caples	



SUBTASK NO. 02.03.07 DIRECTION: NA	DESCRIPTION	This photograph shows a soil core from SB DPT-2 within 0-5 ft bgs.	10
	CLIENT	EPA	DATE 9/21/2020
	PHOTOGRAPHER	Stephanie Caples	

**Phase II Targeted Brownfields Assessment
6128 Natural Bridge Road – Pine Lawn, Missouri**



SUBTASK NO. 02.03.07 DIRECTION: NA	DESCRIPTION	This photograph shows a soil core from SB DPT-2 within 25-29 ft bgs.	11
	CLIENT	EPA	DATE 9/21/2020
	PHOTOGRAPHER	Stephanie Caples	



SUBTASK NO. 02.03.07 DIRECTION: Northeast	DESCRIPTION	This photograph shows SB DPT-3 drilled in the central portion of the site.	12
	CLIENT	EPA	DATE 9/21/2020
	PHOTOGRAPHER	Stephanie Caples	

**Phase II Targeted Brownfields Assessment
6128 Natural Bridge Road – Pine Lawn, Missouri**



SUBTASK NO. 02.03.07 DIRECTION: NA	DESCRIPTION	This photograph shows a soil core from SB DPT-3 within 0-5 ft bgs.	13
	CLIENT	EPA	DATE 9/21/2020
	PHOTOGRAPHER	Stephanie Caples	



SUBTASK NO. 02.03.07 DIRECTION: NA	DESCRIPTION	This photograph shows a soil core from SB DPT-3 within 25-28.5 ft bgs.	14
	CLIENT	EPA	DATE 9/21/2020
	PHOTOGRAPHER	Stephanie Caples	

**Phase II Targeted Brownfields Assessment
6128 Natural Bridge Road – Pine Lawn, Missouri**



SUBTASK NO. 02.03.07 DIRECTION: Northeast	DESCRIPTION	This photograph shows SB DPT-4 drilled in the north portion of the site.	15
	CLIENT	EPA	DATE 9/21/2020
	PHOTOGRAPHER	Stephanie Caples	



SUBTASK NO. 02.03.07 DIRECTION: NA	DESCRIPTION	This photograph shows a soil core from SB DPT-4 within 0-5 ft bgs.	16
	CLIENT	EPA	DATE 9/21/2020
	PHOTOGRAPHER	Stephanie Caples	

**Phase II Targeted Brownfields Assessment
6128 Natural Bridge Road – Pine Lawn, Missouri**



SUBTASK NO. 02.03.07 DIRECTION: NA	DESCRIPTION	This photograph shows a soil core from SB DPT-4 within 25-29 ft bgs.	17
	CLIENT	EPA	DATE 9/21/2020
	PHOTOGRAPHER	Stephanie Caples	



SUBTASK NO. 02.03.07 DIRECTION: North	DESCRIPTION	This photograph shows SB DPT-5 drilled in the western portion of the site.	18
	CLIENT	EPA	DATE 9/21/2020
	PHOTOGRAPHER	Stephanie Caples	

**Phase II Targeted Brownfields Assessment
6128 Natural Bridge Road – Pine Lawn, Missouri**



SUBTASK NO. 02.03.07 DIRECTION: NA	DESCRIPTION	This photograph shows a soil core from SB DPT-5 within 0-5 ft bgs.	19
	CLIENT	EPA	DATE 9/21/2020
	PHOTOGRAPHER	Stephanie Caples	



SUBTASK NO. 02.03.07 DIRECTION: NA	DESCRIPTION	This photograph shows a soil core from SB DPT-5 within 15-20 ft bgs.	20
	CLIENT	EPA	DATE 9/21/2020
	PHOTOGRAPHER	Stephanie Caples	

**Phase II Targeted Brownfields Assessment
6128 Natural Bridge Road – Pine Lawn, Missouri**



SUBTASK NO. 02.03.07 DIRECTION: North	DESCRIPTION	This photograph shows SB DPT-6 drilled in the northwest portion of the site in the area of the possibly present UST.	21
	CLIENT	EPA	DATE 9/22/2020
	PHOTOGRAPHER	Stephanie Caples	



SUBTASK NO. 02.03.07 DIRECTION: West-Southwest	DESCRIPTION	This photograph shows a different view of SB DPT-6 drilled in the northwest portion of the site in the area of the possibly present UST.	22
	CLIENT	EPA	DATE 9/22/2020
	PHOTOGRAPHER	Stephanie Caples	

**Phase II Targeted Brownfields Assessment
6128 Natural Bridge Road – Pine Lawn, Missouri**



SUBTASK NO. 02.03.07 DIRECTION: -	DESCRIPTION	This photograph shows a soil core from DPT-6 within 0-5 ft bgs.	23
	CLIENT	EPA	DATE 9/22/2020
	PHOTOGRAPHER	Stephanie Caples	



SUBTASK NO. 02.03.07 DIRECTION: -	DESCRIPTION	This photograph shows a soil core from SB DPT-6 within 15-20 ft bgs.	24
	CLIENT	EPA	DATE 9/22/2020
	PHOTOGRAPHER	Stephanie Caples	

APPENDIX C

SITE LOGBOOK AND SOIL BORING LOGS

9/21/20

- 0800 Stephanie Caples & Thomas Haley mobilizing to St. Louis for Pine Lawn Work. Weather: Sunny, high 77°.
- 1300 Arrived at the 6128 Natural Bridge Rd. Site. Met EWI Staff. GPR work completed during our mobilization (Except for interior GPR work).
- 1323 Reviewed GPR Surveyed area for this location. Some anomalies located throughout the former building footprint. A possible former UST location identified on the N-corner of the former lot near the current gas station (~18'x10').
- GPS: 38.689831 - 90.276864
- 1333 Began drilling DPT-1
GPS: 38.689443 - 90.276443
- 1411 Collected Sample

9/21/20

- DPT-1-SO-(5.5-6.5)!
Sample placed on ice immediately.
- 1412 Moved to DPT-2.
GPS: 38.689638 - 90.276164
- 1441 Moved to DPT-3.
GPS: 38.689689 - 90.276405
- 1520 Moved to DPT-4.
GPS: 38.689911 - 90.276486
- 1526 Collected Sample
DPT-2-SO-(3-5)
Sample placed on ice immediately.
- 1556 Moved to DPT-5.
GPS: 38.689704 - 90.276756
- 1606 Collected Sample
DPT-3-SO-(28-28.8)!
Samples placed on ice immediately.
- DPT-3-SO-(28-28.8)-FD!
- 1641 Collected Sample
DPT-4-SO-(28-29)!
Sample placed on ice immediately.
- 1700 Obstruction at ~15' bss at DPT-5. Offset ~5' & redrilled. Same obstruction found at same depth.

9/21/20

resulting in broken equipment
 could not offset to the
 east due to sewer line.
 Moving ~~the~~ boring to the proposed
 location closer to the
 gas station. ~~the~~ ^{will now be when}

Disturbed soils are
 located. DPT-5 new

GPS: 38.689742 - 90.27703

1710 Placed Soil trip blank in
 cooler: Pine Lawn-SO-TB1.

1740 Collected Sample

DPT-5-SO-(15-16).

Sample placed on ice
 immediately.

1752 Field Blank made & placed
 in cooler: Pine Lawn-FB1.

1812 Temporary Casing left
 down-hole in all borings.
 Top of Casing sawed off
 to ground surface &
 plugged. Will be allowed
 to recharge overnight
 & will sample GW in
 the morning.

1827 All wrapped up at one

9/21/20

Site. EWI departed.
 Headed to Pace Courier
 drop location.

1851 Dropped samples off at
 Courier.

1922 End of Day.

Done
 9/21/20

9/22/20

- 0730 Arrived on-site.
Weather partly cloudy,
high of 77°F.
- 0800 Site safety meeting.
- 0823 Moved to DPT-6:
GPS 38.459463 -90.274857
Cones set up around
geoprobe to block
traffic, set up
on top of the
area of GPR
ident. find disturbed
soils.
- 0910 Attempted to sample
GW from DPT-1
but well was dry.
Only ~25ml at bottom.
- 0925 Collected Sample
DPT-6-SO-(15-16).
Sample placed on ice
immediately.
- 0930 Collected sample DPT-6-GW-(15-20).
Sample placed on ice immediately.
Purged ~1 gal of water
prior to sampling.
- 1011 Collected sample #

9/22/20

- DPT-6-GW-(15-20).
Purged ~1 gal of
water prior to sampling.
Sample placed on ice immediately.
- 1023 DPT-2: Bailer dropped
down-hole. Attempting to
fish it out. Water is
available down-hole.
- 1058 DPT-3 is dry. Moving on.
- 1059 DPT-2 bailer retrieved
successfully. Will continue
to purge & attempt a
GW sample.
- 1102 Collected Sample
DPT-2-GW-(24-25).
Purged ~1 gal water
prior to sampling.
Sample placed on ice
immediately.
- 1120 DPT-4 was dry.
- 1145 Asphalt patched, borings
plugged. Headed to
6109 NBR.
- 1203 Conducted walk through
of area & an overview
of GPR work *Rite in the Rain*

9/22/10

conducted yesterday.
Several anomalies
noted (noted on map).
Nothing significant.

GPS: 38.689792 -90.275177
38.689658 -90.275113
38.689557 -90.275253

1208 Set up on DPT-7.

GPS: 38.689452 -90.275277

1218 Collected Sample

DPT-7-SO-(2-3).

Sample placed on ice immediately.

1255 Collected Sample

DPT-7-SO-(29-30).

Sample placed on ice
immediately.

1257 Moved to DPT-8.

GPS:

1305 Collected Field Blank.

Pine Lawn-FB2. Sample
placed on ice immediately.

1322 Trip blank added to
cooler w/ 6128 NBR
samples in them.

Pine Lawn-CW-TB2.

1336 Collected an Equipment

9/22/10

rinse blank from
a clean drill tip.

Pine Lawn ~~FB2~~ - RB.

1343 Trip blank added to
cooler.

Pine Lawn - ~~FB2~~ - TB3.

1345 Began drilling DPT-8.

GPS: 38.689606 -90.275264

1447 Collected Sample

DPT-8-SO-(29-30) &

DPT-8-SO-(25-30)-FD.

Samples placed on ice
immediately.

1457 Moved to DPT-9.

GPS: 38.689718 -90.275110

1546 Collected Sample

DPT-9-SO-(29-30).

Sample placed on ice
immediately.

1555 Moved to DPT-10.

GPS: 38.689539 -90.274985

1642 Collected Sample

DPT-10-SO-(29-30).

Sample placed on
ice immediately.

1710 Mobilizing to 6310 NBR.

9/22/20

~~Temp~~ Temp casing will be left in borings overnight to allow for recharge.

1730 Added soil TB to cooler
[Pine Lawn - SO - TBH].

1731 Began drilling DPT-11.
GPS: 38.692802 -90.279598

1735 Conducted GPR walk through of site. Several anomalies detected including a drain line, 4 disturbed areas, a brick foundation, and multiple lines running in various directions throughout the area.

GPS as follows in activity.

1741 Collected Sample
[DPT-11-SO-(2-3)].

Sample placed on ice immediately.

1751 Collected Sample
[DPT-11-SO-(12-13)]
based on high PFD reading (245.7 ppm) + odor & color.
Sample placed on ice immediately.

9/22/20

1817 EWI heading out.

1822 Collected Sample
[DPT-11-SO-(29-30)].
Sample placed on ice immediately.

1837 Departing site + heading to the Pace Courier drop off.

1858 Dropped off coolers at courier.

1927 End of day.

~~Site~~
9/22/20

9/23/20

- 0650 Arrived on-site at
6109 NBR to wrap up
GW Sampling.
Weather: Cloudy, high of 75°F
- 0700 Site Safety meeting.
- 0708 Attempting to sample
DPT-7 + DPT-8.
- 0716 DPT-8 is dry. DPT-7
is producing but not
much.
- 0718 Moved to DPT-9.
- 0720 DPT-7 is dry. Moving
to DPT-10.
- 0727 DPT-10 is dry.
- 0730 DPT-9 is dry. Produced
a little + ran dry
before 0.5 gal was pumped.
- 0732 Backfilling + patching
borings.
- 0811 Mobilized to 6310 NBR.
- 0828 Set up on DPT-12. Moved
boring a bit closer to
the road due to ~~power~~
overhead power line.
GPS: 38.692774 -90.279468
- 0841 Collected sample

9/23/20

- DPT-12-SO-(1-3).
High PFD reading +
strong petroleum odor.
- DPT-12-SO-(1-3)-FD.
Samples placed on ice
immediately.
- 0857 Moved to DPT-13.
GPS: 38.692713 -90.279602.
- 0911 Collected sample
DPT-12-SO-(5-6).
Sample placed on ice
immediately.
- 0935 Moved to DPT-14.
GPS: 38.692666 -90.279753
- 0937 Collected sample
DPT-12-SO-(27-28).
Sample placed on ice
immediately.
- 1011 Collected sample
DPT-13-SO-(29-30).
Sample placed on ice
immediately.
- 1026 Moved to DPT-15.
GPS: 38.692574 -90.279616
- 1050 Collected sample
DPT-14-SO-(13-14) *Note in the Rain.*

9/23/20

①

Sample placed on ice
immediately.

1057 Moved to DPT-16.

GPS: 38.692660 - 90.279470

1122 Collected Sample

DPT-15 - SO - (29-30).

Sample placed on ice
immediately.

1149 Collected Sample

DPT-16 - SO - (29-30).

Sample placed on ice
immediately.

1203 Bailing DPT-11 for a
GW Sample. Petroleum odor.

1215 collected samples

DPT-11 - GW - (25-30) L

DPT-11 - GW - (25-30) - FDI.

Purged ~1 gal of GW
prior to sampling.

The other borings will
be left to recharge
over night.

1255 Placed soil Trip blank

in Cooler. [Pine Lawn - SO - TBS].

1302 Anomalies + GPR Idea disturbed
at 0310 NBR:

②

9/23/20

GTPS:

D1) 38.692823 - 90.279620 ^{2'x2'} Square

D2) 38.692807 - 90.279508 4'x6'

D3) 38.692737 - 90.279582 6'x6'

D4) 38.692670 - 90.279624 6'x6'

1315 Handed to 6305 NBR
to scope out drilling
locations.

1353 Created daily field
blank. [Pine Lawn - FB3]

1355 Water trip blank
added to cooler.

[Pine Lawn - GW - TBS].

1359 Set up on DPT-17.

GPS:

1405 Conducting GPR in basement
of building. Only
accessible basement/
inner area is the
SE Building (see map notes).
All other Basement areas
cannot be drilled due
to low ceilings. ~~area~~
In the outside/parking
lot area, several
anomalies detected ~~in the~~ ^{in the} rain.

9/23/20
~~two~~ tanks identified.
 Tank 1 is in the South corner of the property bounds & is approximately 13' x 7' & can be identified by two patched over manways on either end. ~~Tank~~ Tank 2 is also in the South corner of the lot, N-E of Tank 1. Its dimensions are roughly the same, no visible manways, extends into grass & soil & hillside.

Tank 1 GPS:

38.693003 - 90.279300

38.693024 - 90.279280

38.693085 - 90.279326

38.693069 - 90.279345

Tank 2 GPS:

38.693060 - 90.279260

38.693097 - 90.279220

38.693125 - 90.279272

38.693096 - 90.279313

Only Anomalies, rebar reinforcement for the

9/23/20

basement, & a drain line leading to a sump found by GPR in basement accessible by geoprobe.

1500

moved to DPT-18.

GPS: 38.693114 - 90.279523

1522

Collected Sample

DPT-17-SU-(35)1.

Sample placed on ice immediately.

1532

Walked through the interior - post GPR UP on the main floor. Geoprobe could not get access due to low ceilings in some areas, small doorways, & no doors that we can open wide enough to gain entrance. (main door stuck open only a crack) would have to break down walls to get in. Floors very messy with junk all over them so GPR could not

9/23/20

get great readings in most areas. A basement line noted by stairwell. Nothing of note. There does not appear to be a basement in most of the building.

1552 Set up at DPT-19.

GPS: 38.693182 -90.279589

1611 Collected Sample

DPT-18-50-(29-30)

Sample placed on ice immediately.

1629 moved to DPT-20.

GPS: 38.692992 -90.279322

1638 collected Sample

DPT-19-50-(29-30)

Sample placed on ice immediately.

1703 Collected Sample

DPT-20-50-(10-11)

based on PID & Petroleum odor. Sample placed on ice immediately.

1707 Moved to DPT-21.

GPS: 38.693097 -90.279329

9/23/20

1710 Found edge of Tank bed in first post, offset ~2 ft to the North.

1745 Collected Sample

DPT-21-50-(15-16) &Ⓢ DPT-21-50-(15-16)-FD

Samples selected for high PID reading & strong petroleum odor. Samples placed on ice immediately. Packing up. Will leave temp wells screened & capped overnight to sample tomorrow & allow for recharge.

1807 Added new ~~TR~~ TB To Cooler: Pine Lawn-50-TB7

1830 Departing Site & heading for the Pace courier drop location.

1845 Dropped off Samples at Courier.

1920 End of Day.

SC

9/23/20

Rite in the Rain

9/24/20

- 0637 Arrived on site.
 0700 Site safety meeting.
 Weather: Sunny, high 80°F.
- 0716 Set up an ~~1~~ DPT-22.
 GPS: 38.693147 -90.279241
- 0740 Collected Sample
DPT-22-SO-(0-3).
 Sample placed on ice immediately.
- 0759 Collected Sample
DPT-22-SO-(17-18).
 High PID reading + strong petroleum odor.
 Sample placed on ice immediately.
- 0829 Made up daily field blank Pine Lawn-FB4.
 Placed on ice immediately.
- 0830 Placed Soil Trip Blank in cooler Pine Lawn-SO-TB8.
- 0838 Moving to DPT-23.
 GPS: 38.693338 -90.279000
- 0852 Encountering clearance problems w/ fully extended mast in basement area.
 Extension removed, but

9/24/20

- Still not enough clearance to be comfortable with sampling at the SE corner of the building. There appears to be a lower area near the door to the basement. We will move to this location + see if we can get the clearance we need to not damage equipment / not accidentally punch through the basement ceiling.
- 0902 Aaron feels comfortable drilling in this location due to extra 6" gained + better maneuverability up top w/ fewer obstructions to catch hydraulic lines on.
- 0944 Collected Sample
DPT-23-SO-(24-25).
 Sample placed on ice immediately.
- Rite in the Rain*

9/24/20

0954 After completing the boring near the entrance, JWI feels more confident & comfortable w/ drilling at the SE end of the building. Moving to check accessibility in a slightly different location than before. Basement borings are 2 1/2 ft below grade of the borings in the parking lot.

0958 Removed overhead obstructions & set up on DPT-24.

GPS: 38.693245 - 90.279167

1035 Collected Sample

DPT-24-50-(24-25)

Sample placed on ice immediately.

1050 Reinstalling geoprobe extension & getting ready to mobilize.

All borings contain stoppered temp well casing & will be sampled tomorrow. All

9/24/20

temp wells not sampled at this point (DPT-12 to DPT-24) will be sampled tomorrow.

1104

Additional GPS for GPR
Add anomalies:

38.693107 - 90.279383 (possible line from UST)

38.693160 - 90.279343

38.693232 - 90.279511

38.693218 - 90.279548

38.693198 - 90.279537

38.693188 - 90.279546

38.693180 - 90.279569

38.693199 - 90.279529

38.693204 - 90.279515

38.693202 - 90.279503

38.693147 - 90.279505

38.693135 - 90.279526

38.693081 - 90.279496

38.693041 - 90.279375

38.693282 - 90.279210 (basement drain)

38.693251 - 90.279114 (basement drain)

38.693203 - 90.279077 (basement sump)

1153

Arrived at the 4311 /
4315 Jennings station
Road Sites. *Rite in the Rain.*

9/24/20

- 1201 Conducting GPR at 4311
+ 4315 JSR Sites.
- 1211 4315 JSR is very overgrown,
eroded & sloped on the
N-side, lots of trash
to drug materials. ~~At~~ At 4311 JSR,
the surface soil being
near the road will
have to be moved due
to overhead powerlines.
GPR at 4315 JSR will
be impossible due to
dense foliage.
- 1217 Possible sewer drain
line ID'd by GPR in the
front drive at 4311 JSR.
we will move the proposed
sample to the S-side
of the front line.
GPS: 38.698826 - 90.272145.
Line runs out to street
- 1220 Setting up for DPT-25
GPS: 38.698805 - 90.272144
- 1249 GPR finished sur veying.
Only other thing of

9/24/20

- note is a possible line
found under the asphalt of
the south end of 4311
JSR running NE-W.
- GPS: 38.698749 - 90.272309
38.698716 - 90.272202
- 1256 Collected Sample
DPT-25-SO-(24-25)
Sample placed on ice
immediately.
- 1305 Moved to DPT-26
GPS: 38.698690 - 90.272238
- 1335 Collected Samples
DPT-26-SO-(24-25) &
DPT-26-SO-(24-25)-FD,
Samples placed on ice
immediately.
- 1337 Moved to DPT-27.
GPS: 38.698761 - 90.272396
- 1419 Moving to DPT-28.
GPS:
- 1430 Collected sample
DPT-27-SO-(24-30),
Sample placed on ice
immediately.
- 1441 DPT-28 was supposed

9/24/20

to be a surface + subsurface sample, however upon drilling it was determined that this location is part of the paved parking / building area + therefore no surface sample is needed.

1450 Moved to the 4315 JSE property. Moved to DPT-29.

GPS:

1528 Moved to DPT-30.

GPS:

1530 Collected sample

DPT-28-SO-(29-30).

Sample placed on ice immediately.

1534 Collected sample

DPT-29-SO-(0-12).

Sample placed on ice immediately.

1556 Moved to DPT-31.

GPS:

1603 Collected sample

DPT-29-SO-(29-30)

Sample placed on ice immediately.

9/24/20

1615 Collected sample

(DPT-30-SO-(0-3)).

Sample placed on ice immediately.

1621 Added Trip blank

Pine Lawn-GW-TB8

to cooler.

1638 Collected sample

DPT-30-SO-(29-30).

Sample placed on ice immediately.

1645 Moved to DPT-32.

GPS:

1652 Collected sample

DPT-31-SO-(0-3).

Sample placed on ice immediately.

1715 Collected sample

DPT-31-SO-(29-30).

Sample placed on ice immediately.

1734 Collected sample

DPT-32-SO-(0-3).

Sample placed on ice immediately.

1745 Packed up drill rig. *Return the Rain.*

9/24/20

- 1748 Collected sample
DPT-32-SO-(24.5-25.5)
 Sample placed on ice immediately.
- 1754 Added Trip blank to cooler (Pinelawn-SO-TB9).
- 1812 Headed to the Pace Courier drop point.
- 1841 Dropped off samples at Courier drop point.
- 1920 End of day.

S (

9/24/20

9/25/20

- 0743 Arrived on site. Weather Sunny, high of 79°F
- 0815 Site Safety meeting. ~~Meeting~~
 Starting off GW sampling at 6310 NBR then going to 6305 NBR then to the two JSR sites.
- 0819 GWS for DRAIN at 6310 NBR,
 38.692728 - 90.279649
 38.692737 - 90.279566
 Lost at this point.
- 0822 Beginning to purge DPT-12 to DPT-13.
- 0840 Collected sample
DPT-12-GW-(24-29)
DPT-12-GW-(24-29)-FD
 Samples placed on ice immediately. 2 gal water purged.
- 0915 DPT-13 is dry. Moving on to DPT-14.
- 0928 DPT-14 is dry. Moving on to DPT-15 + DPT-16.
- ~~0940 Collected sample~~
~~DPT-16-GW-(25-30)~~
~~2 gal of water purged.~~
~~Sample placed on ice~~

9/25/20

0955 DPT-15 is Dry.
 0957 DPT-16 ran dry
 before the sample
 collection could be
 completed. 1 gal purged
 successfully & only 2 vials
 filled before it ran dry.

1003 Patching borings.

1015 Created daily field
 blank [Pine Lawn - FB5].
 Sample placed on ice immediately.

1030 Headed to 6305 NBR.

1037 Setting up on DPT-17 +
 DPT-18.

1041 DPT-17 is Dry.

1045 DPT-18 is Dry.

1046 Setting up on DPT-20
 & DPT-21.

1049 Collecting sample

DPT-20 - GW - (25-30)

1 gal of water purged.
 Samples placed on ice.

DPT-20 - GW - (25-30) - FD

1057 DPT-21 ran dry.

Setting up on DPT-19.

1104 DPT-19 is Dry.

9/24/20

1106 Setting up on DPT-22.

1120 DPT-22 ran dry before
 a sample could be
 collected.

~~1125 Patching borings. SC
 DPT-22 DPT-24~~

1125 Patching borings.

1135 Adding trip blank to
 cooler.

(Pine Lawn - GW - TB10)

1156 Setting up on
 DPT-23 & DPT-24.

1211 DPT-24 is Dry.

1220 DPT-23 is Dry.
 Patching borings.

1230 Headed to the JSR
 Sites.

1257 Setting up on
 DPT-22 & DPT-25.

1307 DPT-25 is dry.

Setting up on DPT-26.
 1309 DPT-26 is dry. Setting
 up on DPT-21.

1319 DPT-32 is dry.

1320 DPT-26 is purged
 dry before 1 gal removed.

9/25/20

- 1321 Setting up on DPT-27
+ DPT-28.
- 1325 DPT-27 is dry.
DPT-28 is dry.
- 1327 Setting up on
DPT-29 + DPT-30.
- 1328 DPT-30 is dry.
- 1334 DPT-29 is dry.
- 1337 Setting up on DPT-31.
Patching borings.
- 1344 DPT-31 is dry.
- 1350 Packing up.
- 1423 Headed to the Price
Courier to drop off
samples, extra containers,
+ extra coolers.
- 1447 Dropped off samples +
extra containers +
coolers. Headed to
Pine Environmental
to drop off PID.
- 1515 Heading to Kuma
- 1923 End of Day.

SC

9/25/20

Boring Log Form

Site Name: 6128 Natural Bridge Rd Boring Number: DPT-1

Date Drilled (Start/Finish): 9/21/20

Drilling Method: DPT

Drilling Company: EWI

Elevation:

Total Depth: 28.8 ft bss

Coordinates:

Depth to Water: NA

Geologist: Stephanie Caples

Project Number:

Weather: Sunny, 75°F

Sample Interval	Interval	Soil Recv.	PID Reading (ppm, or ppb)	Depth (Feet)	Color (Munsell or Rock)	Lithology	Graphic Log	Description and Remarks
	0-5	3/5	0	0				Asphalt on top ~3 in.
		68%	0	0				Clay & Silt: m-brown to D-brown
			0	0				non plastic, stiff, dry-damp
			0	4				
			0	5				
	5-10	4/5	0	5				At 5 ft bss: m-brown, plastic,
		70%	125	8				moist damp to moist, m-stiff.
			2.2					
			2.1					
			0	10				At 5.5 ft bss: Black to dark brown,
			0	10				dry, stiff, crumbly, strong
			0	12				petroleum odor.
			0					At 8.5 ft bss: m-stiff to stiff,
	10-15	3/5	0					m-red-brown, moist/damp.
		5	0					At 9.5 ft bss: concrete interval
		70%	0	15				
			0	16				At 10 ft bss: m-brown, soft,
	15-20		0					moist plastic.
		3/5	0					At 11.25 ft bss: grades to silt +
		5	0					some clay, green-gray
		70%	0	20				w/ m-red-brown streaks,
			0					m-stiff.
	20-25	4/5	0					At 13 ft bss: m-red brownish
		5	0					gray streaks.
		70%	0	24				
			0					At 15 ft bss: m-red-brown grades
	25-28.8		0	25				to silt with ~ little to some
			0					clay, m-red-brown, moist,
			0					m-stiff to stiff.
			0	28				
		3/8	0	28.8				

= 13%

DPT-1-50 - (5.5 - 6.5)

At 20 ft bgs: Grades to
Clay + silt, moist, m-stiff,
m-red brown w/ black streaks
plastic

At 22 ft bgs: Clay, soft to
m-stiff, red / Tan / black /
dark brown swirls, some
gravel + cemented bits
mixed in.

Gravel size + amount
increases w/ depth.

At 24.5 ft bgs: Clay +
gravel, hard, light
gray + red, very plastic,
moist

↓
At 25 ft bgs: no more gravel
but same as above.

At 27 ft bgs: Purple^{red} shale, organic

At 28 ft bgs: White - gray,
clay, hard, damp, pre-shale
fissile, progresses to swirls.
of orange / tan / white / purple,
crumbly

Boring Log Form

Site Name: W128 N.B.Rd.

Boring Number: DPT-2

Date Drilled (Start/Finish): 9/21/20

Drilling Method: DPT

Drilling Company: EWI

Elevation:

Total Depth: 29 ft bgs

Coordinates:

Depth to Water: NA

Geologist: Stephane Caples

Project Number:

Weather: Sunny, 75°F

Sample Interval	Interval	Soil Recv.	PID Reading (ppm) or (ppb)	Depth (Feet)	Color (Munsell or Rock)	Lithology	Graphic Log	Description and Remarks
3-5	0-5	1.5 5 =30%	0	1				Concrete to asphalt ~3 in.
			0	2				clay & silt: m-brown, dry-lump, not plastic, very stiff.
			15.1	4				
			2.5	5				at 2.5 ft bgs: becomes m-stiff, dark brown.
			0	6				
	5-10	3.5 5 =70%	0	8				At 3 ft bgs: petroleum odor, crumbly, black, ^{gray brown} V-stiff.
			0	10				At 5 ft bgs: m-dark brown, stiff, light petroleum odor, plastic.
	10-15	3.5 5 =70%	0	12				At 7.5 ft bgs: becomes ^{dark} green-gray, m-stiff.
			0	15				At 8.5 ft bgs: m-red brown, soft to m-stiff.
	15-20	4 5 =80%	0	16				
			0	18				↓ some black swirls at 14 ft bgs.
			0	20				Stiffens & becomes silty w/ depth. some gray streaks
	20-25	5 5 =100%	0	22				at 18.5 ft bgs.
			0	24				At 21 ft bgs: soft
	25-29	5 4 =125%	0	26				At 22.75 ft bgs: m-stiff, soft + little clay, m-stiff, m-brown
			0	28				At 24 ft bgs: m-red brown w/ black streaks, clay & silt w/ lots of coarse sand + a little gravel

8 28
0 29

Crumbly.

At 24.75 ft bss, clay to
chert, splintery, shards,
moist.

~~At 25.25 ft bss:~~

Clay, hard, transitioning
from white / orange,
light gray to m-gray,
orange / white, pre-shal
semi-fissile, crumbly &
broken, very dense, damp
moist

DPT-2-SO-(3-5)

Boring Log Form

Site Name: 6128 N.B. Rd.

Boring Number: DPT-3

Date Drilled (Start/Finish): 9/21/20

Drilling Method: DPT

Drilling Company: EWI

Elevation:

Total Depth: 28.8

Coordinates:

Depth to Water: NA

Geologist: Stephanie Caples

Project Number:

Weather: Sunny, 75°F

Sample Interval	Interval	Soil Recv.	PID Reading (ppm or ppb)	Depth (Feet)	Color (Munsell or Rock)	Lithology	Graphic Log	Description and Remarks
	0-5	3.25 5 =65%	0 60.7 0.3	0 4				Asphalt + concrete on top plain
	5-10	3.5 5 =70%	0 0 0	5 8				At 6" bgs: Petroleum odor, ^{m-dark} gray green, hard 1V-stiff, very plastic, clay & silt, damp.
	10-15	3.5 5 =70%	0 0 0	10 12				At 2 ft bgs: m-red brown. At 3.5 ft bgs: soft, m-dark green gray, moist.
	15-20	4 5 =80%	0 0 0	15 16				At 4 ft bgs: m-red brown, m-stiff. At 4.75 ft bgs: black, crumbly, some red stains, some gravel bits, damp.
	20-25	4 5 =80%	0 0 0	20 24				At 5 ft bgs: m-dark brown, clay & silt, m-stiff to soft to stiff alternating intervals, plastic, moist.
	25-28.8	5 3.8 =76%	0 0 0	25 28				At 10 ft bgs: m-red brown w/ some dark brown streaks, moist, m-stiff to m-soft. At 18.5 ft bgs: Dark red brown, clay & silt w/ some gravel / VC sand bits, crumbly, not plastic, damp. At 19.25 ft bgs: Return to above.
								Increasing silt content w/ depth. At 4 ft bgs: Clay & gravelly Hard

At 25 ft by 5: Hard, not plastic
~~very plastic, very hard, very hard~~
moist, pre-shale, fissile to
semi-fissile, alternating
colors of white, orange,
gray, pink, purple,
crumbly when pressured

DPT-3-SO-(28-28.8)

DPT-3-SO-(28-28.8)-F

Boring Log Form

Site Name: 6128 N.B. Rd.

Boring Number: DPT-4

Date Drilled (Start/Finish): 9/21/20

Drilling Method: DPT

Drilling Company: EWE

Elevation:

Total Depth: 29 ft 6 in

Coordinates:

Depth to Water: NA

Geologist: Stephanie Cykes

Project Number:

Weather: Partly Cloudy Sunny, 75°F

Sample Interval	Interval	Soil Recv.	PID Reading (ppm or ppb)	Depth (Feet)	Color (Munsell or Rock)	Lithology	Graphic Log	Description and Remarks
								DPT-4 - SO - (8-29)
0-5	3.5	5	0	0				Concrete asphalt top 6"
			0	0				At 6" bgs: clay + silt, dark gray/green/brown w/ black streaks, hard, damp-moist
			0	4				hard
5-10	1	5	0	5				At 3 ft bgs: 2" interval of crumbly asphalt. Then return to above.
			0	8				At 9.5' bgs: basement material?
			0	10				most soft to stiff, plastic.
10-15	4	5	0	12				At 15 ft bgs: m-red brown w/ gray + black streaks, m-stiff to stiff silt w/ a little clay, moist-damp,
			0	15				At 14.5 ft bgs: hard, some v-c sandy bits in clay + silt, damp.
15-20	4.5	5	0	20				At 20 ft bgs: Quartz-rich pink gravel rounded to angular to sand mixed in (c-vc) surrounded w/ clay, orange coloring.
20-25	5	5	0	24				At 22' bgs: hard clay to a little silt, white/orange, pink/purple black/orange, slightly plastic
25-29	4	5	0	28				becomes increasingly fissile w/ depth (semi-fissile) breaks along

Boring Log Form

Site Name: Pine Lawn 6128 NBR

Boring Number: DPT-5

Date Drilled (Start/Finish): 9/21/20

Drilling Method: DPT

Drilling Company: EWF

Elevation:

Total Depth: 20 ft bgs

Coordinates:

Depth to Water:

Geologist: Stephanie Copley

Project Number:

Weather: Sunny, 75°F

Sample Interval	Interval	Soil Recv.	PID Reading (ppm or ppb)	Depth (Feet)	Color (Munsell or Rock)	Lithology	Graphic Log	Description and Remarks
	0-5	2/5	0	0				Asphalt + concrete on top 3".
			0	0				At 3' bgs: Clay + silt, m-stiff, dark brown, plastic, damp-moist.
		40%	0	4				At 3' bgs: crumbly sand/gravel/asphalt.
			0	5				At 4' bgs: return to above.
	5-10	1.75/5	0	8				At 5.5 ft bgs: sand, gravel, concrete fill, dark brown to gray. All non-native.
		35%	0	10				10-15: 0% recovery
	10-15	0%	X	12				Brick & sand fill for first 3".
								At 15.75' bgs: Clay + silt, dark gray-brown, very wet, m-stiff, plastic.
	15-20	2.5/5	0	16				At 16' bgs becomes saturated.
Soil @ 15-16		58%	0	20				DPT-5-SU-(15-16)
			0	24				
			0	28				

②

Boring Log Form

Site Name: Pinelawn (W28 NBR) Boring Number: DPT-6

Date Drilled (Start/Finish): 7/22/20

Drilling Method: DPT

Drilling Company: EWI

Elevation:

Total Depth: 20 ft bgs

Coordinates:

Depth to Water: 18 ft bgs

Geologist: Stephanie Cuyler

Project Number:

Weather: Cloudy/overcast, 70°F

Sample Interval	Interval	Soil Recv.	PID Reading (ppm or ppb)	Depth (Feet)	Color (Munsell or Rock)	Lithology	Graphic Log	Description and Remarks
								<u>DPT-6-50-(15-16)</u>
	0-5	2 5 20%	0	0				Concrete + Asphalt on top 1 ft. Petroleum m/ta Clay & silt: stiff to m-stiff, m-to d-brown
			0	0				
			0	0				
			0	4				
			0	5				At 5 ft bgs: becomes m-red brown.
	5-10	2.5 5 50%	0	0				At 8 ft bgs: 6" layer of black/green glassy material, looks similar to oxidation, conchoidal fracture, broken-up pieces.
			0	8				At 8.5 ft bgs: return to above.
			0	10				
			0	12				
	10-15	2 5 40%	0	0				At 11 ft bgs: becomes stiff to m-stiff, gray w/ black streaks.
			0	15				At 14 ft bgs: becomes stiff. A concrete chunk at bottom.
			0	16				
			0	17				At 15 ft bgs: becomes wet, m-red brown, soft.
			0	20				At 17.5 ft bgs: becomes concrete + rubber liner + sand fill, black, light petroleum odor.
			0	21				At 18.5 ft bgs: becomes black, clay & silt, saturated, plastic, m-stiff to soft.
			0	22				At 19.5 ft bgs: some green stain.
			0	24				
			0	26				
			0	28				

APPENDIX D

ANALYTICAL DATA PACKAGES AND DATA VALIDATION REPORTS

October 02, 2020

Kaitlyn Mitchell
Tetra Tech EMI
415 Oak
Kansas City, MO 64106

RE: Project: PINE LAWN
Pace Project No.: 60348944

Dear Kaitlyn Mitchell:

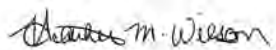
Enclosed are the analytical results for sample(s) received by the laboratory on September 22, 2020. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

- Pace Analytical Services - Kansas City

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

Sincerely,



Heather Wilson for
Jeffrey Shopper
jeff.shopper@pacelabs.com
1(913)563-1408
Project Manager

Enclosures



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: PINE LAWN

Pace Project No.: 60348944

Pace Analytical Services Kansas

9608 Loiret Boulevard, Lenexa, KS 66219

Missouri Inorganic Drinking Water Certification #: 10090

Arkansas Drinking Water

Arkansas Certification #: 20-020-0

Arkansas Drinking Water

Illinois Certification #: 200030

Iowa Certification #: 118

Kansas/NELAP Certification #: E-10116

Louisiana Certification #: 03055

Nevada Certification #: KS000212020-2

Oklahoma Certification #: 9205/9935

Florida: Cert E871149 SEKS WET

Texas Certification #: T104704407-19-12

Utah Certification #: KS000212019-9

Illinois Certification #: 004592

Kansas Field Laboratory Accreditation: # E-92587

Missouri SEKS Micro Certification: 10070

REPORT OF LABORATORY ANALYSIS

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SAMPLE SUMMARY

Project: PINE LAWN

Pace Project No.: 60348944

Lab ID	Sample ID	Matrix	Date Collected	Date Received
60348944001	DPT-1-SO-(5.5-6.5)	Solid	09/21/20 14:11	09/22/20 04:15
60348944002	DPT-2-SO-(3-5)	Solid	09/21/20 15:26	09/22/20 04:15
60348944003	DPT-3-SO-(28-28.8)	Solid	09/21/20 16:06	09/22/20 04:15
60348944004	DPT-3-SO-(28-28.8)-FD	Solid	09/21/20 16:06	09/22/20 04:15
60348944005	DPT-4-SO-(28-29)	Solid	09/21/20 16:41	09/22/20 04:15
60348944006	PINE LAWN-SO-TB1	Solid	09/21/20 17:10	09/22/20 04:15
60348944007	DPT-S-SO-(15-16)	Solid	09/21/20 17:40	09/22/20 04:15
60348944008	PINE LAWN-FB1	Water	09/21/20 17:52	09/22/20 04:15

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SAMPLE ANALYTE COUNT

Project: PINE LAWN

Pace Project No.: 60348944

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
60348944001	DPT-1-SO-(5.5-6.5)	EPA 8082	AJB1	8	PASI-K
		EPA 6010	JLH	7	PASI-K
		EPA 7471	MRV	1	PASI-K
		EPA 8270	JMT	73	PASI-K
		EPA 8270	NAW	5	PASI-K
		EPA 8260B	RAD	68	PASI-K
		EPA 8260	RAD	4	PASI-K
		ASTM D2974	DWC	1	PASI-K
60348944002	DPT-2-SO-(3-5)	EPA 8082	AJB1	8	PASI-K
		EPA 6010	JLH	7	PASI-K
		EPA 7471	MRV	1	PASI-K
		EPA 8270	JMT	73	PASI-K
		EPA 8270	NAW	5	PASI-K
		EPA 8260B	RAD	68	PASI-K
		EPA 8260	RAD	4	PASI-K
		ASTM D2974	DWC	1	PASI-K
60348944003	DPT-3-SO-(28-28.8)	EPA 8082	AJB1	8	PASI-K
		EPA 6010	JLH	7	PASI-K
		EPA 7471	MRV	1	PASI-K
		EPA 8270	JMT	73	PASI-K
		EPA 8270	NAW	5	PASI-K
		EPA 8260B	RAD	68	PASI-K
		EPA 8260	RAD	4	PASI-K
		ASTM D2974	DWC	1	PASI-K
60348944004	DPT-3-SO-(28-28.8)-FD	EPA 8082	AJB1	8	PASI-K
		EPA 6010	JLH	7	PASI-K
		EPA 7471	MRV	1	PASI-K
		EPA 8270	JMT	73	PASI-K
		EPA 8270	NAW	5	PASI-K
		EPA 8260B	RAD	68	PASI-K
		EPA 8260	RAD	4	PASI-K
		ASTM D2974	DWC	1	PASI-K
60348944005	DPT-4-SO-(28-29)	EPA 8082	AJB1	8	PASI-K
		EPA 6010	JLH	7	PASI-K
		EPA 7471	MRV	1	PASI-K
		EPA 8270	JMT	73	PASI-K
		EPA 8270	NAW	5	PASI-K

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: PINE LAWN

Pace Project No.: 60348944

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
60348944006	PINE LAWN-SO-TB1	EPA 8260B	RAD	68	PASI-K
		EPA 8260	RAD	4	PASI-K
		ASTM D2974	DWC	1	PASI-K
		EPA 8260B	RAD	68	PASI-K
		EPA 8082	AJB1	8	PASI-K
		EPA 6010	JLH	7	PASI-K
		EPA 7471	MRV	1	PASI-K
		EPA 8270	JMT	73	PASI-K
		EPA 8270	NAW	5	PASI-K
		EPA 8260B	RAD	68	PASI-K
60348944007	DPT-S-SO-(15-16)	EPA 8260	RAD	4	PASI-K
		ASTM D2974	DWC	1	PASI-K
		EPA 8082	AJB1	8	PASI-K
		EPA 6010	JLH	7	PASI-K
		EPA 6010	JLH	7	PASI-K
		EPA 7470	MRV	1	PASI-K
		EPA 7470	MRV	1	PASI-K
		EPA 8270	NAW	5	PASI-K
		EPA 8270	JMT	73	PASI-K
		EPA 5030B/8260	EAG, PGH	69	PASI-K
60348944008	PINE LAWN-FB1	EPA 8260	EAG	5	PASI-K

PASI-K = Pace Analytical Services - Kansas City

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: PINE LAWN

Pace Project No.: 60348944

Sample: DPT-1-SO-(5.5-6.5) **Lab ID:** 60348944001 **Collected:** 09/21/20 14:11 **Received:** 09/22/20 04:15 **Matrix:** Solid

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

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8082 GCS PCB SW								
Analytical Method: EPA 8082 Preparation Method: EPA 3546								
Pace Analytical Services - Kansas City								
PCB-1016 (Aroclor 1016)	ND	ug/kg	37.9	1	09/29/20 15:19	10/01/20 16:29	12674-11-2	
PCB-1221 (Aroclor 1221)	ND	ug/kg	37.9	1	09/29/20 15:19	10/01/20 16:29	11104-28-2	
PCB-1232 (Aroclor 1232)	ND	ug/kg	37.9	1	09/29/20 15:19	10/01/20 16:29	11141-16-5	
PCB-1242 (Aroclor 1242)	ND	ug/kg	37.9	1	09/29/20 15:19	10/01/20 16:29	53469-21-9	
PCB-1248 (Aroclor 1248)	ND	ug/kg	37.9	1	09/29/20 15:19	10/01/20 16:29	12672-29-6	
PCB-1254 (Aroclor 1254)	ND	ug/kg	37.9	1	09/29/20 15:19	10/01/20 16:29	11097-69-1	
PCB-1260 (Aroclor 1260)	ND	ug/kg	37.9	1	09/29/20 15:19	10/01/20 16:29	11096-82-5	
Surrogates								
Decachlorobiphenyl (S)	85	%	28-143	1	09/29/20 15:19	10/01/20 16:29	2051-24-3	
6010 MET ICP Red. Interference								
Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Pace Analytical Services - Kansas City								
Arsenic	7.2	mg/kg	1.1	1	10/01/20 11:39	10/02/20 13:59	7440-38-2	
Barium	151	mg/kg	0.53	1	10/01/20 11:39	10/02/20 13:59	7440-39-3	
Cadmium	ND	mg/kg	0.53	1	10/01/20 11:39	10/02/20 13:59	7440-43-9	
Chromium	18.2	mg/kg	0.53	1	10/01/20 11:39	10/02/20 13:59	7440-47-3	
Lead	44.9	mg/kg	1.1	1	10/01/20 11:39	10/02/20 13:59	7439-92-1	
Selenium	ND	mg/kg	1.6	1	10/01/20 11:39	10/02/20 13:59	7782-49-2	
Silver	ND	mg/kg	0.74	1	10/01/20 11:39	10/02/20 13:59	7440-22-4	
7471 Mercury								
Analytical Method: EPA 7471 Preparation Method: EPA 7471								
Pace Analytical Services - Kansas City								
Mercury	0.080	mg/kg	0.053	1	09/28/20 14:40	09/29/20 13:06	7439-97-6	
8270 MSSV Semivolatiles								
Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Pace Analytical Services - Kansas City								
Acenaphthene	ND	ug/kg	372	1	09/27/20 13:01	09/29/20 20:02	83-32-9	
Acenaphthylene	ND	ug/kg	372	1	09/27/20 13:01	09/29/20 20:02	208-96-8	
Anthracene	ND	ug/kg	372	1	09/27/20 13:01	09/29/20 20:02	120-12-7	
Benzo(a)anthracene	ND	ug/kg	372	1	09/27/20 13:01	09/29/20 20:02	56-55-3	
Benzo(a)pyrene	ND	ug/kg	372	1	09/27/20 13:01	09/29/20 20:02	50-32-8	
Benzo(b)fluoranthene	ND	ug/kg	372	1	09/27/20 13:01	09/29/20 20:02	205-99-2	
Benzo(g,h,i)perylene	ND	ug/kg	372	1	09/27/20 13:01	09/29/20 20:02	191-24-2	
Benzo(k)fluoranthene	ND	ug/kg	372	1	09/27/20 13:01	09/29/20 20:02	207-08-9	
Benzoic Acid	ND	ug/kg	1880	1	09/27/20 13:01	09/29/20 20:02	65-85-0	L1
Benzyl alcohol	ND	ug/kg	743	1	09/27/20 13:01	09/29/20 20:02	100-51-6	
4-Bromophenylphenyl ether	ND	ug/kg	372	1	09/27/20 13:01	09/29/20 20:02	101-55-3	
Butylbenzylphthalate	ND	ug/kg	372	1	09/27/20 13:01	09/29/20 20:02	85-68-7	
Carbazole	ND	ug/kg	372	1	09/27/20 13:01	09/29/20 20:02	86-74-8	
4-Chloro-3-methylphenol	ND	ug/kg	743	1	09/27/20 13:01	09/29/20 20:02	59-50-7	
4-Chloroaniline	ND	ug/kg	743	1	09/27/20 13:01	09/29/20 20:02	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/kg	372	1	09/27/20 13:01	09/29/20 20:02	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/kg	372	1	09/27/20 13:01	09/29/20 20:02	111-44-4	
bis(2-Chloroisopropyl) ether	ND	ug/kg	372	1	09/27/20 13:01	09/29/20 20:02	108-60-1	
2-Chloronaphthalene	ND	ug/kg	372	1	09/27/20 13:01	09/29/20 20:02	91-58-7	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: PINE LAWN

Pace Project No.: 60348944

Sample: DPT-1-SO-(5.5-6.5) **Lab ID:** 60348944001 **Collected:** 09/21/20 14:11 **Received:** 09/22/20 04:15 **Matrix:** Solid

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

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Semivolatiles		Analytical Method: EPA 8270 Preparation Method: EPA 3546 Pace Analytical Services - Kansas City						
2-Chlorophenol	ND	ug/kg	372	1	09/27/20 13:01	09/29/20 20:02	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/kg	372	1	09/27/20 13:01	09/29/20 20:02	7005-72-3	
Chrysene	ND	ug/kg	372	1	09/27/20 13:01	09/29/20 20:02	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	372	1	09/27/20 13:01	09/29/20 20:02	53-70-3	
Dibenzofuran	ND	ug/kg	372	1	09/27/20 13:01	09/29/20 20:02	132-64-9	
1,2-Dichlorobenzene	ND	ug/kg	372	1	09/27/20 13:01	09/29/20 20:02	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	372	1	09/27/20 13:01	09/29/20 20:02	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	372	1	09/27/20 13:01	09/29/20 20:02	106-46-7	
3,3'-Dichlorobenzidine	ND	ug/kg	743	1	09/27/20 13:01	09/29/20 20:02	91-94-1	
2,4-Dichlorophenol	ND	ug/kg	372	1	09/27/20 13:01	09/29/20 20:02	120-83-2	
Diethylphthalate	ND	ug/kg	372	1	09/27/20 13:01	09/29/20 20:02	84-66-2	
2,4-Dimethylphenol	ND	ug/kg	372	1	09/27/20 13:01	09/29/20 20:02	105-67-9	
Dimethylphthalate	ND	ug/kg	372	1	09/27/20 13:01	09/29/20 20:02	131-11-3	
Di-n-butylphthalate	ND	ug/kg	372	1	09/27/20 13:01	09/29/20 20:02	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/kg	1880	1	09/27/20 13:01	09/29/20 20:02	534-52-1	
2,4-Dinitrophenol	ND	ug/kg	1880	1	09/27/20 13:01	09/29/20 20:02	51-28-5	
2,4-Dinitrotoluene	ND	ug/kg	372	1	09/27/20 13:01	09/29/20 20:02	121-14-2	
2,6-Dinitrotoluene	ND	ug/kg	372	1	09/27/20 13:01	09/29/20 20:02	606-20-2	
Di-n-octylphthalate	ND	ug/kg	372	1	09/27/20 13:01	09/29/20 20:02	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/kg	372	1	09/27/20 13:01	09/29/20 20:02	117-81-7	
Fluoranthene	ND	ug/kg	372	1	09/27/20 13:01	09/29/20 20:02	206-44-0	
Fluorene	ND	ug/kg	372	1	09/27/20 13:01	09/29/20 20:02	86-73-7	
Hexachloro-1,3-butadiene	ND	ug/kg	372	1	09/27/20 13:01	09/29/20 20:02	87-68-3	
Hexachlorobenzene	ND	ug/kg	372	1	09/27/20 13:01	09/29/20 20:02	118-74-1	
Hexachlorocyclopentadiene	ND	ug/kg	372	1	09/27/20 13:01	09/29/20 20:02	77-47-4	
Hexachloroethane	ND	ug/kg	372	1	09/27/20 13:01	09/29/20 20:02	67-72-1	
Indeno(1,2,3-cd)pyrene	ND	ug/kg	372	1	09/27/20 13:01	09/29/20 20:02	193-39-5	
Isophorone	ND	ug/kg	372	1	09/27/20 13:01	09/29/20 20:02	78-59-1	
2-Methylnaphthalene	ND	ug/kg	372	1	09/27/20 13:01	09/29/20 20:02	91-57-6	
2-Methylphenol(o-Cresol)	ND	ug/kg	372	1	09/27/20 13:01	09/29/20 20:02	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/kg	372	1	09/27/20 13:01	09/29/20 20:02	15831-10-4	
Naphthalene	ND	ug/kg	372	1	09/27/20 13:01	09/29/20 20:02	91-20-3	
2-Nitroaniline	ND	ug/kg	743	1	09/27/20 13:01	09/29/20 20:02	88-74-4	
3-Nitroaniline	ND	ug/kg	743	1	09/27/20 13:01	09/29/20 20:02	99-09-2	
4-Nitroaniline	ND	ug/kg	743	1	09/27/20 13:01	09/29/20 20:02	100-01-6	
Nitrobenzene	ND	ug/kg	372	1	09/27/20 13:01	09/29/20 20:02	98-95-3	
2-Nitrophenol	ND	ug/kg	372	1	09/27/20 13:01	09/29/20 20:02	88-75-5	
4-Nitrophenol	ND	ug/kg	1880	1	09/27/20 13:01	09/29/20 20:02	100-02-7	
N-Nitroso-di-n-propylamine	ND	ug/kg	372	1	09/27/20 13:01	09/29/20 20:02	621-64-7	
N-Nitrosodiphenylamine	ND	ug/kg	372	1	09/27/20 13:01	09/29/20 20:02	86-30-6	
Pentachlorophenol	ND	ug/kg	1880	1	09/27/20 13:01	09/29/20 20:02	87-86-5	
Phenanthrene	ND	ug/kg	372	1	09/27/20 13:01	09/29/20 20:02	85-01-8	
Phenol	ND	ug/kg	372	1	09/27/20 13:01	09/29/20 20:02	108-95-2	
Pyrene	ND	ug/kg	372	1	09/27/20 13:01	09/29/20 20:02	129-00-0	
Pyridine	ND	ug/kg	372	1	09/27/20 13:01	09/29/20 20:02	110-86-1	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: PINE LAWN

Pace Project No.: 60348944

Sample: DPT-1-SO-(5.5-6.5) **Lab ID:** 60348944001 **Collected:** 09/21/20 14:11 **Received:** 09/22/20 04:15 **Matrix:** Solid

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

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
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8270 MSSV Semivolatiles

Analytical Method: EPA 8270 Preparation Method: EPA 3546

Pace Analytical Services - Kansas City

1,2,4-Trichlorobenzene	ND	ug/kg	372	1	09/27/20 13:01	09/29/20 20:02	120-82-1	
2,4,5-Trichlorophenol	ND	ug/kg	372	1	09/27/20 13:01	09/29/20 20:02	95-95-4	
2,4,6-Trichlorophenol	ND	ug/kg	372	1	09/27/20 13:01	09/29/20 20:02	88-06-2	
Surrogates								
Nitrobenzene-d5 (S)	79	%	33-132	1	09/27/20 13:01	09/29/20 20:02	4165-60-0	
2-Fluorobiphenyl (S)	69	%	39-136	1	09/27/20 13:01	09/29/20 20:02	321-60-8	
Terphenyl-d14 (S)	68	%	29-131	1	09/27/20 13:01	09/29/20 20:02	1718-51-0	
Phenol-d6 (S)	65	%	43-95	1	09/27/20 13:01	09/29/20 20:02	13127-88-3	
2-Fluorophenol (S)	65	%	43-96	1	09/27/20 13:01	09/29/20 20:02	367-12-4	
2,4,6-Tribromophenol (S)	68	%	41-108	1	09/27/20 13:01	09/29/20 20:02	118-79-6	

8270 MSSV DRO/ORO

Analytical Method: EPA 8270 Preparation Method: EPA 3546

Pace Analytical Services - Kansas City

TPH-ORO	150	mg/kg	34.6	2	09/25/20 15:43	09/29/20 02:32		
TPH-DRO	79.7	mg/kg	34.6	2	09/25/20 15:43	09/29/20 02:32		
Surrogates								
Nitrobenzene-d5 (S)	71	%	33-132	2	09/25/20 15:43	09/29/20 02:32	4165-60-0	D3
2-Fluorobiphenyl (S)	74	%	39-136	2	09/25/20 15:43	09/29/20 02:32	321-60-8	
Terphenyl-d14 (S)	67	%	29-131	2	09/25/20 15:43	09/29/20 02:32	1718-51-0	

8260 MSV 5035A VOA

Analytical Method: EPA 8260B Preparation Method: EPA 5035A/5030

Pace Analytical Services - Kansas City

Acetone	15.3	ug/kg	10.8	1	09/24/20 15:32	09/24/20 18:03	67-64-1	
Benzene	ND	ug/kg	2.7	1	09/24/20 15:32	09/24/20 18:03	71-43-2	
Bromobenzene	ND	ug/kg	2.7	1	09/24/20 15:32	09/24/20 18:03	108-86-1	
Bromochloromethane	ND	ug/kg	2.7	1	09/24/20 15:32	09/24/20 18:03	74-97-5	
Bromodichloromethane	ND	ug/kg	2.7	1	09/24/20 15:32	09/24/20 18:03	75-27-4	
Bromoform	ND	ug/kg	2.7	1	09/24/20 15:32	09/24/20 18:03	75-25-2	
Bromomethane	ND	ug/kg	2.7	1	09/24/20 15:32	09/24/20 18:03	74-83-9	
2-Butanone (MEK)	ND	ug/kg	5.4	1	09/24/20 15:32	09/24/20 18:03	78-93-3	
n-Butylbenzene	ND	ug/kg	2.7	1	09/24/20 15:32	09/24/20 18:03	104-51-8	
sec-Butylbenzene	ND	ug/kg	2.7	1	09/24/20 15:32	09/24/20 18:03	135-98-8	
tert-Butylbenzene	ND	ug/kg	13.5	1	09/24/20 15:32	09/24/20 18:03	98-06-6	
Carbon disulfide	ND	ug/kg	2.7	1	09/24/20 15:32	09/24/20 18:03	75-15-0	
Carbon tetrachloride	ND	ug/kg	2.7	1	09/24/20 15:32	09/24/20 18:03	56-23-5	
Chlorobenzene	ND	ug/kg	2.7	1	09/24/20 15:32	09/24/20 18:03	108-90-7	
Chloroethane	ND	ug/kg	2.7	1	09/24/20 15:32	09/24/20 18:03	75-00-3	
Chloroform	ND	ug/kg	2.7	1	09/24/20 15:32	09/24/20 18:03	67-66-3	
Chloromethane	ND	ug/kg	2.7	1	09/24/20 15:32	09/24/20 18:03	74-87-3	
2-Chlorotoluene	ND	ug/kg	2.7	1	09/24/20 15:32	09/24/20 18:03	95-49-8	
4-Chlorotoluene	ND	ug/kg	2.7	1	09/24/20 15:32	09/24/20 18:03	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/kg	5.4	1	09/24/20 15:32	09/24/20 18:03	96-12-8	
Dibromochloromethane	ND	ug/kg	2.7	1	09/24/20 15:32	09/24/20 18:03	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	2.7	1	09/24/20 15:32	09/24/20 18:03	106-93-4	
Dibromomethane	ND	ug/kg	2.7	1	09/24/20 15:32	09/24/20 18:03	74-95-3	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: PINE LAWN

Pace Project No.: 60348944

Sample: DPT-1-SO-(5.5-6.5) **Lab ID:** 60348944001 **Collected:** 09/21/20 14:11 **Received:** 09/22/20 04:15 **Matrix:** Solid

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

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
8260 MSV 5035A VOA		Analytical Method: EPA 8260B Preparation Method: EPA 5035A/5030 Pace Analytical Services - Kansas City							
1,2-Dichlorobenzene	ND	ug/kg	2.7	1	09/24/20 15:32	09/24/20 18:03	95-50-1	SS	
1,3-Dichlorobenzene	ND	ug/kg	2.7	1	09/24/20 15:32	09/24/20 18:03	541-73-1		
1,4-Dichlorobenzene	ND	ug/kg	2.7	1	09/24/20 15:32	09/24/20 18:03	106-46-7		
Dichlorodifluoromethane	ND	ug/kg	2.7	1	09/24/20 15:32	09/24/20 18:03	75-71-8		
1,1-Dichloroethane	ND	ug/kg	2.7	1	09/24/20 15:32	09/24/20 18:03	75-34-3		
1,2-Dichloroethane	ND	ug/kg	2.7	1	09/24/20 15:32	09/24/20 18:03	107-06-2		
1,2-Dichloroethene (Total)	ND	ug/kg	2.7	1	09/24/20 15:32	09/24/20 18:03	540-59-0		
1,1-Dichloroethene	ND	ug/kg	2.7	1	09/24/20 15:32	09/24/20 18:03	75-35-4		
cis-1,2-Dichloroethene	ND	ug/kg	2.7	1	09/24/20 15:32	09/24/20 18:03	156-59-2		
trans-1,2-Dichloroethene	ND	ug/kg	2.7	1	09/24/20 15:32	09/24/20 18:03	156-60-5		
1,2-Dichloropropane	ND	ug/kg	2.7	1	09/24/20 15:32	09/24/20 18:03	78-87-5		
1,3-Dichloropropane	ND	ug/kg	2.7	1	09/24/20 15:32	09/24/20 18:03	142-28-9		
2,2-Dichloropropane	ND	ug/kg	2.7	1	09/24/20 15:32	09/24/20 18:03	594-20-7		
1,1-Dichloropropene	ND	ug/kg	2.7	1	09/24/20 15:32	09/24/20 18:03	563-58-6		
cis-1,3-Dichloropropene	ND	ug/kg	2.7	1	09/24/20 15:32	09/24/20 18:03	10061-01-5		
trans-1,3-Dichloropropene	ND	ug/kg	2.7	1	09/24/20 15:32	09/24/20 18:03	10061-02-6		
Ethylbenzene	ND	ug/kg	2.7	1	09/24/20 15:32	09/24/20 18:03	100-41-4		
Hexachloro-1,3-butadiene	ND	ug/kg	2.7	1	09/24/20 15:32	09/24/20 18:03	87-68-3		
2-Hexanone	ND	ug/kg	10.8	1	09/24/20 15:32	09/24/20 18:03	591-78-6		
Isopropylbenzene (Cumene)	ND	ug/kg	2.7	1	09/24/20 15:32	09/24/20 18:03	98-82-8		
p-Isopropyltoluene	ND	ug/kg	2.7	1	09/24/20 15:32	09/24/20 18:03	99-87-6		
Methylene Chloride	ND	ug/kg	2.7	1	09/24/20 15:32	09/24/20 18:03	75-09-2		
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	5.4	1	09/24/20 15:32	09/24/20 18:03	108-10-1		
Methyl-tert-butyl ether	ND	ug/kg	2.7	1	09/24/20 15:32	09/24/20 18:03	1634-04-4		
Naphthalene	ND	ug/kg	5.4	1	09/24/20 15:32	09/24/20 18:03	91-20-3		
n-Propylbenzene	ND	ug/kg	2.7	1	09/24/20 15:32	09/24/20 18:03	103-65-1		
Styrene	ND	ug/kg	2.7	1	09/24/20 15:32	09/24/20 18:03	100-42-5		
1,1,1,2-Tetrachloroethane	ND	ug/kg	2.7	1	09/24/20 15:32	09/24/20 18:03	630-20-6		
1,1,2,2-Tetrachloroethane	ND	ug/kg	2.7	1	09/24/20 15:32	09/24/20 18:03	79-34-5		
Tetrachloroethene	ND	ug/kg	2.7	1	09/24/20 15:32	09/24/20 18:03	127-18-4		
Toluene	ND	ug/kg	2.7	1	09/24/20 15:32	09/24/20 18:03	108-88-3		
1,2,3-Trichlorobenzene	ND	ug/kg	2.7	1	09/24/20 15:32	09/24/20 18:03	87-61-6		
1,2,4-Trichlorobenzene	ND	ug/kg	2.7	1	09/24/20 15:32	09/24/20 18:03	120-82-1		
1,1,1-Trichloroethane	ND	ug/kg	2.7	1	09/24/20 15:32	09/24/20 18:03	71-55-6		
1,1,2-Trichloroethane	ND	ug/kg	2.7	1	09/24/20 15:32	09/24/20 18:03	79-00-5		
Trichloroethene	ND	ug/kg	2.7	1	09/24/20 15:32	09/24/20 18:03	79-01-6		
Trichlorofluoromethane	ND	ug/kg	2.7	1	09/24/20 15:32	09/24/20 18:03	75-69-4		
1,2,3-Trichloropropane	ND	ug/kg	2.7	1	09/24/20 15:32	09/24/20 18:03	96-18-4		
1,2,4-Trimethylbenzene	ND	ug/kg	2.7	1	09/24/20 15:32	09/24/20 18:03	95-63-6		
1,3,5-Trimethylbenzene	ND	ug/kg	2.7	1	09/24/20 15:32	09/24/20 18:03	108-67-8		
Vinyl chloride	ND	ug/kg	2.7	1	09/24/20 15:32	09/24/20 18:03	75-01-4		
Xylene (Total)	ND	ug/kg	2.7	1	09/24/20 15:32	09/24/20 18:03	1330-20-7		
Surrogates									
Toluene-d8 (S)	101	%	80-120	1	09/24/20 15:32	09/24/20 18:03	2037-26-5		
4-Bromofluorobenzene (S)	102	%	85-115	1	09/24/20 15:32	09/24/20 18:03	460-00-4		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: PINE LAWN

Pace Project No.: 60348944

Sample: DPT-1-SO-(5.5-6.5) **Lab ID:** 60348944001 Collected: 09/21/20 14:11 Received: 09/22/20 04:15 Matrix: Solid

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

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035A VOA								
Analytical Method: EPA 8260B Preparation Method: EPA 5035A/5030								
Pace Analytical Services - Kansas City								
Surrogates								
1,2-Dichloroethane-d4 (S)	108	%	78-118	1	09/24/20 15:32	09/24/20 18:03	17060-07-0	
8260 MSV GRO and Oxygenates								
Analytical Method: EPA 8260 Preparation Method: EPA 5035								
Pace Analytical Services - Kansas City								
TPH-GRO	0.71	mg/kg	0.37	1	09/23/20 10:30	09/23/20 16:59		
Surrogates								
Toluene-d8 (S)	104	%	78-122	1	09/23/20 10:30	09/23/20 16:59	2037-26-5	
4-Bromofluorobenzene (S)	99	%	69-133	1	09/23/20 10:30	09/23/20 16:59	460-00-4	
1,2-Dichloroethane-d4 (S)	104	%	80-123	1	09/23/20 10:30	09/23/20 16:59	17060-07-0	
Percent Moisture								
Analytical Method: ASTM D2974								
Pace Analytical Services - Kansas City								
Percent Moisture	14.4	%	0.50	1		09/23/20 14:42		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: PINE LAWN

Pace Project No.: 60348944

Sample: DPT-2-SO-(3-5) **Lab ID:** 60348944002 **Collected:** 09/21/20 15:26 **Received:** 09/22/20 04:15 **Matrix:** Solid

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

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8082 GCS PCB SW								
Analytical Method: EPA 8082 Preparation Method: EPA 3546								
Pace Analytical Services - Kansas City								
PCB-1016 (Aroclor 1016)	ND	ug/kg	39.2	1	09/29/20 15:19	10/01/20 16:47	12674-11-2	
PCB-1221 (Aroclor 1221)	ND	ug/kg	39.2	1	09/29/20 15:19	10/01/20 16:47	11104-28-2	
PCB-1232 (Aroclor 1232)	ND	ug/kg	39.2	1	09/29/20 15:19	10/01/20 16:47	11141-16-5	
PCB-1242 (Aroclor 1242)	ND	ug/kg	39.2	1	09/29/20 15:19	10/01/20 16:47	53469-21-9	
PCB-1248 (Aroclor 1248)	ND	ug/kg	39.2	1	09/29/20 15:19	10/01/20 16:47	12672-29-6	
PCB-1254 (Aroclor 1254)	ND	ug/kg	39.2	1	09/29/20 15:19	10/01/20 16:47	11097-69-1	
PCB-1260 (Aroclor 1260)	ND	ug/kg	39.2	1	09/29/20 15:19	10/01/20 16:47	11096-82-5	
Surrogates								
Decachlorobiphenyl (S)	81	%	28-143	1	09/29/20 15:19	10/01/20 16:47	2051-24-3	
6010 MET ICP Red. Interference								
Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Pace Analytical Services - Kansas City								
Arsenic	5.3	mg/kg	1.2	1	10/01/20 11:39	10/02/20 14:01	7440-38-2	
Barium	179	mg/kg	0.59	1	10/01/20 11:39	10/02/20 14:01	7440-39-3	
Cadmium	ND	mg/kg	0.59	1	10/01/20 11:39	10/02/20 14:01	7440-43-9	
Chromium	15.5	mg/kg	0.59	1	10/01/20 11:39	10/02/20 14:01	7440-47-3	
Lead	48.7	mg/kg	1.2	1	10/01/20 11:39	10/02/20 14:01	7439-92-1	
Selenium	ND	mg/kg	1.8	1	10/01/20 11:39	10/02/20 14:01	7782-49-2	
Silver	ND	mg/kg	0.82	1	10/01/20 11:39	10/02/20 14:01	7440-22-4	
7471 Mercury								
Analytical Method: EPA 7471 Preparation Method: EPA 7471								
Pace Analytical Services - Kansas City								
Mercury	ND	mg/kg	0.050	1	09/28/20 14:40	09/29/20 13:08	7439-97-6	
8270 MSSV Semivolatiles								
Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Pace Analytical Services - Kansas City								
Acenaphthene	ND	ug/kg	379	1	09/27/20 13:01	09/29/20 20:23	83-32-9	
Acenaphthylene	ND	ug/kg	379	1	09/27/20 13:01	09/29/20 20:23	208-96-8	
Anthracene	ND	ug/kg	379	1	09/27/20 13:01	09/29/20 20:23	120-12-7	
Benzo(a)anthracene	ND	ug/kg	379	1	09/27/20 13:01	09/29/20 20:23	56-55-3	
Benzo(a)pyrene	ND	ug/kg	379	1	09/27/20 13:01	09/29/20 20:23	50-32-8	
Benzo(b)fluoranthene	ND	ug/kg	379	1	09/27/20 13:01	09/29/20 20:23	205-99-2	
Benzo(g,h,i)perylene	ND	ug/kg	379	1	09/27/20 13:01	09/29/20 20:23	191-24-2	
Benzo(k)fluoranthene	ND	ug/kg	379	1	09/27/20 13:01	09/29/20 20:23	207-08-9	
Benzoic Acid	ND	ug/kg	1920	1	09/27/20 13:01	09/29/20 20:23	65-85-0	L1
Benzyl alcohol	ND	ug/kg	758	1	09/27/20 13:01	09/29/20 20:23	100-51-6	
4-Bromophenylphenyl ether	ND	ug/kg	379	1	09/27/20 13:01	09/29/20 20:23	101-55-3	
Butylbenzylphthalate	ND	ug/kg	379	1	09/27/20 13:01	09/29/20 20:23	85-68-7	
Carbazole	ND	ug/kg	379	1	09/27/20 13:01	09/29/20 20:23	86-74-8	
4-Chloro-3-methylphenol	ND	ug/kg	758	1	09/27/20 13:01	09/29/20 20:23	59-50-7	
4-Chloroaniline	ND	ug/kg	758	1	09/27/20 13:01	09/29/20 20:23	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/kg	379	1	09/27/20 13:01	09/29/20 20:23	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/kg	379	1	09/27/20 13:01	09/29/20 20:23	111-44-4	
bis(2-Chloroisopropyl) ether	ND	ug/kg	379	1	09/27/20 13:01	09/29/20 20:23	108-60-1	
2-Chloronaphthalene	ND	ug/kg	379	1	09/27/20 13:01	09/29/20 20:23	91-58-7	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: PINE LAWN

Pace Project No.: 60348944

Sample: DPT-2-SO-(3-5) **Lab ID:** 60348944002 **Collected:** 09/21/20 15:26 **Received:** 09/22/20 04:15 **Matrix:** Solid

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

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Semivolatiles		Analytical Method: EPA 8270 Preparation Method: EPA 3546 Pace Analytical Services - Kansas City						
2-Chlorophenol	ND	ug/kg	379	1	09/27/20 13:01	09/29/20 20:23	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/kg	379	1	09/27/20 13:01	09/29/20 20:23	7005-72-3	
Chrysene	ND	ug/kg	379	1	09/27/20 13:01	09/29/20 20:23	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	379	1	09/27/20 13:01	09/29/20 20:23	53-70-3	
Dibenzofuran	ND	ug/kg	379	1	09/27/20 13:01	09/29/20 20:23	132-64-9	
1,2-Dichlorobenzene	ND	ug/kg	379	1	09/27/20 13:01	09/29/20 20:23	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	379	1	09/27/20 13:01	09/29/20 20:23	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	379	1	09/27/20 13:01	09/29/20 20:23	106-46-7	
3,3'-Dichlorobenzidine	ND	ug/kg	758	1	09/27/20 13:01	09/29/20 20:23	91-94-1	
2,4-Dichlorophenol	ND	ug/kg	379	1	09/27/20 13:01	09/29/20 20:23	120-83-2	
Diethylphthalate	ND	ug/kg	379	1	09/27/20 13:01	09/29/20 20:23	84-66-2	
2,4-Dimethylphenol	ND	ug/kg	379	1	09/27/20 13:01	09/29/20 20:23	105-67-9	
Dimethylphthalate	ND	ug/kg	379	1	09/27/20 13:01	09/29/20 20:23	131-11-3	
Di-n-butylphthalate	ND	ug/kg	379	1	09/27/20 13:01	09/29/20 20:23	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/kg	1920	1	09/27/20 13:01	09/29/20 20:23	534-52-1	
2,4-Dinitrophenol	ND	ug/kg	1920	1	09/27/20 13:01	09/29/20 20:23	51-28-5	
2,4-Dinitrotoluene	ND	ug/kg	379	1	09/27/20 13:01	09/29/20 20:23	121-14-2	
2,6-Dinitrotoluene	ND	ug/kg	379	1	09/27/20 13:01	09/29/20 20:23	606-20-2	
Di-n-octylphthalate	ND	ug/kg	379	1	09/27/20 13:01	09/29/20 20:23	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/kg	379	1	09/27/20 13:01	09/29/20 20:23	117-81-7	
Fluoranthene	ND	ug/kg	379	1	09/27/20 13:01	09/29/20 20:23	206-44-0	
Fluorene	ND	ug/kg	379	1	09/27/20 13:01	09/29/20 20:23	86-73-7	
Hexachloro-1,3-butadiene	ND	ug/kg	379	1	09/27/20 13:01	09/29/20 20:23	87-68-3	
Hexachlorobenzene	ND	ug/kg	379	1	09/27/20 13:01	09/29/20 20:23	118-74-1	
Hexachlorocyclopentadiene	ND	ug/kg	379	1	09/27/20 13:01	09/29/20 20:23	77-47-4	
Hexachloroethane	ND	ug/kg	379	1	09/27/20 13:01	09/29/20 20:23	67-72-1	
Indeno(1,2,3-cd)pyrene	ND	ug/kg	379	1	09/27/20 13:01	09/29/20 20:23	193-39-5	
Isophorone	ND	ug/kg	379	1	09/27/20 13:01	09/29/20 20:23	78-59-1	
2-Methylnaphthalene	ND	ug/kg	379	1	09/27/20 13:01	09/29/20 20:23	91-57-6	
2-Methylphenol(o-Cresol)	ND	ug/kg	379	1	09/27/20 13:01	09/29/20 20:23	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/kg	379	1	09/27/20 13:01	09/29/20 20:23	15831-10-4	
Naphthalene	ND	ug/kg	379	1	09/27/20 13:01	09/29/20 20:23	91-20-3	
2-Nitroaniline	ND	ug/kg	758	1	09/27/20 13:01	09/29/20 20:23	88-74-4	
3-Nitroaniline	ND	ug/kg	758	1	09/27/20 13:01	09/29/20 20:23	99-09-2	
4-Nitroaniline	ND	ug/kg	758	1	09/27/20 13:01	09/29/20 20:23	100-01-6	
Nitrobenzene	ND	ug/kg	379	1	09/27/20 13:01	09/29/20 20:23	98-95-3	
2-Nitrophenol	ND	ug/kg	379	1	09/27/20 13:01	09/29/20 20:23	88-75-5	
4-Nitrophenol	ND	ug/kg	1920	1	09/27/20 13:01	09/29/20 20:23	100-02-7	
N-Nitroso-di-n-propylamine	ND	ug/kg	379	1	09/27/20 13:01	09/29/20 20:23	621-64-7	
N-Nitrosodiphenylamine	ND	ug/kg	379	1	09/27/20 13:01	09/29/20 20:23	86-30-6	
Pentachlorophenol	ND	ug/kg	1920	1	09/27/20 13:01	09/29/20 20:23	87-86-5	
Phenanthrene	ND	ug/kg	379	1	09/27/20 13:01	09/29/20 20:23	85-01-8	
Phenol	ND	ug/kg	379	1	09/27/20 13:01	09/29/20 20:23	108-95-2	
Pyrene	ND	ug/kg	379	1	09/27/20 13:01	09/29/20 20:23	129-00-0	
Pyridine	ND	ug/kg	379	1	09/27/20 13:01	09/29/20 20:23	110-86-1	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: PINE LAWN

Pace Project No.: 60348944

Sample: DPT-2-SO-(3-5) **Lab ID:** 60348944002 **Collected:** 09/21/20 15:26 **Received:** 09/22/20 04:15 **Matrix:** Solid

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

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
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8270 MSSV Semivolatiles

Analytical Method: EPA 8270 Preparation Method: EPA 3546

Pace Analytical Services - Kansas City

1,2,4-Trichlorobenzene	ND	ug/kg	379	1	09/27/20 13:01	09/29/20 20:23	120-82-1	
2,4,5-Trichlorophenol	ND	ug/kg	379	1	09/27/20 13:01	09/29/20 20:23	95-95-4	
2,4,6-Trichlorophenol	ND	ug/kg	379	1	09/27/20 13:01	09/29/20 20:23	88-06-2	
Surrogates								
Nitrobenzene-d5 (S)	77	%	33-132	1	09/27/20 13:01	09/29/20 20:23	4165-60-0	
2-Fluorobiphenyl (S)	76	%	39-136	1	09/27/20 13:01	09/29/20 20:23	321-60-8	
Terphenyl-d14 (S)	78	%	29-131	1	09/27/20 13:01	09/29/20 20:23	1718-51-0	
Phenol-d6 (S)	70	%	43-95	1	09/27/20 13:01	09/29/20 20:23	13127-88-3	
2-Fluorophenol (S)	71	%	43-96	1	09/27/20 13:01	09/29/20 20:23	367-12-4	
2,4,6-Tribromophenol (S)	77	%	41-108	1	09/27/20 13:01	09/29/20 20:23	118-79-6	

8270 MSSV DRO/ORO

Analytical Method: EPA 8270 Preparation Method: EPA 3546

Pace Analytical Services - Kansas City

TPH-ORO	83.6	mg/kg	35.3	2	09/25/20 15:43	09/29/20 02:52		
TPH-DRO	51.4	mg/kg	35.3	2	09/25/20 15:43	09/29/20 02:52		
Surrogates								
Nitrobenzene-d5 (S)	71	%	33-132	2	09/25/20 15:43	09/29/20 02:52	4165-60-0	D3
2-Fluorobiphenyl (S)	77	%	39-136	2	09/25/20 15:43	09/29/20 02:52	321-60-8	
Terphenyl-d14 (S)	75	%	29-131	2	09/25/20 15:43	09/29/20 02:52	1718-51-0	

8260 MSV 5035A VOA

Analytical Method: EPA 8260B Preparation Method: EPA 5035A/5030

Pace Analytical Services - Kansas City

Acetone	53.1	ug/kg	17.0	1	09/23/20 10:09	09/23/20 17:14	67-64-1	
Benzene	ND	ug/kg	4.3	1	09/23/20 10:09	09/23/20 17:14	71-43-2	
Bromobenzene	ND	ug/kg	4.3	1	09/23/20 10:09	09/23/20 17:14	108-86-1	
Bromochloromethane	ND	ug/kg	4.3	1	09/23/20 10:09	09/23/20 17:14	74-97-5	
Bromodichloromethane	ND	ug/kg	4.3	1	09/23/20 10:09	09/23/20 17:14	75-27-4	
Bromoform	ND	ug/kg	4.3	1	09/23/20 10:09	09/23/20 17:14	75-25-2	
Bromomethane	ND	ug/kg	4.3	1	09/23/20 10:09	09/23/20 17:14	74-83-9	
2-Butanone (MEK)	9.1	ug/kg	8.5	1	09/23/20 10:09	09/23/20 17:14	78-93-3	
n-Butylbenzene	ND	ug/kg	4.3	1	09/23/20 10:09	09/23/20 17:14	104-51-8	
sec-Butylbenzene	ND	ug/kg	4.3	1	09/23/20 10:09	09/23/20 17:14	135-98-8	
tert-Butylbenzene	ND	ug/kg	21.3	1	09/23/20 10:09	09/23/20 17:14	98-06-6	
Carbon disulfide	5.1	ug/kg	4.3	1	09/23/20 10:09	09/23/20 17:14	75-15-0	
Carbon tetrachloride	ND	ug/kg	4.3	1	09/23/20 10:09	09/23/20 17:14	56-23-5	
Chlorobenzene	ND	ug/kg	4.3	1	09/23/20 10:09	09/23/20 17:14	108-90-7	
Chloroethane	ND	ug/kg	4.3	1	09/23/20 10:09	09/23/20 17:14	75-00-3	
Chloroform	ND	ug/kg	4.3	1	09/23/20 10:09	09/23/20 17:14	67-66-3	
Chloromethane	ND	ug/kg	4.3	1	09/23/20 10:09	09/23/20 17:14	74-87-3	
2-Chlorotoluene	ND	ug/kg	4.3	1	09/23/20 10:09	09/23/20 17:14	95-49-8	
4-Chlorotoluene	ND	ug/kg	4.3	1	09/23/20 10:09	09/23/20 17:14	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/kg	8.5	1	09/23/20 10:09	09/23/20 17:14	96-12-8	
Dibromochloromethane	ND	ug/kg	4.3	1	09/23/20 10:09	09/23/20 17:14	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	4.3	1	09/23/20 10:09	09/23/20 17:14	106-93-4	
Dibromomethane	ND	ug/kg	4.3	1	09/23/20 10:09	09/23/20 17:14	74-95-3	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: PINE LAWN

Pace Project No.: 60348944

Sample: DPT-2-SO-(3-5) Lab ID: 60348944002 Collected: 09/21/20 15:26 Received: 09/22/20 04:15 Matrix: Solid

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

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035A VOA		Analytical Method: EPA 8260B Preparation Method: EPA 5035A/5030						
Pace Analytical Services - Kansas City								
1,2-Dichlorobenzene	ND	ug/kg	4.3	1	09/23/20 10:09	09/23/20 17:14	95-50-1	IL
1,3-Dichlorobenzene	ND	ug/kg	4.3	1	09/23/20 10:09	09/23/20 17:14	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	4.3	1	09/23/20 10:09	09/23/20 17:14	106-46-7	
Dichlorodifluoromethane	ND	ug/kg	4.3	1	09/23/20 10:09	09/23/20 17:14	75-71-8	
1,1-Dichloroethane	ND	ug/kg	4.3	1	09/23/20 10:09	09/23/20 17:14	75-34-3	
1,2-Dichloroethane	ND	ug/kg	4.3	1	09/23/20 10:09	09/23/20 17:14	107-06-2	
1,2-Dichloroethene (Total)	ND	ug/kg	4.3	1	09/23/20 10:09	09/23/20 17:14	540-59-0	
1,1-Dichloroethene	ND	ug/kg	4.3	1	09/23/20 10:09	09/23/20 17:14	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	4.3	1	09/23/20 10:09	09/23/20 17:14	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	4.3	1	09/23/20 10:09	09/23/20 17:14	156-60-5	
1,2-Dichloropropane	ND	ug/kg	4.3	1	09/23/20 10:09	09/23/20 17:14	78-87-5	
1,3-Dichloropropane	ND	ug/kg	4.3	1	09/23/20 10:09	09/23/20 17:14	142-28-9	
2,2-Dichloropropane	ND	ug/kg	4.3	1	09/23/20 10:09	09/23/20 17:14	594-20-7	
1,1-Dichloropropene	ND	ug/kg	4.3	1	09/23/20 10:09	09/23/20 17:14	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	4.3	1	09/23/20 10:09	09/23/20 17:14	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	4.3	1	09/23/20 10:09	09/23/20 17:14	10061-02-6	
Ethylbenzene	ND	ug/kg	4.3	1	09/23/20 10:09	09/23/20 17:14	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/kg	4.3	1	09/23/20 10:09	09/23/20 17:14	87-68-3	
2-Hexanone	ND	ug/kg	17.0	1	09/23/20 10:09	09/23/20 17:14	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/kg	4.3	1	09/23/20 10:09	09/23/20 17:14	98-82-8	
p-Isopropyltoluene	ND	ug/kg	4.3	1	09/23/20 10:09	09/23/20 17:14	99-87-6	
Methylene Chloride	ND	ug/kg	4.3	1	09/23/20 10:09	09/23/20 17:14	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	8.5	1	09/23/20 10:09	09/23/20 17:14	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	4.3	1	09/23/20 10:09	09/23/20 17:14	1634-04-4	
Naphthalene	ND	ug/kg	8.5	1	09/23/20 10:09	09/23/20 17:14	91-20-3	
n-Propylbenzene	ND	ug/kg	4.3	1	09/23/20 10:09	09/23/20 17:14	103-65-1	
Styrene	ND	ug/kg	4.3	1	09/23/20 10:09	09/23/20 17:14	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	4.3	1	09/23/20 10:09	09/23/20 17:14	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	4.3	1	09/23/20 10:09	09/23/20 17:14	79-34-5	
Tetrachloroethene	ND	ug/kg	4.3	1	09/23/20 10:09	09/23/20 17:14	127-18-4	
Toluene	ND	ug/kg	4.3	1	09/23/20 10:09	09/23/20 17:14	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	4.3	1	09/23/20 10:09	09/23/20 17:14	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	4.3	1	09/23/20 10:09	09/23/20 17:14	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	4.3	1	09/23/20 10:09	09/23/20 17:14	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	4.3	1	09/23/20 10:09	09/23/20 17:14	79-00-5	
Trichloroethene	ND	ug/kg	4.3	1	09/23/20 10:09	09/23/20 17:14	79-01-6	
Trichlorofluoromethane	ND	ug/kg	4.3	1	09/23/20 10:09	09/23/20 17:14	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	4.3	1	09/23/20 10:09	09/23/20 17:14	96-18-4	
1,2,4-Trimethylbenzene	4.6	ug/kg	4.3	1	09/23/20 10:09	09/23/20 17:14	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	4.3	1	09/23/20 10:09	09/23/20 17:14	108-67-8	
Vinyl chloride	ND	ug/kg	4.3	1	09/23/20 10:09	09/23/20 17:14	75-01-4	
Xylene (Total)	ND	ug/kg	4.3	1	09/23/20 10:09	09/23/20 17:14	1330-20-7	
Surrogates								
Toluene-d8 (S)	100	%	80-120	1	09/23/20 10:09	09/23/20 17:14	2037-26-5	
4-Bromofluorobenzene (S)	100	%	85-115	1	09/23/20 10:09	09/23/20 17:14	460-00-4	

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ANALYTICAL RESULTS

Project: PINE LAWN

Pace Project No.: 60348944

Sample: DPT-2-SO-(3-5) **Lab ID:** 60348944002 Collected: 09/21/20 15:26 Received: 09/22/20 04:15 Matrix: Solid

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

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035A VOA								
Analytical Method: EPA 8260B Preparation Method: EPA 5035A/5030								
Pace Analytical Services - Kansas City								
Surrogates								
1,2-Dichloroethane-d4 (S)	103	%	78-118	1	09/23/20 10:09	09/23/20 17:14	17060-07-0	
8260 MSV GRO and Oxygenates								
Analytical Method: EPA 8260 Preparation Method: EPA 5035								
Pace Analytical Services - Kansas City								
TPH-GRO	ND	mg/kg	0.43	1	09/23/20 10:30	09/23/20 17:14		
Surrogates								
Toluene-d8 (S)	100	%	78-122	1	09/23/20 10:30	09/23/20 17:14	2037-26-5	
4-Bromofluorobenzene (S)	100	%	69-133	1	09/23/20 10:30	09/23/20 17:14	460-00-4	
1,2-Dichloroethane-d4 (S)	103	%	80-123	1	09/23/20 10:30	09/23/20 17:14	17060-07-0	
Percent Moisture								
Analytical Method: ASTM D2974								
Pace Analytical Services - Kansas City								
Percent Moisture	16.4	%	0.50	1		09/23/20 14:43		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: PINE LAWN

Pace Project No.: 60348944

Sample: DPT-3-SO-(28-28.8) **Lab ID:** 60348944003 **Collected:** 09/21/20 16:06 **Received:** 09/22/20 04:15 **Matrix:** Solid

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

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8082 GCS PCB SW								
Analytical Method: EPA 8082 Preparation Method: EPA 3546								
Pace Analytical Services - Kansas City								
PCB-1016 (Aroclor 1016)	ND	ug/kg	36.3	1	09/29/20 15:19	10/01/20 17:05	12674-11-2	
PCB-1221 (Aroclor 1221)	ND	ug/kg	36.3	1	09/29/20 15:19	10/01/20 17:05	11104-28-2	
PCB-1232 (Aroclor 1232)	ND	ug/kg	36.3	1	09/29/20 15:19	10/01/20 17:05	11141-16-5	
PCB-1242 (Aroclor 1242)	ND	ug/kg	36.3	1	09/29/20 15:19	10/01/20 17:05	53469-21-9	
PCB-1248 (Aroclor 1248)	ND	ug/kg	36.3	1	09/29/20 15:19	10/01/20 17:05	12672-29-6	
PCB-1254 (Aroclor 1254)	ND	ug/kg	36.3	1	09/29/20 15:19	10/01/20 17:05	11097-69-1	
PCB-1260 (Aroclor 1260)	ND	ug/kg	36.3	1	09/29/20 15:19	10/01/20 17:05	11096-82-5	
Surrogates								
Decachlorobiphenyl (S)	90	%	28-143	1	09/29/20 15:19	10/01/20 17:05	2051-24-3	
6010 MET ICP Red. Interference								
Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Pace Analytical Services - Kansas City								
Arsenic	4.1	mg/kg	2.5	3	10/01/20 11:39	10/02/20 14:04	7440-38-2	
Barium	103	mg/kg	1.2	3	10/01/20 11:39	10/02/20 14:04	7440-39-3	
Cadmium	ND	mg/kg	1.2	3	10/01/20 11:39	10/02/20 14:04	7440-43-9	D3
Chromium	85.1	mg/kg	1.2	3	10/01/20 11:39	10/02/20 14:04	7440-47-3	
Lead	2.7	mg/kg	2.5	3	10/01/20 11:39	10/02/20 14:04	7439-92-1	
Selenium	ND	mg/kg	3.7	3	10/01/20 11:39	10/02/20 14:04	7782-49-2	D3
Silver	ND	mg/kg	1.7	3	10/01/20 11:39	10/02/20 14:04	7440-22-4	D3
7471 Mercury								
Analytical Method: EPA 7471 Preparation Method: EPA 7471								
Pace Analytical Services - Kansas City								
Mercury	ND	mg/kg	0.054	1	09/28/20 14:40	09/29/20 13:11	7439-97-6	
8270 MSSV Semivolatiles								
Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Pace Analytical Services - Kansas City								
Acenaphthene	ND	ug/kg	358	1	09/27/20 13:01	09/29/20 20:44	83-32-9	
Acenaphthylene	ND	ug/kg	358	1	09/27/20 13:01	09/29/20 20:44	208-96-8	
Anthracene	ND	ug/kg	358	1	09/27/20 13:01	09/29/20 20:44	120-12-7	
Benzo(a)anthracene	ND	ug/kg	358	1	09/27/20 13:01	09/29/20 20:44	56-55-3	
Benzo(a)pyrene	ND	ug/kg	358	1	09/27/20 13:01	09/29/20 20:44	50-32-8	
Benzo(b)fluoranthene	ND	ug/kg	358	1	09/27/20 13:01	09/29/20 20:44	205-99-2	
Benzo(g,h,i)perylene	ND	ug/kg	358	1	09/27/20 13:01	09/29/20 20:44	191-24-2	
Benzo(k)fluoranthene	ND	ug/kg	358	1	09/27/20 13:01	09/29/20 20:44	207-08-9	
Benzoic Acid	ND	ug/kg	1810	1	09/27/20 13:01	09/29/20 20:44	65-85-0	L1
Benzyl alcohol	ND	ug/kg	716	1	09/27/20 13:01	09/29/20 20:44	100-51-6	
4-Bromophenylphenyl ether	ND	ug/kg	358	1	09/27/20 13:01	09/29/20 20:44	101-55-3	
Butylbenzylphthalate	ND	ug/kg	358	1	09/27/20 13:01	09/29/20 20:44	85-68-7	
Carbazole	ND	ug/kg	358	1	09/27/20 13:01	09/29/20 20:44	86-74-8	
4-Chloro-3-methylphenol	ND	ug/kg	716	1	09/27/20 13:01	09/29/20 20:44	59-50-7	
4-Chloroaniline	ND	ug/kg	716	1	09/27/20 13:01	09/29/20 20:44	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/kg	358	1	09/27/20 13:01	09/29/20 20:44	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/kg	358	1	09/27/20 13:01	09/29/20 20:44	111-44-4	
bis(2-Chloroisopropyl) ether	ND	ug/kg	358	1	09/27/20 13:01	09/29/20 20:44	108-60-1	
2-Chloronaphthalene	ND	ug/kg	358	1	09/27/20 13:01	09/29/20 20:44	91-58-7	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: PINE LAWN

Pace Project No.: 60348944

Sample: DPT-3-SO-(28-28.8) **Lab ID:** 60348944003 **Collected:** 09/21/20 16:06 **Received:** 09/22/20 04:15 **Matrix:** Solid

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

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Semivolatiles		Analytical Method: EPA 8270 Preparation Method: EPA 3546 Pace Analytical Services - Kansas City						
2-Chlorophenol	ND	ug/kg	358	1	09/27/20 13:01	09/29/20 20:44	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/kg	358	1	09/27/20 13:01	09/29/20 20:44	7005-72-3	
Chrysene	ND	ug/kg	358	1	09/27/20 13:01	09/29/20 20:44	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	358	1	09/27/20 13:01	09/29/20 20:44	53-70-3	
Dibenzofuran	ND	ug/kg	358	1	09/27/20 13:01	09/29/20 20:44	132-64-9	
1,2-Dichlorobenzene	ND	ug/kg	358	1	09/27/20 13:01	09/29/20 20:44	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	358	1	09/27/20 13:01	09/29/20 20:44	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	358	1	09/27/20 13:01	09/29/20 20:44	106-46-7	
3,3'-Dichlorobenzidine	ND	ug/kg	716	1	09/27/20 13:01	09/29/20 20:44	91-94-1	
2,4-Dichlorophenol	ND	ug/kg	358	1	09/27/20 13:01	09/29/20 20:44	120-83-2	
Diethylphthalate	ND	ug/kg	358	1	09/27/20 13:01	09/29/20 20:44	84-66-2	
2,4-Dimethylphenol	ND	ug/kg	358	1	09/27/20 13:01	09/29/20 20:44	105-67-9	
Dimethylphthalate	ND	ug/kg	358	1	09/27/20 13:01	09/29/20 20:44	131-11-3	
Di-n-butylphthalate	ND	ug/kg	358	1	09/27/20 13:01	09/29/20 20:44	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/kg	1810	1	09/27/20 13:01	09/29/20 20:44	534-52-1	
2,4-Dinitrophenol	ND	ug/kg	1810	1	09/27/20 13:01	09/29/20 20:44	51-28-5	
2,4-Dinitrotoluene	ND	ug/kg	358	1	09/27/20 13:01	09/29/20 20:44	121-14-2	
2,6-Dinitrotoluene	ND	ug/kg	358	1	09/27/20 13:01	09/29/20 20:44	606-20-2	
Di-n-octylphthalate	ND	ug/kg	358	1	09/27/20 13:01	09/29/20 20:44	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/kg	358	1	09/27/20 13:01	09/29/20 20:44	117-81-7	
Fluoranthene	ND	ug/kg	358	1	09/27/20 13:01	09/29/20 20:44	206-44-0	
Fluorene	ND	ug/kg	358	1	09/27/20 13:01	09/29/20 20:44	86-73-7	
Hexachloro-1,3-butadiene	ND	ug/kg	358	1	09/27/20 13:01	09/29/20 20:44	87-68-3	
Hexachlorobenzene	ND	ug/kg	358	1	09/27/20 13:01	09/29/20 20:44	118-74-1	
Hexachlorocyclopentadiene	ND	ug/kg	358	1	09/27/20 13:01	09/29/20 20:44	77-47-4	
Hexachloroethane	ND	ug/kg	358	1	09/27/20 13:01	09/29/20 20:44	67-72-1	
Indeno(1,2,3-cd)pyrene	ND	ug/kg	358	1	09/27/20 13:01	09/29/20 20:44	193-39-5	
Isophorone	ND	ug/kg	358	1	09/27/20 13:01	09/29/20 20:44	78-59-1	
2-Methylnaphthalene	ND	ug/kg	358	1	09/27/20 13:01	09/29/20 20:44	91-57-6	
2-Methylphenol(o-Cresol)	ND	ug/kg	358	1	09/27/20 13:01	09/29/20 20:44	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/kg	358	1	09/27/20 13:01	09/29/20 20:44	15831-10-4	
Naphthalene	ND	ug/kg	358	1	09/27/20 13:01	09/29/20 20:44	91-20-3	
2-Nitroaniline	ND	ug/kg	716	1	09/27/20 13:01	09/29/20 20:44	88-74-4	
3-Nitroaniline	ND	ug/kg	716	1	09/27/20 13:01	09/29/20 20:44	99-09-2	
4-Nitroaniline	ND	ug/kg	716	1	09/27/20 13:01	09/29/20 20:44	100-01-6	
Nitrobenzene	ND	ug/kg	358	1	09/27/20 13:01	09/29/20 20:44	98-95-3	
2-Nitrophenol	ND	ug/kg	358	1	09/27/20 13:01	09/29/20 20:44	88-75-5	
4-Nitrophenol	ND	ug/kg	1810	1	09/27/20 13:01	09/29/20 20:44	100-02-7	
N-Nitroso-di-n-propylamine	ND	ug/kg	358	1	09/27/20 13:01	09/29/20 20:44	621-64-7	
N-Nitrosodiphenylamine	ND	ug/kg	358	1	09/27/20 13:01	09/29/20 20:44	86-30-6	
Pentachlorophenol	ND	ug/kg	1810	1	09/27/20 13:01	09/29/20 20:44	87-86-5	
Phenanthrene	ND	ug/kg	358	1	09/27/20 13:01	09/29/20 20:44	85-01-8	
Phenol	ND	ug/kg	358	1	09/27/20 13:01	09/29/20 20:44	108-95-2	
Pyrene	ND	ug/kg	358	1	09/27/20 13:01	09/29/20 20:44	129-00-0	
Pyridine	ND	ug/kg	358	1	09/27/20 13:01	09/29/20 20:44	110-86-1	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: PINE LAWN

Pace Project No.: 60348944

Sample: DPT-3-SO-(28-28.8) **Lab ID:** 60348944003 **Collected:** 09/21/20 16:06 **Received:** 09/22/20 04:15 **Matrix:** Solid

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

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Semivolatiles								
Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Pace Analytical Services - Kansas City								
1,2,4-Trichlorobenzene	ND	ug/kg	358	1	09/27/20 13:01	09/29/20 20:44	120-82-1	
2,4,5-Trichlorophenol	ND	ug/kg	358	1	09/27/20 13:01	09/29/20 20:44	95-95-4	
2,4,6-Trichlorophenol	ND	ug/kg	358	1	09/27/20 13:01	09/29/20 20:44	88-06-2	
Surrogates								
Nitrobenzene-d5 (S)	76	%	33-132	1	09/27/20 13:01	09/29/20 20:44	4165-60-0	
2-Fluorobiphenyl (S)	75	%	39-136	1	09/27/20 13:01	09/29/20 20:44	321-60-8	
Terphenyl-d14 (S)	78	%	29-131	1	09/27/20 13:01	09/29/20 20:44	1718-51-0	
Phenol-d6 (S)	70	%	43-95	1	09/27/20 13:01	09/29/20 20:44	13127-88-3	
2-Fluorophenol (S)	70	%	43-96	1	09/27/20 13:01	09/29/20 20:44	367-12-4	
2,4,6-Tribromophenol (S)	72	%	41-108	1	09/27/20 13:01	09/29/20 20:44	118-79-6	
8270 MSSV DRO/ORO								
Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Pace Analytical Services - Kansas City								
TPH-ORO	ND	mg/kg	16.5	1	09/25/20 15:43	09/29/20 03:12		
TPH-DRO	ND	mg/kg	16.5	1	09/25/20 15:43	09/29/20 03:12		
Surrogates								
Nitrobenzene-d5 (S)	76	%	33-132	1	09/25/20 15:43	09/29/20 03:12	4165-60-0	
2-Fluorobiphenyl (S)	80	%	39-136	1	09/25/20 15:43	09/29/20 03:12	321-60-8	
Terphenyl-d14 (S)	78	%	29-131	1	09/25/20 15:43	09/29/20 03:12	1718-51-0	
8260 MSV 5035A VOA								
Analytical Method: EPA 8260B Preparation Method: EPA 5035A/5030								
Pace Analytical Services - Kansas City								
Acetone	ND	ug/kg	14.1	1	09/23/20 10:09	09/23/20 17:30	67-64-1	
Benzene	ND	ug/kg	3.5	1	09/23/20 10:09	09/23/20 17:30	71-43-2	
Bromobenzene	ND	ug/kg	3.5	1	09/23/20 10:09	09/23/20 17:30	108-86-1	
Bromochloromethane	ND	ug/kg	3.5	1	09/23/20 10:09	09/23/20 17:30	74-97-5	
Bromodichloromethane	ND	ug/kg	3.5	1	09/23/20 10:09	09/23/20 17:30	75-27-4	
Bromoform	ND	ug/kg	3.5	1	09/23/20 10:09	09/23/20 17:30	75-25-2	
Bromomethane	ND	ug/kg	3.5	1	09/23/20 10:09	09/23/20 17:30	74-83-9	
2-Butanone (MEK)	ND	ug/kg	7.0	1	09/23/20 10:09	09/23/20 17:30	78-93-3	
n-Butylbenzene	ND	ug/kg	3.5	1	09/23/20 10:09	09/23/20 17:30	104-51-8	
sec-Butylbenzene	ND	ug/kg	3.5	1	09/23/20 10:09	09/23/20 17:30	135-98-8	
tert-Butylbenzene	ND	ug/kg	17.6	1	09/23/20 10:09	09/23/20 17:30	98-06-6	
Carbon disulfide	ND	ug/kg	3.5	1	09/23/20 10:09	09/23/20 17:30	75-15-0	
Carbon tetrachloride	ND	ug/kg	3.5	1	09/23/20 10:09	09/23/20 17:30	56-23-5	
Chlorobenzene	ND	ug/kg	3.5	1	09/23/20 10:09	09/23/20 17:30	108-90-7	
Chloroethane	ND	ug/kg	3.5	1	09/23/20 10:09	09/23/20 17:30	75-00-3	
Chloroform	ND	ug/kg	3.5	1	09/23/20 10:09	09/23/20 17:30	67-66-3	
Chloromethane	ND	ug/kg	3.5	1	09/23/20 10:09	09/23/20 17:30	74-87-3	
2-Chlorotoluene	ND	ug/kg	3.5	1	09/23/20 10:09	09/23/20 17:30	95-49-8	
4-Chlorotoluene	ND	ug/kg	3.5	1	09/23/20 10:09	09/23/20 17:30	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/kg	7.0	1	09/23/20 10:09	09/23/20 17:30	96-12-8	
Dibromochloromethane	ND	ug/kg	3.5	1	09/23/20 10:09	09/23/20 17:30	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	3.5	1	09/23/20 10:09	09/23/20 17:30	106-93-4	
Dibromomethane	ND	ug/kg	3.5	1	09/23/20 10:09	09/23/20 17:30	74-95-3	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: PINE LAWN

Pace Project No.: 60348944

Sample: DPT-3-SO-(28-28.8) **Lab ID:** 60348944003 **Collected:** 09/21/20 16:06 **Received:** 09/22/20 04:15 **Matrix:** Solid

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

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035A VOA								
Analytical Method: EPA 8260B Preparation Method: EPA 5035A/5030								
Pace Analytical Services - Kansas City								
1,2-Dichlorobenzene	ND	ug/kg	3.5	1	09/23/20 10:09	09/23/20 17:30	95-50-1	IL
1,3-Dichlorobenzene	ND	ug/kg	3.5	1	09/23/20 10:09	09/23/20 17:30	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	3.5	1	09/23/20 10:09	09/23/20 17:30	106-46-7	
Dichlorodifluoromethane	ND	ug/kg	3.5	1	09/23/20 10:09	09/23/20 17:30	75-71-8	
1,1-Dichloroethane	ND	ug/kg	3.5	1	09/23/20 10:09	09/23/20 17:30	75-34-3	
1,2-Dichloroethane	ND	ug/kg	3.5	1	09/23/20 10:09	09/23/20 17:30	107-06-2	
1,2-Dichloroethene (Total)	ND	ug/kg	3.5	1	09/23/20 10:09	09/23/20 17:30	540-59-0	
1,1-Dichloroethene	ND	ug/kg	3.5	1	09/23/20 10:09	09/23/20 17:30	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	3.5	1	09/23/20 10:09	09/23/20 17:30	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	3.5	1	09/23/20 10:09	09/23/20 17:30	156-60-5	
1,2-Dichloropropane	ND	ug/kg	3.5	1	09/23/20 10:09	09/23/20 17:30	78-87-5	
1,3-Dichloropropane	ND	ug/kg	3.5	1	09/23/20 10:09	09/23/20 17:30	142-28-9	
2,2-Dichloropropane	ND	ug/kg	3.5	1	09/23/20 10:09	09/23/20 17:30	594-20-7	
1,1-Dichloropropene	ND	ug/kg	3.5	1	09/23/20 10:09	09/23/20 17:30	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	3.5	1	09/23/20 10:09	09/23/20 17:30	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	3.5	1	09/23/20 10:09	09/23/20 17:30	10061-02-6	
Ethylbenzene	ND	ug/kg	3.5	1	09/23/20 10:09	09/23/20 17:30	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/kg	3.5	1	09/23/20 10:09	09/23/20 17:30	87-68-3	
2-Hexanone	ND	ug/kg	14.1	1	09/23/20 10:09	09/23/20 17:30	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/kg	3.5	1	09/23/20 10:09	09/23/20 17:30	98-82-8	
p-Isopropyltoluene	ND	ug/kg	3.5	1	09/23/20 10:09	09/23/20 17:30	99-87-6	
Methylene Chloride	ND	ug/kg	3.5	1	09/23/20 10:09	09/23/20 17:30	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	7.0	1	09/23/20 10:09	09/23/20 17:30	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	3.5	1	09/23/20 10:09	09/23/20 17:30	1634-04-4	
Naphthalene	ND	ug/kg	7.0	1	09/23/20 10:09	09/23/20 17:30	91-20-3	
n-Propylbenzene	ND	ug/kg	3.5	1	09/23/20 10:09	09/23/20 17:30	103-65-1	
Styrene	ND	ug/kg	3.5	1	09/23/20 10:09	09/23/20 17:30	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	3.5	1	09/23/20 10:09	09/23/20 17:30	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	3.5	1	09/23/20 10:09	09/23/20 17:30	79-34-5	
Tetrachloroethene	ND	ug/kg	3.5	1	09/23/20 10:09	09/23/20 17:30	127-18-4	
Toluene	ND	ug/kg	3.5	1	09/23/20 10:09	09/23/20 17:30	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	3.5	1	09/23/20 10:09	09/23/20 17:30	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	3.5	1	09/23/20 10:09	09/23/20 17:30	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	3.5	1	09/23/20 10:09	09/23/20 17:30	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	3.5	1	09/23/20 10:09	09/23/20 17:30	79-00-5	
Trichloroethene	ND	ug/kg	3.5	1	09/23/20 10:09	09/23/20 17:30	79-01-6	
Trichlorofluoromethane	ND	ug/kg	3.5	1	09/23/20 10:09	09/23/20 17:30	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	3.5	1	09/23/20 10:09	09/23/20 17:30	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/kg	3.5	1	09/23/20 10:09	09/23/20 17:30	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	3.5	1	09/23/20 10:09	09/23/20 17:30	108-67-8	
Vinyl chloride	ND	ug/kg	3.5	1	09/23/20 10:09	09/23/20 17:30	75-01-4	
Xylene (Total)	ND	ug/kg	3.5	1	09/23/20 10:09	09/23/20 17:30	1330-20-7	
Surrogates								
Toluene-d8 (S)	100	%	80-120	1	09/23/20 10:09	09/23/20 17:30	2037-26-5	
4-Bromofluorobenzene (S)	97	%	85-115	1	09/23/20 10:09	09/23/20 17:30	460-00-4	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: PINE LAWN

Pace Project No.: 60348944

Sample: DPT-3-SO-(28-28.8) **Lab ID:** 60348944003 Collected: 09/21/20 16:06 Received: 09/22/20 04:15 Matrix: Solid

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

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035A VOA								
Analytical Method: EPA 8260B Preparation Method: EPA 5035A/5030								
Pace Analytical Services - Kansas City								
Surrogates								
1,2-Dichloroethane-d4 (S)	111	%	78-118	1	09/23/20 10:09	09/23/20 17:30	17060-07-0	
8260 MSV GRO and Oxygenates								
Analytical Method: EPA 8260 Preparation Method: EPA 5035								
Pace Analytical Services - Kansas City								
TPH-GRO	ND	mg/kg	0.35	1	09/23/20 10:30	09/23/20 17:30		
Surrogates								
Toluene-d8 (S)	100	%	78-122	1	09/23/20 10:30	09/23/20 17:30	2037-26-5	
4-Bromofluorobenzene (S)	97	%	69-133	1	09/23/20 10:30	09/23/20 17:30	460-00-4	
1,2-Dichloroethane-d4 (S)	111	%	80-123	1	09/23/20 10:30	09/23/20 17:30	17060-07-0	
Percent Moisture								
Analytical Method: ASTM D2974								
Pace Analytical Services - Kansas City								
Percent Moisture	10.9	%	0.50	1		09/23/20 14:43		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: PINE LAWN

Pace Project No.: 60348944

Sample: DPT-3-SO-(28-28.8)-FD **Lab ID:** 60348944004 **Collected:** 09/21/20 16:06 **Received:** 09/22/20 04:15 **Matrix:** Solid

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

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8082 GCS PCB SW								
Analytical Method: EPA 8082 Preparation Method: EPA 3546								
Pace Analytical Services - Kansas City								
PCB-1016 (Aroclor 1016)	ND	ug/kg	36.0	1	09/29/20 15:19	10/01/20 17:58	12674-11-2	
PCB-1221 (Aroclor 1221)	ND	ug/kg	36.0	1	09/29/20 15:19	10/01/20 17:58	11104-28-2	
PCB-1232 (Aroclor 1232)	ND	ug/kg	36.0	1	09/29/20 15:19	10/01/20 17:58	11141-16-5	
PCB-1242 (Aroclor 1242)	ND	ug/kg	36.0	1	09/29/20 15:19	10/01/20 17:58	53469-21-9	
PCB-1248 (Aroclor 1248)	ND	ug/kg	36.0	1	09/29/20 15:19	10/01/20 17:58	12672-29-6	
PCB-1254 (Aroclor 1254)	ND	ug/kg	36.0	1	09/29/20 15:19	10/01/20 17:58	11097-69-1	
PCB-1260 (Aroclor 1260)	ND	ug/kg	36.0	1	09/29/20 15:19	10/01/20 17:58	11096-82-5	
Surrogates								
Decachlorobiphenyl (S)	85	%	28-143	1	09/29/20 15:19	10/01/20 17:58	2051-24-3	
6010 MET ICP Red. Interference								
Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Pace Analytical Services - Kansas City								
Arsenic	1.6	mg/kg	0.88	1	10/01/20 11:39	10/02/20 14:06	7440-38-2	
Barium	55.9	mg/kg	0.44	1	10/01/20 11:39	10/02/20 14:06	7440-39-3	
Cadmium	ND	mg/kg	0.44	1	10/01/20 11:39	10/02/20 14:06	7440-43-9	
Chromium	42.6	mg/kg	0.44	1	10/01/20 11:39	10/02/20 14:06	7440-47-3	
Lead	4.7	mg/kg	0.88	1	10/01/20 11:39	10/02/20 14:06	7439-92-1	
Selenium	ND	mg/kg	1.3	1	10/01/20 11:39	10/02/20 14:06	7782-49-2	
Silver	ND	mg/kg	0.61	1	10/01/20 11:39	10/02/20 14:06	7440-22-4	
7471 Mercury								
Analytical Method: EPA 7471 Preparation Method: EPA 7471								
Pace Analytical Services - Kansas City								
Mercury	ND	mg/kg	0.051	1	09/28/20 14:40	09/29/20 13:13	7439-97-6	
8270 MSSV Semivolatiles								
Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Pace Analytical Services - Kansas City								
Acenaphthene	ND	ug/kg	360	1	09/27/20 13:01	09/29/20 21:05	83-32-9	
Acenaphthylene	ND	ug/kg	360	1	09/27/20 13:01	09/29/20 21:05	208-96-8	
Anthracene	ND	ug/kg	360	1	09/27/20 13:01	09/29/20 21:05	120-12-7	
Benzo(a)anthracene	ND	ug/kg	360	1	09/27/20 13:01	09/29/20 21:05	56-55-3	
Benzo(a)pyrene	ND	ug/kg	360	1	09/27/20 13:01	09/29/20 21:05	50-32-8	
Benzo(b)fluoranthene	ND	ug/kg	360	1	09/27/20 13:01	09/29/20 21:05	205-99-2	
Benzo(g,h,i)perylene	ND	ug/kg	360	1	09/27/20 13:01	09/29/20 21:05	191-24-2	
Benzo(k)fluoranthene	ND	ug/kg	360	1	09/27/20 13:01	09/29/20 21:05	207-08-9	
Benzoic Acid	ND	ug/kg	1820	1	09/27/20 13:01	09/29/20 21:05	65-85-0	L1
Benzyl alcohol	ND	ug/kg	720	1	09/27/20 13:01	09/29/20 21:05	100-51-6	
4-Bromophenylphenyl ether	ND	ug/kg	360	1	09/27/20 13:01	09/29/20 21:05	101-55-3	
Butylbenzylphthalate	ND	ug/kg	360	1	09/27/20 13:01	09/29/20 21:05	85-68-7	
Carbazole	ND	ug/kg	360	1	09/27/20 13:01	09/29/20 21:05	86-74-8	
4-Chloro-3-methylphenol	ND	ug/kg	720	1	09/27/20 13:01	09/29/20 21:05	59-50-7	
4-Chloroaniline	ND	ug/kg	720	1	09/27/20 13:01	09/29/20 21:05	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/kg	360	1	09/27/20 13:01	09/29/20 21:05	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/kg	360	1	09/27/20 13:01	09/29/20 21:05	111-44-4	
bis(2-Chloroisopropyl) ether	ND	ug/kg	360	1	09/27/20 13:01	09/29/20 21:05	108-60-1	
2-Chloronaphthalene	ND	ug/kg	360	1	09/27/20 13:01	09/29/20 21:05	91-58-7	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: PINE LAWN

Pace Project No.: 60348944

Sample: DPT-3-SO-(28-28.8)-FD **Lab ID:** 60348944004 **Collected:** 09/21/20 16:06 **Received:** 09/22/20 04:15 **Matrix:** Solid

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

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Semivolatiles		Analytical Method: EPA 8270 Preparation Method: EPA 3546 Pace Analytical Services - Kansas City						
2-Chlorophenol	ND	ug/kg	360	1	09/27/20 13:01	09/29/20 21:05	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/kg	360	1	09/27/20 13:01	09/29/20 21:05	7005-72-3	
Chrysene	ND	ug/kg	360	1	09/27/20 13:01	09/29/20 21:05	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	360	1	09/27/20 13:01	09/29/20 21:05	53-70-3	
Dibenzofuran	ND	ug/kg	360	1	09/27/20 13:01	09/29/20 21:05	132-64-9	
1,2-Dichlorobenzene	ND	ug/kg	360	1	09/27/20 13:01	09/29/20 21:05	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	360	1	09/27/20 13:01	09/29/20 21:05	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	360	1	09/27/20 13:01	09/29/20 21:05	106-46-7	
3,3'-Dichlorobenzidine	ND	ug/kg	720	1	09/27/20 13:01	09/29/20 21:05	91-94-1	
2,4-Dichlorophenol	ND	ug/kg	360	1	09/27/20 13:01	09/29/20 21:05	120-83-2	
Diethylphthalate	ND	ug/kg	360	1	09/27/20 13:01	09/29/20 21:05	84-66-2	
2,4-Dimethylphenol	ND	ug/kg	360	1	09/27/20 13:01	09/29/20 21:05	105-67-9	
Dimethylphthalate	ND	ug/kg	360	1	09/27/20 13:01	09/29/20 21:05	131-11-3	
Di-n-butylphthalate	ND	ug/kg	360	1	09/27/20 13:01	09/29/20 21:05	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/kg	1820	1	09/27/20 13:01	09/29/20 21:05	534-52-1	
2,4-Dinitrophenol	ND	ug/kg	1820	1	09/27/20 13:01	09/29/20 21:05	51-28-5	
2,4-Dinitrotoluene	ND	ug/kg	360	1	09/27/20 13:01	09/29/20 21:05	121-14-2	
2,6-Dinitrotoluene	ND	ug/kg	360	1	09/27/20 13:01	09/29/20 21:05	606-20-2	
Di-n-octylphthalate	ND	ug/kg	360	1	09/27/20 13:01	09/29/20 21:05	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/kg	360	1	09/27/20 13:01	09/29/20 21:05	117-81-7	
Fluoranthene	ND	ug/kg	360	1	09/27/20 13:01	09/29/20 21:05	206-44-0	
Fluorene	ND	ug/kg	360	1	09/27/20 13:01	09/29/20 21:05	86-73-7	
Hexachloro-1,3-butadiene	ND	ug/kg	360	1	09/27/20 13:01	09/29/20 21:05	87-68-3	
Hexachlorobenzene	ND	ug/kg	360	1	09/27/20 13:01	09/29/20 21:05	118-74-1	
Hexachlorocyclopentadiene	ND	ug/kg	360	1	09/27/20 13:01	09/29/20 21:05	77-47-4	
Hexachloroethane	ND	ug/kg	360	1	09/27/20 13:01	09/29/20 21:05	67-72-1	
Indeno(1,2,3-cd)pyrene	ND	ug/kg	360	1	09/27/20 13:01	09/29/20 21:05	193-39-5	
Isophorone	ND	ug/kg	360	1	09/27/20 13:01	09/29/20 21:05	78-59-1	
2-Methylnaphthalene	ND	ug/kg	360	1	09/27/20 13:01	09/29/20 21:05	91-57-6	
2-Methylphenol(o-Cresol)	ND	ug/kg	360	1	09/27/20 13:01	09/29/20 21:05	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/kg	360	1	09/27/20 13:01	09/29/20 21:05	15831-10-4	
Naphthalene	ND	ug/kg	360	1	09/27/20 13:01	09/29/20 21:05	91-20-3	
2-Nitroaniline	ND	ug/kg	720	1	09/27/20 13:01	09/29/20 21:05	88-74-4	
3-Nitroaniline	ND	ug/kg	720	1	09/27/20 13:01	09/29/20 21:05	99-09-2	
4-Nitroaniline	ND	ug/kg	720	1	09/27/20 13:01	09/29/20 21:05	100-01-6	
Nitrobenzene	ND	ug/kg	360	1	09/27/20 13:01	09/29/20 21:05	98-95-3	
2-Nitrophenol	ND	ug/kg	360	1	09/27/20 13:01	09/29/20 21:05	88-75-5	
4-Nitrophenol	ND	ug/kg	1820	1	09/27/20 13:01	09/29/20 21:05	100-02-7	
N-Nitroso-di-n-propylamine	ND	ug/kg	360	1	09/27/20 13:01	09/29/20 21:05	621-64-7	
N-Nitrosodiphenylamine	ND	ug/kg	360	1	09/27/20 13:01	09/29/20 21:05	86-30-6	
Pentachlorophenol	ND	ug/kg	1820	1	09/27/20 13:01	09/29/20 21:05	87-86-5	
Phenanthrene	ND	ug/kg	360	1	09/27/20 13:01	09/29/20 21:05	85-01-8	
Phenol	ND	ug/kg	360	1	09/27/20 13:01	09/29/20 21:05	108-95-2	
Pyrene	ND	ug/kg	360	1	09/27/20 13:01	09/29/20 21:05	129-00-0	
Pyridine	ND	ug/kg	360	1	09/27/20 13:01	09/29/20 21:05	110-86-1	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: PINE LAWN
Pace Project No.: 60348944

Sample: DPT-3-SO-(28-28.8)-FD **Lab ID:** 60348944004 **Collected:** 09/21/20 16:06 **Received:** 09/22/20 04:15 **Matrix:** Solid

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

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Semivolatiles								
Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Pace Analytical Services - Kansas City								
1,2,4-Trichlorobenzene	ND	ug/kg	360	1	09/27/20 13:01	09/29/20 21:05	120-82-1	
2,4,5-Trichlorophenol	ND	ug/kg	360	1	09/27/20 13:01	09/29/20 21:05	95-95-4	
2,4,6-Trichlorophenol	ND	ug/kg	360	1	09/27/20 13:01	09/29/20 21:05	88-06-2	
Surrogates								
Nitrobenzene-d5 (S)	73	%	33-132	1	09/27/20 13:01	09/29/20 21:05	4165-60-0	
2-Fluorobiphenyl (S)	74	%	39-136	1	09/27/20 13:01	09/29/20 21:05	321-60-8	
Terphenyl-d14 (S)	78	%	29-131	1	09/27/20 13:01	09/29/20 21:05	1718-51-0	
Phenol-d6 (S)	68	%	43-95	1	09/27/20 13:01	09/29/20 21:05	13127-88-3	
2-Fluorophenol (S)	68	%	43-96	1	09/27/20 13:01	09/29/20 21:05	367-12-4	
2,4,6-Tribromophenol (S)	71	%	41-108	1	09/27/20 13:01	09/29/20 21:05	118-79-6	
8270 MSSV DRO/ORO								
Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Pace Analytical Services - Kansas City								
TPH-ORO	ND	mg/kg	16.6	1	09/25/20 15:43	09/29/20 03:32		
TPH-DRO	ND	mg/kg	16.6	1	09/25/20 15:43	09/29/20 03:32		
Surrogates								
Nitrobenzene-d5 (S)	74	%	33-132	1	09/25/20 15:43	09/29/20 03:32	4165-60-0	
2-Fluorobiphenyl (S)	78	%	39-136	1	09/25/20 15:43	09/29/20 03:32	321-60-8	
Terphenyl-d14 (S)	77	%	29-131	1	09/25/20 15:43	09/29/20 03:32	1718-51-0	
8260 MSV 5035A VOA								
Analytical Method: EPA 8260B Preparation Method: EPA 5035A/5030								
Pace Analytical Services - Kansas City								
Acetone	ND	ug/kg	16.1	1	09/23/20 10:09	09/23/20 17:45	67-64-1	
Benzene	ND	ug/kg	4.0	1	09/23/20 10:09	09/23/20 17:45	71-43-2	
Bromobenzene	ND	ug/kg	4.0	1	09/23/20 10:09	09/23/20 17:45	108-86-1	
Bromochloromethane	ND	ug/kg	4.0	1	09/23/20 10:09	09/23/20 17:45	74-97-5	
Bromodichloromethane	ND	ug/kg	4.0	1	09/23/20 10:09	09/23/20 17:45	75-27-4	
Bromoform	ND	ug/kg	4.0	1	09/23/20 10:09	09/23/20 17:45	75-25-2	
Bromomethane	ND	ug/kg	4.0	1	09/23/20 10:09	09/23/20 17:45	74-83-9	
2-Butanone (MEK)	ND	ug/kg	8.1	1	09/23/20 10:09	09/23/20 17:45	78-93-3	
n-Butylbenzene	ND	ug/kg	4.0	1	09/23/20 10:09	09/23/20 17:45	104-51-8	
sec-Butylbenzene	ND	ug/kg	4.0	1	09/23/20 10:09	09/23/20 17:45	135-98-8	
tert-Butylbenzene	ND	ug/kg	20.1	1	09/23/20 10:09	09/23/20 17:45	98-06-6	
Carbon disulfide	ND	ug/kg	4.0	1	09/23/20 10:09	09/23/20 17:45	75-15-0	
Carbon tetrachloride	ND	ug/kg	4.0	1	09/23/20 10:09	09/23/20 17:45	56-23-5	
Chlorobenzene	ND	ug/kg	4.0	1	09/23/20 10:09	09/23/20 17:45	108-90-7	
Chloroethane	ND	ug/kg	4.0	1	09/23/20 10:09	09/23/20 17:45	75-00-3	
Chloroform	ND	ug/kg	4.0	1	09/23/20 10:09	09/23/20 17:45	67-66-3	
Chloromethane	ND	ug/kg	4.0	1	09/23/20 10:09	09/23/20 17:45	74-87-3	
2-Chlorotoluene	ND	ug/kg	4.0	1	09/23/20 10:09	09/23/20 17:45	95-49-8	
4-Chlorotoluene	ND	ug/kg	4.0	1	09/23/20 10:09	09/23/20 17:45	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/kg	8.1	1	09/23/20 10:09	09/23/20 17:45	96-12-8	
Dibromochloromethane	ND	ug/kg	4.0	1	09/23/20 10:09	09/23/20 17:45	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	4.0	1	09/23/20 10:09	09/23/20 17:45	106-93-4	
Dibromomethane	ND	ug/kg	4.0	1	09/23/20 10:09	09/23/20 17:45	74-95-3	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: PINE LAWN

Pace Project No.: 60348944

Sample: DPT-3-SO-(28-28.8)-FD **Lab ID:** 60348944004 **Collected:** 09/21/20 16:06 **Received:** 09/22/20 04:15 **Matrix:** Solid

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

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035A VOA								
Analytical Method: EPA 8260B Preparation Method: EPA 5035A/5030								
Pace Analytical Services - Kansas City								
1,2-Dichlorobenzene	ND	ug/kg	4.0	1	09/23/20 10:09	09/23/20 17:45	95-50-1	IL
1,3-Dichlorobenzene	ND	ug/kg	4.0	1	09/23/20 10:09	09/23/20 17:45	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	4.0	1	09/23/20 10:09	09/23/20 17:45	106-46-7	
Dichlorodifluoromethane	ND	ug/kg	4.0	1	09/23/20 10:09	09/23/20 17:45	75-71-8	
1,1-Dichloroethane	ND	ug/kg	4.0	1	09/23/20 10:09	09/23/20 17:45	75-34-3	
1,2-Dichloroethane	ND	ug/kg	4.0	1	09/23/20 10:09	09/23/20 17:45	107-06-2	
1,2-Dichloroethane (Total)	ND	ug/kg	4.0	1	09/23/20 10:09	09/23/20 17:45	540-59-0	
1,1-Dichloroethene	ND	ug/kg	4.0	1	09/23/20 10:09	09/23/20 17:45	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	4.0	1	09/23/20 10:09	09/23/20 17:45	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	4.0	1	09/23/20 10:09	09/23/20 17:45	156-60-5	
1,2-Dichloropropane	ND	ug/kg	4.0	1	09/23/20 10:09	09/23/20 17:45	78-87-5	
1,3-Dichloropropane	ND	ug/kg	4.0	1	09/23/20 10:09	09/23/20 17:45	142-28-9	
2,2-Dichloropropane	ND	ug/kg	4.0	1	09/23/20 10:09	09/23/20 17:45	594-20-7	
1,1-Dichloropropene	ND	ug/kg	4.0	1	09/23/20 10:09	09/23/20 17:45	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	4.0	1	09/23/20 10:09	09/23/20 17:45	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	4.0	1	09/23/20 10:09	09/23/20 17:45	10061-02-6	
Ethylbenzene	ND	ug/kg	4.0	1	09/23/20 10:09	09/23/20 17:45	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/kg	4.0	1	09/23/20 10:09	09/23/20 17:45	87-68-3	
2-Hexanone	ND	ug/kg	16.1	1	09/23/20 10:09	09/23/20 17:45	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/kg	4.0	1	09/23/20 10:09	09/23/20 17:45	98-82-8	
p-Isopropyltoluene	ND	ug/kg	4.0	1	09/23/20 10:09	09/23/20 17:45	99-87-6	
Methylene Chloride	ND	ug/kg	4.0	1	09/23/20 10:09	09/23/20 17:45	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	8.1	1	09/23/20 10:09	09/23/20 17:45	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	4.0	1	09/23/20 10:09	09/23/20 17:45	1634-04-4	
Naphthalene	ND	ug/kg	8.1	1	09/23/20 10:09	09/23/20 17:45	91-20-3	
n-Propylbenzene	ND	ug/kg	4.0	1	09/23/20 10:09	09/23/20 17:45	103-65-1	
Styrene	ND	ug/kg	4.0	1	09/23/20 10:09	09/23/20 17:45	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	4.0	1	09/23/20 10:09	09/23/20 17:45	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	4.0	1	09/23/20 10:09	09/23/20 17:45	79-34-5	
Tetrachloroethene	ND	ug/kg	4.0	1	09/23/20 10:09	09/23/20 17:45	127-18-4	
Toluene	ND	ug/kg	4.0	1	09/23/20 10:09	09/23/20 17:45	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	4.0	1	09/23/20 10:09	09/23/20 17:45	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	4.0	1	09/23/20 10:09	09/23/20 17:45	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	4.0	1	09/23/20 10:09	09/23/20 17:45	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	4.0	1	09/23/20 10:09	09/23/20 17:45	79-00-5	
Trichloroethene	ND	ug/kg	4.0	1	09/23/20 10:09	09/23/20 17:45	79-01-6	
Trichlorofluoromethane	ND	ug/kg	4.0	1	09/23/20 10:09	09/23/20 17:45	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	4.0	1	09/23/20 10:09	09/23/20 17:45	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/kg	4.0	1	09/23/20 10:09	09/23/20 17:45	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	4.0	1	09/23/20 10:09	09/23/20 17:45	108-67-8	
Vinyl chloride	ND	ug/kg	4.0	1	09/23/20 10:09	09/23/20 17:45	75-01-4	
Xylene (Total)	ND	ug/kg	4.0	1	09/23/20 10:09	09/23/20 17:45	1330-20-7	
Surrogates								
Toluene-d8 (S)	100	%	80-120	1	09/23/20 10:09	09/23/20 17:45	2037-26-5	
4-Bromofluorobenzene (S)	97	%	85-115	1	09/23/20 10:09	09/23/20 17:45	460-00-4	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: PINE LAWN

Pace Project No.: 60348944

Sample: DPT-3-SO-(28-28.8)-FD **Lab ID:** 60348944004 Collected: 09/21/20 16:06 Received: 09/22/20 04:15 Matrix: Solid

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

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035A VOA								
Analytical Method: EPA 8260B Preparation Method: EPA 5035A/5030								
Pace Analytical Services - Kansas City								
Surrogates								
1,2-Dichloroethane-d4 (S)	111	%	78-118	1	09/23/20 10:09	09/23/20 17:45	17060-07-0	
8260 MSV GRO and Oxygenates								
Analytical Method: EPA 8260 Preparation Method: EPA 5035								
Pace Analytical Services - Kansas City								
TPH-GRO	ND	mg/kg	0.40	1	09/23/20 10:30	09/23/20 17:45		
Surrogates								
Toluene-d8 (S)	100	%	78-122	1	09/23/20 10:30	09/23/20 17:45	2037-26-5	
4-Bromofluorobenzene (S)	97	%	69-133	1	09/23/20 10:30	09/23/20 17:45	460-00-4	
1,2-Dichloroethane-d4 (S)	111	%	80-123	1	09/23/20 10:30	09/23/20 17:45	17060-07-0	
Percent Moisture								
Analytical Method: ASTM D2974								
Pace Analytical Services - Kansas City								
Percent Moisture	10.8	%	0.50	1		09/23/20 14:43		

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ANALYTICAL RESULTS

Project: PINE LAWN

Pace Project No.: 60348944

Sample: DPT-4-SO-(28-29) **Lab ID: 60348944005** Collected: 09/21/20 16:41 Received: 09/22/20 04:15 Matrix: Solid

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

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8082 GCS PCB SW								
Analytical Method: EPA 8082 Preparation Method: EPA 3546								
Pace Analytical Services - Kansas City								
PCB-1016 (Aroclor 1016)	ND	ug/kg	36.9	1	09/29/20 15:19	10/01/20 18:16	12674-11-2	
PCB-1221 (Aroclor 1221)	ND	ug/kg	36.9	1	09/29/20 15:19	10/01/20 18:16	11104-28-2	
PCB-1232 (Aroclor 1232)	ND	ug/kg	36.9	1	09/29/20 15:19	10/01/20 18:16	11141-16-5	
PCB-1242 (Aroclor 1242)	ND	ug/kg	36.9	1	09/29/20 15:19	10/01/20 18:16	53469-21-9	
PCB-1248 (Aroclor 1248)	ND	ug/kg	36.9	1	09/29/20 15:19	10/01/20 18:16	12672-29-6	
PCB-1254 (Aroclor 1254)	ND	ug/kg	36.9	1	09/29/20 15:19	10/01/20 18:16	11097-69-1	
PCB-1260 (Aroclor 1260)	ND	ug/kg	36.9	1	09/29/20 15:19	10/01/20 18:16	11096-82-5	
Surrogates								
Decachlorobiphenyl (S)	93	%	28-143	1	09/29/20 15:19	10/01/20 18:16	2051-24-3	
6010 MET ICP Red. Interference								
Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Pace Analytical Services - Kansas City								
Arsenic	ND	mg/kg	1.1	1	10/01/20 11:39	10/02/20 14:13	7440-38-2	
Barium	49.7	mg/kg	0.53	1	10/01/20 11:39	10/02/20 14:13	7440-39-3	
Cadmium	ND	mg/kg	0.53	1	10/01/20 11:39	10/02/20 14:13	7440-43-9	
Chromium	50.8	mg/kg	0.53	1	10/01/20 11:39	10/02/20 14:13	7440-47-3	
Lead	3.2	mg/kg	1.1	1	10/01/20 11:39	10/02/20 14:13	7439-92-1	
Selenium	ND	mg/kg	1.6	1	10/01/20 11:39	10/02/20 14:13	7782-49-2	
Silver	0.83	mg/kg	0.75	1	10/01/20 11:39	10/02/20 14:13	7440-22-4	
7471 Mercury								
Analytical Method: EPA 7471 Preparation Method: EPA 7471								
Pace Analytical Services - Kansas City								
Mercury	ND	mg/kg	0.045	1	09/28/20 14:40	09/29/20 13:15	7439-97-6	
8270 MSSV Semivolatiles								
Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Pace Analytical Services - Kansas City								
Acenaphthene	ND	ug/kg	356	1	09/27/20 13:01	09/29/20 21:27	83-32-9	
Acenaphthylene	ND	ug/kg	356	1	09/27/20 13:01	09/29/20 21:27	208-96-8	
Anthracene	ND	ug/kg	356	1	09/27/20 13:01	09/29/20 21:27	120-12-7	
Benzo(a)anthracene	ND	ug/kg	356	1	09/27/20 13:01	09/29/20 21:27	56-55-3	
Benzo(a)pyrene	ND	ug/kg	356	1	09/27/20 13:01	09/29/20 21:27	50-32-8	
Benzo(b)fluoranthene	ND	ug/kg	356	1	09/27/20 13:01	09/29/20 21:27	205-99-2	
Benzo(g,h,i)perylene	ND	ug/kg	356	1	09/27/20 13:01	09/29/20 21:27	191-24-2	
Benzo(k)fluoranthene	ND	ug/kg	356	1	09/27/20 13:01	09/29/20 21:27	207-08-9	
Benzoic Acid	ND	ug/kg	1800	1	09/27/20 13:01	09/29/20 21:27	65-85-0	L1
Benzyl alcohol	ND	ug/kg	713	1	09/27/20 13:01	09/29/20 21:27	100-51-6	
4-Bromophenylphenyl ether	ND	ug/kg	356	1	09/27/20 13:01	09/29/20 21:27	101-55-3	
Butylbenzylphthalate	ND	ug/kg	356	1	09/27/20 13:01	09/29/20 21:27	85-68-7	
Carbazole	ND	ug/kg	356	1	09/27/20 13:01	09/29/20 21:27	86-74-8	
4-Chloro-3-methylphenol	ND	ug/kg	713	1	09/27/20 13:01	09/29/20 21:27	59-50-7	
4-Chloroaniline	ND	ug/kg	713	1	09/27/20 13:01	09/29/20 21:27	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/kg	356	1	09/27/20 13:01	09/29/20 21:27	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/kg	356	1	09/27/20 13:01	09/29/20 21:27	111-44-4	
bis(2-Chloroisopropyl) ether	ND	ug/kg	356	1	09/27/20 13:01	09/29/20 21:27	108-60-1	
2-Chloronaphthalene	ND	ug/kg	356	1	09/27/20 13:01	09/29/20 21:27	91-58-7	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: PINE LAWN

Pace Project No.: 60348944

Sample: DPT-4-SO-(28-29) **Lab ID: 60348944005** Collected: 09/21/20 16:41 Received: 09/22/20 04:15 Matrix: Solid

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

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Semivolatiles		Analytical Method: EPA 8270 Preparation Method: EPA 3546 Pace Analytical Services - Kansas City						
2-Chlorophenol	ND	ug/kg	356	1	09/27/20 13:01	09/29/20 21:27	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/kg	356	1	09/27/20 13:01	09/29/20 21:27	7005-72-3	
Chrysene	ND	ug/kg	356	1	09/27/20 13:01	09/29/20 21:27	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	356	1	09/27/20 13:01	09/29/20 21:27	53-70-3	
Dibenzofuran	ND	ug/kg	356	1	09/27/20 13:01	09/29/20 21:27	132-64-9	
1,2-Dichlorobenzene	ND	ug/kg	356	1	09/27/20 13:01	09/29/20 21:27	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	356	1	09/27/20 13:01	09/29/20 21:27	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	356	1	09/27/20 13:01	09/29/20 21:27	106-46-7	
3,3'-Dichlorobenzidine	ND	ug/kg	713	1	09/27/20 13:01	09/29/20 21:27	91-94-1	
2,4-Dichlorophenol	ND	ug/kg	356	1	09/27/20 13:01	09/29/20 21:27	120-83-2	
Diethylphthalate	ND	ug/kg	356	1	09/27/20 13:01	09/29/20 21:27	84-66-2	
2,4-Dimethylphenol	ND	ug/kg	356	1	09/27/20 13:01	09/29/20 21:27	105-67-9	
Dimethylphthalate	ND	ug/kg	356	1	09/27/20 13:01	09/29/20 21:27	131-11-3	
Di-n-butylphthalate	ND	ug/kg	356	1	09/27/20 13:01	09/29/20 21:27	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/kg	1800	1	09/27/20 13:01	09/29/20 21:27	534-52-1	
2,4-Dinitrophenol	ND	ug/kg	1800	1	09/27/20 13:01	09/29/20 21:27	51-28-5	
2,4-Dinitrotoluene	ND	ug/kg	356	1	09/27/20 13:01	09/29/20 21:27	121-14-2	
2,6-Dinitrotoluene	ND	ug/kg	356	1	09/27/20 13:01	09/29/20 21:27	606-20-2	
Di-n-octylphthalate	ND	ug/kg	356	1	09/27/20 13:01	09/29/20 21:27	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/kg	356	1	09/27/20 13:01	09/29/20 21:27	117-81-7	
Fluoranthene	ND	ug/kg	356	1	09/27/20 13:01	09/29/20 21:27	206-44-0	
Fluorene	ND	ug/kg	356	1	09/27/20 13:01	09/29/20 21:27	86-73-7	
Hexachloro-1,3-butadiene	ND	ug/kg	356	1	09/27/20 13:01	09/29/20 21:27	87-68-3	
Hexachlorobenzene	ND	ug/kg	356	1	09/27/20 13:01	09/29/20 21:27	118-74-1	
Hexachlorocyclopentadiene	ND	ug/kg	356	1	09/27/20 13:01	09/29/20 21:27	77-47-4	
Hexachloroethane	ND	ug/kg	356	1	09/27/20 13:01	09/29/20 21:27	67-72-1	
Indeno(1,2,3-cd)pyrene	ND	ug/kg	356	1	09/27/20 13:01	09/29/20 21:27	193-39-5	
Isophorone	ND	ug/kg	356	1	09/27/20 13:01	09/29/20 21:27	78-59-1	
2-Methylnaphthalene	ND	ug/kg	356	1	09/27/20 13:01	09/29/20 21:27	91-57-6	
2-Methylphenol(o-Cresol)	ND	ug/kg	356	1	09/27/20 13:01	09/29/20 21:27	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/kg	356	1	09/27/20 13:01	09/29/20 21:27	15831-10-4	
Naphthalene	ND	ug/kg	356	1	09/27/20 13:01	09/29/20 21:27	91-20-3	
2-Nitroaniline	ND	ug/kg	713	1	09/27/20 13:01	09/29/20 21:27	88-74-4	
3-Nitroaniline	ND	ug/kg	713	1	09/27/20 13:01	09/29/20 21:27	99-09-2	
4-Nitroaniline	ND	ug/kg	713	1	09/27/20 13:01	09/29/20 21:27	100-01-6	
Nitrobenzene	ND	ug/kg	356	1	09/27/20 13:01	09/29/20 21:27	98-95-3	
2-Nitrophenol	ND	ug/kg	356	1	09/27/20 13:01	09/29/20 21:27	88-75-5	
4-Nitrophenol	ND	ug/kg	1800	1	09/27/20 13:01	09/29/20 21:27	100-02-7	
N-Nitroso-di-n-propylamine	ND	ug/kg	356	1	09/27/20 13:01	09/29/20 21:27	621-64-7	
N-Nitrosodiphenylamine	ND	ug/kg	356	1	09/27/20 13:01	09/29/20 21:27	86-30-6	
Pentachlorophenol	ND	ug/kg	1800	1	09/27/20 13:01	09/29/20 21:27	87-86-5	
Phenanthrene	ND	ug/kg	356	1	09/27/20 13:01	09/29/20 21:27	85-01-8	
Phenol	ND	ug/kg	356	1	09/27/20 13:01	09/29/20 21:27	108-95-2	
Pyrene	ND	ug/kg	356	1	09/27/20 13:01	09/29/20 21:27	129-00-0	
Pyridine	ND	ug/kg	356	1	09/27/20 13:01	09/29/20 21:27	110-86-1	

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ANALYTICAL RESULTS

Project: PINE LAWN

Pace Project No.: 60348944

Sample: DPT-4-SO-(28-29) **Lab ID:** 60348944005 **Collected:** 09/21/20 16:41 **Received:** 09/22/20 04:15 **Matrix:** Solid

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

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Semivolatiles								
Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Pace Analytical Services - Kansas City								
1,2,4-Trichlorobenzene	ND	ug/kg	356	1	09/27/20 13:01	09/29/20 21:27	120-82-1	
2,4,5-Trichlorophenol	ND	ug/kg	356	1	09/27/20 13:01	09/29/20 21:27	95-95-4	
2,4,6-Trichlorophenol	ND	ug/kg	356	1	09/27/20 13:01	09/29/20 21:27	88-06-2	
Surrogates								
Nitrobenzene-d5 (S)	77	%	33-132	1	09/27/20 13:01	09/29/20 21:27	4165-60-0	
2-Fluorobiphenyl (S)	76	%	39-136	1	09/27/20 13:01	09/29/20 21:27	321-60-8	
Terphenyl-d14 (S)	77	%	29-131	1	09/27/20 13:01	09/29/20 21:27	1718-51-0	
Phenol-d6 (S)	70	%	43-95	1	09/27/20 13:01	09/29/20 21:27	13127-88-3	
2-Fluorophenol (S)	70	%	43-96	1	09/27/20 13:01	09/29/20 21:27	367-12-4	
2,4,6-Tribromophenol (S)	73	%	41-108	1	09/27/20 13:01	09/29/20 21:27	118-79-6	
8270 MSSV DRO/ORO								
Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Pace Analytical Services - Kansas City								
TPH-ORO	ND	mg/kg	16.4	1	09/25/20 15:43	09/29/20 03:51		
TPH-DRO	ND	mg/kg	16.4	1	09/25/20 15:43	09/29/20 03:51		
Surrogates								
Nitrobenzene-d5 (S)	77	%	33-132	1	09/25/20 15:43	09/29/20 03:51	4165-60-0	
2-Fluorobiphenyl (S)	82	%	39-136	1	09/25/20 15:43	09/29/20 03:51	321-60-8	
Terphenyl-d14 (S)	81	%	29-131	1	09/25/20 15:43	09/29/20 03:51	1718-51-0	
8260 MSV 5035A VOA								
Analytical Method: EPA 8260B Preparation Method: EPA 5035A/5030								
Pace Analytical Services - Kansas City								
Acetone	ND	ug/kg	14.3	1	09/23/20 10:09	09/23/20 18:01	67-64-1	
Benzene	ND	ug/kg	3.6	1	09/23/20 10:09	09/23/20 18:01	71-43-2	
Bromobenzene	ND	ug/kg	3.6	1	09/23/20 10:09	09/23/20 18:01	108-86-1	
Bromochloromethane	ND	ug/kg	3.6	1	09/23/20 10:09	09/23/20 18:01	74-97-5	
Bromodichloromethane	ND	ug/kg	3.6	1	09/23/20 10:09	09/23/20 18:01	75-27-4	
Bromoform	ND	ug/kg	3.6	1	09/23/20 10:09	09/23/20 18:01	75-25-2	
Bromomethane	ND	ug/kg	3.6	1	09/23/20 10:09	09/23/20 18:01	74-83-9	
2-Butanone (MEK)	ND	ug/kg	7.2	1	09/23/20 10:09	09/23/20 18:01	78-93-3	
n-Butylbenzene	ND	ug/kg	3.6	1	09/23/20 10:09	09/23/20 18:01	104-51-8	
sec-Butylbenzene	ND	ug/kg	3.6	1	09/23/20 10:09	09/23/20 18:01	135-98-8	
tert-Butylbenzene	ND	ug/kg	17.9	1	09/23/20 10:09	09/23/20 18:01	98-06-6	
Carbon disulfide	ND	ug/kg	3.6	1	09/23/20 10:09	09/23/20 18:01	75-15-0	
Carbon tetrachloride	ND	ug/kg	3.6	1	09/23/20 10:09	09/23/20 18:01	56-23-5	
Chlorobenzene	ND	ug/kg	3.6	1	09/23/20 10:09	09/23/20 18:01	108-90-7	
Chloroethane	ND	ug/kg	3.6	1	09/23/20 10:09	09/23/20 18:01	75-00-3	
Chloroform	ND	ug/kg	3.6	1	09/23/20 10:09	09/23/20 18:01	67-66-3	
Chloromethane	ND	ug/kg	3.6	1	09/23/20 10:09	09/23/20 18:01	74-87-3	
2-Chlorotoluene	ND	ug/kg	3.6	1	09/23/20 10:09	09/23/20 18:01	95-49-8	
4-Chlorotoluene	ND	ug/kg	3.6	1	09/23/20 10:09	09/23/20 18:01	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/kg	7.2	1	09/23/20 10:09	09/23/20 18:01	96-12-8	
Dibromochloromethane	ND	ug/kg	3.6	1	09/23/20 10:09	09/23/20 18:01	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	3.6	1	09/23/20 10:09	09/23/20 18:01	106-93-4	
Dibromomethane	ND	ug/kg	3.6	1	09/23/20 10:09	09/23/20 18:01	74-95-3	

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ANALYTICAL RESULTS

Project: PINE LAWN

Pace Project No.: 60348944

Sample: DPT-4-SO-(28-29) **Lab ID: 60348944005** Collected: 09/21/20 16:41 Received: 09/22/20 04:15 Matrix: Solid

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

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035A VOA								
Analytical Method: EPA 8260B Preparation Method: EPA 5035A/5030								
Pace Analytical Services - Kansas City								
1,2-Dichlorobenzene	ND	ug/kg	3.6	1	09/23/20 10:09	09/23/20 18:01	95-50-1	IL
1,3-Dichlorobenzene	ND	ug/kg	3.6	1	09/23/20 10:09	09/23/20 18:01	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	3.6	1	09/23/20 10:09	09/23/20 18:01	106-46-7	
Dichlorodifluoromethane	ND	ug/kg	3.6	1	09/23/20 10:09	09/23/20 18:01	75-71-8	
1,1-Dichloroethane	ND	ug/kg	3.6	1	09/23/20 10:09	09/23/20 18:01	75-34-3	
1,2-Dichloroethane	ND	ug/kg	3.6	1	09/23/20 10:09	09/23/20 18:01	107-06-2	
1,2-Dichloroethene (Total)	ND	ug/kg	3.6	1	09/23/20 10:09	09/23/20 18:01	540-59-0	
1,1-Dichloroethene	ND	ug/kg	3.6	1	09/23/20 10:09	09/23/20 18:01	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	3.6	1	09/23/20 10:09	09/23/20 18:01	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	3.6	1	09/23/20 10:09	09/23/20 18:01	156-60-5	
1,2-Dichloropropane	ND	ug/kg	3.6	1	09/23/20 10:09	09/23/20 18:01	78-87-5	
1,3-Dichloropropane	ND	ug/kg	3.6	1	09/23/20 10:09	09/23/20 18:01	142-28-9	
2,2-Dichloropropane	ND	ug/kg	3.6	1	09/23/20 10:09	09/23/20 18:01	594-20-7	
1,1-Dichloropropene	ND	ug/kg	3.6	1	09/23/20 10:09	09/23/20 18:01	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	3.6	1	09/23/20 10:09	09/23/20 18:01	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	3.6	1	09/23/20 10:09	09/23/20 18:01	10061-02-6	
Ethylbenzene	ND	ug/kg	3.6	1	09/23/20 10:09	09/23/20 18:01	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/kg	3.6	1	09/23/20 10:09	09/23/20 18:01	87-68-3	
2-Hexanone	ND	ug/kg	14.3	1	09/23/20 10:09	09/23/20 18:01	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/kg	3.6	1	09/23/20 10:09	09/23/20 18:01	98-82-8	
p-Isopropyltoluene	ND	ug/kg	3.6	1	09/23/20 10:09	09/23/20 18:01	99-87-6	
Methylene Chloride	ND	ug/kg	3.6	1	09/23/20 10:09	09/23/20 18:01	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	7.2	1	09/23/20 10:09	09/23/20 18:01	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	3.6	1	09/23/20 10:09	09/23/20 18:01	1634-04-4	
Naphthalene	ND	ug/kg	7.2	1	09/23/20 10:09	09/23/20 18:01	91-20-3	
n-Propylbenzene	ND	ug/kg	3.6	1	09/23/20 10:09	09/23/20 18:01	103-65-1	
Styrene	ND	ug/kg	3.6	1	09/23/20 10:09	09/23/20 18:01	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	3.6	1	09/23/20 10:09	09/23/20 18:01	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	3.6	1	09/23/20 10:09	09/23/20 18:01	79-34-5	
Tetrachloroethene	ND	ug/kg	3.6	1	09/23/20 10:09	09/23/20 18:01	127-18-4	
Toluene	ND	ug/kg	3.6	1	09/23/20 10:09	09/23/20 18:01	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	3.6	1	09/23/20 10:09	09/23/20 18:01	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	3.6	1	09/23/20 10:09	09/23/20 18:01	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	3.6	1	09/23/20 10:09	09/23/20 18:01	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	3.6	1	09/23/20 10:09	09/23/20 18:01	79-00-5	
Trichloroethene	ND	ug/kg	3.6	1	09/23/20 10:09	09/23/20 18:01	79-01-6	
Trichlorofluoromethane	ND	ug/kg	3.6	1	09/23/20 10:09	09/23/20 18:01	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	3.6	1	09/23/20 10:09	09/23/20 18:01	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/kg	3.6	1	09/23/20 10:09	09/23/20 18:01	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	3.6	1	09/23/20 10:09	09/23/20 18:01	108-67-8	
Vinyl chloride	ND	ug/kg	3.6	1	09/23/20 10:09	09/23/20 18:01	75-01-4	
Xylene (Total)	ND	ug/kg	3.6	1	09/23/20 10:09	09/23/20 18:01	1330-20-7	
Surrogates								
Toluene-d8 (S)	100	%	80-120	1	09/23/20 10:09	09/23/20 18:01	2037-26-5	
4-Bromofluorobenzene (S)	96	%	85-115	1	09/23/20 10:09	09/23/20 18:01	460-00-4	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: PINE LAWN

Pace Project No.: 60348944

Sample: DPT-4-SO-(28-29) **Lab ID:** 60348944005 Collected: 09/21/20 16:41 Received: 09/22/20 04:15 Matrix: Solid

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

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035A VOA								
Analytical Method: EPA 8260B Preparation Method: EPA 5035A/5030								
Pace Analytical Services - Kansas City								
Surrogates								
1,2-Dichloroethane-d4 (S)	108	%	78-118	1	09/23/20 10:09	09/23/20 18:01	17060-07-0	
8260 MSV GRO and Oxygenates								
Analytical Method: EPA 8260 Preparation Method: EPA 5035								
Pace Analytical Services - Kansas City								
TPH-GRO	ND	mg/kg	0.36	1	09/23/20 10:30	09/23/20 18:01		
Surrogates								
Toluene-d8 (S)	100	%	78-122	1	09/23/20 10:30	09/23/20 18:01	2037-26-5	
4-Bromofluorobenzene (S)	96	%	69-133	1	09/23/20 10:30	09/23/20 18:01	460-00-4	
1,2-Dichloroethane-d4 (S)	108	%	80-123	1	09/23/20 10:30	09/23/20 18:01	17060-07-0	
Percent Moisture								
Analytical Method: ASTM D2974								
Pace Analytical Services - Kansas City								
Percent Moisture	11.6	%	0.50	1		09/23/20 14:43		

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ANALYTICAL RESULTS

Project: PINE LAWN

Pace Project No.: 60348944

Sample: PINE LAWN-SO-TB1 Lab ID: 60348944006 Collected: 09/21/20 17:10 Received: 09/22/20 04:15 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035A VOA		Analytical Method: EPA 8260B Preparation Method: EPA 5035A/5030 Pace Analytical Services - Kansas City						
Acetone	ND	ug/kg	20.0	1	09/23/20 10:09	09/23/20 14:37	67-64-1	
Benzene	ND	ug/kg	5.0	1	09/23/20 10:09	09/23/20 14:37	71-43-2	
Bromobenzene	ND	ug/kg	5.0	1	09/23/20 10:09	09/23/20 14:37	108-86-1	
Bromochloromethane	ND	ug/kg	5.0	1	09/23/20 10:09	09/23/20 14:37	74-97-5	
Bromodichloromethane	ND	ug/kg	5.0	1	09/23/20 10:09	09/23/20 14:37	75-27-4	
Bromoform	ND	ug/kg	5.0	1	09/23/20 10:09	09/23/20 14:37	75-25-2	
Bromomethane	ND	ug/kg	5.0	1	09/23/20 10:09	09/23/20 14:37	74-83-9	
2-Butanone (MEK)	ND	ug/kg	10.0	1	09/23/20 10:09	09/23/20 14:37	78-93-3	
n-Butylbenzene	ND	ug/kg	5.0	1	09/23/20 10:09	09/23/20 14:37	104-51-8	
sec-Butylbenzene	ND	ug/kg	5.0	1	09/23/20 10:09	09/23/20 14:37	135-98-8	
tert-Butylbenzene	ND	ug/kg	25.0	1	09/23/20 10:09	09/23/20 14:37	98-06-6	
Carbon disulfide	ND	ug/kg	5.0	1	09/23/20 10:09	09/23/20 14:37	75-15-0	
Carbon tetrachloride	ND	ug/kg	5.0	1	09/23/20 10:09	09/23/20 14:37	56-23-5	
Chlorobenzene	ND	ug/kg	5.0	1	09/23/20 10:09	09/23/20 14:37	108-90-7	
Chloroethane	ND	ug/kg	5.0	1	09/23/20 10:09	09/23/20 14:37	75-00-3	
Chloroform	ND	ug/kg	5.0	1	09/23/20 10:09	09/23/20 14:37	67-66-3	
Chloromethane	ND	ug/kg	5.0	1	09/23/20 10:09	09/23/20 14:37	74-87-3	
2-Chlorotoluene	ND	ug/kg	5.0	1	09/23/20 10:09	09/23/20 14:37	95-49-8	
4-Chlorotoluene	ND	ug/kg	5.0	1	09/23/20 10:09	09/23/20 14:37	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/kg	10.0	1	09/23/20 10:09	09/23/20 14:37	96-12-8	
Dibromochloromethane	ND	ug/kg	5.0	1	09/23/20 10:09	09/23/20 14:37	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	5.0	1	09/23/20 10:09	09/23/20 14:37	106-93-4	
Dibromomethane	ND	ug/kg	5.0	1	09/23/20 10:09	09/23/20 14:37	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	5.0	1	09/23/20 10:09	09/23/20 14:37	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	5.0	1	09/23/20 10:09	09/23/20 14:37	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	5.0	1	09/23/20 10:09	09/23/20 14:37	106-46-7	
Dichlorodifluoromethane	ND	ug/kg	5.0	1	09/23/20 10:09	09/23/20 14:37	75-71-8	IL
1,1-Dichloroethane	ND	ug/kg	5.0	1	09/23/20 10:09	09/23/20 14:37	75-34-3	
1,2-Dichloroethane	ND	ug/kg	5.0	1	09/23/20 10:09	09/23/20 14:37	107-06-2	
1,2-Dichloroethene (Total)	ND	ug/kg	5.0	1	09/23/20 10:09	09/23/20 14:37	540-59-0	
1,1-Dichloroethene	ND	ug/kg	5.0	1	09/23/20 10:09	09/23/20 14:37	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	5.0	1	09/23/20 10:09	09/23/20 14:37	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	5.0	1	09/23/20 10:09	09/23/20 14:37	156-60-5	
1,2-Dichloropropane	ND	ug/kg	5.0	1	09/23/20 10:09	09/23/20 14:37	78-87-5	
1,3-Dichloropropane	ND	ug/kg	5.0	1	09/23/20 10:09	09/23/20 14:37	142-28-9	
2,2-Dichloropropane	ND	ug/kg	5.0	1	09/23/20 10:09	09/23/20 14:37	594-20-7	
1,1-Dichloropropene	ND	ug/kg	5.0	1	09/23/20 10:09	09/23/20 14:37	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	5.0	1	09/23/20 10:09	09/23/20 14:37	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	5.0	1	09/23/20 10:09	09/23/20 14:37	10061-02-6	
Ethylbenzene	ND	ug/kg	5.0	1	09/23/20 10:09	09/23/20 14:37	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/kg	5.0	1	09/23/20 10:09	09/23/20 14:37	87-68-3	
2-Hexanone	ND	ug/kg	20.0	1	09/23/20 10:09	09/23/20 14:37	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/kg	5.0	1	09/23/20 10:09	09/23/20 14:37	98-82-8	
p-Isopropyltoluene	ND	ug/kg	5.0	1	09/23/20 10:09	09/23/20 14:37	99-87-6	
Methylene Chloride	ND	ug/kg	5.0	1	09/23/20 10:09	09/23/20 14:37	75-09-2	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: PINE LAWN

Pace Project No.: 60348944

Sample: PINE LAWN-SO-TB1 Lab ID: 60348944006 Collected: 09/21/20 17:10 Received: 09/22/20 04:15 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035A VOA								
Analytical Method: EPA 8260B Preparation Method: EPA 5035A/5030								
Pace Analytical Services - Kansas City								
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	10.0	1	09/23/20 10:09	09/23/20 14:37	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	5.0	1	09/23/20 10:09	09/23/20 14:37	1634-04-4	
Naphthalene	ND	ug/kg	10.0	1	09/23/20 10:09	09/23/20 14:37	91-20-3	
n-Propylbenzene	ND	ug/kg	5.0	1	09/23/20 10:09	09/23/20 14:37	103-65-1	
Styrene	ND	ug/kg	5.0	1	09/23/20 10:09	09/23/20 14:37	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	5.0	1	09/23/20 10:09	09/23/20 14:37	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	5.0	1	09/23/20 10:09	09/23/20 14:37	79-34-5	
Tetrachloroethene	ND	ug/kg	5.0	1	09/23/20 10:09	09/23/20 14:37	127-18-4	
Toluene	8.6	ug/kg	5.0	1	09/23/20 10:09	09/23/20 14:37	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	5.0	1	09/23/20 10:09	09/23/20 14:37	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	5.0	1	09/23/20 10:09	09/23/20 14:37	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	5.0	1	09/23/20 10:09	09/23/20 14:37	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	5.0	1	09/23/20 10:09	09/23/20 14:37	79-00-5	
Trichloroethene	ND	ug/kg	5.0	1	09/23/20 10:09	09/23/20 14:37	79-01-6	
Trichlorofluoromethane	ND	ug/kg	5.0	1	09/23/20 10:09	09/23/20 14:37	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	5.0	1	09/23/20 10:09	09/23/20 14:37	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/kg	5.0	1	09/23/20 10:09	09/23/20 14:37	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	5.0	1	09/23/20 10:09	09/23/20 14:37	108-67-8	
Vinyl chloride	ND	ug/kg	5.0	1	09/23/20 10:09	09/23/20 14:37	75-01-4	
Xylene (Total)	ND	ug/kg	5.0	1	09/23/20 10:09	09/23/20 14:37	1330-20-7	
Surrogates								
Toluene-d8 (S)	102	%	80-120	1	09/23/20 10:09	09/23/20 14:37	2037-26-5	
4-Bromofluorobenzene (S)	98	%	85-115	1	09/23/20 10:09	09/23/20 14:37	460-00-4	
1,2-Dichloroethane-d4 (S)	98	%	78-118	1	09/23/20 10:09	09/23/20 14:37	17060-07-0	

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ANALYTICAL RESULTS

Project: PINE LAWN

Pace Project No.: 60348944

Sample: DPT-S-SO-(15-16) **Lab ID:** 60348944007 **Collected:** 09/21/20 17:40 **Received:** 09/22/20 04:15 **Matrix:** Solid

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

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8082 GCS PCB SW								
Analytical Method: EPA 8082 Preparation Method: EPA 3546								
Pace Analytical Services - Kansas City								
PCB-1016 (Aroclor 1016)	ND	ug/kg	38.8	1	09/29/20 15:19	10/01/20 19:10	12674-11-2	
PCB-1221 (Aroclor 1221)	ND	ug/kg	38.8	1	09/29/20 15:19	10/01/20 19:10	11104-28-2	
PCB-1232 (Aroclor 1232)	ND	ug/kg	38.8	1	09/29/20 15:19	10/01/20 19:10	11141-16-5	
PCB-1242 (Aroclor 1242)	ND	ug/kg	38.8	1	09/29/20 15:19	10/01/20 19:10	53469-21-9	
PCB-1248 (Aroclor 1248)	ND	ug/kg	38.8	1	09/29/20 15:19	10/01/20 19:10	12672-29-6	
PCB-1254 (Aroclor 1254)	ND	ug/kg	38.8	1	09/29/20 15:19	10/01/20 19:10	11097-69-1	
PCB-1260 (Aroclor 1260)	ND	ug/kg	38.8	1	09/29/20 15:19	10/01/20 19:10	11096-82-5	
Surrogates								
Decachlorobiphenyl (S)	64	%	28-143	1	09/29/20 15:19	10/01/20 19:10	2051-24-3	
6010 MET ICP Red. Interference								
Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Pace Analytical Services - Kansas City								
Arsenic	6.3	mg/kg	0.81	1	10/01/20 11:39	10/02/20 14:16	7440-38-2	
Barium	205	mg/kg	0.40	1	10/01/20 11:39	10/02/20 14:16	7440-39-3	
Cadmium	ND	mg/kg	0.40	1	10/01/20 11:39	10/02/20 14:16	7440-43-9	
Chromium	19.1	mg/kg	0.40	1	10/01/20 11:39	10/02/20 14:16	7440-47-3	
Lead	11.4	mg/kg	0.81	1	10/01/20 11:39	10/02/20 14:16	7439-92-1	
Selenium	ND	mg/kg	1.2	1	10/01/20 11:39	10/02/20 14:16	7782-49-2	
Silver	ND	mg/kg	0.57	1	10/01/20 11:39	10/02/20 14:16	7440-22-4	
7471 Mercury								
Analytical Method: EPA 7471 Preparation Method: EPA 7471								
Pace Analytical Services - Kansas City								
Mercury	ND	mg/kg	0.046	1	09/28/20 14:40	09/29/20 13:17	7439-97-6	
8270 MSSV Semivolatiles								
Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Pace Analytical Services - Kansas City								
Acenaphthene	ND	ug/kg	392	1	09/27/20 13:01	09/29/20 21:48	83-32-9	
Acenaphthylene	ND	ug/kg	392	1	09/27/20 13:01	09/29/20 21:48	208-96-8	
Anthracene	ND	ug/kg	392	1	09/27/20 13:01	09/29/20 21:48	120-12-7	
Benzo(a)anthracene	ND	ug/kg	392	1	09/27/20 13:01	09/29/20 21:48	56-55-3	
Benzo(a)pyrene	ND	ug/kg	392	1	09/27/20 13:01	09/29/20 21:48	50-32-8	
Benzo(b)fluoranthene	ND	ug/kg	392	1	09/27/20 13:01	09/29/20 21:48	205-99-2	
Benzo(g,h,i)perylene	ND	ug/kg	392	1	09/27/20 13:01	09/29/20 21:48	191-24-2	
Benzo(k)fluoranthene	ND	ug/kg	392	1	09/27/20 13:01	09/29/20 21:48	207-08-9	
Benzoic Acid	ND	ug/kg	1980	1	09/27/20 13:01	09/29/20 21:48	65-85-0	L1
Benzyl alcohol	ND	ug/kg	784	1	09/27/20 13:01	09/29/20 21:48	100-51-6	
4-Bromophenylphenyl ether	ND	ug/kg	392	1	09/27/20 13:01	09/29/20 21:48	101-55-3	
Butylbenzylphthalate	ND	ug/kg	392	1	09/27/20 13:01	09/29/20 21:48	85-68-7	
Carbazole	ND	ug/kg	392	1	09/27/20 13:01	09/29/20 21:48	86-74-8	
4-Chloro-3-methylphenol	ND	ug/kg	784	1	09/27/20 13:01	09/29/20 21:48	59-50-7	
4-Chloroaniline	ND	ug/kg	784	1	09/27/20 13:01	09/29/20 21:48	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/kg	392	1	09/27/20 13:01	09/29/20 21:48	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/kg	392	1	09/27/20 13:01	09/29/20 21:48	111-44-4	
bis(2-Chloroisopropyl) ether	ND	ug/kg	392	1	09/27/20 13:01	09/29/20 21:48	108-60-1	
2-Chloronaphthalene	ND	ug/kg	392	1	09/27/20 13:01	09/29/20 21:48	91-58-7	

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ANALYTICAL RESULTS

Project: PINE LAWN

Pace Project No.: 60348944

Sample: DPT-S-SO-(15-16) Lab ID: 60348944007 Collected: 09/21/20 17:40 Received: 09/22/20 04:15 Matrix: Solid

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

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Semivolatiles		Analytical Method: EPA 8270 Preparation Method: EPA 3546 Pace Analytical Services - Kansas City						
2-Chlorophenol	ND	ug/kg	392	1	09/27/20 13:01	09/29/20 21:48	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/kg	392	1	09/27/20 13:01	09/29/20 21:48	7005-72-3	
Chrysene	ND	ug/kg	392	1	09/27/20 13:01	09/29/20 21:48	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	392	1	09/27/20 13:01	09/29/20 21:48	53-70-3	
Dibenzofuran	ND	ug/kg	392	1	09/27/20 13:01	09/29/20 21:48	132-64-9	
1,2-Dichlorobenzene	ND	ug/kg	392	1	09/27/20 13:01	09/29/20 21:48	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	392	1	09/27/20 13:01	09/29/20 21:48	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	392	1	09/27/20 13:01	09/29/20 21:48	106-46-7	
3,3'-Dichlorobenzidine	ND	ug/kg	784	1	09/27/20 13:01	09/29/20 21:48	91-94-1	
2,4-Dichlorophenol	ND	ug/kg	392	1	09/27/20 13:01	09/29/20 21:48	120-83-2	
Diethylphthalate	ND	ug/kg	392	1	09/27/20 13:01	09/29/20 21:48	84-66-2	
2,4-Dimethylphenol	ND	ug/kg	392	1	09/27/20 13:01	09/29/20 21:48	105-67-9	
Dimethylphthalate	ND	ug/kg	392	1	09/27/20 13:01	09/29/20 21:48	131-11-3	
Di-n-butylphthalate	ND	ug/kg	392	1	09/27/20 13:01	09/29/20 21:48	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/kg	1980	1	09/27/20 13:01	09/29/20 21:48	534-52-1	
2,4-Dinitrophenol	ND	ug/kg	1980	1	09/27/20 13:01	09/29/20 21:48	51-28-5	
2,4-Dinitrotoluene	ND	ug/kg	392	1	09/27/20 13:01	09/29/20 21:48	121-14-2	
2,6-Dinitrotoluene	ND	ug/kg	392	1	09/27/20 13:01	09/29/20 21:48	606-20-2	
Di-n-octylphthalate	ND	ug/kg	392	1	09/27/20 13:01	09/29/20 21:48	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/kg	392	1	09/27/20 13:01	09/29/20 21:48	117-81-7	
Fluoranthene	ND	ug/kg	392	1	09/27/20 13:01	09/29/20 21:48	206-44-0	
Fluorene	ND	ug/kg	392	1	09/27/20 13:01	09/29/20 21:48	86-73-7	
Hexachloro-1,3-butadiene	ND	ug/kg	392	1	09/27/20 13:01	09/29/20 21:48	87-68-3	
Hexachlorobenzene	ND	ug/kg	392	1	09/27/20 13:01	09/29/20 21:48	118-74-1	
Hexachlorocyclopentadiene	ND	ug/kg	392	1	09/27/20 13:01	09/29/20 21:48	77-47-4	
Hexachloroethane	ND	ug/kg	392	1	09/27/20 13:01	09/29/20 21:48	67-72-1	
Indeno(1,2,3-cd)pyrene	ND	ug/kg	392	1	09/27/20 13:01	09/29/20 21:48	193-39-5	
Isophorone	ND	ug/kg	392	1	09/27/20 13:01	09/29/20 21:48	78-59-1	
2-Methylnaphthalene	ND	ug/kg	392	1	09/27/20 13:01	09/29/20 21:48	91-57-6	
2-Methylphenol(o-Cresol)	ND	ug/kg	392	1	09/27/20 13:01	09/29/20 21:48	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/kg	392	1	09/27/20 13:01	09/29/20 21:48	15831-10-4	
Naphthalene	ND	ug/kg	392	1	09/27/20 13:01	09/29/20 21:48	91-20-3	
2-Nitroaniline	ND	ug/kg	784	1	09/27/20 13:01	09/29/20 21:48	88-74-4	
3-Nitroaniline	ND	ug/kg	784	1	09/27/20 13:01	09/29/20 21:48	99-09-2	
4-Nitroaniline	ND	ug/kg	784	1	09/27/20 13:01	09/29/20 21:48	100-01-6	
Nitrobenzene	ND	ug/kg	392	1	09/27/20 13:01	09/29/20 21:48	98-95-3	
2-Nitrophenol	ND	ug/kg	392	1	09/27/20 13:01	09/29/20 21:48	88-75-5	
4-Nitrophenol	ND	ug/kg	1980	1	09/27/20 13:01	09/29/20 21:48	100-02-7	
N-Nitroso-di-n-propylamine	ND	ug/kg	392	1	09/27/20 13:01	09/29/20 21:48	621-64-7	
N-Nitrosodiphenylamine	ND	ug/kg	392	1	09/27/20 13:01	09/29/20 21:48	86-30-6	
Pentachlorophenol	ND	ug/kg	1980	1	09/27/20 13:01	09/29/20 21:48	87-86-5	
Phenanthrene	ND	ug/kg	392	1	09/27/20 13:01	09/29/20 21:48	85-01-8	
Phenol	ND	ug/kg	392	1	09/27/20 13:01	09/29/20 21:48	108-95-2	
Pyrene	ND	ug/kg	392	1	09/27/20 13:01	09/29/20 21:48	129-00-0	
Pyridine	ND	ug/kg	392	1	09/27/20 13:01	09/29/20 21:48	110-86-1	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: PINE LAWN

Pace Project No.: 60348944

Sample: DPT-S-SO-(15-16) Lab ID: 60348944007 Collected: 09/21/20 17:40 Received: 09/22/20 04:15 Matrix: Solid

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

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Semivolatiles								
Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Pace Analytical Services - Kansas City								
1,2,4-Trichlorobenzene	ND	ug/kg	392	1	09/27/20 13:01	09/29/20 21:48	120-82-1	
2,4,5-Trichlorophenol	ND	ug/kg	392	1	09/27/20 13:01	09/29/20 21:48	95-95-4	
2,4,6-Trichlorophenol	ND	ug/kg	392	1	09/27/20 13:01	09/29/20 21:48	88-06-2	
Surrogates								
Nitrobenzene-d5 (S)	73	%	33-132	1	09/27/20 13:01	09/29/20 21:48	4165-60-0	
2-Fluorobiphenyl (S)	75	%	39-136	1	09/27/20 13:01	09/29/20 21:48	321-60-8	
Terphenyl-d14 (S)	78	%	29-131	1	09/27/20 13:01	09/29/20 21:48	1718-51-0	
Phenol-d6 (S)	70	%	43-95	1	09/27/20 13:01	09/29/20 21:48	13127-88-3	
2-Fluorophenol (S)	70	%	43-96	1	09/27/20 13:01	09/29/20 21:48	367-12-4	
2,4,6-Tribromophenol (S)	74	%	41-108	1	09/27/20 13:01	09/29/20 21:48	118-79-6	
8270 MSSV DRO/ORO								
Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Pace Analytical Services - Kansas City								
TPH-ORO	ND	mg/kg	17.2	1	09/25/20 15:43	09/30/20 18:02		
TPH-DRO	ND	mg/kg	17.2	1	09/25/20 15:43	09/30/20 18:02		
Surrogates								
Nitrobenzene-d5 (S)	77	%	33-132	1	09/25/20 15:43	09/30/20 18:02	4165-60-0	
2-Fluorobiphenyl (S)	80	%	39-136	1	09/25/20 15:43	09/30/20 18:02	321-60-8	
Terphenyl-d14 (S)	76	%	29-131	1	09/25/20 15:43	09/30/20 18:02	1718-51-0	
8260 MSV 5035A VOA								
Analytical Method: EPA 8260B Preparation Method: EPA 5035A/5030								
Pace Analytical Services - Kansas City								
Acetone	25.2	ug/kg	15.3	1	09/23/20 10:09	09/23/20 18:16	67-64-1	
Benzene	ND	ug/kg	3.8	1	09/23/20 10:09	09/23/20 18:16	71-43-2	
Bromobenzene	ND	ug/kg	3.8	1	09/23/20 10:09	09/23/20 18:16	108-86-1	
Bromochloromethane	ND	ug/kg	3.8	1	09/23/20 10:09	09/23/20 18:16	74-97-5	
Bromodichloromethane	ND	ug/kg	3.8	1	09/23/20 10:09	09/23/20 18:16	75-27-4	
Bromoform	ND	ug/kg	3.8	1	09/23/20 10:09	09/23/20 18:16	75-25-2	
Bromomethane	ND	ug/kg	3.8	1	09/23/20 10:09	09/23/20 18:16	74-83-9	
2-Butanone (MEK)	ND	ug/kg	7.6	1	09/23/20 10:09	09/23/20 18:16	78-93-3	
n-Butylbenzene	ND	ug/kg	3.8	1	09/23/20 10:09	09/23/20 18:16	104-51-8	
sec-Butylbenzene	ND	ug/kg	3.8	1	09/23/20 10:09	09/23/20 18:16	135-98-8	
tert-Butylbenzene	ND	ug/kg	19.1	1	09/23/20 10:09	09/23/20 18:16	98-06-6	
Carbon disulfide	ND	ug/kg	3.8	1	09/23/20 10:09	09/23/20 18:16	75-15-0	
Carbon tetrachloride	ND	ug/kg	3.8	1	09/23/20 10:09	09/23/20 18:16	56-23-5	
Chlorobenzene	ND	ug/kg	3.8	1	09/23/20 10:09	09/23/20 18:16	108-90-7	
Chloroethane	ND	ug/kg	3.8	1	09/23/20 10:09	09/23/20 18:16	75-00-3	
Chloroform	ND	ug/kg	3.8	1	09/23/20 10:09	09/23/20 18:16	67-66-3	
Chloromethane	ND	ug/kg	3.8	1	09/23/20 10:09	09/23/20 18:16	74-87-3	
2-Chlorotoluene	ND	ug/kg	3.8	1	09/23/20 10:09	09/23/20 18:16	95-49-8	
4-Chlorotoluene	ND	ug/kg	3.8	1	09/23/20 10:09	09/23/20 18:16	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/kg	7.6	1	09/23/20 10:09	09/23/20 18:16	96-12-8	
Dibromochloromethane	ND	ug/kg	3.8	1	09/23/20 10:09	09/23/20 18:16	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	3.8	1	09/23/20 10:09	09/23/20 18:16	106-93-4	
Dibromomethane	ND	ug/kg	3.8	1	09/23/20 10:09	09/23/20 18:16	74-95-3	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: PINE LAWN

Pace Project No.: 60348944

Sample: DPT-S-SO-(15-16) **Lab ID:** 60348944007 **Collected:** 09/21/20 17:40 **Received:** 09/22/20 04:15 **Matrix:** Solid

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

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035A VOA								
Analytical Method: EPA 8260B Preparation Method: EPA 5035A/5030								
Pace Analytical Services - Kansas City								
1,2-Dichlorobenzene	ND	ug/kg	3.8	1	09/23/20 10:09	09/23/20 18:16	95-50-1	IL
1,3-Dichlorobenzene	ND	ug/kg	3.8	1	09/23/20 10:09	09/23/20 18:16	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	3.8	1	09/23/20 10:09	09/23/20 18:16	106-46-7	
Dichlorodifluoromethane	ND	ug/kg	3.8	1	09/23/20 10:09	09/23/20 18:16	75-71-8	
1,1-Dichloroethane	ND	ug/kg	3.8	1	09/23/20 10:09	09/23/20 18:16	75-34-3	
1,2-Dichloroethane	ND	ug/kg	3.8	1	09/23/20 10:09	09/23/20 18:16	107-06-2	
1,2-Dichloroethene (Total)	ND	ug/kg	3.8	1	09/23/20 10:09	09/23/20 18:16	540-59-0	
1,1-Dichloroethene	ND	ug/kg	3.8	1	09/23/20 10:09	09/23/20 18:16	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	3.8	1	09/23/20 10:09	09/23/20 18:16	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	3.8	1	09/23/20 10:09	09/23/20 18:16	156-60-5	
1,2-Dichloropropane	ND	ug/kg	3.8	1	09/23/20 10:09	09/23/20 18:16	78-87-5	
1,3-Dichloropropane	ND	ug/kg	3.8	1	09/23/20 10:09	09/23/20 18:16	142-28-9	
2,2-Dichloropropane	ND	ug/kg	3.8	1	09/23/20 10:09	09/23/20 18:16	594-20-7	
1,1-Dichloropropene	ND	ug/kg	3.8	1	09/23/20 10:09	09/23/20 18:16	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	3.8	1	09/23/20 10:09	09/23/20 18:16	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	3.8	1	09/23/20 10:09	09/23/20 18:16	10061-02-6	
Ethylbenzene	ND	ug/kg	3.8	1	09/23/20 10:09	09/23/20 18:16	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/kg	3.8	1	09/23/20 10:09	09/23/20 18:16	87-68-3	
2-Hexanone	ND	ug/kg	15.3	1	09/23/20 10:09	09/23/20 18:16	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/kg	3.8	1	09/23/20 10:09	09/23/20 18:16	98-82-8	
p-Isopropyltoluene	ND	ug/kg	3.8	1	09/23/20 10:09	09/23/20 18:16	99-87-6	
Methylene Chloride	ND	ug/kg	3.8	1	09/23/20 10:09	09/23/20 18:16	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	7.6	1	09/23/20 10:09	09/23/20 18:16	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	3.8	1	09/23/20 10:09	09/23/20 18:16	1634-04-4	
Naphthalene	ND	ug/kg	7.6	1	09/23/20 10:09	09/23/20 18:16	91-20-3	
n-Propylbenzene	ND	ug/kg	3.8	1	09/23/20 10:09	09/23/20 18:16	103-65-1	
Styrene	ND	ug/kg	3.8	1	09/23/20 10:09	09/23/20 18:16	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	3.8	1	09/23/20 10:09	09/23/20 18:16	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	3.8	1	09/23/20 10:09	09/23/20 18:16	79-34-5	
Tetrachloroethene	ND	ug/kg	3.8	1	09/23/20 10:09	09/23/20 18:16	127-18-4	
Toluene	ND	ug/kg	3.8	1	09/23/20 10:09	09/23/20 18:16	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	3.8	1	09/23/20 10:09	09/23/20 18:16	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	3.8	1	09/23/20 10:09	09/23/20 18:16	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	3.8	1	09/23/20 10:09	09/23/20 18:16	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	3.8	1	09/23/20 10:09	09/23/20 18:16	79-00-5	
Trichloroethene	ND	ug/kg	3.8	1	09/23/20 10:09	09/23/20 18:16	79-01-6	
Trichlorofluoromethane	ND	ug/kg	3.8	1	09/23/20 10:09	09/23/20 18:16	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	3.8	1	09/23/20 10:09	09/23/20 18:16	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/kg	3.8	1	09/23/20 10:09	09/23/20 18:16	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	3.8	1	09/23/20 10:09	09/23/20 18:16	108-67-8	
Vinyl chloride	ND	ug/kg	3.8	1	09/23/20 10:09	09/23/20 18:16	75-01-4	
Xylene (Total)	ND	ug/kg	3.8	1	09/23/20 10:09	09/23/20 18:16	1330-20-7	
Surrogates								
Toluene-d8 (S)	101	%	80-120	1	09/23/20 10:09	09/23/20 18:16	2037-26-5	
4-Bromofluorobenzene (S)	98	%	85-115	1	09/23/20 10:09	09/23/20 18:16	460-00-4	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: PINE LAWN

Pace Project No.: 60348944

Sample: DPT-S-SO-(15-16) **Lab ID:** 60348944007 Collected: 09/21/20 17:40 Received: 09/22/20 04:15 Matrix: Solid

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

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035A VOA								
Analytical Method: EPA 8260B Preparation Method: EPA 5035A/5030								
Pace Analytical Services - Kansas City								
Surrogates								
1,2-Dichloroethane-d4 (S)	101	%	78-118	1	09/23/20 10:09	09/23/20 18:16	17060-07-0	
8260 MSV GRO and Oxygenates								
Analytical Method: EPA 8260 Preparation Method: EPA 5035								
Pace Analytical Services - Kansas City								
TPH-GRO	ND	mg/kg	0.38	1	09/23/20 10:30	09/23/20 18:16		
Surrogates								
Toluene-d8 (S)	101	%	78-122	1	09/23/20 10:30	09/23/20 18:16	2037-26-5	
4-Bromofluorobenzene (S)	98	%	69-133	1	09/23/20 10:30	09/23/20 18:16	460-00-4	
1,2-Dichloroethane-d4 (S)	101	%	80-123	1	09/23/20 10:30	09/23/20 18:16	17060-07-0	
Percent Moisture								
Analytical Method: ASTM D2974								
Pace Analytical Services - Kansas City								
Percent Moisture	16.5	%	0.50	1		09/23/20 14:43		

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ANALYTICAL RESULTS

Project: PINE LAWN

Pace Project No.: 60348944

Sample: PINE LAWN-FB1		Lab ID: 60348944008	Collected: 09/21/20 17:52		Received: 09/22/20 04:15		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8082 GCS PCB, LV								
Analytical Method: EPA 8082 Preparation Method: EPA 3510								
Pace Analytical Services - Kansas City								
PCB-1016 (Aroclor 1016)	ND	ug/L	1.0	1	09/22/20 17:34	09/25/20 11:43	12674-11-2	
PCB-1221 (Aroclor 1221)	ND	ug/L	1.0	1	09/22/20 17:34	09/25/20 11:43	11104-28-2	
PCB-1232 (Aroclor 1232)	ND	ug/L	1.0	1	09/22/20 17:34	09/25/20 11:43	11141-16-5	
PCB-1242 (Aroclor 1242)	ND	ug/L	1.0	1	09/22/20 17:34	09/25/20 11:43	53469-21-9	
PCB-1248 (Aroclor 1248)	ND	ug/L	1.0	1	09/22/20 17:34	09/25/20 11:43	12672-29-6	
PCB-1254 (Aroclor 1254)	ND	ug/L	1.0	1	09/22/20 17:34	09/25/20 11:43	11097-69-1	
PCB-1260 (Aroclor 1260)	ND	ug/L	1.0	1	09/22/20 17:34	09/25/20 11:43	11096-82-5	
Surrogates								
Decachlorobiphenyl (S)	85	%	30-136	1	09/22/20 17:34	09/25/20 11:43	2051-24-3	
6010 MET ICP								
Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Pace Analytical Services - Kansas City								
Arsenic	ND	ug/L	10.0	1	10/01/20 10:35	10/01/20 19:21	7440-38-2	
Barium	10.2	ug/L	5.0	1	10/01/20 10:35	10/01/20 19:21	7440-39-3	
Cadmium	ND	ug/L	5.0	1	10/01/20 10:35	10/01/20 19:21	7440-43-9	
Chromium	ND	ug/L	5.0	1	10/01/20 10:35	10/01/20 19:21	7440-47-3	
Lead	ND	ug/L	10.0	1	10/01/20 10:35	10/01/20 19:21	7439-92-1	
Selenium	ND	ug/L	15.0	1	10/01/20 10:35	10/01/20 19:21	7782-49-2	
Silver	ND	ug/L	7.0	1	10/01/20 10:35	10/01/20 19:21	7440-22-4	
6010 MET ICP, Dissolved								
Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Pace Analytical Services - Kansas City								
Arsenic, Dissolved	ND	ug/L	10.0	1	10/01/20 10:35	10/02/20 10:28	7440-38-2	
Barium, Dissolved	ND	ug/L	5.0	1	10/01/20 10:35	10/02/20 10:28	7440-39-3	
Cadmium, Dissolved	ND	ug/L	5.0	1	10/01/20 10:35	10/02/20 10:28	7440-43-9	
Chromium, Dissolved	ND	ug/L	5.0	1	10/01/20 10:35	10/02/20 10:28	7440-47-3	
Lead, Dissolved	ND	ug/L	10.0	1	10/01/20 10:35	10/02/20 10:28	7439-92-1	
Selenium, Dissolved	ND	ug/L	15.0	1	10/01/20 10:35	10/02/20 10:28	7782-49-2	
Silver, Dissolved	ND	ug/L	7.0	1	10/01/20 10:35	10/02/20 10:28	7440-22-4	
7470 Mercury								
Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Pace Analytical Services - Kansas City								
Mercury	ND	ug/L	0.20	1	09/24/20 12:52	09/25/20 11:42	7439-97-6	
7470 Mercury, Dissolved								
Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Pace Analytical Services - Kansas City								
Mercury, Dissolved	ND	ug/L	0.20	1	09/23/20 10:24	09/23/20 15:17	7439-97-6	
8270 MSSV DRO/ORO								
Analytical Method: EPA 8270 Preparation Method: EPA 3510C								
Pace Analytical Services - Kansas City								
TPH-ORO	ND	mg/L	1.0	1	09/24/20 21:47	09/28/20 21:55		
TPH-DRO	ND	mg/L	1.0	1	09/24/20 21:47	09/28/20 21:55		
Surrogates								
Nitrobenzene-d5 (S)	66	%	27-106	1	09/24/20 21:47	09/28/20 21:55	4165-60-0	
2-Fluorobiphenyl (S)	68	%	29-108	1	09/24/20 21:47	09/28/20 21:55	321-60-8	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: PINE LAWN

Pace Project No.: 60348944

Sample: PINE LAWN-FB1		Lab ID: 60348944008		Collected: 09/21/20 17:52		Received: 09/22/20 04:15		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
8270 MSSV DRO/ORO		Analytical Method: EPA 8270 Preparation Method: EPA 3510C Pace Analytical Services - Kansas City							
Surrogates									
Terphenyl-d14 (S)	57	%	34-129	1	09/24/20 21:47	09/28/20 21:55	1718-51-0		
8270 MSSV Semivolatile Organic		Analytical Method: EPA 8270 Preparation Method: EPA 3510 Pace Analytical Services - Kansas City							
Acenaphthene	ND	ug/L	10.0	1	09/22/20 17:36	09/24/20 21:03	83-32-9		
Acenaphthylene	ND	ug/L	10.0	1	09/22/20 17:36	09/24/20 21:03	208-96-8		
Anthracene	ND	ug/L	10.0	1	09/22/20 17:36	09/24/20 21:03	120-12-7		
Benzo(a)anthracene	ND	ug/L	10.0	1	09/22/20 17:36	09/24/20 21:03	56-55-3		
Benzo(a)pyrene	ND	ug/L	10.0	1	09/22/20 17:36	09/24/20 21:03	50-32-8		
Benzo(b)fluoranthene	ND	ug/L	10.0	1	09/22/20 17:36	09/24/20 21:03	205-99-2		
Benzo(g,h,i)perylene	ND	ug/L	10.0	1	09/22/20 17:36	09/24/20 21:03	191-24-2		
Benzo(k)fluoranthene	ND	ug/L	10.0	1	09/22/20 17:36	09/24/20 21:03	207-08-9		
Benzoic Acid	ND	ug/L	50.0	1	09/22/20 17:36	09/24/20 21:03	65-85-0		
Benzyl alcohol	ND	ug/L	20.0	1	09/22/20 17:36	09/24/20 21:03	100-51-6		
4-Bromophenylphenyl ether	ND	ug/L	10.0	1	09/22/20 17:36	09/24/20 21:03	101-55-3		
Butylbenzylphthalate	ND	ug/L	20.0	1	09/22/20 17:36	09/24/20 21:03	85-68-7		
Carbazole	ND	ug/L	10.0	1	09/22/20 17:36	09/24/20 21:03	86-74-8		
4-Chloro-3-methylphenol	ND	ug/L	20.0	1	09/22/20 17:36	09/24/20 21:03	59-50-7		
4-Chloroaniline	ND	ug/L	20.0	1	09/22/20 17:36	09/24/20 21:03	106-47-8		
bis(2-Chloroethoxy)methane	ND	ug/L	10.0	1	09/22/20 17:36	09/24/20 21:03	111-91-1		
bis(2-Chloroethyl) ether	ND	ug/L	10.0	1	09/22/20 17:36	09/24/20 21:03	111-44-4		
bis(2-Chloroisopropyl) ether	ND	ug/L	10.0	1	09/22/20 17:36	09/24/20 21:03	108-60-1		
2-Chloronaphthalene	ND	ug/L	10.0	1	09/22/20 17:36	09/24/20 21:03	91-58-7		
2-Chlorophenol	ND	ug/L	10.0	1	09/22/20 17:36	09/24/20 21:03	95-57-8		
4-Chlorophenylphenyl ether	ND	ug/L	10.0	1	09/22/20 17:36	09/24/20 21:03	7005-72-3		
Chrysene	ND	ug/L	10.0	1	09/22/20 17:36	09/24/20 21:03	218-01-9		
Dibenz(a,h)anthracene	ND	ug/L	10.0	1	09/22/20 17:36	09/24/20 21:03	53-70-3		
Dibenzofuran	ND	ug/L	10.0	1	09/22/20 17:36	09/24/20 21:03	132-64-9		
1,2-Dichlorobenzene	ND	ug/L	10.0	1	09/22/20 17:36	09/24/20 21:03	95-50-1		
1,3-Dichlorobenzene	ND	ug/L	10.0	1	09/22/20 17:36	09/24/20 21:03	541-73-1		
1,4-Dichlorobenzene	ND	ug/L	10.0	1	09/22/20 17:36	09/24/20 21:03	106-46-7		
3,3'-Dichlorobenzidine	ND	ug/L	20.0	1	09/22/20 17:36	09/24/20 21:03	91-94-1		
2,4-Dichlorophenol	ND	ug/L	10.0	1	09/22/20 17:36	09/24/20 21:03	120-83-2		
Diethylphthalate	ND	ug/L	10.0	1	09/22/20 17:36	09/24/20 21:03	84-66-2		
2,4-Dimethylphenol	ND	ug/L	10.0	1	09/22/20 17:36	09/24/20 21:03	105-67-9		
Dimethylphthalate	ND	ug/L	10.0	1	09/22/20 17:36	09/24/20 21:03	131-11-3		
Di-n-butylphthalate	ND	ug/L	10.0	1	09/22/20 17:36	09/24/20 21:03	84-74-2		
4,6-Dinitro-2-methylphenol	ND	ug/L	50.0	1	09/22/20 17:36	09/24/20 21:03	534-52-1		
2,4-Dinitrophenol	ND	ug/L	50.0	1	09/22/20 17:36	09/24/20 21:03	51-28-5		
2,4-Dinitrotoluene	ND	ug/L	10.0	1	09/22/20 17:36	09/24/20 21:03	121-14-2		
2,6-Dinitrotoluene	ND	ug/L	10.0	1	09/22/20 17:36	09/24/20 21:03	606-20-2		
Di-n-octylphthalate	ND	ug/L	10.0	1	09/22/20 17:36	09/24/20 21:03	117-84-0		
bis(2-Ethylhexyl)phthalate	ND	ug/L	20.0	1	09/22/20 17:36	09/24/20 21:03	117-81-7		
Fluoranthene	ND	ug/L	10.0	1	09/22/20 17:36	09/24/20 21:03	206-44-0		
Fluorene	ND	ug/L	10.0	1	09/22/20 17:36	09/24/20 21:03	86-73-7		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: PINE LAWN

Pace Project No.: 60348944

Sample: PINE LAWN-FB1		Lab ID: 60348944008		Collected: 09/21/20 17:52		Received: 09/22/20 04:15		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
8270 MSSV Semivolatile Organic									
Analytical Method: EPA 8270 Preparation Method: EPA 3510									
Pace Analytical Services - Kansas City									
Hexachloro-1,3-butadiene	ND	ug/L	10.0	1	09/22/20 17:36	09/24/20 21:03	87-68-3		
Hexachlorobenzene	ND	ug/L	10.0	1	09/22/20 17:36	09/24/20 21:03	118-74-1		
Hexachlorocyclopentadiene	ND	ug/L	10.0	1	09/22/20 17:36	09/24/20 21:03	77-47-4		
Hexachloroethane	ND	ug/L	10.0	1	09/22/20 17:36	09/24/20 21:03	67-72-1		
Indeno(1,2,3-cd)pyrene	ND	ug/L	10.0	1	09/22/20 17:36	09/24/20 21:03	193-39-5		
Isophorone	ND	ug/L	10.0	1	09/22/20 17:36	09/24/20 21:03	78-59-1		
2-Methylnaphthalene	ND	ug/L	10.0	1	09/22/20 17:36	09/24/20 21:03	91-57-6		
2-Methylphenol(o-Cresol)	ND	ug/L	10.0	1	09/22/20 17:36	09/24/20 21:03	95-48-7		
3&4-Methylphenol(m&p Cresol)	ND	ug/L	10.0	1	09/22/20 17:36	09/24/20 21:03	15831-10-4		
Naphthalene	ND	ug/L	10.0	1	09/22/20 17:36	09/24/20 21:03	91-20-3		
2-Nitroaniline	ND	ug/L	50.0	1	09/22/20 17:36	09/24/20 21:03	88-74-4		
3-Nitroaniline	ND	ug/L	50.0	1	09/22/20 17:36	09/24/20 21:03	99-09-2		
4-Nitroaniline	ND	ug/L	50.0	1	09/22/20 17:36	09/24/20 21:03	100-01-6		
Nitrobenzene	ND	ug/L	10.0	1	09/22/20 17:36	09/24/20 21:03	98-95-3		
2-Nitrophenol	ND	ug/L	10.0	1	09/22/20 17:36	09/24/20 21:03	88-75-5		
4-Nitrophenol	ND	ug/L	50.0	1	09/22/20 17:36	09/24/20 21:03	100-02-7		
N-Nitroso-di-n-propylamine	ND	ug/L	10.0	1	09/22/20 17:36	09/24/20 21:03	621-64-7		
N-Nitrosodiphenylamine	ND	ug/L	10.0	1	09/22/20 17:36	09/24/20 21:03	86-30-6		
Pentachlorophenol	ND	ug/L	50.0	1	09/22/20 17:36	09/24/20 21:03	87-86-5		
Phenanthrene	ND	ug/L	10.0	1	09/22/20 17:36	09/24/20 21:03	85-01-8		
Phenol	ND	ug/L	10.0	1	09/22/20 17:36	09/24/20 21:03	108-95-2		
Pyrene	ND	ug/L	10.0	1	09/22/20 17:36	09/24/20 21:03	129-00-0		
Pyridine	ND	ug/L	10.0	1	09/22/20 17:36	09/24/20 21:03	110-86-1		
1,2,4-Trichlorobenzene	ND	ug/L	10.0	1	09/22/20 17:36	09/24/20 21:03	120-82-1		
2,4,5-Trichlorophenol	ND	ug/L	50.0	1	09/22/20 17:36	09/24/20 21:03	95-95-4		
2,4,6-Trichlorophenol	ND	ug/L	10.0	1	09/22/20 17:36	09/24/20 21:03	88-06-2		
Surrogates									
Nitrobenzene-d5 (S)	70	%	27-106	1	09/22/20 17:36	09/24/20 21:03	4165-60-0		
2-Fluorobiphenyl (S)	66	%	29-108	1	09/22/20 17:36	09/24/20 21:03	321-60-8		
Terphenyl-d14 (S)	95	%	34-129	1	09/22/20 17:36	09/24/20 21:03	1718-51-0		
Phenol-d6 (S)	28	%	10-44	1	09/22/20 17:36	09/24/20 21:03	13127-88-3		
2-Fluorophenol (S)	43	%	11-64	1	09/22/20 17:36	09/24/20 21:03	367-12-4		
2,4,6-Tribromophenol (S)	75	%	16-114	1	09/22/20 17:36	09/24/20 21:03	118-79-6		
8260 MSV									
Analytical Method: EPA 5030B/8260									
Pace Analytical Services - Kansas City									
Acetone	ND	ug/L	10.0	1		09/25/20 03:53	67-64-1		
Benzene	ND	ug/L	1.0	1		09/25/20 03:53	71-43-2		
Bromobenzene	ND	ug/L	1.0	1		09/25/20 03:53	108-86-1		
Bromochloromethane	ND	ug/L	1.0	1		09/25/20 03:53	74-97-5		
Bromodichloromethane	ND	ug/L	1.0	1		09/25/20 13:11	75-27-4		
Bromoform	ND	ug/L	1.0	1		09/25/20 13:11	75-25-2		
Bromomethane	ND	ug/L	5.0	1		09/25/20 03:53	74-83-9		
2-Butanone (MEK)	ND	ug/L	10.0	1		09/25/20 03:53	78-93-3		
n-Butylbenzene	ND	ug/L	1.0	1		09/25/20 03:53	104-51-8		
sec-Butylbenzene	ND	ug/L	1.0	1		09/25/20 03:53	135-98-8		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: PINE LAWN

Pace Project No.: 60348944

Sample: PINE LAWN-FB1		Lab ID: 60348944008	Collected: 09/21/20 17:52	Received: 09/22/20 04:15	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 5030B/8260 Pace Analytical Services - Kansas City						
tert-Butylbenzene	ND	ug/L	1.0	1		09/25/20 03:53	98-06-6	
Carbon disulfide	ND	ug/L	5.0	1		09/25/20 03:53	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	1		09/25/20 13:11	56-23-5	
Chlorobenzene	ND	ug/L	1.0	1		09/25/20 03:53	108-90-7	
Chloroethane	ND	ug/L	1.0	1		09/25/20 03:53	75-00-3	
Chloroform	ND	ug/L	1.0	1		09/25/20 03:53	67-66-3	
Chloromethane	ND	ug/L	1.0	1		09/25/20 03:53	74-87-3	
2-Chlorotoluene	ND	ug/L	1.0	1		09/25/20 03:53	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	1		09/25/20 03:53	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	2.5	1		09/25/20 13:11	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	1		09/25/20 13:11	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	1		09/25/20 03:53	106-93-4	
Dibromomethane	ND	ug/L	1.0	1		09/25/20 03:53	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	1		09/25/20 03:53	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	1		09/25/20 03:53	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	1		09/25/20 03:53	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	1		09/25/20 03:53	75-71-8	L2
1,1-Dichloroethane	ND	ug/L	1.0	1		09/25/20 03:53	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	1		09/25/20 03:53	107-06-2	
1,2-Dichloroethene (Total)	ND	ug/L	1.0	1		09/25/20 03:53	540-59-0	
1,1-Dichloroethene	ND	ug/L	1.0	1		09/25/20 03:53	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	1		09/25/20 03:53	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		09/25/20 03:53	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	1		09/25/20 03:53	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	1		09/25/20 03:53	142-28-9	
2,2-Dichloropropane	ND	ug/L	1.0	1		09/25/20 03:53	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	1		09/25/20 03:53	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	1.0	1		09/25/20 13:11	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	1		09/25/20 13:11	10061-02-6	
Ethylbenzene	ND	ug/L	1.0	1		09/25/20 03:53	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	1.0	1		09/25/20 03:53	87-68-3	
2-Hexanone	ND	ug/L	10.0	1		09/25/20 03:53	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	1.0	1		09/25/20 03:53	98-82-8	
p-Isopropyltoluene	ND	ug/L	1.0	1		09/25/20 03:53	99-87-6	
Methylene Chloride	ND	ug/L	1.0	1		09/25/20 03:53	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	10.0	1		09/25/20 03:53	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	1.0	1		09/25/20 03:53	1634-04-4	
Naphthalene	ND	ug/L	10.0	1		09/25/20 03:53	91-20-3	
n-Propylbenzene	ND	ug/L	1.0	1		09/25/20 03:53	103-65-1	
Styrene	ND	ug/L	1.0	1		09/25/20 03:53	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	1		09/25/20 03:53	630-20-6	L2
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	1		09/25/20 03:53	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	1		09/25/20 03:53	127-18-4	
Toluene	ND	ug/L	1.0	1		09/25/20 03:53	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	1		09/25/20 03:53	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	1		09/25/20 03:53	120-82-1	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: PINE LAWN

Pace Project No.: 60348944

Sample: PINE LAWN-FB1		Lab ID: 60348944008		Collected: 09/21/20 17:52		Received: 09/22/20 04:15		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
8260 MSV		Analytical Method: EPA 5030B/8260 Pace Analytical Services - Kansas City							
1,1,1-Trichloroethane	ND	ug/L	1.0	1		09/25/20 03:53	71-55-6	L2	
1,1,2-Trichloroethane	ND	ug/L	1.0	1		09/25/20 03:53	79-00-5		
Trichloroethene	ND	ug/L	1.0	1		09/25/20 03:53	79-01-6		
Trichlorofluoromethane	ND	ug/L	1.0	1		09/25/20 03:53	75-69-4		
1,2,3-Trichloropropane	ND	ug/L	2.5	1		09/25/20 03:53	96-18-4		
1,2,4-Trimethylbenzene	ND	ug/L	1.0	1		09/25/20 03:53	95-63-6		
1,3,5-Trimethylbenzene	ND	ug/L	1.0	1		09/25/20 03:53	108-67-8		
Vinyl chloride	ND	ug/L	1.0	1		09/25/20 03:53	75-01-4		
Xylene (Total)	ND	ug/L	3.0	1		09/25/20 03:53	1330-20-7		
Surrogates									
4-Bromofluorobenzene (S)	99	%	80-120	1		09/25/20 03:53	460-00-4		
1,2-Dichloroethane-d4 (S)	98	%	86-117	1		09/25/20 03:53	17060-07-0		
Toluene-d8 (S)	104	%	80-120	1		09/25/20 03:53	2037-26-5		
Preservation pH	1.0		0.10	1		09/25/20 03:53			
8260 MSV GRO and Oxygenates		Analytical Method: EPA 8260 Pace Analytical Services - Kansas City							
TPH-GRO	ND	ug/L	500	1		09/25/20 13:11			
Surrogates									
Toluene-d8 (S)	99	%	80-120	1		09/25/20 13:11	2037-26-5		
4-Bromofluorobenzene (S)	102	%	80-120	1		09/25/20 13:11	460-00-4		
1,2-Dichloroethane-d4 (S)	101	%	86-117	1		09/25/20 13:11	17060-07-0		
Preservation pH	1.0		0.10	1		09/25/20 13:11			

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: PINE LAWN

Pace Project No.: 60348944

QC Batch: 678729

Analysis Method: EPA 7470

QC Batch Method: EPA 7470

Analysis Description: 7470 Mercury

Laboratory: Pace Analytical Services - Kansas City

Associated Lab Samples: 60348944008

METHOD BLANK: 2744320

Matrix: Water

Associated Lab Samples: 60348944008

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury	ug/L	ND	0.20	09/25/20 10:31	

LABORATORY CONTROL SAMPLE: 2744321

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	5	5.1	103	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2744322 2744323

Parameter	Units	60347988002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	ug/L	0.13 mg/L	5	5	214	142	1620	176	75-125	41	20	M1,R1

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

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: PINE LAWN

Pace Project No.: 60348944

QC Batch: 678386

Analysis Method: EPA 7470

QC Batch Method: EPA 7470

Analysis Description: 7470 Mercury ,Dissolved

Laboratory: Pace Analytical Services - Kansas City

Associated Lab Samples: 60348944008

METHOD BLANK: 2743105

Matrix: Water

Associated Lab Samples: 60348944008

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury, Dissolved	ug/L	ND	0.20	09/23/20 14:54	

LABORATORY CONTROL SAMPLE: 2743106

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury, Dissolved	ug/L	5	5.3	106	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2743107 2743108

Parameter	Units	60348958003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury, Dissolved	ug/L	ND	5	5	5.2	5.1	104	101	75-125	2	20	

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

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: PINE LAWN
Pace Project No.: 60348944

QC Batch: 679313 Analysis Method: EPA 7471
QC Batch Method: EPA 7471 Analysis Description: 7471 Mercury
Laboratory: Pace Analytical Services - Kansas City
Associated Lab Samples: 60348944001, 60348944002, 60348944003, 60348944004, 60348944005, 60348944007

METHOD BLANK: 2746899 Matrix: Solid
Associated Lab Samples: 60348944001, 60348944002, 60348944003, 60348944004, 60348944005, 60348944007

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury	mg/kg	ND	0.050	09/29/20 12:20	

LABORATORY CONTROL SAMPLE: 2746900

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	mg/kg	0.5	0.46	92	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2746901 2746902

Parameter	Units	60348842021 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	mg/kg	0.021J	0.52	0.51	0.50	0.48	92	91	75-125	4	20	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: PINE LAWN
Pace Project No.: 60348944

QC Batch: 680128 Analysis Method: EPA 6010
QC Batch Method: EPA 3050 Analysis Description: 6010 MET
Laboratory: Pace Analytical Services - Kansas City
Associated Lab Samples: 60348944001, 60348944002, 60348944003, 60348944004, 60348944005, 60348944007

METHOD BLANK: 2749566 Matrix: Solid
Associated Lab Samples: 60348944001, 60348944002, 60348944003, 60348944004, 60348944005, 60348944007

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Arsenic	mg/kg	ND	1.0	10/02/20 13:23	
Barium	mg/kg	ND	0.50	10/02/20 13:23	
Cadmium	mg/kg	ND	0.50	10/02/20 13:23	
Chromium	mg/kg	ND	0.50	10/02/20 13:23	
Lead	mg/kg	ND	1.0	10/02/20 13:23	
Selenium	mg/kg	ND	1.5	10/02/20 13:23	
Silver	mg/kg	ND	0.70	10/02/20 13:23	

LABORATORY CONTROL SAMPLE: 2749567

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Arsenic	mg/kg	100	96.4	96	80-120	
Barium	mg/kg	100	100	100	80-120	
Cadmium	mg/kg	100	95.4	95	80-120	
Chromium	mg/kg	100	99.3	99	80-120	
Lead	mg/kg	100	101	101	80-120	
Selenium	mg/kg	100	93.3	93	80-120	
Silver	mg/kg	50	48.7	97	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2749568 2749569

Parameter	Units	60348880001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Arsenic	mg/kg	5.9	98.6	107	91.3	98.1	87	86	75-125	7	20	
Barium	mg/kg	133	98.6	107	245	224	114	85	75-125	9	20	
Cadmium	mg/kg	ND	98.6	107	86.2	93.4	87	87	75-125	8	20	
Chromium	mg/kg	32.5	98.6	107	126	131	95	92	75-125	4	20	
Lead	mg/kg	10	98.6	107	94.6	102	86	86	75-125	7	20	
Selenium	mg/kg	ND	98.6	107	81.5	89.0	83	83	75-125	9	20	
Silver	mg/kg	ND	49.3	53.5	46.3	49.9	93	92	75-125	7	20	

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QUALITY CONTROL DATA

Project: PINE LAWN
Pace Project No.: 60348944

QC Batch: 680174	Analysis Method: EPA 6010
QC Batch Method: EPA 3010	Analysis Description: 6010 MET
	Laboratory: Pace Analytical Services - Kansas City

Associated Lab Samples: 60348944008

METHOD BLANK: 2749655 Matrix: Water

Associated Lab Samples: 60348944008

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Arsenic	ug/L	ND	10.0	10/01/20 18:56	
Barium	ug/L	ND	5.0	10/01/20 18:56	
Cadmium	ug/L	ND	5.0	10/01/20 18:56	
Chromium	ug/L	ND	5.0	10/01/20 18:56	
Lead	ug/L	ND	10.0	10/01/20 18:56	
Selenium	ug/L	ND	15.0	10/01/20 18:56	
Silver	ug/L	ND	7.0	10/01/20 18:56	

LABORATORY CONTROL SAMPLE: 2749656

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Arsenic	ug/L	1000	970	97	80-120	
Barium	ug/L	1000	953	95	80-120	
Cadmium	ug/L	1000	974	97	80-120	
Chromium	ug/L	1000	978	98	80-120	
Lead	ug/L	1000	996	100	80-120	
Selenium	ug/L	1000	994	99	80-120	
Silver	ug/L	500	414	83	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2749657 2749658

Parameter	Units	60348883003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Arsenic	ug/L	222	1000	1000	1060	1020	83	80	75-125	3	20	
Barium	ug/L	5320	1000	1000	6140	6090	82	77	75-125	1	20	
Cadmium	ug/L	14.9	1000	1000	867	842	85	83	75-125	3	20	
Chromium	ug/L	401	1000	1000	1300	1290	90	89	75-125	1	20	
Lead	ug/L	3300	1000	1000	3910	3850	61	55	75-125	2	20 M1	
Selenium	ug/L	ND	1000	1000	782	759	78	75	75-125	3	20	
Silver	ug/L	14.1	500	500	394	388	76	75	75-125	2	20	

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QUALITY CONTROL DATA

Project: PINE LAWN
Pace Project No.: 60348944

QC Batch: 680184	Analysis Method: EPA 6010
QC Batch Method: EPA 3010	Analysis Description: 6010 MET Dissolved
	Laboratory: Pace Analytical Services - Kansas City

Associated Lab Samples: 60348944008

METHOD BLANK: 2749674 Matrix: Water

Associated Lab Samples: 60348944008

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Arsenic, Dissolved	ug/L	ND	10.0	10/02/20 09:56	
Barium, Dissolved	ug/L	ND	5.0	10/02/20 09:56	
Cadmium, Dissolved	ug/L	ND	5.0	10/02/20 09:56	
Chromium, Dissolved	ug/L	ND	5.0	10/02/20 09:56	
Lead, Dissolved	ug/L	ND	10.0	10/02/20 09:56	
Selenium, Dissolved	ug/L	ND	15.0	10/02/20 09:56	
Silver, Dissolved	ug/L	ND	7.0	10/02/20 09:56	

LABORATORY CONTROL SAMPLE: 2749675

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Arsenic, Dissolved	ug/L	1000	975	97	80-120	
Barium, Dissolved	ug/L	1000	943	94	80-120	
Cadmium, Dissolved	ug/L	1000	971	97	80-120	
Chromium, Dissolved	ug/L	1000	975	97	80-120	
Lead, Dissolved	ug/L	1000	1010	101	80-120	
Selenium, Dissolved	ug/L	1000	981	98	80-120	
Silver, Dissolved	ug/L	500	486	97	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2749676 2749677

Parameter	Units	60348883003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Arsenic, Dissolved	ug/L	ND	1000	1000	1020	1040	102	104	75-125	2	20	
Barium, Dissolved	ug/L	119	1000	1000	1070	1080	95	96	75-125	1	20	
Cadmium, Dissolved	ug/L	ND	1000	1000	974	988	97	99	75-125	1	20	
Chromium, Dissolved	ug/L	ND	1000	1000	978	988	98	99	75-125	1	20	
Lead, Dissolved	ug/L	ND	1000	1000	971	984	97	98	75-125	1	20	
Selenium, Dissolved	ug/L	27.4	1000	1000	1020	1040	100	101	75-125	2	20	
Silver, Dissolved	ug/L	ND	500	500	483	486	97	97	75-125	1	20	

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QUALITY CONTROL DATA

Project: PINE LAWN

Pace Project No.: 60348944

QC Batch: 678413

Analysis Method: EPA 8260B

QC Batch Method: EPA 5035A/5030

Analysis Description: 8260 MSV 5035A Volatile Organics

Laboratory: Pace Analytical Services - Kansas City

Associated Lab Samples: 60348944002, 60348944003, 60348944004, 60348944005, 60348944006, 60348944007

METHOD BLANK: 2743154

Matrix: Solid

Associated Lab Samples: 60348944002, 60348944003, 60348944004, 60348944005, 60348944006, 60348944007

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	ND	5.0	09/23/20 12:03	
1,1,1-Trichloroethane	ug/kg	ND	5.0	09/23/20 12:03	
1,1,2,2-Tetrachloroethane	ug/kg	ND	5.0	09/23/20 12:03	
1,1,2-Trichloroethane	ug/kg	ND	5.0	09/23/20 12:03	
1,1-Dichloroethane	ug/kg	ND	5.0	09/23/20 12:03	
1,1-Dichloroethene	ug/kg	ND	5.0	09/23/20 12:03	
1,1-Dichloropropene	ug/kg	ND	5.0	09/23/20 12:03	
1,2,3-Trichlorobenzene	ug/kg	ND	5.0	09/23/20 12:03	
1,2,3-Trichloropropane	ug/kg	ND	5.0	09/23/20 12:03	
1,2,4-Trichlorobenzene	ug/kg	ND	5.0	09/23/20 12:03	
1,2,4-Trimethylbenzene	ug/kg	ND	5.0	09/23/20 12:03	
1,2-Dibromo-3-chloropropane	ug/kg	ND	10.0	09/23/20 12:03	
1,2-Dibromoethane (EDB)	ug/kg	ND	5.0	09/23/20 12:03	
1,2-Dichlorobenzene	ug/kg	ND	5.0	09/23/20 12:03	
1,2-Dichloroethane	ug/kg	ND	5.0	09/23/20 12:03	
1,2-Dichloroethene (Total)	ug/kg	ND	5.0	09/23/20 12:03	
1,2-Dichloropropane	ug/kg	ND	5.0	09/23/20 12:03	
1,3,5-Trimethylbenzene	ug/kg	ND	5.0	09/23/20 12:03	
1,3-Dichlorobenzene	ug/kg	ND	5.0	09/23/20 12:03	
1,3-Dichloropropane	ug/kg	ND	5.0	09/23/20 12:03	
1,4-Dichlorobenzene	ug/kg	ND	5.0	09/23/20 12:03	
2,2-Dichloropropane	ug/kg	ND	5.0	09/23/20 12:03	
2-Butanone (MEK)	ug/kg	ND	10.0	09/23/20 12:03	
2-Chlorotoluene	ug/kg	ND	5.0	09/23/20 12:03	
2-Hexanone	ug/kg	ND	20.0	09/23/20 12:03	
4-Chlorotoluene	ug/kg	ND	5.0	09/23/20 12:03	
4-Methyl-2-pentanone (MIBK)	ug/kg	ND	10.0	09/23/20 12:03	
Acetone	ug/kg	ND	20.0	09/23/20 12:03	
Benzene	ug/kg	ND	5.0	09/23/20 12:03	
Bromobenzene	ug/kg	ND	5.0	09/23/20 12:03	
Bromochloromethane	ug/kg	ND	5.0	09/23/20 12:03	
Bromodichloromethane	ug/kg	ND	5.0	09/23/20 12:03	
Bromoform	ug/kg	ND	5.0	09/23/20 12:03	
Bromomethane	ug/kg	ND	5.0	09/23/20 12:03	
Carbon disulfide	ug/kg	ND	5.0	09/23/20 12:03	
Carbon tetrachloride	ug/kg	ND	5.0	09/23/20 12:03	
Chlorobenzene	ug/kg	ND	5.0	09/23/20 12:03	
Chloroethane	ug/kg	ND	5.0	09/23/20 12:03	
Chloroform	ug/kg	ND	5.0	09/23/20 12:03	
Chloromethane	ug/kg	ND	5.0	09/23/20 12:03	

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QUALITY CONTROL DATA

Project: PINE LAWN

Pace Project No.: 60348944

METHOD BLANK: 2743154

Matrix: Solid

Associated Lab Samples: 60348944002, 60348944003, 60348944004, 60348944005, 60348944006, 60348944007

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
cis-1,2-Dichloroethene	ug/kg	ND	5.0	09/23/20 12:03	
cis-1,3-Dichloropropene	ug/kg	ND	5.0	09/23/20 12:03	
Dibromochloromethane	ug/kg	ND	5.0	09/23/20 12:03	
Dibromomethane	ug/kg	ND	5.0	09/23/20 12:03	
Dichlorodifluoromethane	ug/kg	ND	5.0	09/23/20 12:03	
Ethylbenzene	ug/kg	ND	5.0	09/23/20 12:03	
Hexachloro-1,3-butadiene	ug/kg	ND	5.0	09/23/20 12:03	
Isopropylbenzene (Cumene)	ug/kg	ND	5.0	09/23/20 12:03	
Methyl-tert-butyl ether	ug/kg	ND	5.0	09/23/20 12:03	
Methylene Chloride	ug/kg	ND	5.0	09/23/20 12:03	
n-Butylbenzene	ug/kg	ND	5.0	09/23/20 12:03	
n-Propylbenzene	ug/kg	ND	5.0	09/23/20 12:03	
Naphthalene	ug/kg	ND	10.0	09/23/20 12:03	
p-Isopropyltoluene	ug/kg	ND	5.0	09/23/20 12:03	
sec-Butylbenzene	ug/kg	ND	5.0	09/23/20 12:03	
Styrene	ug/kg	ND	5.0	09/23/20 12:03	
tert-Butylbenzene	ug/kg	ND	25.0	09/23/20 12:03	
Tetrachloroethene	ug/kg	ND	5.0	09/23/20 12:03	
Toluene	ug/kg	ND	5.0	09/23/20 12:03	
trans-1,2-Dichloroethene	ug/kg	ND	5.0	09/23/20 12:03	
trans-1,3-Dichloropropene	ug/kg	ND	5.0	09/23/20 12:03	
Trichloroethene	ug/kg	ND	5.0	09/23/20 12:03	
Trichlorofluoromethane	ug/kg	ND	5.0	09/23/20 12:03	
Vinyl chloride	ug/kg	ND	5.0	09/23/20 12:03	
Xylene (Total)	ug/kg	ND	5.0	09/23/20 12:03	
1,2-Dichloroethane-d4 (S)	%	98	78-118	09/23/20 12:03	
4-Bromofluorobenzene (S)	%	100	85-115	09/23/20 12:03	
Toluene-d8 (S)	%	103	80-120	09/23/20 12:03	

LABORATORY CONTROL SAMPLE: 2743155

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	100	99.6	100	84-125	
1,1,1-Trichloroethane	ug/kg	100	96.0	96	81-121	
1,1,2,2-Tetrachloroethane	ug/kg	100	97.9	98	76-121	
1,1,2-Trichloroethane	ug/kg	100	102	102	83-118	
1,1-Dichloroethane	ug/kg	100	102	102	74-120	
1,1-Dichloroethene	ug/kg	100	95.9	96	71-124	
1,1-Dichloropropene	ug/kg	100	87.3	87	73-123	
1,2,3-Trichlorobenzene	ug/kg	100	103	103	81-123	
1,2,3-Trichloropropane	ug/kg	100	101	101	81-116	
1,2,4-Trichlorobenzene	ug/kg	100	103	103	79-126	
1,2,4-Trimethylbenzene	ug/kg	100	99.8	100	79-121	
1,2-Dibromo-3-chloropropane	ug/kg	100	96.2	96	74-125	

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QUALITY CONTROL DATA

Project: PINE LAWN

Pace Project No.: 60348944

LABORATORY CONTROL SAMPLE: 2743155

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dibromoethane (EDB)	ug/kg	100	104	104	64-137	
1,2-Dichlorobenzene	ug/kg	100	100	100	83-119	
1,2-Dichloroethane	ug/kg	100	93.9	94	58-128	
1,2-Dichloroethene (Total)	ug/kg	200	196	98	82-117	
1,2-Dichloropropane	ug/kg	100	98.8	99	77-122	
1,3,5-Trimethylbenzene	ug/kg	100	100	100	81-122	
1,3-Dichlorobenzene	ug/kg	100	100	100	83-119	
1,3-Dichloropropane	ug/kg	100	102	102	83-118	
1,4-Dichlorobenzene	ug/kg	100	94.2	94	83-116	
2,2-Dichloropropane	ug/kg	100	96.7	97	76-124	
2-Butanone (MEK)	ug/kg	500	503	101	63-122	
2-Chlorotoluene	ug/kg	100	97.7	98	79-119	
2-Hexanone	ug/kg	500	506	101	68-122	
4-Chlorotoluene	ug/kg	100	99.7	100	84-119	
4-Methyl-2-pentanone (MIBK)	ug/kg	500	507	101	63-128	
Acetone	ug/kg	500	477	95	55-124	
Benzene	ug/kg	100	93.8	94	67-126	
Bromobenzene	ug/kg	100	101	101	85-117	
Bromochloromethane	ug/kg	100	100	100	78-122	
Bromodichloromethane	ug/kg	100	100	100	82-120	
Bromoform	ug/kg	100	104	104	77-133	
Bromomethane	ug/kg	100	65.3	65	20-168	
Carbon disulfide	ug/kg	100	107	107	60-133	
Carbon tetrachloride	ug/kg	100	99.5	100	79-128	
Chlorobenzene	ug/kg	100	99.1	99	84-118	
Chloroethane	ug/kg	100	82.6	83	53-139	
Chloroform	ug/kg	100	98.0	98	82-120	
Chloromethane	ug/kg	100	51.8	52	33-143	
cis-1,2-Dichloroethene	ug/kg	100	98.5	98	83-117	
cis-1,3-Dichloropropene	ug/kg	100	99.3	99	80-122	
Dibromochloromethane	ug/kg	100	106	106	82-128	
Dibromomethane	ug/kg	100	101	101	82-119	
Dichlorodifluoromethane	ug/kg	100	33.1	33	12-159	
Ethylbenzene	ug/kg	100	97.2	97	69-127	
Hexachloro-1,3-butadiene	ug/kg	100	103	103	77-133	
Isopropylbenzene (Cumene)	ug/kg	100	97.0	97	83-122	
Methyl-tert-butyl ether	ug/kg	100	97.7	98	58-137	
Methylene Chloride	ug/kg	100	91.2	91	68-125	
n-Butylbenzene	ug/kg	100	106	106	73-131	
n-Propylbenzene	ug/kg	100	100	100	82-122	
Naphthalene	ug/kg	100	107	107	60-136	
p-Isopropyltoluene	ug/kg	100	91.6	92	74-129	
sec-Butylbenzene	ug/kg	100	109	109	71-133	
Styrene	ug/kg	100	103	103	84-121	
tert-Butylbenzene	ug/kg	100	99.4	99	81-122	
Tetrachloroethene	ug/kg	100	104	104	78-130	
Toluene	ug/kg	100	97.8	98	80-118	

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QUALITY CONTROL DATA

Project: PINE LAWN

Pace Project No.: 60348944

LABORATORY CONTROL SAMPLE: 2743155

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
trans-1,2-Dichloroethene	ug/kg	100	97.9	98	78-118	
trans-1,3-Dichloropropene	ug/kg	100	105	105	81-123	
Trichloroethene	ug/kg	100	103	103	78-127	
Trichlorofluoromethane	ug/kg	100	93.2	93	64-133	
Vinyl chloride	ug/kg	100	66.9	67	45-139	
Xylene (Total)	ug/kg	300	294	98	69-130	
1,2-Dichloroethane-d4 (S)	%			98	78-118	
4-Bromofluorobenzene (S)	%			97	85-115	
Toluene-d8 (S)	%			102	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2743156 2743157

Parameter	Units	60349026001		MS	MSD	MS		MSD	% Rec		Max	Qual
		Result	Conc.	Spike Conc.	Result	Result	% Rec	% Rec	Limits	RPD	RPD	
1,1,1,2-Tetrachloroethane	ug/kg	ND	128	127	102	99.7	79	79	13-133	2	39	
1,1,1-Trichloroethane	ug/kg	ND	128	127	99.3	98.8	77	78	30-131	0	28	
1,1,2,2-Tetrachloroethane	ug/kg	ND	128	127	87.5	82.5	68	65	10-139	6	49	
1,1,2-Trichloroethane	ug/kg	ND	128	127	107	106	84	83	10-145	2	41	
1,1-Dichloroethane	ug/kg	ND	128	127	109	108	85	85	24-125	1	31	
1,1-Dichloroethene	ug/kg	ND	128	127	87.1	90.8	68	72	34-118	4	30	
1,1-Dichloropropene	ug/kg	ND	128	127	84.3	85.7	66	68	29-116	2	30	
1,2,3-Trichlorobenzene	ug/kg	ND	128	127	67.8	62.8	53	49	10-115	8	40	
1,2,3-Trichloropropane	ug/kg	ND	128	127	105	105	82	83	10-150	0	46	
1,2,4-Trichlorobenzene	ug/kg	ND	128	127	69.7	65.8	53	50	10-115	6	44	
1,2,4-Trimethylbenzene	ug/kg	ND	128	127	88.0	85.2	67	66	10-123	3	37	
1,2-Dibromo-3-chloropropane	ug/kg	ND	128	127	96.8	98.5	75	78	10-136	2	42	
1,2-Dibromoethane (EDB)	ug/kg	ND	128	127	107	106	83	84	24-149	1	29	
1,2-Dichlorobenzene	ug/kg	ND	128	127	87.2	83.3	68	66	10-123	4	41	
1,2-Dichloroethane	ug/kg	ND	128	127	96.4	95.4	75	75	23-140	1	29	
1,2-Dichloroethene (Total)	ug/kg	ND	257	253	198	196	77	78	30-119	1	32	
1,2-Dichloropropane	ug/kg	ND	128	127	102	100	79	79	13-132	1	33	
1,3,5-Trimethylbenzene	ug/kg	ND	128	127	88.6	86.1	68	67	10-124	3	40	
1,3-Dichlorobenzene	ug/kg	ND	128	127	86.5	83.4	67	66	10-122	4	42	
1,3-Dichloropropane	ug/kg	ND	128	127	105	103	82	82	10-135	2	36	
1,4-Dichlorobenzene	ug/kg	ND	128	127	82.0	78.3	64	62	10-120	5	38	
2,2-Dichloropropane	ug/kg	ND	128	127	98.0	97.6	76	77	22-135	0	31	
2-Butanone (MEK)	ug/kg	ND	642	633	533	521	83	82	12-127	2	37	
2-Chlorotoluene	ug/kg	ND	128	127	90.1	88.6	70	70	10-126	2	38	
2-Hexanone	ug/kg	ND	642	633	518	517	81	82	10-135	0	37	
4-Chlorotoluene	ug/kg	ND	128	127	89.3	87.8	70	69	10-129	2	40	
4-Methyl-2-pentanone (MIBK)	ug/kg	ND	642	633	520	510	81	81	10-129	2	36	
Acetone	ug/kg	ND	642	633	483	450	73	69	10-143	7	34	
Benzene	ug/kg	ND	128	127	96.3	96.0	75	76	37-135	0	24	
Bromobenzene	ug/kg	ND	128	127	103	96.8	80	76	10-134	6	45	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: PINE LAWN

Pace Project No.: 60348944

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2743156 2743157											
Parameter	Units	60349026001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	Max RPD	Qual
Bromochloromethane	ug/kg	ND	128	127	105	104	82	82	17-129	1	34
Bromodichloromethane	ug/kg	ND	128	127	104	103	81	82	12-130	1	33
Bromoform	ug/kg	ND	128	127	105	104	82	83	10-135	1	39
Bromomethane	ug/kg	ND	128	127	52.4	47.2	41	37	10-124	10	41
Carbon disulfide	ug/kg	ND	128	127	89.3	94.0	70	74	17-116	5	28
Carbon tetrachloride	ug/kg	ND	128	127	100	101	77	78	29-127	0	35
Chlorobenzene	ug/kg	ND	128	127	98.7	97.0	77	77	10-133	2	33
Chloroethane	ug/kg	ND	128	127	66.6	61.2	52	48	25-116	9	33
Chloroform	ug/kg	ND	128	127	107	107	79	80	20-130	0	30
Chloromethane	ug/kg	ND	128	127	32.6	33.3	25	26	10-113	2	31
cis-1,2-Dichloroethene	ug/kg	ND	128	127	102	99.2	80	78	22-126	3	31
cis-1,3-Dichloropropene	ug/kg	ND	128	127	102	100	80	79	10-125	2	34
Dibromochloromethane	ug/kg	ND	128	127	110	109	86	87	10-138	1	38
Dibromomethane	ug/kg	ND	128	127	104	101	81	80	13-129	3	38
Dichlorodifluoromethane	ug/kg	ND	128	127	13.2	12.8	10	10	10-114	3	33
Ethylbenzene	ug/kg	ND	128	127	94.7	93.0	74	73	31-142	2	25
Hexachloro-1,3-butadiene	ug/kg	12.0	128	127	68.5	62.8	44	40	10-124	9	41
Isopropylbenzene (Cumene)	ug/kg	ND	128	127	89.2	86.2	69	68	17-120	3	34
Methyl-tert-butyl ether	ug/kg	ND	128	127	97.9	96.1	76	76	30-143	2	28
Methylene Chloride	ug/kg	ND	128	127	90.3	90.1	70	71	24-121	0	33
n-Butylbenzene	ug/kg	ND	128	127	80.9	77.6	62	61	10-121	4	36
n-Propylbenzene	ug/kg	ND	128	127	88.2	86.2	68	68	12-125	2	37
Naphthalene	ug/kg	ND	128	127	87.5	77.8	64	57	10-156	12	34
p-Isopropyltoluene	ug/kg	6.8	128	127	80.3	79.1	57	57	10-119	1	37
sec-Butylbenzene	ug/kg	ND	128	127	89.8	87.0	70	68	10-127	3	40
Styrene	ug/kg	ND	128	127	99.0	95.8	77	76	10-124	3	37
tert-Butylbenzene	ug/kg	ND	128	127	86.1	83.0	67	66	10-126	4	37
Tetrachloroethene	ug/kg	31.0	128	127	121	119	71	70	15-133	2	36
Toluene	ug/kg	ND	128	127	99.3	98.7	77	78	40-137	1	25
trans-1,2-Dichloroethene	ug/kg	ND	128	127	96.0	97.0	75	77	22-129	1	34
trans-1,3-Dichloropropene	ug/kg	ND	128	127	108	107	84	84	10-130	1	35
Trichloroethene	ug/kg	ND	128	127	117	120	91	95	19-135	3	34
Trichlorofluoromethane	ug/kg	ND	128	127	78.6	79.3	61	63	16-132	1	28
Vinyl chloride	ug/kg	ND	128	127	45.0	46.2	35	36	14-116	3	28
Xylene (Total)	ug/kg	ND	385	380	282	274	73	72	19-153	3	27
1,2-Dichloroethane-d4 (S)	%						97	96	78-118		
4-Bromofluorobenzene (S)	%						98	99	85-115		
Toluene-d8 (S)	%						102	102	80-120		

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QUALITY CONTROL DATA

Project: PINE LAWN

Pace Project No.: 60348944

QC Batch: 678763

Analysis Method: EPA 8260B

QC Batch Method: EPA 5035A/5030

Analysis Description: 8260 MSV 5035A Volatile Organics

Laboratory: Pace Analytical Services - Kansas City

Associated Lab Samples: 60348944001

METHOD BLANK: 2744448

Matrix: Solid

Associated Lab Samples: 60348944001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	ND	5.0	09/24/20 09:25	
1,1,1-Trichloroethane	ug/kg	ND	5.0	09/24/20 09:25	
1,1,2,2-Tetrachloroethane	ug/kg	ND	5.0	09/24/20 09:25	
1,1,2-Trichloroethane	ug/kg	ND	5.0	09/24/20 09:25	
1,1-Dichloroethane	ug/kg	ND	5.0	09/24/20 09:25	
1,1-Dichloroethene	ug/kg	ND	5.0	09/24/20 09:25	
1,1-Dichloropropene	ug/kg	ND	5.0	09/24/20 09:25	
1,2,3-Trichlorobenzene	ug/kg	ND	5.0	09/24/20 09:25	
1,2,3-Trichloropropane	ug/kg	ND	5.0	09/24/20 09:25	
1,2,4-Trichlorobenzene	ug/kg	ND	5.0	09/24/20 09:25	
1,2,4-Trimethylbenzene	ug/kg	ND	5.0	09/24/20 09:25	
1,2-Dibromo-3-chloropropane	ug/kg	ND	10.0	09/24/20 09:25	
1,2-Dibromoethane (EDB)	ug/kg	ND	5.0	09/24/20 09:25	
1,2-Dichlorobenzene	ug/kg	ND	5.0	09/24/20 09:25	
1,2-Dichloroethane	ug/kg	ND	5.0	09/24/20 09:25	
1,2-Dichloroethene (Total)	ug/kg	ND	5.0	09/24/20 09:25	
1,2-Dichloropropane	ug/kg	ND	5.0	09/24/20 09:25	
1,3,5-Trimethylbenzene	ug/kg	ND	5.0	09/24/20 09:25	
1,3-Dichlorobenzene	ug/kg	ND	5.0	09/24/20 09:25	
1,3-Dichloropropane	ug/kg	ND	5.0	09/24/20 09:25	
1,4-Dichlorobenzene	ug/kg	ND	5.0	09/24/20 09:25	
2,2-Dichloropropane	ug/kg	ND	5.0	09/24/20 09:25	
2-Butanone (MEK)	ug/kg	ND	10.0	09/24/20 09:25	
2-Chlorotoluene	ug/kg	ND	5.0	09/24/20 09:25	
2-Hexanone	ug/kg	ND	20.0	09/24/20 09:25	
4-Chlorotoluene	ug/kg	ND	5.0	09/24/20 09:25	
4-Methyl-2-pentanone (MIBK)	ug/kg	ND	10.0	09/24/20 09:25	
Acetone	ug/kg	ND	20.0	09/24/20 09:25	
Benzene	ug/kg	ND	5.0	09/24/20 09:25	
Bromobenzene	ug/kg	ND	5.0	09/24/20 09:25	
Bromochloromethane	ug/kg	ND	5.0	09/24/20 09:25	
Bromodichloromethane	ug/kg	ND	5.0	09/24/20 09:25	
Bromoform	ug/kg	ND	5.0	09/24/20 09:25	
Bromomethane	ug/kg	ND	5.0	09/24/20 09:25	
Carbon disulfide	ug/kg	ND	5.0	09/24/20 09:25	
Carbon tetrachloride	ug/kg	ND	5.0	09/24/20 09:25	
Chlorobenzene	ug/kg	ND	5.0	09/24/20 09:25	
Chloroethane	ug/kg	ND	5.0	09/24/20 09:25	
Chloroform	ug/kg	ND	5.0	09/24/20 09:25	
Chloromethane	ug/kg	ND	5.0	09/24/20 09:25	

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QUALITY CONTROL DATA

Project: PINE LAWN

Pace Project No.: 60348944

METHOD BLANK: 2744448

Matrix: Solid

Associated Lab Samples: 60348944001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
cis-1,2-Dichloroethene	ug/kg	ND	5.0	09/24/20 09:25	
cis-1,3-Dichloropropene	ug/kg	ND	5.0	09/24/20 09:25	
Dibromochloromethane	ug/kg	ND	5.0	09/24/20 09:25	
Dibromomethane	ug/kg	ND	5.0	09/24/20 09:25	
Dichlorodifluoromethane	ug/kg	ND	5.0	09/24/20 09:25	
Ethylbenzene	ug/kg	ND	5.0	09/24/20 09:25	
Hexachloro-1,3-butadiene	ug/kg	ND	5.0	09/24/20 09:25	
Isopropylbenzene (Cumene)	ug/kg	ND	5.0	09/24/20 09:25	
Methyl-tert-butyl ether	ug/kg	ND	5.0	09/24/20 09:25	
Methylene Chloride	ug/kg	ND	5.0	09/24/20 09:25	
n-Butylbenzene	ug/kg	ND	5.0	09/24/20 09:25	
n-Propylbenzene	ug/kg	ND	5.0	09/24/20 09:25	
Naphthalene	ug/kg	ND	10.0	09/24/20 09:25	
p-Isopropyltoluene	ug/kg	ND	5.0	09/24/20 09:25	
sec-Butylbenzene	ug/kg	ND	5.0	09/24/20 09:25	
Styrene	ug/kg	ND	5.0	09/24/20 09:25	
tert-Butylbenzene	ug/kg	ND	25.0	09/24/20 09:25	
Tetrachloroethene	ug/kg	ND	5.0	09/24/20 09:25	
Toluene	ug/kg	ND	5.0	09/24/20 09:25	
trans-1,2-Dichloroethene	ug/kg	ND	5.0	09/24/20 09:25	
trans-1,3-Dichloropropene	ug/kg	ND	5.0	09/24/20 09:25	
Trichloroethene	ug/kg	ND	5.0	09/24/20 09:25	
Trichlorofluoromethane	ug/kg	ND	5.0	09/24/20 09:25	
Vinyl chloride	ug/kg	ND	5.0	09/24/20 09:25	
Xylene (Total)	ug/kg	ND	5.0	09/24/20 09:25	
1,2-Dichloroethane-d4 (S)	%	98	78-118	09/24/20 09:25	
4-Bromofluorobenzene (S)	%	98	85-115	09/24/20 09:25	
Toluene-d8 (S)	%	103	80-120	09/24/20 09:25	

LABORATORY CONTROL SAMPLE: 2744449

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	100	102	102	84-125	
1,1,1-Trichloroethane	ug/kg	100	99.7	100	81-121	
1,1,2,2-Tetrachloroethane	ug/kg	100	94.1	94	76-121	
1,1,2-Trichloroethane	ug/kg	100	99.2	99	83-118	
1,1-Dichloroethane	ug/kg	100	102	102	74-120	
1,1-Dichloroethene	ug/kg	100	103	103	71-124	
1,1-Dichloropropene	ug/kg	100	89.8	90	73-123	
1,2,3-Trichlorobenzene	ug/kg	100	103	103	81-123	
1,2,3-Trichloropropane	ug/kg	100	96.3	96	81-116	
1,2,4-Trichlorobenzene	ug/kg	100	104	104	79-126	
1,2,4-Trimethylbenzene	ug/kg	100	99.3	99	79-121	
1,2-Dibromo-3-chloropropane	ug/kg	100	96.0	96	74-125	

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QUALITY CONTROL DATA

Project: PINE LAWN

Pace Project No.: 60348944

LABORATORY CONTROL SAMPLE: 2744449

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dibromoethane (EDB)	ug/kg	100	102	102	64-137	
1,2-Dichlorobenzene	ug/kg	100	99.7	100	83-119	
1,2-Dichloroethane	ug/kg	100	90.4	90	58-128	
1,2-Dichloroethene (Total)	ug/kg	200	202	101	82-117	
1,2-Dichloropropane	ug/kg	100	95.4	95	77-122	
1,3,5-Trimethylbenzene	ug/kg	100	100	100	81-122	
1,3-Dichlorobenzene	ug/kg	100	101	101	83-119	
1,3-Dichloropropane	ug/kg	100	98.8	99	83-118	
1,4-Dichlorobenzene	ug/kg	100	94.1	94	83-116	
2,2-Dichloropropane	ug/kg	100	98.9	99	76-124	
2-Butanone (MEK)	ug/kg	500	458	92	63-122	
2-Chlorotoluene	ug/kg	100	96.1	96	79-119	
2-Hexanone	ug/kg	500	466	93	68-122	
4-Chlorotoluene	ug/kg	100	97.2	97	84-119	
4-Methyl-2-pentanone (MIBK)	ug/kg	500	463	93	63-128	
Acetone	ug/kg	500	420	84	55-124	
Benzene	ug/kg	100	94.9	95	67-126	
Bromobenzene	ug/kg	100	98.7	99	85-117	
Bromochloromethane	ug/kg	100	103	103	78-122	
Bromodichloromethane	ug/kg	100	99.6	100	82-120	
Bromoform	ug/kg	100	110	110	77-133	
Bromomethane	ug/kg	100	82.8	83	20-168	
Carbon disulfide	ug/kg	100	117	117	60-133	
Carbon tetrachloride	ug/kg	100	109	109	79-128	
Chlorobenzene	ug/kg	100	100	100	84-118	
Chloroethane	ug/kg	100	88.7	89	53-139	
Chloroform	ug/kg	100	98.0	98	82-120	
Chloromethane	ug/kg	100	60.8	61	33-143	
cis-1,2-Dichloroethene	ug/kg	100	98.9	99	83-117	
cis-1,3-Dichloropropene	ug/kg	100	97.6	98	80-122	
Dibromochloromethane	ug/kg	100	110	110	82-128	
Dibromomethane	ug/kg	100	97.8	98	82-119	
Dichlorodifluoromethane	ug/kg	100	46.0	46	12-159	
Ethylbenzene	ug/kg	100	99.6	100	69-127	
Hexachloro-1,3-butadiene	ug/kg	100	107	107	77-133	
Isopropylbenzene (Cumene)	ug/kg	100	100	100	83-122	
Methyl-tert-butyl ether	ug/kg	100	91.7	92	58-137	
Methylene Chloride	ug/kg	100	90.6	91	68-125	
n-Butylbenzene	ug/kg	100	108	108	73-131	
n-Propylbenzene	ug/kg	100	100	100	82-122	
Naphthalene	ug/kg	100	105	105	60-136	
p-Isopropyltoluene	ug/kg	100	93.8	94	74-129	
sec-Butylbenzene	ug/kg	100	111	111	71-133	
Styrene	ug/kg	100	104	104	84-121	
tert-Butylbenzene	ug/kg	100	100	100	81-122	
Tetrachloroethene	ug/kg	100	109	109	78-130	
Toluene	ug/kg	100	98.8	99	80-118	

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QUALITY CONTROL DATA

Project: PINE LAWN

Pace Project No.: 60348944

LABORATORY CONTROL SAMPLE: 2744449

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
trans-1,2-Dichloroethene	ug/kg	100	103	103	78-118	
trans-1,3-Dichloropropene	ug/kg	100	104	104	81-123	
Trichloroethene	ug/kg	100	103	103	78-127	
Trichlorofluoromethane	ug/kg	100	105	105	64-133	
Vinyl chloride	ug/kg	100	77.2	77	45-139	
Xylene (Total)	ug/kg	300	299	100	69-130	
1,2-Dichloroethane-d4 (S)	%			94	78-118	
4-Bromofluorobenzene (S)	%			94	85-115	
Toluene-d8 (S)	%			103	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2744450 2744451

Parameter	Units	60348965004 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,1,1,2-Tetrachloroethane	ug/kg	ND	123	123	101	112	83	91	13-133	10	39	
1,1,1-Trichloroethane	ug/kg	ND	123	123	94.1	102	77	83	30-131	8	28	
1,1,2,2-Tetrachloroethane	ug/kg	ND	123	123	99.2	108	81	88	10-139	9	49	
1,1,2-Trichloroethane	ug/kg	ND	123	123	99.9	110	81	89	10-145	9	41	
1,1-Dichloroethane	ug/kg	ND	123	123	91.5	94.1	75	76	24-125	3	31	
1,1-Dichloroethene	ug/kg	ND	123	123	78.4	84.1	64	68	34-118	7	30	
1,1-Dichloropropene	ug/kg	ND	123	123	92.2	99.3	75	81	29-116	7	30	
1,2,3-Trichlorobenzene	ug/kg	ND	123	123	96.5	108	79	88	10-115	11	40	
1,2,3-Trichloropropane	ug/kg	ND	123	123	101	114	83	92	10-150	11	46	
1,2,4-Trichlorobenzene	ug/kg	ND	123	123	94.3	105	77	85	10-115	11	44	
1,2,4-Trimethylbenzene	ug/kg	ND	123	123	95.9	106	78	86	10-123	10	37	
1,2-Dibromo-3-chloropropane	ug/kg	ND	123	123	96.7	106	79	86	10-136	10	42	
1,2-Dibromoethane (EDB)	ug/kg	ND	123	123	101	112	83	91	24-149	10	29	
1,2-Dichlorobenzene	ug/kg	ND	123	123	96.9	106	79	86	10-123	9	41	
1,2-Dichloroethane	ug/kg	ND	123	123	89.9	99.5	73	80	23-140	10	29	
1,2-Dichloroethene (Total)	ug/kg	ND	245	247	182	198	74	80	30-119	8	32	
1,2-Dichloropropane	ug/kg	ND	123	123	94.6	103	77	84	13-132	9	33	
1,3,5-Trimethylbenzene	ug/kg	ND	123	123	96.8	107	79	87	10-124	10	40	
1,3-Dichlorobenzene	ug/kg	ND	123	123	94.8	105	77	85	10-122	10	42	
1,3-Dichloropropane	ug/kg	ND	123	123	99.2	109	81	88	10-135	9	36	
1,4-Dichlorobenzene	ug/kg	ND	123	123	94.3	104	77	84	10-120	10	38	
2,2-Dichloropropane	ug/kg	ND	123	123	87.4	94.9	71	77	22-135	8	31	
2-Butanone (MEK)	ug/kg	ND	613	617	446	494	73	80	12-127	10	37	
2-Chlorotoluene	ug/kg	ND	123	123	94.3	104	77	84	10-126	10	38	
2-Hexanone	ug/kg	ND	613	617	480	526	78	85	10-135	9	37	
4-Chlorotoluene	ug/kg	ND	123	123	95.9	105	78	85	10-129	9	40	
4-Methyl-2-pentanone (MIBK)	ug/kg	ND	613	617	470	518	77	84	10-129	10	36	
Acetone	ug/kg	ND	613	617	387	429	62	69	10-143	10	34	
Benzene	ug/kg	ND	123	123	91.0	98.9	74	80	37-135	8	24	
Bromobenzene	ug/kg	ND	123	123	99.5	110	81	89	10-134	10	45	

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QUALITY CONTROL DATA

Project: PINE LAWN

Pace Project No.: 60348944

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2744450 2744451											
Parameter	Units	60348965004 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	Max RPD	Qual
Bromochloromethane	ug/kg	ND	123	123	97.5	106	80	86	17-129	8	34
Bromodichloromethane	ug/kg	ND	123	123	98.6	108	80	88	12-130	9	33
Bromoform	ug/kg	ND	123	123	106	117	87	95	10-135	9	39
Bromomethane	ug/kg	ND	123	123	46.8	50.5	38	41	10-124	8	41
Carbon disulfide	ug/kg	ND	123	123	67.1	72.2	55	59	17-116	7	28
Carbon tetrachloride	ug/kg	ND	123	123	94.1	103	77	84	29-127	9	35
Chlorobenzene	ug/kg	ND	123	123	98.8	109	81	88	10-133	10	33
Chloroethane	ug/kg	ND	123	123	59.2	63.2	48	51	25-116	7	33
Chloroform	ug/kg	ND	123	123	96.3	105	79	85	20-130	8	30
Chloromethane	ug/kg	ND	123	123	36.1	38.1	29	31	10-113	5	31
cis-1,2-Dichloroethene	ug/kg	ND	123	123	93.3	102	76	83	22-126	9	31
cis-1,3-Dichloropropene	ug/kg	ND	123	123	96.4	105	79	86	10-125	9	34
Dibromochloromethane	ug/kg	ND	123	123	102	114	83	92	10-138	11	38
Dibromomethane	ug/kg	ND	123	123	98.4	108	80	88	13-129	10	38
Dichlorodifluoromethane	ug/kg	ND	123	123	23.7	23.9	19	19	10-114	1	33
Ethylbenzene	ug/kg	ND	123	123	99.7	107	81	87	31-142	7	25
Hexachloro-1,3-butadiene	ug/kg	ND	123	123	97.6	107	80	87	10-124	9	41
Isopropylbenzene (Cumene)	ug/kg	ND	123	123	99.9	108	81	88	17-120	8	34
Methyl-tert-butyl ether	ug/kg	ND	123	123	91.5	101	75	82	30-143	10	28
Methylene Chloride	ug/kg	ND	123	123	83.2	90.4	68	73	24-121	8	33
n-Butylbenzene	ug/kg	ND	123	123	95.7	106	78	86	10-121	10	36
n-Propylbenzene	ug/kg	ND	123	123	96.5	107	79	86	12-125	10	37
Naphthalene	ug/kg	ND	123	123	104	117	85	95	10-156	12	34
p-Isopropyltoluene	ug/kg	ND	123	123	97.7	108	80	87	10-119	10	37
sec-Butylbenzene	ug/kg	ND	123	123	97.7	107	80	87	10-127	9	40
Styrene	ug/kg	ND	123	123	98.7	109	81	88	10-124	10	37
tert-Butylbenzene	ug/kg	ND	123	123	97.5	107	80	87	10-126	10	37
Tetrachloroethene	ug/kg	ND	123	123	101	111	83	90	15-133	9	36
Toluene	ug/kg	ND	123	123	95.4	105	78	85	40-137	10	25
trans-1,2-Dichloroethene	ug/kg	ND	123	123	89.0	96.5	73	78	22-129	8	34
trans-1,3-Dichloropropene	ug/kg	ND	123	123	97.2	110	79	89	10-130	12	35
Trichloroethene	ug/kg	ND	123	123	97.6	106	80	86	19-135	8	34
Trichlorofluoromethane	ug/kg	ND	123	123	70.7	74.9	58	61	16-132	6	28
Vinyl chloride	ug/kg	ND	123	123	45.4	48.2	37	39	14-116	6	28
Xylene (Total)	ug/kg	ND	368	369	291	320	79	87	19-153	10	27
1,2-Dichloroethane-d4 (S)	%						98	99	78-118		
4-Bromofluorobenzene (S)	%						96	97	85-115		
Toluene-d8 (S)	%						102	102	80-120		

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: PINE LAWN

Pace Project No.: 60348944

QC Batch: 678750

Analysis Method: EPA 5030B/8260

QC Batch Method: EPA 5030B/8260

Analysis Description: 8260 MSV Water 10 mL Purge

Laboratory: Pace Analytical Services - Kansas City

Associated Lab Samples: 60348944008

METHOD BLANK: 2744398

Matrix: Water

Associated Lab Samples: 60348944008

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	1.0	09/25/20 01:57	
1,1,1-Trichloroethane	ug/L	ND	1.0	09/25/20 01:57	
1,1,2,2-Tetrachloroethane	ug/L	ND	1.0	09/25/20 01:57	
1,1,2-Trichloroethane	ug/L	ND	1.0	09/25/20 01:57	
1,1-Dichloroethane	ug/L	ND	1.0	09/25/20 01:57	
1,1-Dichloroethene	ug/L	ND	1.0	09/25/20 01:57	
1,1-Dichloropropene	ug/L	ND	1.0	09/25/20 01:57	
1,2,3-Trichlorobenzene	ug/L	ND	1.0	09/25/20 01:57	
1,2,3-Trichloropropane	ug/L	ND	2.5	09/25/20 01:57	
1,2,4-Trichlorobenzene	ug/L	ND	1.0	09/25/20 01:57	
1,2,4-Trimethylbenzene	ug/L	ND	1.0	09/25/20 01:57	
1,2-Dibromoethane (EDB)	ug/L	ND	1.0	09/25/20 01:57	
1,2-Dichlorobenzene	ug/L	ND	1.0	09/25/20 01:57	
1,2-Dichloroethane	ug/L	ND	1.0	09/25/20 01:57	
1,2-Dichloroethene (Total)	ug/L	ND	1.0	09/25/20 01:57	
1,2-Dichloropropane	ug/L	ND	1.0	09/25/20 01:57	
1,3,5-Trimethylbenzene	ug/L	ND	1.0	09/25/20 01:57	
1,3-Dichlorobenzene	ug/L	ND	1.0	09/25/20 01:57	
1,3-Dichloropropane	ug/L	ND	1.0	09/25/20 01:57	
1,4-Dichlorobenzene	ug/L	ND	1.0	09/25/20 01:57	
2,2-Dichloropropane	ug/L	ND	1.0	09/25/20 01:57	
2-Butanone (MEK)	ug/L	ND	10.0	09/25/20 01:57	
2-Chlorotoluene	ug/L	ND	1.0	09/25/20 01:57	
2-Hexanone	ug/L	ND	10.0	09/25/20 01:57	
4-Chlorotoluene	ug/L	ND	1.0	09/25/20 01:57	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	10.0	09/25/20 01:57	
Acetone	ug/L	ND	10.0	09/25/20 01:57	
Benzene	ug/L	ND	1.0	09/25/20 01:57	
Bromobenzene	ug/L	ND	1.0	09/25/20 01:57	
Bromochloromethane	ug/L	ND	1.0	09/25/20 01:57	
Bromomethane	ug/L	ND	5.0	09/25/20 01:57	
Carbon disulfide	ug/L	ND	5.0	09/25/20 01:57	
Chlorobenzene	ug/L	ND	1.0	09/25/20 01:57	
Chloroethane	ug/L	ND	1.0	09/25/20 01:57	
Chloroform	ug/L	ND	1.0	09/25/20 01:57	
Chloromethane	ug/L	ND	1.0	09/25/20 01:57	
cis-1,2-Dichloroethene	ug/L	ND	1.0	09/25/20 01:57	
Dibromomethane	ug/L	ND	1.0	09/25/20 01:57	
Dichlorodifluoromethane	ug/L	ND	1.0	09/25/20 01:57	
Ethylbenzene	ug/L	ND	1.0	09/25/20 01:57	

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QUALITY CONTROL DATA

Project: PINE LAWN

Pace Project No.: 60348944

METHOD BLANK: 2744398

Matrix: Water

Associated Lab Samples: 60348944008

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Hexachloro-1,3-butadiene	ug/L	ND	1.0	09/25/20 01:57	
Isopropylbenzene (Cumene)	ug/L	ND	1.0	09/25/20 01:57	
Methyl-tert-butyl ether	ug/L	ND	1.0	09/25/20 01:57	
Methylene Chloride	ug/L	ND	1.0	09/25/20 01:57	
n-Butylbenzene	ug/L	ND	1.0	09/25/20 01:57	
n-Propylbenzene	ug/L	ND	1.0	09/25/20 01:57	
Naphthalene	ug/L	ND	10.0	09/25/20 01:57	
p-Isopropyltoluene	ug/L	ND	1.0	09/25/20 01:57	
sec-Butylbenzene	ug/L	ND	1.0	09/25/20 01:57	
Styrene	ug/L	ND	1.0	09/25/20 01:57	
tert-Butylbenzene	ug/L	ND	1.0	09/25/20 01:57	
Tetrachloroethene	ug/L	ND	1.0	09/25/20 01:57	
Toluene	ug/L	ND	1.0	09/25/20 01:57	
trans-1,2-Dichloroethene	ug/L	ND	1.0	09/25/20 01:57	
Trichloroethene	ug/L	ND	1.0	09/25/20 01:57	
Trichlorofluoromethane	ug/L	ND	1.0	09/25/20 01:57	
Vinyl chloride	ug/L	ND	1.0	09/25/20 01:57	
Xylene (Total)	ug/L	ND	3.0	09/25/20 01:57	
1,2-Dichloroethane-d4 (S)	%	99	86-117	09/25/20 01:57	
4-Bromofluorobenzene (S)	%	100	80-120	09/25/20 01:57	
Toluene-d8 (S)	%	103	80-120	09/25/20 01:57	

LABORATORY CONTROL SAMPLE: 2744399

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	20	15.9	80	85-118	L2
1,1,1-Trichloroethane	ug/L	20	16.3	82	85-118	L2
1,1,2,2-Tetrachloroethane	ug/L	20	16.6	83	78-118	
1,1,2-Trichloroethane	ug/L	20	19.0	95	82-117	
1,1-Dichloroethane	ug/L	20	18.7	94	85-120	
1,1-Dichloroethene	ug/L	20	20.9	104	81-124	
1,1-Dichloropropene	ug/L	20	16.2	81	71-119	
1,2,3-Trichlorobenzene	ug/L	20	16.2	81	76-120	
1,2,3-Trichloropropane	ug/L	20	17.8	89	78-123	
1,2,4-Trichlorobenzene	ug/L	20	16.1	80	77-117	
1,2,4-Trimethylbenzene	ug/L	20	19.7	99	85-120	
1,2-Dibromoethane (EDB)	ug/L	20	18.0	90	83-120	
1,2-Dichlorobenzene	ug/L	20	19.6	98	80-120	
1,2-Dichloroethane	ug/L	20	18.2	91	79-118	
1,2-Dichloroethene (Total)	ug/L	40	36.8	92	84-118	
1,2-Dichloropropane	ug/L	20	18.1	91	85-117	
1,3,5-Trimethylbenzene	ug/L	20	19.9	100	80-118	
1,3-Dichlorobenzene	ug/L	20	19.5	97	80-120	
1,3-Dichloropropane	ug/L	20	18.3	91	85-120	

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QUALITY CONTROL DATA

Project: PINE LAWN

Pace Project No.: 60348944

LABORATORY CONTROL SAMPLE: 2744399

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,4-Dichlorobenzene	ug/L	20	19.0	95	84-115	
2,2-Dichloropropane	ug/L	20	12.9	65	60-129	
2-Butanone (MEK)	ug/L	100	93.4	93	70-125	
2-Chlorotoluene	ug/L	20	19.4	97	84-115	
2-Hexanone	ug/L	100	91.4	91	76-126	
4-Chlorotoluene	ug/L	20	18.8	94	83-116	
4-Methyl-2-pentanone (MIBK)	ug/L	100	95.3	95	73-131	
Acetone	ug/L	100	126	126	59-135	
Benzene	ug/L	20	19.0	95	82-115	
Bromobenzene	ug/L	20	20.0	100	84-115	
Bromochloromethane	ug/L	20	19.0	95	85-125	
Bromomethane	ug/L	20	14.7	74	27-179	
Carbon disulfide	ug/L	20	21.7	108	72-134	
Chlorobenzene	ug/L	20	19.7	99	80-120	
Chloroethane	ug/L	20	22.5	112	78-145	
Chloroform	ug/L	20	17.9	89	84-116	
Chloromethane	ug/L	20	14.8	74	48-160	
cis-1,2-Dichloroethene	ug/L	20	19.0	95	85-115	
Dibromomethane	ug/L	20	18.7	93	81-122	
Dichlorodifluoromethane	ug/L	20	8.0	40	50-173	L2,SS
Ethylbenzene	ug/L	20	18.7	94	79-115	
Hexachloro-1,3-butadiene	ug/L	20	16.5	83	75-120	
Isopropylbenzene (Cumene)	ug/L	20	19.5	98	84-117	
Methyl-tert-butyl ether	ug/L	20	18.2	91	77-126	
Methylene Chloride	ug/L	20	21.2	106	80-126	
n-Butylbenzene	ug/L	20	19.2	96	81-120	
n-Propylbenzene	ug/L	20	19.4	97	80-116	
Naphthalene	ug/L	20	15.8	79	73-126	
p-Isopropyltoluene	ug/L	20	18.3	91	74-121	
sec-Butylbenzene	ug/L	20	22.1	111	75-130	
Styrene	ug/L	20	20.6	103	80-117	
tert-Butylbenzene	ug/L	20	19.5	98	84-116	
Tetrachloroethene	ug/L	20	18.7	94	83-119	
Toluene	ug/L	20	19.1	96	83-115	
trans-1,2-Dichloroethene	ug/L	20	17.8	89	80-124	
Trichloroethene	ug/L	20	19.8	99	80-118	
Trichlorofluoromethane	ug/L	20	22.1	111	83-133	
Vinyl chloride	ug/L	20	18.0	90	76-144	
Xylene (Total)	ug/L	60	58.6	98	82-120	
1,2-Dichloroethane-d4 (S)	%			96	86-117	
4-Bromofluorobenzene (S)	%			98	80-120	
Toluene-d8 (S)	%			103	80-120	

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QUALITY CONTROL DATA

Project: PINE LAWN

Pace Project No.: 60348944

QC Batch: 678965

Analysis Method: EPA 5030B/8260

QC Batch Method: EPA 5030B/8260

Analysis Description: 8260 MSV Water 10 mL Purge

Laboratory: Pace Analytical Services - Kansas City

Associated Lab Samples: 60348944008

METHOD BLANK: 2745239

Matrix: Water

Associated Lab Samples: 60348944008

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,2-Dibromo-3-chloropropane	ug/L	ND	2.5	09/25/20 11:51	
Bromodichloromethane	ug/L	ND	1.0	09/25/20 11:51	
Bromoform	ug/L	ND	1.0	09/25/20 11:51	
Carbon tetrachloride	ug/L	ND	1.0	09/25/20 11:51	
cis-1,3-Dichloropropene	ug/L	ND	1.0	09/25/20 11:51	
Dibromochloromethane	ug/L	ND	1.0	09/25/20 11:51	
trans-1,3-Dichloropropene	ug/L	ND	1.0	09/25/20 11:51	
1,2-Dichloroethane-d4 (S)	%	101	86-117	09/25/20 11:51	
4-Bromofluorobenzene (S)	%	100	80-120	09/25/20 11:51	
Toluene-d8 (S)	%	99	80-120	09/25/20 11:51	

LABORATORY CONTROL SAMPLE: 2745240

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dibromo-3-chloropropane	ug/L	20	20.1	100	68-125	
Bromodichloromethane	ug/L	20	21.9	109	82-123	
Bromoform	ug/L	20	23.2	116	66-133	
Carbon tetrachloride	ug/L	20	20.7	103	80-121	
cis-1,3-Dichloropropene	ug/L	20	22.8	114	85-117	
Dibromochloromethane	ug/L	20	22.7	113	82-122	
trans-1,3-Dichloropropene	ug/L	20	22.7	113	83-117	
1,2-Dichloroethane-d4 (S)	%			99	86-117	
4-Bromofluorobenzene (S)	%			99	80-120	
Toluene-d8 (S)	%			99	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2745241 2745242

Parameter	Units	60348619014 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,2-Dibromo-3-chloropropane	ug/L	<23.8	20	20	18.1	18.8	90	94	56-128	4	33	
Bromodichloromethane	ug/L	<3.0	20	20	21.2	21.4	106	107	71-124	1	19	
Bromoform	ug/L	<9.5	20	20	20.7	20.4	103	102	56-113	1	18	
Carbon tetrachloride	ug/L	<4.8	20	20	21.6	22.5	108	113	84-130	4	21	
cis-1,3-Dichloropropene	ug/L	<3.2	20	20	21.3	20.7	106	104	60-124	3	20	
Dibromochloromethane	ug/L	<4.2	20	20	21.6	21.6	108	108	68-123	0	24	
trans-1,3-Dichloropropene	ug/L	<4.2	20	20	20.6	21.4	103	107	69-121	4	24	

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QUALITY CONTROL DATA

Project: PINE LAWN

Pace Project No.: 60348944

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2745241 2745242												
Parameter	Units	60348619014	MS	MSD	2745242		MS	MSD	% Rec	Max	Qual	
		Result	Spike Conc.	Spike Conc.	MS Result	MSD Result						
1,2-Dichloroethane-d4 (S)	%						98	101	86-117			
4-Bromofluorobenzene (S)	%						97	98	80-120			
Toluene-d8 (S)	%						102	98	80-120			

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QUALITY CONTROL DATA

Project: PINE LAWN

Pace Project No.: 60348944

QC Batch: 678959

Analysis Method: EPA 8260

QC Batch Method: EPA 8260

Analysis Description: 8260 MSV MO GRO Oxygenates

Laboratory: Pace Analytical Services - Kansas City

Associated Lab Samples: 60348944008

METHOD BLANK: 2745226

Matrix: Water

Associated Lab Samples: 60348944008

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
TPH-GRO	ug/L	ND	500	09/25/20 11:51	
1,2-Dichloroethane-d4 (S)	%	101	86-117	09/25/20 11:51	
4-Bromofluorobenzene (S)	%	100	80-120	09/25/20 11:51	
Toluene-d8 (S)	%	99	80-120	09/25/20 11:51	

LABORATORY CONTROL SAMPLE: 2745227

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
TPH-GRO	ug/L	4000	4140	103	55-125	
1,2-Dichloroethane-d4 (S)	%			99	86-117	
4-Bromofluorobenzene (S)	%			99	80-120	
Toluene-d8 (S)	%			99	80-120	

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QUALITY CONTROL DATA

Project: PINE LAWN

Pace Project No.: 60348944

QC Batch: 678414

Analysis Method: EPA 8260

QC Batch Method: EPA 5035

Analysis Description: 8260 MSV GRO and Oxygenates

Laboratory: Pace Analytical Services - Kansas City

Associated Lab Samples: 60348944001, 60348944002, 60348944003, 60348944004, 60348944005, 60348944007

METHOD BLANK: 2743160

Matrix: Solid

Associated Lab Samples: 60348944001, 60348944002, 60348944003, 60348944004, 60348944005, 60348944007

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
TPH-GRO	mg/kg	ND	0.50	09/23/20 12:03	
1,2-Dichloroethane-d4 (S)	%	98	80-123	09/23/20 12:03	
4-Bromofluorobenzene (S)	%	100	69-133	09/23/20 12:03	
Toluene-d8 (S)	%	103	78-122	09/23/20 12:03	

LABORATORY CONTROL SAMPLE: 2743161

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
TPH-GRO	mg/kg	4	3.2	80	61-140	
1,2-Dichloroethane-d4 (S)	%			98	80-123	
4-Bromofluorobenzene (S)	%			101	69-133	
Toluene-d8 (S)	%			102	78-122	

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QUALITY CONTROL DATA

Project: PINE LAWN
Pace Project No.: 60348944

QC Batch: 679537 Analysis Method: EPA 8082
QC Batch Method: EPA 3546 Analysis Description: 8082 GCS PCB
Laboratory: Pace Analytical Services - Kansas City
Associated Lab Samples: 60348944001, 60348944002, 60348944003, 60348944004, 60348944005, 60348944007

METHOD BLANK: 2747540 Matrix: Solid
Associated Lab Samples: 60348944001, 60348944002, 60348944003, 60348944004, 60348944005, 60348944007

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
PCB-1016 (Aroclor 1016)	ug/kg	ND	32.6	10/01/20 15:18	
PCB-1221 (Aroclor 1221)	ug/kg	ND	32.6	10/01/20 15:18	
PCB-1232 (Aroclor 1232)	ug/kg	ND	32.6	10/01/20 15:18	
PCB-1242 (Aroclor 1242)	ug/kg	ND	32.6	10/01/20 15:18	
PCB-1248 (Aroclor 1248)	ug/kg	ND	32.6	10/01/20 15:18	
PCB-1254 (Aroclor 1254)	ug/kg	ND	32.6	10/01/20 15:18	
PCB-1260 (Aroclor 1260)	ug/kg	ND	32.6	10/01/20 15:18	
Decachlorobiphenyl (S)	%	89	28-143	10/01/20 15:18	

LABORATORY CONTROL SAMPLE: 2747541

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
PCB-1016 (Aroclor 1016)	ug/kg	164	148	91	61-130	
PCB-1260 (Aroclor 1260)	ug/kg	164	152	93	56-128	
Decachlorobiphenyl (S)	%			87	28-143	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2747542 2747543

Parameter	Units	60348944003 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	ND	177	185	144	156	82	84	38-131	8	38	
PCB-1260 (Aroclor 1260)	ug/kg	ND	177	185	177	184	100	99	30-141	4	40	
Decachlorobiphenyl (S)	%						87	86	28-143			

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: PINE LAWN

Pace Project No.: 60348944

QC Batch: 678318

QC Batch Method: EPA 3510

Analysis Method: EPA 8082

Analysis Description: 8082 GCS PCB, LV

Laboratory: Pace Analytical Services - Kansas City

Associated Lab Samples: 60348944008

METHOD BLANK: 2742801

Matrix: Water

Associated Lab Samples: 60348944008

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
PCB-1016 (Aroclor 1016)	ug/L	ND	1.0	09/24/20 12:03	
PCB-1221 (Aroclor 1221)	ug/L	ND	1.0	09/24/20 12:03	
PCB-1232 (Aroclor 1232)	ug/L	ND	1.0	09/24/20 12:03	
PCB-1242 (Aroclor 1242)	ug/L	ND	1.0	09/24/20 12:03	
PCB-1248 (Aroclor 1248)	ug/L	ND	1.0	09/24/20 12:03	
PCB-1254 (Aroclor 1254)	ug/L	ND	1.0	09/24/20 12:03	
PCB-1260 (Aroclor 1260)	ug/L	ND	1.0	09/24/20 12:03	
Decachlorobiphenyl (S)	%	84	30-136	09/24/20 12:03	

LABORATORY CONTROL SAMPLE: 2742802

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
PCB-1016 (Aroclor 1016)	ug/L	5	3.8	76	66-125	
PCB-1260 (Aroclor 1260)	ug/L	5	4.7	93	64-123	
Decachlorobiphenyl (S)	%			88	30-136	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: PINE LAWN
Pace Project No.: 60348944

QC Batch: 678954 Analysis Method: EPA 8270
QC Batch Method: EPA 3546 Analysis Description: 8270 Solid MSSV Microwave
Laboratory: Pace Analytical Services - Kansas City
Associated Lab Samples: 60348944001, 60348944002, 60348944003, 60348944004, 60348944005, 60348944007

METHOD BLANK: 2745191 Matrix: Solid
Associated Lab Samples: 60348944001, 60348944002, 60348944003, 60348944004, 60348944005, 60348944007

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,2,4-Trichlorobenzene	ug/kg	ND	327	09/29/20 12:55	
1,2-Dichlorobenzene	ug/kg	ND	327	09/29/20 12:55	
1,3-Dichlorobenzene	ug/kg	ND	327	09/29/20 12:55	
1,4-Dichlorobenzene	ug/kg	ND	327	09/29/20 12:55	
2,4,5-Trichlorophenol	ug/kg	ND	327	09/29/20 12:55	
2,4,6-Trichlorophenol	ug/kg	ND	327	09/29/20 12:55	
2,4-Dichlorophenol	ug/kg	ND	327	09/29/20 12:55	
2,4-Dimethylphenol	ug/kg	ND	327	09/29/20 12:55	
2,4-Dinitrophenol	ug/kg	ND	1660	09/29/20 12:55	
2,4-Dinitrotoluene	ug/kg	ND	327	09/29/20 12:55	
2,6-Dinitrotoluene	ug/kg	ND	327	09/29/20 12:55	
2-Chloronaphthalene	ug/kg	ND	327	09/29/20 12:55	
2-Chlorophenol	ug/kg	ND	327	09/29/20 12:55	
2-Methylnaphthalene	ug/kg	ND	327	09/29/20 12:55	
2-Methylphenol(o-Cresol)	ug/kg	ND	327	09/29/20 12:55	
2-Nitroaniline	ug/kg	ND	654	09/29/20 12:55	
2-Nitrophenol	ug/kg	ND	327	09/29/20 12:55	
3&4-Methylphenol(m&p Cresol)	ug/kg	ND	327	09/29/20 12:55	
3,3'-Dichlorobenzidine	ug/kg	ND	654	09/29/20 12:55	
3-Nitroaniline	ug/kg	ND	654	09/29/20 12:55	
4,6-Dinitro-2-methylphenol	ug/kg	ND	1660	09/29/20 12:55	
4-Bromophenylphenyl ether	ug/kg	ND	327	09/29/20 12:55	
4-Chloro-3-methylphenol	ug/kg	ND	654	09/29/20 12:55	
4-Chloroaniline	ug/kg	ND	654	09/29/20 12:55	
4-Chlorophenylphenyl ether	ug/kg	ND	327	09/29/20 12:55	
4-Nitroaniline	ug/kg	ND	654	09/29/20 12:55	
4-Nitrophenol	ug/kg	ND	1660	09/29/20 12:55	
Acenaphthene	ug/kg	ND	327	09/29/20 12:55	
Acenaphthylene	ug/kg	ND	327	09/29/20 12:55	
Anthracene	ug/kg	ND	327	09/29/20 12:55	
Benzo(a)anthracene	ug/kg	ND	327	09/29/20 12:55	
Benzo(a)pyrene	ug/kg	ND	327	09/29/20 12:55	
Benzo(b)fluoranthene	ug/kg	ND	327	09/29/20 12:55	
Benzo(g,h,i)perylene	ug/kg	ND	327	09/29/20 12:55	
Benzo(k)fluoranthene	ug/kg	ND	327	09/29/20 12:55	
Benzoic Acid	ug/kg	ND	1660	09/29/20 12:55	
Benzyl alcohol	ug/kg	ND	654	09/29/20 12:55	
bis(2-Chloroethoxy)methane	ug/kg	ND	327	09/29/20 12:55	
bis(2-Chloroethyl) ether	ug/kg	ND	327	09/29/20 12:55	
bis(2-Chloroisopropyl) ether	ug/kg	ND	327	09/29/20 12:55	

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QUALITY CONTROL DATA

Project: PINE LAWN

Pace Project No.: 60348944

METHOD BLANK: 2745191

Matrix: Solid

Associated Lab Samples: 60348944001, 60348944002, 60348944003, 60348944004, 60348944005, 60348944007

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
bis(2-Ethylhexyl)phthalate	ug/kg	ND	327	09/29/20 12:55	
Butylbenzylphthalate	ug/kg	ND	327	09/29/20 12:55	
Carbazole	ug/kg	ND	327	09/29/20 12:55	
Chrysene	ug/kg	ND	327	09/29/20 12:55	
Di-n-butylphthalate	ug/kg	ND	327	09/29/20 12:55	
Di-n-octylphthalate	ug/kg	ND	327	09/29/20 12:55	
Dibenz(a,h)anthracene	ug/kg	ND	327	09/29/20 12:55	
Dibenzofuran	ug/kg	ND	327	09/29/20 12:55	
Diethylphthalate	ug/kg	ND	327	09/29/20 12:55	
Dimethylphthalate	ug/kg	ND	327	09/29/20 12:55	
Fluoranthene	ug/kg	ND	327	09/29/20 12:55	
Fluorene	ug/kg	ND	327	09/29/20 12:55	
Hexachloro-1,3-butadiene	ug/kg	ND	327	09/29/20 12:55	
Hexachlorobenzene	ug/kg	ND	327	09/29/20 12:55	
Hexachlorocyclopentadiene	ug/kg	ND	327	09/29/20 12:55	
Hexachloroethane	ug/kg	ND	327	09/29/20 12:55	
Indeno(1,2,3-cd)pyrene	ug/kg	ND	327	09/29/20 12:55	
Isophorone	ug/kg	ND	327	09/29/20 12:55	
N-Nitroso-di-n-propylamine	ug/kg	ND	327	09/29/20 12:55	
N-Nitrosodiphenylamine	ug/kg	ND	327	09/29/20 12:55	
Naphthalene	ug/kg	ND	327	09/29/20 12:55	
Nitrobenzene	ug/kg	ND	327	09/29/20 12:55	
Pentachlorophenol	ug/kg	ND	1660	09/29/20 12:55	
Phenanthrene	ug/kg	ND	327	09/29/20 12:55	
Phenol	ug/kg	ND	327	09/29/20 12:55	
Pyrene	ug/kg	ND	327	09/29/20 12:55	
Pyridine	ug/kg	ND	327	09/29/20 12:55	
2,4,6-Tribromophenol (S)	%	78	41-108	09/29/20 12:55	
2-Fluorobiphenyl (S)	%	90	39-136	09/29/20 12:55	
2-Fluorophenol (S)	%	77	43-96	09/29/20 12:55	
Nitrobenzene-d5 (S)	%	86	33-132	09/29/20 12:55	
Phenol-d6 (S)	%	81	43-95	09/29/20 12:55	
Terphenyl-d14 (S)	%	93	29-131	09/29/20 12:55	

LABORATORY CONTROL SAMPLE: 2745192

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2,4-Trichlorobenzene	ug/kg	1590	1270	80	52-104	
1,2-Dichlorobenzene	ug/kg	1590	1220	77	51-99	
1,3-Dichlorobenzene	ug/kg	1590	1200	75	48-102	
1,4-Dichlorobenzene	ug/kg	1590	1220	77	49-101	
2,4,5-Trichlorophenol	ug/kg	1590	1420	89	58-109	
2,4,6-Trichlorophenol	ug/kg	1590	1380	87	56-109	
2,4-Dichlorophenol	ug/kg	1590	1290	81	54-106	

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QUALITY CONTROL DATA

Project: PINE LAWN

Pace Project No.: 60348944

LABORATORY CONTROL SAMPLE: 2745192

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
2,4-Dimethylphenol	ug/kg	1590	941	59	49-104	
2,4-Dinitrophenol	ug/kg	1590	1060J	67	26-119	
2,4-Dinitrotoluene	ug/kg	1590	1390	88	60-109	
2,6-Dinitrotoluene	ug/kg	1590	1380	87	59-109	
2-Chloronaphthalene	ug/kg	1590	1330	84	56-104	
2-Chlorophenol	ug/kg	1590	1260	80	56-98	
2-Methylnaphthalene	ug/kg	1590	1340	84	53-103	
2-Methylphenol(o-Cresol)	ug/kg	1590	1240	78	52-102	
2-Nitroaniline	ug/kg	1590	1350	85	54-113	
2-Nitrophenol	ug/kg	1590	1260	79	51-111	
3&4-Methylphenol(m&p Cresol)	ug/kg	1590	1190	75	52-102	
3,3'-Dichlorobenzidine	ug/kg	1590	625J	39	19-126	
3-Nitroaniline	ug/kg	1590	792	50	31-122	
4,6-Dinitro-2-methylphenol	ug/kg	1590	1100J	69	37-117	
4-Bromophenylphenyl ether	ug/kg	1590	1330	84	60-106	
4-Chloro-3-methylphenol	ug/kg	1590	1350	85	55-107	
4-Chloroaniline	ug/kg	1590	472J	30	10-116	
4-Chlorophenylphenyl ether	ug/kg	1590	1350	85	56-107	
4-Nitroaniline	ug/kg	1590	1180	75	52-113	
4-Nitrophenol	ug/kg	1590	1380J	87	53-114	
Acenaphthene	ug/kg	1590	1400	88	55-105	
Acenaphthylene	ug/kg	1590	1440	90	57-105	
Anthracene	ug/kg	1590	1310	83	59-106	
Benzo(a)anthracene	ug/kg	1590	1350	85	59-109	
Benzo(a)pyrene	ug/kg	1590	1310	83	59-109	
Benzo(b)fluoranthene	ug/kg	1590	1360	85	56-112	
Benzo(g,h,i)perylene	ug/kg	1590	1360	86	57-109	
Benzo(k)fluoranthene	ug/kg	1590	1380	87	57-107	
Benzoic Acid	ug/kg	1590	1960	123	10-96	L1
Benzyl alcohol	ug/kg	1590	1260	79	56-103	
bis(2-Chloroethoxy)methane	ug/kg	1590	1260	80	52-102	
bis(2-Chloroethyl) ether	ug/kg	1590	1240	78	51-100	
bis(2-Chloroisopropyl) ether	ug/kg	1590	1260	80	47-101	
bis(2-Ethylhexyl)phthalate	ug/kg	1590	1400	88	61-113	
Butylbenzylphthalate	ug/kg	1590	1360	85	62-110	
Carbazole	ug/kg	1590	1350	85	60-106	
Chrysene	ug/kg	1590	1390	88	58-108	
Di-n-butylphthalate	ug/kg	1590	1370	86	61-110	
Di-n-octylphthalate	ug/kg	1590	1450	91	58-114	
Dibenz(a,h)anthracene	ug/kg	1590	1420	90	57-109	
Dibenzofuran	ug/kg	1590	1390	87	56-106	
Diethylphthalate	ug/kg	1590	1370	86	57-107	
Dimethylphthalate	ug/kg	1590	1380	87	55-106	
Fluoranthene	ug/kg	1590	1310	82	60-109	
Fluorene	ug/kg	1590	1350	85	56-107	
Hexachloro-1,3-butadiene	ug/kg	1590	1300	82	50-106	
Hexachlorobenzene	ug/kg	1590	1290	81	56-107	

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QUALITY CONTROL DATA

Project: PINE LAWN

Pace Project No.: 60348944

LABORATORY CONTROL SAMPLE: 2745192

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Hexachlorocyclopentadiene	ug/kg	1590	1290	81	18-118	
Hexachloroethane	ug/kg	1590	1160	73	49-101	
Indeno(1,2,3-cd)pyrene	ug/kg	1590	1410	89	58-108	
Isophorone	ug/kg	1590	1300	82	53-99	
N-Nitroso-di-n-propylamine	ug/kg	1590	1200	76	50-101	
N-Nitrosodiphenylamine	ug/kg	1590	1340	84	58-107	
Naphthalene	ug/kg	1590	1280	80	51-103	
Nitrobenzene	ug/kg	1590	1290	81	51-104	
Pentachlorophenol	ug/kg	1590	887J	56	43-123	
Phenanthrene	ug/kg	1590	1340	84	58-106	
Phenol	ug/kg	1590	1260	79	53-101	
Pyrene	ug/kg	1590	1390	88	60-108	
Pyridine	ug/kg	1590	802	51	33-72	
2,4,6-Tribromophenol (S)	%			83	41-108	
2-Fluorobiphenyl (S)	%			87	39-136	
2-Fluorophenol (S)	%			75	43-96	
Nitrobenzene-d5 (S)	%			83	33-132	
Phenol-d6 (S)	%			75	43-95	
Terphenyl-d14 (S)	%			90	29-131	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2745193 2745194

Parameter	Units	60348880001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,2,4-Trichlorobenzene	ug/kg	ND	2040	2000	1550	1600	76	80	42-102	3	26	
1,2-Dichlorobenzene	ug/kg	ND	2040	2000	1560	1540	77	77	45-96	1	31	
1,3-Dichlorobenzene	ug/kg	ND	2040	2000	1490	1510	73	75	44-95	1	31	
1,4-Dichlorobenzene	ug/kg	ND	2040	2000	1510	1520	74	76	45-95	1	30	
2,4,5-Trichlorophenol	ug/kg	ND	2040	2000	1650	1720	81	86	47-109	4	31	
2,4,6-Trichlorophenol	ug/kg	ND	2040	2000	1670	1720	82	86	14-133	3	31	
2,4-Dichlorophenol	ug/kg	ND	2040	2000	1630	1670	80	83	36-111	2	29	
2,4-Dimethylphenol	ug/kg	ND	2040	2000	1670	1700	82	85	22-113	2	32	
2,4-Dinitrophenol	ug/kg	ND	2040	2000	745J	842J	37	42	10-116		35	
2,4-Dinitrotoluene	ug/kg	ND	2040	2000	1620	1720	80	86	10-133	6	32	
2,6-Dinitrotoluene	ug/kg	ND	2040	2000	1650	1730	81	86	17-125	4	25	
2-Chloronaphthalene	ug/kg	ND	2040	2000	1620	1690	80	85	47-105	4	28	
2-Chlorophenol	ug/kg	ND	2040	2000	1600	1650	78	83	44-100	3	31	
2-Methylnaphthalene	ug/kg	ND	2040	2000	1640	1680	81	84	43-104	2	28	
2-Methylphenol(o-Cresol)	ug/kg	ND	2040	2000	1620	1610	80	80	37-105	1	32	
2-Nitroaniline	ug/kg	ND	2040	2000	1720	1740	84	87	44-117	1	28	
2-Nitrophenol	ug/kg	ND	2040	2000	1620	1670	80	83	10-145	3	30	
3&4-Methylphenol(m&p Cresol)	ug/kg	ND	2040	2000	1640	1620	81	81	35-108	1	30	
3,3'-Dichlorobenzidine	ug/kg	ND	2040	2000	287J	525J	14	26	10-133		39	
3-Nitroaniline	ug/kg	ND	2040	2000	1340	1440	66	72	10-124	7	27	

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QUALITY CONTROL DATA

Project: PINE LAWN

Pace Project No.: 60348944

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2745193 2745194											
Parameter	Units	60348880001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	Max RPD	Qual
4,6-Dinitro-2-methylphenol	ug/kg	ND	2040	2000	1240J	1310J	61	65	10-123	30	
4-Bromophenylphenyl ether	ug/kg	ND	2040	2000	1750	1740	86	87	47-109	0	33
4-Chloro-3-methylphenol	ug/kg	ND	2040	2000	1700	1700	83	85	42-109	0	30
4-Chloroaniline	ug/kg	ND	2040	2000	826	815	41	41	10-94	1	33
4-Chlorophenylphenyl ether	ug/kg	ND	2040	2000	1640	1680	81	84	46-106	3	33
4-Nitroaniline	ug/kg	ND	2040	2000	1140	1220	56	61	11-126	7	47
4-Nitrophenol	ug/kg	ND	2040	2000	1640J	1820J	81	91	18-130		35
Acenaphthene	ug/kg	ND	2040	2000	1690	1730	83	87	44-104	3	23
Acenaphthylene	ug/kg	ND	2040	2000	1710	1800	84	90	47-102	5	29
Anthracene	ug/kg	ND	2040	2000	1710	1740	84	87	39-112	1	30
Benzo(a)anthracene	ug/kg	ND	2040	2000	1700	1710	83	85	10-139	0	32
Benzo(a)pyrene	ug/kg	ND	2040	2000	1640	1710	80	85	12-132	4	33
Benzo(b)fluoranthene	ug/kg	ND	2040	2000	1590	1720	78	86	12-136	8	37
Benzo(g,h,i)perylene	ug/kg	ND	2040	2000	1490	1710	73	85	22-119	14	41
Benzo(k)fluoranthene	ug/kg	ND	2040	2000	1700	1750	83	87	32-113	3	32
Benzoic Acid	ug/kg	ND	2040	2000	1470J	1440J	72	72	10-101		35
Benzyl alcohol	ug/kg	ND	2040	2000	1610	1630	79	81	46-103	1	31
bis(2-Chloroethoxy)methane	ug/kg	ND	2040	2000	1590	1630	78	81	41-100	2	29
bis(2-Chloroethyl) ether	ug/kg	ND	2040	2000	1590	1620	78	81	46-100	2	32
bis(2-Chloroisopropyl) ether	ug/kg	ND	2040	2000	1630	1560	80	78	40-99	4	29
bis(2-Ethylhexyl)phthalate	ug/kg	ND	2040	2000	1740	1800	85	90	24-141	3	33
Butylbenzylphthalate	ug/kg	ND	2040	2000	1730	1730	85	87	41-131	0	33
Carbazole	ug/kg	ND	2040	2000	1700	1690	84	85	41-107	0	30
Chrysene	ug/kg	ND	2040	2000	1730	1740	85	87	10-137	1	31
Di-n-butylphthalate	ug/kg	ND	2040	2000	1760	1800	87	90	41-118	2	31
Di-n-octylphthalate	ug/kg	ND	2040	2000	1740	1840	85	92	40-138	6	29
Dibenz(a,h)anthracene	ug/kg	ND	2040	2000	1510	1740	74	87	23-122	14	35
Dibenzofuran	ug/kg	ND	2040	2000	1640	1710	81	85	49-101	4	28
Diethylphthalate	ug/kg	ND	2040	2000	1680	1710	82	85	42-107	2	31
Dimethylphthalate	ug/kg	ND	2040	2000	1660	1710	82	86	37-108	3	30
Fluoranthene	ug/kg	ND	2040	2000	1770	1710	87	85	10-139	3	32
Fluorene	ug/kg	ND	2040	2000	1610	1700	79	85	43-108	6	32
Hexachloro-1,3-butadiene	ug/kg	ND	2040	2000	1600	1620	79	81	41-104	2	27
Hexachlorobenzene	ug/kg	ND	2040	2000	1760	1740	87	87	46-105	1	31
Hexachlorocyclopentadiene	ug/kg	ND	2040	2000	1090	1210	54	60	10-111	10	61
Hexachloroethane	ug/kg	ND	2040	2000	1530	1520	75	76	11-119	0	34
Indeno(1,2,3-cd)pyrene	ug/kg	ND	2040	2000	1480	1750	72	87	21-120	17	38
Isophorone	ug/kg	ND	2040	2000	1630	1650	80	82	44-97	1	28
N-Nitroso-di-n-propylamine	ug/kg	ND	2040	2000	1610	1590	79	79	37-108	2	30
N-Nitrosodiphenylamine	ug/kg	ND	2040	2000	1520	1650	75	82	41-108	8	36
Naphthalene	ug/kg	ND	2040	2000	1600	1600	78	80	40-105	0	31
Nitrobenzene	ug/kg	ND	2040	2000	1640	1630	80	82	35-106	0	29
Pentachlorophenol	ug/kg	ND	2040	2000	1570J	1590J	77	80	10-144		35
Phenanthrene	ug/kg	ND	2040	2000	1690	1740	83	86	43-108	3	29
Phenol	ug/kg	ND	2040	2000	1610	1630	79	81	38-102	1	29

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: PINE LAWN

Pace Project No.: 60348944

MATRIX SPIKE & MATRIX SPIKE DUPLICATE:											
2745193				2745194							
		60348880001	MS	MSD							
Parameter	Units	Result	Spike Conc.	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD
Qual											
Pyrene	ug/kg	ND	2040	2000	1780	1730	87	86	10-147	3	38
Pyridine	ug/kg	ND	2040	2000	893	910	44	46	10-79	2	35
2,4,6-Tribromophenol (S)	%						79	84	41-108		
2-Fluorobiphenyl (S)	%						81	83	39-136		
2-Fluorophenol (S)	%						73	75	43-96		
Nitrobenzene-d5 (S)	%						83	82	33-132		
Phenol-d6 (S)	%						74	74	43-95		
Terphenyl-d14 (S)	%						90	87	29-131		

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QUALITY CONTROL DATA

Project: PINE LAWN
Pace Project No.: 60348944

QC Batch: 678956 Analysis Method: EPA 8270
QC Batch Method: EPA 3546 Analysis Description: 8270 MSSV TPH ORO
Laboratory: Pace Analytical Services - Kansas City
Associated Lab Samples: 60348944001, 60348944002, 60348944003, 60348944004, 60348944005, 60348944007

METHOD BLANK: 2745200 Matrix: Solid
Associated Lab Samples: 60348944001, 60348944002, 60348944003, 60348944004, 60348944005, 60348944007

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
TPH-DRO	mg/kg	ND	14.9	09/28/20 22:14	
TPH-ORO	mg/kg	ND	14.9	09/28/20 22:14	
2-Fluorobiphenyl (S)	%	88	39-136	09/28/20 22:14	
Nitrobenzene-d5 (S)	%	79	33-132	09/28/20 22:14	
Terphenyl-d14 (S)	%	88	29-131	09/28/20 22:14	

LABORATORY CONTROL SAMPLE: 2745201

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
TPH-DRO	mg/kg	328	249	76	39-122	
TPH-ORO	mg/kg		12.7J			
2-Fluorobiphenyl (S)	%			87	39-136	
Nitrobenzene-d5 (S)	%			82	33-132	
Terphenyl-d14 (S)	%			86	29-131	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2745202 2745203

Parameter	Units	60348880002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
TPH-DRO	mg/kg	ND	424	406	313	312	74	77	12-137	0	38	
TPH-ORO	mg/kg	ND			17.9J	19.8					51	
2-Fluorobiphenyl (S)	%						80	83	39-136			
Nitrobenzene-d5 (S)	%						76	81	33-132			
Terphenyl-d14 (S)	%						78	82	29-131			

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QUALITY CONTROL DATA

Project: PINE LAWN

Pace Project No.: 60348944

QC Batch: 678835

Analysis Method: EPA 8270

QC Batch Method: EPA 3510C

Analysis Description: 8270 MSSV TPH ORO

Laboratory: Pace Analytical Services - Kansas City

Associated Lab Samples: 60348944008

METHOD BLANK: 2744639

Matrix: Water

Associated Lab Samples: 60348944008

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
TPH-DRO	mg/L	ND	1.0	09/28/20 21:15	
TPH-ORO	mg/L	ND	1.0	09/28/20 21:15	
2-Fluorobiphenyl (S)	%	50	29-108	09/28/20 21:15	
Nitrobenzene-d5 (S)	%	49	27-106	09/28/20 21:15	
Terphenyl-d14 (S)	%	43	34-129	09/28/20 21:15	

LABORATORY CONTROL SAMPLE: 2744640

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
TPH-DRO	mg/L	100	43.2	43	33-130	
2-Fluorobiphenyl (S)	%			49	29-108	
Nitrobenzene-d5 (S)	%			47	27-106	
Terphenyl-d14 (S)	%			46	34-129	

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QUALITY CONTROL DATA

Project: PINE LAWN

Pace Project No.: 60348944

QC Batch: 678083

Analysis Method: EPA 8270

QC Batch Method: EPA 3510

Analysis Description: 8270 Water MSSV, LV

Laboratory: Pace Analytical Services - Kansas City

Associated Lab Samples: 60348944008

METHOD BLANK: 2742155

Matrix: Water

Associated Lab Samples: 60348944008

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,2,4-Trichlorobenzene	ug/L	ND	10.0	09/24/20 16:50	
1,2-Dichlorobenzene	ug/L	ND	10.0	09/24/20 16:50	
1,3-Dichlorobenzene	ug/L	ND	10.0	09/24/20 16:50	
1,4-Dichlorobenzene	ug/L	ND	10.0	09/24/20 16:50	
2,4,5-Trichlorophenol	ug/L	ND	50.0	09/24/20 16:50	
2,4,6-Trichlorophenol	ug/L	ND	10.0	09/24/20 16:50	
2,4-Dichlorophenol	ug/L	ND	10.0	09/24/20 16:50	
2,4-Dimethylphenol	ug/L	ND	10.0	09/24/20 16:50	
2,4-Dinitrophenol	ug/L	ND	50.0	09/24/20 16:50	
2,4-Dinitrotoluene	ug/L	ND	10.0	09/24/20 16:50	
2,6-Dinitrotoluene	ug/L	ND	10.0	09/24/20 16:50	
2-Chloronaphthalene	ug/L	ND	10.0	09/24/20 16:50	
2-Chlorophenol	ug/L	ND	10.0	09/24/20 16:50	
2-Methylnaphthalene	ug/L	ND	10.0	09/24/20 16:50	
2-Methylphenol(o-Cresol)	ug/L	ND	10.0	09/24/20 16:50	
2-Nitroaniline	ug/L	ND	50.0	09/24/20 16:50	
2-Nitrophenol	ug/L	ND	10.0	09/24/20 16:50	
3&4-Methylphenol(m&p Cresol)	ug/L	ND	10.0	09/24/20 16:50	
3,3'-Dichlorobenzidine	ug/L	ND	20.0	09/24/20 16:50	
3-Nitroaniline	ug/L	ND	50.0	09/24/20 16:50	
4,6-Dinitro-2-methylphenol	ug/L	ND	50.0	09/24/20 16:50	
4-Bromophenylphenyl ether	ug/L	ND	10.0	09/24/20 16:50	
4-Chloro-3-methylphenol	ug/L	ND	20.0	09/24/20 16:50	
4-Chloroaniline	ug/L	ND	20.0	09/24/20 16:50	
4-Chlorophenylphenyl ether	ug/L	ND	10.0	09/24/20 16:50	
4-Nitroaniline	ug/L	ND	50.0	09/24/20 16:50	
4-Nitrophenol	ug/L	ND	50.0	09/24/20 16:50	
Acenaphthene	ug/L	ND	10.0	09/24/20 16:50	
Acenaphthylene	ug/L	ND	10.0	09/24/20 16:50	
Anthracene	ug/L	ND	10.0	09/24/20 16:50	
Benzo(a)anthracene	ug/L	ND	10.0	09/24/20 16:50	
Benzo(a)pyrene	ug/L	ND	10.0	09/24/20 16:50	
Benzo(b)fluoranthene	ug/L	ND	10.0	09/24/20 16:50	
Benzo(g,h,i)perylene	ug/L	ND	10.0	09/24/20 16:50	
Benzo(k)fluoranthene	ug/L	ND	10.0	09/24/20 16:50	
Benzoic Acid	ug/L	ND	50.0	09/24/20 16:50	
Benzyl alcohol	ug/L	ND	20.0	09/24/20 16:50	
bis(2-Chloroethoxy)methane	ug/L	ND	10.0	09/24/20 16:50	
bis(2-Chloroethyl) ether	ug/L	ND	10.0	09/24/20 16:50	
bis(2-Chloroisopropyl) ether	ug/L	ND	10.0	09/24/20 16:50	

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QUALITY CONTROL DATA

Project: PINE LAWN

Pace Project No.: 60348944

METHOD BLANK: 2742155

Matrix: Water

Associated Lab Samples: 60348944008

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
bis(2-Ethylhexyl)phthalate	ug/L	ND	20.0	09/24/20 16:50	
Butylbenzylphthalate	ug/L	ND	20.0	09/24/20 16:50	
Carbazole	ug/L	ND	10.0	09/24/20 16:50	
Chrysene	ug/L	ND	10.0	09/24/20 16:50	
Di-n-butylphthalate	ug/L	ND	10.0	09/24/20 16:50	
Di-n-octylphthalate	ug/L	ND	10.0	09/24/20 16:50	
Dibenz(a,h)anthracene	ug/L	ND	10.0	09/24/20 16:50	
Dibenzofuran	ug/L	ND	10.0	09/24/20 16:50	
Diethylphthalate	ug/L	ND	10.0	09/24/20 16:50	
Dimethylphthalate	ug/L	ND	10.0	09/24/20 16:50	
Fluoranthene	ug/L	ND	10.0	09/24/20 16:50	
Fluorene	ug/L	ND	10.0	09/24/20 16:50	
Hexachloro-1,3-butadiene	ug/L	ND	10.0	09/24/20 16:50	
Hexachlorobenzene	ug/L	ND	10.0	09/24/20 16:50	
Hexachlorocyclopentadiene	ug/L	ND	10.0	09/24/20 16:50	
Hexachloroethane	ug/L	ND	10.0	09/24/20 16:50	
Indeno(1,2,3-cd)pyrene	ug/L	ND	10.0	09/24/20 16:50	
Isophorone	ug/L	ND	10.0	09/24/20 16:50	
N-Nitroso-di-n-propylamine	ug/L	ND	10.0	09/24/20 16:50	
N-Nitrosodiphenylamine	ug/L	ND	10.0	09/24/20 16:50	
Naphthalene	ug/L	ND	10.0	09/24/20 16:50	
Nitrobenzene	ug/L	ND	10.0	09/24/20 16:50	
Pentachlorophenol	ug/L	ND	50.0	09/24/20 16:50	
Phenanthrene	ug/L	ND	10.0	09/24/20 16:50	
Phenol	ug/L	ND	10.0	09/24/20 16:50	
Pyrene	ug/L	ND	10.0	09/24/20 16:50	
Pyridine	ug/L	ND	10.0	09/24/20 16:50	
2,4,6-Tribromophenol (S)	%	75	16-114	09/24/20 16:50	
2-Fluorobiphenyl (S)	%	61	29-108	09/24/20 16:50	
2-Fluorophenol (S)	%	45	11-64	09/24/20 16:50	
Nitrobenzene-d5 (S)	%	74	27-106	09/24/20 16:50	
Phenol-d6 (S)	%	28	10-44	09/24/20 16:50	
Terphenyl-d14 (S)	%	94	34-129	09/24/20 16:50	

LABORATORY CONTROL SAMPLE: 2742156

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2,4-Trichlorobenzene	ug/L	50	18.9	38	22-109	
1,2-Dichlorobenzene	ug/L	50	19.0	38	18-107	
1,3-Dichlorobenzene	ug/L	50	17.7	35	16-105	
1,4-Dichlorobenzene	ug/L	50	18.1	36	17-105	
2,4,5-Trichlorophenol	ug/L	50	36.1J	72	25-126	
2,4,6-Trichlorophenol	ug/L	50	35.6	71	23-124	
2,4-Dichlorophenol	ug/L	50	35.8	72	26-116	

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QUALITY CONTROL DATA

Project: PINE LAWN

Pace Project No.: 60348944

LABORATORY CONTROL SAMPLE: 2742156

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
2,4-Dimethylphenol	ug/L	50	37.9	76	36-98	
2,4-Dinitrophenol	ug/L	50	35.9J	72	11-138	
2,4-Dinitrotoluene	ug/L	50	38.4	77	30-127	
2,6-Dinitrotoluene	ug/L	50	37.4	75	30-125	
2-Chloronaphthalene	ug/L	50	24.5	49	28-115	
2-Chlorophenol	ug/L	50	34.3	69	25-107	
2-Methylnaphthalene	ug/L	50	23.6	47	25-112	
2-Methylphenol(o-Cresol)	ug/L	50	31.2	62	30-94	
2-Nitroaniline	ug/L	50	36.3J	73	29-126	
2-Nitrophenol	ug/L	50	34.9	70	26-122	
3&4-Methylphenol(m&p Cresol)	ug/L	50	28.1	56	26-89	
3,3'-Dichlorobenzidine	ug/L	50	42.4	85	24-140	
3-Nitroaniline	ug/L	50	36.9J	74	30-139	
4,6-Dinitro-2-methylphenol	ug/L	50	35J	70	21-135	
4-Bromophenylphenyl ether	ug/L	50	34.3	69	30-121	
4-Chloro-3-methylphenol	ug/L	50	36.8	74	28-117	
4-Chloroaniline	ug/L	50	36.9	74	22-136	
4-Chlorophenylphenyl ether	ug/L	50	32.9	66	30-119	
4-Nitroaniline	ug/L	50	39.6J	79	31-129	
4-Nitrophenol	ug/L	50	15.9J	32	10-64	
Acenaphthene	ug/L	50	30.9	62	29-117	
Acenaphthylene	ug/L	50	32.1	64	27-119	
Anthracene	ug/L	50	37.8	76	27-124	
Benzo(a)anthracene	ug/L	50	41.9	84	30-124	
Benzo(a)pyrene	ug/L	50	40.4	81	29-123	
Benzo(b)fluoranthene	ug/L	50	43.8	88	29-127	
Benzo(g,h,i)perylene	ug/L	50	42.7	85	30-124	
Benzo(k)fluoranthene	ug/L	50	39.3	79	29-125	
Benzoic Acid	ug/L	50	11.1J	22	10-71	
Benzyl alcohol	ug/L	50	34.7	69	23-105	
bis(2-Chloroethoxy)methane	ug/L	50	35.5	71	29-115	
bis(2-Chloroethyl) ether	ug/L	50	34.6	69	28-114	
bis(2-Chloroisopropyl) ether	ug/L	50	32.1	64	27-114	
bis(2-Ethylhexyl)phthalate	ug/L	50	42.9	86	35-128	
Butylbenzylphthalate	ug/L	50	43.7	87	28-114	
Carbazole	ug/L	50	40.2	80	31-124	
Chrysene	ug/L	50	41.8	84	31-124	
Di-n-butylphthalate	ug/L	50	41.4	83	29-130	
Di-n-octylphthalate	ug/L	50	43.6	87	27-135	
Dibenz(a,h)anthracene	ug/L	50	42.1	84	30-125	
Dibenzofuran	ug/L	50	31.5	63	30-118	
Diethylphthalate	ug/L	50	39.3	79	30-123	
Dimethylphthalate	ug/L	50	37.8	76	29-121	
Fluoranthene	ug/L	50	40.2	80	31-126	
Fluorene	ug/L	50	33.7	67	30-120	
Hexachloro-1,3-butadiene	ug/L	50	18.2	36	14-107	
Hexachlorobenzene	ug/L	50	36.0	72	29-123	

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QUALITY CONTROL DATA

Project: PINE LAWN

Pace Project No.: 60348944

LABORATORY CONTROL SAMPLE: 2742156

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Hexachlorocyclopentadiene	ug/L	50	16.0	32	10-56	
Hexachloroethane	ug/L	50	16.5	33	14-103	
Indeno(1,2,3-cd)pyrene	ug/L	50	42.5	85	29-124	
Isophorone	ug/L	50	37.8	76	29-117	
N-Nitroso-di-n-propylamine	ug/L	50	36.7	73	28-117	
N-Nitrosodiphenylamine	ug/L	50	37.6	75	30-122	
Naphthalene	ug/L	50	23.8	48	25-111	
Nitrobenzene	ug/L	50	33.4	67	28-116	
Pentachlorophenol	ug/L	50	37.5J	75	17-134	
Phenanthrene	ug/L	50	37.5	75	30-121	
Phenol	ug/L	50	14.5	29	10-58	
Pyrene	ug/L	50	40.1	80	31-124	
Pyridine	ug/L	50	17.3	35	10-73	
2,4,6-Tribromophenol (S)	%			79	16-114	
2-Fluorobiphenyl (S)	%			63	29-108	
2-Fluorophenol (S)	%			43	11-64	
Nitrobenzene-d5 (S)	%			73	27-106	
Phenol-d6 (S)	%			28	10-44	
Terphenyl-d14 (S)	%			88	34-129	

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QUALITY CONTROL DATA

Project: PINE LAWN

Pace Project No.: 60348944

QC Batch: 678471

Analysis Method: ASTM D2974

QC Batch Method: ASTM D2974

Analysis Description: Dry Weight/Percent Moisture

Laboratory: Pace Analytical Services - Kansas City

Associated Lab Samples: 60348944001, 60348944002, 60348944003, 60348944004, 60348944005, 60348944007

METHOD BLANK: 2743343

Matrix: Solid

Associated Lab Samples: 60348944001, 60348944002, 60348944003, 60348944004, 60348944005, 60348944007

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Percent Moisture	%	ND	0.50	09/23/20 14:42	

SAMPLE DUPLICATE: 2743344

Parameter	Units	60348909016 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	18.2	18.3	1	20	

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QUALIFIERS

Project: PINE LAWN

Pace Project No.: 60348944

DEFINITIONS

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

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

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

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

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

S - Surrogate

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

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

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

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

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

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

TNI - The NELAC Institute.

BATCH QUALIFIERS

Batch: 678750

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

Batch: 678959

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

ANALYTE QUALIFIERS

D3 Sample was diluted due to the presence of high levels of non-target analytes or other matrix interference.

IL This analyte exceeded secondary source verification criteria low for the initial calibration. The reported results should be considered an estimated value.

L1 Analyte recovery in the laboratory control sample (LCS) was above QC limits. Results for this analyte in associated samples may be biased high.

L2 Analyte recovery in the laboratory control sample (LCS) was below QC limits. Results for this analyte in associated samples may be biased low.

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

R1 RPD value was outside control limits.

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

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: PINE LAWN

Pace Project No.: 60348944

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
60348944001	DPT-1-SO-(5.5-6.5)	EPA 3546	679537	EPA 8082	680254
60348944002	DPT-2-SO-(3-5)	EPA 3546	679537	EPA 8082	680254
60348944003	DPT-3-SO-(28-28.8)	EPA 3546	679537	EPA 8082	680254
60348944004	DPT-3-SO-(28-28.8)-FD	EPA 3546	679537	EPA 8082	680254
60348944005	DPT-4-SO-(28-29)	EPA 3546	679537	EPA 8082	680254
60348944007	DPT-S-SO-(15-16)	EPA 3546	679537	EPA 8082	680254
60348944008	PINE LAWN-FB1	EPA 3510	678318	EPA 8082	678663
60348944001	DPT-1-SO-(5.5-6.5)	EPA 3050	680128	EPA 6010	680456
60348944002	DPT-2-SO-(3-5)	EPA 3050	680128	EPA 6010	680456
60348944003	DPT-3-SO-(28-28.8)	EPA 3050	680128	EPA 6010	680456
60348944004	DPT-3-SO-(28-28.8)-FD	EPA 3050	680128	EPA 6010	680456
60348944005	DPT-4-SO-(28-29)	EPA 3050	680128	EPA 6010	680456
60348944007	DPT-S-SO-(15-16)	EPA 3050	680128	EPA 6010	680456
60348944008	PINE LAWN-FB1	EPA 3010	680174	EPA 6010	680281
60348944008	PINE LAWN-FB1	EPA 3010	680184	EPA 6010	680286
60348944008	PINE LAWN-FB1	EPA 7470	678729	EPA 7470	678788
60348944008	PINE LAWN-FB1	EPA 7470	678386	EPA 7470	678470
60348944001	DPT-1-SO-(5.5-6.5)	EPA 7471	679313	EPA 7471	679470
60348944002	DPT-2-SO-(3-5)	EPA 7471	679313	EPA 7471	679470
60348944003	DPT-3-SO-(28-28.8)	EPA 7471	679313	EPA 7471	679470
60348944004	DPT-3-SO-(28-28.8)-FD	EPA 7471	679313	EPA 7471	679470
60348944005	DPT-4-SO-(28-29)	EPA 7471	679313	EPA 7471	679470
60348944007	DPT-S-SO-(15-16)	EPA 7471	679313	EPA 7471	679470
60348944001	DPT-1-SO-(5.5-6.5)	EPA 3546	678954	EPA 8270	679637
60348944002	DPT-2-SO-(3-5)	EPA 3546	678954	EPA 8270	679637
60348944003	DPT-3-SO-(28-28.8)	EPA 3546	678954	EPA 8270	679637
60348944004	DPT-3-SO-(28-28.8)-FD	EPA 3546	678954	EPA 8270	679637
60348944005	DPT-4-SO-(28-29)	EPA 3546	678954	EPA 8270	679637
60348944007	DPT-S-SO-(15-16)	EPA 3546	678954	EPA 8270	679637
60348944001	DPT-1-SO-(5.5-6.5)	EPA 3546	678956	EPA 8270	679490
60348944002	DPT-2-SO-(3-5)	EPA 3546	678956	EPA 8270	679490
60348944003	DPT-3-SO-(28-28.8)	EPA 3546	678956	EPA 8270	679490
60348944004	DPT-3-SO-(28-28.8)-FD	EPA 3546	678956	EPA 8270	679490
60348944005	DPT-4-SO-(28-29)	EPA 3546	678956	EPA 8270	679490
60348944007	DPT-S-SO-(15-16)	EPA 3546	678956	EPA 8270	679490
60348944008	PINE LAWN-FB1	EPA 3510C	678835	EPA 8270	679489
60348944008	PINE LAWN-FB1	EPA 3510	678083	EPA 8270	678831
60348944001	DPT-1-SO-(5.5-6.5)	EPA 5035A/5030	678763	EPA 8260B	678885
60348944002	DPT-2-SO-(3-5)	EPA 5035A/5030	678413	EPA 8260B	678488
60348944003	DPT-3-SO-(28-28.8)	EPA 5035A/5030	678413	EPA 8260B	678488
60348944004	DPT-3-SO-(28-28.8)-FD	EPA 5035A/5030	678413	EPA 8260B	678488
60348944005	DPT-4-SO-(28-29)	EPA 5035A/5030	678413	EPA 8260B	678488

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: PINE LAWN

Pace Project No.: 60348944

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
60348944006	PINE LAWN-SO-TB1	EPA 5035A/5030	678413	EPA 8260B	678488
60348944007	DPT-S-SO-(15-16)	EPA 5035A/5030	678413	EPA 8260B	678488
60348944008	PINE LAWN-FB1	EPA 5030B/8260	678750		
60348944008	PINE LAWN-FB1	EPA 5030B/8260	678965		
60348944008	PINE LAWN-FB1	EPA 8260	678959		
60348944001	DPT-1-SO-(5.5-6.5)	EPA 5035	678414	EPA 8260	678489
60348944002	DPT-2-SO-(3-5)	EPA 5035	678414	EPA 8260	678489
60348944003	DPT-3-SO-(28-28.8)	EPA 5035	678414	EPA 8260	678489
60348944004	DPT-3-SO-(28-28.8)-FD	EPA 5035	678414	EPA 8260	678489
60348944005	DPT-4-SO-(28-29)	EPA 5035	678414	EPA 8260	678489
60348944007	DPT-S-SO-(15-16)	EPA 5035	678414	EPA 8260	678489
60348944001	DPT-1-SO-(5.5-6.5)	ASTM D2974	678471		
60348944002	DPT-2-SO-(3-5)	ASTM D2974	678471		
60348944003	DPT-3-SO-(28-28.8)	ASTM D2974	678471		
60348944004	DPT-3-SO-(28-28.8)-FD	ASTM D2974	678471		
60348944005	DPT-4-SO-(28-29)	ASTM D2974	678471		
60348944007	DPT-S-SO-(15-16)	ASTM D2974	678471		

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Sample Condition Upon Receipt

WO#: 60348944



60348944

Client Name: Tetra Tech

Courier: FedEx ☐ UPS ☐ VIA ☐ Clay ☐ PEX ☐ ECI ☐ Pace ☐ Xroads ☒ Client ☐ Other ☐

Tracking #: _____ Pace Shipping Label Used? Yes ☐ No ☒

Custody Seal on Cooler/Box Present: Yes ☐ No ☒ Seals intact: Yes ☐ No ☒

Packing Material: Bubble Wrap ☐ Bubble Bags ☒ Foam ☒ None ☐ Other ☒ 201c

Thermometer Used: T299 Type of Ice: Wet Blue ☐ None ☐

Cooler Temperature (°C): As-read 2.4 Corr. Factor 10.2 Corrected 2.6

Date and initials of person examining contents: 9-22-2018

Temperature should be above freezing to 6°C

Chain of Custody present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Chain of Custody relinquished:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Samples arrived within holding time:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Short Hold Time analyses (<72hr):	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	
Rush Turn Around Time requested:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	
Sufficient volume:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Correct containers used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Pace containers used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Containers intact:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Unpreserved 5035A / TX1005/1006 soils frozen in 48hrs?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
Filtered volume received for dissolved tests?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	<u>COC Reads water for Pine</u>
Sample labels match COC: Date / time / ID / analyses	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	<u>Laun-TAI received soil</u>
Samples contain multiple phases? Matrix: <u>LOT/SL</u>	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	<u>trip blanks</u>
Containers requiring pH preservation in compliance? (HNO ₃ , H ₂ SO ₄ , HCl<2; NaOH>9 Sulfide, NaOH>10 Cyanide) (Exceptions: VOA, Micro, O&G, KS TPH, OK-DRO) LOT# <u>602173</u>	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	List sample IDs, volumes, lot #'s of preservative and the date/time added.
Cyanide water sample checks:		
Lead acetate strip turns dark? (Record only)	<input type="checkbox"/> Yes <input type="checkbox"/> No	
Potassium iodide test strip turns blue/purple? (Preserve)	<input type="checkbox"/> Yes <input type="checkbox"/> No	
Trip Blank present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Headspace in VOA vials (>6mm):	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	
Samples from USDA Regulated Area: State: <u>MO</u>	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	
Additional labels attached to 5035A / TX1005 vials in the field?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	

Client Notification/ Resolution: Copy COC to Client? Y / N Field Data Required? Y / N

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

Project Manager Review:

Jeffrey Shopper

Date: _____



CHAIN-OF-CUSTODY / Analytical Request Document

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:	Tetra Tech EMI	Report To:	Kaitlyn Mitchell	Attention:	Kaitlyn Mitchell
Address:	415 Oak	Copy To:		Company Name:	Tetra Tech EMI
	Kansas City, MO 64106	Purchase Order No.:		Address:	
Email To:	kaitlyn.mitchell@tetratech.com			Pace Quote Reference:	
Phone:	(816) 412-1742	Fax:	(816) 410-1748	Pace Project Manager:	Jeffrey Shopper 913-563-1408
Requested Due Date/TAT:		Project Name:	Pine Lawn	Pace Profile #:	8083
		Project Number:			

Page: 1 of 1

REGULATORY AGENCY	
<input type="checkbox"/> NPDES	<input type="checkbox"/> GROUND WATER
<input type="checkbox"/> UST	<input type="checkbox"/> RCRA
<input type="checkbox"/> OTHER	
Site Location	MO
STATE:	

ITEM #	Section D Required Client Information	Valid Matrix Codes MATRIX CODE DRINKING WATER DW WASTE WATER WW WATER PRODUCT P SOLID/SOLID SL OIL OL WIPE WI AIR AR OTHER OT TISSUE TS	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED			SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives	Y/N	Requested Analysis Filtered (Y/N)										Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																										
					COMPOSITE START	DATE	TIME					DATE	TIME	Unpreserved	H ₂ SO ₄	HNO ₃	HCl	NaOH	Na ₂ S ₂ O ₃	Methanol	Other Solvents/Plastic			8082 PCBs	8270 DRO/ORO	RCRA 8 Metals	8270 SVOCs	8260 VOCs	8260 GRO	RCRA8 Metals(Dissolved)																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
1		DPT-1-50-(5.5-6.5)	SL G	G				7/2/20	1411	7	4																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						</

ADDITIONAL COMMENTS		RELINQUISHED BY / AFFILIATION		DATE	TIME	ACCEPTED BY / AFFILIATION		DATE	TIME	SAMPLE CONDITIONS																				
Shedance Copies		Shedance Copies		9/2/20	1815	Kzipt / Pa.		9.22.20	0415	2.6	1	N	1																	
SAMPLER NAME AND SIGNATURE												Temp in °C		Received on	Cooler (Y/N)	Samples Intact														
PRINT Name of SAMPLER: Shedance Copies & Thomas Kaley																														
SIGNATURE of SAMPLER: Kzipt																														
DATE Signed (MM/DD/YYYY): 09/21/20																														

October 05, 2020

Kaitlyn Mitchell
Tetra Tech EMI
415 Oak
Kansas City, MO 64106

RE: Project: PINE LAWN
Pace Project No.: 60349230

Dear Kaitlyn Mitchell:

Enclosed are the analytical results for sample(s) received by the laboratory on September 23, 2020. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

- Pace Analytical Services - Kansas City

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

Sincerely,



Jeffrey Shopper
jeff.shopper@pacelabs.com
1(913)563-1408
Project Manager

Enclosures



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: PINE LAWN

Pace Project No.: 60349230

Pace Analytical Services Kansas

9608 Loiret Boulevard, Lenexa, KS 66219

Missouri Inorganic Drinking Water Certification #: 10090

Arkansas Drinking Water

Arkansas Certification #: 20-020-0

Arkansas Drinking Water

Illinois Certification #: 200030

Iowa Certification #: 118

Kansas/NELAP Certification #: E-10116

Louisiana Certification #: 03055

Nevada Certification #: KS000212020-2

Oklahoma Certification #: 9205/9935

Florida: Cert E871149 SEKS WET

Texas Certification #: T104704407-19-12

Utah Certification #: KS000212019-9

Illinois Certification #: 004592

Kansas Field Laboratory Accreditation: # E-92587

Missouri SEKS Micro Certification: 10070

REPORT OF LABORATORY ANALYSIS

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SAMPLE SUMMARY

Project: PINE LAWN

Pace Project No.: 60349230

Lab ID	Sample ID	Matrix	Date Collected	Date Received
60349230001	DPT-9-SO-(29-30)	Solid	09/22/20 15:46	09/23/20 04:59
60349230002	DPT-10-SO-(29-30)	Solid	09/22/20 16:42	09/23/20 04:59
60349230003	PINE LAWN-SO-TB4	Solid	09/22/20 17:30	09/23/20 04:59
60349230004	DPT-11-SO-(2-3)	Solid	09/22/20 17:41	09/23/20 04:59
60349230005	DPT-11-SO-(12-13)	Solid	09/22/20 17:51	09/23/20 04:59
60349230006	DPT-11-SO-(29-30)	Solid	09/22/20 18:22	09/23/20 04:59

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: PINE LAWN

Pace Project No.: 60349230

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
60349230001	DPT-9-SO-(29-30)	EPA 8082	AJB1	8	PASI-K
		EPA 6010	TDS	7	PASI-K
		EPA 7471	MRV	1	PASI-K
		EPA 8270	JMT	73	PASI-K
		EPA 8270	NAW	5	PASI-K
		EPA 8260B	RAD	68	PASI-K
		EPA 8260	RAD	4	PASI-K
		ASTM D2974	DWC	1	PASI-K
60349230002	DPT-10-SO-(29-30)	EPA 8082	AJB1	8	PASI-K
		EPA 6010	TDS	7	PASI-K
		EPA 7471	MRV	1	PASI-K
		EPA 8270	JMT	73	PASI-K
		EPA 8270	NAW	5	PASI-K
		EPA 8260B	RAD	68	PASI-K
		EPA 8260	RAD	4	PASI-K
		ASTM D2974	DWC	1	PASI-K
60349230003	PINE LAWN-SO-TB4	EPA 8260B	RAD	68	PASI-K
60349230004	DPT-11-SO-(2-3)	EPA 8082	AJB1	8	PASI-K
		EPA 6010	TDS	7	PASI-K
		EPA 7471	MRV	1	PASI-K
		EPA 8270	JMT	73	PASI-K
		EPA 8270	NAW	5	PASI-K
		EPA 8260B	RAD	68	PASI-K
		EPA 8260	RAD	4	PASI-K
		ASTM D2974	DWC	1	PASI-K
60349230005	DPT-11-SO-(12-13)	EPA 8082	AJB1	8	PASI-K
		EPA 6010	TDS	7	PASI-K
		EPA 7471	MRV	1	PASI-K
		EPA 8270	JMT	73	PASI-K
		EPA 8270	NAW	5	PASI-K
		EPA 8260B	RAD	68	PASI-K
		EPA 5035A/8260	RAD	4	PASI-K
		ASTM D2974	DWC	1	PASI-K
60349230006	DPT-11-SO-(29-30)	EPA 8082	AJB1	8	PASI-K
		EPA 6010	TDS	7	PASI-K
		EPA 7471	MRV	1	PASI-K
		EPA 8270	JMT	73	PASI-K

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SAMPLE ANALYTE COUNT

Project: PINE LAWN

Pace Project No.: 60349230

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
		EPA 8270	NAW	5	PASI-K
		EPA 8260B	RAD	68	PASI-K
		EPA 8260	RAD	4	PASI-K
		ASTM D2974	DWC	1	PASI-K

PASI-K = Pace Analytical Services - Kansas City

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: PINE LAWN

Pace Project No.: 60349230

Sample: DPT-9-SO-(29-30) **Lab ID:** 60349230001 **Collected:** 09/22/20 15:46 **Received:** 09/23/20 04:59 **Matrix:** Solid

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

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8082 GCS PCB SW								
Analytical Method: EPA 8082 Preparation Method: EPA 3546								
Pace Analytical Services - Kansas City								
PCB-1016 (Aroclor 1016)	ND	ug/kg	38.9	1	09/29/20 15:19	10/01/20 19:27	12674-11-2	
PCB-1221 (Aroclor 1221)	ND	ug/kg	38.9	1	09/29/20 15:19	10/01/20 19:27	11104-28-2	
PCB-1232 (Aroclor 1232)	ND	ug/kg	38.9	1	09/29/20 15:19	10/01/20 19:27	11141-16-5	
PCB-1242 (Aroclor 1242)	ND	ug/kg	38.9	1	09/29/20 15:19	10/01/20 19:27	53469-21-9	
PCB-1248 (Aroclor 1248)	ND	ug/kg	38.9	1	09/29/20 15:19	10/01/20 19:27	12672-29-6	
PCB-1254 (Aroclor 1254)	ND	ug/kg	38.9	1	09/29/20 15:19	10/01/20 19:27	11097-69-1	
PCB-1260 (Aroclor 1260)	ND	ug/kg	38.9	1	09/29/20 15:19	10/01/20 19:27	11096-82-5	
Surrogates								
Decachlorobiphenyl (S)	84	%	28-143	1	09/29/20 15:19	10/01/20 19:27	2051-24-3	
6010 MET ICP Red. Interference								
Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Pace Analytical Services - Kansas City								
Arsenic	5.0	mg/kg	0.97	1	10/02/20 10:03	10/05/20 13:39	7440-38-2	
Barium	69.8	mg/kg	0.48	1	10/02/20 10:03	10/05/20 13:39	7440-39-3	
Cadmium	ND	mg/kg	0.48	1	10/02/20 10:03	10/05/20 13:39	7440-43-9	
Chromium	26.8	mg/kg	0.48	1	10/02/20 10:03	10/05/20 13:39	7440-47-3	
Lead	11.2	mg/kg	0.97	1	10/02/20 10:03	10/05/20 13:39	7439-92-1	
Selenium	ND	mg/kg	1.5	1	10/02/20 10:03	10/05/20 13:39	7782-49-2	
Silver	ND	mg/kg	0.68	1	10/02/20 10:03	10/05/20 13:39	7440-22-4	
7471 Mercury								
Analytical Method: EPA 7471 Preparation Method: EPA 7471								
Pace Analytical Services - Kansas City								
Mercury	ND	mg/kg	0.054	1	09/30/20 18:07	10/01/20 12:31	7439-97-6	
8270 MSSV Semivolatiles								
Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Pace Analytical Services - Kansas City								
Acenaphthene	ND	ug/kg	387	1	09/27/20 13:01	09/29/20 22:09	83-32-9	
Acenaphthylene	ND	ug/kg	387	1	09/27/20 13:01	09/29/20 22:09	208-96-8	
Anthracene	ND	ug/kg	387	1	09/27/20 13:01	09/29/20 22:09	120-12-7	
Benzo(a)anthracene	ND	ug/kg	387	1	09/27/20 13:01	09/29/20 22:09	56-55-3	
Benzo(a)pyrene	ND	ug/kg	387	1	09/27/20 13:01	09/29/20 22:09	50-32-8	
Benzo(b)fluoranthene	ND	ug/kg	387	1	09/27/20 13:01	09/29/20 22:09	205-99-2	
Benzo(g,h,i)perylene	ND	ug/kg	387	1	09/27/20 13:01	09/29/20 22:09	191-24-2	
Benzo(k)fluoranthene	ND	ug/kg	387	1	09/27/20 13:01	09/29/20 22:09	207-08-9	
Benzoic Acid	ND	ug/kg	1960	1	09/27/20 13:01	09/29/20 22:09	65-85-0	L1
Benzyl alcohol	ND	ug/kg	775	1	09/27/20 13:01	09/29/20 22:09	100-51-6	
4-Bromophenylphenyl ether	ND	ug/kg	387	1	09/27/20 13:01	09/29/20 22:09	101-55-3	
Butylbenzylphthalate	ND	ug/kg	387	1	09/27/20 13:01	09/29/20 22:09	85-68-7	
Carbazole	ND	ug/kg	387	1	09/27/20 13:01	09/29/20 22:09	86-74-8	
4-Chloro-3-methylphenol	ND	ug/kg	775	1	09/27/20 13:01	09/29/20 22:09	59-50-7	
4-Chloroaniline	ND	ug/kg	775	1	09/27/20 13:01	09/29/20 22:09	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/kg	387	1	09/27/20 13:01	09/29/20 22:09	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/kg	387	1	09/27/20 13:01	09/29/20 22:09	111-44-4	
bis(2-Chloroisopropyl) ether	ND	ug/kg	387	1	09/27/20 13:01	09/29/20 22:09	108-60-1	
2-Chloronaphthalene	ND	ug/kg	387	1	09/27/20 13:01	09/29/20 22:09	91-58-7	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: PINE LAWN

Pace Project No.: 60349230

Sample: DPT-9-SO-(29-30) Lab ID: 60349230001 Collected: 09/22/20 15:46 Received: 09/23/20 04:59 Matrix: Solid

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

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Semivolatiles		Analytical Method: EPA 8270 Preparation Method: EPA 3546 Pace Analytical Services - Kansas City						
2-Chlorophenol	ND	ug/kg	387	1	09/27/20 13:01	09/29/20 22:09	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/kg	387	1	09/27/20 13:01	09/29/20 22:09	7005-72-3	
Chrysene	ND	ug/kg	387	1	09/27/20 13:01	09/29/20 22:09	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	387	1	09/27/20 13:01	09/29/20 22:09	53-70-3	
Dibenzofuran	ND	ug/kg	387	1	09/27/20 13:01	09/29/20 22:09	132-64-9	
1,2-Dichlorobenzene	ND	ug/kg	387	1	09/27/20 13:01	09/29/20 22:09	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	387	1	09/27/20 13:01	09/29/20 22:09	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	387	1	09/27/20 13:01	09/29/20 22:09	106-46-7	
3,3'-Dichlorobenzidine	ND	ug/kg	775	1	09/27/20 13:01	09/29/20 22:09	91-94-1	
2,4-Dichlorophenol	ND	ug/kg	387	1	09/27/20 13:01	09/29/20 22:09	120-83-2	
Diethylphthalate	ND	ug/kg	387	1	09/27/20 13:01	09/29/20 22:09	84-66-2	
2,4-Dimethylphenol	ND	ug/kg	387	1	09/27/20 13:01	09/29/20 22:09	105-67-9	
Dimethylphthalate	ND	ug/kg	387	1	09/27/20 13:01	09/29/20 22:09	131-11-3	
Di-n-butylphthalate	ND	ug/kg	387	1	09/27/20 13:01	09/29/20 22:09	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/kg	1960	1	09/27/20 13:01	09/29/20 22:09	534-52-1	
2,4-Dinitrophenol	ND	ug/kg	1960	1	09/27/20 13:01	09/29/20 22:09	51-28-5	
2,4-Dinitrotoluene	ND	ug/kg	387	1	09/27/20 13:01	09/29/20 22:09	121-14-2	
2,6-Dinitrotoluene	ND	ug/kg	387	1	09/27/20 13:01	09/29/20 22:09	606-20-2	
Di-n-octylphthalate	ND	ug/kg	387	1	09/27/20 13:01	09/29/20 22:09	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/kg	387	1	09/27/20 13:01	09/29/20 22:09	117-81-7	
Fluoranthene	ND	ug/kg	387	1	09/27/20 13:01	09/29/20 22:09	206-44-0	
Fluorene	ND	ug/kg	387	1	09/27/20 13:01	09/29/20 22:09	86-73-7	
Hexachloro-1,3-butadiene	ND	ug/kg	387	1	09/27/20 13:01	09/29/20 22:09	87-68-3	
Hexachlorobenzene	ND	ug/kg	387	1	09/27/20 13:01	09/29/20 22:09	118-74-1	
Hexachlorocyclopentadiene	ND	ug/kg	387	1	09/27/20 13:01	09/29/20 22:09	77-47-4	
Hexachloroethane	ND	ug/kg	387	1	09/27/20 13:01	09/29/20 22:09	67-72-1	
Indeno(1,2,3-cd)pyrene	ND	ug/kg	387	1	09/27/20 13:01	09/29/20 22:09	193-39-5	
Isophorone	ND	ug/kg	387	1	09/27/20 13:01	09/29/20 22:09	78-59-1	
2-Methylnaphthalene	ND	ug/kg	387	1	09/27/20 13:01	09/29/20 22:09	91-57-6	
2-Methylphenol(o-Cresol)	ND	ug/kg	387	1	09/27/20 13:01	09/29/20 22:09	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/kg	387	1	09/27/20 13:01	09/29/20 22:09	15831-10-4	
Naphthalene	ND	ug/kg	387	1	09/27/20 13:01	09/29/20 22:09	91-20-3	
2-Nitroaniline	ND	ug/kg	775	1	09/27/20 13:01	09/29/20 22:09	88-74-4	
3-Nitroaniline	ND	ug/kg	775	1	09/27/20 13:01	09/29/20 22:09	99-09-2	
4-Nitroaniline	ND	ug/kg	775	1	09/27/20 13:01	09/29/20 22:09	100-01-6	
Nitrobenzene	ND	ug/kg	387	1	09/27/20 13:01	09/29/20 22:09	98-95-3	
2-Nitrophenol	ND	ug/kg	387	1	09/27/20 13:01	09/29/20 22:09	88-75-5	
4-Nitrophenol	ND	ug/kg	1960	1	09/27/20 13:01	09/29/20 22:09	100-02-7	
N-Nitroso-di-n-propylamine	ND	ug/kg	387	1	09/27/20 13:01	09/29/20 22:09	621-64-7	
N-Nitrosodiphenylamine	ND	ug/kg	387	1	09/27/20 13:01	09/29/20 22:09	86-30-6	
Pentachlorophenol	ND	ug/kg	1960	1	09/27/20 13:01	09/29/20 22:09	87-86-5	
Phenanthrene	ND	ug/kg	387	1	09/27/20 13:01	09/29/20 22:09	85-01-8	
Phenol	ND	ug/kg	387	1	09/27/20 13:01	09/29/20 22:09	108-95-2	
Pyrene	ND	ug/kg	387	1	09/27/20 13:01	09/29/20 22:09	129-00-0	
Pyridine	ND	ug/kg	387	1	09/27/20 13:01	09/29/20 22:09	110-86-1	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: PINE LAWN

Pace Project No.: 60349230

Sample: DPT-9-SO-(29-30) **Lab ID: 60349230001** Collected: 09/22/20 15:46 Received: 09/23/20 04:59 Matrix: Solid

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

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Semivolatiles								
Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Pace Analytical Services - Kansas City								
1,2,4-Trichlorobenzene	ND	ug/kg	387	1	09/27/20 13:01	09/29/20 22:09	120-82-1	
2,4,5-Trichlorophenol	ND	ug/kg	387	1	09/27/20 13:01	09/29/20 22:09	95-95-4	
2,4,6-Trichlorophenol	ND	ug/kg	387	1	09/27/20 13:01	09/29/20 22:09	88-06-2	
Surrogates								
Nitrobenzene-d5 (S)	76	%	33-132	1	09/27/20 13:01	09/29/20 22:09	4165-60-0	
2-Fluorobiphenyl (S)	76	%	39-136	1	09/27/20 13:01	09/29/20 22:09	321-60-8	
Terphenyl-d14 (S)	79	%	29-131	1	09/27/20 13:01	09/29/20 22:09	1718-51-0	
Phenol-d6 (S)	71	%	43-95	1	09/27/20 13:01	09/29/20 22:09	13127-88-3	
2-Fluorophenol (S)	71	%	43-96	1	09/27/20 13:01	09/29/20 22:09	367-12-4	
2,4,6-Tribromophenol (S)	72	%	41-108	1	09/27/20 13:01	09/29/20 22:09	118-79-6	
8270 MSSV DRO/ORO								
Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Pace Analytical Services - Kansas City								
TPH-ORO	ND	mg/kg	17.6	1	09/25/20 15:43	10/01/20 18:38		
TPH-DRO	ND	mg/kg	17.6	1	09/25/20 15:43	10/01/20 18:38		
Surrogates								
Nitrobenzene-d5 (S)	88	%	33-132	1	09/25/20 15:43	10/01/20 18:38	4165-60-0	
2-Fluorobiphenyl (S)	93	%	39-136	1	09/25/20 15:43	10/01/20 18:38	321-60-8	
Terphenyl-d14 (S)	94	%	29-131	1	09/25/20 15:43	10/01/20 18:38	1718-51-0	
8260 MSV 5035A VOA								
Analytical Method: EPA 8260B Preparation Method: EPA 5035A/5030								
Pace Analytical Services - Kansas City								
Acetone	ND	ug/kg	19.0	1	09/24/20 16:10	09/24/20 22:28	67-64-1	
Benzene	ND	ug/kg	4.8	1	09/24/20 16:10	09/24/20 22:28	71-43-2	
Bromobenzene	ND	ug/kg	4.8	1	09/24/20 16:10	09/24/20 22:28	108-86-1	
Bromochloromethane	ND	ug/kg	4.8	1	09/24/20 16:10	09/24/20 22:28	74-97-5	
Bromodichloromethane	ND	ug/kg	4.8	1	09/24/20 16:10	09/24/20 22:28	75-27-4	
Bromoform	ND	ug/kg	4.8	1	09/24/20 16:10	09/24/20 22:28	75-25-2	
Bromomethane	ND	ug/kg	4.8	1	09/24/20 16:10	09/24/20 22:28	74-83-9	
2-Butanone (MEK)	ND	ug/kg	9.5	1	09/24/20 16:10	09/24/20 22:28	78-93-3	
n-Butylbenzene	ND	ug/kg	4.8	1	09/24/20 16:10	09/24/20 22:28	104-51-8	
sec-Butylbenzene	ND	ug/kg	4.8	1	09/24/20 16:10	09/24/20 22:28	135-98-8	
tert-Butylbenzene	ND	ug/kg	23.8	1	09/24/20 16:10	09/24/20 22:28	98-06-6	
Carbon disulfide	ND	ug/kg	4.8	1	09/24/20 16:10	09/24/20 22:28	75-15-0	
Carbon tetrachloride	ND	ug/kg	4.8	1	09/24/20 16:10	09/24/20 22:28	56-23-5	
Chlorobenzene	ND	ug/kg	4.8	1	09/24/20 16:10	09/24/20 22:28	108-90-7	
Chloroethane	ND	ug/kg	4.8	1	09/24/20 16:10	09/24/20 22:28	75-00-3	
Chloroform	ND	ug/kg	4.8	1	09/24/20 16:10	09/24/20 22:28	67-66-3	
Chloromethane	ND	ug/kg	4.8	1	09/24/20 16:10	09/24/20 22:28	74-87-3	
2-Chlorotoluene	ND	ug/kg	4.8	1	09/24/20 16:10	09/24/20 22:28	95-49-8	
4-Chlorotoluene	ND	ug/kg	4.8	1	09/24/20 16:10	09/24/20 22:28	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/kg	9.5	1	09/24/20 16:10	09/24/20 22:28	96-12-8	
Dibromochloromethane	ND	ug/kg	4.8	1	09/24/20 16:10	09/24/20 22:28	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	4.8	1	09/24/20 16:10	09/24/20 22:28	106-93-4	
Dibromomethane	ND	ug/kg	4.8	1	09/24/20 16:10	09/24/20 22:28	74-95-3	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: PINE LAWN

Pace Project No.: 60349230

Sample: DPT-9-SO-(29-30) **Lab ID: 60349230001** Collected: 09/22/20 15:46 Received: 09/23/20 04:59 Matrix: Solid

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

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035A VOA	Analytical Method: EPA 8260B Preparation Method: EPA 5035A/5030 Pace Analytical Services - Kansas City							
1,2-Dichlorobenzene	ND	ug/kg	4.8	1	09/24/20 16:10	09/24/20 22:28	95-50-1	SS
1,3-Dichlorobenzene	ND	ug/kg	4.8	1	09/24/20 16:10	09/24/20 22:28	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	4.8	1	09/24/20 16:10	09/24/20 22:28	106-46-7	
Dichlorodifluoromethane	ND	ug/kg	4.8	1	09/24/20 16:10	09/24/20 22:28	75-71-8	
1,1-Dichloroethane	ND	ug/kg	4.8	1	09/24/20 16:10	09/24/20 22:28	75-34-3	
1,2-Dichloroethane	ND	ug/kg	4.8	1	09/24/20 16:10	09/24/20 22:28	107-06-2	
1,2-Dichloroethene (Total)	ND	ug/kg	4.8	1	09/24/20 16:10	09/24/20 22:28	540-59-0	
1,1-Dichloroethene	ND	ug/kg	4.8	1	09/24/20 16:10	09/24/20 22:28	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	4.8	1	09/24/20 16:10	09/24/20 22:28	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	4.8	1	09/24/20 16:10	09/24/20 22:28	156-60-5	
1,2-Dichloropropane	ND	ug/kg	4.8	1	09/24/20 16:10	09/24/20 22:28	78-87-5	
1,3-Dichloropropane	ND	ug/kg	4.8	1	09/24/20 16:10	09/24/20 22:28	142-28-9	
2,2-Dichloropropane	ND	ug/kg	4.8	1	09/24/20 16:10	09/24/20 22:28	594-20-7	
1,1-Dichloropropene	ND	ug/kg	4.8	1	09/24/20 16:10	09/24/20 22:28	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	4.8	1	09/24/20 16:10	09/24/20 22:28	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	4.8	1	09/24/20 16:10	09/24/20 22:28	10061-02-6	
Ethylbenzene	ND	ug/kg	4.8	1	09/24/20 16:10	09/24/20 22:28	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/kg	4.8	1	09/24/20 16:10	09/24/20 22:28	87-68-3	
2-Hexanone	ND	ug/kg	19.0	1	09/24/20 16:10	09/24/20 22:28	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/kg	4.8	1	09/24/20 16:10	09/24/20 22:28	98-82-8	
p-Isopropyltoluene	ND	ug/kg	4.8	1	09/24/20 16:10	09/24/20 22:28	99-87-6	
Methylene Chloride	ND	ug/kg	4.8	1	09/24/20 16:10	09/24/20 22:28	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	9.5	1	09/24/20 16:10	09/24/20 22:28	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	4.8	1	09/24/20 16:10	09/24/20 22:28	1634-04-4	
Naphthalene	ND	ug/kg	9.5	1	09/24/20 16:10	09/24/20 22:28	91-20-3	
n-Propylbenzene	ND	ug/kg	4.8	1	09/24/20 16:10	09/24/20 22:28	103-65-1	
Styrene	ND	ug/kg	4.8	1	09/24/20 16:10	09/24/20 22:28	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	4.8	1	09/24/20 16:10	09/24/20 22:28	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	4.8	1	09/24/20 16:10	09/24/20 22:28	79-34-5	
Tetrachloroethene	ND	ug/kg	4.8	1	09/24/20 16:10	09/24/20 22:28	127-18-4	
Toluene	ND	ug/kg	4.8	1	09/24/20 16:10	09/24/20 22:28	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	4.8	1	09/24/20 16:10	09/24/20 22:28	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	4.8	1	09/24/20 16:10	09/24/20 22:28	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	4.8	1	09/24/20 16:10	09/24/20 22:28	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	4.8	1	09/24/20 16:10	09/24/20 22:28	79-00-5	
Trichloroethene	ND	ug/kg	4.8	1	09/24/20 16:10	09/24/20 22:28	79-01-6	
Trichlorofluoromethane	ND	ug/kg	4.8	1	09/24/20 16:10	09/24/20 22:28	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	4.8	1	09/24/20 16:10	09/24/20 22:28	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/kg	4.8	1	09/24/20 16:10	09/24/20 22:28	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	4.8	1	09/24/20 16:10	09/24/20 22:28	108-67-8	
Vinyl chloride	ND	ug/kg	4.8	1	09/24/20 16:10	09/24/20 22:28	75-01-4	
Xylene (Total)	ND	ug/kg	4.8	1	09/24/20 16:10	09/24/20 22:28	1330-20-7	
Surrogates								
Toluene-d8 (S)	101	%	80-120	1	09/24/20 16:10	09/24/20 22:28	2037-26-5	
4-Bromofluorobenzene (S)	96	%	85-115	1	09/24/20 16:10	09/24/20 22:28	460-00-4	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: PINE LAWN

Pace Project No.: 60349230

Sample: DPT-9-SO-(29-30) **Lab ID:** 60349230001 Collected: 09/22/20 15:46 Received: 09/23/20 04:59 Matrix: Solid

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

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035A VOA								
Analytical Method: EPA 8260B Preparation Method: EPA 5035A/5030								
Pace Analytical Services - Kansas City								
Surrogates								
1,2-Dichloroethane-d4 (S)	109	%	78-118	1	09/24/20 16:10	09/24/20 22:28	17060-07-0	
8260 MSV GRO and Oxygenates								
Analytical Method: EPA 8260 Preparation Method: EPA 5035								
Pace Analytical Services - Kansas City								
TPH-GRO	ND	mg/kg	0.48	1	09/24/20 16:10	09/24/20 22:28		
Surrogates								
Toluene-d8 (S)	101	%	78-122	1	09/24/20 16:10	09/24/20 22:28	2037-26-5	
4-Bromofluorobenzene (S)	96	%	69-133	1	09/24/20 16:10	09/24/20 22:28	460-00-4	
1,2-Dichloroethane-d4 (S)	109	%	80-123	1	09/24/20 16:10	09/24/20 22:28	17060-07-0	
Percent Moisture								
Analytical Method: ASTM D2974								
Pace Analytical Services - Kansas City								
Percent Moisture	15.3	%	0.50	1		09/24/20 14:27		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: PINE LAWN

Pace Project No.: 60349230

Sample: DPT-10-SO-(29-30) **Lab ID:** 60349230002 **Collected:** 09/22/20 16:42 **Received:** 09/23/20 04:59 **Matrix:** Solid

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

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8082 GCS PCB SW								
Analytical Method: EPA 8082 Preparation Method: EPA 3546								
Pace Analytical Services - Kansas City								
PCB-1016 (Aroclor 1016)	ND	ug/kg	39.2	1	09/29/20 15:19	10/01/20 19:45	12674-11-2	
PCB-1221 (Aroclor 1221)	ND	ug/kg	39.2	1	09/29/20 15:19	10/01/20 19:45	11104-28-2	
PCB-1232 (Aroclor 1232)	ND	ug/kg	39.2	1	09/29/20 15:19	10/01/20 19:45	11141-16-5	
PCB-1242 (Aroclor 1242)	ND	ug/kg	39.2	1	09/29/20 15:19	10/01/20 19:45	53469-21-9	
PCB-1248 (Aroclor 1248)	ND	ug/kg	39.2	1	09/29/20 15:19	10/01/20 19:45	12672-29-6	
PCB-1254 (Aroclor 1254)	ND	ug/kg	39.2	1	09/29/20 15:19	10/01/20 19:45	11097-69-1	
PCB-1260 (Aroclor 1260)	ND	ug/kg	39.2	1	09/29/20 15:19	10/01/20 19:45	11096-82-5	
Surrogates								
Decachlorobiphenyl (S)	89	%	28-143	1	09/29/20 15:19	10/01/20 19:45	2051-24-3	
6010 MET ICP Red. Interference								
Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Pace Analytical Services - Kansas City								
Arsenic	2.4	mg/kg	1.0	1	10/02/20 10:03	10/05/20 13:46	7440-38-2	
Barium	65.9	mg/kg	0.51	1	10/02/20 10:03	10/05/20 13:46	7440-39-3	
Cadmium	ND	mg/kg	0.51	1	10/02/20 10:03	10/05/20 13:46	7440-43-9	
Chromium	24.0	mg/kg	0.51	1	10/02/20 10:03	10/05/20 13:46	7440-47-3	
Lead	6.3	mg/kg	1.0	1	10/02/20 10:03	10/05/20 13:46	7439-92-1	
Selenium	ND	mg/kg	1.5	1	10/02/20 10:03	10/05/20 13:46	7782-49-2	
Silver	ND	mg/kg	0.71	1	10/02/20 10:03	10/05/20 13:46	7440-22-4	
7471 Mercury								
Analytical Method: EPA 7471 Preparation Method: EPA 7471								
Pace Analytical Services - Kansas City								
Mercury	ND	mg/kg	0.048	1	09/30/20 18:07	10/01/20 12:37	7439-97-6	
8270 MSSV Semivolatiles								
Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Pace Analytical Services - Kansas City								
Acenaphthene	ND	ug/kg	374	1	09/27/20 13:01	09/29/20 22:31	83-32-9	
Acenaphthylene	ND	ug/kg	374	1	09/27/20 13:01	09/29/20 22:31	208-96-8	
Anthracene	ND	ug/kg	374	1	09/27/20 13:01	09/29/20 22:31	120-12-7	
Benzo(a)anthracene	ND	ug/kg	374	1	09/27/20 13:01	09/29/20 22:31	56-55-3	
Benzo(a)pyrene	ND	ug/kg	374	1	09/27/20 13:01	09/29/20 22:31	50-32-8	
Benzo(b)fluoranthene	ND	ug/kg	374	1	09/27/20 13:01	09/29/20 22:31	205-99-2	
Benzo(g,h,i)perylene	ND	ug/kg	374	1	09/27/20 13:01	09/29/20 22:31	191-24-2	
Benzo(k)fluoranthene	ND	ug/kg	374	1	09/27/20 13:01	09/29/20 22:31	207-08-9	
Benzoic Acid	ND	ug/kg	1890	1	09/27/20 13:01	09/29/20 22:31	65-85-0	L1
Benzyl alcohol	ND	ug/kg	749	1	09/27/20 13:01	09/29/20 22:31	100-51-6	
4-Bromophenylphenyl ether	ND	ug/kg	374	1	09/27/20 13:01	09/29/20 22:31	101-55-3	
Butylbenzylphthalate	ND	ug/kg	374	1	09/27/20 13:01	09/29/20 22:31	85-68-7	
Carbazole	ND	ug/kg	374	1	09/27/20 13:01	09/29/20 22:31	86-74-8	
4-Chloro-3-methylphenol	ND	ug/kg	749	1	09/27/20 13:01	09/29/20 22:31	59-50-7	
4-Chloroaniline	ND	ug/kg	749	1	09/27/20 13:01	09/29/20 22:31	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/kg	374	1	09/27/20 13:01	09/29/20 22:31	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/kg	374	1	09/27/20 13:01	09/29/20 22:31	111-44-4	
bis(2-Chloroisopropyl) ether	ND	ug/kg	374	1	09/27/20 13:01	09/29/20 22:31	108-60-1	
2-Chloronaphthalene	ND	ug/kg	374	1	09/27/20 13:01	09/29/20 22:31	91-58-7	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: PINE LAWN

Pace Project No.: 60349230

Sample: DPT-10-SO-(29-30) **Lab ID: 60349230002** Collected: 09/22/20 16:42 Received: 09/23/20 04:59 Matrix: Solid

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

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Semivolatiles		Analytical Method: EPA 8270 Preparation Method: EPA 3546 Pace Analytical Services - Kansas City						
2-Chlorophenol	ND	ug/kg	374	1	09/27/20 13:01	09/29/20 22:31	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/kg	374	1	09/27/20 13:01	09/29/20 22:31	7005-72-3	
Chrysene	ND	ug/kg	374	1	09/27/20 13:01	09/29/20 22:31	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	374	1	09/27/20 13:01	09/29/20 22:31	53-70-3	
Dibenzofuran	ND	ug/kg	374	1	09/27/20 13:01	09/29/20 22:31	132-64-9	
1,2-Dichlorobenzene	ND	ug/kg	374	1	09/27/20 13:01	09/29/20 22:31	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	374	1	09/27/20 13:01	09/29/20 22:31	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	374	1	09/27/20 13:01	09/29/20 22:31	106-46-7	
3,3'-Dichlorobenzidine	ND	ug/kg	749	1	09/27/20 13:01	09/29/20 22:31	91-94-1	
2,4-Dichlorophenol	ND	ug/kg	374	1	09/27/20 13:01	09/29/20 22:31	120-83-2	
Diethylphthalate	ND	ug/kg	374	1	09/27/20 13:01	09/29/20 22:31	84-66-2	
2,4-Dimethylphenol	ND	ug/kg	374	1	09/27/20 13:01	09/29/20 22:31	105-67-9	
Dimethylphthalate	ND	ug/kg	374	1	09/27/20 13:01	09/29/20 22:31	131-11-3	
Di-n-butylphthalate	ND	ug/kg	374	1	09/27/20 13:01	09/29/20 22:31	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/kg	1890	1	09/27/20 13:01	09/29/20 22:31	534-52-1	
2,4-Dinitrophenol	ND	ug/kg	1890	1	09/27/20 13:01	09/29/20 22:31	51-28-5	
2,4-Dinitrotoluene	ND	ug/kg	374	1	09/27/20 13:01	09/29/20 22:31	121-14-2	
2,6-Dinitrotoluene	ND	ug/kg	374	1	09/27/20 13:01	09/29/20 22:31	606-20-2	
Di-n-octylphthalate	ND	ug/kg	374	1	09/27/20 13:01	09/29/20 22:31	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/kg	374	1	09/27/20 13:01	09/29/20 22:31	117-81-7	
Fluoranthene	ND	ug/kg	374	1	09/27/20 13:01	09/29/20 22:31	206-44-0	
Fluorene	ND	ug/kg	374	1	09/27/20 13:01	09/29/20 22:31	86-73-7	
Hexachloro-1,3-butadiene	ND	ug/kg	374	1	09/27/20 13:01	09/29/20 22:31	87-68-3	
Hexachlorobenzene	ND	ug/kg	374	1	09/27/20 13:01	09/29/20 22:31	118-74-1	
Hexachlorocyclopentadiene	ND	ug/kg	374	1	09/27/20 13:01	09/29/20 22:31	77-47-4	
Hexachloroethane	ND	ug/kg	374	1	09/27/20 13:01	09/29/20 22:31	67-72-1	
Indeno(1,2,3-cd)pyrene	ND	ug/kg	374	1	09/27/20 13:01	09/29/20 22:31	193-39-5	
Isophorone	ND	ug/kg	374	1	09/27/20 13:01	09/29/20 22:31	78-59-1	
2-Methylnaphthalene	ND	ug/kg	374	1	09/27/20 13:01	09/29/20 22:31	91-57-6	
2-Methylphenol(o-Cresol)	ND	ug/kg	374	1	09/27/20 13:01	09/29/20 22:31	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/kg	374	1	09/27/20 13:01	09/29/20 22:31	15831-10-4	
Naphthalene	ND	ug/kg	374	1	09/27/20 13:01	09/29/20 22:31	91-20-3	
2-Nitroaniline	ND	ug/kg	749	1	09/27/20 13:01	09/29/20 22:31	88-74-4	
3-Nitroaniline	ND	ug/kg	749	1	09/27/20 13:01	09/29/20 22:31	99-09-2	
4-Nitroaniline	ND	ug/kg	749	1	09/27/20 13:01	09/29/20 22:31	100-01-6	
Nitrobenzene	ND	ug/kg	374	1	09/27/20 13:01	09/29/20 22:31	98-95-3	
2-Nitrophenol	ND	ug/kg	374	1	09/27/20 13:01	09/29/20 22:31	88-75-5	
4-Nitrophenol	ND	ug/kg	1890	1	09/27/20 13:01	09/29/20 22:31	100-02-7	
N-Nitroso-di-n-propylamine	ND	ug/kg	374	1	09/27/20 13:01	09/29/20 22:31	621-64-7	
N-Nitrosodiphenylamine	ND	ug/kg	374	1	09/27/20 13:01	09/29/20 22:31	86-30-6	
Pentachlorophenol	ND	ug/kg	1890	1	09/27/20 13:01	09/29/20 22:31	87-86-5	
Phenanthrene	ND	ug/kg	374	1	09/27/20 13:01	09/29/20 22:31	85-01-8	
Phenol	ND	ug/kg	374	1	09/27/20 13:01	09/29/20 22:31	108-95-2	
Pyrene	ND	ug/kg	374	1	09/27/20 13:01	09/29/20 22:31	129-00-0	
Pyridine	ND	ug/kg	374	1	09/27/20 13:01	09/29/20 22:31	110-86-1	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: PINE LAWN

Pace Project No.: 60349230

Sample: DPT-10-SO-(29-30) Lab ID: 60349230002 Collected: 09/22/20 16:42 Received: 09/23/20 04:59 Matrix: Solid

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

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Semivolatiles								
Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Pace Analytical Services - Kansas City								
1,2,4-Trichlorobenzene	ND	ug/kg	374	1	09/27/20 13:01	09/29/20 22:31	120-82-1	
2,4,5-Trichlorophenol	ND	ug/kg	374	1	09/27/20 13:01	09/29/20 22:31	95-95-4	
2,4,6-Trichlorophenol	ND	ug/kg	374	1	09/27/20 13:01	09/29/20 22:31	88-06-2	
Surrogates								
Nitrobenzene-d5 (S)	73	%	33-132	1	09/27/20 13:01	09/29/20 22:31	4165-60-0	
2-Fluorobiphenyl (S)	72	%	39-136	1	09/27/20 13:01	09/29/20 22:31	321-60-8	
Terphenyl-d14 (S)	75	%	29-131	1	09/27/20 13:01	09/29/20 22:31	1718-51-0	
Phenol-d6 (S)	68	%	43-95	1	09/27/20 13:01	09/29/20 22:31	13127-88-3	
2-Fluorophenol (S)	69	%	43-96	1	09/27/20 13:01	09/29/20 22:31	367-12-4	
2,4,6-Tribromophenol (S)	69	%	41-108	1	09/27/20 13:01	09/29/20 22:31	118-79-6	
8270 MSSV DRO/ORO								
Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Pace Analytical Services - Kansas City								
TPH-ORO	ND	mg/kg	17.6	1	09/25/20 15:43	10/01/20 18:58		
TPH-DRO	ND	mg/kg	17.6	1	09/25/20 15:43	10/01/20 18:58		
Surrogates								
Nitrobenzene-d5 (S)	82	%	33-132	1	09/25/20 15:43	10/01/20 18:58	4165-60-0	
2-Fluorobiphenyl (S)	88	%	39-136	1	09/25/20 15:43	10/01/20 18:58	321-60-8	
Terphenyl-d14 (S)	90	%	29-131	1	09/25/20 15:43	10/01/20 18:58	1718-51-0	
8260 MSV 5035A VOA								
Analytical Method: EPA 8260B Preparation Method: EPA 5035A/5030								
Pace Analytical Services - Kansas City								
Acetone	ND	ug/kg	18.9	1	09/24/20 16:10	09/24/20 22:43	67-64-1	
Benzene	ND	ug/kg	4.7	1	09/24/20 16:10	09/24/20 22:43	71-43-2	
Bromobenzene	ND	ug/kg	4.7	1	09/24/20 16:10	09/24/20 22:43	108-86-1	
Bromochloromethane	ND	ug/kg	4.7	1	09/24/20 16:10	09/24/20 22:43	74-97-5	
Bromodichloromethane	ND	ug/kg	4.7	1	09/24/20 16:10	09/24/20 22:43	75-27-4	
Bromoform	ND	ug/kg	4.7	1	09/24/20 16:10	09/24/20 22:43	75-25-2	
Bromomethane	ND	ug/kg	4.7	1	09/24/20 16:10	09/24/20 22:43	74-83-9	
2-Butanone (MEK)	ND	ug/kg	9.4	1	09/24/20 16:10	09/24/20 22:43	78-93-3	
n-Butylbenzene	ND	ug/kg	4.7	1	09/24/20 16:10	09/24/20 22:43	104-51-8	
sec-Butylbenzene	ND	ug/kg	4.7	1	09/24/20 16:10	09/24/20 22:43	135-98-8	
tert-Butylbenzene	ND	ug/kg	23.6	1	09/24/20 16:10	09/24/20 22:43	98-06-6	
Carbon disulfide	ND	ug/kg	4.7	1	09/24/20 16:10	09/24/20 22:43	75-15-0	
Carbon tetrachloride	ND	ug/kg	4.7	1	09/24/20 16:10	09/24/20 22:43	56-23-5	
Chlorobenzene	ND	ug/kg	4.7	1	09/24/20 16:10	09/24/20 22:43	108-90-7	
Chloroethane	ND	ug/kg	4.7	1	09/24/20 16:10	09/24/20 22:43	75-00-3	
Chloroform	ND	ug/kg	4.7	1	09/24/20 16:10	09/24/20 22:43	67-66-3	
Chloromethane	ND	ug/kg	4.7	1	09/24/20 16:10	09/24/20 22:43	74-87-3	
2-Chlorotoluene	ND	ug/kg	4.7	1	09/24/20 16:10	09/24/20 22:43	95-49-8	
4-Chlorotoluene	ND	ug/kg	4.7	1	09/24/20 16:10	09/24/20 22:43	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/kg	9.4	1	09/24/20 16:10	09/24/20 22:43	96-12-8	
Dibromochloromethane	ND	ug/kg	4.7	1	09/24/20 16:10	09/24/20 22:43	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	4.7	1	09/24/20 16:10	09/24/20 22:43	106-93-4	
Dibromomethane	ND	ug/kg	4.7	1	09/24/20 16:10	09/24/20 22:43	74-95-3	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: PINE LAWN

Pace Project No.: 60349230

Sample: DPT-10-SO-(29-30) **Lab ID: 60349230002** Collected: 09/22/20 16:42 Received: 09/23/20 04:59 Matrix: Solid

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

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
8260 MSV 5035A VOA									
Analytical Method: EPA 8260B Preparation Method: EPA 5035A/5030									
Pace Analytical Services - Kansas City									
1,2-Dichlorobenzene	ND	ug/kg	4.7	1	09/24/20 16:10	09/24/20 22:43	95-50-1	SS	
1,3-Dichlorobenzene	ND	ug/kg	4.7	1	09/24/20 16:10	09/24/20 22:43	541-73-1		
1,4-Dichlorobenzene	ND	ug/kg	4.7	1	09/24/20 16:10	09/24/20 22:43	106-46-7		
Dichlorodifluoromethane	ND	ug/kg	4.7	1	09/24/20 16:10	09/24/20 22:43	75-71-8		
1,1-Dichloroethane	ND	ug/kg	4.7	1	09/24/20 16:10	09/24/20 22:43	75-34-3		
1,2-Dichloroethane	ND	ug/kg	4.7	1	09/24/20 16:10	09/24/20 22:43	107-06-2		
1,2-Dichloroethene (Total)	ND	ug/kg	4.7	1	09/24/20 16:10	09/24/20 22:43	540-59-0		
1,1-Dichloroethene	ND	ug/kg	4.7	1	09/24/20 16:10	09/24/20 22:43	75-35-4		
cis-1,2-Dichloroethene	ND	ug/kg	4.7	1	09/24/20 16:10	09/24/20 22:43	156-59-2		
trans-1,2-Dichloroethene	ND	ug/kg	4.7	1	09/24/20 16:10	09/24/20 22:43	156-60-5		
1,2-Dichloropropane	ND	ug/kg	4.7	1	09/24/20 16:10	09/24/20 22:43	78-87-5		
1,3-Dichloropropane	ND	ug/kg	4.7	1	09/24/20 16:10	09/24/20 22:43	142-28-9		
2,2-Dichloropropane	ND	ug/kg	4.7	1	09/24/20 16:10	09/24/20 22:43	594-20-7		
1,1-Dichloropropene	ND	ug/kg	4.7	1	09/24/20 16:10	09/24/20 22:43	563-58-6		
cis-1,3-Dichloropropene	ND	ug/kg	4.7	1	09/24/20 16:10	09/24/20 22:43	10061-01-5		
trans-1,3-Dichloropropene	ND	ug/kg	4.7	1	09/24/20 16:10	09/24/20 22:43	10061-02-6		
Ethylbenzene	ND	ug/kg	4.7	1	09/24/20 16:10	09/24/20 22:43	100-41-4		
Hexachloro-1,3-butadiene	ND	ug/kg	4.7	1	09/24/20 16:10	09/24/20 22:43	87-68-3		
2-Hexanone	ND	ug/kg	18.9	1	09/24/20 16:10	09/24/20 22:43	591-78-6		
Isopropylbenzene (Cumene)	ND	ug/kg	4.7	1	09/24/20 16:10	09/24/20 22:43	98-82-8		
p-Isopropyltoluene	ND	ug/kg	4.7	1	09/24/20 16:10	09/24/20 22:43	99-87-6		
Methylene Chloride	ND	ug/kg	4.7	1	09/24/20 16:10	09/24/20 22:43	75-09-2		
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	9.4	1	09/24/20 16:10	09/24/20 22:43	108-10-1		
Methyl-tert-butyl ether	ND	ug/kg	4.7	1	09/24/20 16:10	09/24/20 22:43	1634-04-4		
Naphthalene	ND	ug/kg	9.4	1	09/24/20 16:10	09/24/20 22:43	91-20-3		
n-Propylbenzene	ND	ug/kg	4.7	1	09/24/20 16:10	09/24/20 22:43	103-65-1		
Styrene	ND	ug/kg	4.7	1	09/24/20 16:10	09/24/20 22:43	100-42-5		
1,1,1,2-Tetrachloroethane	ND	ug/kg	4.7	1	09/24/20 16:10	09/24/20 22:43	630-20-6		
1,1,2,2-Tetrachloroethane	ND	ug/kg	4.7	1	09/24/20 16:10	09/24/20 22:43	79-34-5		
Tetrachloroethene	ND	ug/kg	4.7	1	09/24/20 16:10	09/24/20 22:43	127-18-4		
Toluene	ND	ug/kg	4.7	1	09/24/20 16:10	09/24/20 22:43	108-88-3		
1,2,3-Trichlorobenzene	ND	ug/kg	4.7	1	09/24/20 16:10	09/24/20 22:43	87-61-6		
1,2,4-Trichlorobenzene	ND	ug/kg	4.7	1	09/24/20 16:10	09/24/20 22:43	120-82-1		
1,1,1-Trichloroethane	ND	ug/kg	4.7	1	09/24/20 16:10	09/24/20 22:43	71-55-6		
1,1,2-Trichloroethane	ND	ug/kg	4.7	1	09/24/20 16:10	09/24/20 22:43	79-00-5		
Trichloroethene	ND	ug/kg	4.7	1	09/24/20 16:10	09/24/20 22:43	79-01-6		
Trichlorofluoromethane	ND	ug/kg	4.7	1	09/24/20 16:10	09/24/20 22:43	75-69-4		
1,2,3-Trichloropropane	ND	ug/kg	4.7	1	09/24/20 16:10	09/24/20 22:43	96-18-4		
1,2,4-Trimethylbenzene	ND	ug/kg	4.7	1	09/24/20 16:10	09/24/20 22:43	95-63-6		
1,3,5-Trimethylbenzene	ND	ug/kg	4.7	1	09/24/20 16:10	09/24/20 22:43	108-67-8		
Vinyl chloride	ND	ug/kg	4.7	1	09/24/20 16:10	09/24/20 22:43	75-01-4		
Xylene (Total)	ND	ug/kg	4.7	1	09/24/20 16:10	09/24/20 22:43	1330-20-7		
Surrogates									
Toluene-d8 (S)	100	%	80-120	1	09/24/20 16:10	09/24/20 22:43	2037-26-5		
4-Bromofluorobenzene (S)	97	%	85-115	1	09/24/20 16:10	09/24/20 22:43	460-00-4		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: PINE LAWN

Pace Project No.: 60349230

Sample: DPT-10-SO-(29-30) **Lab ID:** 60349230002 Collected: 09/22/20 16:42 Received: 09/23/20 04:59 Matrix: Solid

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

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035A VOA								
Analytical Method: EPA 8260B Preparation Method: EPA 5035A/5030								
Pace Analytical Services - Kansas City								
Surrogates								
1,2-Dichloroethane-d4 (S)	108	%	78-118	1	09/24/20 16:10	09/24/20 22:43	17060-07-0	
8260 MSV GRO and Oxygenates								
Analytical Method: EPA 8260 Preparation Method: EPA 5035								
Pace Analytical Services - Kansas City								
TPH-GRO	ND	mg/kg	0.47	1	09/24/20 16:10	09/24/20 22:43		
Surrogates								
Toluene-d8 (S)	100	%	78-122	1	09/24/20 16:10	09/24/20 22:43	2037-26-5	
4-Bromofluorobenzene (S)	97	%	69-133	1	09/24/20 16:10	09/24/20 22:43	460-00-4	
1,2-Dichloroethane-d4 (S)	108	%	80-123	1	09/24/20 16:10	09/24/20 22:43	17060-07-0	
Percent Moisture								
Analytical Method: ASTM D2974								
Pace Analytical Services - Kansas City								
Percent Moisture	16.2	%	0.50	1		09/24/20 15:46		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: PINE LAWN

Pace Project No.: 60349230

Sample: PINE LAWN-SO-TB4 **Lab ID: 60349230003** Collected: 09/22/20 17:30 Received: 09/23/20 04:59 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035A VOA		Analytical Method: EPA 8260B Preparation Method: EPA 5035A/5030 Pace Analytical Services - Kansas City						
Acetone	ND	ug/kg	20.0	1	09/24/20 16:10	09/24/20 21:57	67-64-1	
Benzene	ND	ug/kg	5.0	1	09/24/20 16:10	09/24/20 21:57	71-43-2	
Bromobenzene	ND	ug/kg	5.0	1	09/24/20 16:10	09/24/20 21:57	108-86-1	
Bromochloromethane	ND	ug/kg	5.0	1	09/24/20 16:10	09/24/20 21:57	74-97-5	
Bromodichloromethane	ND	ug/kg	5.0	1	09/24/20 16:10	09/24/20 21:57	75-27-4	
Bromoform	ND	ug/kg	5.0	1	09/24/20 16:10	09/24/20 21:57	75-25-2	
Bromomethane	ND	ug/kg	5.0	1	09/24/20 16:10	09/24/20 21:57	74-83-9	
2-Butanone (MEK)	ND	ug/kg	10.0	1	09/24/20 16:10	09/24/20 21:57	78-93-3	
n-Butylbenzene	ND	ug/kg	5.0	1	09/24/20 16:10	09/24/20 21:57	104-51-8	
sec-Butylbenzene	ND	ug/kg	5.0	1	09/24/20 16:10	09/24/20 21:57	135-98-8	
tert-Butylbenzene	ND	ug/kg	25.0	1	09/24/20 16:10	09/24/20 21:57	98-06-6	
Carbon disulfide	ND	ug/kg	5.0	1	09/24/20 16:10	09/24/20 21:57	75-15-0	
Carbon tetrachloride	ND	ug/kg	5.0	1	09/24/20 16:10	09/24/20 21:57	56-23-5	
Chlorobenzene	ND	ug/kg	5.0	1	09/24/20 16:10	09/24/20 21:57	108-90-7	
Chloroethane	ND	ug/kg	5.0	1	09/24/20 16:10	09/24/20 21:57	75-00-3	
Chloroform	ND	ug/kg	5.0	1	09/24/20 16:10	09/24/20 21:57	67-66-3	
Chloromethane	ND	ug/kg	5.0	1	09/24/20 16:10	09/24/20 21:57	74-87-3	
2-Chlorotoluene	ND	ug/kg	5.0	1	09/24/20 16:10	09/24/20 21:57	95-49-8	
4-Chlorotoluene	ND	ug/kg	5.0	1	09/24/20 16:10	09/24/20 21:57	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/kg	10.0	1	09/24/20 16:10	09/24/20 21:57	96-12-8	
Dibromochloromethane	ND	ug/kg	5.0	1	09/24/20 16:10	09/24/20 21:57	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	5.0	1	09/24/20 16:10	09/24/20 21:57	106-93-4	
Dibromomethane	ND	ug/kg	5.0	1	09/24/20 16:10	09/24/20 21:57	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	5.0	1	09/24/20 16:10	09/24/20 21:57	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	5.0	1	09/24/20 16:10	09/24/20 21:57	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	5.0	1	09/24/20 16:10	09/24/20 21:57	106-46-7	
Dichlorodifluoromethane	ND	ug/kg	5.0	1	09/24/20 16:10	09/24/20 21:57	75-71-8	SS
1,1-Dichloroethane	ND	ug/kg	5.0	1	09/24/20 16:10	09/24/20 21:57	75-34-3	
1,2-Dichloroethane	ND	ug/kg	5.0	1	09/24/20 16:10	09/24/20 21:57	107-06-2	
1,2-Dichloroethene (Total)	ND	ug/kg	5.0	1	09/24/20 16:10	09/24/20 21:57	540-59-0	
1,1-Dichloroethene	ND	ug/kg	5.0	1	09/24/20 16:10	09/24/20 21:57	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	5.0	1	09/24/20 16:10	09/24/20 21:57	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	5.0	1	09/24/20 16:10	09/24/20 21:57	156-60-5	
1,2-Dichloropropane	ND	ug/kg	5.0	1	09/24/20 16:10	09/24/20 21:57	78-87-5	
1,3-Dichloropropane	ND	ug/kg	5.0	1	09/24/20 16:10	09/24/20 21:57	142-28-9	
2,2-Dichloropropane	ND	ug/kg	5.0	1	09/24/20 16:10	09/24/20 21:57	594-20-7	
1,1-Dichloropropene	ND	ug/kg	5.0	1	09/24/20 16:10	09/24/20 21:57	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	5.0	1	09/24/20 16:10	09/24/20 21:57	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	5.0	1	09/24/20 16:10	09/24/20 21:57	10061-02-6	
Ethylbenzene	ND	ug/kg	5.0	1	09/24/20 16:10	09/24/20 21:57	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/kg	5.0	1	09/24/20 16:10	09/24/20 21:57	87-68-3	
2-Hexanone	ND	ug/kg	20.0	1	09/24/20 16:10	09/24/20 21:57	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/kg	5.0	1	09/24/20 16:10	09/24/20 21:57	98-82-8	
p-Isopropyltoluene	ND	ug/kg	5.0	1	09/24/20 16:10	09/24/20 21:57	99-87-6	
Methylene Chloride	ND	ug/kg	5.0	1	09/24/20 16:10	09/24/20 21:57	75-09-2	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: PINE LAWN

Pace Project No.: 60349230

Sample: PINE LAWN-SO-TB4 **Lab ID: 60349230003** Collected: 09/22/20 17:30 Received: 09/23/20 04:59 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035A VOA								
Analytical Method: EPA 8260B Preparation Method: EPA 5035A/5030								
Pace Analytical Services - Kansas City								
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	10.0	1	09/24/20 16:10	09/24/20 21:57	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	5.0	1	09/24/20 16:10	09/24/20 21:57	1634-04-4	
Naphthalene	ND	ug/kg	10.0	1	09/24/20 16:10	09/24/20 21:57	91-20-3	
n-Propylbenzene	ND	ug/kg	5.0	1	09/24/20 16:10	09/24/20 21:57	103-65-1	
Styrene	ND	ug/kg	5.0	1	09/24/20 16:10	09/24/20 21:57	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	5.0	1	09/24/20 16:10	09/24/20 21:57	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	5.0	1	09/24/20 16:10	09/24/20 21:57	79-34-5	
Tetrachloroethene	ND	ug/kg	5.0	1	09/24/20 16:10	09/24/20 21:57	127-18-4	
Toluene	9.2	ug/kg	5.0	1	09/24/20 16:10	09/24/20 21:57	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	5.0	1	09/24/20 16:10	09/24/20 21:57	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	5.0	1	09/24/20 16:10	09/24/20 21:57	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	5.0	1	09/24/20 16:10	09/24/20 21:57	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	5.0	1	09/24/20 16:10	09/24/20 21:57	79-00-5	
Trichloroethene	ND	ug/kg	5.0	1	09/24/20 16:10	09/24/20 21:57	79-01-6	
Trichlorofluoromethane	ND	ug/kg	5.0	1	09/24/20 16:10	09/24/20 21:57	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	5.0	1	09/24/20 16:10	09/24/20 21:57	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/kg	5.0	1	09/24/20 16:10	09/24/20 21:57	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	5.0	1	09/24/20 16:10	09/24/20 21:57	108-67-8	
Vinyl chloride	ND	ug/kg	5.0	1	09/24/20 16:10	09/24/20 21:57	75-01-4	
Xylene (Total)	ND	ug/kg	5.0	1	09/24/20 16:10	09/24/20 21:57	1330-20-7	
Surrogates								
Toluene-d8 (S)	103	%	80-120	1	09/24/20 16:10	09/24/20 21:57	2037-26-5	
4-Bromofluorobenzene (S)	98	%	85-115	1	09/24/20 16:10	09/24/20 21:57	460-00-4	
1,2-Dichloroethane-d4 (S)	96	%	78-118	1	09/24/20 16:10	09/24/20 21:57	17060-07-0	

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ANALYTICAL RESULTS

Project: PINE LAWN

Pace Project No.: 60349230

Sample: DPT-11-SO-(2-3) **Lab ID:** 60349230004 **Collected:** 09/22/20 17:41 **Received:** 09/23/20 04:59 **Matrix:** Solid

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

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8082 GCS PCB SW								
Analytical Method: EPA 8082 Preparation Method: EPA 3546								
Pace Analytical Services - Kansas City								
PCB-1016 (Aroclor 1016)	ND	ug/kg	36.0	1	09/29/20 15:19	10/01/20 20:03	12674-11-2	
PCB-1221 (Aroclor 1221)	ND	ug/kg	36.0	1	09/29/20 15:19	10/01/20 20:03	11104-28-2	
PCB-1232 (Aroclor 1232)	ND	ug/kg	36.0	1	09/29/20 15:19	10/01/20 20:03	11141-16-5	
PCB-1242 (Aroclor 1242)	ND	ug/kg	36.0	1	09/29/20 15:19	10/01/20 20:03	53469-21-9	
PCB-1248 (Aroclor 1248)	ND	ug/kg	36.0	1	09/29/20 15:19	10/01/20 20:03	12672-29-6	
PCB-1254 (Aroclor 1254)	ND	ug/kg	36.0	1	09/29/20 15:19	10/01/20 20:03	11097-69-1	
PCB-1260 (Aroclor 1260)	ND	ug/kg	36.0	1	09/29/20 15:19	10/01/20 20:03	11096-82-5	
Surrogates								
Decachlorobiphenyl (S)	87	%	28-143	1	09/29/20 15:19	10/01/20 20:03	2051-24-3	
6010 MET ICP Red. Interference								
Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Pace Analytical Services - Kansas City								
Arsenic	11.7	mg/kg	0.97	1	10/02/20 10:03	10/05/20 13:49	7440-38-2	
Barium	179	mg/kg	0.48	1	10/02/20 10:03	10/05/20 13:49	7440-39-3	
Cadmium	ND	mg/kg	0.48	1	10/02/20 10:03	10/05/20 13:49	7440-43-9	
Chromium	25.3	mg/kg	0.48	1	10/02/20 10:03	10/05/20 13:49	7440-47-3	
Lead	29.5	mg/kg	0.97	1	10/02/20 10:03	10/05/20 13:49	7439-92-1	
Selenium	ND	mg/kg	1.5	1	10/02/20 10:03	10/05/20 13:49	7782-49-2	
Silver	ND	mg/kg	0.68	1	10/02/20 10:03	10/05/20 13:49	7440-22-4	
7471 Mercury								
Analytical Method: EPA 7471 Preparation Method: EPA 7471								
Pace Analytical Services - Kansas City								
Mercury	ND	mg/kg	0.046	1	09/30/20 18:07	10/01/20 12:40	7439-97-6	
8270 MSSV Semivolatiles								
Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Pace Analytical Services - Kansas City								
Acenaphthene	ND	ug/kg	363	1	09/27/20 13:01	09/29/20 22:52	83-32-9	
Acenaphthylene	ND	ug/kg	363	1	09/27/20 13:01	09/29/20 22:52	208-96-8	
Anthracene	ND	ug/kg	363	1	09/27/20 13:01	09/29/20 22:52	120-12-7	
Benzo(a)anthracene	367	ug/kg	363	1	09/27/20 13:01	09/29/20 22:52	56-55-3	
Benzo(a)pyrene	438	ug/kg	363	1	09/27/20 13:01	09/29/20 22:52	50-32-8	
Benzo(b)fluoranthene	620	ug/kg	363	1	09/27/20 13:01	09/29/20 22:52	205-99-2	
Benzo(g,h,i)perylene	ND	ug/kg	363	1	09/27/20 13:01	09/29/20 22:52	191-24-2	
Benzo(k)fluoranthene	ND	ug/kg	363	1	09/27/20 13:01	09/29/20 22:52	207-08-9	
Benzoic Acid	ND	ug/kg	1840	1	09/27/20 13:01	09/29/20 22:52	65-85-0	L1
Benzyl alcohol	ND	ug/kg	727	1	09/27/20 13:01	09/29/20 22:52	100-51-6	
4-Bromophenylphenyl ether	ND	ug/kg	363	1	09/27/20 13:01	09/29/20 22:52	101-55-3	
Butylbenzylphthalate	ND	ug/kg	363	1	09/27/20 13:01	09/29/20 22:52	85-68-7	
Carbazole	ND	ug/kg	363	1	09/27/20 13:01	09/29/20 22:52	86-74-8	
4-Chloro-3-methylphenol	ND	ug/kg	727	1	09/27/20 13:01	09/29/20 22:52	59-50-7	
4-Chloroaniline	ND	ug/kg	727	1	09/27/20 13:01	09/29/20 22:52	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/kg	363	1	09/27/20 13:01	09/29/20 22:52	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/kg	363	1	09/27/20 13:01	09/29/20 22:52	111-44-4	
bis(2-Chloroisopropyl) ether	ND	ug/kg	363	1	09/27/20 13:01	09/29/20 22:52	108-60-1	
2-Chloronaphthalene	ND	ug/kg	363	1	09/27/20 13:01	09/29/20 22:52	91-58-7	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: PINE LAWN

Pace Project No.: 60349230

Sample: DPT-11-SO-(2-3) Lab ID: 60349230004 Collected: 09/22/20 17:41 Received: 09/23/20 04:59 Matrix: Solid

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

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Semivolatiles		Analytical Method: EPA 8270 Preparation Method: EPA 3546 Pace Analytical Services - Kansas City						
2-Chlorophenol	ND	ug/kg	363	1	09/27/20 13:01	09/29/20 22:52	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/kg	363	1	09/27/20 13:01	09/29/20 22:52	7005-72-3	
Chrysene	366	ug/kg	363	1	09/27/20 13:01	09/29/20 22:52	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	363	1	09/27/20 13:01	09/29/20 22:52	53-70-3	
Dibenzofuran	ND	ug/kg	363	1	09/27/20 13:01	09/29/20 22:52	132-64-9	
1,2-Dichlorobenzene	ND	ug/kg	363	1	09/27/20 13:01	09/29/20 22:52	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	363	1	09/27/20 13:01	09/29/20 22:52	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	363	1	09/27/20 13:01	09/29/20 22:52	106-46-7	
3,3'-Dichlorobenzidine	ND	ug/kg	727	1	09/27/20 13:01	09/29/20 22:52	91-94-1	
2,4-Dichlorophenol	ND	ug/kg	363	1	09/27/20 13:01	09/29/20 22:52	120-83-2	
Diethylphthalate	ND	ug/kg	363	1	09/27/20 13:01	09/29/20 22:52	84-66-2	
2,4-Dimethylphenol	ND	ug/kg	363	1	09/27/20 13:01	09/29/20 22:52	105-67-9	
Dimethylphthalate	ND	ug/kg	363	1	09/27/20 13:01	09/29/20 22:52	131-11-3	
Di-n-butylphthalate	ND	ug/kg	363	1	09/27/20 13:01	09/29/20 22:52	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/kg	1840	1	09/27/20 13:01	09/29/20 22:52	534-52-1	
2,4-Dinitrophenol	ND	ug/kg	1840	1	09/27/20 13:01	09/29/20 22:52	51-28-5	
2,4-Dinitrotoluene	ND	ug/kg	363	1	09/27/20 13:01	09/29/20 22:52	121-14-2	
2,6-Dinitrotoluene	ND	ug/kg	363	1	09/27/20 13:01	09/29/20 22:52	606-20-2	
Di-n-octylphthalate	ND	ug/kg	363	1	09/27/20 13:01	09/29/20 22:52	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/kg	363	1	09/27/20 13:01	09/29/20 22:52	117-81-7	
Fluoranthene	684	ug/kg	363	1	09/27/20 13:01	09/29/20 22:52	206-44-0	
Fluorene	ND	ug/kg	363	1	09/27/20 13:01	09/29/20 22:52	86-73-7	
Hexachloro-1,3-butadiene	ND	ug/kg	363	1	09/27/20 13:01	09/29/20 22:52	87-68-3	
Hexachlorobenzene	ND	ug/kg	363	1	09/27/20 13:01	09/29/20 22:52	118-74-1	
Hexachlorocyclopentadiene	ND	ug/kg	363	1	09/27/20 13:01	09/29/20 22:52	77-47-4	
Hexachloroethane	ND	ug/kg	363	1	09/27/20 13:01	09/29/20 22:52	67-72-1	
Indeno(1,2,3-cd)pyrene	ND	ug/kg	363	1	09/27/20 13:01	09/29/20 22:52	193-39-5	
Isophorone	ND	ug/kg	363	1	09/27/20 13:01	09/29/20 22:52	78-59-1	
2-Methylnaphthalene	ND	ug/kg	363	1	09/27/20 13:01	09/29/20 22:52	91-57-6	
2-Methylphenol(o-Cresol)	ND	ug/kg	363	1	09/27/20 13:01	09/29/20 22:52	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/kg	363	1	09/27/20 13:01	09/29/20 22:52	15831-10-4	
Naphthalene	ND	ug/kg	363	1	09/27/20 13:01	09/29/20 22:52	91-20-3	
2-Nitroaniline	ND	ug/kg	727	1	09/27/20 13:01	09/29/20 22:52	88-74-4	
3-Nitroaniline	ND	ug/kg	727	1	09/27/20 13:01	09/29/20 22:52	99-09-2	
4-Nitroaniline	ND	ug/kg	727	1	09/27/20 13:01	09/29/20 22:52	100-01-6	
Nitrobenzene	ND	ug/kg	363	1	09/27/20 13:01	09/29/20 22:52	98-95-3	
2-Nitrophenol	ND	ug/kg	363	1	09/27/20 13:01	09/29/20 22:52	88-75-5	
4-Nitrophenol	ND	ug/kg	1840	1	09/27/20 13:01	09/29/20 22:52	100-02-7	
N-Nitroso-di-n-propylamine	ND	ug/kg	363	1	09/27/20 13:01	09/29/20 22:52	621-64-7	
N-Nitrosodiphenylamine	ND	ug/kg	363	1	09/27/20 13:01	09/29/20 22:52	86-30-6	
Pentachlorophenol	ND	ug/kg	1840	1	09/27/20 13:01	09/29/20 22:52	87-86-5	
Phenanthrene	ND	ug/kg	363	1	09/27/20 13:01	09/29/20 22:52	85-01-8	
Phenol	ND	ug/kg	363	1	09/27/20 13:01	09/29/20 22:52	108-95-2	
Pyrene	647	ug/kg	363	1	09/27/20 13:01	09/29/20 22:52	129-00-0	
Pyridine	ND	ug/kg	363	1	09/27/20 13:01	09/29/20 22:52	110-86-1	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: PINE LAWN

Pace Project No.: 60349230

Sample: DPT-11-SO-(2-3) Lab ID: 60349230004 Collected: 09/22/20 17:41 Received: 09/23/20 04:59 Matrix: Solid

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

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
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8270 MSSV Semivolatiles

Analytical Method: EPA 8270 Preparation Method: EPA 3546

Pace Analytical Services - Kansas City

1,2,4-Trichlorobenzene	ND	ug/kg	363	1	09/27/20 13:01	09/29/20 22:52	120-82-1	
2,4,5-Trichlorophenol	ND	ug/kg	363	1	09/27/20 13:01	09/29/20 22:52	95-95-4	
2,4,6-Trichlorophenol	ND	ug/kg	363	1	09/27/20 13:01	09/29/20 22:52	88-06-2	
Surrogates								
Nitrobenzene-d5 (S)	68	%	33-132	1	09/27/20 13:01	09/29/20 22:52	4165-60-0	
2-Fluorobiphenyl (S)	72	%	39-136	1	09/27/20 13:01	09/29/20 22:52	321-60-8	
Terphenyl-d14 (S)	75	%	29-131	1	09/27/20 13:01	09/29/20 22:52	1718-51-0	
Phenol-d6 (S)	61	%	43-95	1	09/27/20 13:01	09/29/20 22:52	13127-88-3	
2-Fluorophenol (S)	59	%	43-96	1	09/27/20 13:01	09/29/20 22:52	367-12-4	
2,4,6-Tribromophenol (S)	65	%	41-108	1	09/27/20 13:01	09/29/20 22:52	118-79-6	

8270 MSSV DRO/ORO

Analytical Method: EPA 8270 Preparation Method: EPA 3546

Pace Analytical Services - Kansas City

TPH-ORO	1070	mg/kg	423	10	09/25/20 15:43	10/01/20 19:18		
TPH-DRO	ND	mg/kg	423	10	09/25/20 15:43	10/01/20 19:18		
Surrogates								
Nitrobenzene-d5 (S)	0	%	33-132	10	09/25/20 15:43	10/01/20 19:18	4165-60-0	D3,P3
2-Fluorobiphenyl (S)	0	%	39-136	10	09/25/20 15:43	10/01/20 19:18	321-60-8	
Terphenyl-d14 (S)	0	%	29-131	10	09/25/20 15:43	10/01/20 19:18	1718-51-0	

8260 MSV 5035A VOA

Analytical Method: EPA 8260B Preparation Method: EPA 5035A/5030

Pace Analytical Services - Kansas City

Acetone	50.7	ug/kg	17.3	1	09/24/20 16:10	09/24/20 22:59	67-64-1	
Benzene	ND	ug/kg	4.3	1	09/24/20 16:10	09/24/20 22:59	71-43-2	
Bromobenzene	ND	ug/kg	4.3	1	09/24/20 16:10	09/24/20 22:59	108-86-1	
Bromochloromethane	ND	ug/kg	4.3	1	09/24/20 16:10	09/24/20 22:59	74-97-5	
Bromodichloromethane	ND	ug/kg	4.3	1	09/24/20 16:10	09/24/20 22:59	75-27-4	
Bromoform	ND	ug/kg	4.3	1	09/24/20 16:10	09/24/20 22:59	75-25-2	
Bromomethane	ND	ug/kg	4.3	1	09/24/20 16:10	09/24/20 22:59	74-83-9	
2-Butanone (MEK)	ND	ug/kg	8.6	1	09/24/20 16:10	09/24/20 22:59	78-93-3	
n-Butylbenzene	ND	ug/kg	4.3	1	09/24/20 16:10	09/24/20 22:59	104-51-8	
sec-Butylbenzene	ND	ug/kg	4.3	1	09/24/20 16:10	09/24/20 22:59	135-98-8	
tert-Butylbenzene	ND	ug/kg	21.6	1	09/24/20 16:10	09/24/20 22:59	98-06-6	
Carbon disulfide	ND	ug/kg	4.3	1	09/24/20 16:10	09/24/20 22:59	75-15-0	
Carbon tetrachloride	ND	ug/kg	4.3	1	09/24/20 16:10	09/24/20 22:59	56-23-5	
Chlorobenzene	ND	ug/kg	4.3	1	09/24/20 16:10	09/24/20 22:59	108-90-7	
Chloroethane	ND	ug/kg	4.3	1	09/24/20 16:10	09/24/20 22:59	75-00-3	
Chloroform	ND	ug/kg	4.3	1	09/24/20 16:10	09/24/20 22:59	67-66-3	
Chloromethane	ND	ug/kg	4.3	1	09/24/20 16:10	09/24/20 22:59	74-87-3	
2-Chlorotoluene	ND	ug/kg	4.3	1	09/24/20 16:10	09/24/20 22:59	95-49-8	
4-Chlorotoluene	ND	ug/kg	4.3	1	09/24/20 16:10	09/24/20 22:59	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/kg	8.6	1	09/24/20 16:10	09/24/20 22:59	96-12-8	
Dibromochloromethane	ND	ug/kg	4.3	1	09/24/20 16:10	09/24/20 22:59	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	4.3	1	09/24/20 16:10	09/24/20 22:59	106-93-4	
Dibromomethane	ND	ug/kg	4.3	1	09/24/20 16:10	09/24/20 22:59	74-95-3	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: PINE LAWN

Pace Project No.: 60349230

Sample: DPT-11-SO-(2-3) **Lab ID:** 60349230004 **Collected:** 09/22/20 17:41 **Received:** 09/23/20 04:59 **Matrix:** Solid

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

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035A VOA		Analytical Method: EPA 8260B Preparation Method: EPA 5035A/5030 Pace Analytical Services - Kansas City						
1,2-Dichlorobenzene	ND	ug/kg	4.3	1	09/24/20 16:10	09/24/20 22:59	95-50-1	SS
1,3-Dichlorobenzene	ND	ug/kg	4.3	1	09/24/20 16:10	09/24/20 22:59	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	4.3	1	09/24/20 16:10	09/24/20 22:59	106-46-7	
Dichlorodifluoromethane	ND	ug/kg	4.3	1	09/24/20 16:10	09/24/20 22:59	75-71-8	
1,1-Dichloroethane	ND	ug/kg	4.3	1	09/24/20 16:10	09/24/20 22:59	75-34-3	
1,2-Dichloroethane	ND	ug/kg	4.3	1	09/24/20 16:10	09/24/20 22:59	107-06-2	
1,2-Dichloroethene (Total)	ND	ug/kg	4.3	1	09/24/20 16:10	09/24/20 22:59	540-59-0	
1,1-Dichloroethene	ND	ug/kg	4.3	1	09/24/20 16:10	09/24/20 22:59	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	4.3	1	09/24/20 16:10	09/24/20 22:59	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	4.3	1	09/24/20 16:10	09/24/20 22:59	156-60-5	
1,2-Dichloropropane	ND	ug/kg	4.3	1	09/24/20 16:10	09/24/20 22:59	78-87-5	
1,3-Dichloropropane	ND	ug/kg	4.3	1	09/24/20 16:10	09/24/20 22:59	142-28-9	
2,2-Dichloropropane	ND	ug/kg	4.3	1	09/24/20 16:10	09/24/20 22:59	594-20-7	
1,1-Dichloropropene	ND	ug/kg	4.3	1	09/24/20 16:10	09/24/20 22:59	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	4.3	1	09/24/20 16:10	09/24/20 22:59	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	4.3	1	09/24/20 16:10	09/24/20 22:59	10061-02-6	
Ethylbenzene	ND	ug/kg	4.3	1	09/24/20 16:10	09/24/20 22:59	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/kg	4.3	1	09/24/20 16:10	09/24/20 22:59	87-68-3	
2-Hexanone	ND	ug/kg	17.3	1	09/24/20 16:10	09/24/20 22:59	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/kg	4.3	1	09/24/20 16:10	09/24/20 22:59	98-82-8	
p-Isopropyltoluene	ND	ug/kg	4.3	1	09/24/20 16:10	09/24/20 22:59	99-87-6	
Methylene Chloride	ND	ug/kg	4.3	1	09/24/20 16:10	09/24/20 22:59	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	8.6	1	09/24/20 16:10	09/24/20 22:59	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	4.3	1	09/24/20 16:10	09/24/20 22:59	1634-04-4	
Naphthalene	ND	ug/kg	8.6	1	09/24/20 16:10	09/24/20 22:59	91-20-3	
n-Propylbenzene	ND	ug/kg	4.3	1	09/24/20 16:10	09/24/20 22:59	103-65-1	
Styrene	ND	ug/kg	4.3	1	09/24/20 16:10	09/24/20 22:59	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	4.3	1	09/24/20 16:10	09/24/20 22:59	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	4.3	1	09/24/20 16:10	09/24/20 22:59	79-34-5	
Tetrachloroethene	ND	ug/kg	4.3	1	09/24/20 16:10	09/24/20 22:59	127-18-4	
Toluene	ND	ug/kg	4.3	1	09/24/20 16:10	09/24/20 22:59	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	4.3	1	09/24/20 16:10	09/24/20 22:59	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	4.3	1	09/24/20 16:10	09/24/20 22:59	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	4.3	1	09/24/20 16:10	09/24/20 22:59	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	4.3	1	09/24/20 16:10	09/24/20 22:59	79-00-5	
Trichloroethene	ND	ug/kg	4.3	1	09/24/20 16:10	09/24/20 22:59	79-01-6	
Trichlorofluoromethane	ND	ug/kg	4.3	1	09/24/20 16:10	09/24/20 22:59	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	4.3	1	09/24/20 16:10	09/24/20 22:59	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/kg	4.3	1	09/24/20 16:10	09/24/20 22:59	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	4.3	1	09/24/20 16:10	09/24/20 22:59	108-67-8	
Vinyl chloride	ND	ug/kg	4.3	1	09/24/20 16:10	09/24/20 22:59	75-01-4	
Xylene (Total)	ND	ug/kg	4.3	1	09/24/20 16:10	09/24/20 22:59	1330-20-7	
Surrogates								
Toluene-d8 (S)	101	%	80-120	1	09/24/20 16:10	09/24/20 22:59	2037-26-5	
4-Bromofluorobenzene (S)	98	%	85-115	1	09/24/20 16:10	09/24/20 22:59	460-00-4	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: PINE LAWN

Pace Project No.: 60349230

Sample: DPT-11-SO-(2-3) **Lab ID:** 60349230004 Collected: 09/22/20 17:41 Received: 09/23/20 04:59 Matrix: Solid

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

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035A VOA								
Analytical Method: EPA 8260B Preparation Method: EPA 5035A/5030								
Pace Analytical Services - Kansas City								
Surrogates								
1,2-Dichloroethane-d4 (S)	107	%	78-118	1	09/24/20 16:10	09/24/20 22:59	17060-07-0	
8260 MSV GRO and Oxygenates								
Analytical Method: EPA 8260 Preparation Method: EPA 5035								
Pace Analytical Services - Kansas City								
TPH-GRO	ND	mg/kg	0.43	1	09/24/20 16:10	09/24/20 22:59		
Surrogates								
Toluene-d8 (S)	101	%	78-122	1	09/24/20 16:10	09/24/20 22:59	2037-26-5	
4-Bromofluorobenzene (S)	98	%	69-133	1	09/24/20 16:10	09/24/20 22:59	460-00-4	
1,2-Dichloroethane-d4 (S)	107	%	80-123	1	09/24/20 16:10	09/24/20 22:59	17060-07-0	
Percent Moisture								
Analytical Method: ASTM D2974								
Pace Analytical Services - Kansas City								
Percent Moisture	14.0	%	0.50	1		09/24/20 15:46		

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ANALYTICAL RESULTS

Project: PINE LAWN

Pace Project No.: 60349230

Sample: DPT-11-SO-(12-13) **Lab ID:** 60349230005 **Collected:** 09/22/20 17:51 **Received:** 09/23/20 04:59 **Matrix:** Solid

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

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8082 GCS PCB SW								
Analytical Method: EPA 8082 Preparation Method: EPA 3546								
Pace Analytical Services - Kansas City								
PCB-1016 (Aroclor 1016)	ND	ug/kg	42.4	1	09/29/20 15:19	10/01/20 20:21	12674-11-2	
PCB-1221 (Aroclor 1221)	ND	ug/kg	42.4	1	09/29/20 15:19	10/01/20 20:21	11104-28-2	
PCB-1232 (Aroclor 1232)	ND	ug/kg	42.4	1	09/29/20 15:19	10/01/20 20:21	11141-16-5	
PCB-1242 (Aroclor 1242)	ND	ug/kg	42.4	1	09/29/20 15:19	10/01/20 20:21	53469-21-9	
PCB-1248 (Aroclor 1248)	ND	ug/kg	42.4	1	09/29/20 15:19	10/01/20 20:21	12672-29-6	
PCB-1254 (Aroclor 1254)	ND	ug/kg	42.4	1	09/29/20 15:19	10/01/20 20:21	11097-69-1	
PCB-1260 (Aroclor 1260)	ND	ug/kg	42.4	1	09/29/20 15:19	10/01/20 20:21	11096-82-5	
Surrogates								
Decachlorobiphenyl (S)	86	%	28-143	1	09/29/20 15:19	10/01/20 20:21	2051-24-3	
6010 MET ICP Red. Interference								
Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Pace Analytical Services - Kansas City								
Arsenic	9.9	mg/kg	1.2	1	10/02/20 10:03	10/05/20 13:52	7440-38-2	
Barium	272	mg/kg	0.60	1	10/02/20 10:03	10/05/20 13:52	7440-39-3	
Cadmium	ND	mg/kg	0.60	1	10/02/20 10:03	10/05/20 13:52	7440-43-9	
Chromium	23.7	mg/kg	0.60	1	10/02/20 10:03	10/05/20 13:52	7440-47-3	
Lead	20.5	mg/kg	1.2	1	10/02/20 10:03	10/05/20 13:52	7439-92-1	
Selenium	ND	mg/kg	1.8	1	10/02/20 10:03	10/05/20 13:52	7782-49-2	
Silver	ND	mg/kg	0.85	1	10/02/20 10:03	10/05/20 13:52	7440-22-4	
7471 Mercury								
Analytical Method: EPA 7471 Preparation Method: EPA 7471								
Pace Analytical Services - Kansas City								
Mercury	ND	mg/kg	0.063	1	09/30/20 18:07	10/01/20 12:47	7439-97-6	
8270 MSSV Semivolatiles								
Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Pace Analytical Services - Kansas City								
Acenaphthene	ND	ug/kg	425	1	09/27/20 13:01	09/29/20 23:13	83-32-9	
Acenaphthylene	ND	ug/kg	425	1	09/27/20 13:01	09/29/20 23:13	208-96-8	
Anthracene	ND	ug/kg	425	1	09/27/20 13:01	09/29/20 23:13	120-12-7	
Benzo(a)anthracene	ND	ug/kg	425	1	09/27/20 13:01	09/29/20 23:13	56-55-3	
Benzo(a)pyrene	ND	ug/kg	425	1	09/27/20 13:01	09/29/20 23:13	50-32-8	
Benzo(b)fluoranthene	ND	ug/kg	425	1	09/27/20 13:01	09/29/20 23:13	205-99-2	
Benzo(g,h,i)perylene	ND	ug/kg	425	1	09/27/20 13:01	09/29/20 23:13	191-24-2	
Benzo(k)fluoranthene	ND	ug/kg	425	1	09/27/20 13:01	09/29/20 23:13	207-08-9	
Benzoic Acid	ND	ug/kg	2150	1	09/27/20 13:01	09/29/20 23:13	65-85-0	L1
Benzyl alcohol	ND	ug/kg	850	1	09/27/20 13:01	09/29/20 23:13	100-51-6	
4-Bromophenylphenyl ether	ND	ug/kg	425	1	09/27/20 13:01	09/29/20 23:13	101-55-3	
Butylbenzylphthalate	ND	ug/kg	425	1	09/27/20 13:01	09/29/20 23:13	85-68-7	
Carbazole	ND	ug/kg	425	1	09/27/20 13:01	09/29/20 23:13	86-74-8	
4-Chloro-3-methylphenol	ND	ug/kg	850	1	09/27/20 13:01	09/29/20 23:13	59-50-7	
4-Chloroaniline	ND	ug/kg	850	1	09/27/20 13:01	09/29/20 23:13	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/kg	425	1	09/27/20 13:01	09/29/20 23:13	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/kg	425	1	09/27/20 13:01	09/29/20 23:13	111-44-4	
bis(2-Chloroisopropyl) ether	ND	ug/kg	425	1	09/27/20 13:01	09/29/20 23:13	108-60-1	
2-Chloronaphthalene	ND	ug/kg	425	1	09/27/20 13:01	09/29/20 23:13	91-58-7	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: PINE LAWN

Pace Project No.: 60349230

Sample: DPT-11-SO-(12-13) **Lab ID: 60349230005** Collected: 09/22/20 17:51 Received: 09/23/20 04:59 Matrix: Solid

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

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Semivolatiles		Analytical Method: EPA 8270 Preparation Method: EPA 3546 Pace Analytical Services - Kansas City						
2-Chlorophenol	ND	ug/kg	425	1	09/27/20 13:01	09/29/20 23:13	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/kg	425	1	09/27/20 13:01	09/29/20 23:13	7005-72-3	
Chrysene	ND	ug/kg	425	1	09/27/20 13:01	09/29/20 23:13	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	425	1	09/27/20 13:01	09/29/20 23:13	53-70-3	
Dibenzofuran	ND	ug/kg	425	1	09/27/20 13:01	09/29/20 23:13	132-64-9	
1,2-Dichlorobenzene	ND	ug/kg	425	1	09/27/20 13:01	09/29/20 23:13	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	425	1	09/27/20 13:01	09/29/20 23:13	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	425	1	09/27/20 13:01	09/29/20 23:13	106-46-7	
3,3'-Dichlorobenzidine	ND	ug/kg	850	1	09/27/20 13:01	09/29/20 23:13	91-94-1	
2,4-Dichlorophenol	ND	ug/kg	425	1	09/27/20 13:01	09/29/20 23:13	120-83-2	
Diethylphthalate	ND	ug/kg	425	1	09/27/20 13:01	09/29/20 23:13	84-66-2	
2,4-Dimethylphenol	ND	ug/kg	425	1	09/27/20 13:01	09/29/20 23:13	105-67-9	
Dimethylphthalate	ND	ug/kg	425	1	09/27/20 13:01	09/29/20 23:13	131-11-3	
Di-n-butylphthalate	ND	ug/kg	425	1	09/27/20 13:01	09/29/20 23:13	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/kg	2150	1	09/27/20 13:01	09/29/20 23:13	534-52-1	
2,4-Dinitrophenol	ND	ug/kg	2150	1	09/27/20 13:01	09/29/20 23:13	51-28-5	
2,4-Dinitrotoluene	ND	ug/kg	425	1	09/27/20 13:01	09/29/20 23:13	121-14-2	
2,6-Dinitrotoluene	ND	ug/kg	425	1	09/27/20 13:01	09/29/20 23:13	606-20-2	
Di-n-octylphthalate	ND	ug/kg	425	1	09/27/20 13:01	09/29/20 23:13	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/kg	425	1	09/27/20 13:01	09/29/20 23:13	117-81-7	
Fluoranthene	ND	ug/kg	425	1	09/27/20 13:01	09/29/20 23:13	206-44-0	
Fluorene	ND	ug/kg	425	1	09/27/20 13:01	09/29/20 23:13	86-73-7	
Hexachloro-1,3-butadiene	ND	ug/kg	425	1	09/27/20 13:01	09/29/20 23:13	87-68-3	
Hexachlorobenzene	ND	ug/kg	425	1	09/27/20 13:01	09/29/20 23:13	118-74-1	
Hexachlorocyclopentadiene	ND	ug/kg	425	1	09/27/20 13:01	09/29/20 23:13	77-47-4	
Hexachloroethane	ND	ug/kg	425	1	09/27/20 13:01	09/29/20 23:13	67-72-1	
Indeno(1,2,3-cd)pyrene	ND	ug/kg	425	1	09/27/20 13:01	09/29/20 23:13	193-39-5	
Isophorone	ND	ug/kg	425	1	09/27/20 13:01	09/29/20 23:13	78-59-1	
2-Methylnaphthalene	799	ug/kg	425	1	09/27/20 13:01	09/29/20 23:13	91-57-6	
2-Methylphenol(o-Cresol)	ND	ug/kg	425	1	09/27/20 13:01	09/29/20 23:13	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/kg	425	1	09/27/20 13:01	09/29/20 23:13	15831-10-4	
Naphthalene	ND	ug/kg	425	1	09/27/20 13:01	09/29/20 23:13	91-20-3	
2-Nitroaniline	ND	ug/kg	850	1	09/27/20 13:01	09/29/20 23:13	88-74-4	
3-Nitroaniline	ND	ug/kg	850	1	09/27/20 13:01	09/29/20 23:13	99-09-2	
4-Nitroaniline	ND	ug/kg	850	1	09/27/20 13:01	09/29/20 23:13	100-01-6	
Nitrobenzene	ND	ug/kg	425	1	09/27/20 13:01	09/29/20 23:13	98-95-3	
2-Nitrophenol	ND	ug/kg	425	1	09/27/20 13:01	09/29/20 23:13	88-75-5	
4-Nitrophenol	ND	ug/kg	2150	1	09/27/20 13:01	09/29/20 23:13	100-02-7	
N-Nitroso-di-n-propylamine	ND	ug/kg	425	1	09/27/20 13:01	09/29/20 23:13	621-64-7	
N-Nitrosodiphenylamine	ND	ug/kg	425	1	09/27/20 13:01	09/29/20 23:13	86-30-6	
Pentachlorophenol	ND	ug/kg	2150	1	09/27/20 13:01	09/29/20 23:13	87-86-5	
Phenanthrene	ND	ug/kg	425	1	09/27/20 13:01	09/29/20 23:13	85-01-8	
Phenol	ND	ug/kg	425	1	09/27/20 13:01	09/29/20 23:13	108-95-2	
Pyrene	ND	ug/kg	425	1	09/27/20 13:01	09/29/20 23:13	129-00-0	
Pyridine	ND	ug/kg	425	1	09/27/20 13:01	09/29/20 23:13	110-86-1	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: PINE LAWN

Pace Project No.: 60349230

Sample: DPT-11-SO-(12-13) **Lab ID:** 60349230005 **Collected:** 09/22/20 17:51 **Received:** 09/23/20 04:59 **Matrix:** Solid

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

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Semivolatiles								
Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Pace Analytical Services - Kansas City								
1,2,4-Trichlorobenzene	ND	ug/kg	425	1	09/27/20 13:01	09/29/20 23:13	120-82-1	
2,4,5-Trichlorophenol	ND	ug/kg	425	1	09/27/20 13:01	09/29/20 23:13	95-95-4	
2,4,6-Trichlorophenol	ND	ug/kg	425	1	09/27/20 13:01	09/29/20 23:13	88-06-2	
Surrogates								
Nitrobenzene-d5 (S)	68	%	33-132	1	09/27/20 13:01	09/29/20 23:13	4165-60-0	
2-Fluorobiphenyl (S)	67	%	39-136	1	09/27/20 13:01	09/29/20 23:13	321-60-8	
Terphenyl-d14 (S)	73	%	29-131	1	09/27/20 13:01	09/29/20 23:13	1718-51-0	
Phenol-d6 (S)	61	%	43-95	1	09/27/20 13:01	09/29/20 23:13	13127-88-3	
2-Fluorophenol (S)	62	%	43-96	1	09/27/20 13:01	09/29/20 23:13	367-12-4	
2,4,6-Tribromophenol (S)	69	%	41-108	1	09/27/20 13:01	09/29/20 23:13	118-79-6	
8270 MSSV DRO/ORO								
Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Pace Analytical Services - Kansas City								
TPH-ORO	ND	mg/kg	19.5	1	09/25/20 15:43	10/01/20 19:37		
TPH-DRO	147	mg/kg	19.5	1	09/25/20 15:43	10/01/20 19:37		
Surrogates								
Nitrobenzene-d5 (S)	86	%	33-132	1	09/25/20 15:43	10/01/20 19:37	4165-60-0	
2-Fluorobiphenyl (S)	87	%	39-136	1	09/25/20 15:43	10/01/20 19:37	321-60-8	
Terphenyl-d14 (S)	100	%	29-131	1	09/25/20 15:43	10/01/20 19:37	1718-51-0	
8260 MSV 5035A VOA								
Analytical Method: EPA 8260B Preparation Method: EPA 5035A/5030B								
Pace Analytical Services - Kansas City								
Acetone	ND	ug/kg	681	1	09/28/20 13:22	09/29/20 02:21	67-64-1	
Benzene	ND	ug/kg	170	1	09/28/20 13:22	09/29/20 02:21	71-43-2	
Bromobenzene	ND	ug/kg	170	1	09/28/20 13:22	09/29/20 02:21	108-86-1	
Bromochloromethane	ND	ug/kg	170	1	09/28/20 13:22	09/29/20 02:21	74-97-5	
Bromodichloromethane	ND	ug/kg	170	1	09/28/20 13:22	09/29/20 02:21	75-27-4	
Bromoform	ND	ug/kg	170	1	09/28/20 13:22	09/29/20 02:21	75-25-2	
Bromomethane	ND	ug/kg	170	1	09/28/20 13:22	09/29/20 02:21	74-83-9	
2-Butanone (MEK)	ND	ug/kg	341	1	09/28/20 13:22	09/29/20 02:21	78-93-3	
n-Butylbenzene	554	ug/kg	170	1	09/28/20 13:22	09/29/20 02:21	104-51-8	
sec-Butylbenzene	318	ug/kg	170	1	09/28/20 13:22	09/29/20 02:21	135-98-8	
tert-Butylbenzene	ND	ug/kg	852	1	09/28/20 13:22	09/29/20 02:21	98-06-6	
Carbon disulfide	ND	ug/kg	170	1	09/28/20 13:22	09/29/20 02:21	75-15-0	
Carbon tetrachloride	ND	ug/kg	170	1	09/28/20 13:22	09/29/20 02:21	56-23-5	
Chlorobenzene	ND	ug/kg	170	1	09/28/20 13:22	09/29/20 02:21	108-90-7	
Chloroethane	ND	ug/kg	170	1	09/28/20 13:22	09/29/20 02:21	75-00-3	
Chloroform	ND	ug/kg	170	1	09/28/20 13:22	09/29/20 02:21	67-66-3	
Chloromethane	ND	ug/kg	170	1	09/28/20 13:22	09/29/20 02:21	74-87-3	
2-Chlorotoluene	ND	ug/kg	170	1	09/28/20 13:22	09/29/20 02:21	95-49-8	
4-Chlorotoluene	ND	ug/kg	170	1	09/28/20 13:22	09/29/20 02:21	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/kg	341	1	09/28/20 13:22	09/29/20 02:21	96-12-8	
Dibromochloromethane	ND	ug/kg	170	1	09/28/20 13:22	09/29/20 02:21	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	170	1	09/28/20 13:22	09/29/20 02:21	106-93-4	
Dibromomethane	ND	ug/kg	170	1	09/28/20 13:22	09/29/20 02:21	74-95-3	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: PINE LAWN

Pace Project No.: 60349230

Sample: DPT-11-SO-(12-13) **Lab ID:** 60349230005 **Collected:** 09/22/20 17:51 **Received:** 09/23/20 04:59 **Matrix:** Solid

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

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035A VOA								
Analytical Method: EPA 8260B Preparation Method: EPA 5035A/5030B								
Pace Analytical Services - Kansas City								
1,2-Dichlorobenzene	ND	ug/kg	170	1	09/28/20 13:22	09/29/20 02:21	95-50-1	SS
1,3-Dichlorobenzene	ND	ug/kg	170	1	09/28/20 13:22	09/29/20 02:21	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	170	1	09/28/20 13:22	09/29/20 02:21	106-46-7	
Dichlorodifluoromethane	ND	ug/kg	170	1	09/28/20 13:22	09/29/20 02:21	75-71-8	
1,1-Dichloroethane	ND	ug/kg	170	1	09/28/20 13:22	09/29/20 02:21	75-34-3	
1,2-Dichloroethane	ND	ug/kg	170	1	09/28/20 13:22	09/29/20 02:21	107-06-2	
1,2-Dichloroethene (Total)	ND	ug/kg	170	1	09/28/20 13:22	09/29/20 02:21	540-59-0	
1,1-Dichloroethene	ND	ug/kg	170	1	09/28/20 13:22	09/29/20 02:21	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	170	1	09/28/20 13:22	09/29/20 02:21	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	170	1	09/28/20 13:22	09/29/20 02:21	156-60-5	
1,2-Dichloropropane	ND	ug/kg	170	1	09/28/20 13:22	09/29/20 02:21	78-87-5	
1,3-Dichloropropane	ND	ug/kg	170	1	09/28/20 13:22	09/29/20 02:21	142-28-9	
2,2-Dichloropropane	ND	ug/kg	170	1	09/28/20 13:22	09/29/20 02:21	594-20-7	
1,1-Dichloropropene	ND	ug/kg	170	1	09/28/20 13:22	09/29/20 02:21	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	170	1	09/28/20 13:22	09/29/20 02:21	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	170	1	09/28/20 13:22	09/29/20 02:21	10061-02-6	
Ethylbenzene	ND	ug/kg	170	1	09/28/20 13:22	09/29/20 02:21	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/kg	170	1	09/28/20 13:22	09/29/20 02:21	87-68-3	
2-Hexanone	ND	ug/kg	681	1	09/28/20 13:22	09/29/20 02:21	591-78-6	
Isopropylbenzene (Cumene)	353	ug/kg	170	1	09/28/20 13:22	09/29/20 02:21	98-82-8	
p-Isopropyltoluene	309	ug/kg	170	1	09/28/20 13:22	09/29/20 02:21	99-87-6	
Methylene Chloride	ND	ug/kg	170	1	09/28/20 13:22	09/29/20 02:21	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	341	1	09/28/20 13:22	09/29/20 02:21	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	170	1	09/28/20 13:22	09/29/20 02:21	1634-04-4	
Naphthalene	ND	ug/kg	341	1	09/28/20 13:22	09/29/20 02:21	91-20-3	
n-Propylbenzene	595	ug/kg	170	1	09/28/20 13:22	09/29/20 02:21	103-65-1	
Styrene	ND	ug/kg	170	1	09/28/20 13:22	09/29/20 02:21	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	170	1	09/28/20 13:22	09/29/20 02:21	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	170	1	09/28/20 13:22	09/29/20 02:21	79-34-5	
Tetrachloroethene	ND	ug/kg	170	1	09/28/20 13:22	09/29/20 02:21	127-18-4	
Toluene	ND	ug/kg	170	1	09/28/20 13:22	09/29/20 02:21	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	170	1	09/28/20 13:22	09/29/20 02:21	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	170	1	09/28/20 13:22	09/29/20 02:21	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	170	1	09/28/20 13:22	09/29/20 02:21	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	170	1	09/28/20 13:22	09/29/20 02:21	79-00-5	
Trichloroethene	ND	ug/kg	170	1	09/28/20 13:22	09/29/20 02:21	79-01-6	
Trichlorofluoromethane	ND	ug/kg	170	1	09/28/20 13:22	09/29/20 02:21	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	170	1	09/28/20 13:22	09/29/20 02:21	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/kg	170	1	09/28/20 13:22	09/29/20 02:21	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	170	1	09/28/20 13:22	09/29/20 02:21	108-67-8	
Vinyl chloride	ND	ug/kg	170	1	09/28/20 13:22	09/29/20 02:21	75-01-4	
Xylene (Total)	ND	ug/kg	170	1	09/28/20 13:22	09/29/20 02:21	1330-20-7	
Surrogates								
Toluene-d8 (S)	104	%	80-120	1	09/28/20 13:22	09/29/20 02:21	2037-26-5	
4-Bromofluorobenzene (S)	105	%	83-119	1	09/28/20 13:22	09/29/20 02:21	460-00-4	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: PINE LAWN

Pace Project No.: 60349230

Sample: DPT-11-SO-(12-13) **Lab ID:** 60349230005 Collected: 09/22/20 17:51 Received: 09/23/20 04:59 Matrix: Solid

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

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035A VOA								
Analytical Method: EPA 8260B Preparation Method: EPA 5035A/5030B								
Pace Analytical Services - Kansas City								
Surrogates								
1,2-Dichloroethane-d4 (S)	95	%	78-118	1	09/28/20 13:22	09/29/20 02:21	17060-07-0	
8260 MSV GRO and Oxygenates								
Analytical Method: EPA 5035A/8260 Preparation Method: EPA 5035/5030								
Pace Analytical Services - Kansas City								
TPH-GRO	108	mg/kg	17.0	1	09/28/20 13:48	09/29/20 16:34		
Surrogates								
Toluene-d8 (S)	105	%	80-120	1	09/28/20 13:48	09/29/20 16:34	2037-26-5	
4-Bromofluorobenzene (S)	107	%	85-115	1	09/28/20 13:48	09/29/20 16:34	460-00-4	
1,2-Dichloroethane-d4 (S)	94	%	78-118	1	09/28/20 13:48	09/29/20 16:34	17060-07-0	
Percent Moisture								
Analytical Method: ASTM D2974								
Pace Analytical Services - Kansas City								
Percent Moisture	23.4	%	0.50	1		09/24/20 15:46		

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ANALYTICAL RESULTS

Project: PINE LAWN

Pace Project No.: 60349230

Sample: DPT-11-SO-(29-30) **Lab ID:** 60349230006 **Collected:** 09/22/20 18:22 **Received:** 09/23/20 04:59 **Matrix:** Solid

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

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8082 GCS PCB SW								
Analytical Method: EPA 8082 Preparation Method: EPA 3546								
Pace Analytical Services - Kansas City								
PCB-1016 (Aroclor 1016)	ND	ug/kg	34.6	1	09/29/20 15:19	10/01/20 20:39	12674-11-2	
PCB-1221 (Aroclor 1221)	ND	ug/kg	34.6	1	09/29/20 15:19	10/01/20 20:39	11104-28-2	
PCB-1232 (Aroclor 1232)	ND	ug/kg	34.6	1	09/29/20 15:19	10/01/20 20:39	11141-16-5	
PCB-1242 (Aroclor 1242)	ND	ug/kg	34.6	1	09/29/20 15:19	10/01/20 20:39	53469-21-9	
PCB-1248 (Aroclor 1248)	ND	ug/kg	34.6	1	09/29/20 15:19	10/01/20 20:39	12672-29-6	
PCB-1254 (Aroclor 1254)	ND	ug/kg	34.6	1	09/29/20 15:19	10/01/20 20:39	11097-69-1	
PCB-1260 (Aroclor 1260)	ND	ug/kg	34.6	1	09/29/20 15:19	10/01/20 20:39	11096-82-5	
Surrogates								
Decachlorobiphenyl (S)	89	%	28-143	1	09/29/20 15:19	10/01/20 20:39	2051-24-3	
6010 MET ICP Red. Interference								
Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Pace Analytical Services - Kansas City								
Arsenic	ND	mg/kg	0.96	1	10/02/20 10:03	10/05/20 13:54	7440-38-2	
Barium	37.3	mg/kg	0.48	1	10/02/20 10:03	10/05/20 13:54	7440-39-3	
Cadmium	ND	mg/kg	0.48	1	10/02/20 10:03	10/05/20 13:54	7440-43-9	
Chromium	14.9	mg/kg	0.48	1	10/02/20 10:03	10/05/20 13:54	7440-47-3	
Lead	3.2	mg/kg	0.96	1	10/02/20 10:03	10/05/20 13:54	7439-92-1	
Selenium	ND	mg/kg	1.4	1	10/02/20 10:03	10/05/20 13:54	7782-49-2	
Silver	ND	mg/kg	0.67	1	10/02/20 10:03	10/05/20 13:54	7440-22-4	
7471 Mercury								
Analytical Method: EPA 7471 Preparation Method: EPA 7471								
Pace Analytical Services - Kansas City								
Mercury	ND	mg/kg	0.051	1	09/30/20 18:07	10/01/20 12:49	7439-97-6	
8270 MSSV Semivolatiles								
Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Pace Analytical Services - Kansas City								
Acenaphthene	ND	ug/kg	350	1	09/27/20 13:01	09/29/20 23:35	83-32-9	
Acenaphthylene	ND	ug/kg	350	1	09/27/20 13:01	09/29/20 23:35	208-96-8	
Anthracene	ND	ug/kg	350	1	09/27/20 13:01	09/29/20 23:35	120-12-7	
Benzo(a)anthracene	ND	ug/kg	350	1	09/27/20 13:01	09/29/20 23:35	56-55-3	
Benzo(a)pyrene	ND	ug/kg	350	1	09/27/20 13:01	09/29/20 23:35	50-32-8	
Benzo(b)fluoranthene	ND	ug/kg	350	1	09/27/20 13:01	09/29/20 23:35	205-99-2	
Benzo(g,h,i)perylene	ND	ug/kg	350	1	09/27/20 13:01	09/29/20 23:35	191-24-2	
Benzo(k)fluoranthene	ND	ug/kg	350	1	09/27/20 13:01	09/29/20 23:35	207-08-9	
Benzoic Acid	ND	ug/kg	1770	1	09/27/20 13:01	09/29/20 23:35	65-85-0	L1
Benzyl alcohol	ND	ug/kg	701	1	09/27/20 13:01	09/29/20 23:35	100-51-6	
4-Bromophenylphenyl ether	ND	ug/kg	350	1	09/27/20 13:01	09/29/20 23:35	101-55-3	
Butylbenzylphthalate	ND	ug/kg	350	1	09/27/20 13:01	09/29/20 23:35	85-68-7	
Carbazole	ND	ug/kg	350	1	09/27/20 13:01	09/29/20 23:35	86-74-8	
4-Chloro-3-methylphenol	ND	ug/kg	701	1	09/27/20 13:01	09/29/20 23:35	59-50-7	
4-Chloroaniline	ND	ug/kg	701	1	09/27/20 13:01	09/29/20 23:35	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/kg	350	1	09/27/20 13:01	09/29/20 23:35	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/kg	350	1	09/27/20 13:01	09/29/20 23:35	111-44-4	
bis(2-Chloroisopropyl) ether	ND	ug/kg	350	1	09/27/20 13:01	09/29/20 23:35	108-60-1	
2-Chloronaphthalene	ND	ug/kg	350	1	09/27/20 13:01	09/29/20 23:35	91-58-7	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: PINE LAWN

Pace Project No.: 60349230

Sample: DPT-11-SO-(29-30) **Lab ID:** 60349230006 **Collected:** 09/22/20 18:22 **Received:** 09/23/20 04:59 **Matrix:** Solid

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

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Semivolatiles		Analytical Method: EPA 8270 Preparation Method: EPA 3546 Pace Analytical Services - Kansas City						
2-Chlorophenol	ND	ug/kg	350	1	09/27/20 13:01	09/29/20 23:35	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/kg	350	1	09/27/20 13:01	09/29/20 23:35	7005-72-3	
Chrysene	ND	ug/kg	350	1	09/27/20 13:01	09/29/20 23:35	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	350	1	09/27/20 13:01	09/29/20 23:35	53-70-3	
Dibenzofuran	ND	ug/kg	350	1	09/27/20 13:01	09/29/20 23:35	132-64-9	
1,2-Dichlorobenzene	ND	ug/kg	350	1	09/27/20 13:01	09/29/20 23:35	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	350	1	09/27/20 13:01	09/29/20 23:35	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	350	1	09/27/20 13:01	09/29/20 23:35	106-46-7	
3,3'-Dichlorobenzidine	ND	ug/kg	701	1	09/27/20 13:01	09/29/20 23:35	91-94-1	
2,4-Dichlorophenol	ND	ug/kg	350	1	09/27/20 13:01	09/29/20 23:35	120-83-2	
Diethylphthalate	ND	ug/kg	350	1	09/27/20 13:01	09/29/20 23:35	84-66-2	
2,4-Dimethylphenol	ND	ug/kg	350	1	09/27/20 13:01	09/29/20 23:35	105-67-9	
Dimethylphthalate	ND	ug/kg	350	1	09/27/20 13:01	09/29/20 23:35	131-11-3	
Di-n-butylphthalate	ND	ug/kg	350	1	09/27/20 13:01	09/29/20 23:35	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/kg	1770	1	09/27/20 13:01	09/29/20 23:35	534-52-1	
2,4-Dinitrophenol	ND	ug/kg	1770	1	09/27/20 13:01	09/29/20 23:35	51-28-5	
2,4-Dinitrotoluene	ND	ug/kg	350	1	09/27/20 13:01	09/29/20 23:35	121-14-2	
2,6-Dinitrotoluene	ND	ug/kg	350	1	09/27/20 13:01	09/29/20 23:35	606-20-2	
Di-n-octylphthalate	ND	ug/kg	350	1	09/27/20 13:01	09/29/20 23:35	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/kg	350	1	09/27/20 13:01	09/29/20 23:35	117-81-7	
Fluoranthene	ND	ug/kg	350	1	09/27/20 13:01	09/29/20 23:35	206-44-0	
Fluorene	ND	ug/kg	350	1	09/27/20 13:01	09/29/20 23:35	86-73-7	
Hexachloro-1,3-butadiene	ND	ug/kg	350	1	09/27/20 13:01	09/29/20 23:35	87-68-3	
Hexachlorobenzene	ND	ug/kg	350	1	09/27/20 13:01	09/29/20 23:35	118-74-1	
Hexachlorocyclopentadiene	ND	ug/kg	350	1	09/27/20 13:01	09/29/20 23:35	77-47-4	
Hexachloroethane	ND	ug/kg	350	1	09/27/20 13:01	09/29/20 23:35	67-72-1	
Indeno(1,2,3-cd)pyrene	ND	ug/kg	350	1	09/27/20 13:01	09/29/20 23:35	193-39-5	
Isophorone	ND	ug/kg	350	1	09/27/20 13:01	09/29/20 23:35	78-59-1	
2-Methylnaphthalene	ND	ug/kg	350	1	09/27/20 13:01	09/29/20 23:35	91-57-6	
2-Methylphenol(o-Cresol)	ND	ug/kg	350	1	09/27/20 13:01	09/29/20 23:35	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/kg	350	1	09/27/20 13:01	09/29/20 23:35	15831-10-4	
Naphthalene	ND	ug/kg	350	1	09/27/20 13:01	09/29/20 23:35	91-20-3	
2-Nitroaniline	ND	ug/kg	701	1	09/27/20 13:01	09/29/20 23:35	88-74-4	
3-Nitroaniline	ND	ug/kg	701	1	09/27/20 13:01	09/29/20 23:35	99-09-2	
4-Nitroaniline	ND	ug/kg	701	1	09/27/20 13:01	09/29/20 23:35	100-01-6	
Nitrobenzene	ND	ug/kg	350	1	09/27/20 13:01	09/29/20 23:35	98-95-3	
2-Nitrophenol	ND	ug/kg	350	1	09/27/20 13:01	09/29/20 23:35	88-75-5	
4-Nitrophenol	ND	ug/kg	1770	1	09/27/20 13:01	09/29/20 23:35	100-02-7	
N-Nitroso-di-n-propylamine	ND	ug/kg	350	1	09/27/20 13:01	09/29/20 23:35	621-64-7	
N-Nitrosodiphenylamine	ND	ug/kg	350	1	09/27/20 13:01	09/29/20 23:35	86-30-6	
Pentachlorophenol	ND	ug/kg	1770	1	09/27/20 13:01	09/29/20 23:35	87-86-5	
Phenanthrene	ND	ug/kg	350	1	09/27/20 13:01	09/29/20 23:35	85-01-8	
Phenol	ND	ug/kg	350	1	09/27/20 13:01	09/29/20 23:35	108-95-2	
Pyrene	ND	ug/kg	350	1	09/27/20 13:01	09/29/20 23:35	129-00-0	
Pyridine	ND	ug/kg	350	1	09/27/20 13:01	09/29/20 23:35	110-86-1	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: PINE LAWN

Pace Project No.: 60349230

Sample: DPT-11-SO-(29-30) Lab ID: 60349230006 Collected: 09/22/20 18:22 Received: 09/23/20 04:59 Matrix: Solid

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

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Semivolatiles								
Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Pace Analytical Services - Kansas City								
1,2,4-Trichlorobenzene	ND	ug/kg	350	1	09/27/20 13:01	09/29/20 23:35	120-82-1	
2,4,5-Trichlorophenol	ND	ug/kg	350	1	09/27/20 13:01	09/29/20 23:35	95-95-4	
2,4,6-Trichlorophenol	ND	ug/kg	350	1	09/27/20 13:01	09/29/20 23:35	88-06-2	
Surrogates								
Nitrobenzene-d5 (S)	79	%	33-132	1	09/27/20 13:01	09/29/20 23:35	4165-60-0	
2-Fluorobiphenyl (S)	79	%	39-136	1	09/27/20 13:01	09/29/20 23:35	321-60-8	
Terphenyl-d14 (S)	83	%	29-131	1	09/27/20 13:01	09/29/20 23:35	1718-51-0	
Phenol-d6 (S)	73	%	43-95	1	09/27/20 13:01	09/29/20 23:35	13127-88-3	
2-Fluorophenol (S)	74	%	43-96	1	09/27/20 13:01	09/29/20 23:35	367-12-4	
2,4,6-Tribromophenol (S)	78	%	41-108	1	09/27/20 13:01	09/29/20 23:35	118-79-6	
8270 MSSV DRO/ORO								
Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Pace Analytical Services - Kansas City								
TPH-ORO	ND	mg/kg	15.6	1	09/25/20 15:43	10/01/20 19:57		
TPH-DRO	ND	mg/kg	15.6	1	09/25/20 15:43	10/01/20 19:57		
Surrogates								
Nitrobenzene-d5 (S)	88	%	33-132	1	09/25/20 15:43	10/01/20 19:57	4165-60-0	
2-Fluorobiphenyl (S)	94	%	39-136	1	09/25/20 15:43	10/01/20 19:57	321-60-8	
Terphenyl-d14 (S)	97	%	29-131	1	09/25/20 15:43	10/01/20 19:57	1718-51-0	
8260 MSV 5035A VOA								
Analytical Method: EPA 8260B Preparation Method: EPA 5035A/5030								
Pace Analytical Services - Kansas City								
Acetone	ND	ug/kg	19.2	1	09/24/20 16:10	09/24/20 23:14	67-64-1	
Benzene	ND	ug/kg	4.8	1	09/24/20 16:10	09/24/20 23:14	71-43-2	
Bromobenzene	ND	ug/kg	4.8	1	09/24/20 16:10	09/24/20 23:14	108-86-1	
Bromochloromethane	ND	ug/kg	4.8	1	09/24/20 16:10	09/24/20 23:14	74-97-5	
Bromodichloromethane	ND	ug/kg	4.8	1	09/24/20 16:10	09/24/20 23:14	75-27-4	
Bromoform	ND	ug/kg	4.8	1	09/24/20 16:10	09/24/20 23:14	75-25-2	
Bromomethane	ND	ug/kg	4.8	1	09/24/20 16:10	09/24/20 23:14	74-83-9	
2-Butanone (MEK)	ND	ug/kg	9.6	1	09/24/20 16:10	09/24/20 23:14	78-93-3	
n-Butylbenzene	ND	ug/kg	4.8	1	09/24/20 16:10	09/24/20 23:14	104-51-8	
sec-Butylbenzene	ND	ug/kg	4.8	1	09/24/20 16:10	09/24/20 23:14	135-98-8	
tert-Butylbenzene	ND	ug/kg	24.0	1	09/24/20 16:10	09/24/20 23:14	98-06-6	
Carbon disulfide	ND	ug/kg	4.8	1	09/24/20 16:10	09/24/20 23:14	75-15-0	
Carbon tetrachloride	ND	ug/kg	4.8	1	09/24/20 16:10	09/24/20 23:14	56-23-5	
Chlorobenzene	ND	ug/kg	4.8	1	09/24/20 16:10	09/24/20 23:14	108-90-7	
Chloroethane	ND	ug/kg	4.8	1	09/24/20 16:10	09/24/20 23:14	75-00-3	
Chloroform	ND	ug/kg	4.8	1	09/24/20 16:10	09/24/20 23:14	67-66-3	
Chloromethane	ND	ug/kg	4.8	1	09/24/20 16:10	09/24/20 23:14	74-87-3	
2-Chlorotoluene	ND	ug/kg	4.8	1	09/24/20 16:10	09/24/20 23:14	95-49-8	
4-Chlorotoluene	ND	ug/kg	4.8	1	09/24/20 16:10	09/24/20 23:14	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/kg	9.6	1	09/24/20 16:10	09/24/20 23:14	96-12-8	
Dibromochloromethane	ND	ug/kg	4.8	1	09/24/20 16:10	09/24/20 23:14	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	4.8	1	09/24/20 16:10	09/24/20 23:14	106-93-4	
Dibromomethane	ND	ug/kg	4.8	1	09/24/20 16:10	09/24/20 23:14	74-95-3	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: PINE LAWN

Pace Project No.: 60349230

Sample: DPT-11-SO-(29-30) **Lab ID:** 60349230006 **Collected:** 09/22/20 18:22 **Received:** 09/23/20 04:59 **Matrix:** Solid

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

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
8260 MSV 5035A VOA									
Analytical Method: EPA 8260B Preparation Method: EPA 5035A/5030									
Pace Analytical Services - Kansas City									
1,2-Dichlorobenzene	ND	ug/kg	4.8	1	09/24/20 16:10	09/24/20 23:14	95-50-1	SS	
1,3-Dichlorobenzene	ND	ug/kg	4.8	1	09/24/20 16:10	09/24/20 23:14	541-73-1		
1,4-Dichlorobenzene	ND	ug/kg	4.8	1	09/24/20 16:10	09/24/20 23:14	106-46-7		
Dichlorodifluoromethane	ND	ug/kg	4.8	1	09/24/20 16:10	09/24/20 23:14	75-71-8		
1,1-Dichloroethane	ND	ug/kg	4.8	1	09/24/20 16:10	09/24/20 23:14	75-34-3		
1,2-Dichloroethane	ND	ug/kg	4.8	1	09/24/20 16:10	09/24/20 23:14	107-06-2		
1,2-Dichloroethene (Total)	ND	ug/kg	4.8	1	09/24/20 16:10	09/24/20 23:14	540-59-0		
1,1-Dichloroethene	ND	ug/kg	4.8	1	09/24/20 16:10	09/24/20 23:14	75-35-4		
cis-1,2-Dichloroethene	ND	ug/kg	4.8	1	09/24/20 16:10	09/24/20 23:14	156-59-2		
trans-1,2-Dichloroethene	ND	ug/kg	4.8	1	09/24/20 16:10	09/24/20 23:14	156-60-5		
1,2-Dichloropropane	ND	ug/kg	4.8	1	09/24/20 16:10	09/24/20 23:14	78-87-5		
1,3-Dichloropropane	ND	ug/kg	4.8	1	09/24/20 16:10	09/24/20 23:14	142-28-9		
2,2-Dichloropropane	ND	ug/kg	4.8	1	09/24/20 16:10	09/24/20 23:14	594-20-7		
1,1-Dichloropropene	ND	ug/kg	4.8	1	09/24/20 16:10	09/24/20 23:14	563-58-6		
cis-1,3-Dichloropropene	ND	ug/kg	4.8	1	09/24/20 16:10	09/24/20 23:14	10061-01-5		
trans-1,3-Dichloropropene	ND	ug/kg	4.8	1	09/24/20 16:10	09/24/20 23:14	10061-02-6		
Ethylbenzene	ND	ug/kg	4.8	1	09/24/20 16:10	09/24/20 23:14	100-41-4		
Hexachloro-1,3-butadiene	ND	ug/kg	4.8	1	09/24/20 16:10	09/24/20 23:14	87-68-3		
2-Hexanone	ND	ug/kg	19.2	1	09/24/20 16:10	09/24/20 23:14	591-78-6		
Isopropylbenzene (Cumene)	ND	ug/kg	4.8	1	09/24/20 16:10	09/24/20 23:14	98-82-8		
p-Isopropyltoluene	ND	ug/kg	4.8	1	09/24/20 16:10	09/24/20 23:14	99-87-6		
Methylene Chloride	ND	ug/kg	4.8	1	09/24/20 16:10	09/24/20 23:14	75-09-2		
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	9.6	1	09/24/20 16:10	09/24/20 23:14	108-10-1		
Methyl-tert-butyl ether	ND	ug/kg	4.8	1	09/24/20 16:10	09/24/20 23:14	1634-04-4		
Naphthalene	ND	ug/kg	9.6	1	09/24/20 16:10	09/24/20 23:14	91-20-3		
n-Propylbenzene	ND	ug/kg	4.8	1	09/24/20 16:10	09/24/20 23:14	103-65-1		
Styrene	ND	ug/kg	4.8	1	09/24/20 16:10	09/24/20 23:14	100-42-5		
1,1,1,2-Tetrachloroethane	ND	ug/kg	4.8	1	09/24/20 16:10	09/24/20 23:14	630-20-6		
1,1,2,2-Tetrachloroethane	ND	ug/kg	4.8	1	09/24/20 16:10	09/24/20 23:14	79-34-5		
Tetrachloroethene	ND	ug/kg	4.8	1	09/24/20 16:10	09/24/20 23:14	127-18-4		
Toluene	ND	ug/kg	4.8	1	09/24/20 16:10	09/24/20 23:14	108-88-3		
1,2,3-Trichlorobenzene	ND	ug/kg	4.8	1	09/24/20 16:10	09/24/20 23:14	87-61-6		
1,2,4-Trichlorobenzene	ND	ug/kg	4.8	1	09/24/20 16:10	09/24/20 23:14	120-82-1		
1,1,1-Trichloroethane	ND	ug/kg	4.8	1	09/24/20 16:10	09/24/20 23:14	71-55-6		
1,1,2-Trichloroethane	ND	ug/kg	4.8	1	09/24/20 16:10	09/24/20 23:14	79-00-5		
Trichloroethene	ND	ug/kg	4.8	1	09/24/20 16:10	09/24/20 23:14	79-01-6		
Trichlorofluoromethane	ND	ug/kg	4.8	1	09/24/20 16:10	09/24/20 23:14	75-69-4		
1,2,3-Trichloropropane	ND	ug/kg	4.8	1	09/24/20 16:10	09/24/20 23:14	96-18-4		
1,2,4-Trimethylbenzene	ND	ug/kg	4.8	1	09/24/20 16:10	09/24/20 23:14	95-63-6		
1,3,5-Trimethylbenzene	ND	ug/kg	4.8	1	09/24/20 16:10	09/24/20 23:14	108-67-8		
Vinyl chloride	ND	ug/kg	4.8	1	09/24/20 16:10	09/24/20 23:14	75-01-4		
Xylene (Total)	ND	ug/kg	4.8	1	09/24/20 16:10	09/24/20 23:14	1330-20-7		
Surrogates									
Toluene-d8 (S)	100	%	80-120	1	09/24/20 16:10	09/24/20 23:14	2037-26-5		
4-Bromofluorobenzene (S)	98	%	85-115	1	09/24/20 16:10	09/24/20 23:14	460-00-4		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: PINE LAWN

Pace Project No.: 60349230

Sample: DPT-11-SO-(29-30) **Lab ID:** 60349230006 Collected: 09/22/20 18:22 Received: 09/23/20 04:59 Matrix: Solid

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

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035A VOA								
Analytical Method: EPA 8260B Preparation Method: EPA 5035A/5030								
Pace Analytical Services - Kansas City								
Surrogates								
1,2-Dichloroethane-d4 (S)	109	%	78-118	1	09/24/20 16:10	09/24/20 23:14	17060-07-0	
8260 MSV GRO and Oxygenates								
Analytical Method: EPA 8260 Preparation Method: EPA 5035								
Pace Analytical Services - Kansas City								
TPH-GRO	ND	mg/kg	0.48	1	09/24/20 16:10	09/24/20 23:14		
Surrogates								
Toluene-d8 (S)	100	%	78-122	1	09/24/20 16:10	09/24/20 23:14	2037-26-5	
4-Bromofluorobenzene (S)	98	%	69-133	1	09/24/20 16:10	09/24/20 23:14	460-00-4	
1,2-Dichloroethane-d4 (S)	109	%	80-123	1	09/24/20 16:10	09/24/20 23:14	17060-07-0	
Percent Moisture								
Analytical Method: ASTM D2974								
Pace Analytical Services - Kansas City								
Percent Moisture	7.3	%	0.50	1		09/24/20 15:46		

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: PINE LAWN

Pace Project No.: 60349230

QC Batch: 679970

Analysis Method: EPA 7471

QC Batch Method: EPA 7471

Analysis Description: 7471 Mercury

Laboratory: Pace Analytical Services - Kansas City

Associated Lab Samples: 60349230001, 60349230002, 60349230004, 60349230005, 60349230006

METHOD BLANK: 2748882

Matrix: Solid

Associated Lab Samples: 60349230001, 60349230002, 60349230004, 60349230005, 60349230006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury	mg/kg	ND	0.050	10/01/20 12:26	

LABORATORY CONTROL SAMPLE: 2748883

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	mg/kg	0.5	0.52	104	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2748884 2748885

Parameter	Units	60349230001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	mg/kg	ND	0.53	0.52	0.58	0.53	102	96	75-125	8	20	

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

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: PINE LAWN
Pace Project No.: 60349230

QC Batch: 680399 Analysis Method: EPA 6010
QC Batch Method: EPA 3050 Analysis Description: 6010 MET
Laboratory: Pace Analytical Services - Kansas City
Associated Lab Samples: 60349230001, 60349230002, 60349230004, 60349230005, 60349230006

METHOD BLANK: 2750577 Matrix: Solid
Associated Lab Samples: 60349230001, 60349230002, 60349230004, 60349230005, 60349230006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Arsenic	mg/kg	ND	1.0	10/05/20 13:34	
Barium	mg/kg	ND	0.50	10/05/20 13:34	
Cadmium	mg/kg	ND	0.50	10/05/20 13:34	
Chromium	mg/kg	ND	0.50	10/05/20 13:34	
Lead	mg/kg	ND	1.0	10/05/20 13:34	
Selenium	mg/kg	ND	1.5	10/05/20 13:34	
Silver	mg/kg	ND	0.70	10/05/20 13:34	

LABORATORY CONTROL SAMPLE: 2750578

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Arsenic	mg/kg	100	101	101	80-120	
Barium	mg/kg	100	104	104	80-120	
Cadmium	mg/kg	100	101	101	80-120	
Chromium	mg/kg	100	106	106	80-120	
Lead	mg/kg	100	107	107	80-120	
Selenium	mg/kg	100	99.6	100	80-120	
Silver	mg/kg	50	51.4	103	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2750579 2750580

Parameter	Units	60349230001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Arsenic	mg/kg	5.0	96.8	93.7	93.2	89.5	91	90	75-125	4	20	
Barium	mg/kg	69.8	96.8	93.7	173	168	107	104	75-125	3	20	
Cadmium	mg/kg	ND	96.8	93.7	87.0	83.4	90	89	75-125	4	20	
Chromium	mg/kg	26.8	96.8	93.7	130	125	107	104	75-125	4	20	
Lead	mg/kg	11.2	96.8	93.7	101	97.3	92	92	75-125	3	20	
Selenium	mg/kg	ND	96.8	93.7	82.9	79.7	86	85	75-125	4	20	
Silver	mg/kg	ND	48.4	46.9	46.6	44.5	95	94	75-125	4	20	

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

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: PINE LAWN

Pace Project No.: 60349230

QC Batch: 678876

Analysis Method: EPA 8260B

QC Batch Method: EPA 5035A/5030

Analysis Description: 8260 MSV 5035A Volatile Organics

Laboratory: Pace Analytical Services - Kansas City

Associated Lab Samples: 60349230001, 60349230002, 60349230003, 60349230004, 60349230006

METHOD BLANK: 2744715

Matrix: Solid

Associated Lab Samples: 60349230001, 60349230002, 60349230003, 60349230004, 60349230006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	ND	5.0	09/24/20 21:41	
1,1,1-Trichloroethane	ug/kg	ND	5.0	09/24/20 21:41	
1,1,2,2-Tetrachloroethane	ug/kg	ND	5.0	09/24/20 21:41	
1,1,2-Trichloroethane	ug/kg	ND	5.0	09/24/20 21:41	
1,1-Dichloroethane	ug/kg	ND	5.0	09/24/20 21:41	
1,1-Dichloroethene	ug/kg	ND	5.0	09/24/20 21:41	
1,1-Dichloropropene	ug/kg	ND	5.0	09/24/20 21:41	
1,2,3-Trichlorobenzene	ug/kg	ND	5.0	09/24/20 21:41	
1,2,3-Trichloropropane	ug/kg	ND	5.0	09/24/20 21:41	
1,2,4-Trichlorobenzene	ug/kg	ND	5.0	09/24/20 21:41	
1,2,4-Trimethylbenzene	ug/kg	ND	5.0	09/24/20 21:41	
1,2-Dibromo-3-chloropropane	ug/kg	ND	10.0	09/24/20 21:41	
1,2-Dibromoethane (EDB)	ug/kg	ND	5.0	09/24/20 21:41	
1,2-Dichlorobenzene	ug/kg	ND	5.0	09/24/20 21:41	
1,2-Dichloroethane	ug/kg	ND	5.0	09/24/20 21:41	
1,2-Dichloroethene (Total)	ug/kg	ND	5.0	09/24/20 21:41	
1,2-Dichloropropane	ug/kg	ND	5.0	09/24/20 21:41	
1,3,5-Trimethylbenzene	ug/kg	ND	5.0	09/24/20 21:41	
1,3-Dichlorobenzene	ug/kg	ND	5.0	09/24/20 21:41	
1,3-Dichloropropane	ug/kg	ND	5.0	09/24/20 21:41	
1,4-Dichlorobenzene	ug/kg	ND	5.0	09/24/20 21:41	
2,2-Dichloropropane	ug/kg	ND	5.0	09/24/20 21:41	
2-Butanone (MEK)	ug/kg	ND	10.0	09/24/20 21:41	
2-Chlorotoluene	ug/kg	ND	5.0	09/24/20 21:41	
2-Hexanone	ug/kg	ND	20.0	09/24/20 21:41	
4-Chlorotoluene	ug/kg	ND	5.0	09/24/20 21:41	
4-Methyl-2-pentanone (MIBK)	ug/kg	ND	10.0	09/24/20 21:41	
Acetone	ug/kg	ND	20.0	09/24/20 21:41	
Benzene	ug/kg	ND	5.0	09/24/20 21:41	
Bromobenzene	ug/kg	ND	5.0	09/24/20 21:41	
Bromochloromethane	ug/kg	ND	5.0	09/24/20 21:41	
Bromodichloromethane	ug/kg	ND	5.0	09/24/20 21:41	
Bromoform	ug/kg	ND	5.0	09/24/20 21:41	
Bromomethane	ug/kg	ND	5.0	09/24/20 21:41	
Carbon disulfide	ug/kg	ND	5.0	09/24/20 21:41	
Carbon tetrachloride	ug/kg	ND	5.0	09/24/20 21:41	
Chlorobenzene	ug/kg	ND	5.0	09/24/20 21:41	
Chloroethane	ug/kg	ND	5.0	09/24/20 21:41	
Chloroform	ug/kg	ND	5.0	09/24/20 21:41	
Chloromethane	ug/kg	ND	5.0	09/24/20 21:41	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: PINE LAWN

Pace Project No.: 60349230

METHOD BLANK: 2744715

Matrix: Solid

Associated Lab Samples: 60349230001, 60349230002, 60349230003, 60349230004, 60349230006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
cis-1,2-Dichloroethene	ug/kg	ND	5.0	09/24/20 21:41	
cis-1,3-Dichloropropene	ug/kg	ND	5.0	09/24/20 21:41	
Dibromochloromethane	ug/kg	ND	5.0	09/24/20 21:41	
Dibromomethane	ug/kg	ND	5.0	09/24/20 21:41	
Dichlorodifluoromethane	ug/kg	ND	5.0	09/24/20 21:41	
Ethylbenzene	ug/kg	ND	5.0	09/24/20 21:41	
Hexachloro-1,3-butadiene	ug/kg	ND	5.0	09/24/20 21:41	
Isopropylbenzene (Cumene)	ug/kg	ND	5.0	09/24/20 21:41	
Methyl-tert-butyl ether	ug/kg	ND	5.0	09/24/20 21:41	
Methylene Chloride	ug/kg	ND	5.0	09/24/20 21:41	
n-Butylbenzene	ug/kg	ND	5.0	09/24/20 21:41	
n-Propylbenzene	ug/kg	ND	5.0	09/24/20 21:41	
Naphthalene	ug/kg	ND	10.0	09/24/20 21:41	
p-Isopropyltoluene	ug/kg	ND	5.0	09/24/20 21:41	
sec-Butylbenzene	ug/kg	ND	5.0	09/24/20 21:41	
Styrene	ug/kg	ND	5.0	09/24/20 21:41	
tert-Butylbenzene	ug/kg	ND	25.0	09/24/20 21:41	
Tetrachloroethene	ug/kg	ND	5.0	09/24/20 21:41	
Toluene	ug/kg	ND	5.0	09/24/20 21:41	
trans-1,2-Dichloroethene	ug/kg	ND	5.0	09/24/20 21:41	
trans-1,3-Dichloropropene	ug/kg	ND	5.0	09/24/20 21:41	
Trichloroethene	ug/kg	ND	5.0	09/24/20 21:41	
Trichlorofluoromethane	ug/kg	ND	5.0	09/24/20 21:41	
Vinyl chloride	ug/kg	ND	5.0	09/24/20 21:41	
Xylene (Total)	ug/kg	ND	5.0	09/24/20 21:41	
1,2-Dichloroethane-d4 (S)	%	96	78-118	09/24/20 21:41	
4-Bromofluorobenzene (S)	%	97	85-115	09/24/20 21:41	
Toluene-d8 (S)	%	103	80-120	09/24/20 21:41	

LABORATORY CONTROL SAMPLE: 2744716

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	100	109	109	84-125	
1,1,1-Trichloroethane	ug/kg	100	99.3	99	81-121	
1,1,2,2-Tetrachloroethane	ug/kg	100	102	102	76-121	
1,1,2-Trichloroethane	ug/kg	100	108	108	83-118	
1,1-Dichloroethane	ug/kg	100	111	111	74-120	
1,1-Dichloroethene	ug/kg	100	101	101	71-124	
1,1-Dichloropropene	ug/kg	100	87.8	88	73-123	
1,2,3-Trichlorobenzene	ug/kg	100	109	109	81-123	
1,2,3-Trichloropropane	ug/kg	100	107	107	81-116	
1,2,4-Trichlorobenzene	ug/kg	100	107	107	79-126	
1,2,4-Trimethylbenzene	ug/kg	100	102	102	79-121	
1,2-Dibromo-3-chloropropane	ug/kg	100	103	103	74-125	

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QUALITY CONTROL DATA

Project: PINE LAWN

Pace Project No.: 60349230

LABORATORY CONTROL SAMPLE: 2744716

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dibromoethane (EDB)	ug/kg	100	110	110	64-137	
1,2-Dichlorobenzene	ug/kg	100	106	106	83-119	
1,2-Dichloroethane	ug/kg	100	99.4	99	58-128	
1,2-Dichloroethene (Total)	ug/kg	200	207	104	82-117	
1,2-Dichloropropane	ug/kg	100	102	102	77-122	
1,3,5-Trimethylbenzene	ug/kg	100	103	103	81-122	
1,3-Dichlorobenzene	ug/kg	100	104	104	83-119	
1,3-Dichloropropane	ug/kg	100	107	107	83-118	
1,4-Dichlorobenzene	ug/kg	100	98.6	99	83-116	
2,2-Dichloropropane	ug/kg	100	96.6	97	76-124	
2-Butanone (MEK)	ug/kg	500	505	101	63-122	
2-Chlorotoluene	ug/kg	100	101	101	79-119	
2-Hexanone	ug/kg	500	522	104	68-122	
4-Chlorotoluene	ug/kg	100	102	102	84-119	
4-Methyl-2-pentanone (MIBK)	ug/kg	500	521	104	63-128	
Acetone	ug/kg	500	466	93	55-124	
Benzene	ug/kg	100	98.3	98	67-126	
Bromobenzene	ug/kg	100	106	106	85-117	
Bromochloromethane	ug/kg	100	110	110	78-122	
Bromodichloromethane	ug/kg	100	107	107	82-120	
Bromoform	ug/kg	100	119	119	77-133	
Bromomethane	ug/kg	100	76.4	76	20-168	
Carbon disulfide	ug/kg	100	113	113	60-133	
Carbon tetrachloride	ug/kg	100	106	106	79-128	
Chlorobenzene	ug/kg	100	105	105	84-118	
Chloroethane	ug/kg	100	86.9	87	53-139	
Chloroform	ug/kg	100	103	103	82-120	
Chloromethane	ug/kg	100	59.4	59	33-143	
cis-1,2-Dichloroethene	ug/kg	100	103	103	83-117	
cis-1,3-Dichloropropene	ug/kg	100	104	104	80-122	
Dibromochloromethane	ug/kg	100	118	118	82-128	
Dibromomethane	ug/kg	100	106	106	82-119	
Dichlorodifluoromethane	ug/kg	100	38.4	38	12-159	
Ethylbenzene	ug/kg	100	100	100	69-127	
Hexachloro-1,3-butadiene	ug/kg	100	105	105	77-133	
Isopropylbenzene (Cumene)	ug/kg	100	100	100	83-122	
Methyl-tert-butyl ether	ug/kg	100	105	105	58-137	
Methylene Chloride	ug/kg	100	97.3	97	68-125	
n-Butylbenzene	ug/kg	100	105	105	73-131	
n-Propylbenzene	ug/kg	100	101	101	82-122	
Naphthalene	ug/kg	100	115	115	60-136	
p-Isopropyltoluene	ug/kg	100	93.5	93	74-129	
sec-Butylbenzene	ug/kg	100	110	110	71-133	
Styrene	ug/kg	100	109	109	84-121	
tert-Butylbenzene	ug/kg	100	101	101	81-122	
Tetrachloroethene	ug/kg	100	107	107	78-130	
Toluene	ug/kg	100	100	100	80-118	

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QUALITY CONTROL DATA

Project: PINE LAWN

Pace Project No.: 60349230

LABORATORY CONTROL SAMPLE: 2744716

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
trans-1,2-Dichloroethene	ug/kg	100	104	104	78-118	
trans-1,3-Dichloropropene	ug/kg	100	111	111	81-123	
Trichloroethene	ug/kg	100	105	105	78-127	
Trichlorofluoromethane	ug/kg	100	100	100	64-133	
Vinyl chloride	ug/kg	100	71.6	72	45-139	
Xylene (Total)	ug/kg	300	305	102	69-130	
1,2-Dichloroethane-d4 (S)	%			96	78-118	
4-Bromofluorobenzene (S)	%			95	85-115	
Toluene-d8 (S)	%			101	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2744717 2744718

Parameter	Units	60348965007		MS		MSD		MS	MSD	% Rec	% Rec	% Rec Limits	RPD	Max RPD	Qual
		Result	Conc.	Spike Conc.	Result	Spike Conc.	Result	% Rec	% Rec						
1,1,1,2-Tetrachloroethane	ug/kg	ND	123	123	102	103	83	84	10-133	1	39				
1,1,1-Trichloroethane	ug/kg	ND	123	123	90.7	93.4	74	76	30-131	3	28				
1,1,2,2-Tetrachloroethane	ug/kg	ND	123	123	96.4	94.6	78	77	10-139	2	49				
1,1,2-Trichloroethane	ug/kg	ND	123	123	102	100	83	82	10-145	2	41				
1,1-Dichloroethane	ug/kg	ND	123	123	92.0	94.9	75	77	24-125	3	31				
1,1-Dichloroethene	ug/kg	ND	123	123	71.5	75.7	58	62	34-118	6	30				
1,1-Dichloropropene	ug/kg	ND	123	123	88.3	89.9	72	73	29-116	2	30				
1,2,3-Trichlorobenzene	ug/kg	ND	123	123	88.7	90.7	72	74	10-115	2	40				
1,2,3-Trichloropropane	ug/kg	ND	123	123	99.2	95.3	81	78	10-150	4	46				
1,2,4-Trichlorobenzene	ug/kg	ND	123	123	84.9	88.1	69	72	10-115	4	44				
1,2,4-Trimethylbenzene	ug/kg	ND	123	123	91.2	91.9	74	75	10-123	1	37				
1,2-Dibromo-3-chloropropane	ug/kg	ND	123	123	91.4	91.4	74	74	10-136	0	42				
1,2-Dibromoethane (EDB)	ug/kg	ND	123	123	104	104	85	84	24-149	1	29				
1,2-Dichlorobenzene	ug/kg	ND	123	123	94.0	94.6	76	77	10-123	1	41				
1,2-Dichloroethane	ug/kg	ND	123	123	89.1	89.3	72	73	23-140	0	29				
1,2-Dichloroethene (Total)	ug/kg	ND	246	246	174	180	71	73	30-119	3	32				
1,2-Dichloropropane	ug/kg	ND	123	123	92.0	93.8	75	76	13-132	2	33				
1,3,5-Trimethylbenzene	ug/kg	ND	123	123	92.4	93.3	75	76	10-124	1	40				
1,3-Dichlorobenzene	ug/kg	ND	123	123	92.0	92.6	75	75	10-122	1	42				
1,3-Dichloropropane	ug/kg	ND	123	123	100	98.7	81	80	10-135	2	36				
1,4-Dichlorobenzene	ug/kg	ND	123	123	89.7	90.7	73	74	10-120	1	38				
2,2-Dichloropropane	ug/kg	ND	123	123	76.3	79.1	62	64	22-135	4	31				
2-Butanone (MEK)	ug/kg	7.1J	615	614	439	436	70	70	12-127	1	37				
2-Chlorotoluene	ug/kg	ND	123	123	91.3	91.1	74	74	10-126	0	38				
2-Hexanone	ug/kg	ND	615	614	458	451	74	73	10-135	2	37				
4-Chlorotoluene	ug/kg	ND	123	123	90.6	91.1	74	74	10-129	1	40				
4-Methyl-2-pentanone (MIBK)	ug/kg	ND	615	614	454	451	74	74	10-129	1	36				
Acetone	ug/kg	92.5	615	614	448	448	58	58	10-143	0	34				
Benzene	ug/kg	ND	123	123	86.6	88.5	70	72	37-135	2	24				
Bromobenzene	ug/kg	ND	123	123	97.3	97.1	79	79	10-134	0	45				

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QUALITY CONTROL DATA

Project: PINE LAWN

Pace Project No.: 60349230

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2744717 2744718											
Parameter	Units	60348965007 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	Max RPD	Qual
Bromochloromethane	ug/kg	ND	123	123	98.3	98.7	80	80	17-129	0	34
Bromodichloromethane	ug/kg	ND	123	123	98.8	99.5	80	81	12-130	1	33
Bromoform	ug/kg	ND	123	123	109	110	89	90	10-135	1	39
Bromomethane	ug/kg	ND	123	123	45.0	51.4	37	42	10-124	13	41
Carbon disulfide	ug/kg	ND	123	123	60.0	65.6	49	53	17-116	9	28
Carbon tetrachloride	ug/kg	ND	123	123	91.7	96.6	75	79	29-127	5	35
Chlorobenzene	ug/kg	ND	123	123	98.6	99.4	80	81	10-133	1	33
Chloroethane	ug/kg	ND	123	123	52.5	57.4	43	47	25-116	9	33
Chloroform	ug/kg	ND	123	123	95.0	96.0	77	78	20-130	1	30
Chloromethane	ug/kg	ND	123	123	30.0	33.3	24	27	10-113	10	31
cis-1,2-Dichloroethene	ug/kg	ND	123	123	90.6	92.9	74	76	22-126	3	31
cis-1,3-Dichloropropene	ug/kg	ND	123	123	93.1	94.1	76	77	10-125	1	34
Dibromochloromethane	ug/kg	ND	123	123	107	108	87	88	10-138	0	38
Dibromomethane	ug/kg	ND	123	123	102	100	83	82	13-129	1	38
Dichlorodifluoromethane	ug/kg	ND	123	123	17.7	21.3	14	17	10-114	19	33
Ethylbenzene	ug/kg	ND	123	123	97.5	97.7	79	80	31-142	0	25
Hexachloro-1,3-butadiene	ug/kg	ND	123	123	85.9	86.8	70	71	10-124	1	41
Isopropylbenzene (Cumene)	ug/kg	ND	123	123	97.6	98.2	79	80	17-120	1	34
Methyl-tert-butyl ether	ug/kg	ND	123	123	86.9	88.0	71	72	30-143	1	28
Methylene Chloride	ug/kg	ND	123	123	79.5	81.8	65	67	24-121	3	33
n-Butylbenzene	ug/kg	ND	123	123	86.2	88.2	70	72	10-121	2	36
n-Propylbenzene	ug/kg	ND	123	123	91.8	92.5	75	75	12-125	1	37
Naphthalene	ug/kg	ND	123	123	98.8	98.4	80	80	10-156	0	34
p-Isopropyltoluene	ug/kg	ND	123	123	91.8	92.0	75	75	10-119	0	37
sec-Butylbenzene	ug/kg	ND	123	123	92.8	93.7	75	76	10-127	1	40
Styrene	ug/kg	ND	123	123	96.4	97.9	78	80	10-124	2	37
tert-Butylbenzene	ug/kg	ND	123	123	95.1	94.3	77	77	10-126	1	37
Tetrachloroethene	ug/kg	ND	123	123	100	101	81	82	15-133	1	36
Toluene	ug/kg	ND	123	123	94.8	95.0	77	77	40-137	0	25
trans-1,2-Dichloroethene	ug/kg	ND	123	123	83.6	86.7	68	71	22-129	4	34
trans-1,3-Dichloropropene	ug/kg	ND	123	123	94.6	96.5	77	79	10-130	2	35
Trichloroethene	ug/kg	ND	123	123	94.7	96.8	77	79	19-135	2	34
Trichlorofluoromethane	ug/kg	ND	123	123	64.1	70.4	52	57	16-132	9	28
Vinyl chloride	ug/kg	ND	123	123	38.2	41.9	31	34	14-116	9	28
Xylene (Total)	ug/kg	ND	370	368	287	290	78	79	19-153	1	27
1,2-Dichloroethane-d4 (S)	%						97	98	78-118		
4-Bromofluorobenzene (S)	%						95	94	85-115		
Toluene-d8 (S)	%						103	102	80-120		

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QUALITY CONTROL DATA

Project: PINE LAWN

Pace Project No.: 60349230

QC Batch: 679322

Analysis Method: EPA 8260B

QC Batch Method: EPA 5035A/5030B

Analysis Description: 8260 MSV 5035A Volatile Organics

Laboratory: Pace Analytical Services - Kansas City

Associated Lab Samples: 60349230005

METHOD BLANK: 2746917

Matrix: Solid

Associated Lab Samples: 60349230005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	ND	250	09/29/20 02:05	
1,1,1-Trichloroethane	ug/kg	ND	250	09/29/20 02:05	
1,1,2,2-Tetrachloroethane	ug/kg	ND	250	09/29/20 02:05	
1,1,2-Trichloroethane	ug/kg	ND	250	09/29/20 02:05	
1,1-Dichloroethane	ug/kg	ND	250	09/29/20 02:05	
1,1-Dichloroethene	ug/kg	ND	250	09/29/20 02:05	
1,1-Dichloropropene	ug/kg	ND	250	09/29/20 02:05	
1,2,3-Trichlorobenzene	ug/kg	ND	250	09/29/20 02:05	
1,2,3-Trichloropropane	ug/kg	ND	250	09/29/20 02:05	
1,2,4-Trichlorobenzene	ug/kg	ND	250	09/29/20 02:05	
1,2,4-Trimethylbenzene	ug/kg	ND	250	09/29/20 02:05	
1,2-Dibromo-3-chloropropane	ug/kg	ND	500	09/29/20 02:05	
1,2-Dibromoethane (EDB)	ug/kg	ND	250	09/29/20 02:05	
1,2-Dichlorobenzene	ug/kg	ND	250	09/29/20 02:05	
1,2-Dichloroethane	ug/kg	ND	250	09/29/20 02:05	
1,2-Dichloroethene (Total)	ug/kg	ND	250	09/29/20 02:05	
1,2-Dichloropropane	ug/kg	ND	250	09/29/20 02:05	
1,3,5-Trimethylbenzene	ug/kg	ND	250	09/29/20 02:05	
1,3-Dichlorobenzene	ug/kg	ND	250	09/29/20 02:05	
1,3-Dichloropropane	ug/kg	ND	250	09/29/20 02:05	
1,4-Dichlorobenzene	ug/kg	ND	250	09/29/20 02:05	
2,2-Dichloropropane	ug/kg	ND	250	09/29/20 02:05	
2-Butanone (MEK)	ug/kg	ND	500	09/29/20 02:05	
2-Chlorotoluene	ug/kg	ND	250	09/29/20 02:05	
2-Hexanone	ug/kg	ND	1000	09/29/20 02:05	
4-Chlorotoluene	ug/kg	ND	250	09/29/20 02:05	
4-Methyl-2-pentanone (MIBK)	ug/kg	ND	500	09/29/20 02:05	
Acetone	ug/kg	ND	1000	09/29/20 02:05	
Benzene	ug/kg	ND	250	09/29/20 02:05	
Bromobenzene	ug/kg	ND	250	09/29/20 02:05	
Bromochloromethane	ug/kg	ND	250	09/29/20 02:05	
Bromodichloromethane	ug/kg	ND	250	09/29/20 02:05	
Bromoform	ug/kg	ND	250	09/29/20 02:05	
Bromomethane	ug/kg	ND	250	09/29/20 02:05	
Carbon disulfide	ug/kg	ND	250	09/29/20 02:05	
Carbon tetrachloride	ug/kg	ND	250	09/29/20 02:05	
Chlorobenzene	ug/kg	ND	250	09/29/20 02:05	
Chloroethane	ug/kg	ND	250	09/29/20 02:05	
Chloroform	ug/kg	ND	250	09/29/20 02:05	
Chloromethane	ug/kg	ND	250	09/29/20 02:05	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: PINE LAWN

Pace Project No.: 60349230

METHOD BLANK: 2746917

Matrix: Solid

Associated Lab Samples: 60349230005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
cis-1,2-Dichloroethene	ug/kg	ND	250	09/29/20 02:05	
cis-1,3-Dichloropropene	ug/kg	ND	250	09/29/20 02:05	
Dibromochloromethane	ug/kg	ND	250	09/29/20 02:05	
Dibromomethane	ug/kg	ND	250	09/29/20 02:05	
Dichlorodifluoromethane	ug/kg	ND	250	09/29/20 02:05	
Ethylbenzene	ug/kg	ND	250	09/29/20 02:05	
Hexachloro-1,3-butadiene	ug/kg	ND	250	09/29/20 02:05	
Isopropylbenzene (Cumene)	ug/kg	ND	250	09/29/20 02:05	
Methyl-tert-butyl ether	ug/kg	ND	250	09/29/20 02:05	
Methylene Chloride	ug/kg	ND	250	09/29/20 02:05	
n-Butylbenzene	ug/kg	ND	250	09/29/20 02:05	
n-Propylbenzene	ug/kg	ND	250	09/29/20 02:05	
Naphthalene	ug/kg	ND	500	09/29/20 02:05	
p-Isopropyltoluene	ug/kg	ND	250	09/29/20 02:05	
sec-Butylbenzene	ug/kg	ND	250	09/29/20 02:05	
Styrene	ug/kg	ND	250	09/29/20 02:05	
tert-Butylbenzene	ug/kg	ND	1250	09/29/20 02:05	
Tetrachloroethene	ug/kg	ND	250	09/29/20 02:05	
Toluene	ug/kg	ND	250	09/29/20 02:05	
trans-1,2-Dichloroethene	ug/kg	ND	250	09/29/20 02:05	
trans-1,3-Dichloropropene	ug/kg	ND	250	09/29/20 02:05	
Trichloroethene	ug/kg	ND	250	09/29/20 02:05	
Trichlorofluoromethane	ug/kg	ND	250	09/29/20 02:05	
Vinyl chloride	ug/kg	ND	250	09/29/20 02:05	
Xylene (Total)	ug/kg	ND	250	09/29/20 02:05	
1,2-Dichloroethane-d4 (S)	%	93	78-118	09/29/20 02:05	
4-Bromofluorobenzene (S)	%	96	83-119	09/29/20 02:05	
Toluene-d8 (S)	%	104	80-120	09/29/20 02:05	

LABORATORY CONTROL SAMPLE: 2746918

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	5000	5490	110	80-119	
1,1,1-Trichloroethane	ug/kg	5000	4810	96	77-121	
1,1,2,2-Tetrachloroethane	ug/kg	5000	4980	100	74-116	
1,1,2-Trichloroethane	ug/kg	5000	5470	109	76-115	
1,1-Dichloroethane	ug/kg	5000	4590	92	77-120	
1,1-Dichloroethene	ug/kg	5000	5240	105	66-129	
1,1-Dichloropropene	ug/kg	5000	4240	85	79-121	
1,2,3-Trichlorobenzene	ug/kg	5000	5120	102	80-120	
1,2,3-Trichloropropane	ug/kg	5000	5210	104	74-118	
1,2,4-Trichlorobenzene	ug/kg	5000	4780	96	75-120	
1,2,4-Trimethylbenzene	ug/kg	5000	4850	97	77-116	
1,2-Dibromo-3-chloropropane	ug/kg	5000	5010	100	74-121	

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QUALITY CONTROL DATA

Project: PINE LAWN

Pace Project No.: 60349230

LABORATORY CONTROL SAMPLE: 2746918

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dibromoethane (EDB)	ug/kg	5000	5600	112	80-117	
1,2-Dichlorobenzene	ug/kg	5000	5170	103	48-146	
1,2-Dichloroethane	ug/kg	5000	4880	98	74-110	
1,2-Dichloroethene (Total)	ug/kg	10000	10500	105	79-120	
1,2-Dichloropropane	ug/kg	5000	5030	101	79-115	
1,3,5-Trimethylbenzene	ug/kg	5000	4820	96	76-115	
1,3-Dichlorobenzene	ug/kg	5000	5000	100	76-115	
1,3-Dichloropropane	ug/kg	5000	5390	108	75-111	
1,4-Dichlorobenzene	ug/kg	5000	4700	94	73-119	
2,2-Dichloropropane	ug/kg	5000	4340	87	76-121	
2-Butanone (MEK)	ug/kg	25000	23700	95	70-116	
2-Chlorotoluene	ug/kg	5000	4840	97	78-117	
2-Hexanone	ug/kg	25000	24500	98	71-117	
4-Chlorotoluene	ug/kg	5000	4890	98	77-115	
4-Methyl-2-pentanone (MIBK)	ug/kg	25000	24500	98	73-116	
Acetone	ug/kg	25000	21900	88	60-125	
Benzene	ug/kg	5000	4910	98	73-117	
Bromobenzene	ug/kg	5000	5200	104	79-115	
Bromochloromethane	ug/kg	5000	5730	115	76-116	
Bromodichloromethane	ug/kg	5000	5350	107	80-120	
Bromoform	ug/kg	5000	6010	120	77-127	
Bromomethane	ug/kg	5000	4740	95	29-165	
Carbon disulfide	ug/kg	5000	5980	120	54-133	
Carbon tetrachloride	ug/kg	5000	5090	102	78-126	
Chlorobenzene	ug/kg	5000	5250	105	63-130	
Chloroethane	ug/kg	5000	4810	96	31-170	
Chloroform	ug/kg	5000	5170	103	80-118	
Chloromethane	ug/kg	5000	3470	69	10-168	
cis-1,2-Dichloroethene	ug/kg	5000	5210	104	80-117	
cis-1,3-Dichloropropene	ug/kg	5000	4970	99	80-120	
Dibromochloromethane	ug/kg	5000	5980	120	78-122	
Dibromomethane	ug/kg	5000	5390	108	78-119	
Dichlorodifluoromethane	ug/kg	5000	2630	53	10-206	
Ethylbenzene	ug/kg	5000	4940	99	73-121	
Hexachloro-1,3-butadiene	ug/kg	5000	4600	92	75-129	
Isopropylbenzene (Cumene)	ug/kg	5000	4860	97	74-115	
Methyl-tert-butyl ether	ug/kg	5000	5160	103	73-129	
Methylene Chloride	ug/kg	5000	5070	101	70-128	
n-Butylbenzene	ug/kg	5000	4670	93	78-123	
n-Propylbenzene	ug/kg	5000	4720	94	77-120	
Naphthalene	ug/kg	5000	5500	110	76-120	
p-Isopropyltoluene	ug/kg	5000	4290	86	78-117	
sec-Butylbenzene	ug/kg	5000	5090	102	83-126	
Styrene	ug/kg	5000	5390	108	80-117	
tert-Butylbenzene	ug/kg	5000	4710	94	79-117	
Tetrachloroethene	ug/kg	5000	5140	103	72-122	
Toluene	ug/kg	5000	5030	101	77-119	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: PINE LAWN

Pace Project No.: 60349230

LABORATORY CONTROL SAMPLE: 2746918

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
trans-1,2-Dichloroethene	ug/kg	5000	5300	106	75-123	
trans-1,3-Dichloropropene	ug/kg	5000	5360	107	79-124	
Trichloroethene	ug/kg	5000	5150	103	82-128	
Trichlorofluoromethane	ug/kg	5000	5250	105	56-129	
Vinyl chloride	ug/kg	5000	4220	84	36-176	
Xylene (Total)	ug/kg	15000	14900	99	76-119	
1,2-Dichloroethane-d4 (S)	%			95	78-118	
4-Bromofluorobenzene (S)	%			94	83-119	
Toluene-d8 (S)	%			103	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2746919 2746920

Parameter	Units	60349230005 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,1,1,2-Tetrachloroethane	ug/kg	ND	3410	3410	3090	3350	91	98	12-128	8	59	
1,1,1-Trichloroethane	ug/kg	ND	3410	3410	2770	3060	81	90	15-131	10	75	
1,1,2,2-Tetrachloroethane	ug/kg	ND	3410	3410	3250	3540	95	104	10-132	8	65	
1,1,2-Trichloroethane	ug/kg	ND	3410	3410	3610	3910	106	115	14-132	8	54	
1,1-Dichloroethane	ug/kg	ND	3410	3410	3020	2870	89	84	23-126	5	64	
1,1-Dichloroethene	ug/kg	ND	3410	3410	2670	2990	78	88	20-129	11	80	
1,1-Dichloropropene	ug/kg	ND	3410	3410	2480	2820	73	83	15-127	13	78	
1,2,3-Trichlorobenzene	ug/kg	ND	3410	3410	3180	3450	93	101	10-124	8	67	
1,2,3-Trichloropropane	ug/kg	ND	3410	3410	3300	3610	97	106	19-125	9	51	
1,2,4-Trichlorobenzene	ug/kg	ND	3410	3410	3020	3310	89	97	10-129	9	73	
1,2,4-Trimethylbenzene	ug/kg	ND	3410	3410	2980	3290	87	96	10-124	10	68	
1,2-Dibromo-3-chloropropane	ug/kg	ND	3410	3410	3430	3630	101	107	10-135	6	56	
1,2-Dibromoethane (EDB)	ug/kg	ND	3410	3410	3250	3580	95	105	23-123	10	50	
1,2-Dichlorobenzene	ug/kg	ND	3410	3410	3190	3450	94	101	10-126	8	60	
1,2-Dichloroethane	ug/kg	ND	3410	3410	2870	3160	84	93	27-116	10	45	
1,2-Dichloroethene (Total)	ug/kg	ND	6820	6820	5890	6490	86	95	20-127	10	64	
1,2-Dichloropropane	ug/kg	ND	3410	3410	3030	3380	89	99	21-125	11	57	
1,3,5-Trimethylbenzene	ug/kg	ND	3410	3410	2950	3280	86	96	10-125	11	65	
1,3-Dichlorobenzene	ug/kg	ND	3410	3410	3050	3320	90	97	10-126	8	63	
1,3-Dichloropropane	ug/kg	ND	3410	3410	3100	3380	91	99	24-114	8	51	
1,4-Dichlorobenzene	ug/kg	ND	3410	3410	2930	3180	86	93	10-126	8	62	
2,2-Dichloropropane	ug/kg	ND	3410	3410	2480	2800	73	82	17-124	12	70	
2-Butanone (MEK)	ug/kg	ND	17000	17000	14600	16500	84	95	29-120	12	50	
2-Chlorotoluene	ug/kg	ND	3410	3410	2940	3230	85	94	10-138	9	70	
2-Hexanone	ug/kg	ND	17000	17000	14900	16700	87	98	25-121	12	51	
4-Chlorotoluene	ug/kg	ND	3410	3410	2960	3260	87	96	10-112	10	62	
4-Methyl-2-pentanone (MIBK)	ug/kg	ND	17000	17000	15000	16900	88	99	23-131	12	50	
Acetone	ug/kg	ND	17000	17000	14000	15600	81	91	15-129	11	49	
Benzene	ug/kg	ND	3410	3410	2820	3110	83	91	17-134	10	53	
Bromobenzene	ug/kg	ND	3410	3410	3110	3400	91	100	10-129	9	63	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: PINE LAWN

Pace Project No.: 60349230

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2746919 2746920											
Parameter	Units	60349230005 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	Max RPD	Qual
Bromochloromethane	ug/kg	ND	3410	3410	3250	3600	95	106	28-118	10	53
Bromodichloromethane	ug/kg	ND	3410	3410	3170	3480	93	102	21-126	10	59
Bromoform	ug/kg	ND	3410	3410	3330	3600	98	106	14-127	8	60
Bromomethane	ug/kg	ND	3410	3410	1090	1220	31	35	10-121	11	67
Carbon disulfide	ug/kg	ND	3410	3410	2730	3000	80	88	10-122	10	78
Carbon tetrachloride	ug/kg	ND	3410	3410	2790	3110	82	91	10-134	11	82
Chlorobenzene	ug/kg	ND	3410	3410	3020	3330	89	98	10-126	10	60
Chloroethane	ug/kg	ND	3410	3410	732	842	21	25	10-133	14	79
Chloroform	ug/kg	ND	3410	3410	3010	3320	88	97	24-126	10	60
Chloromethane	ug/kg	ND	3410	3410	1320	1380	38	40	10-125	5	78
cis-1,2-Dichloroethene	ug/kg	ND	3410	3410	2980	3270	88	96	18-131	9	62
cis-1,3-Dichloropropene	ug/kg	ND	3410	3410	2900	3200	85	94	24-117	10	60
Dibromochloromethane	ug/kg	ND	3410	3410	3300	3550	97	104	22-117	7	59
Dibromomethane	ug/kg	ND	3410	3410	3170	3470	93	102	29-118	9	52
Dichlorodifluoromethane	ug/kg	ND	3410	3410	745	802	22	24	10-161	7	84
Ethylbenzene	ug/kg	ND	3410	3410	2910	3200	85	93	10-137	10	60
Hexachloro-1,3-butadiene	ug/kg	ND	3410	3410	2860	3180	84	93	10-124	10	76
Isopropylbenzene (Cumene)	ug/kg	353	3410	3410	3260	3620	85	96	10-123	11	72
Methyl-tert-butyl ether	ug/kg	ND	3410	3410	2980	3290	87	96	31-126	10	42
Methylene Chloride	ug/kg	ND	3410	3410	2890	3160	82	90	23-117	9	59
n-Butylbenzene	ug/kg	554	3410	3410	3580	4020	89	102	10-130	11	78
n-Propylbenzene	ug/kg	595	3410	3410	3550	3890	87	97	10-121	9	70
Naphthalene	ug/kg	ND	3410	3410	3560	3870	105	114	10-131	8	63
p-Isopropyltoluene	ug/kg	309	3410	3410	3090	3410	82	91	10-127	10	76
sec-Butylbenzene	ug/kg	318	3410	3410	3440	3810	92	102	10-137	10	81
Styrene	ug/kg	ND	3410	3410	3130	3470	92	102	10-119	10	56
tert-Butylbenzene	ug/kg	ND	3410	3410	2960	3330	86	97	10-121	12	80
Tetrachloroethene	ug/kg	ND	3410	3410	2880	3220	85	94	10-131	11	78
Toluene	ug/kg	ND	3410	3410	2860	3140	84	92	13-131	9	60
trans-1,2-Dichloroethene	ug/kg	ND	3410	3410	2900	3220	85	94	22-125	10	70
trans-1,3-Dichloropropene	ug/kg	ND	3410	3410	3000	3300	88	97	20-122	9	54
Trichloroethene	ug/kg	ND	3410	3410	3020	3380	89	99	14-144	11	69
Trichlorofluoromethane	ug/kg	ND	3410	3410	2650	2940	78	86	10-134	10	86
Vinyl chloride	ug/kg	ND	3410	3410	1460	1620	43	47	10-141	10	81
Xylene (Total)	ug/kg	ND	10200	10200	8720	9650	85	94	10-137	10	58
1,2-Dichloroethane-d4 (S)	%						94	95	78-118		
4-Bromofluorobenzene (S)	%						104	103	83-119		
Toluene-d8 (S)	%						102	100	80-120		

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QUALITY CONTROL DATA

Project: PINE LAWN

Pace Project No.: 60349230

QC Batch: 679323

Analysis Method: EPA 5035A/8260

QC Batch Method: EPA 5035/5030

Analysis Description: 8260 MSV GRO and Oxygenates

Laboratory: Pace Analytical Services - Kansas City

Associated Lab Samples: 60349230005

METHOD BLANK: 2746921

Matrix: Solid

Associated Lab Samples: 60349230005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
TPH-GRO	mg/kg	ND	25.0	09/29/20 16:18	
1,2-Dichloroethane-d4 (S)	%	95	78-118	09/29/20 16:18	
4-Bromofluorobenzene (S)	%	96	85-115	09/29/20 16:18	
Toluene-d8 (S)	%	102	80-120	09/29/20 16:18	

LABORATORY CONTROL SAMPLE: 2746922

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
TPH-GRO	mg/kg	200	129	64	55-162	
1,2-Dichloroethane-d4 (S)	%			96	78-118	
4-Bromofluorobenzene (S)	%			95	85-115	
Toluene-d8 (S)	%			103	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2746923 2746924

Parameter	Units	60349447003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,2-Dichloroethane-d4 (S)	%						94	94	78-118			
4-Bromofluorobenzene (S)	%						96	95	85-115			
Toluene-d8 (S)	%						102	102	80-120			

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QUALITY CONTROL DATA

Project: PINE LAWN

Pace Project No.: 60349230

QC Batch: 678887

Analysis Method: EPA 8260

QC Batch Method: EPA 5035

Analysis Description: 8260 MSV GRO and Oxygenates

Laboratory: Pace Analytical Services - Kansas City

Associated Lab Samples: 60349230001, 60349230002, 60349230004, 60349230006

METHOD BLANK: 2744774

Matrix: Solid

Associated Lab Samples: 60349230001, 60349230002, 60349230004, 60349230006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
TPH-GRO	mg/kg	ND	0.50	09/24/20 21:41	
1,2-Dichloroethane-d4 (S)	%	96	80-123	09/24/20 21:41	
4-Bromofluorobenzene (S)	%	97	69-133	09/24/20 21:41	
Toluene-d8 (S)	%	103	78-122	09/24/20 21:41	

LABORATORY CONTROL SAMPLE: 2744775

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
TPH-GRO	mg/kg	4	3.2	79	61-140	
1,2-Dichloroethane-d4 (S)	%			97	80-123	
4-Bromofluorobenzene (S)	%			98	69-133	
Toluene-d8 (S)	%			103	78-122	

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QUALITY CONTROL DATA

Project: PINE LAWN
Pace Project No.: 60349230

QC Batch: 679537 Analysis Method: EPA 8082
QC Batch Method: EPA 3546 Analysis Description: 8082 GCS PCB
Laboratory: Pace Analytical Services - Kansas City
Associated Lab Samples: 60349230001, 60349230002, 60349230004, 60349230005, 60349230006

METHOD BLANK: 2747540 Matrix: Solid
Associated Lab Samples: 60349230001, 60349230002, 60349230004, 60349230005, 60349230006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
PCB-1016 (Aroclor 1016)	ug/kg	ND	32.6	10/01/20 15:18	
PCB-1221 (Aroclor 1221)	ug/kg	ND	32.6	10/01/20 15:18	
PCB-1232 (Aroclor 1232)	ug/kg	ND	32.6	10/01/20 15:18	
PCB-1242 (Aroclor 1242)	ug/kg	ND	32.6	10/01/20 15:18	
PCB-1248 (Aroclor 1248)	ug/kg	ND	32.6	10/01/20 15:18	
PCB-1254 (Aroclor 1254)	ug/kg	ND	32.6	10/01/20 15:18	
PCB-1260 (Aroclor 1260)	ug/kg	ND	32.6	10/01/20 15:18	
Decachlorobiphenyl (S)	%	89	28-143	10/01/20 15:18	

LABORATORY CONTROL SAMPLE: 2747541

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
PCB-1016 (Aroclor 1016)	ug/kg	164	148	91	61-130	
PCB-1260 (Aroclor 1260)	ug/kg	164	152	93	56-128	
Decachlorobiphenyl (S)	%			87	28-143	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2747542 2747543

Parameter	Units	60348944003 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	ND	177	185	144	156	82	84	38-131	8	38	
PCB-1260 (Aroclor 1260)	ug/kg	ND	177	185	177	184	100	99	30-141	4	40	
Decachlorobiphenyl (S)	%						87	86	28-143			

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: PINE LAWN

Pace Project No.: 60349230

QC Batch: 678954

Analysis Method: EPA 8270

QC Batch Method: EPA 3546

Analysis Description: 8270 Solid MSSV Microwave

Laboratory: Pace Analytical Services - Kansas City

Associated Lab Samples: 60349230001, 60349230002, 60349230004, 60349230005, 60349230006

METHOD BLANK: 2745191

Matrix: Solid

Associated Lab Samples: 60349230001, 60349230002, 60349230004, 60349230005, 60349230006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,2,4-Trichlorobenzene	ug/kg	ND	327	09/29/20 12:55	
1,2-Dichlorobenzene	ug/kg	ND	327	09/29/20 12:55	
1,3-Dichlorobenzene	ug/kg	ND	327	09/29/20 12:55	
1,4-Dichlorobenzene	ug/kg	ND	327	09/29/20 12:55	
2,4,5-Trichlorophenol	ug/kg	ND	327	09/29/20 12:55	
2,4,6-Trichlorophenol	ug/kg	ND	327	09/29/20 12:55	
2,4-Dichlorophenol	ug/kg	ND	327	09/29/20 12:55	
2,4-Dimethylphenol	ug/kg	ND	327	09/29/20 12:55	
2,4-Dinitrophenol	ug/kg	ND	1660	09/29/20 12:55	
2,4-Dinitrotoluene	ug/kg	ND	327	09/29/20 12:55	
2,6-Dinitrotoluene	ug/kg	ND	327	09/29/20 12:55	
2-Chloronaphthalene	ug/kg	ND	327	09/29/20 12:55	
2-Chlorophenol	ug/kg	ND	327	09/29/20 12:55	
2-Methylnaphthalene	ug/kg	ND	327	09/29/20 12:55	
2-Methylphenol(o-Cresol)	ug/kg	ND	327	09/29/20 12:55	
2-Nitroaniline	ug/kg	ND	654	09/29/20 12:55	
2-Nitrophenol	ug/kg	ND	327	09/29/20 12:55	
3&4-Methylphenol(m&p Cresol)	ug/kg	ND	327	09/29/20 12:55	
3,3'-Dichlorobenzidine	ug/kg	ND	654	09/29/20 12:55	
3-Nitroaniline	ug/kg	ND	654	09/29/20 12:55	
4,6-Dinitro-2-methylphenol	ug/kg	ND	1660	09/29/20 12:55	
4-Bromophenylphenyl ether	ug/kg	ND	327	09/29/20 12:55	
4-Chloro-3-methylphenol	ug/kg	ND	654	09/29/20 12:55	
4-Chloroaniline	ug/kg	ND	654	09/29/20 12:55	
4-Chlorophenylphenyl ether	ug/kg	ND	327	09/29/20 12:55	
4-Nitroaniline	ug/kg	ND	654	09/29/20 12:55	
4-Nitrophenol	ug/kg	ND	1660	09/29/20 12:55	
Acenaphthene	ug/kg	ND	327	09/29/20 12:55	
Acenaphthylene	ug/kg	ND	327	09/29/20 12:55	
Anthracene	ug/kg	ND	327	09/29/20 12:55	
Benzo(a)anthracene	ug/kg	ND	327	09/29/20 12:55	
Benzo(a)pyrene	ug/kg	ND	327	09/29/20 12:55	
Benzo(b)fluoranthene	ug/kg	ND	327	09/29/20 12:55	
Benzo(g,h,i)perylene	ug/kg	ND	327	09/29/20 12:55	
Benzo(k)fluoranthene	ug/kg	ND	327	09/29/20 12:55	
Benzoic Acid	ug/kg	ND	1660	09/29/20 12:55	
Benzyl alcohol	ug/kg	ND	654	09/29/20 12:55	
bis(2-Chloroethoxy)methane	ug/kg	ND	327	09/29/20 12:55	
bis(2-Chloroethyl) ether	ug/kg	ND	327	09/29/20 12:55	
bis(2-Chloroisopropyl) ether	ug/kg	ND	327	09/29/20 12:55	

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QUALITY CONTROL DATA

Project: PINE LAWN

Pace Project No.: 60349230

METHOD BLANK: 2745191

Matrix: Solid

Associated Lab Samples: 60349230001, 60349230002, 60349230004, 60349230005, 60349230006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
bis(2-Ethylhexyl)phthalate	ug/kg	ND	327	09/29/20 12:55	
Butylbenzylphthalate	ug/kg	ND	327	09/29/20 12:55	
Carbazole	ug/kg	ND	327	09/29/20 12:55	
Chrysene	ug/kg	ND	327	09/29/20 12:55	
Di-n-butylphthalate	ug/kg	ND	327	09/29/20 12:55	
Di-n-octylphthalate	ug/kg	ND	327	09/29/20 12:55	
Dibenz(a,h)anthracene	ug/kg	ND	327	09/29/20 12:55	
Dibenzofuran	ug/kg	ND	327	09/29/20 12:55	
Diethylphthalate	ug/kg	ND	327	09/29/20 12:55	
Dimethylphthalate	ug/kg	ND	327	09/29/20 12:55	
Fluoranthene	ug/kg	ND	327	09/29/20 12:55	
Fluorene	ug/kg	ND	327	09/29/20 12:55	
Hexachloro-1,3-butadiene	ug/kg	ND	327	09/29/20 12:55	
Hexachlorobenzene	ug/kg	ND	327	09/29/20 12:55	
Hexachlorocyclopentadiene	ug/kg	ND	327	09/29/20 12:55	
Hexachloroethane	ug/kg	ND	327	09/29/20 12:55	
Indeno(1,2,3-cd)pyrene	ug/kg	ND	327	09/29/20 12:55	
Isophorone	ug/kg	ND	327	09/29/20 12:55	
N-Nitroso-di-n-propylamine	ug/kg	ND	327	09/29/20 12:55	
N-Nitrosodiphenylamine	ug/kg	ND	327	09/29/20 12:55	
Naphthalene	ug/kg	ND	327	09/29/20 12:55	
Nitrobenzene	ug/kg	ND	327	09/29/20 12:55	
Pentachlorophenol	ug/kg	ND	1660	09/29/20 12:55	
Phenanthrene	ug/kg	ND	327	09/29/20 12:55	
Phenol	ug/kg	ND	327	09/29/20 12:55	
Pyrene	ug/kg	ND	327	09/29/20 12:55	
Pyridine	ug/kg	ND	327	09/29/20 12:55	
2,4,6-Tribromophenol (S)	%	78	41-108	09/29/20 12:55	
2-Fluorobiphenyl (S)	%	90	39-136	09/29/20 12:55	
2-Fluorophenol (S)	%	77	43-96	09/29/20 12:55	
Nitrobenzene-d5 (S)	%	86	33-132	09/29/20 12:55	
Phenol-d6 (S)	%	81	43-95	09/29/20 12:55	
Terphenyl-d14 (S)	%	93	29-131	09/29/20 12:55	

LABORATORY CONTROL SAMPLE: 2745192

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2,4-Trichlorobenzene	ug/kg	1590	1270	80	52-104	
1,2-Dichlorobenzene	ug/kg	1590	1220	77	51-99	
1,3-Dichlorobenzene	ug/kg	1590	1200	75	48-102	
1,4-Dichlorobenzene	ug/kg	1590	1220	77	49-101	
2,4,5-Trichlorophenol	ug/kg	1590	1420	89	58-109	
2,4,6-Trichlorophenol	ug/kg	1590	1380	87	56-109	
2,4-Dichlorophenol	ug/kg	1590	1290	81	54-106	

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QUALITY CONTROL DATA

Project: PINE LAWN

Pace Project No.: 60349230

LABORATORY CONTROL SAMPLE: 2745192

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
2,4-Dimethylphenol	ug/kg	1590	941	59	49-104	
2,4-Dinitrophenol	ug/kg	1590	1060J	67	26-119	
2,4-Dinitrotoluene	ug/kg	1590	1390	88	60-109	
2,6-Dinitrotoluene	ug/kg	1590	1380	87	59-109	
2-Chloronaphthalene	ug/kg	1590	1330	84	56-104	
2-Chlorophenol	ug/kg	1590	1260	80	56-98	
2-Methylnaphthalene	ug/kg	1590	1340	84	53-103	
2-Methylphenol(o-Cresol)	ug/kg	1590	1240	78	52-102	
2-Nitroaniline	ug/kg	1590	1350	85	54-113	
2-Nitrophenol	ug/kg	1590	1260	79	51-111	
3&4-Methylphenol(m&p Cresol)	ug/kg	1590	1190	75	52-102	
3,3'-Dichlorobenzidine	ug/kg	1590	625J	39	19-126	
3-Nitroaniline	ug/kg	1590	792	50	31-122	
4,6-Dinitro-2-methylphenol	ug/kg	1590	1100J	69	37-117	
4-Bromophenylphenyl ether	ug/kg	1590	1330	84	60-106	
4-Chloro-3-methylphenol	ug/kg	1590	1350	85	55-107	
4-Chloroaniline	ug/kg	1590	472J	30	10-116	
4-Chlorophenylphenyl ether	ug/kg	1590	1350	85	56-107	
4-Nitroaniline	ug/kg	1590	1180	75	52-113	
4-Nitrophenol	ug/kg	1590	1380J	87	53-114	
Acenaphthene	ug/kg	1590	1400	88	55-105	
Acenaphthylene	ug/kg	1590	1440	90	57-105	
Anthracene	ug/kg	1590	1310	83	59-106	
Benzo(a)anthracene	ug/kg	1590	1350	85	59-109	
Benzo(a)pyrene	ug/kg	1590	1310	83	59-109	
Benzo(b)fluoranthene	ug/kg	1590	1360	85	56-112	
Benzo(g,h,i)perylene	ug/kg	1590	1360	86	57-109	
Benzo(k)fluoranthene	ug/kg	1590	1380	87	57-107	
Benzoic Acid	ug/kg	1590	1960	123	10-96	L1
Benzyl alcohol	ug/kg	1590	1260	79	56-103	
bis(2-Chloroethoxy)methane	ug/kg	1590	1260	80	52-102	
bis(2-Chloroethyl) ether	ug/kg	1590	1240	78	51-100	
bis(2-Chloroisopropyl) ether	ug/kg	1590	1260	80	47-101	
bis(2-Ethylhexyl)phthalate	ug/kg	1590	1400	88	61-113	
Butylbenzylphthalate	ug/kg	1590	1360	85	62-110	
Carbazole	ug/kg	1590	1350	85	60-106	
Chrysene	ug/kg	1590	1390	88	58-108	
Di-n-butylphthalate	ug/kg	1590	1370	86	61-110	
Di-n-octylphthalate	ug/kg	1590	1450	91	58-114	
Dibenz(a,h)anthracene	ug/kg	1590	1420	90	57-109	
Dibenzofuran	ug/kg	1590	1390	87	56-106	
Diethylphthalate	ug/kg	1590	1370	86	57-107	
Dimethylphthalate	ug/kg	1590	1380	87	55-106	
Fluoranthene	ug/kg	1590	1310	82	60-109	
Fluorene	ug/kg	1590	1350	85	56-107	
Hexachloro-1,3-butadiene	ug/kg	1590	1300	82	50-106	
Hexachlorobenzene	ug/kg	1590	1290	81	56-107	

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QUALITY CONTROL DATA

Project: PINE LAWN

Pace Project No.: 60349230

LABORATORY CONTROL SAMPLE: 2745192

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Hexachlorocyclopentadiene	ug/kg	1590	1290	81	18-118	
Hexachloroethane	ug/kg	1590	1160	73	49-101	
Indeno(1,2,3-cd)pyrene	ug/kg	1590	1410	89	58-108	
Isophorone	ug/kg	1590	1300	82	53-99	
N-Nitroso-di-n-propylamine	ug/kg	1590	1200	76	50-101	
N-Nitrosodiphenylamine	ug/kg	1590	1340	84	58-107	
Naphthalene	ug/kg	1590	1280	80	51-103	
Nitrobenzene	ug/kg	1590	1290	81	51-104	
Pentachlorophenol	ug/kg	1590	887J	56	43-123	
Phenanthrene	ug/kg	1590	1340	84	58-106	
Phenol	ug/kg	1590	1260	79	53-101	
Pyrene	ug/kg	1590	1390	88	60-108	
Pyridine	ug/kg	1590	802	51	33-72	
2,4,6-Tribromophenol (S)	%			83	41-108	
2-Fluorobiphenyl (S)	%			87	39-136	
2-Fluorophenol (S)	%			75	43-96	
Nitrobenzene-d5 (S)	%			83	33-132	
Phenol-d6 (S)	%			75	43-95	
Terphenyl-d14 (S)	%			90	29-131	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2745193 2745194

Parameter	Units	60348880001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,2,4-Trichlorobenzene	ug/kg	ND	2040	2000	1550	1600	76	80	42-102	3	26	
1,2-Dichlorobenzene	ug/kg	ND	2040	2000	1560	1540	77	77	45-96	1	31	
1,3-Dichlorobenzene	ug/kg	ND	2040	2000	1490	1510	73	75	44-95	1	31	
1,4-Dichlorobenzene	ug/kg	ND	2040	2000	1510	1520	74	76	45-95	1	30	
2,4,5-Trichlorophenol	ug/kg	ND	2040	2000	1650	1720	81	86	47-109	4	31	
2,4,6-Trichlorophenol	ug/kg	ND	2040	2000	1670	1720	82	86	14-133	3	31	
2,4-Dichlorophenol	ug/kg	ND	2040	2000	1630	1670	80	83	36-111	2	29	
2,4-Dimethylphenol	ug/kg	ND	2040	2000	1670	1700	82	85	22-113	2	32	
2,4-Dinitrophenol	ug/kg	ND	2040	2000	745J	842J	37	42	10-116		35	
2,4-Dinitrotoluene	ug/kg	ND	2040	2000	1620	1720	80	86	10-133	6	32	
2,6-Dinitrotoluene	ug/kg	ND	2040	2000	1650	1730	81	86	17-125	4	25	
2-Chloronaphthalene	ug/kg	ND	2040	2000	1620	1690	80	85	47-105	4	28	
2-Chlorophenol	ug/kg	ND	2040	2000	1600	1650	78	83	44-100	3	31	
2-Methylnaphthalene	ug/kg	ND	2040	2000	1640	1680	81	84	43-104	2	28	
2-Methylphenol(o-Cresol)	ug/kg	ND	2040	2000	1620	1610	80	80	37-105	1	32	
2-Nitroaniline	ug/kg	ND	2040	2000	1720	1740	84	87	44-117	1	28	
2-Nitrophenol	ug/kg	ND	2040	2000	1620	1670	80	83	10-145	3	30	
3&4-Methylphenol(m&p Cresol)	ug/kg	ND	2040	2000	1640	1620	81	81	35-108	1	30	
3,3'-Dichlorobenzidine	ug/kg	ND	2040	2000	287J	525J	14	26	10-133		39	
3-Nitroaniline	ug/kg	ND	2040	2000	1340	1440	66	72	10-124	7	27	

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QUALITY CONTROL DATA

Project: PINE LAWN

Pace Project No.: 60349230

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2745193 2745194											
Parameter	Units	60348880001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	Max RPD	Qual
4,6-Dinitro-2-methylphenol	ug/kg	ND	2040	2000	1240J	1310J	61	65	10-123	30	
4-Bromophenylphenyl ether	ug/kg	ND	2040	2000	1750	1740	86	87	47-109	0	33
4-Chloro-3-methylphenol	ug/kg	ND	2040	2000	1700	1700	83	85	42-109	0	30
4-Chloroaniline	ug/kg	ND	2040	2000	826	815	41	41	10-94	1	33
4-Chlorophenylphenyl ether	ug/kg	ND	2040	2000	1640	1680	81	84	46-106	3	33
4-Nitroaniline	ug/kg	ND	2040	2000	1140	1220	56	61	11-126	7	47
4-Nitrophenol	ug/kg	ND	2040	2000	1640J	1820J	81	91	18-130		35
Acenaphthene	ug/kg	ND	2040	2000	1690	1730	83	87	44-104	3	23
Acenaphthylene	ug/kg	ND	2040	2000	1710	1800	84	90	47-102	5	29
Anthracene	ug/kg	ND	2040	2000	1710	1740	84	87	39-112	1	30
Benzo(a)anthracene	ug/kg	ND	2040	2000	1700	1710	83	85	10-139	0	32
Benzo(a)pyrene	ug/kg	ND	2040	2000	1640	1710	80	85	12-132	4	33
Benzo(b)fluoranthene	ug/kg	ND	2040	2000	1590	1720	78	86	12-136	8	37
Benzo(g,h,i)perylene	ug/kg	ND	2040	2000	1490	1710	73	85	22-119	14	41
Benzo(k)fluoranthene	ug/kg	ND	2040	2000	1700	1750	83	87	32-113	3	32
Benzoic Acid	ug/kg	ND	2040	2000	1470J	1440J	72	72	10-101		35
Benzyl alcohol	ug/kg	ND	2040	2000	1610	1630	79	81	46-103	1	31
bis(2-Chloroethoxy)methane	ug/kg	ND	2040	2000	1590	1630	78	81	41-100	2	29
bis(2-Chloroethyl) ether	ug/kg	ND	2040	2000	1590	1620	78	81	46-100	2	32
bis(2-Chloroisopropyl) ether	ug/kg	ND	2040	2000	1630	1560	80	78	40-99	4	29
bis(2-Ethylhexyl)phthalate	ug/kg	ND	2040	2000	1740	1800	85	90	24-141	3	33
Butylbenzylphthalate	ug/kg	ND	2040	2000	1730	1730	85	87	41-131	0	33
Carbazole	ug/kg	ND	2040	2000	1700	1690	84	85	41-107	0	30
Chrysene	ug/kg	ND	2040	2000	1730	1740	85	87	10-137	1	31
Di-n-butylphthalate	ug/kg	ND	2040	2000	1760	1800	87	90	41-118	2	31
Di-n-octylphthalate	ug/kg	ND	2040	2000	1740	1840	85	92	40-138	6	29
Dibenz(a,h)anthracene	ug/kg	ND	2040	2000	1510	1740	74	87	23-122	14	35
Dibenzofuran	ug/kg	ND	2040	2000	1640	1710	81	85	49-101	4	28
Diethylphthalate	ug/kg	ND	2040	2000	1680	1710	82	85	42-107	2	31
Dimethylphthalate	ug/kg	ND	2040	2000	1660	1710	82	86	37-108	3	30
Fluoranthene	ug/kg	ND	2040	2000	1770	1710	87	85	10-139	3	32
Fluorene	ug/kg	ND	2040	2000	1610	1700	79	85	43-108	6	32
Hexachloro-1,3-butadiene	ug/kg	ND	2040	2000	1600	1620	79	81	41-104	2	27
Hexachlorobenzene	ug/kg	ND	2040	2000	1760	1740	87	87	46-105	1	31
Hexachlorocyclopentadiene	ug/kg	ND	2040	2000	1090	1210	54	60	10-111	10	61
Hexachloroethane	ug/kg	ND	2040	2000	1530	1520	75	76	11-119	0	34
Indeno(1,2,3-cd)pyrene	ug/kg	ND	2040	2000	1480	1750	72	87	21-120	17	38
Isophorone	ug/kg	ND	2040	2000	1630	1650	80	82	44-97	1	28
N-Nitroso-di-n-propylamine	ug/kg	ND	2040	2000	1610	1590	79	79	37-108	2	30
N-Nitrosodiphenylamine	ug/kg	ND	2040	2000	1520	1650	75	82	41-108	8	36
Naphthalene	ug/kg	ND	2040	2000	1600	1600	78	80	40-105	0	31
Nitrobenzene	ug/kg	ND	2040	2000	1640	1630	80	82	35-106	0	29
Pentachlorophenol	ug/kg	ND	2040	2000	1570J	1590J	77	80	10-144		35
Phenanthrene	ug/kg	ND	2040	2000	1690	1740	83	86	43-108	3	29
Phenol	ug/kg	ND	2040	2000	1610	1630	79	81	38-102	1	29

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QUALITY CONTROL DATA

Project: PINE LAWN

Pace Project No.: 60349230

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2745193 2745194												
Parameter	Units	60348880001	MS	MSD	2745193		2745194		% Rec	% Rec	% Rec	Max
		Result	Spike Conc.	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec				
Pyrene	ug/kg	ND	2040	2000	1780	1730	87	86	10-147	3	38	
Pyridine	ug/kg	ND	2040	2000	893	910	44	46	10-79	2	35	
2,4,6-Tribromophenol (S)	%						79	84	41-108			
2-Fluorobiphenyl (S)	%						81	83	39-136			
2-Fluorophenol (S)	%						73	75	43-96			
Nitrobenzene-d5 (S)	%						83	82	33-132			
Phenol-d6 (S)	%						74	74	43-95			
Terphenyl-d14 (S)	%						90	87	29-131			

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QUALITY CONTROL DATA

Project: PINE LAWN
Pace Project No.: 60349230

QC Batch: 678956 Analysis Method: EPA 8270
QC Batch Method: EPA 3546 Analysis Description: 8270 MSSV TPH ORO
Laboratory: Pace Analytical Services - Kansas City
Associated Lab Samples: 60349230001, 60349230002, 60349230004, 60349230005, 60349230006

METHOD BLANK: 2745200 Matrix: Solid
Associated Lab Samples: 60349230001, 60349230002, 60349230004, 60349230005, 60349230006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
TPH-DRO	mg/kg	ND	14.9	09/28/20 22:14	
TPH-ORO	mg/kg	ND	14.9	09/28/20 22:14	
2-Fluorobiphenyl (S)	%	88	39-136	09/28/20 22:14	
Nitrobenzene-d5 (S)	%	79	33-132	09/28/20 22:14	
Terphenyl-d14 (S)	%	88	29-131	09/28/20 22:14	

LABORATORY CONTROL SAMPLE: 2745201

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
TPH-DRO	mg/kg	328	249	76	39-122	
TPH-ORO	mg/kg		12.7J			
2-Fluorobiphenyl (S)	%			87	39-136	
Nitrobenzene-d5 (S)	%			82	33-132	
Terphenyl-d14 (S)	%			86	29-131	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2745202 2745203

Parameter	Units	60348880002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
TPH-DRO	mg/kg	ND	424	406	313	312	74	77	12-137	0	38	
TPH-ORO	mg/kg	ND			17.9J	19.8					51	
2-Fluorobiphenyl (S)	%						80	83	39-136			
Nitrobenzene-d5 (S)	%						76	81	33-132			
Terphenyl-d14 (S)	%						78	82	29-131			

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

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: PINE LAWN

Pace Project No.: 60349230

QC Batch: 678753

Analysis Method: ASTM D2974

QC Batch Method: ASTM D2974

Analysis Description: Dry Weight/Percent Moisture

Laboratory: Pace Analytical Services - Kansas City

Associated Lab Samples: 60349230001

METHOD BLANK: 2744409

Matrix: Solid

Associated Lab Samples: 60349230001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Percent Moisture	%	ND	0.50	09/24/20 14:25	

SAMPLE DUPLICATE: 2744410

Parameter	Units	60348965020 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	25.4	25.8	2	20	

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QUALITY CONTROL DATA

Project: PINE LAWN

Pace Project No.: 60349230

QC Batch: 678754

Analysis Method: ASTM D2974

QC Batch Method: ASTM D2974

Analysis Description: Dry Weight/Percent Moisture

Laboratory: Pace Analytical Services - Kansas City

Associated Lab Samples: 60349230002, 60349230004, 60349230005, 60349230006

METHOD BLANK: 2744412

Matrix: Solid

Associated Lab Samples: 60349230002, 60349230004, 60349230005, 60349230006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Percent Moisture	%	ND	0.50	09/24/20 15:45	

SAMPLE DUPLICATE: 2744413

Parameter	Units	60349206002 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	17.9	17.9	0	20	

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QUALIFIERS

Project: PINE LAWN

Pace Project No.: 60349230

DEFINITIONS

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

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

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

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

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

S - Surrogate

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

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

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

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

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

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

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

D3	Sample was diluted due to the presence of high levels of non-target analytes or other matrix interference.
L1	Analyte recovery in the laboratory control sample (LCS) was above QC limits. Results for this analyte in associated samples may be biased high.
P3	Sample extract could not be concentrated to the routine final volume, resulting in elevated reporting limits.
SS	This analyte did not meet the secondary source verification criteria for the initial calibration. The reported result should be considered an estimated value.

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: PINE LAWN

Pace Project No.: 60349230

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
60349230001	DPT-9-SO-(29-30)	EPA 3546	679537	EPA 8082	680254
60349230002	DPT-10-SO-(29-30)	EPA 3546	679537	EPA 8082	680254
60349230004	DPT-11-SO-(2-3)	EPA 3546	679537	EPA 8082	680254
60349230005	DPT-11-SO-(12-13)	EPA 3546	679537	EPA 8082	680254
60349230006	DPT-11-SO-(29-30)	EPA 3546	679537	EPA 8082	680254
60349230001	DPT-9-SO-(29-30)	EPA 3050	680399	EPA 6010	680674
60349230002	DPT-10-SO-(29-30)	EPA 3050	680399	EPA 6010	680674
60349230004	DPT-11-SO-(2-3)	EPA 3050	680399	EPA 6010	680674
60349230005	DPT-11-SO-(12-13)	EPA 3050	680399	EPA 6010	680674
60349230006	DPT-11-SO-(29-30)	EPA 3050	680399	EPA 6010	680674
60349230001	DPT-9-SO-(29-30)	EPA 7471	679970	EPA 7471	680181
60349230002	DPT-10-SO-(29-30)	EPA 7471	679970	EPA 7471	680181
60349230004	DPT-11-SO-(2-3)	EPA 7471	679970	EPA 7471	680181
60349230005	DPT-11-SO-(12-13)	EPA 7471	679970	EPA 7471	680181
60349230006	DPT-11-SO-(29-30)	EPA 7471	679970	EPA 7471	680181
60349230001	DPT-9-SO-(29-30)	EPA 3546	678954	EPA 8270	679637
60349230002	DPT-10-SO-(29-30)	EPA 3546	678954	EPA 8270	679637
60349230004	DPT-11-SO-(2-3)	EPA 3546	678954	EPA 8270	679637
60349230005	DPT-11-SO-(12-13)	EPA 3546	678954	EPA 8270	679637
60349230006	DPT-11-SO-(29-30)	EPA 3546	678954	EPA 8270	679637
60349230001	DPT-9-SO-(29-30)	EPA 3546	678956	EPA 8270	679490
60349230002	DPT-10-SO-(29-30)	EPA 3546	678956	EPA 8270	679490
60349230004	DPT-11-SO-(2-3)	EPA 3546	678956	EPA 8270	679490
60349230005	DPT-11-SO-(12-13)	EPA 3546	678956	EPA 8270	679490
60349230006	DPT-11-SO-(29-30)	EPA 3546	678956	EPA 8270	679490
60349230001	DPT-9-SO-(29-30)	EPA 5035A/5030	678876	EPA 8260B	678909
60349230002	DPT-10-SO-(29-30)	EPA 5035A/5030	678876	EPA 8260B	678909
60349230003	PINE LAWN-SO-TB4	EPA 5035A/5030	678876	EPA 8260B	678909
60349230004	DPT-11-SO-(2-3)	EPA 5035A/5030	678876	EPA 8260B	678909
60349230006	DPT-11-SO-(29-30)	EPA 5035A/5030	678876	EPA 8260B	678909
60349230005	DPT-11-SO-(12-13)	EPA 5035A/5030B	679322	EPA 8260B	679423
60349230005	DPT-11-SO-(12-13)	EPA 5035/5030	679323	EPA 5035A/8260	679424
60349230001	DPT-9-SO-(29-30)	EPA 5035	678887	EPA 8260	678910
60349230002	DPT-10-SO-(29-30)	EPA 5035	678887	EPA 8260	678910
60349230004	DPT-11-SO-(2-3)	EPA 5035	678887	EPA 8260	678910
60349230006	DPT-11-SO-(29-30)	EPA 5035	678887	EPA 8260	678910
60349230001	DPT-9-SO-(29-30)	ASTM D2974	678753		
60349230002	DPT-10-SO-(29-30)	ASTM D2974	678754		
60349230004	DPT-11-SO-(2-3)	ASTM D2974	678754		
60349230005	DPT-11-SO-(12-13)	ASTM D2974	678754		
60349230006	DPT-11-SO-(29-30)	ASTM D2974	678754		

REPORT OF LABORATORY ANALYSIS

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Sample Condition Upon Receipt

WO#: 60349230



Client Name: Tetra Tech

Courier: FedEx ☐ UPS ☐ VIA ☐ Clay ☐ PEX ☐ ECI ☐ Pace ☐ Xroads ☒ Client ☐ Other ☐

Tracking #: _____ Pace Shipping Label Used? Yes ☐ No ☒

Custody Seal on Cooler/Box Present: Yes ☒ No ☐ Seals intact: Yes ☒ No ☐

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

Thermometer Used: T296 Type of Ice: ☒ Wet ☐ Blue ☐ None

Cooler Temperature (°C): As-read 1.7 Corr. Factor -0.4 Corrected 1.3

Date and initials of person examining contents: 9/23/20 HT

Temperature should be above freezing to 6°C

Chain of Custody present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	pine lawn TB cm has 8270 marked the sample containers are labeled "8260 vocs".
Chain of Custody relinquished:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Samples arrived within holding time:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Short Hold Time analyses (<72hr):	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	
Rush Turn Around Time requested:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	
Sufficient volume:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Correct containers used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Pace containers used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Containers intact:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Unpreserved 5035A / TX1005/1006 soils frozen in 48hrs?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	
Filtered volume received for dissolved tests?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	
Sample labels match COC: Date / time / ID / analyses	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Samples contain multiple phases? Matrix: <u>SL</u>	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	
Containers requiring pH preservation in compliance? (HNO ₃ , H ₂ SO ₄ , HCl<2; NaOH>9 Sulfide, NaOH>10 Cyanide) (Exceptions: VOA, Micro, O&G, KS TPH, OK-DRO) LOT#	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	List sample IDs, volumes, lot #'s of preservative and the date/time added.
Cyanide water sample checks:		
Lead acetate strip turns dark? (Record only)	<input type="checkbox"/> Yes <input type="checkbox"/> No	
Potassium iodide test strip turns blue/purple? (Preserve)	<input type="checkbox"/> Yes <input type="checkbox"/> No	
Trip Blank present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	Received 2 unp. soil trips
Headspace in VOA vials (>6mm):	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	
Samples from USDA Regulated Area: State: <u>mo</u>	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	
Additional labels attached to 5035A / TX1005 vials in the field?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	

Client Notification/ Resolution: Copy COC to Client? Y / N Field Data Required? Y / N

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

Project Manager Review: Jeffrey Shopper

Date: _____

October 05, 2020

Kaitlyn Mitchell
Tetra Tech EMI
415 Oak
Kansas City, MO 64106

RE: Project: PINE LAWN
Pace Project No.: 60349231

Dear Kaitlyn Mitchell:

Enclosed are the analytical results for sample(s) received by the laboratory on September 23, 2020. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

- Pace Analytical Services - Kansas City

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

Sincerely,



Jeffrey Shopper
jeff.shopper@pacelabs.com
1(913)563-1408
Project Manager

Enclosures



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: PINE LAWN

Pace Project No.: 60349231

Pace Analytical Services Kansas

9608 Loiret Boulevard, Lenexa, KS 66219

Missouri Inorganic Drinking Water Certification #: 10090

Arkansas Drinking Water

Arkansas Certification #: 20-020-0

Arkansas Drinking Water

Illinois Certification #: 200030

Iowa Certification #: 118

Kansas/NELAP Certification #: E-10116

Louisiana Certification #: 03055

Nevada Certification #: KS000212020-2

Oklahoma Certification #: 9205/9935

Florida: Cert E871149 SEKS WET

Texas Certification #: T104704407-19-12

Utah Certification #: KS000212019-9

Illinois Certification #: 004592

Kansas Field Laboratory Accreditation: # E-92587

Missouri SEKS Micro Certification: 10070

REPORT OF LABORATORY ANALYSIS

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SAMPLE SUMMARY

Project: PINE LAWN

Pace Project No.: 60349231

Lab ID	Sample ID	Matrix	Date Collected	Date Received
60349231001	DPT-7-SO-(2-3)	Solid	09/22/20 12:15	09/23/20 04:59
60349231002	DPT-7-SO-(29-30)	Solid	09/22/20 12:55	09/23/20 04:59
60349231003	PINE LAWN-RB	Water	09/22/20 13:36	09/23/20 04:59
60349231004	PINE LAWN-SO-TB3	Solid	09/22/20 13:13	09/23/20 04:59
60349231005	DPT-8-SO-(29-30)	Solid	09/22/20 14:47	09/23/20 04:59
60349231006	DPT-8-SO-(29-30)-FD	Solid	09/22/20 14:47	09/23/20 04:59

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SAMPLE ANALYTE COUNT

Project: PINE LAWN

Pace Project No.: 60349231

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
60349231001	DPT-7-SO-(2-3)	EPA 8082	AJB1	8	PASI-K
		EPA 6010	TDS	7	PASI-K
		EPA 7471	MRV	1	PASI-K
		EPA 8270	JMT	73	PASI-K
		EPA 8270	NAW	5	PASI-K
		EPA 8260B	RAD	68	PASI-K
		EPA 8260	RAD	4	PASI-K
		ASTM D2974	DWC	1	PASI-K
60349231002	DPT-7-SO-(29-30)	EPA 8082	AJB1	8	PASI-K
		EPA 6010	TDS	7	PASI-K
		EPA 7471	MRV	1	PASI-K
		EPA 8270	JMT	73	PASI-K
		EPA 8270	NAW	5	PASI-K
		EPA 8260B	RAD	68	PASI-K
		EPA 8260	RAD	4	PASI-K
		ASTM D2974	DWC	1	PASI-K
60349231003	PINE LAWN-RB	EPA 8082	AJB1	8	PASI-K
		EPA 6010	JLH	7	PASI-K
		EPA 6010	JLH	7	PASI-K
		EPA 7470	MRV	1	PASI-K
		EPA 7470	MRV	1	PASI-K
		EPA 8270	NAW	5	PASI-K
		EPA 8270	JMT	73	PASI-K
		EPA 5030B/8260	EAG	69	PASI-K
60349231004	PINE LAWN-SO-TB3	EPA 8260B	RAD	68	PASI-K
60349231005	DPT-8-SO-(29-30)	EPA 8082	AJB1	8	PASI-K
		EPA 6010	TDS	7	PASI-K
		EPA 7471	MRV	1	PASI-K
		EPA 8270	JMT	73	PASI-K
		EPA 8270	NAW	5	PASI-K
		EPA 8260B	RAD	68	PASI-K
		EPA 8260	RAD	4	PASI-K
		ASTM D2974	DWC	1	PASI-K
60349231006	DPT-8-SO-(29-30)-FD	EPA 8082	AJB1	8	PASI-K
		EPA 6010	TDS	7	PASI-K
		EPA 7471	MRV	1	PASI-K

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SAMPLE ANALYTE COUNT

Project: PINE LAWN

Pace Project No.: 60349231

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
		EPA 8270	JMT	73	PASI-K
		EPA 8270	NAW	5	PASI-K
		EPA 8260B	RAD	68	PASI-K
		EPA 8260	RAD	4	PASI-K
		ASTM D2974	DWC	1	PASI-K

PASI-K = Pace Analytical Services - Kansas City

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: PINE LAWN

Pace Project No.: 60349231

Sample: DPT-7-SO-(2-3) **Lab ID:** 60349231001 **Collected:** 09/22/20 12:15 **Received:** 09/23/20 04:59 **Matrix:** Solid

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

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8082 GCS PCB SW								
Analytical Method: EPA 8082 Preparation Method: EPA 3546								
Pace Analytical Services - Kansas City								
PCB-1016 (Aroclor 1016)	ND	ug/kg	39.2	1	09/29/20 15:19	10/01/20 20:57	12674-11-2	
PCB-1221 (Aroclor 1221)	ND	ug/kg	39.2	1	09/29/20 15:19	10/01/20 20:57	11104-28-2	
PCB-1232 (Aroclor 1232)	ND	ug/kg	39.2	1	09/29/20 15:19	10/01/20 20:57	11141-16-5	
PCB-1242 (Aroclor 1242)	ND	ug/kg	39.2	1	09/29/20 15:19	10/01/20 20:57	53469-21-9	
PCB-1248 (Aroclor 1248)	ND	ug/kg	39.2	1	09/29/20 15:19	10/01/20 20:57	12672-29-6	
PCB-1254 (Aroclor 1254)	ND	ug/kg	39.2	1	09/29/20 15:19	10/01/20 20:57	11097-69-1	
PCB-1260 (Aroclor 1260)	ND	ug/kg	39.2	1	09/29/20 15:19	10/01/20 20:57	11096-82-5	
Surrogates								
Decachlorobiphenyl (S)	93	%	28-143	1	09/29/20 15:19	10/01/20 20:57	2051-24-3	
6010 MET ICP Red. Interference								
Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Pace Analytical Services - Kansas City								
Arsenic	9.0	mg/kg	0.86	1	10/02/20 10:03	10/05/20 13:57	7440-38-2	
Barium	298	mg/kg	0.43	1	10/02/20 10:03	10/05/20 13:57	7440-39-3	
Cadmium	ND	mg/kg	0.43	1	10/02/20 10:03	10/05/20 13:57	7440-43-9	
Chromium	17.3	mg/kg	0.43	1	10/02/20 10:03	10/05/20 13:57	7440-47-3	
Lead	12.4	mg/kg	0.86	1	10/02/20 10:03	10/05/20 13:57	7439-92-1	
Selenium	ND	mg/kg	1.3	1	10/02/20 10:03	10/05/20 13:57	7782-49-2	
Silver	ND	mg/kg	0.60	1	10/02/20 10:03	10/05/20 13:57	7440-22-4	
7471 Mercury								
Analytical Method: EPA 7471 Preparation Method: EPA 7471								
Pace Analytical Services - Kansas City								
Mercury	ND	mg/kg	0.056	1	09/30/20 18:07	10/01/20 12:51	7439-97-6	
8270 MSSV Semivolatiles								
Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Pace Analytical Services - Kansas City								
Acenaphthene	ND	ug/kg	386	1	09/29/20 13:22	09/30/20 17:06	83-32-9	
Acenaphthylene	ND	ug/kg	386	1	09/29/20 13:22	09/30/20 17:06	208-96-8	
Anthracene	ND	ug/kg	386	1	09/29/20 13:22	09/30/20 17:06	120-12-7	
Benzo(a)anthracene	ND	ug/kg	386	1	09/29/20 13:22	09/30/20 17:06	56-55-3	
Benzo(a)pyrene	ND	ug/kg	386	1	09/29/20 13:22	09/30/20 17:06	50-32-8	
Benzo(b)fluoranthene	ND	ug/kg	386	1	09/29/20 13:22	09/30/20 17:06	205-99-2	
Benzo(g,h,i)perylene	ND	ug/kg	386	1	09/29/20 13:22	09/30/20 17:06	191-24-2	
Benzo(k)fluoranthene	ND	ug/kg	386	1	09/29/20 13:22	09/30/20 17:06	207-08-9	
Benzoic Acid	ND	ug/kg	1950	1	09/29/20 13:22	09/30/20 17:06	65-85-0	L1
Benzyl alcohol	ND	ug/kg	772	1	09/29/20 13:22	09/30/20 17:06	100-51-6	
4-Bromophenylphenyl ether	ND	ug/kg	386	1	09/29/20 13:22	09/30/20 17:06	101-55-3	
Butylbenzylphthalate	ND	ug/kg	386	1	09/29/20 13:22	09/30/20 17:06	85-68-7	
Carbazole	ND	ug/kg	386	1	09/29/20 13:22	09/30/20 17:06	86-74-8	
4-Chloro-3-methylphenol	ND	ug/kg	772	1	09/29/20 13:22	09/30/20 17:06	59-50-7	
4-Chloroaniline	ND	ug/kg	772	1	09/29/20 13:22	09/30/20 17:06	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/kg	386	1	09/29/20 13:22	09/30/20 17:06	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/kg	386	1	09/29/20 13:22	09/30/20 17:06	111-44-4	
bis(2-Chloroisopropyl) ether	ND	ug/kg	386	1	09/29/20 13:22	09/30/20 17:06	108-60-1	
2-Chloronaphthalene	ND	ug/kg	386	1	09/29/20 13:22	09/30/20 17:06	91-58-7	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: PINE LAWN

Pace Project No.: 60349231

Sample: DPT-7-SO-(2-3) Lab ID: 60349231001 Collected: 09/22/20 12:15 Received: 09/23/20 04:59 Matrix: Solid

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

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Semivolatiles		Analytical Method: EPA 8270 Preparation Method: EPA 3546 Pace Analytical Services - Kansas City						
2-Chlorophenol	ND	ug/kg	386	1	09/29/20 13:22	09/30/20 17:06	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/kg	386	1	09/29/20 13:22	09/30/20 17:06	7005-72-3	
Chrysene	ND	ug/kg	386	1	09/29/20 13:22	09/30/20 17:06	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	386	1	09/29/20 13:22	09/30/20 17:06	53-70-3	
Dibenzofuran	ND	ug/kg	386	1	09/29/20 13:22	09/30/20 17:06	132-64-9	
1,2-Dichlorobenzene	ND	ug/kg	386	1	09/29/20 13:22	09/30/20 17:06	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	386	1	09/29/20 13:22	09/30/20 17:06	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	386	1	09/29/20 13:22	09/30/20 17:06	106-46-7	
3,3'-Dichlorobenzidine	ND	ug/kg	772	1	09/29/20 13:22	09/30/20 17:06	91-94-1	
2,4-Dichlorophenol	ND	ug/kg	386	1	09/29/20 13:22	09/30/20 17:06	120-83-2	
Diethylphthalate	ND	ug/kg	386	1	09/29/20 13:22	09/30/20 17:06	84-66-2	
2,4-Dimethylphenol	ND	ug/kg	386	1	09/29/20 13:22	09/30/20 17:06	105-67-9	
Dimethylphthalate	ND	ug/kg	386	1	09/29/20 13:22	09/30/20 17:06	131-11-3	
Di-n-butylphthalate	ND	ug/kg	386	1	09/29/20 13:22	09/30/20 17:06	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/kg	1950	1	09/29/20 13:22	09/30/20 17:06	534-52-1	
2,4-Dinitrophenol	ND	ug/kg	1950	1	09/29/20 13:22	09/30/20 17:06	51-28-5	
2,4-Dinitrotoluene	ND	ug/kg	386	1	09/29/20 13:22	09/30/20 17:06	121-14-2	
2,6-Dinitrotoluene	ND	ug/kg	386	1	09/29/20 13:22	09/30/20 17:06	606-20-2	
Di-n-octylphthalate	ND	ug/kg	386	1	09/29/20 13:22	09/30/20 17:06	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/kg	386	1	09/29/20 13:22	09/30/20 17:06	117-81-7	
Fluoranthene	ND	ug/kg	386	1	09/29/20 13:22	09/30/20 17:06	206-44-0	
Fluorene	ND	ug/kg	386	1	09/29/20 13:22	09/30/20 17:06	86-73-7	
Hexachloro-1,3-butadiene	ND	ug/kg	386	1	09/29/20 13:22	09/30/20 17:06	87-68-3	
Hexachlorobenzene	ND	ug/kg	386	1	09/29/20 13:22	09/30/20 17:06	118-74-1	
Hexachlorocyclopentadiene	ND	ug/kg	386	1	09/29/20 13:22	09/30/20 17:06	77-47-4	
Hexachloroethane	ND	ug/kg	386	1	09/29/20 13:22	09/30/20 17:06	67-72-1	
Indeno(1,2,3-cd)pyrene	ND	ug/kg	386	1	09/29/20 13:22	09/30/20 17:06	193-39-5	
Isophorone	ND	ug/kg	386	1	09/29/20 13:22	09/30/20 17:06	78-59-1	
2-Methylnaphthalene	ND	ug/kg	386	1	09/29/20 13:22	09/30/20 17:06	91-57-6	
2-Methylphenol(o-Cresol)	ND	ug/kg	386	1	09/29/20 13:22	09/30/20 17:06	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/kg	386	1	09/29/20 13:22	09/30/20 17:06	15831-10-4	
Naphthalene	ND	ug/kg	386	1	09/29/20 13:22	09/30/20 17:06	91-20-3	
2-Nitroaniline	ND	ug/kg	772	1	09/29/20 13:22	09/30/20 17:06	88-74-4	
3-Nitroaniline	ND	ug/kg	772	1	09/29/20 13:22	09/30/20 17:06	99-09-2	
4-Nitroaniline	ND	ug/kg	772	1	09/29/20 13:22	09/30/20 17:06	100-01-6	
Nitrobenzene	ND	ug/kg	386	1	09/29/20 13:22	09/30/20 17:06	98-95-3	
2-Nitrophenol	ND	ug/kg	386	1	09/29/20 13:22	09/30/20 17:06	88-75-5	
4-Nitrophenol	ND	ug/kg	1950	1	09/29/20 13:22	09/30/20 17:06	100-02-7	
N-Nitroso-di-n-propylamine	ND	ug/kg	386	1	09/29/20 13:22	09/30/20 17:06	621-64-7	
N-Nitrosodiphenylamine	ND	ug/kg	386	1	09/29/20 13:22	09/30/20 17:06	86-30-6	
Pentachlorophenol	ND	ug/kg	1950	1	09/29/20 13:22	09/30/20 17:06	87-86-5	
Phenanthrene	ND	ug/kg	386	1	09/29/20 13:22	09/30/20 17:06	85-01-8	
Phenol	ND	ug/kg	386	1	09/29/20 13:22	09/30/20 17:06	108-95-2	
Pyrene	ND	ug/kg	386	1	09/29/20 13:22	09/30/20 17:06	129-00-0	
Pyridine	ND	ug/kg	386	1	09/29/20 13:22	09/30/20 17:06	110-86-1	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: PINE LAWN

Pace Project No.: 60349231

Sample: DPT-7-SO-(2-3) **Lab ID:** 60349231001 **Collected:** 09/22/20 12:15 **Received:** 09/23/20 04:59 **Matrix:** Solid

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

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
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8270 MSSV Semivolatiles

Analytical Method: EPA 8270 Preparation Method: EPA 3546

Pace Analytical Services - Kansas City

1,2,4-Trichlorobenzene	ND	ug/kg	386	1	09/29/20 13:22	09/30/20 17:06	120-82-1	
2,4,5-Trichlorophenol	ND	ug/kg	386	1	09/29/20 13:22	09/30/20 17:06	95-95-4	
2,4,6-Trichlorophenol	ND	ug/kg	386	1	09/29/20 13:22	09/30/20 17:06	88-06-2	
Surrogates								
Nitrobenzene-d5 (S)	77	%	33-132	1	09/29/20 13:22	09/30/20 17:06	4165-60-0	
2-Fluorobiphenyl (S)	74	%	39-136	1	09/29/20 13:22	09/30/20 17:06	321-60-8	
Terphenyl-d14 (S)	78	%	29-131	1	09/29/20 13:22	09/30/20 17:06	1718-51-0	
Phenol-d6 (S)	70	%	43-95	1	09/29/20 13:22	09/30/20 17:06	13127-88-3	
2-Fluorophenol (S)	67	%	43-96	1	09/29/20 13:22	09/30/20 17:06	367-12-4	
2,4,6-Tribromophenol (S)	75	%	41-108	1	09/29/20 13:22	09/30/20 17:06	118-79-6	

8270 MSSV DRO/ORO

Analytical Method: EPA 8270 Preparation Method: EPA 3546

Pace Analytical Services - Kansas City

TPH-ORO	ND	mg/kg	18.0	1	09/28/20 12:36	10/01/20 20:17		
TPH-DRO	ND	mg/kg	18.0	1	09/28/20 12:36	10/01/20 20:17		
Surrogates								
Nitrobenzene-d5 (S)	73	%	33-132	1	09/28/20 12:36	10/01/20 20:17	4165-60-0	
2-Fluorobiphenyl (S)	77	%	39-136	1	09/28/20 12:36	10/01/20 20:17	321-60-8	
Terphenyl-d14 (S)	78	%	29-131	1	09/28/20 12:36	10/01/20 20:17	1718-51-0	

8260 MSV 5035A VOA

Analytical Method: EPA 8260B Preparation Method: EPA 5035A/5030

Pace Analytical Services - Kansas City

Acetone	27.8	ug/kg	16.4	1	09/24/20 16:10	09/24/20 23:30	67-64-1	
Benzene	ND	ug/kg	4.1	1	09/24/20 16:10	09/24/20 23:30	71-43-2	
Bromobenzene	ND	ug/kg	4.1	1	09/24/20 16:10	09/24/20 23:30	108-86-1	
Bromochloromethane	ND	ug/kg	4.1	1	09/24/20 16:10	09/24/20 23:30	74-97-5	
Bromodichloromethane	ND	ug/kg	4.1	1	09/24/20 16:10	09/24/20 23:30	75-27-4	
Bromoform	ND	ug/kg	4.1	1	09/24/20 16:10	09/24/20 23:30	75-25-2	
Bromomethane	ND	ug/kg	4.1	1	09/24/20 16:10	09/24/20 23:30	74-83-9	
2-Butanone (MEK)	ND	ug/kg	8.2	1	09/24/20 16:10	09/24/20 23:30	78-93-3	
n-Butylbenzene	ND	ug/kg	4.1	1	09/24/20 16:10	09/24/20 23:30	104-51-8	
sec-Butylbenzene	ND	ug/kg	4.1	1	09/24/20 16:10	09/24/20 23:30	135-98-8	
tert-Butylbenzene	ND	ug/kg	20.5	1	09/24/20 16:10	09/24/20 23:30	98-06-6	
Carbon disulfide	ND	ug/kg	4.1	1	09/24/20 16:10	09/24/20 23:30	75-15-0	
Carbon tetrachloride	ND	ug/kg	4.1	1	09/24/20 16:10	09/24/20 23:30	56-23-5	
Chlorobenzene	ND	ug/kg	4.1	1	09/24/20 16:10	09/24/20 23:30	108-90-7	
Chloroethane	ND	ug/kg	4.1	1	09/24/20 16:10	09/24/20 23:30	75-00-3	
Chloroform	ND	ug/kg	4.1	1	09/24/20 16:10	09/24/20 23:30	67-66-3	
Chloromethane	ND	ug/kg	4.1	1	09/24/20 16:10	09/24/20 23:30	74-87-3	
2-Chlorotoluene	ND	ug/kg	4.1	1	09/24/20 16:10	09/24/20 23:30	95-49-8	
4-Chlorotoluene	ND	ug/kg	4.1	1	09/24/20 16:10	09/24/20 23:30	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/kg	8.2	1	09/24/20 16:10	09/24/20 23:30	96-12-8	
Dibromochloromethane	ND	ug/kg	4.1	1	09/24/20 16:10	09/24/20 23:30	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	4.1	1	09/24/20 16:10	09/24/20 23:30	106-93-4	
Dibromomethane	ND	ug/kg	4.1	1	09/24/20 16:10	09/24/20 23:30	74-95-3	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: PINE LAWN

Pace Project No.: 60349231

Sample: DPT-7-SO-(2-3) **Lab ID: 60349231001** Collected: 09/22/20 12:15 Received: 09/23/20 04:59 Matrix: Solid

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

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
8260 MSV 5035A VOA									
Analytical Method: EPA 8260B Preparation Method: EPA 5035A/5030									
Pace Analytical Services - Kansas City									
1,2-Dichlorobenzene	ND	ug/kg	4.1	1	09/24/20 16:10	09/24/20 23:30	95-50-1	SS	
1,3-Dichlorobenzene	ND	ug/kg	4.1	1	09/24/20 16:10	09/24/20 23:30	541-73-1		
1,4-Dichlorobenzene	ND	ug/kg	4.1	1	09/24/20 16:10	09/24/20 23:30	106-46-7		
Dichlorodifluoromethane	ND	ug/kg	4.1	1	09/24/20 16:10	09/24/20 23:30	75-71-8		
1,1-Dichloroethane	ND	ug/kg	4.1	1	09/24/20 16:10	09/24/20 23:30	75-34-3		
1,2-Dichloroethane	ND	ug/kg	4.1	1	09/24/20 16:10	09/24/20 23:30	107-06-2		
1,2-Dichloroethene (Total)	ND	ug/kg	4.1	1	09/24/20 16:10	09/24/20 23:30	540-59-0		
1,1-Dichloroethene	ND	ug/kg	4.1	1	09/24/20 16:10	09/24/20 23:30	75-35-4		
cis-1,2-Dichloroethene	ND	ug/kg	4.1	1	09/24/20 16:10	09/24/20 23:30	156-59-2		
trans-1,2-Dichloroethene	ND	ug/kg	4.1	1	09/24/20 16:10	09/24/20 23:30	156-60-5		
1,2-Dichloropropane	ND	ug/kg	4.1	1	09/24/20 16:10	09/24/20 23:30	78-87-5		
1,3-Dichloropropane	ND	ug/kg	4.1	1	09/24/20 16:10	09/24/20 23:30	142-28-9		
2,2-Dichloropropane	ND	ug/kg	4.1	1	09/24/20 16:10	09/24/20 23:30	594-20-7		
1,1-Dichloropropene	ND	ug/kg	4.1	1	09/24/20 16:10	09/24/20 23:30	563-58-6		
cis-1,3-Dichloropropene	ND	ug/kg	4.1	1	09/24/20 16:10	09/24/20 23:30	10061-01-5		
trans-1,3-Dichloropropene	ND	ug/kg	4.1	1	09/24/20 16:10	09/24/20 23:30	10061-02-6		
Ethylbenzene	ND	ug/kg	4.1	1	09/24/20 16:10	09/24/20 23:30	100-41-4		
Hexachloro-1,3-butadiene	ND	ug/kg	4.1	1	09/24/20 16:10	09/24/20 23:30	87-68-3		
2-Hexanone	ND	ug/kg	16.4	1	09/24/20 16:10	09/24/20 23:30	591-78-6		
Isopropylbenzene (Cumene)	ND	ug/kg	4.1	1	09/24/20 16:10	09/24/20 23:30	98-82-8		
p-Isopropyltoluene	ND	ug/kg	4.1	1	09/24/20 16:10	09/24/20 23:30	99-87-6		
Methylene Chloride	ND	ug/kg	4.1	1	09/24/20 16:10	09/24/20 23:30	75-09-2		
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	8.2	1	09/24/20 16:10	09/24/20 23:30	108-10-1		
Methyl-tert-butyl ether	ND	ug/kg	4.1	1	09/24/20 16:10	09/24/20 23:30	1634-04-4		
Naphthalene	ND	ug/kg	8.2	1	09/24/20 16:10	09/24/20 23:30	91-20-3		
n-Propylbenzene	ND	ug/kg	4.1	1	09/24/20 16:10	09/24/20 23:30	103-65-1		
Styrene	ND	ug/kg	4.1	1	09/24/20 16:10	09/24/20 23:30	100-42-5		
1,1,1,2-Tetrachloroethane	ND	ug/kg	4.1	1	09/24/20 16:10	09/24/20 23:30	630-20-6		
1,1,2,2-Tetrachloroethane	ND	ug/kg	4.1	1	09/24/20 16:10	09/24/20 23:30	79-34-5		
Tetrachloroethene	ND	ug/kg	4.1	1	09/24/20 16:10	09/24/20 23:30	127-18-4		
Toluene	ND	ug/kg	4.1	1	09/24/20 16:10	09/24/20 23:30	108-88-3		
1,2,3-Trichlorobenzene	ND	ug/kg	4.1	1	09/24/20 16:10	09/24/20 23:30	87-61-6		
1,2,4-Trichlorobenzene	ND	ug/kg	4.1	1	09/24/20 16:10	09/24/20 23:30	120-82-1		
1,1,1-Trichloroethane	ND	ug/kg	4.1	1	09/24/20 16:10	09/24/20 23:30	71-55-6		
1,1,2-Trichloroethane	ND	ug/kg	4.1	1	09/24/20 16:10	09/24/20 23:30	79-00-5		
Trichloroethene	ND	ug/kg	4.1	1	09/24/20 16:10	09/24/20 23:30	79-01-6		
Trichlorofluoromethane	ND	ug/kg	4.1	1	09/24/20 16:10	09/24/20 23:30	75-69-4		
1,2,3-Trichloropropane	ND	ug/kg	4.1	1	09/24/20 16:10	09/24/20 23:30	96-18-4		
1,2,4-Trimethylbenzene	ND	ug/kg	4.1	1	09/24/20 16:10	09/24/20 23:30	95-63-6		
1,3,5-Trimethylbenzene	ND	ug/kg	4.1	1	09/24/20 16:10	09/24/20 23:30	108-67-8		
Vinyl chloride	ND	ug/kg	4.1	1	09/24/20 16:10	09/24/20 23:30	75-01-4		
Xylene (Total)	ND	ug/kg	4.1	1	09/24/20 16:10	09/24/20 23:30	1330-20-7		
Surrogates									
Toluene-d8 (S)	101	%	80-120	1	09/24/20 16:10	09/24/20 23:30	2037-26-5		
4-Bromofluorobenzene (S)	96	%	85-115	1	09/24/20 16:10	09/24/20 23:30	460-00-4		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: PINE LAWN

Pace Project No.: 60349231

Sample: DPT-7-SO-(2-3) **Lab ID:** 60349231001 Collected: 09/22/20 12:15 Received: 09/23/20 04:59 Matrix: Solid

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

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035A VOA								
Analytical Method: EPA 8260B Preparation Method: EPA 5035A/5030								
Pace Analytical Services - Kansas City								
Surrogates								
1,2-Dichloroethane-d4 (S)	104	%	78-118	1	09/24/20 16:10	09/24/20 23:30	17060-07-0	
8260 MSV GRO and Oxygenates								
Analytical Method: EPA 8260 Preparation Method: EPA 5035								
Pace Analytical Services - Kansas City								
TPH-GRO	ND	mg/kg	0.41	1	09/24/20 16:10	09/24/20 23:30		
Surrogates								
Toluene-d8 (S)	101	%	78-122	1	09/24/20 16:10	09/24/20 23:30	2037-26-5	
4-Bromofluorobenzene (S)	96	%	69-133	1	09/24/20 16:10	09/24/20 23:30	460-00-4	
1,2-Dichloroethane-d4 (S)	104	%	80-123	1	09/24/20 16:10	09/24/20 23:30	17060-07-0	
Percent Moisture								
Analytical Method: ASTM D2974								
Pace Analytical Services - Kansas City								
Percent Moisture	17.0	%	0.50	1		09/24/20 15:46		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: PINE LAWN

Pace Project No.: 60349231

Sample: DPT-7-SO-(29-30) **Lab ID: 60349231002** Collected: 09/22/20 12:55 Received: 09/23/20 04:59 Matrix: Solid

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

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8082 GCS PCB SW								
Analytical Method: EPA 8082 Preparation Method: EPA 3546								
Pace Analytical Services - Kansas City								
PCB-1016 (Aroclor 1016)	ND	ug/kg	38.1	1	09/29/20 15:19	10/01/20 21:50	12674-11-2	
PCB-1221 (Aroclor 1221)	ND	ug/kg	38.1	1	09/29/20 15:19	10/01/20 21:50	11104-28-2	
PCB-1232 (Aroclor 1232)	ND	ug/kg	38.1	1	09/29/20 15:19	10/01/20 21:50	11141-16-5	
PCB-1242 (Aroclor 1242)	ND	ug/kg	38.1	1	09/29/20 15:19	10/01/20 21:50	53469-21-9	
PCB-1248 (Aroclor 1248)	ND	ug/kg	38.1	1	09/29/20 15:19	10/01/20 21:50	12672-29-6	
PCB-1254 (Aroclor 1254)	ND	ug/kg	38.1	1	09/29/20 15:19	10/01/20 21:50	11097-69-1	
PCB-1260 (Aroclor 1260)	ND	ug/kg	38.1	1	09/29/20 15:19	10/01/20 21:50	11096-82-5	
Surrogates								
Decachlorobiphenyl (S)	93	%	28-143	1	09/29/20 15:19	10/01/20 21:50	2051-24-3	
6010 MET ICP Red. Interference								
Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Pace Analytical Services - Kansas City								
Arsenic	3.3	mg/kg	1.1	1	10/02/20 10:03	10/05/20 14:05	7440-38-2	
Barium	67.6	mg/kg	0.54	1	10/02/20 10:03	10/05/20 14:05	7440-39-3	
Cadmium	ND	mg/kg	0.54	1	10/02/20 10:03	10/05/20 14:05	7440-43-9	
Chromium	31.5	mg/kg	0.54	1	10/02/20 10:03	10/05/20 14:05	7440-47-3	
Lead	10.8	mg/kg	1.1	1	10/02/20 10:03	10/05/20 14:05	7439-92-1	
Selenium	ND	mg/kg	1.6	1	10/02/20 10:03	10/05/20 14:05	7782-49-2	
Silver	ND	mg/kg	0.76	1	10/02/20 10:03	10/05/20 14:05	7440-22-4	
7471 Mercury								
Analytical Method: EPA 7471 Preparation Method: EPA 7471								
Pace Analytical Services - Kansas City								
Mercury	ND	mg/kg	0.046	1	09/30/20 18:07	10/01/20 12:54	7439-97-6	
8270 MSSV Semivolatiles								
Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Pace Analytical Services - Kansas City								
Acenaphthene	ND	ug/kg	374	1	09/29/20 13:22	09/30/20 17:27	83-32-9	
Acenaphthylene	ND	ug/kg	374	1	09/29/20 13:22	09/30/20 17:27	208-96-8	
Anthracene	ND	ug/kg	374	1	09/29/20 13:22	09/30/20 17:27	120-12-7	
Benzo(a)anthracene	ND	ug/kg	374	1	09/29/20 13:22	09/30/20 17:27	56-55-3	
Benzo(a)pyrene	ND	ug/kg	374	1	09/29/20 13:22	09/30/20 17:27	50-32-8	
Benzo(b)fluoranthene	ND	ug/kg	374	1	09/29/20 13:22	09/30/20 17:27	205-99-2	
Benzo(g,h,i)perylene	ND	ug/kg	374	1	09/29/20 13:22	09/30/20 17:27	191-24-2	
Benzo(k)fluoranthene	ND	ug/kg	374	1	09/29/20 13:22	09/30/20 17:27	207-08-9	
Benzoic Acid	ND	ug/kg	1890	1	09/29/20 13:22	09/30/20 17:27	65-85-0	L1
Benzyl alcohol	ND	ug/kg	749	1	09/29/20 13:22	09/30/20 17:27	100-51-6	
4-Bromophenylphenyl ether	ND	ug/kg	374	1	09/29/20 13:22	09/30/20 17:27	101-55-3	
Butylbenzylphthalate	ND	ug/kg	374	1	09/29/20 13:22	09/30/20 17:27	85-68-7	
Carbazole	ND	ug/kg	374	1	09/29/20 13:22	09/30/20 17:27	86-74-8	
4-Chloro-3-methylphenol	ND	ug/kg	749	1	09/29/20 13:22	09/30/20 17:27	59-50-7	
4-Chloroaniline	ND	ug/kg	749	1	09/29/20 13:22	09/30/20 17:27	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/kg	374	1	09/29/20 13:22	09/30/20 17:27	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/kg	374	1	09/29/20 13:22	09/30/20 17:27	111-44-4	
bis(2-Chloroisopropyl) ether	ND	ug/kg	374	1	09/29/20 13:22	09/30/20 17:27	108-60-1	
2-Chloronaphthalene	ND	ug/kg	374	1	09/29/20 13:22	09/30/20 17:27	91-58-7	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: PINE LAWN

Pace Project No.: 60349231

Sample: DPT-7-SO-(29-30) **Lab ID: 60349231002** Collected: 09/22/20 12:55 Received: 09/23/20 04:59 Matrix: Solid

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

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Semivolatiles		Analytical Method: EPA 8270 Preparation Method: EPA 3546 Pace Analytical Services - Kansas City						
2-Chlorophenol	ND	ug/kg	374	1	09/29/20 13:22	09/30/20 17:27	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/kg	374	1	09/29/20 13:22	09/30/20 17:27	7005-72-3	
Chrysene	ND	ug/kg	374	1	09/29/20 13:22	09/30/20 17:27	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	374	1	09/29/20 13:22	09/30/20 17:27	53-70-3	
Dibenzofuran	ND	ug/kg	374	1	09/29/20 13:22	09/30/20 17:27	132-64-9	
1,2-Dichlorobenzene	ND	ug/kg	374	1	09/29/20 13:22	09/30/20 17:27	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	374	1	09/29/20 13:22	09/30/20 17:27	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	374	1	09/29/20 13:22	09/30/20 17:27	106-46-7	
3,3'-Dichlorobenzidine	ND	ug/kg	749	1	09/29/20 13:22	09/30/20 17:27	91-94-1	
2,4-Dichlorophenol	ND	ug/kg	374	1	09/29/20 13:22	09/30/20 17:27	120-83-2	
Diethylphthalate	ND	ug/kg	374	1	09/29/20 13:22	09/30/20 17:27	84-66-2	
2,4-Dimethylphenol	ND	ug/kg	374	1	09/29/20 13:22	09/30/20 17:27	105-67-9	
Dimethylphthalate	ND	ug/kg	374	1	09/29/20 13:22	09/30/20 17:27	131-11-3	
Di-n-butylphthalate	ND	ug/kg	374	1	09/29/20 13:22	09/30/20 17:27	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/kg	1890	1	09/29/20 13:22	09/30/20 17:27	534-52-1	
2,4-Dinitrophenol	ND	ug/kg	1890	1	09/29/20 13:22	09/30/20 17:27	51-28-5	
2,4-Dinitrotoluene	ND	ug/kg	374	1	09/29/20 13:22	09/30/20 17:27	121-14-2	
2,6-Dinitrotoluene	ND	ug/kg	374	1	09/29/20 13:22	09/30/20 17:27	606-20-2	
Di-n-octylphthalate	ND	ug/kg	374	1	09/29/20 13:22	09/30/20 17:27	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/kg	374	1	09/29/20 13:22	09/30/20 17:27	117-81-7	
Fluoranthene	ND	ug/kg	374	1	09/29/20 13:22	09/30/20 17:27	206-44-0	
Fluorene	ND	ug/kg	374	1	09/29/20 13:22	09/30/20 17:27	86-73-7	
Hexachloro-1,3-butadiene	ND	ug/kg	374	1	09/29/20 13:22	09/30/20 17:27	87-68-3	
Hexachlorobenzene	ND	ug/kg	374	1	09/29/20 13:22	09/30/20 17:27	118-74-1	
Hexachlorocyclopentadiene	ND	ug/kg	374	1	09/29/20 13:22	09/30/20 17:27	77-47-4	
Hexachloroethane	ND	ug/kg	374	1	09/29/20 13:22	09/30/20 17:27	67-72-1	
Indeno(1,2,3-cd)pyrene	ND	ug/kg	374	1	09/29/20 13:22	09/30/20 17:27	193-39-5	
Isophorone	ND	ug/kg	374	1	09/29/20 13:22	09/30/20 17:27	78-59-1	
2-Methylnaphthalene	ND	ug/kg	374	1	09/29/20 13:22	09/30/20 17:27	91-57-6	
2-Methylphenol(o-Cresol)	ND	ug/kg	374	1	09/29/20 13:22	09/30/20 17:27	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/kg	374	1	09/29/20 13:22	09/30/20 17:27	15831-10-4	
Naphthalene	ND	ug/kg	374	1	09/29/20 13:22	09/30/20 17:27	91-20-3	
2-Nitroaniline	ND	ug/kg	749	1	09/29/20 13:22	09/30/20 17:27	88-74-4	
3-Nitroaniline	ND	ug/kg	749	1	09/29/20 13:22	09/30/20 17:27	99-09-2	
4-Nitroaniline	ND	ug/kg	749	1	09/29/20 13:22	09/30/20 17:27	100-01-6	
Nitrobenzene	ND	ug/kg	374	1	09/29/20 13:22	09/30/20 17:27	98-95-3	
2-Nitrophenol	ND	ug/kg	374	1	09/29/20 13:22	09/30/20 17:27	88-75-5	
4-Nitrophenol	ND	ug/kg	1890	1	09/29/20 13:22	09/30/20 17:27	100-02-7	
N-Nitroso-di-n-propylamine	ND	ug/kg	374	1	09/29/20 13:22	09/30/20 17:27	621-64-7	
N-Nitrosodiphenylamine	ND	ug/kg	374	1	09/29/20 13:22	09/30/20 17:27	86-30-6	
Pentachlorophenol	ND	ug/kg	1890	1	09/29/20 13:22	09/30/20 17:27	87-86-5	
Phenanthrene	ND	ug/kg	374	1	09/29/20 13:22	09/30/20 17:27	85-01-8	
Phenol	ND	ug/kg	374	1	09/29/20 13:22	09/30/20 17:27	108-95-2	
Pyrene	ND	ug/kg	374	1	09/29/20 13:22	09/30/20 17:27	129-00-0	
Pyridine	ND	ug/kg	374	1	09/29/20 13:22	09/30/20 17:27	110-86-1	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: PINE LAWN

Pace Project No.: 60349231

Sample: DPT-7-SO-(29-30) **Lab ID: 60349231002** Collected: 09/22/20 12:55 Received: 09/23/20 04:59 Matrix: Solid

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

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Semivolatiles								
Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Pace Analytical Services - Kansas City								
1,2,4-Trichlorobenzene	ND	ug/kg	374	1	09/29/20 13:22	09/30/20 17:27	120-82-1	
2,4,5-Trichlorophenol	ND	ug/kg	374	1	09/29/20 13:22	09/30/20 17:27	95-95-4	
2,4,6-Trichlorophenol	ND	ug/kg	374	1	09/29/20 13:22	09/30/20 17:27	88-06-2	
Surrogates								
Nitrobenzene-d5 (S)	76	%	33-132	1	09/29/20 13:22	09/30/20 17:27	4165-60-0	
2-Fluorobiphenyl (S)	76	%	39-136	1	09/29/20 13:22	09/30/20 17:27	321-60-8	
Terphenyl-d14 (S)	79	%	29-131	1	09/29/20 13:22	09/30/20 17:27	1718-51-0	
Phenol-d6 (S)	73	%	43-95	1	09/29/20 13:22	09/30/20 17:27	13127-88-3	
2-Fluorophenol (S)	72	%	43-96	1	09/29/20 13:22	09/30/20 17:27	367-12-4	
2,4,6-Tribromophenol (S)	75	%	41-108	1	09/29/20 13:22	09/30/20 17:27	118-79-6	
8270 MSSV DRO/ORO								
Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Pace Analytical Services - Kansas City								
TPH-ORO	ND	mg/kg	16.9	1	09/28/20 12:36	10/01/20 20:36		
TPH-DRO	ND	mg/kg	16.9	1	09/28/20 12:36	10/01/20 20:36		
Surrogates								
Nitrobenzene-d5 (S)	79	%	33-132	1	09/28/20 12:36	10/01/20 20:36	4165-60-0	
2-Fluorobiphenyl (S)	84	%	39-136	1	09/28/20 12:36	10/01/20 20:36	321-60-8	
Terphenyl-d14 (S)	85	%	29-131	1	09/28/20 12:36	10/01/20 20:36	1718-51-0	
8260 MSV 5035A VOA								
Analytical Method: EPA 8260B Preparation Method: EPA 5035A/5030								
Pace Analytical Services - Kansas City								
Acetone	ND	ug/kg	17.1	1	09/24/20 16:10	09/24/20 23:45	67-64-1	
Benzene	ND	ug/kg	4.3	1	09/24/20 16:10	09/24/20 23:45	71-43-2	
Bromobenzene	ND	ug/kg	4.3	1	09/24/20 16:10	09/24/20 23:45	108-86-1	
Bromochloromethane	ND	ug/kg	4.3	1	09/24/20 16:10	09/24/20 23:45	74-97-5	
Bromodichloromethane	ND	ug/kg	4.3	1	09/24/20 16:10	09/24/20 23:45	75-27-4	
Bromoform	ND	ug/kg	4.3	1	09/24/20 16:10	09/24/20 23:45	75-25-2	
Bromomethane	ND	ug/kg	4.3	1	09/24/20 16:10	09/24/20 23:45	74-83-9	
2-Butanone (MEK)	ND	ug/kg	8.6	1	09/24/20 16:10	09/24/20 23:45	78-93-3	
n-Butylbenzene	ND	ug/kg	4.3	1	09/24/20 16:10	09/24/20 23:45	104-51-8	
sec-Butylbenzene	ND	ug/kg	4.3	1	09/24/20 16:10	09/24/20 23:45	135-98-8	
tert-Butylbenzene	ND	ug/kg	21.4	1	09/24/20 16:10	09/24/20 23:45	98-06-6	
Carbon disulfide	ND	ug/kg	4.3	1	09/24/20 16:10	09/24/20 23:45	75-15-0	
Carbon tetrachloride	ND	ug/kg	4.3	1	09/24/20 16:10	09/24/20 23:45	56-23-5	
Chlorobenzene	ND	ug/kg	4.3	1	09/24/20 16:10	09/24/20 23:45	108-90-7	
Chloroethane	ND	ug/kg	4.3	1	09/24/20 16:10	09/24/20 23:45	75-00-3	
Chloroform	ND	ug/kg	4.3	1	09/24/20 16:10	09/24/20 23:45	67-66-3	
Chloromethane	ND	ug/kg	4.3	1	09/24/20 16:10	09/24/20 23:45	74-87-3	
2-Chlorotoluene	ND	ug/kg	4.3	1	09/24/20 16:10	09/24/20 23:45	95-49-8	
4-Chlorotoluene	ND	ug/kg	4.3	1	09/24/20 16:10	09/24/20 23:45	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/kg	8.6	1	09/24/20 16:10	09/24/20 23:45	96-12-8	
Dibromochloromethane	ND	ug/kg	4.3	1	09/24/20 16:10	09/24/20 23:45	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	4.3	1	09/24/20 16:10	09/24/20 23:45	106-93-4	
Dibromomethane	ND	ug/kg	4.3	1	09/24/20 16:10	09/24/20 23:45	74-95-3	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: PINE LAWN

Pace Project No.: 60349231

Sample: DPT-7-SO-(29-30) Lab ID: 60349231002 Collected: 09/22/20 12:55 Received: 09/23/20 04:59 Matrix: Solid

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

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
8260 MSV 5035A VOA		Analytical Method: EPA 8260B Preparation Method: EPA 5035A/5030							
Pace Analytical Services - Kansas City									
1,2-Dichlorobenzene	ND	ug/kg	4.3	1	09/24/20 16:10	09/24/20 23:45	95-50-1	SS	
1,3-Dichlorobenzene	ND	ug/kg	4.3	1	09/24/20 16:10	09/24/20 23:45	541-73-1		
1,4-Dichlorobenzene	ND	ug/kg	4.3	1	09/24/20 16:10	09/24/20 23:45	106-46-7		
Dichlorodifluoromethane	ND	ug/kg	4.3	1	09/24/20 16:10	09/24/20 23:45	75-71-8		
1,1-Dichloroethane	ND	ug/kg	4.3	1	09/24/20 16:10	09/24/20 23:45	75-34-3		
1,2-Dichloroethane	ND	ug/kg	4.3	1	09/24/20 16:10	09/24/20 23:45	107-06-2		
1,2-Dichloroethene (Total)	ND	ug/kg	4.3	1	09/24/20 16:10	09/24/20 23:45	540-59-0		
1,1-Dichloroethene	ND	ug/kg	4.3	1	09/24/20 16:10	09/24/20 23:45	75-35-4		
cis-1,2-Dichloroethene	ND	ug/kg	4.3	1	09/24/20 16:10	09/24/20 23:45	156-59-2		
trans-1,2-Dichloroethene	ND	ug/kg	4.3	1	09/24/20 16:10	09/24/20 23:45	156-60-5		
1,2-Dichloropropane	ND	ug/kg	4.3	1	09/24/20 16:10	09/24/20 23:45	78-87-5		
1,3-Dichloropropane	ND	ug/kg	4.3	1	09/24/20 16:10	09/24/20 23:45	142-28-9		
2,2-Dichloropropane	ND	ug/kg	4.3	1	09/24/20 16:10	09/24/20 23:45	594-20-7		
1,1-Dichloropropene	ND	ug/kg	4.3	1	09/24/20 16:10	09/24/20 23:45	563-58-6		
cis-1,3-Dichloropropene	ND	ug/kg	4.3	1	09/24/20 16:10	09/24/20 23:45	10061-01-5		
trans-1,3-Dichloropropene	ND	ug/kg	4.3	1	09/24/20 16:10	09/24/20 23:45	10061-02-6		
Ethylbenzene	ND	ug/kg	4.3	1	09/24/20 16:10	09/24/20 23:45	100-41-4		
Hexachloro-1,3-butadiene	ND	ug/kg	4.3	1	09/24/20 16:10	09/24/20 23:45	87-68-3		
2-Hexanone	ND	ug/kg	17.1	1	09/24/20 16:10	09/24/20 23:45	591-78-6		
Isopropylbenzene (Cumene)	ND	ug/kg	4.3	1	09/24/20 16:10	09/24/20 23:45	98-82-8		
p-Isopropyltoluene	ND	ug/kg	4.3	1	09/24/20 16:10	09/24/20 23:45	99-87-6		
Methylene Chloride	ND	ug/kg	4.3	1	09/24/20 16:10	09/24/20 23:45	75-09-2		
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	8.6	1	09/24/20 16:10	09/24/20 23:45	108-10-1		
Methyl-tert-butyl ether	ND	ug/kg	4.3	1	09/24/20 16:10	09/24/20 23:45	1634-04-4		
Naphthalene	ND	ug/kg	8.6	1	09/24/20 16:10	09/24/20 23:45	91-20-3		
n-Propylbenzene	ND	ug/kg	4.3	1	09/24/20 16:10	09/24/20 23:45	103-65-1		
Styrene	ND	ug/kg	4.3	1	09/24/20 16:10	09/24/20 23:45	100-42-5		
1,1,1,2-Tetrachloroethane	ND	ug/kg	4.3	1	09/24/20 16:10	09/24/20 23:45	630-20-6		
1,1,2,2-Tetrachloroethane	ND	ug/kg	4.3	1	09/24/20 16:10	09/24/20 23:45	79-34-5		
Tetrachloroethene	ND	ug/kg	4.3	1	09/24/20 16:10	09/24/20 23:45	127-18-4		
Toluene	ND	ug/kg	4.3	1	09/24/20 16:10	09/24/20 23:45	108-88-3		
1,2,3-Trichlorobenzene	ND	ug/kg	4.3	1	09/24/20 16:10	09/24/20 23:45	87-61-6		
1,2,4-Trichlorobenzene	ND	ug/kg	4.3	1	09/24/20 16:10	09/24/20 23:45	120-82-1		
1,1,1-Trichloroethane	ND	ug/kg	4.3	1	09/24/20 16:10	09/24/20 23:45	71-55-6		
1,1,2-Trichloroethane	ND	ug/kg	4.3	1	09/24/20 16:10	09/24/20 23:45	79-00-5		
Trichloroethene	ND	ug/kg	4.3	1	09/24/20 16:10	09/24/20 23:45	79-01-6		
Trichlorofluoromethane	ND	ug/kg	4.3	1	09/24/20 16:10	09/24/20 23:45	75-69-4		
1,2,3-Trichloropropane	ND	ug/kg	4.3	1	09/24/20 16:10	09/24/20 23:45	96-18-4		
1,2,4-Trimethylbenzene	ND	ug/kg	4.3	1	09/24/20 16:10	09/24/20 23:45	95-63-6		
1,3,5-Trimethylbenzene	ND	ug/kg	4.3	1	09/24/20 16:10	09/24/20 23:45	108-67-8		
Vinyl chloride	ND	ug/kg	4.3	1	09/24/20 16:10	09/24/20 23:45	75-01-4		
Xylene (Total)	ND	ug/kg	4.3	1	09/24/20 16:10	09/24/20 23:45	1330-20-7		
Surrogates									
Toluene-d8 (S)	100	%	80-120	1	09/24/20 16:10	09/24/20 23:45	2037-26-5		
4-Bromofluorobenzene (S)	98	%	85-115	1	09/24/20 16:10	09/24/20 23:45	460-00-4		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: PINE LAWN

Pace Project No.: 60349231

Sample: DPT-7-SO-(29-30) **Lab ID:** 60349231002 Collected: 09/22/20 12:55 Received: 09/23/20 04:59 Matrix: Solid

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

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035A VOA								
Analytical Method: EPA 8260B Preparation Method: EPA 5035A/5030								
Pace Analytical Services - Kansas City								
Surrogates								
1,2-Dichloroethane-d4 (S)	106	%	78-118	1	09/24/20 16:10	09/24/20 23:45	17060-07-0	
8260 MSV GRO and Oxygenates								
Analytical Method: EPA 8260 Preparation Method: EPA 5035								
Pace Analytical Services - Kansas City								
TPH-GRO	ND	mg/kg	0.43	1	09/24/20 16:10	09/24/20 23:45		
Surrogates								
Toluene-d8 (S)	100	%	78-122	1	09/24/20 16:10	09/24/20 23:45	2037-26-5	
4-Bromofluorobenzene (S)	98	%	69-133	1	09/24/20 16:10	09/24/20 23:45	460-00-4	
1,2-Dichloroethane-d4 (S)	106	%	80-123	1	09/24/20 16:10	09/24/20 23:45	17060-07-0	
Percent Moisture								
Analytical Method: ASTM D2974								
Pace Analytical Services - Kansas City								
Percent Moisture	16.4	%	0.50	1		09/24/20 15:46		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: PINE LAWN

Pace Project No.: 60349231

Sample: PINE LAWN-RB		Lab ID: 60349231003		Collected: 09/22/20 13:36		Received: 09/23/20 04:59		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
8082 GCS PCB, LV									
Analytical Method: EPA 8082 Preparation Method: EPA 3510									
Pace Analytical Services - Kansas City									
PCB-1016 (Aroclor 1016)	ND	ug/L	0.91	1	10/02/20 13:17	10/02/20 15:00	12674-11-2		
PCB-1221 (Aroclor 1221)	ND	ug/L	0.91	1	10/02/20 13:17	10/02/20 15:00	11104-28-2		
PCB-1232 (Aroclor 1232)	ND	ug/L	0.91	1	10/02/20 13:17	10/02/20 15:00	11141-16-5		
PCB-1242 (Aroclor 1242)	ND	ug/L	0.91	1	10/02/20 13:17	10/02/20 15:00	53469-21-9		
PCB-1248 (Aroclor 1248)	ND	ug/L	0.91	1	10/02/20 13:17	10/02/20 15:00	12672-29-6		
PCB-1254 (Aroclor 1254)	ND	ug/L	0.91	1	10/02/20 13:17	10/02/20 15:00	11097-69-1		
PCB-1260 (Aroclor 1260)	ND	ug/L	0.91	1	10/02/20 13:17	10/02/20 15:00	11096-82-5		
Surrogates									
Decachlorobiphenyl (S)	77	%	30-136	1	10/02/20 13:17	10/02/20 15:00	2051-24-3		
6010 MET ICP									
Analytical Method: EPA 6010 Preparation Method: EPA 3010									
Pace Analytical Services - Kansas City									
Arsenic	ND	ug/L	10.0	1	10/01/20 17:18	10/02/20 16:10	7440-38-2		
Barium	ND	ug/L	5.0	1	10/01/20 17:18	10/02/20 16:10	7440-39-3		
Cadmium	ND	ug/L	5.0	1	10/01/20 17:18	10/02/20 16:10	7440-43-9		
Chromium	ND	ug/L	5.0	1	10/01/20 17:18	10/02/20 16:10	7440-47-3		
Lead	ND	ug/L	10.0	1	10/01/20 17:18	10/02/20 16:10	7439-92-1		
Selenium	ND	ug/L	15.0	1	10/01/20 17:18	10/02/20 16:10	7782-49-2		
Silver	ND	ug/L	7.0	1	10/01/20 17:18	10/02/20 16:10	7440-22-4		
6010 MET ICP, Dissolved									
Analytical Method: EPA 6010 Preparation Method: EPA 3010									
Pace Analytical Services - Kansas City									
Arsenic, Dissolved	ND	ug/L	10.0	1	10/01/20 17:18	10/02/20 15:45	7440-38-2		
Barium, Dissolved	ND	ug/L	5.0	1	10/01/20 17:18	10/02/20 15:45	7440-39-3		
Cadmium, Dissolved	ND	ug/L	5.0	1	10/01/20 17:18	10/02/20 15:45	7440-43-9		
Chromium, Dissolved	ND	ug/L	5.0	1	10/01/20 17:18	10/02/20 15:45	7440-47-3		
Lead, Dissolved	ND	ug/L	10.0	1	10/01/20 17:18	10/02/20 15:45	7439-92-1		
Selenium, Dissolved	ND	ug/L	15.0	1	10/01/20 17:18	10/02/20 15:45	7782-49-2		
Silver, Dissolved	ND	ug/L	7.0	1	10/01/20 17:18	10/02/20 15:45	7440-22-4		
7470 Mercury									
Analytical Method: EPA 7470 Preparation Method: EPA 7470									
Pace Analytical Services - Kansas City									
Mercury	ND	ug/L	0.20	1	09/29/20 14:13	10/01/20 10:52	7439-97-6		
7470 Mercury, Dissolved									
Analytical Method: EPA 7470 Preparation Method: EPA 7470									
Pace Analytical Services - Kansas City									
Mercury, Dissolved	ND	ug/L	0.20	1	09/29/20 14:13	10/01/20 10:01	7439-97-6		
8270 MSSV DRO/ORO									
Analytical Method: EPA 8270 Preparation Method: EPA 3510C									
Pace Analytical Services - Kansas City									
TPH-ORO	ND	mg/L	1.0	1	09/24/20 21:47	10/01/20 21:55			
TPH-DRO	ND	mg/L	1.0	1	09/24/20 21:47	10/01/20 21:55			
Surrogates									
Nitrobenzene-d5 (S)	64	%	27-106	1	09/24/20 21:47	10/01/20 21:55	4165-60-0		
2-Fluorobiphenyl (S)	64	%	29-108	1	09/24/20 21:47	10/01/20 21:55	321-60-8		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: PINE LAWN

Pace Project No.: 60349231

Sample: PINE LAWN-RB		Lab ID: 60349231003		Collected: 09/22/20 13:36		Received: 09/23/20 04:59		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
8270 MSSV DRO/ORO									
Analytical Method: EPA 8270 Preparation Method: EPA 3510C									
Pace Analytical Services - Kansas City									
Surrogates									
Terphenyl-d14 (S)	51	%	34-129	1	09/24/20 21:47	10/01/20 21:55	1718-51-0		
8270 MSSV Semivolatile Organic									
Analytical Method: EPA 8270 Preparation Method: EPA 3510									
Pace Analytical Services - Kansas City									
Acenaphthene	ND	ug/L	10.0	1	09/28/20 22:11	09/30/20 10:05	83-32-9		
Acenaphthylene	ND	ug/L	10.0	1	09/28/20 22:11	09/30/20 10:05	208-96-8		
Anthracene	ND	ug/L	10.0	1	09/28/20 22:11	09/30/20 10:05	120-12-7		
Benzo(a)anthracene	ND	ug/L	10.0	1	09/28/20 22:11	09/30/20 10:05	56-55-3		
Benzo(a)pyrene	ND	ug/L	10.0	1	09/28/20 22:11	09/30/20 10:05	50-32-8		
Benzo(b)fluoranthene	ND	ug/L	10.0	1	09/28/20 22:11	09/30/20 10:05	205-99-2		
Benzo(g,h,i)perylene	ND	ug/L	10.0	1	09/28/20 22:11	09/30/20 10:05	191-24-2		
Benzo(k)fluoranthene	ND	ug/L	10.0	1	09/28/20 22:11	09/30/20 10:05	207-08-9		
Benzoic Acid	ND	ug/L	50.0	1	09/28/20 22:11	09/30/20 10:05	65-85-0		
Benzyl alcohol	ND	ug/L	20.0	1	09/28/20 22:11	09/30/20 10:05	100-51-6		
4-Bromophenylphenyl ether	ND	ug/L	10.0	1	09/28/20 22:11	09/30/20 10:05	101-55-3		
Butylbenzylphthalate	ND	ug/L	20.0	1	09/28/20 22:11	09/30/20 10:05	85-68-7		
Carbazole	ND	ug/L	10.0	1	09/28/20 22:11	09/30/20 10:05	86-74-8		
4-Chloro-3-methylphenol	ND	ug/L	20.0	1	09/28/20 22:11	09/30/20 10:05	59-50-7		
4-Chloroaniline	ND	ug/L	20.0	1	09/28/20 22:11	09/30/20 10:05	106-47-8		
bis(2-Chloroethoxy)methane	ND	ug/L	10.0	1	09/28/20 22:11	09/30/20 10:05	111-91-1		
bis(2-Chloroethyl) ether	ND	ug/L	10.0	1	09/28/20 22:11	09/30/20 10:05	111-44-4		
bis(2-Chloroisopropyl) ether	ND	ug/L	10.0	1	09/28/20 22:11	09/30/20 10:05	108-60-1		
2-Chloronaphthalene	ND	ug/L	10.0	1	09/28/20 22:11	09/30/20 10:05	91-58-7		
2-Chlorophenol	ND	ug/L	10.0	1	09/28/20 22:11	09/30/20 10:05	95-57-8		
4-Chlorophenylphenyl ether	ND	ug/L	10.0	1	09/28/20 22:11	09/30/20 10:05	7005-72-3		
Chrysene	ND	ug/L	10.0	1	09/28/20 22:11	09/30/20 10:05	218-01-9		
Dibenz(a,h)anthracene	ND	ug/L	10.0	1	09/28/20 22:11	09/30/20 10:05	53-70-3		
Dibenzofuran	ND	ug/L	10.0	1	09/28/20 22:11	09/30/20 10:05	132-64-9		
1,2-Dichlorobenzene	ND	ug/L	10.0	1	09/28/20 22:11	09/30/20 10:05	95-50-1		
1,3-Dichlorobenzene	ND	ug/L	10.0	1	09/28/20 22:11	09/30/20 10:05	541-73-1		
1,4-Dichlorobenzene	ND	ug/L	10.0	1	09/28/20 22:11	09/30/20 10:05	106-46-7		
3,3'-Dichlorobenzidine	ND	ug/L	20.0	1	09/28/20 22:11	09/30/20 10:05	91-94-1		
2,4-Dichlorophenol	ND	ug/L	10.0	1	09/28/20 22:11	09/30/20 10:05	120-83-2		
Diethylphthalate	ND	ug/L	10.0	1	09/28/20 22:11	09/30/20 10:05	84-66-2		
2,4-Dimethylphenol	ND	ug/L	10.0	1	09/28/20 22:11	09/30/20 10:05	105-67-9		
Dimethylphthalate	ND	ug/L	10.0	1	09/28/20 22:11	09/30/20 10:05	131-11-3		
Di-n-butylphthalate	ND	ug/L	10.0	1	09/28/20 22:11	09/30/20 10:05	84-74-2		
4,6-Dinitro-2-methylphenol	ND	ug/L	50.0	1	09/28/20 22:11	09/30/20 10:05	534-52-1		
2,4-Dinitrophenol	ND	ug/L	50.0	1	09/28/20 22:11	09/30/20 10:05	51-28-5		
2,4-Dinitrotoluene	ND	ug/L	10.0	1	09/28/20 22:11	09/30/20 10:05	121-14-2		
2,6-Dinitrotoluene	ND	ug/L	10.0	1	09/28/20 22:11	09/30/20 10:05	606-20-2		
Di-n-octylphthalate	ND	ug/L	10.0	1	09/28/20 22:11	09/30/20 10:05	117-84-0		
bis(2-Ethylhexyl)phthalate	ND	ug/L	20.0	1	09/28/20 22:11	09/30/20 10:05	117-81-7		
Fluoranthene	ND	ug/L	10.0	1	09/28/20 22:11	09/30/20 10:05	206-44-0		
Fluorene	ND	ug/L	10.0	1	09/28/20 22:11	09/30/20 10:05	86-73-7		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: PINE LAWN

Pace Project No.: 60349231

Sample: PINE LAWN-RB		Lab ID: 60349231003	Collected: 09/22/20 13:36	Received: 09/23/20 04:59	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Semivolatile Organic		Analytical Method: EPA 8270 Preparation Method: EPA 3510 Pace Analytical Services - Kansas City						
Hexachloro-1,3-butadiene	ND	ug/L	10.0	1	09/28/20 22:11	09/30/20 10:05	87-68-3	
Hexachlorobenzene	ND	ug/L	10.0	1	09/28/20 22:11	09/30/20 10:05	118-74-1	
Hexachlorocyclopentadiene	ND	ug/L	10.0	1	09/28/20 22:11	09/30/20 10:05	77-47-4	
Hexachloroethane	ND	ug/L	10.0	1	09/28/20 22:11	09/30/20 10:05	67-72-1	
Indeno(1,2,3-cd)pyrene	ND	ug/L	10.0	1	09/28/20 22:11	09/30/20 10:05	193-39-5	
Isophorone	ND	ug/L	10.0	1	09/28/20 22:11	09/30/20 10:05	78-59-1	
2-Methylnaphthalene	ND	ug/L	10.0	1	09/28/20 22:11	09/30/20 10:05	91-57-6	
2-Methylphenol(o-Cresol)	ND	ug/L	10.0	1	09/28/20 22:11	09/30/20 10:05	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/L	10.0	1	09/28/20 22:11	09/30/20 10:05	15831-10-4	
Naphthalene	ND	ug/L	10.0	1	09/28/20 22:11	09/30/20 10:05	91-20-3	
2-Nitroaniline	ND	ug/L	50.0	1	09/28/20 22:11	09/30/20 10:05	88-74-4	
3-Nitroaniline	ND	ug/L	50.0	1	09/28/20 22:11	09/30/20 10:05	99-09-2	
4-Nitroaniline	ND	ug/L	50.0	1	09/28/20 22:11	09/30/20 10:05	100-01-6	
Nitrobenzene	ND	ug/L	10.0	1	09/28/20 22:11	09/30/20 10:05	98-95-3	
2-Nitrophenol	ND	ug/L	10.0	1	09/28/20 22:11	09/30/20 10:05	88-75-5	
4-Nitrophenol	ND	ug/L	50.0	1	09/28/20 22:11	09/30/20 10:05	100-02-7	
N-Nitroso-di-n-propylamine	ND	ug/L	10.0	1	09/28/20 22:11	09/30/20 10:05	621-64-7	
N-Nitrosodiphenylamine	ND	ug/L	10.0	1	09/28/20 22:11	09/30/20 10:05	86-30-6	
Pentachlorophenol	ND	ug/L	50.0	1	09/28/20 22:11	09/30/20 10:05	87-86-5	
Phenanthrene	ND	ug/L	10.0	1	09/28/20 22:11	09/30/20 10:05	85-01-8	
Phenol	ND	ug/L	10.0	1	09/28/20 22:11	09/30/20 10:05	108-95-2	
Pyrene	ND	ug/L	10.0	1	09/28/20 22:11	09/30/20 10:05	129-00-0	
Pyridine	ND	ug/L	10.0	1	09/28/20 22:11	09/30/20 10:05	110-86-1	
1,2,4-Trichlorobenzene	ND	ug/L	10.0	1	09/28/20 22:11	09/30/20 10:05	120-82-1	
2,4,5-Trichlorophenol	ND	ug/L	50.0	1	09/28/20 22:11	09/30/20 10:05	95-95-4	
2,4,6-Trichlorophenol	ND	ug/L	10.0	1	09/28/20 22:11	09/30/20 10:05	88-06-2	
Surrogates								
Nitrobenzene-d5 (S)	116	%	27-106	1	09/28/20 22:11	09/30/20 10:05	4165-60-0	S3
2-Fluorobiphenyl (S)	112	%	29-108	1	09/28/20 22:11	09/30/20 10:05	321-60-8	S3
Terphenyl-d14 (S)	165	%	34-129	1	09/28/20 22:11	09/30/20 10:05	1718-51-0	S3
Phenol-d6 (S)	46	%	10-44	1	09/28/20 22:11	09/30/20 10:05	13127-88-3	S3
2-Fluorophenol (S)	70	%	11-64	1	09/28/20 22:11	09/30/20 10:05	367-12-4	S3
2,4,6-Tribromophenol (S)	117	%	16-114	1	09/28/20 22:11	09/30/20 10:05	118-79-6	S3

8260 MSV

Analytical Method: EPA 5030B/8260
Pace Analytical Services - Kansas City

Acetone	ND	ug/L	10.0	1	09/25/20 14:31	67-64-1
Benzene	ND	ug/L	1.0	1	09/25/20 14:31	71-43-2
Bromobenzene	ND	ug/L	1.0	1	09/25/20 14:31	108-86-1
Bromochloromethane	ND	ug/L	1.0	1	09/25/20 14:31	74-97-5
Bromodichloromethane	ND	ug/L	1.0	1	09/25/20 14:31	75-27-4
Bromoform	ND	ug/L	1.0	1	09/25/20 14:31	75-25-2
Bromomethane	ND	ug/L	5.0	1	09/25/20 14:31	74-83-9
2-Butanone (MEK)	ND	ug/L	10.0	1	09/25/20 14:31	78-93-3
n-Butylbenzene	ND	ug/L	1.0	1	09/25/20 14:31	104-51-8
sec-Butylbenzene	ND	ug/L	1.0	1	09/25/20 14:31	135-98-8

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: PINE LAWN

Pace Project No.: 60349231

Sample: PINE LAWN-RB		Lab ID: 60349231003	Collected: 09/22/20 13:36	Received: 09/23/20 04:59	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 5030B/8260 Pace Analytical Services - Kansas City						
tert-Butylbenzene	ND	ug/L	1.0	1		09/25/20 14:31	98-06-6	
Carbon disulfide	ND	ug/L	5.0	1		09/25/20 14:31	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	1		09/25/20 14:31	56-23-5	
Chlorobenzene	ND	ug/L	1.0	1		09/25/20 14:31	108-90-7	
Chloroethane	ND	ug/L	1.0	1		09/25/20 14:31	75-00-3	
Chloroform	ND	ug/L	1.0	1		09/25/20 14:31	67-66-3	
Chloromethane	ND	ug/L	1.0	1		09/25/20 14:31	74-87-3	
2-Chlorotoluene	ND	ug/L	1.0	1		09/25/20 14:31	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	1		09/25/20 14:31	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	2.5	1		09/25/20 14:31	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	1		09/25/20 14:31	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	1		09/25/20 14:31	106-93-4	
Dibromomethane	ND	ug/L	1.0	1		09/25/20 14:31	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	1		09/25/20 14:31	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	1		09/25/20 14:31	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	1		09/25/20 14:31	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	1		09/25/20 14:31	75-71-8	L2
1,1-Dichloroethane	ND	ug/L	1.0	1		09/25/20 14:31	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	1		09/25/20 14:31	107-06-2	
1,2-Dichloroethene (Total)	ND	ug/L	1.0	1		09/25/20 14:31	540-59-0	
1,1-Dichloroethene	ND	ug/L	1.0	1		09/25/20 14:31	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	1		09/25/20 14:31	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		09/25/20 14:31	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	1		09/25/20 14:31	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	1		09/25/20 14:31	142-28-9	
2,2-Dichloropropane	ND	ug/L	1.0	1		09/25/20 14:31	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	1		09/25/20 14:31	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	1.0	1		09/25/20 14:31	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	1		09/25/20 14:31	10061-02-6	
Ethylbenzene	ND	ug/L	1.0	1		09/25/20 14:31	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	1.0	1		09/25/20 14:31	87-68-3	
2-Hexanone	ND	ug/L	10.0	1		09/25/20 14:31	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	1.0	1		09/25/20 14:31	98-82-8	
p-Isopropyltoluene	ND	ug/L	1.0	1		09/25/20 14:31	99-87-6	
Methylene Chloride	ND	ug/L	1.0	1		09/25/20 14:31	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	10.0	1		09/25/20 14:31	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	1.0	1		09/25/20 14:31	1634-04-4	
Naphthalene	ND	ug/L	10.0	1		09/25/20 14:31	91-20-3	
n-Propylbenzene	ND	ug/L	1.0	1		09/25/20 14:31	103-65-1	
Styrene	ND	ug/L	1.0	1		09/25/20 14:31	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	1		09/25/20 14:31	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	1		09/25/20 14:31	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	1		09/25/20 14:31	127-18-4	
Toluene	ND	ug/L	1.0	1		09/25/20 14:31	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	1		09/25/20 14:31	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	1		09/25/20 14:31	120-82-1	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: PINE LAWN

Pace Project No.: 60349231

Sample: PINE LAWN-RB		Lab ID: 60349231003		Collected: 09/22/20 13:36		Received: 09/23/20 04:59		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
8260 MSV		Analytical Method: EPA 5030B/8260 Pace Analytical Services - Kansas City							
1,1,1-Trichloroethane	ND	ug/L	1.0	1		09/25/20 14:31	71-55-6		
1,1,2-Trichloroethane	ND	ug/L	1.0	1		09/25/20 14:31	79-00-5		
Trichloroethene	ND	ug/L	1.0	1		09/25/20 14:31	79-01-6		
Trichlorofluoromethane	ND	ug/L	1.0	1		09/25/20 14:31	75-69-4		
1,2,3-Trichloropropane	ND	ug/L	2.5	1		09/25/20 14:31	96-18-4		
1,2,4-Trimethylbenzene	ND	ug/L	1.0	1		09/25/20 14:31	95-63-6		
1,3,5-Trimethylbenzene	ND	ug/L	1.0	1		09/25/20 14:31	108-67-8		
Vinyl chloride	ND	ug/L	1.0	1		09/25/20 14:31	75-01-4		
Xylene (Total)	ND	ug/L	3.0	1		09/25/20 14:31	1330-20-7		
Surrogates									
4-Bromofluorobenzene (S)	98	%	80-120	1		09/25/20 14:31	460-00-4		
1,2-Dichloroethane-d4 (S)	99	%	86-117	1		09/25/20 14:31	17060-07-0		
Toluene-d8 (S)	98	%	80-120	1		09/25/20 14:31	2037-26-5		
Preservation pH	1.0		0.10	1		09/25/20 14:31			
8260 MSV GRO and Oxygenates		Analytical Method: EPA 8260 Pace Analytical Services - Kansas City							
TPH-GRO	ND	ug/L	500	1		09/25/20 14:31			
Surrogates									
Toluene-d8 (S)	98	%	80-120	1		09/25/20 14:31	2037-26-5		
4-Bromofluorobenzene (S)	98	%	80-120	1		09/25/20 14:31	460-00-4		
1,2-Dichloroethane-d4 (S)	99	%	86-117	1		09/25/20 14:31	17060-07-0		
Preservation pH	1.0		0.10	1		09/25/20 14:31			

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: PINE LAWN

Pace Project No.: 60349231

Sample: PINE LAWN-SO-TB3 **Lab ID: 60349231004** Collected: 09/22/20 13:13 Received: 09/23/20 04:59 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035A VOA		Analytical Method: EPA 8260B Preparation Method: EPA 5035A/5030 Pace Analytical Services - Kansas City						
Acetone	ND	ug/kg	20.0	1	09/24/20 16:10	09/24/20 22:13	67-64-1	
Benzene	ND	ug/kg	5.0	1	09/24/20 16:10	09/24/20 22:13	71-43-2	
Bromobenzene	ND	ug/kg	5.0	1	09/24/20 16:10	09/24/20 22:13	108-86-1	
Bromochloromethane	ND	ug/kg	5.0	1	09/24/20 16:10	09/24/20 22:13	74-97-5	
Bromodichloromethane	ND	ug/kg	5.0	1	09/24/20 16:10	09/24/20 22:13	75-27-4	
Bromoform	ND	ug/kg	5.0	1	09/24/20 16:10	09/24/20 22:13	75-25-2	
Bromomethane	ND	ug/kg	5.0	1	09/24/20 16:10	09/24/20 22:13	74-83-9	
2-Butanone (MEK)	ND	ug/kg	10.0	1	09/24/20 16:10	09/24/20 22:13	78-93-3	
n-Butylbenzene	ND	ug/kg	5.0	1	09/24/20 16:10	09/24/20 22:13	104-51-8	
sec-Butylbenzene	ND	ug/kg	5.0	1	09/24/20 16:10	09/24/20 22:13	135-98-8	
tert-Butylbenzene	ND	ug/kg	25.0	1	09/24/20 16:10	09/24/20 22:13	98-06-6	
Carbon disulfide	ND	ug/kg	5.0	1	09/24/20 16:10	09/24/20 22:13	75-15-0	
Carbon tetrachloride	ND	ug/kg	5.0	1	09/24/20 16:10	09/24/20 22:13	56-23-5	
Chlorobenzene	ND	ug/kg	5.0	1	09/24/20 16:10	09/24/20 22:13	108-90-7	
Chloroethane	ND	ug/kg	5.0	1	09/24/20 16:10	09/24/20 22:13	75-00-3	
Chloroform	ND	ug/kg	5.0	1	09/24/20 16:10	09/24/20 22:13	67-66-3	
Chloromethane	ND	ug/kg	5.0	1	09/24/20 16:10	09/24/20 22:13	74-87-3	
2-Chlorotoluene	ND	ug/kg	5.0	1	09/24/20 16:10	09/24/20 22:13	95-49-8	
4-Chlorotoluene	ND	ug/kg	5.0	1	09/24/20 16:10	09/24/20 22:13	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/kg	10.0	1	09/24/20 16:10	09/24/20 22:13	96-12-8	
Dibromochloromethane	ND	ug/kg	5.0	1	09/24/20 16:10	09/24/20 22:13	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	5.0	1	09/24/20 16:10	09/24/20 22:13	106-93-4	
Dibromomethane	ND	ug/kg	5.0	1	09/24/20 16:10	09/24/20 22:13	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	5.0	1	09/24/20 16:10	09/24/20 22:13	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	5.0	1	09/24/20 16:10	09/24/20 22:13	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	5.0	1	09/24/20 16:10	09/24/20 22:13	106-46-7	
Dichlorodifluoromethane	ND	ug/kg	5.0	1	09/24/20 16:10	09/24/20 22:13	75-71-8	SS
1,1-Dichloroethane	ND	ug/kg	5.0	1	09/24/20 16:10	09/24/20 22:13	75-34-3	
1,2-Dichloroethane	ND	ug/kg	5.0	1	09/24/20 16:10	09/24/20 22:13	107-06-2	
1,2-Dichloroethene (Total)	ND	ug/kg	5.0	1	09/24/20 16:10	09/24/20 22:13	540-59-0	
1,1-Dichloroethene	ND	ug/kg	5.0	1	09/24/20 16:10	09/24/20 22:13	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	5.0	1	09/24/20 16:10	09/24/20 22:13	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	5.0	1	09/24/20 16:10	09/24/20 22:13	156-60-5	
1,2-Dichloropropane	ND	ug/kg	5.0	1	09/24/20 16:10	09/24/20 22:13	78-87-5	
1,3-Dichloropropane	ND	ug/kg	5.0	1	09/24/20 16:10	09/24/20 22:13	142-28-9	
2,2-Dichloropropane	ND	ug/kg	5.0	1	09/24/20 16:10	09/24/20 22:13	594-20-7	
1,1-Dichloropropene	ND	ug/kg	5.0	1	09/24/20 16:10	09/24/20 22:13	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	5.0	1	09/24/20 16:10	09/24/20 22:13	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	5.0	1	09/24/20 16:10	09/24/20 22:13	10061-02-6	
Ethylbenzene	ND	ug/kg	5.0	1	09/24/20 16:10	09/24/20 22:13	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/kg	5.0	1	09/24/20 16:10	09/24/20 22:13	87-68-3	
2-Hexanone	ND	ug/kg	20.0	1	09/24/20 16:10	09/24/20 22:13	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/kg	5.0	1	09/24/20 16:10	09/24/20 22:13	98-82-8	
p-Isopropyltoluene	ND	ug/kg	5.0	1	09/24/20 16:10	09/24/20 22:13	99-87-6	
Methylene Chloride	ND	ug/kg	5.0	1	09/24/20 16:10	09/24/20 22:13	75-09-2	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: PINE LAWN

Pace Project No.: 60349231

Sample: PINE LAWN-SO-TB3 Lab ID: 60349231004 Collected: 09/22/20 13:13 Received: 09/23/20 04:59 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035A VOA		Analytical Method: EPA 8260B Preparation Method: EPA 5035A/5030 Pace Analytical Services - Kansas City						
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	10.0	1	09/24/20 16:10	09/24/20 22:13	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	5.0	1	09/24/20 16:10	09/24/20 22:13	1634-04-4	
Naphthalene	ND	ug/kg	10.0	1	09/24/20 16:10	09/24/20 22:13	91-20-3	
n-Propylbenzene	ND	ug/kg	5.0	1	09/24/20 16:10	09/24/20 22:13	103-65-1	
Styrene	ND	ug/kg	5.0	1	09/24/20 16:10	09/24/20 22:13	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	5.0	1	09/24/20 16:10	09/24/20 22:13	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	5.0	1	09/24/20 16:10	09/24/20 22:13	79-34-5	
Tetrachloroethene	ND	ug/kg	5.0	1	09/24/20 16:10	09/24/20 22:13	127-18-4	
Toluene	9.5	ug/kg	5.0	1	09/24/20 16:10	09/24/20 22:13	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	5.0	1	09/24/20 16:10	09/24/20 22:13	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	5.0	1	09/24/20 16:10	09/24/20 22:13	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	5.0	1	09/24/20 16:10	09/24/20 22:13	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	5.0	1	09/24/20 16:10	09/24/20 22:13	79-00-5	
Trichloroethene	ND	ug/kg	5.0	1	09/24/20 16:10	09/24/20 22:13	79-01-6	
Trichlorofluoromethane	ND	ug/kg	5.0	1	09/24/20 16:10	09/24/20 22:13	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	5.0	1	09/24/20 16:10	09/24/20 22:13	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/kg	5.0	1	09/24/20 16:10	09/24/20 22:13	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	5.0	1	09/24/20 16:10	09/24/20 22:13	108-67-8	
Vinyl chloride	ND	ug/kg	5.0	1	09/24/20 16:10	09/24/20 22:13	75-01-4	
Xylene (Total)	ND	ug/kg	5.0	1	09/24/20 16:10	09/24/20 22:13	1330-20-7	
Surrogates								
Toluene-d8 (S)	103	%	80-120	1	09/24/20 16:10	09/24/20 22:13	2037-26-5	
4-Bromofluorobenzene (S)	97	%	85-115	1	09/24/20 16:10	09/24/20 22:13	460-00-4	
1,2-Dichloroethane-d4 (S)	96	%	78-118	1	09/24/20 16:10	09/24/20 22:13	17060-07-0	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: PINE LAWN

Pace Project No.: 60349231

Sample: DPT-8-SO-(29-30) **Lab ID:** 60349231005 **Collected:** 09/22/20 14:47 **Received:** 09/23/20 04:59 **Matrix:** Solid

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

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8082 GCS PCB SW								
Analytical Method: EPA 8082 Preparation Method: EPA 3546								
Pace Analytical Services - Kansas City								
PCB-1016 (Aroclor 1016)	ND	ug/kg	38.9	1	09/29/20 15:19	10/01/20 22:08	12674-11-2	
PCB-1221 (Aroclor 1221)	ND	ug/kg	38.9	1	09/29/20 15:19	10/01/20 22:08	11104-28-2	
PCB-1232 (Aroclor 1232)	ND	ug/kg	38.9	1	09/29/20 15:19	10/01/20 22:08	11141-16-5	
PCB-1242 (Aroclor 1242)	ND	ug/kg	38.9	1	09/29/20 15:19	10/01/20 22:08	53469-21-9	
PCB-1248 (Aroclor 1248)	ND	ug/kg	38.9	1	09/29/20 15:19	10/01/20 22:08	12672-29-6	
PCB-1254 (Aroclor 1254)	ND	ug/kg	38.9	1	09/29/20 15:19	10/01/20 22:08	11097-69-1	
PCB-1260 (Aroclor 1260)	ND	ug/kg	38.9	1	09/29/20 15:19	10/01/20 22:08	11096-82-5	
Surrogates								
Decachlorobiphenyl (S)	91	%	28-143	1	09/29/20 15:19	10/01/20 22:08	2051-24-3	
6010 MET ICP Red. Interference								
Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Pace Analytical Services - Kansas City								
Arsenic	3.3	mg/kg	0.88	1	10/02/20 10:03	10/05/20 14:07	7440-38-2	
Barium	83.9	mg/kg	0.44	1	10/02/20 10:03	10/05/20 14:07	7440-39-3	
Cadmium	ND	mg/kg	0.44	1	10/02/20 10:03	10/05/20 14:07	7440-43-9	
Chromium	31.0	mg/kg	0.44	1	10/02/20 10:03	10/05/20 14:07	7440-47-3	
Lead	8.0	mg/kg	0.88	1	10/02/20 10:03	10/05/20 14:07	7439-92-1	
Selenium	ND	mg/kg	1.3	1	10/02/20 10:03	10/05/20 14:07	7782-49-2	
Silver	ND	mg/kg	0.61	1	10/02/20 10:03	10/05/20 14:07	7440-22-4	
7471 Mercury								
Analytical Method: EPA 7471 Preparation Method: EPA 7471								
Pace Analytical Services - Kansas City								
Mercury	ND	mg/kg	0.054	1	09/30/20 18:07	10/01/20 12:56	7439-97-6	
8270 MSSV Semivolatiles								
Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Pace Analytical Services - Kansas City								
Acenaphthene	ND	ug/kg	385	1	09/29/20 13:22	09/30/20 17:49	83-32-9	
Acenaphthylene	ND	ug/kg	385	1	09/29/20 13:22	09/30/20 17:49	208-96-8	
Anthracene	ND	ug/kg	385	1	09/29/20 13:22	09/30/20 17:49	120-12-7	
Benzo(a)anthracene	ND	ug/kg	385	1	09/29/20 13:22	09/30/20 17:49	56-55-3	
Benzo(a)pyrene	ND	ug/kg	385	1	09/29/20 13:22	09/30/20 17:49	50-32-8	
Benzo(b)fluoranthene	ND	ug/kg	385	1	09/29/20 13:22	09/30/20 17:49	205-99-2	
Benzo(g,h,i)perylene	ND	ug/kg	385	1	09/29/20 13:22	09/30/20 17:49	191-24-2	
Benzo(k)fluoranthene	ND	ug/kg	385	1	09/29/20 13:22	09/30/20 17:49	207-08-9	
Benzoic Acid	ND	ug/kg	1950	1	09/29/20 13:22	09/30/20 17:49	65-85-0	L1
Benzyl alcohol	ND	ug/kg	769	1	09/29/20 13:22	09/30/20 17:49	100-51-6	
4-Bromophenylphenyl ether	ND	ug/kg	385	1	09/29/20 13:22	09/30/20 17:49	101-55-3	
Butylbenzylphthalate	ND	ug/kg	385	1	09/29/20 13:22	09/30/20 17:49	85-68-7	
Carbazole	ND	ug/kg	385	1	09/29/20 13:22	09/30/20 17:49	86-74-8	
4-Chloro-3-methylphenol	ND	ug/kg	769	1	09/29/20 13:22	09/30/20 17:49	59-50-7	
4-Chloroaniline	ND	ug/kg	769	1	09/29/20 13:22	09/30/20 17:49	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/kg	385	1	09/29/20 13:22	09/30/20 17:49	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/kg	385	1	09/29/20 13:22	09/30/20 17:49	111-44-4	
bis(2-Chloroisopropyl) ether	ND	ug/kg	385	1	09/29/20 13:22	09/30/20 17:49	108-60-1	
2-Chloronaphthalene	ND	ug/kg	385	1	09/29/20 13:22	09/30/20 17:49	91-58-7	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: PINE LAWN

Pace Project No.: 60349231

Sample: DPT-8-SO-(29-30) **Lab ID: 60349231005** Collected: 09/22/20 14:47 Received: 09/23/20 04:59 Matrix: Solid

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

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Semivolatiles		Analytical Method: EPA 8270 Preparation Method: EPA 3546 Pace Analytical Services - Kansas City						
2-Chlorophenol	ND	ug/kg	385	1	09/29/20 13:22	09/30/20 17:49	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/kg	385	1	09/29/20 13:22	09/30/20 17:49	7005-72-3	
Chrysene	ND	ug/kg	385	1	09/29/20 13:22	09/30/20 17:49	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	385	1	09/29/20 13:22	09/30/20 17:49	53-70-3	
Dibenzofuran	ND	ug/kg	385	1	09/29/20 13:22	09/30/20 17:49	132-64-9	
1,2-Dichlorobenzene	ND	ug/kg	385	1	09/29/20 13:22	09/30/20 17:49	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	385	1	09/29/20 13:22	09/30/20 17:49	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	385	1	09/29/20 13:22	09/30/20 17:49	106-46-7	
3,3'-Dichlorobenzidine	ND	ug/kg	769	1	09/29/20 13:22	09/30/20 17:49	91-94-1	
2,4-Dichlorophenol	ND	ug/kg	385	1	09/29/20 13:22	09/30/20 17:49	120-83-2	
Diethylphthalate	ND	ug/kg	385	1	09/29/20 13:22	09/30/20 17:49	84-66-2	
2,4-Dimethylphenol	ND	ug/kg	385	1	09/29/20 13:22	09/30/20 17:49	105-67-9	
Dimethylphthalate	ND	ug/kg	385	1	09/29/20 13:22	09/30/20 17:49	131-11-3	
Di-n-butylphthalate	ND	ug/kg	385	1	09/29/20 13:22	09/30/20 17:49	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/kg	1950	1	09/29/20 13:22	09/30/20 17:49	534-52-1	
2,4-Dinitrophenol	ND	ug/kg	1950	1	09/29/20 13:22	09/30/20 17:49	51-28-5	
2,4-Dinitrotoluene	ND	ug/kg	385	1	09/29/20 13:22	09/30/20 17:49	121-14-2	
2,6-Dinitrotoluene	ND	ug/kg	385	1	09/29/20 13:22	09/30/20 17:49	606-20-2	
Di-n-octylphthalate	ND	ug/kg	385	1	09/29/20 13:22	09/30/20 17:49	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/kg	385	1	09/29/20 13:22	09/30/20 17:49	117-81-7	
Fluoranthene	ND	ug/kg	385	1	09/29/20 13:22	09/30/20 17:49	206-44-0	
Fluorene	ND	ug/kg	385	1	09/29/20 13:22	09/30/20 17:49	86-73-7	
Hexachloro-1,3-butadiene	ND	ug/kg	385	1	09/29/20 13:22	09/30/20 17:49	87-68-3	
Hexachlorobenzene	ND	ug/kg	385	1	09/29/20 13:22	09/30/20 17:49	118-74-1	
Hexachlorocyclopentadiene	ND	ug/kg	385	1	09/29/20 13:22	09/30/20 17:49	77-47-4	
Hexachloroethane	ND	ug/kg	385	1	09/29/20 13:22	09/30/20 17:49	67-72-1	
Indeno(1,2,3-cd)pyrene	ND	ug/kg	385	1	09/29/20 13:22	09/30/20 17:49	193-39-5	
Isophorone	ND	ug/kg	385	1	09/29/20 13:22	09/30/20 17:49	78-59-1	
2-Methylnaphthalene	ND	ug/kg	385	1	09/29/20 13:22	09/30/20 17:49	91-57-6	
2-Methylphenol(o-Cresol)	ND	ug/kg	385	1	09/29/20 13:22	09/30/20 17:49	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/kg	385	1	09/29/20 13:22	09/30/20 17:49	15831-10-4	
Naphthalene	ND	ug/kg	385	1	09/29/20 13:22	09/30/20 17:49	91-20-3	
2-Nitroaniline	ND	ug/kg	769	1	09/29/20 13:22	09/30/20 17:49	88-74-4	
3-Nitroaniline	ND	ug/kg	769	1	09/29/20 13:22	09/30/20 17:49	99-09-2	
4-Nitroaniline	ND	ug/kg	769	1	09/29/20 13:22	09/30/20 17:49	100-01-6	
Nitrobenzene	ND	ug/kg	385	1	09/29/20 13:22	09/30/20 17:49	98-95-3	
2-Nitrophenol	ND	ug/kg	385	1	09/29/20 13:22	09/30/20 17:49	88-75-5	
4-Nitrophenol	ND	ug/kg	1950	1	09/29/20 13:22	09/30/20 17:49	100-02-7	
N-Nitroso-di-n-propylamine	ND	ug/kg	385	1	09/29/20 13:22	09/30/20 17:49	621-64-7	
N-Nitrosodiphenylamine	ND	ug/kg	385	1	09/29/20 13:22	09/30/20 17:49	86-30-6	
Pentachlorophenol	ND	ug/kg	1950	1	09/29/20 13:22	09/30/20 17:49	87-86-5	
Phenanthrene	ND	ug/kg	385	1	09/29/20 13:22	09/30/20 17:49	85-01-8	
Phenol	ND	ug/kg	385	1	09/29/20 13:22	09/30/20 17:49	108-95-2	
Pyrene	ND	ug/kg	385	1	09/29/20 13:22	09/30/20 17:49	129-00-0	
Pyridine	ND	ug/kg	385	1	09/29/20 13:22	09/30/20 17:49	110-86-1	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: PINE LAWN

Pace Project No.: 60349231

Sample: DPT-8-SO-(29-30) **Lab ID: 60349231005** Collected: 09/22/20 14:47 Received: 09/23/20 04:59 Matrix: Solid

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

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Semivolatiles								
Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Pace Analytical Services - Kansas City								
1,2,4-Trichlorobenzene	ND	ug/kg	385	1	09/29/20 13:22	09/30/20 17:49	120-82-1	
2,4,5-Trichlorophenol	ND	ug/kg	385	1	09/29/20 13:22	09/30/20 17:49	95-95-4	
2,4,6-Trichlorophenol	ND	ug/kg	385	1	09/29/20 13:22	09/30/20 17:49	88-06-2	
Surrogates								
Nitrobenzene-d5 (S)	70	%	33-132	1	09/29/20 13:22	09/30/20 17:49	4165-60-0	
2-Fluorobiphenyl (S)	71	%	39-136	1	09/29/20 13:22	09/30/20 17:49	321-60-8	
Terphenyl-d14 (S)	74	%	29-131	1	09/29/20 13:22	09/30/20 17:49	1718-51-0	
Phenol-d6 (S)	68	%	43-95	1	09/29/20 13:22	09/30/20 17:49	13127-88-3	
2-Fluorophenol (S)	67	%	43-96	1	09/29/20 13:22	09/30/20 17:49	367-12-4	
2,4,6-Tribromophenol (S)	70	%	41-108	1	09/29/20 13:22	09/30/20 17:49	118-79-6	
8270 MSSV DRO/ORO								
Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Pace Analytical Services - Kansas City								
TPH-ORO	ND	mg/kg	17.9	1	09/28/20 12:36	10/01/20 20:56		
TPH-DRO	ND	mg/kg	17.9	1	09/28/20 12:36	10/01/20 20:56		
Surrogates								
Nitrobenzene-d5 (S)	80	%	33-132	1	09/28/20 12:36	10/01/20 20:56	4165-60-0	
2-Fluorobiphenyl (S)	87	%	39-136	1	09/28/20 12:36	10/01/20 20:56	321-60-8	
Terphenyl-d14 (S)	87	%	29-131	1	09/28/20 12:36	10/01/20 20:56	1718-51-0	
8260 MSV 5035A VOA								
Analytical Method: EPA 8260B Preparation Method: EPA 5035A/5030								
Pace Analytical Services - Kansas City								
Acetone	ND	ug/kg	15.2	1	09/24/20 16:10	09/25/20 00:01	67-64-1	
Benzene	ND	ug/kg	3.8	1	09/24/20 16:10	09/25/20 00:01	71-43-2	
Bromobenzene	ND	ug/kg	3.8	1	09/24/20 16:10	09/25/20 00:01	108-86-1	
Bromochloromethane	ND	ug/kg	3.8	1	09/24/20 16:10	09/25/20 00:01	74-97-5	
Bromodichloromethane	ND	ug/kg	3.8	1	09/24/20 16:10	09/25/20 00:01	75-27-4	
Bromoform	ND	ug/kg	3.8	1	09/24/20 16:10	09/25/20 00:01	75-25-2	
Bromomethane	ND	ug/kg	3.8	1	09/24/20 16:10	09/25/20 00:01	74-83-9	
2-Butanone (MEK)	ND	ug/kg	7.6	1	09/24/20 16:10	09/25/20 00:01	78-93-3	
n-Butylbenzene	ND	ug/kg	3.8	1	09/24/20 16:10	09/25/20 00:01	104-51-8	
sec-Butylbenzene	ND	ug/kg	3.8	1	09/24/20 16:10	09/25/20 00:01	135-98-8	
tert-Butylbenzene	ND	ug/kg	18.9	1	09/24/20 16:10	09/25/20 00:01	98-06-6	
Carbon disulfide	ND	ug/kg	3.8	1	09/24/20 16:10	09/25/20 00:01	75-15-0	
Carbon tetrachloride	ND	ug/kg	3.8	1	09/24/20 16:10	09/25/20 00:01	56-23-5	
Chlorobenzene	ND	ug/kg	3.8	1	09/24/20 16:10	09/25/20 00:01	108-90-7	
Chloroethane	ND	ug/kg	3.8	1	09/24/20 16:10	09/25/20 00:01	75-00-3	
Chloroform	ND	ug/kg	3.8	1	09/24/20 16:10	09/25/20 00:01	67-66-3	
Chloromethane	ND	ug/kg	3.8	1	09/24/20 16:10	09/25/20 00:01	74-87-3	
2-Chlorotoluene	ND	ug/kg	3.8	1	09/24/20 16:10	09/25/20 00:01	95-49-8	
4-Chlorotoluene	ND	ug/kg	3.8	1	09/24/20 16:10	09/25/20 00:01	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/kg	7.6	1	09/24/20 16:10	09/25/20 00:01	96-12-8	
Dibromochloromethane	ND	ug/kg	3.8	1	09/24/20 16:10	09/25/20 00:01	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	3.8	1	09/24/20 16:10	09/25/20 00:01	106-93-4	
Dibromomethane	ND	ug/kg	3.8	1	09/24/20 16:10	09/25/20 00:01	74-95-3	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: PINE LAWN

Pace Project No.: 60349231

Sample: DPT-8-SO-(29-30) Lab ID: 60349231005 Collected: 09/22/20 14:47 Received: 09/23/20 04:59 Matrix: Solid

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

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
8260 MSV 5035A VOA	Analytical Method: EPA 8260B Preparation Method: EPA 5035A/5030 Pace Analytical Services - Kansas City								
1,2-Dichlorobenzene	ND	ug/kg	3.8	1	09/24/20 16:10	09/25/20 00:01	95-50-1	SS	
1,3-Dichlorobenzene	ND	ug/kg	3.8	1	09/24/20 16:10	09/25/20 00:01	541-73-1		
1,4-Dichlorobenzene	ND	ug/kg	3.8	1	09/24/20 16:10	09/25/20 00:01	106-46-7		
Dichlorodifluoromethane	ND	ug/kg	3.8	1	09/24/20 16:10	09/25/20 00:01	75-71-8		
1,1-Dichloroethane	ND	ug/kg	3.8	1	09/24/20 16:10	09/25/20 00:01	75-34-3		
1,2-Dichloroethane	ND	ug/kg	3.8	1	09/24/20 16:10	09/25/20 00:01	107-06-2		
1,2-Dichloroethene (Total)	ND	ug/kg	3.8	1	09/24/20 16:10	09/25/20 00:01	540-59-0		
1,1-Dichloroethene	ND	ug/kg	3.8	1	09/24/20 16:10	09/25/20 00:01	75-35-4		
cis-1,2-Dichloroethene	ND	ug/kg	3.8	1	09/24/20 16:10	09/25/20 00:01	156-59-2		
trans-1,2-Dichloroethene	ND	ug/kg	3.8	1	09/24/20 16:10	09/25/20 00:01	156-60-5		
1,2-Dichloropropane	ND	ug/kg	3.8	1	09/24/20 16:10	09/25/20 00:01	78-87-5		
1,3-Dichloropropane	ND	ug/kg	3.8	1	09/24/20 16:10	09/25/20 00:01	142-28-9		
2,2-Dichloropropane	ND	ug/kg	3.8	1	09/24/20 16:10	09/25/20 00:01	594-20-7		
1,1-Dichloropropene	ND	ug/kg	3.8	1	09/24/20 16:10	09/25/20 00:01	563-58-6		
cis-1,3-Dichloropropene	ND	ug/kg	3.8	1	09/24/20 16:10	09/25/20 00:01	10061-01-5		
trans-1,3-Dichloropropene	ND	ug/kg	3.8	1	09/24/20 16:10	09/25/20 00:01	10061-02-6		
Ethylbenzene	ND	ug/kg	3.8	1	09/24/20 16:10	09/25/20 00:01	100-41-4		
Hexachloro-1,3-butadiene	ND	ug/kg	3.8	1	09/24/20 16:10	09/25/20 00:01	87-68-3		
2-Hexanone	ND	ug/kg	15.2	1	09/24/20 16:10	09/25/20 00:01	591-78-6		
Isopropylbenzene (Cumene)	ND	ug/kg	3.8	1	09/24/20 16:10	09/25/20 00:01	98-82-8		
p-Isopropyltoluene	ND	ug/kg	3.8	1	09/24/20 16:10	09/25/20 00:01	99-87-6		
Methylene Chloride	ND	ug/kg	3.8	1	09/24/20 16:10	09/25/20 00:01	75-09-2		
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	7.6	1	09/24/20 16:10	09/25/20 00:01	108-10-1		
Methyl-tert-butyl ether	ND	ug/kg	3.8	1	09/24/20 16:10	09/25/20 00:01	1634-04-4		
Naphthalene	ND	ug/kg	7.6	1	09/24/20 16:10	09/25/20 00:01	91-20-3		
n-Propylbenzene	ND	ug/kg	3.8	1	09/24/20 16:10	09/25/20 00:01	103-65-1		
Styrene	ND	ug/kg	3.8	1	09/24/20 16:10	09/25/20 00:01	100-42-5		
1,1,1,2-Tetrachloroethane	ND	ug/kg	3.8	1	09/24/20 16:10	09/25/20 00:01	630-20-6		
1,1,2,2-Tetrachloroethane	ND	ug/kg	3.8	1	09/24/20 16:10	09/25/20 00:01	79-34-5		
Tetrachloroethene	ND	ug/kg	3.8	1	09/24/20 16:10	09/25/20 00:01	127-18-4		
Toluene	ND	ug/kg	3.8	1	09/24/20 16:10	09/25/20 00:01	108-88-3		
1,2,3-Trichlorobenzene	ND	ug/kg	3.8	1	09/24/20 16:10	09/25/20 00:01	87-61-6		
1,2,4-Trichlorobenzene	ND	ug/kg	3.8	1	09/24/20 16:10	09/25/20 00:01	120-82-1		
1,1,1-Trichloroethane	ND	ug/kg	3.8	1	09/24/20 16:10	09/25/20 00:01	71-55-6		
1,1,2-Trichloroethane	ND	ug/kg	3.8	1	09/24/20 16:10	09/25/20 00:01	79-00-5		
Trichloroethene	ND	ug/kg	3.8	1	09/24/20 16:10	09/25/20 00:01	79-01-6		
Trichlorofluoromethane	ND	ug/kg	3.8	1	09/24/20 16:10	09/25/20 00:01	75-69-4		
1,2,3-Trichloropropane	ND	ug/kg	3.8	1	09/24/20 16:10	09/25/20 00:01	96-18-4		
1,2,4-Trimethylbenzene	ND	ug/kg	3.8	1	09/24/20 16:10	09/25/20 00:01	95-63-6		
1,3,5-Trimethylbenzene	ND	ug/kg	3.8	1	09/24/20 16:10	09/25/20 00:01	108-67-8		
Vinyl chloride	ND	ug/kg	3.8	1	09/24/20 16:10	09/25/20 00:01	75-01-4		
Xylene (Total)	ND	ug/kg	3.8	1	09/24/20 16:10	09/25/20 00:01	1330-20-7		
Surrogates									
Toluene-d8 (S)	101	%	80-120	1	09/24/20 16:10	09/25/20 00:01	2037-26-5		
4-Bromofluorobenzene (S)	97	%	85-115	1	09/24/20 16:10	09/25/20 00:01	460-00-4		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: PINE LAWN

Pace Project No.: 60349231

Sample: DPT-8-SO-(29-30) **Lab ID:** 60349231005 Collected: 09/22/20 14:47 Received: 09/23/20 04:59 Matrix: Solid

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

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035A VOA								
Analytical Method: EPA 8260B Preparation Method: EPA 5035A/5030								
Pace Analytical Services - Kansas City								
Surrogates								
1,2-Dichloroethane-d4 (S)	103	%	78-118	1	09/24/20 16:10	09/25/20 00:01	17060-07-0	
8260 MSV GRO and Oxygenates								
Analytical Method: EPA 8260 Preparation Method: EPA 5035								
Pace Analytical Services - Kansas City								
TPH-GRO	ND	mg/kg	0.38	1	09/24/20 16:10	09/25/20 00:01		
Surrogates								
Toluene-d8 (S)	101	%	78-122	1	09/24/20 16:10	09/25/20 00:01	2037-26-5	
4-Bromofluorobenzene (S)	97	%	69-133	1	09/24/20 16:10	09/25/20 00:01	460-00-4	
1,2-Dichloroethane-d4 (S)	103	%	80-123	1	09/24/20 16:10	09/25/20 00:01	17060-07-0	
Percent Moisture								
Analytical Method: ASTM D2974								
Pace Analytical Services - Kansas City								
Percent Moisture	16.1	%	0.50	1		09/24/20 15:46		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: PINE LAWN

Pace Project No.: 60349231

Sample: DPT-8-SO-(29-30)-FD **Lab ID:** 60349231006 **Collected:** 09/22/20 14:47 **Received:** 09/23/20 04:59 **Matrix:** Solid

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

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8082 GCS PCB SW								
Analytical Method: EPA 8082 Preparation Method: EPA 3546								
Pace Analytical Services - Kansas City								
PCB-1016 (Aroclor 1016)	ND	ug/kg	38.0	1	09/29/20 15:19	10/01/20 22:26	12674-11-2	
PCB-1221 (Aroclor 1221)	ND	ug/kg	38.0	1	09/29/20 15:19	10/01/20 22:26	11104-28-2	
PCB-1232 (Aroclor 1232)	ND	ug/kg	38.0	1	09/29/20 15:19	10/01/20 22:26	11141-16-5	
PCB-1242 (Aroclor 1242)	ND	ug/kg	38.0	1	09/29/20 15:19	10/01/20 22:26	53469-21-9	
PCB-1248 (Aroclor 1248)	ND	ug/kg	38.0	1	09/29/20 15:19	10/01/20 22:26	12672-29-6	
PCB-1254 (Aroclor 1254)	ND	ug/kg	38.0	1	09/29/20 15:19	10/01/20 22:26	11097-69-1	
PCB-1260 (Aroclor 1260)	ND	ug/kg	38.0	1	09/29/20 15:19	10/01/20 22:26	11096-82-5	
Surrogates								
Decachlorobiphenyl (S)	92	%	28-143	1	09/29/20 15:19	10/01/20 22:26	2051-24-3	
6010 MET ICP Red. Interference								
Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Pace Analytical Services - Kansas City								
Arsenic	2.8	mg/kg	0.95	1	10/02/20 10:03	10/05/20 14:10	7440-38-2	
Barium	81.0	mg/kg	0.47	1	10/02/20 10:03	10/05/20 14:10	7440-39-3	
Cadmium	ND	mg/kg	0.47	1	10/02/20 10:03	10/05/20 14:10	7440-43-9	
Chromium	28.3	mg/kg	0.47	1	10/02/20 10:03	10/05/20 14:10	7440-47-3	
Lead	6.7	mg/kg	0.95	1	10/02/20 10:03	10/05/20 14:10	7439-92-1	
Selenium	ND	mg/kg	1.4	1	10/02/20 10:03	10/05/20 14:10	7782-49-2	
Silver	ND	mg/kg	0.66	1	10/02/20 10:03	10/05/20 14:10	7440-22-4	
7471 Mercury								
Analytical Method: EPA 7471 Preparation Method: EPA 7471								
Pace Analytical Services - Kansas City								
Mercury	ND	mg/kg	0.046	1	09/30/20 18:07	10/01/20 12:58	7439-97-6	
8270 MSSV Semivolatiles								
Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Pace Analytical Services - Kansas City								
Acenaphthene	ND	ug/kg	379	1	09/29/20 13:22	09/30/20 18:10	83-32-9	
Acenaphthylene	ND	ug/kg	379	1	09/29/20 13:22	09/30/20 18:10	208-96-8	
Anthracene	ND	ug/kg	379	1	09/29/20 13:22	09/30/20 18:10	120-12-7	
Benzo(a)anthracene	ND	ug/kg	379	1	09/29/20 13:22	09/30/20 18:10	56-55-3	
Benzo(a)pyrene	ND	ug/kg	379	1	09/29/20 13:22	09/30/20 18:10	50-32-8	
Benzo(b)fluoranthene	ND	ug/kg	379	1	09/29/20 13:22	09/30/20 18:10	205-99-2	
Benzo(g,h,i)perylene	ND	ug/kg	379	1	09/29/20 13:22	09/30/20 18:10	191-24-2	
Benzo(k)fluoranthene	ND	ug/kg	379	1	09/29/20 13:22	09/30/20 18:10	207-08-9	
Benzoic Acid	ND	ug/kg	1920	1	09/29/20 13:22	09/30/20 18:10	65-85-0	L1
Benzyl alcohol	ND	ug/kg	758	1	09/29/20 13:22	09/30/20 18:10	100-51-6	
4-Bromophenylphenyl ether	ND	ug/kg	379	1	09/29/20 13:22	09/30/20 18:10	101-55-3	
Butylbenzylphthalate	ND	ug/kg	379	1	09/29/20 13:22	09/30/20 18:10	85-68-7	
Carbazole	ND	ug/kg	379	1	09/29/20 13:22	09/30/20 18:10	86-74-8	
4-Chloro-3-methylphenol	ND	ug/kg	758	1	09/29/20 13:22	09/30/20 18:10	59-50-7	
4-Chloroaniline	ND	ug/kg	758	1	09/29/20 13:22	09/30/20 18:10	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/kg	379	1	09/29/20 13:22	09/30/20 18:10	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/kg	379	1	09/29/20 13:22	09/30/20 18:10	111-44-4	
bis(2-Chloroisopropyl) ether	ND	ug/kg	379	1	09/29/20 13:22	09/30/20 18:10	108-60-1	
2-Chloronaphthalene	ND	ug/kg	379	1	09/29/20 13:22	09/30/20 18:10	91-58-7	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: PINE LAWN

Pace Project No.: 60349231

Sample: DPT-8-SO-(29-30)-FD **Lab ID: 60349231006** Collected: 09/22/20 14:47 Received: 09/23/20 04:59 Matrix: Solid

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

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Semivolatiles		Analytical Method: EPA 8270 Preparation Method: EPA 3546 Pace Analytical Services - Kansas City						
2-Chlorophenol	ND	ug/kg	379	1	09/29/20 13:22	09/30/20 18:10	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/kg	379	1	09/29/20 13:22	09/30/20 18:10	7005-72-3	
Chrysene	ND	ug/kg	379	1	09/29/20 13:22	09/30/20 18:10	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	379	1	09/29/20 13:22	09/30/20 18:10	53-70-3	
Dibenzofuran	ND	ug/kg	379	1	09/29/20 13:22	09/30/20 18:10	132-64-9	
1,2-Dichlorobenzene	ND	ug/kg	379	1	09/29/20 13:22	09/30/20 18:10	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	379	1	09/29/20 13:22	09/30/20 18:10	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	379	1	09/29/20 13:22	09/30/20 18:10	106-46-7	
3,3'-Dichlorobenzidine	ND	ug/kg	758	1	09/29/20 13:22	09/30/20 18:10	91-94-1	
2,4-Dichlorophenol	ND	ug/kg	379	1	09/29/20 13:22	09/30/20 18:10	120-83-2	
Diethylphthalate	ND	ug/kg	379	1	09/29/20 13:22	09/30/20 18:10	84-66-2	
2,4-Dimethylphenol	ND	ug/kg	379	1	09/29/20 13:22	09/30/20 18:10	105-67-9	
Dimethylphthalate	ND	ug/kg	379	1	09/29/20 13:22	09/30/20 18:10	131-11-3	
Di-n-butylphthalate	ND	ug/kg	379	1	09/29/20 13:22	09/30/20 18:10	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/kg	1920	1	09/29/20 13:22	09/30/20 18:10	534-52-1	
2,4-Dinitrophenol	ND	ug/kg	1920	1	09/29/20 13:22	09/30/20 18:10	51-28-5	
2,4-Dinitrotoluene	ND	ug/kg	379	1	09/29/20 13:22	09/30/20 18:10	121-14-2	
2,6-Dinitrotoluene	ND	ug/kg	379	1	09/29/20 13:22	09/30/20 18:10	606-20-2	
Di-n-octylphthalate	ND	ug/kg	379	1	09/29/20 13:22	09/30/20 18:10	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/kg	379	1	09/29/20 13:22	09/30/20 18:10	117-81-7	
Fluoranthene	ND	ug/kg	379	1	09/29/20 13:22	09/30/20 18:10	206-44-0	
Fluorene	ND	ug/kg	379	1	09/29/20 13:22	09/30/20 18:10	86-73-7	
Hexachloro-1,3-butadiene	ND	ug/kg	379	1	09/29/20 13:22	09/30/20 18:10	87-68-3	
Hexachlorobenzene	ND	ug/kg	379	1	09/29/20 13:22	09/30/20 18:10	118-74-1	
Hexachlorocyclopentadiene	ND	ug/kg	379	1	09/29/20 13:22	09/30/20 18:10	77-47-4	
Hexachloroethane	ND	ug/kg	379	1	09/29/20 13:22	09/30/20 18:10	67-72-1	
Indeno(1,2,3-cd)pyrene	ND	ug/kg	379	1	09/29/20 13:22	09/30/20 18:10	193-39-5	
Isophorone	ND	ug/kg	379	1	09/29/20 13:22	09/30/20 18:10	78-59-1	
2-Methylnaphthalene	ND	ug/kg	379	1	09/29/20 13:22	09/30/20 18:10	91-57-6	
2-Methylphenol(o-Cresol)	ND	ug/kg	379	1	09/29/20 13:22	09/30/20 18:10	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/kg	379	1	09/29/20 13:22	09/30/20 18:10	15831-10-4	
Naphthalene	ND	ug/kg	379	1	09/29/20 13:22	09/30/20 18:10	91-20-3	
2-Nitroaniline	ND	ug/kg	758	1	09/29/20 13:22	09/30/20 18:10	88-74-4	
3-Nitroaniline	ND	ug/kg	758	1	09/29/20 13:22	09/30/20 18:10	99-09-2	
4-Nitroaniline	ND	ug/kg	758	1	09/29/20 13:22	09/30/20 18:10	100-01-6	
Nitrobenzene	ND	ug/kg	379	1	09/29/20 13:22	09/30/20 18:10	98-95-3	
2-Nitrophenol	ND	ug/kg	379	1	09/29/20 13:22	09/30/20 18:10	88-75-5	
4-Nitrophenol	ND	ug/kg	1920	1	09/29/20 13:22	09/30/20 18:10	100-02-7	
N-Nitroso-di-n-propylamine	ND	ug/kg	379	1	09/29/20 13:22	09/30/20 18:10	621-64-7	
N-Nitrosodiphenylamine	ND	ug/kg	379	1	09/29/20 13:22	09/30/20 18:10	86-30-6	
Pentachlorophenol	ND	ug/kg	1920	1	09/29/20 13:22	09/30/20 18:10	87-86-5	
Phenanthrene	ND	ug/kg	379	1	09/29/20 13:22	09/30/20 18:10	85-01-8	
Phenol	ND	ug/kg	379	1	09/29/20 13:22	09/30/20 18:10	108-95-2	
Pyrene	ND	ug/kg	379	1	09/29/20 13:22	09/30/20 18:10	129-00-0	
Pyridine	ND	ug/kg	379	1	09/29/20 13:22	09/30/20 18:10	110-86-1	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: PINE LAWN

Pace Project No.: 60349231

Sample: DPT-8-SO-(29-30)-FD **Lab ID:** 60349231006 **Collected:** 09/22/20 14:47 **Received:** 09/23/20 04:59 **Matrix:** Solid

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

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Semivolatiles								
Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Pace Analytical Services - Kansas City								
1,2,4-Trichlorobenzene	ND	ug/kg	379	1	09/29/20 13:22	09/30/20 18:10	120-82-1	
2,4,5-Trichlorophenol	ND	ug/kg	379	1	09/29/20 13:22	09/30/20 18:10	95-95-4	
2,4,6-Trichlorophenol	ND	ug/kg	379	1	09/29/20 13:22	09/30/20 18:10	88-06-2	
Surrogates								
Nitrobenzene-d5 (S)	69	%	33-132	1	09/29/20 13:22	09/30/20 18:10	4165-60-0	
2-Fluorobiphenyl (S)	69	%	39-136	1	09/29/20 13:22	09/30/20 18:10	321-60-8	
Terphenyl-d14 (S)	72	%	29-131	1	09/29/20 13:22	09/30/20 18:10	1718-51-0	
Phenol-d6 (S)	64	%	43-95	1	09/29/20 13:22	09/30/20 18:10	13127-88-3	
2-Fluorophenol (S)	64	%	43-96	1	09/29/20 13:22	09/30/20 18:10	367-12-4	
2,4,6-Tribromophenol (S)	65	%	41-108	1	09/29/20 13:22	09/30/20 18:10	118-79-6	
8270 MSSV DRO/ORO								
Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Pace Analytical Services - Kansas City								
TPH-ORO	ND	mg/kg	17.8	1	10/02/20 15:05	10/05/20 10:34		
TPH-DRO	ND	mg/kg	17.8	1	10/02/20 15:05	10/05/20 10:34		
Surrogates								
Nitrobenzene-d5 (S)	87	%	33-132	1	10/02/20 15:05	10/05/20 10:34	4165-60-0	
2-Fluorobiphenyl (S)	96	%	39-136	1	10/02/20 15:05	10/05/20 10:34	321-60-8	
Terphenyl-d14 (S)	105	%	29-131	1	10/02/20 15:05	10/05/20 10:34	1718-51-0	
8260 MSV 5035A VOA								
Analytical Method: EPA 8260B Preparation Method: EPA 5035A/5030								
Pace Analytical Services - Kansas City								
Acetone	ND	ug/kg	14.5	1	09/24/20 16:10	09/25/20 00:16	67-64-1	
Benzene	ND	ug/kg	3.6	1	09/24/20 16:10	09/25/20 00:16	71-43-2	
Bromobenzene	ND	ug/kg	3.6	1	09/24/20 16:10	09/25/20 00:16	108-86-1	
Bromochloromethane	ND	ug/kg	3.6	1	09/24/20 16:10	09/25/20 00:16	74-97-5	
Bromodichloromethane	ND	ug/kg	3.6	1	09/24/20 16:10	09/25/20 00:16	75-27-4	
Bromoform	ND	ug/kg	3.6	1	09/24/20 16:10	09/25/20 00:16	75-25-2	
Bromomethane	ND	ug/kg	3.6	1	09/24/20 16:10	09/25/20 00:16	74-83-9	
2-Butanone (MEK)	ND	ug/kg	7.3	1	09/24/20 16:10	09/25/20 00:16	78-93-3	
n-Butylbenzene	ND	ug/kg	3.6	1	09/24/20 16:10	09/25/20 00:16	104-51-8	
sec-Butylbenzene	ND	ug/kg	3.6	1	09/24/20 16:10	09/25/20 00:16	135-98-8	
tert-Butylbenzene	ND	ug/kg	18.2	1	09/24/20 16:10	09/25/20 00:16	98-06-6	
Carbon disulfide	ND	ug/kg	3.6	1	09/24/20 16:10	09/25/20 00:16	75-15-0	
Carbon tetrachloride	ND	ug/kg	3.6	1	09/24/20 16:10	09/25/20 00:16	56-23-5	
Chlorobenzene	ND	ug/kg	3.6	1	09/24/20 16:10	09/25/20 00:16	108-90-7	
Chloroethane	ND	ug/kg	3.6	1	09/24/20 16:10	09/25/20 00:16	75-00-3	
Chloroform	ND	ug/kg	3.6	1	09/24/20 16:10	09/25/20 00:16	67-66-3	
Chloromethane	ND	ug/kg	3.6	1	09/24/20 16:10	09/25/20 00:16	74-87-3	
2-Chlorotoluene	ND	ug/kg	3.6	1	09/24/20 16:10	09/25/20 00:16	95-49-8	
4-Chlorotoluene	ND	ug/kg	3.6	1	09/24/20 16:10	09/25/20 00:16	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/kg	7.3	1	09/24/20 16:10	09/25/20 00:16	96-12-8	
Dibromochloromethane	ND	ug/kg	3.6	1	09/24/20 16:10	09/25/20 00:16	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	3.6	1	09/24/20 16:10	09/25/20 00:16	106-93-4	
Dibromomethane	ND	ug/kg	3.6	1	09/24/20 16:10	09/25/20 00:16	74-95-3	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: PINE LAWN

Pace Project No.: 60349231

Sample: DPT-8-SO-(29-30)-FD Lab ID: 60349231006 Collected: 09/22/20 14:47 Received: 09/23/20 04:59 Matrix: Solid

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

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035A VOA								
Analytical Method: EPA 8260B Preparation Method: EPA 5035A/5030								
Pace Analytical Services - Kansas City								
1,2-Dichlorobenzene	ND	ug/kg	3.6	1	09/24/20 16:10	09/25/20 00:16	95-50-1	SS
1,3-Dichlorobenzene	ND	ug/kg	3.6	1	09/24/20 16:10	09/25/20 00:16	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	3.6	1	09/24/20 16:10	09/25/20 00:16	106-46-7	
Dichlorodifluoromethane	ND	ug/kg	3.6	1	09/24/20 16:10	09/25/20 00:16	75-71-8	
1,1-Dichloroethane	ND	ug/kg	3.6	1	09/24/20 16:10	09/25/20 00:16	75-34-3	
1,2-Dichloroethane	ND	ug/kg	3.6	1	09/24/20 16:10	09/25/20 00:16	107-06-2	
1,2-Dichloroethene (Total)	ND	ug/kg	3.6	1	09/24/20 16:10	09/25/20 00:16	540-59-0	
1,1-Dichloroethene	ND	ug/kg	3.6	1	09/24/20 16:10	09/25/20 00:16	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	3.6	1	09/24/20 16:10	09/25/20 00:16	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	3.6	1	09/24/20 16:10	09/25/20 00:16	156-60-5	
1,2-Dichloropropane	ND	ug/kg	3.6	1	09/24/20 16:10	09/25/20 00:16	78-87-5	
1,3-Dichloropropane	ND	ug/kg	3.6	1	09/24/20 16:10	09/25/20 00:16	142-28-9	
2,2-Dichloropropane	ND	ug/kg	3.6	1	09/24/20 16:10	09/25/20 00:16	594-20-7	
1,1-Dichloropropene	ND	ug/kg	3.6	1	09/24/20 16:10	09/25/20 00:16	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	3.6	1	09/24/20 16:10	09/25/20 00:16	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	3.6	1	09/24/20 16:10	09/25/20 00:16	10061-02-6	
Ethylbenzene	ND	ug/kg	3.6	1	09/24/20 16:10	09/25/20 00:16	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/kg	3.6	1	09/24/20 16:10	09/25/20 00:16	87-68-3	
2-Hexanone	ND	ug/kg	14.5	1	09/24/20 16:10	09/25/20 00:16	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/kg	3.6	1	09/24/20 16:10	09/25/20 00:16	98-82-8	
p-Isopropyltoluene	ND	ug/kg	3.6	1	09/24/20 16:10	09/25/20 00:16	99-87-6	
Methylene Chloride	ND	ug/kg	3.6	1	09/24/20 16:10	09/25/20 00:16	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	7.3	1	09/24/20 16:10	09/25/20 00:16	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	3.6	1	09/24/20 16:10	09/25/20 00:16	1634-04-4	
Naphthalene	ND	ug/kg	7.3	1	09/24/20 16:10	09/25/20 00:16	91-20-3	
n-Propylbenzene	ND	ug/kg	3.6	1	09/24/20 16:10	09/25/20 00:16	103-65-1	
Styrene	ND	ug/kg	3.6	1	09/24/20 16:10	09/25/20 00:16	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	3.6	1	09/24/20 16:10	09/25/20 00:16	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	3.6	1	09/24/20 16:10	09/25/20 00:16	79-34-5	
Tetrachloroethene	ND	ug/kg	3.6	1	09/24/20 16:10	09/25/20 00:16	127-18-4	
Toluene	ND	ug/kg	3.6	1	09/24/20 16:10	09/25/20 00:16	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	3.6	1	09/24/20 16:10	09/25/20 00:16	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	3.6	1	09/24/20 16:10	09/25/20 00:16	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	3.6	1	09/24/20 16:10	09/25/20 00:16	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	3.6	1	09/24/20 16:10	09/25/20 00:16	79-00-5	
Trichloroethene	ND	ug/kg	3.6	1	09/24/20 16:10	09/25/20 00:16	79-01-6	
Trichlorofluoromethane	ND	ug/kg	3.6	1	09/24/20 16:10	09/25/20 00:16	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	3.6	1	09/24/20 16:10	09/25/20 00:16	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/kg	3.6	1	09/24/20 16:10	09/25/20 00:16	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	3.6	1	09/24/20 16:10	09/25/20 00:16	108-67-8	
Vinyl chloride	ND	ug/kg	3.6	1	09/24/20 16:10	09/25/20 00:16	75-01-4	
Xylene (Total)	ND	ug/kg	3.6	1	09/24/20 16:10	09/25/20 00:16	1330-20-7	
Surrogates								
Toluene-d8 (S)	102	%	80-120	1	09/24/20 16:10	09/25/20 00:16	2037-26-5	
4-Bromofluorobenzene (S)	97	%	85-115	1	09/24/20 16:10	09/25/20 00:16	460-00-4	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: PINE LAWN

Pace Project No.: 60349231

Sample: DPT-8-SO-(29-30)-FD **Lab ID:** 60349231006 Collected: 09/22/20 14:47 Received: 09/23/20 04:59 Matrix: Solid

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

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035A VOA								
Analytical Method: EPA 8260B Preparation Method: EPA 5035A/5030								
Pace Analytical Services - Kansas City								
Surrogates								
1,2-Dichloroethane-d4 (S)	104	%	78-118	1	09/24/20 16:10	09/25/20 00:16	17060-07-0	
8260 MSV GRO and Oxygenates								
Analytical Method: EPA 8260 Preparation Method: EPA 5035								
Pace Analytical Services - Kansas City								
TPH-GRO	ND	mg/kg	0.36	1	09/24/20 16:10	09/25/20 00:16		
Surrogates								
Toluene-d8 (S)	102	%	78-122	1	09/24/20 16:10	09/25/20 00:16	2037-26-5	
4-Bromofluorobenzene (S)	97	%	69-133	1	09/24/20 16:10	09/25/20 00:16	460-00-4	
1,2-Dichloroethane-d4 (S)	104	%	80-123	1	09/24/20 16:10	09/25/20 00:16	17060-07-0	
Percent Moisture								
Analytical Method: ASTM D2974								
Pace Analytical Services - Kansas City								
Percent Moisture	16.1	%	0.50	1		09/24/20 15:46		

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: PINE LAWN

Pace Project No.: 60349231

QC Batch: 679620

Analysis Method: EPA 7470

QC Batch Method: EPA 7470

Analysis Description: 7470 Mercury

Laboratory: Pace Analytical Services - Kansas City

Associated Lab Samples: 60349231003

METHOD BLANK: 2747878

Matrix: Water

Associated Lab Samples: 60349231003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury	ug/L	ND	0.20	10/01/20 10:47	

LABORATORY CONTROL SAMPLE: 2747879

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	5	5.0	100	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2747880 2747881

Parameter	Units	60349231003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	ug/L	ND	5	5	5.3	5.0	106	100	75-125	6	20	

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

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: PINE LAWN

Pace Project No.: 60349231

QC Batch: 679617

Analysis Method: EPA 7470

QC Batch Method: EPA 7470

Analysis Description: 7470 Mercury ,Dissolved

Laboratory: Pace Analytical Services - Kansas City

Associated Lab Samples: 60349231003

METHOD BLANK: 2747874

Matrix: Water

Associated Lab Samples: 60349231003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury, Dissolved	ug/L	ND	0.20	10/01/20 09:57	

LABORATORY CONTROL SAMPLE: 2747875

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury, Dissolved	ug/L	5	5.2	105	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2747876 2747877

Parameter	Units	60349234004 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury, Dissolved	ug/L	ND	5	5	4.7	4.6	94	93	75-125	1	20	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: PINE LAWN
Pace Project No.: 60349231

QC Batch: 679970 Analysis Method: EPA 7471
QC Batch Method: EPA 7471 Analysis Description: 7471 Mercury
Laboratory: Pace Analytical Services - Kansas City
Associated Lab Samples: 60349231001, 60349231002, 60349231005, 60349231006

METHOD BLANK: 2748882 Matrix: Solid
Associated Lab Samples: 60349231001, 60349231002, 60349231005, 60349231006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury	mg/kg	ND	0.050	10/01/20 12:26	

LABORATORY CONTROL SAMPLE: 2748883

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	mg/kg	0.5	0.52	104	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2748884 2748885

Parameter	Units	60349230001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	mg/kg	ND	0.53	0.52	0.58	0.53	102	96	75-125	8	20	

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

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: PINE LAWN
Pace Project No.: 60349231

QC Batch: 680399 Analysis Method: EPA 6010
QC Batch Method: EPA 3050 Analysis Description: 6010 MET
Laboratory: Pace Analytical Services - Kansas City
Associated Lab Samples: 60349231001, 60349231002, 60349231005, 60349231006

METHOD BLANK: 2750577 Matrix: Solid
Associated Lab Samples: 60349231001, 60349231002, 60349231005, 60349231006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Arsenic	mg/kg	ND	1.0	10/05/20 13:34	
Barium	mg/kg	ND	0.50	10/05/20 13:34	
Cadmium	mg/kg	ND	0.50	10/05/20 13:34	
Chromium	mg/kg	ND	0.50	10/05/20 13:34	
Lead	mg/kg	ND	1.0	10/05/20 13:34	
Selenium	mg/kg	ND	1.5	10/05/20 13:34	
Silver	mg/kg	ND	0.70	10/05/20 13:34	

LABORATORY CONTROL SAMPLE: 2750578

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Arsenic	mg/kg	100	101	101	80-120	
Barium	mg/kg	100	104	104	80-120	
Cadmium	mg/kg	100	101	101	80-120	
Chromium	mg/kg	100	106	106	80-120	
Lead	mg/kg	100	107	107	80-120	
Selenium	mg/kg	100	99.6	100	80-120	
Silver	mg/kg	50	51.4	103	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2750579 2750580

Parameter	Units	60349230001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Arsenic	mg/kg	5.0	96.8	93.7	93.2	89.5	91	90	75-125	4	20	
Barium	mg/kg	69.8	96.8	93.7	173	168	107	104	75-125	3	20	
Cadmium	mg/kg	ND	96.8	93.7	87.0	83.4	90	89	75-125	4	20	
Chromium	mg/kg	26.8	96.8	93.7	130	125	107	104	75-125	4	20	
Lead	mg/kg	11.2	96.8	93.7	101	97.3	92	92	75-125	3	20	
Selenium	mg/kg	ND	96.8	93.7	82.9	79.7	86	85	75-125	4	20	
Silver	mg/kg	ND	48.4	46.9	46.6	44.5	95	94	75-125	4	20	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: PINE LAWN
Pace Project No.: 60349231

QC Batch: 680313	Analysis Method: EPA 6010
QC Batch Method: EPA 3010	Analysis Description: 6010 MET
	Laboratory: Pace Analytical Services - Kansas City

Associated Lab Samples: 60349231003

METHOD BLANK: 2750129 Matrix: Water

Associated Lab Samples: 60349231003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Arsenic	ug/L	ND	10.0	10/02/20 15:58	
Barium	ug/L	ND	5.0	10/02/20 15:58	
Cadmium	ug/L	ND	5.0	10/02/20 15:58	
Chromium	ug/L	ND	5.0	10/02/20 15:58	
Lead	ug/L	ND	10.0	10/02/20 15:58	
Selenium	ug/L	ND	15.0	10/02/20 15:58	
Silver	ug/L	ND	7.0	10/02/20 15:58	

LABORATORY CONTROL SAMPLE: 2750130

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Arsenic	ug/L	1000	979	98	80-120	
Barium	ug/L	1000	936	94	80-120	
Cadmium	ug/L	1000	989	99	80-120	
Chromium	ug/L	1000	970	97	80-120	
Lead	ug/L	1000	1000	100	80-120	
Selenium	ug/L	1000	1020	102	80-120	
Silver	ug/L	500	481	96	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2750131 2750132

Parameter	Units	60349231003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Arsenic	ug/L	ND	1000	1000	962	980	96	98	75-125	2	20	
Barium	ug/L	ND	1000	1000	928	943	93	94	75-125	2	20	
Cadmium	ug/L	ND	1000	1000	974	992	97	99	75-125	2	20	
Chromium	ug/L	ND	1000	1000	961	992	96	99	75-125	3	20	
Lead	ug/L	ND	1000	1000	994	1010	99	101	75-125	1	20	
Selenium	ug/L	ND	1000	1000	999	1020	100	102	75-125	2	20	
Silver	ug/L	ND	500	500	480	487	96	97	75-125	1	20	

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QUALITY CONTROL DATA

Project: PINE LAWN
Pace Project No.: 60349231

QC Batch: 680316	Analysis Method: EPA 6010
QC Batch Method: EPA 3010	Analysis Description: 6010 MET Dissolved
	Laboratory: Pace Analytical Services - Kansas City

Associated Lab Samples: 60349231003

METHOD BLANK: 2750140 Matrix: Water

Associated Lab Samples: 60349231003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Arsenic, Dissolved	ug/L	ND	10.0	10/02/20 15:20	
Barium, Dissolved	ug/L	ND	5.0	10/02/20 15:20	
Cadmium, Dissolved	ug/L	ND	5.0	10/02/20 15:20	
Chromium, Dissolved	ug/L	ND	5.0	10/02/20 15:20	
Lead, Dissolved	ug/L	ND	10.0	10/02/20 15:20	
Selenium, Dissolved	ug/L	ND	15.0	10/02/20 15:20	
Silver, Dissolved	ug/L	ND	7.0	10/02/20 15:20	

LABORATORY CONTROL SAMPLE: 2750141

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Arsenic, Dissolved	ug/L	1000	934	93	80-120	
Barium, Dissolved	ug/L	1000	904	90	80-120	
Cadmium, Dissolved	ug/L	1000	951	95	80-120	
Chromium, Dissolved	ug/L	1000	939	94	80-120	
Lead, Dissolved	ug/L	1000	968	97	80-120	
Selenium, Dissolved	ug/L	1000	979	98	80-120	
Silver, Dissolved	ug/L	500	465	93	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2750142 2750143

Parameter	Units	60348891001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Arsenic, Dissolved	ug/L	ND	1000	1000	970	1000	97	100	75-125	3	20	
Barium, Dissolved	ug/L	68.4	1000	1000	992	1000	92	93	75-125	1	20	
Cadmium, Dissolved	ug/L	ND	1000	1000	957	975	95	97	75-125	2	20	
Chromium, Dissolved	ug/L	ND	1000	1000	936	945	93	94	75-125	1	20	
Lead, Dissolved	ug/L	ND	1000	1000	950	969	95	97	75-125	2	20	
Selenium, Dissolved	ug/L	ND	1000	1000	980	994	98	99	75-125	1	20	
Silver, Dissolved	ug/L	ND	500	500	466	473	93	95	75-125	1	20	

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QUALITY CONTROL DATA

Project: PINE LAWN

Pace Project No.: 60349231

QC Batch: 678876

Analysis Method: EPA 8260B

QC Batch Method: EPA 5035A/5030

Analysis Description: 8260 MSV 5035A Volatile Organics

Laboratory: Pace Analytical Services - Kansas City

Associated Lab Samples: 60349231001, 60349231002, 60349231004, 60349231005, 60349231006

METHOD BLANK: 2744715

Matrix: Solid

Associated Lab Samples: 60349231001, 60349231002, 60349231004, 60349231005, 60349231006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	ND	5.0	09/24/20 21:41	
1,1,1-Trichloroethane	ug/kg	ND	5.0	09/24/20 21:41	
1,1,2,2-Tetrachloroethane	ug/kg	ND	5.0	09/24/20 21:41	
1,1,2-Trichloroethane	ug/kg	ND	5.0	09/24/20 21:41	
1,1-Dichloroethane	ug/kg	ND	5.0	09/24/20 21:41	
1,1-Dichloroethene	ug/kg	ND	5.0	09/24/20 21:41	
1,1-Dichloropropene	ug/kg	ND	5.0	09/24/20 21:41	
1,2,3-Trichlorobenzene	ug/kg	ND	5.0	09/24/20 21:41	
1,2,3-Trichloropropane	ug/kg	ND	5.0	09/24/20 21:41	
1,2,4-Trichlorobenzene	ug/kg	ND	5.0	09/24/20 21:41	
1,2,4-Trimethylbenzene	ug/kg	ND	5.0	09/24/20 21:41	
1,2-Dibromo-3-chloropropane	ug/kg	ND	10.0	09/24/20 21:41	
1,2-Dibromoethane (EDB)	ug/kg	ND	5.0	09/24/20 21:41	
1,2-Dichlorobenzene	ug/kg	ND	5.0	09/24/20 21:41	
1,2-Dichloroethane	ug/kg	ND	5.0	09/24/20 21:41	
1,2-Dichloroethene (Total)	ug/kg	ND	5.0	09/24/20 21:41	
1,2-Dichloropropane	ug/kg	ND	5.0	09/24/20 21:41	
1,3,5-Trimethylbenzene	ug/kg	ND	5.0	09/24/20 21:41	
1,3-Dichlorobenzene	ug/kg	ND	5.0	09/24/20 21:41	
1,3-Dichloropropane	ug/kg	ND	5.0	09/24/20 21:41	
1,4-Dichlorobenzene	ug/kg	ND	5.0	09/24/20 21:41	
2,2-Dichloropropane	ug/kg	ND	5.0	09/24/20 21:41	
2-Butanone (MEK)	ug/kg	ND	10.0	09/24/20 21:41	
2-Chlorotoluene	ug/kg	ND	5.0	09/24/20 21:41	
2-Hexanone	ug/kg	ND	20.0	09/24/20 21:41	
4-Chlorotoluene	ug/kg	ND	5.0	09/24/20 21:41	
4-Methyl-2-pentanone (MIBK)	ug/kg	ND	10.0	09/24/20 21:41	
Acetone	ug/kg	ND	20.0	09/24/20 21:41	
Benzene	ug/kg	ND	5.0	09/24/20 21:41	
Bromobenzene	ug/kg	ND	5.0	09/24/20 21:41	
Bromochloromethane	ug/kg	ND	5.0	09/24/20 21:41	
Bromodichloromethane	ug/kg	ND	5.0	09/24/20 21:41	
Bromoform	ug/kg	ND	5.0	09/24/20 21:41	
Bromomethane	ug/kg	ND	5.0	09/24/20 21:41	
Carbon disulfide	ug/kg	ND	5.0	09/24/20 21:41	
Carbon tetrachloride	ug/kg	ND	5.0	09/24/20 21:41	
Chlorobenzene	ug/kg	ND	5.0	09/24/20 21:41	
Chloroethane	ug/kg	ND	5.0	09/24/20 21:41	
Chloroform	ug/kg	ND	5.0	09/24/20 21:41	
Chloromethane	ug/kg	ND	5.0	09/24/20 21:41	

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QUALITY CONTROL DATA

Project: PINE LAWN
Pace Project No.: 60349231

METHOD BLANK: 2744715

Matrix: Solid

Associated Lab Samples: 60349231001, 60349231002, 60349231004, 60349231005, 60349231006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
cis-1,2-Dichloroethene	ug/kg	ND	5.0	09/24/20 21:41	
cis-1,3-Dichloropropene	ug/kg	ND	5.0	09/24/20 21:41	
Dibromochloromethane	ug/kg	ND	5.0	09/24/20 21:41	
Dibromomethane	ug/kg	ND	5.0	09/24/20 21:41	
Dichlorodifluoromethane	ug/kg	ND	5.0	09/24/20 21:41	
Ethylbenzene	ug/kg	ND	5.0	09/24/20 21:41	
Hexachloro-1,3-butadiene	ug/kg	ND	5.0	09/24/20 21:41	
Isopropylbenzene (Cumene)	ug/kg	ND	5.0	09/24/20 21:41	
Methyl-tert-butyl ether	ug/kg	ND	5.0	09/24/20 21:41	
Methylene Chloride	ug/kg	ND	5.0	09/24/20 21:41	
n-Butylbenzene	ug/kg	ND	5.0	09/24/20 21:41	
n-Propylbenzene	ug/kg	ND	5.0	09/24/20 21:41	
Naphthalene	ug/kg	ND	10.0	09/24/20 21:41	
p-Isopropyltoluene	ug/kg	ND	5.0	09/24/20 21:41	
sec-Butylbenzene	ug/kg	ND	5.0	09/24/20 21:41	
Styrene	ug/kg	ND	5.0	09/24/20 21:41	
tert-Butylbenzene	ug/kg	ND	25.0	09/24/20 21:41	
Tetrachloroethene	ug/kg	ND	5.0	09/24/20 21:41	
Toluene	ug/kg	ND	5.0	09/24/20 21:41	
trans-1,2-Dichloroethene	ug/kg	ND	5.0	09/24/20 21:41	
trans-1,3-Dichloropropene	ug/kg	ND	5.0	09/24/20 21:41	
Trichloroethene	ug/kg	ND	5.0	09/24/20 21:41	
Trichlorofluoromethane	ug/kg	ND	5.0	09/24/20 21:41	
Vinyl chloride	ug/kg	ND	5.0	09/24/20 21:41	
Xylene (Total)	ug/kg	ND	5.0	09/24/20 21:41	
1,2-Dichloroethane-d4 (S)	%	96	78-118	09/24/20 21:41	
4-Bromofluorobenzene (S)	%	97	85-115	09/24/20 21:41	
Toluene-d8 (S)	%	103	80-120	09/24/20 21:41	

LABORATORY CONTROL SAMPLE: 2744716

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	100	109	109	84-125	
1,1,1-Trichloroethane	ug/kg	100	99.3	99	81-121	
1,1,2,2-Tetrachloroethane	ug/kg	100	102	102	76-121	
1,1,2-Trichloroethane	ug/kg	100	108	108	83-118	
1,1-Dichloroethane	ug/kg	100	111	111	74-120	
1,1-Dichloroethene	ug/kg	100	101	101	71-124	
1,1-Dichloropropene	ug/kg	100	87.8	88	73-123	
1,2,3-Trichlorobenzene	ug/kg	100	109	109	81-123	
1,2,3-Trichloropropane	ug/kg	100	107	107	81-116	
1,2,4-Trichlorobenzene	ug/kg	100	107	107	79-126	
1,2,4-Trimethylbenzene	ug/kg	100	102	102	79-121	
1,2-Dibromo-3-chloropropane	ug/kg	100	103	103	74-125	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: PINE LAWN

Pace Project No.: 60349231

LABORATORY CONTROL SAMPLE: 2744716

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dibromoethane (EDB)	ug/kg	100	110	110	64-137	
1,2-Dichlorobenzene	ug/kg	100	106	106	83-119	
1,2-Dichloroethane	ug/kg	100	99.4	99	58-128	
1,2-Dichloroethene (Total)	ug/kg	200	207	104	82-117	
1,2-Dichloropropane	ug/kg	100	102	102	77-122	
1,3,5-Trimethylbenzene	ug/kg	100	103	103	81-122	
1,3-Dichlorobenzene	ug/kg	100	104	104	83-119	
1,3-Dichloropropane	ug/kg	100	107	107	83-118	
1,4-Dichlorobenzene	ug/kg	100	98.6	99	83-116	
2,2-Dichloropropane	ug/kg	100	96.6	97	76-124	
2-Butanone (MEK)	ug/kg	500	505	101	63-122	
2-Chlorotoluene	ug/kg	100	101	101	79-119	
2-Hexanone	ug/kg	500	522	104	68-122	
4-Chlorotoluene	ug/kg	100	102	102	84-119	
4-Methyl-2-pentanone (MIBK)	ug/kg	500	521	104	63-128	
Acetone	ug/kg	500	466	93	55-124	
Benzene	ug/kg	100	98.3	98	67-126	
Bromobenzene	ug/kg	100	106	106	85-117	
Bromochloromethane	ug/kg	100	110	110	78-122	
Bromodichloromethane	ug/kg	100	107	107	82-120	
Bromoform	ug/kg	100	119	119	77-133	
Bromomethane	ug/kg	100	76.4	76	20-168	
Carbon disulfide	ug/kg	100	113	113	60-133	
Carbon tetrachloride	ug/kg	100	106	106	79-128	
Chlorobenzene	ug/kg	100	105	105	84-118	
Chloroethane	ug/kg	100	86.9	87	53-139	
Chloroform	ug/kg	100	103	103	82-120	
Chloromethane	ug/kg	100	59.4	59	33-143	
cis-1,2-Dichloroethene	ug/kg	100	103	103	83-117	
cis-1,3-Dichloropropene	ug/kg	100	104	104	80-122	
Dibromochloromethane	ug/kg	100	118	118	82-128	
Dibromomethane	ug/kg	100	106	106	82-119	
Dichlorodifluoromethane	ug/kg	100	38.4	38	12-159	
Ethylbenzene	ug/kg	100	100	100	69-127	
Hexachloro-1,3-butadiene	ug/kg	100	105	105	77-133	
Isopropylbenzene (Cumene)	ug/kg	100	100	100	83-122	
Methyl-tert-butyl ether	ug/kg	100	105	105	58-137	
Methylene Chloride	ug/kg	100	97.3	97	68-125	
n-Butylbenzene	ug/kg	100	105	105	73-131	
n-Propylbenzene	ug/kg	100	101	101	82-122	
Naphthalene	ug/kg	100	115	115	60-136	
p-Isopropyltoluene	ug/kg	100	93.5	93	74-129	
sec-Butylbenzene	ug/kg	100	110	110	71-133	
Styrene	ug/kg	100	109	109	84-121	
tert-Butylbenzene	ug/kg	100	101	101	81-122	
Tetrachloroethene	ug/kg	100	107	107	78-130	
Toluene	ug/kg	100	100	100	80-118	

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QUALITY CONTROL DATA

Project: PINE LAWN

Pace Project No.: 60349231

LABORATORY CONTROL SAMPLE: 2744716

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
trans-1,2-Dichloroethene	ug/kg	100	104	104	78-118	
trans-1,3-Dichloropropene	ug/kg	100	111	111	81-123	
Trichloroethene	ug/kg	100	105	105	78-127	
Trichlorofluoromethane	ug/kg	100	100	100	64-133	
Vinyl chloride	ug/kg	100	71.6	72	45-139	
Xylene (Total)	ug/kg	300	305	102	69-130	
1,2-Dichloroethane-d4 (S)	%			96	78-118	
4-Bromofluorobenzene (S)	%			95	85-115	
Toluene-d8 (S)	%			101	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2744717 2744718

Parameter	Units	60348965007		MS		MSD		MS		MSD		MS		MSD		% Rec		Max		Qual
		Result	Conc.	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	RPD	RPD	RPD	RPD	RPD	RPD	RPD	RPD	RPD	
1,1,1,2-Tetrachloroethane	ug/kg	ND	123	123	102	103	83	84	13-133	1	39									
1,1,1-Trichloroethane	ug/kg	ND	123	123	90.7	93.4	74	76	30-131	3	28									
1,1,2,2-Tetrachloroethane	ug/kg	ND	123	123	96.4	94.6	78	77	10-139	2	49									
1,1,2-Trichloroethane	ug/kg	ND	123	123	102	100	83	82	10-145	2	41									
1,1-Dichloroethane	ug/kg	ND	123	123	92.0	94.9	75	77	24-125	3	31									
1,1-Dichloroethene	ug/kg	ND	123	123	71.5	75.7	58	62	34-118	6	30									
1,1-Dichloropropene	ug/kg	ND	123	123	88.3	89.9	72	73	29-116	2	30									
1,2,3-Trichlorobenzene	ug/kg	ND	123	123	88.7	90.7	72	74	10-115	2	40									
1,2,3-Trichloropropane	ug/kg	ND	123	123	99.2	95.3	81	78	10-150	4	46									
1,2,4-Trichlorobenzene	ug/kg	ND	123	123	84.9	88.1	69	72	10-115	4	44									
1,2,4-Trimethylbenzene	ug/kg	ND	123	123	91.2	91.9	74	75	10-123	1	37									
1,2-Dibromo-3-chloropropane	ug/kg	ND	123	123	91.4	91.4	74	74	10-136	0	42									
1,2-Dibromoethane (EDB)	ug/kg	ND	123	123	104	104	85	84	24-149	1	29									
1,2-Dichlorobenzene	ug/kg	ND	123	123	94.0	94.6	76	77	10-123	1	41									
1,2-Dichloroethane	ug/kg	ND	123	123	89.1	89.3	72	73	23-140	0	29									
1,2-Dichloroethene (Total)	ug/kg	ND	246	246	174	180	71	73	30-119	3	32									
1,2-Dichloropropane	ug/kg	ND	123	123	92.0	93.8	75	76	13-132	2	33									
1,3,5-Trimethylbenzene	ug/kg	ND	123	123	92.4	93.3	75	76	10-124	1	40									
1,3-Dichlorobenzene	ug/kg	ND	123	123	92.0	92.6	75	75	10-122	1	42									
1,3-Dichloropropane	ug/kg	ND	123	123	100	98.7	81	80	10-135	2	36									
1,4-Dichlorobenzene	ug/kg	ND	123	123	89.7	90.7	73	74	10-120	1	38									
2,2-Dichloropropane	ug/kg	ND	123	123	76.3	79.1	62	64	22-135	4	31									
2-Butanone (MEK)	ug/kg	7.1J	615	614	439	436	70	70	12-127	1	37									
2-Chlorotoluene	ug/kg	ND	123	123	91.3	91.1	74	74	10-126	0	38									
2-Hexanone	ug/kg	ND	615	614	458	451	74	73	10-135	2	37									
4-Chlorotoluene	ug/kg	ND	123	123	90.6	91.1	74	74	10-129	1	40									
4-Methyl-2-pentanone (MIBK)	ug/kg	ND	615	614	454	451	74	74	10-129	1	36									
Acetone	ug/kg	92.5	615	614	448	448	58	58	10-143	0	34									
Benzene	ug/kg	ND	123	123	86.6	88.5	70	72	37-135	2	24									
Bromobenzene	ug/kg	ND	123	123	97.3	97.1	79	79	10-134	0	45									

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QUALITY CONTROL DATA

Project: PINE LAWN

Pace Project No.: 60349231

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2744717 2744718											
Parameter	Units	60348965007 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	Max RPD	Qual
Bromochloromethane	ug/kg	ND	123	123	98.3	98.7	80	80	17-129	0	34
Bromodichloromethane	ug/kg	ND	123	123	98.8	99.5	80	81	12-130	1	33
Bromoform	ug/kg	ND	123	123	109	110	89	90	10-135	1	39
Bromomethane	ug/kg	ND	123	123	45.0	51.4	37	42	10-124	13	41
Carbon disulfide	ug/kg	ND	123	123	60.0	65.6	49	53	17-116	9	28
Carbon tetrachloride	ug/kg	ND	123	123	91.7	96.6	75	79	29-127	5	35
Chlorobenzene	ug/kg	ND	123	123	98.6	99.4	80	81	10-133	1	33
Chloroethane	ug/kg	ND	123	123	52.5	57.4	43	47	25-116	9	33
Chloroform	ug/kg	ND	123	123	95.0	96.0	77	78	20-130	1	30
Chloromethane	ug/kg	ND	123	123	30.0	33.3	24	27	10-113	10	31
cis-1,2-Dichloroethene	ug/kg	ND	123	123	90.6	92.9	74	76	22-126	3	31
cis-1,3-Dichloropropene	ug/kg	ND	123	123	93.1	94.1	76	77	10-125	1	34
Dibromochloromethane	ug/kg	ND	123	123	107	108	87	88	10-138	0	38
Dibromomethane	ug/kg	ND	123	123	102	100	83	82	13-129	1	38
Dichlorodifluoromethane	ug/kg	ND	123	123	17.7	21.3	14	17	10-114	19	33
Ethylbenzene	ug/kg	ND	123	123	97.5	97.7	79	80	31-142	0	25
Hexachloro-1,3-butadiene	ug/kg	ND	123	123	85.9	86.8	70	71	10-124	1	41
Isopropylbenzene (Cumene)	ug/kg	ND	123	123	97.6	98.2	79	80	17-120	1	34
Methyl-tert-butyl ether	ug/kg	ND	123	123	86.9	88.0	71	72	30-143	1	28
Methylene Chloride	ug/kg	ND	123	123	79.5	81.8	65	67	24-121	3	33
n-Butylbenzene	ug/kg	ND	123	123	86.2	88.2	70	72	10-121	2	36
n-Propylbenzene	ug/kg	ND	123	123	91.8	92.5	75	75	12-125	1	37
Naphthalene	ug/kg	ND	123	123	98.8	98.4	80	80	10-156	0	34
p-Isopropyltoluene	ug/kg	ND	123	123	91.8	92.0	75	75	10-119	0	37
sec-Butylbenzene	ug/kg	ND	123	123	92.8	93.7	75	76	10-127	1	40
Styrene	ug/kg	ND	123	123	96.4	97.9	78	80	10-124	2	37
tert-Butylbenzene	ug/kg	ND	123	123	95.1	94.3	77	77	10-126	1	37
Tetrachloroethene	ug/kg	ND	123	123	100	101	81	82	15-133	1	36
Toluene	ug/kg	ND	123	123	94.8	95.0	77	77	40-137	0	25
trans-1,2-Dichloroethene	ug/kg	ND	123	123	83.6	86.7	68	71	22-129	4	34
trans-1,3-Dichloropropene	ug/kg	ND	123	123	94.6	96.5	77	79	10-130	2	35
Trichloroethene	ug/kg	ND	123	123	94.7	96.8	77	79	19-135	2	34
Trichlorofluoromethane	ug/kg	ND	123	123	64.1	70.4	52	57	16-132	9	28
Vinyl chloride	ug/kg	ND	123	123	38.2	41.9	31	34	14-116	9	28
Xylene (Total)	ug/kg	ND	370	368	287	290	78	79	19-153	1	27
1,2-Dichloroethane-d4 (S)	%						97	98	78-118		
4-Bromofluorobenzene (S)	%						95	94	85-115		
Toluene-d8 (S)	%						103	102	80-120		

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: PINE LAWN

Pace Project No.: 60349231

QC Batch: 678965

Analysis Method: EPA 5030B/8260

QC Batch Method: EPA 5030B/8260

Analysis Description: 8260 MSV Water 10 mL Purge

Laboratory: Pace Analytical Services - Kansas City

Associated Lab Samples: 60349231003

METHOD BLANK: 2745239

Matrix: Water

Associated Lab Samples: 60349231003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	1.0	09/25/20 11:51	
1,1,1-Trichloroethane	ug/L	ND	1.0	09/25/20 11:51	
1,1,2,2-Tetrachloroethane	ug/L	ND	1.0	09/25/20 11:51	
1,1,2-Trichloroethane	ug/L	ND	1.0	09/25/20 11:51	
1,1-Dichloroethane	ug/L	ND	1.0	09/25/20 11:51	
1,1-Dichloroethene	ug/L	ND	1.0	09/25/20 11:51	
1,1-Dichloropropene	ug/L	ND	1.0	09/25/20 11:51	
1,2,3-Trichlorobenzene	ug/L	ND	1.0	09/25/20 11:51	
1,2,3-Trichloropropane	ug/L	ND	2.5	09/25/20 11:51	
1,2,4-Trichlorobenzene	ug/L	ND	1.0	09/25/20 11:51	
1,2,4-Trimethylbenzene	ug/L	ND	1.0	09/25/20 11:51	
1,2-Dibromo-3-chloropropane	ug/L	ND	2.5	09/25/20 11:51	
1,2-Dibromoethane (EDB)	ug/L	ND	1.0	09/25/20 11:51	
1,2-Dichlorobenzene	ug/L	ND	1.0	09/25/20 11:51	
1,2-Dichloroethane	ug/L	ND	1.0	09/25/20 11:51	
1,2-Dichloroethene (Total)	ug/L	ND	1.0	09/25/20 11:51	
1,2-Dichloropropane	ug/L	ND	1.0	09/25/20 11:51	
1,3,5-Trimethylbenzene	ug/L	ND	1.0	09/25/20 11:51	
1,3-Dichlorobenzene	ug/L	ND	1.0	09/25/20 11:51	
1,3-Dichloropropane	ug/L	ND	1.0	09/25/20 11:51	
1,4-Dichlorobenzene	ug/L	ND	1.0	09/25/20 11:51	
2,2-Dichloropropane	ug/L	ND	1.0	09/25/20 11:51	
2-Butanone (MEK)	ug/L	ND	10.0	09/25/20 11:51	
2-Chlorotoluene	ug/L	ND	1.0	09/25/20 11:51	
2-Hexanone	ug/L	ND	10.0	09/25/20 11:51	
4-Chlorotoluene	ug/L	ND	1.0	09/25/20 11:51	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	10.0	09/25/20 11:51	
Acetone	ug/L	ND	10.0	09/25/20 11:51	
Benzene	ug/L	ND	1.0	09/25/20 11:51	
Bromobenzene	ug/L	ND	1.0	09/25/20 11:51	
Bromochloromethane	ug/L	ND	1.0	09/25/20 11:51	
Bromodichloromethane	ug/L	ND	1.0	09/25/20 11:51	
Bromoform	ug/L	ND	1.0	09/25/20 11:51	
Bromomethane	ug/L	ND	5.0	09/25/20 11:51	
Carbon disulfide	ug/L	ND	5.0	09/25/20 11:51	
Carbon tetrachloride	ug/L	ND	1.0	09/25/20 11:51	
Chlorobenzene	ug/L	ND	1.0	09/25/20 11:51	
Chloroethane	ug/L	ND	1.0	09/25/20 11:51	
Chloroform	ug/L	ND	1.0	09/25/20 11:51	
Chloromethane	ug/L	ND	1.0	09/25/20 11:51	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: PINE LAWN

Pace Project No.: 60349231

METHOD BLANK: 2745239

Matrix: Water

Associated Lab Samples: 60349231003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
cis-1,2-Dichloroethene	ug/L	ND	1.0	09/25/20 11:51	
cis-1,3-Dichloropropene	ug/L	ND	1.0	09/25/20 11:51	
Dibromochloromethane	ug/L	ND	1.0	09/25/20 11:51	
Dibromomethane	ug/L	ND	1.0	09/25/20 11:51	
Dichlorodifluoromethane	ug/L	ND	1.0	09/25/20 11:51	
Ethylbenzene	ug/L	ND	1.0	09/25/20 11:51	
Hexachloro-1,3-butadiene	ug/L	ND	1.0	09/25/20 11:51	
Isopropylbenzene (Cumene)	ug/L	ND	1.0	09/25/20 11:51	
Methyl-tert-butyl ether	ug/L	ND	1.0	09/25/20 11:51	
Methylene Chloride	ug/L	ND	1.0	09/25/20 11:51	
n-Butylbenzene	ug/L	ND	1.0	09/25/20 11:51	
n-Propylbenzene	ug/L	ND	1.0	09/25/20 11:51	
Naphthalene	ug/L	ND	10.0	09/25/20 11:51	
p-Isopropyltoluene	ug/L	ND	1.0	09/25/20 11:51	
sec-Butylbenzene	ug/L	ND	1.0	09/25/20 11:51	
Styrene	ug/L	ND	1.0	09/25/20 11:51	
tert-Butylbenzene	ug/L	ND	1.0	09/25/20 11:51	
Tetrachloroethene	ug/L	ND	1.0	09/25/20 11:51	
Toluene	ug/L	ND	1.0	09/25/20 11:51	
trans-1,2-Dichloroethene	ug/L	ND	1.0	09/25/20 11:51	
trans-1,3-Dichloropropene	ug/L	ND	1.0	09/25/20 11:51	
Trichloroethene	ug/L	ND	1.0	09/25/20 11:51	
Trichlorofluoromethane	ug/L	ND	1.0	09/25/20 11:51	
Vinyl chloride	ug/L	ND	1.0	09/25/20 11:51	
Xylene (Total)	ug/L	ND	3.0	09/25/20 11:51	
1,2-Dichloroethane-d4 (S)	%	101	86-117	09/25/20 11:51	
4-Bromofluorobenzene (S)	%	100	80-120	09/25/20 11:51	
Toluene-d8 (S)	%	99	80-120	09/25/20 11:51	

LABORATORY CONTROL SAMPLE: 2745240

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	20	23.2	116	85-118	
1,1,1-Trichloroethane	ug/L	20	19.2	96	85-118	
1,1,2,2-Tetrachloroethane	ug/L	20	21.6	108	78-118	
1,1,2-Trichloroethane	ug/L	20	22.9	114	82-117	
1,1-Dichloroethane	ug/L	20	20.2	101	85-120	
1,1-Dichloroethene	ug/L	20	19.6	98	81-124	
1,1-Dichloropropene	ug/L	20	17.8	89	71-119	
1,2,3-Trichlorobenzene	ug/L	20	19.8	99	76-120	
1,2,3-Trichloropropane	ug/L	20	21.6	108	78-123	
1,2,4-Trichlorobenzene	ug/L	20	20.6	103	77-117	
1,2,4-Trimethylbenzene	ug/L	20	21.7	109	85-120	
1,2-Dibromo-3-chloropropane	ug/L	20	20.1	100	68-125	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: PINE LAWN

Pace Project No.: 60349231

LABORATORY CONTROL SAMPLE: 2745240

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dibromoethane (EDB)	ug/L	20	22.3	111	83-120	
1,2-Dichlorobenzene	ug/L	20	21.3	106	80-120	
1,2-Dichloroethane	ug/L	20	19.2	96	79-118	
1,2-Dichloroethene (Total)	ug/L	40	41.1	103	84-118	
1,2-Dichloropropane	ug/L	20	20.6	103	85-117	
1,3,5-Trimethylbenzene	ug/L	20	21.3	107	80-118	
1,3-Dichlorobenzene	ug/L	20	21.5	107	80-120	
1,3-Dichloropropane	ug/L	20	22.1	111	85-120	
1,4-Dichlorobenzene	ug/L	20	20.1	101	84-115	
2,2-Dichloropropane	ug/L	20	22.4	112	60-129	
2-Butanone (MEK)	ug/L	100	116	116	70-125	
2-Chlorotoluene	ug/L	20	20.7	103	84-115	
2-Hexanone	ug/L	100	114	114	76-126	
4-Chlorotoluene	ug/L	20	21.2	106	83-116	
4-Methyl-2-pentanone (MIBK)	ug/L	100	117	117	73-131	
Acetone	ug/L	100	114	114	59-135	
Benzene	ug/L	20	20.1	100	82-115	
Bromobenzene	ug/L	20	20.6	103	84-115	
Bromochloromethane	ug/L	20	20.5	103	85-125	
Bromodichloromethane	ug/L	20	21.9	109	82-123	
Bromoform	ug/L	20	23.2	116	66-133	
Bromomethane	ug/L	20	18.0	90	27-179	
Carbon disulfide	ug/L	20	22.9	115	72-134	
Carbon tetrachloride	ug/L	20	20.7	103	80-121	
Chlorobenzene	ug/L	20	21.3	107	80-120	
Chloroethane	ug/L	20	18.2	91	78-145	
Chloroform	ug/L	20	19.8	99	84-116	
Chloromethane	ug/L	20	12.7	64	48-160	
cis-1,2-Dichloroethene	ug/L	20	20.5	103	85-115	
cis-1,3-Dichloropropene	ug/L	20	22.8	114	85-117	
Dibromochloromethane	ug/L	20	22.7	113	82-122	
Dibromomethane	ug/L	20	20.8	104	81-122	
Dichlorodifluoromethane	ug/L	20	9.4	47	50-173	L2,SS
Ethylbenzene	ug/L	20	19.4	97	79-115	
Hexachloro-1,3-butadiene	ug/L	20	22.6	113	75-120	
Isopropylbenzene (Cumene)	ug/L	20	20.7	103	84-117	
Methyl-tert-butyl ether	ug/L	20	22.1	111	77-126	
Methylene Chloride	ug/L	20	20.2	101	80-126	
n-Butylbenzene	ug/L	20	23.7	118	81-120	
n-Propylbenzene	ug/L	20	20.7	104	80-116	
Naphthalene	ug/L	20	20.1	100	73-126	
p-Isopropyltoluene	ug/L	20	20.1	100	74-121	
sec-Butylbenzene	ug/L	20	23.5	117	75-130	
Styrene	ug/L	20	22.6	113	80-117	
tert-Butylbenzene	ug/L	20	21.1	106	84-116	
Tetrachloroethene	ug/L	20	20.2	101	83-119	
Toluene	ug/L	20	20.6	103	83-115	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: PINE LAWN

Pace Project No.: 60349231

LABORATORY CONTROL SAMPLE: 2745240

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
trans-1,2-Dichloroethene	ug/L	20	20.5	103	80-124	
trans-1,3-Dichloropropene	ug/L	20	22.7	113	83-117	
Trichloroethene	ug/L	20	19.5	97	80-118	
Trichlorofluoromethane	ug/L	20	22.1	110	83-133	
Vinyl chloride	ug/L	20	15.6	78	76-144	
Xylene (Total)	ug/L	60	63.1	105	82-120	
1,2-Dichloroethane-d4 (S)	%			99	86-117	
4-Bromofluorobenzene (S)	%			99	80-120	
Toluene-d8 (S)	%			99	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2745241 2745242

Parameter	Units	60348619014 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,1,1,2-Tetrachloroethane	ug/L	<5.2	20	20	21.3	21.4	106	107	68-125	1	15	
1,1,1-Trichloroethane	ug/L	<3.2	20	20	19.8	19.3	99	97	74-130	3	20	
1,1,2,2-Tetrachloroethane	ug/L	<7.0	20	20	19.1	19.6	96	98	60-128	3	19	
1,1,2-Trichloroethane	ug/L	<7.0	20	20	21.7	21.8	108	109	66-125	1	28	
1,1-Dichloroethane	ug/L	<2.4	20	20	18.8	19.9	94	99	81-124	6	23	
1,1-Dichloroethene	ug/L	<5.2	20	20	20.3	21.0	101	105	64-141	3	21	
1,1-Dichloropropene	ug/L	<4.5	20	20	18.5	18.7	92	94	43-144	1	21	
1,2,3-Trichlorobenzene	ug/L	<15.5	20	20	17.9	18.4	89	92	56-116	3	31	
1,2,3-Trichloropropane	ug/L	<9.0	20	20	18.8	19.7	94	98	64-124	4	23	
1,2,4-Trichlorobenzene	ug/L	<9.2	20	20	19.6	19.5	98	98	54-118	0	28	
1,2,4-Trimethylbenzene	ug/L	<6.5	20	20	20.6	20.5	103	102	61-133	1	22	
1,2-Dibromo-3-chloropropane	ug/L	<23.8	20	20	18.1	18.8	90	94	56-128	4	33	
1,2-Dibromoethane (EDB)	ug/L	<4.8	20	20	20.1	20.3	100	101	70-122	1	18	
1,2-Dichlorobenzene	ug/L	<6.0	20	20	20.4	20.6	102	103	76-117	1	17	
1,2-Dichloroethane	ug/L	<5.8	20	20	18.8	18.4	94	92	64-135	2	22	
1,2-Dichloroethene (Total)	ug/L	<6.5	40	40	38.2	40.1	96	100	77-122	5	17	
1,2-Dichloropropane	ug/L	<4.0	20	20	20.7	20.7	103	104	73-125	0	19	
1,3,5-Trimethylbenzene	ug/L	<5.2	20	20	21.1	21.4	105	107	60-136	1	21	
1,3-Dichlorobenzene	ug/L	<6.0	20	20	20.6	20.6	103	103	71-121	0	20	
1,3-Dichloropropane	ug/L	<5.5	20	20	20.8	20.6	104	103	73-120	1	16	
1,4-Dichlorobenzene	ug/L	<6.5	20	20	18.4	19.0	74	77	57-125	4	19	
2,2-Dichloropropane	ug/L	<2.8	20	20	19.5	19.2	97	96	32-135	1	19	
2-Butanone (MEK)	ug/L	<60.0	100	100	98.5	99.2	99	99	58-121	1	22	
2-Chlorotoluene	ug/L	<6.0	20	20	19.9	20.3	99	102	66-129	2	19	
2-Hexanone	ug/L	<37.5	100	100	97.1	100	97	100	61-125	3	20	
4-Chlorotoluene	ug/L	<6.2	20	20	20.1	20.6	100	103	65-127	3	20	
4-Methyl-2-pentanone (MIBK)	ug/L	<35.0	100	100	105	108	105	108	67-125	3	20	
Acetone	ug/L	<118	100	100	101	103	-11	-9	49-113	1	32 M1	
Benzene	ug/L	331	20	20	33.0	32.6	-1490	-1490	49-140	1	25 M1	
Bromobenzene	ug/L	<5.8	20	20	19.1	19.9	95	99	69-120	4	16	

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QUALITY CONTROL DATA

Project: PINE LAWN

Pace Project No.: 60349231

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2745241 2745242											
Parameter	Units	60348619014 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	Max RPD	Qual
Bromochloromethane	ug/L	<4.8	20	20	19.7	19.1	99	95	74-123	3	18
Bromodichloromethane	ug/L	<3.0	20	20	21.2	21.4	106	107	71-124	1	19
Bromoform	ug/L	<9.5	20	20	20.7	20.4	103	102	56-113	1	18
Bromomethane	ug/L	<24.8	20	20	13.5	14.5	68	72	12-165	7	43
Carbon disulfide	ug/L	<6.0	20	20	23.9	24.1	119	120	66-145	1	18
Carbon tetrachloride	ug/L	<4.8	20	20	21.6	22.5	108	113	84-130	4	21
Chlorobenzene	ug/L	1230	20	20	70.5	71.0	-5810	-5800	68-126	1	14 M1
Chloroethane	ug/L	<9.5	20	20	18.5	18.8	92	94	67-145	2	28
Chloroform	ug/L	<4.2	20	20	19.6	19.5	98	98	72-123	1	17
Chloromethane	ug/L	<11.0	20	20	12.4	12.3	43	42	31-175	1	34
cis-1,2-Dichloroethene	ug/L	<3.8	20	20	18.6	20.0	93	100	69-127	7	18
cis-1,3-Dichloropropene	ug/L	<3.2	20	20	21.3	20.7	106	104	60-124	3	20
Dibromochloromethane	ug/L	<4.2	20	20	21.6	21.6	108	108	68-123	0	24
Dibromomethane	ug/L	<4.8	20	20	19.3	19.9	97	100	76-115	3	18
Dichlorodifluoromethane	ug/L	<12.2	20	20	9.8	9.9	49	49	31-162	1	24
Ethylbenzene	ug/L	<4.5	20	20	19.1	19.4	95	97	52-140	2	28
Hexachloro-1,3-butadiene	ug/L	<12.8	20	20	21.6	21.7	108	109	41-132	1	27
Isopropylbenzene (Cumene)	ug/L	<4.8	20	20	20.5	20.9	102	104	57-138	2	19
Methyl-tert-butyl ether	ug/L	<2.3	20	20	20.3	20.3	102	102	62-127	0	21
Methylene Chloride	ug/L	<20.2	20	20	19.2	19.1	96	96	68-125	0	24
n-Butylbenzene	ug/L	<6.5	20	20	22.6	22.8	113	114	53-141	1	24
n-Propylbenzene	ug/L	<4.0	20	20	20.5	21.0	102	105	49-149	2	20
Naphthalene	ug/L	<14.0	20	20	18.9	18.2	95	91	45-141	4	28
p-Isopropyltoluene	ug/L	<5.8	20	20	19.8	19.4	99	97	45-137	2	22
sec-Butylbenzene	ug/L	<5.5	20	20	23.4	23.8	117	119	82-136	1	27
Styrene	ug/L	<4.2	20	20	21.5	21.6	108	108	56-136	0	20
tert-Butylbenzene	ug/L	<4.5	20	20	21.3	21.7	107	108	64-133	2	20
Tetrachloroethene	ug/L	<3.8	20	20	20.3	21.0	102	105	59-133	3	28
Toluene	ug/L	<4.5	20	20	20.0	19.7	83	82	56-137	2	21
trans-1,2-Dichloroethene	ug/L	<3.8	20	20	19.6	20.0	98	100	70-130	2	24
trans-1,3-Dichloropropene	ug/L	<4.2	20	20	20.6	21.4	103	107	69-121	4	24
Trichloroethene	ug/L	<6.2	20	20	19.9	20.3	100	102	68-128	2	23
Trichlorofluoromethane	ug/L	<6.0	20	20	23.9	23.9	120	119	65-149	0	25
Vinyl chloride	ug/L	<6.2	20	20	16.3	16.7	63	66	51-148	3	23
Xylene (Total)	ug/L	<13.5	60	60	62.3	61.3	104	102	59-139	1	22
1,2-Dichloroethane-d4 (S)	%						98	101	86-117		
4-Bromofluorobenzene (S)	%						97	98	80-120		
Toluene-d8 (S)	%						102	98	80-120		
Preservation pH		1.0			1.0	1.0				0	

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QUALITY CONTROL DATA

Project: PINE LAWN

Pace Project No.: 60349231

QC Batch: 678959

Analysis Method: EPA 8260

QC Batch Method: EPA 8260

Analysis Description: 8260 MSV MO GRO Oxygenates

Laboratory: Pace Analytical Services - Kansas City

Associated Lab Samples: 60349231003

METHOD BLANK: 2745226

Matrix: Water

Associated Lab Samples: 60349231003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
TPH-GRO	ug/L	ND	500	09/25/20 11:51	
1,2-Dichloroethane-d4 (S)	%	101	86-117	09/25/20 11:51	
4-Bromofluorobenzene (S)	%	100	80-120	09/25/20 11:51	
Toluene-d8 (S)	%	99	80-120	09/25/20 11:51	

LABORATORY CONTROL SAMPLE: 2745227

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
TPH-GRO	ug/L	4000	4140	103	55-125	
1,2-Dichloroethane-d4 (S)	%			99	86-117	
4-Bromofluorobenzene (S)	%			99	80-120	
Toluene-d8 (S)	%			99	80-120	

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QUALITY CONTROL DATA

Project: PINE LAWN

Pace Project No.: 60349231

QC Batch: 678887

Analysis Method: EPA 8260

QC Batch Method: EPA 5035

Analysis Description: 8260 MSV GRO and Oxygenates

Laboratory: Pace Analytical Services - Kansas City

Associated Lab Samples: 60349231001, 60349231002, 60349231005, 60349231006

METHOD BLANK: 2744774

Matrix: Solid

Associated Lab Samples: 60349231001, 60349231002, 60349231005, 60349231006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
TPH-GRO	mg/kg	ND	0.50	09/24/20 21:41	
1,2-Dichloroethane-d4 (S)	%	96	80-123	09/24/20 21:41	
4-Bromofluorobenzene (S)	%	97	69-133	09/24/20 21:41	
Toluene-d8 (S)	%	103	78-122	09/24/20 21:41	

LABORATORY CONTROL SAMPLE: 2744775

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
TPH-GRO	mg/kg	4	3.2	79	61-140	
1,2-Dichloroethane-d4 (S)	%			97	80-123	
4-Bromofluorobenzene (S)	%			98	69-133	
Toluene-d8 (S)	%			103	78-122	

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QUALITY CONTROL DATA

Project: PINE LAWN
Pace Project No.: 60349231

QC Batch: 679537 Analysis Method: EPA 8082
QC Batch Method: EPA 3546 Analysis Description: 8082 GCS PCB
Laboratory: Pace Analytical Services - Kansas City
Associated Lab Samples: 60349231001, 60349231002, 60349231005, 60349231006

METHOD BLANK: 2747540 Matrix: Solid
Associated Lab Samples: 60349231001, 60349231002, 60349231005, 60349231006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
PCB-1016 (Aroclor 1016)	ug/kg	ND	32.6	10/01/20 15:18	
PCB-1221 (Aroclor 1221)	ug/kg	ND	32.6	10/01/20 15:18	
PCB-1232 (Aroclor 1232)	ug/kg	ND	32.6	10/01/20 15:18	
PCB-1242 (Aroclor 1242)	ug/kg	ND	32.6	10/01/20 15:18	
PCB-1248 (Aroclor 1248)	ug/kg	ND	32.6	10/01/20 15:18	
PCB-1254 (Aroclor 1254)	ug/kg	ND	32.6	10/01/20 15:18	
PCB-1260 (Aroclor 1260)	ug/kg	ND	32.6	10/01/20 15:18	
Decachlorobiphenyl (S)	%	89	28-143	10/01/20 15:18	

LABORATORY CONTROL SAMPLE: 2747541

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
PCB-1016 (Aroclor 1016)	ug/kg	164	148	91	61-130	
PCB-1260 (Aroclor 1260)	ug/kg	164	152	93	56-128	
Decachlorobiphenyl (S)	%			87	28-143	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2747542 2747543

Parameter	Units	60348944003 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	ND	177	185	144	156	82	84	38-131	8	38	
PCB-1260 (Aroclor 1260)	ug/kg	ND	177	185	177	184	100	99	30-141	4	40	
Decachlorobiphenyl (S)	%						87	86	28-143			

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QUALITY CONTROL DATA

Project: PINE LAWN

Pace Project No.: 60349231

QC Batch: 680394

Analysis Method: EPA 8082

QC Batch Method: EPA 3510

Analysis Description: 8082 GCS PCB, LV

Laboratory: Pace Analytical Services - Kansas City

Associated Lab Samples: 60349231003

METHOD BLANK: 2750572

Matrix: Water

Associated Lab Samples: 60349231003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
PCB-1016 (Aroclor 1016)	ug/L	ND	1.0	10/02/20 14:24	
PCB-1221 (Aroclor 1221)	ug/L	ND	1.0	10/02/20 14:24	
PCB-1232 (Aroclor 1232)	ug/L	ND	1.0	10/02/20 14:24	
PCB-1242 (Aroclor 1242)	ug/L	ND	1.0	10/02/20 14:24	
PCB-1248 (Aroclor 1248)	ug/L	ND	1.0	10/02/20 14:24	
PCB-1254 (Aroclor 1254)	ug/L	ND	1.0	10/02/20 14:24	
PCB-1260 (Aroclor 1260)	ug/L	ND	1.0	10/02/20 14:24	
Decachlorobiphenyl (S)	%	72	30-136	10/02/20 14:24	

LABORATORY CONTROL SAMPLE: 2750573

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
PCB-1016 (Aroclor 1016)	ug/L	5	4.6	92	66-125	
PCB-1260 (Aroclor 1260)	ug/L	5	4.7	94	64-123	
Decachlorobiphenyl (S)	%			73	30-136	

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QUALITY CONTROL DATA

Project: PINE LAWN

Pace Project No.: 60349231

QC Batch: 679538

Analysis Method: EPA 8270

QC Batch Method: EPA 3546

Analysis Description: 8270 Solid MSSV Microwave

Laboratory: Pace Analytical Services - Kansas City

Associated Lab Samples: 60349231001, 60349231002, 60349231005, 60349231006

METHOD BLANK: 2747544

Matrix: Solid

Associated Lab Samples: 60349231001, 60349231002, 60349231005, 60349231006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,2,4-Trichlorobenzene	ug/kg	ND	323	09/30/20 11:04	
1,2-Dichlorobenzene	ug/kg	ND	323	09/30/20 11:04	
1,3-Dichlorobenzene	ug/kg	ND	323	09/30/20 11:04	
1,4-Dichlorobenzene	ug/kg	ND	323	09/30/20 11:04	
2,4,5-Trichlorophenol	ug/kg	ND	323	09/30/20 11:04	
2,4,6-Trichlorophenol	ug/kg	ND	323	09/30/20 11:04	
2,4-Dichlorophenol	ug/kg	ND	323	09/30/20 11:04	
2,4-Dimethylphenol	ug/kg	ND	323	09/30/20 11:04	
2,4-Dinitrophenol	ug/kg	ND	1630	09/30/20 11:04	
2,4-Dinitrotoluene	ug/kg	ND	323	09/30/20 11:04	
2,6-Dinitrotoluene	ug/kg	ND	323	09/30/20 11:04	
2-Chloronaphthalene	ug/kg	ND	323	09/30/20 11:04	
2-Chlorophenol	ug/kg	ND	323	09/30/20 11:04	
2-Methylnaphthalene	ug/kg	ND	323	09/30/20 11:04	
2-Methylphenol(o-Cresol)	ug/kg	ND	323	09/30/20 11:04	
2-Nitroaniline	ug/kg	ND	646	09/30/20 11:04	
2-Nitrophenol	ug/kg	ND	323	09/30/20 11:04	
3&4-Methylphenol(m&p Cresol)	ug/kg	ND	323	09/30/20 11:04	
3,3'-Dichlorobenzidine	ug/kg	ND	646	09/30/20 11:04	
3-Nitroaniline	ug/kg	ND	646	09/30/20 11:04	
4,6-Dinitro-2-methylphenol	ug/kg	ND	1630	09/30/20 11:04	
4-Bromophenylphenyl ether	ug/kg	ND	323	09/30/20 11:04	
4-Chloro-3-methylphenol	ug/kg	ND	646	09/30/20 11:04	
4-Chloroaniline	ug/kg	ND	646	09/30/20 11:04	
4-Chlorophenylphenyl ether	ug/kg	ND	323	09/30/20 11:04	
4-Nitroaniline	ug/kg	ND	646	09/30/20 11:04	
4-Nitrophenol	ug/kg	ND	1630	09/30/20 11:04	
Acenaphthene	ug/kg	ND	323	09/30/20 11:04	
Acenaphthylene	ug/kg	ND	323	09/30/20 11:04	
Anthracene	ug/kg	ND	323	09/30/20 11:04	
Benzo(a)anthracene	ug/kg	ND	323	09/30/20 11:04	
Benzo(a)pyrene	ug/kg	ND	323	09/30/20 11:04	
Benzo(b)fluoranthene	ug/kg	ND	323	09/30/20 11:04	
Benzo(g,h,i)perylene	ug/kg	ND	323	09/30/20 11:04	
Benzo(k)fluoranthene	ug/kg	ND	323	09/30/20 11:04	
Benzoic Acid	ug/kg	ND	1630	09/30/20 11:04	
Benzyl alcohol	ug/kg	ND	646	09/30/20 11:04	
bis(2-Chloroethoxy)methane	ug/kg	ND	323	09/30/20 11:04	
bis(2-Chloroethyl) ether	ug/kg	ND	323	09/30/20 11:04	
bis(2-Chloroisopropyl) ether	ug/kg	ND	323	09/30/20 11:04	

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QUALITY CONTROL DATA

Project: PINE LAWN

Pace Project No.: 60349231

METHOD BLANK: 2747544

Matrix: Solid

Associated Lab Samples: 60349231001, 60349231002, 60349231005, 60349231006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
bis(2-Ethylhexyl)phthalate	ug/kg	ND	323	09/30/20 11:04	
Butylbenzylphthalate	ug/kg	ND	323	09/30/20 11:04	
Carbazole	ug/kg	ND	323	09/30/20 11:04	
Chrysene	ug/kg	ND	323	09/30/20 11:04	
Di-n-butylphthalate	ug/kg	ND	323	09/30/20 11:04	
Di-n-octylphthalate	ug/kg	ND	323	09/30/20 11:04	
Dibenz(a,h)anthracene	ug/kg	ND	323	09/30/20 11:04	
Dibenzofuran	ug/kg	ND	323	09/30/20 11:04	
Diethylphthalate	ug/kg	ND	323	09/30/20 11:04	
Dimethylphthalate	ug/kg	ND	323	09/30/20 11:04	
Fluoranthene	ug/kg	ND	323	09/30/20 11:04	
Fluorene	ug/kg	ND	323	09/30/20 11:04	
Hexachloro-1,3-butadiene	ug/kg	ND	323	09/30/20 11:04	
Hexachlorobenzene	ug/kg	ND	323	09/30/20 11:04	
Hexachlorocyclopentadiene	ug/kg	ND	323	09/30/20 11:04	
Hexachloroethane	ug/kg	ND	323	09/30/20 11:04	
Indeno(1,2,3-cd)pyrene	ug/kg	ND	323	09/30/20 11:04	
Isophorone	ug/kg	ND	323	09/30/20 11:04	
N-Nitroso-di-n-propylamine	ug/kg	ND	323	09/30/20 11:04	
N-Nitrosodiphenylamine	ug/kg	ND	323	09/30/20 11:04	
Naphthalene	ug/kg	ND	323	09/30/20 11:04	
Nitrobenzene	ug/kg	ND	323	09/30/20 11:04	
Pentachlorophenol	ug/kg	ND	1630	09/30/20 11:04	
Phenanthrene	ug/kg	ND	323	09/30/20 11:04	
Phenol	ug/kg	ND	323	09/30/20 11:04	
Pyrene	ug/kg	ND	323	09/30/20 11:04	
Pyridine	ug/kg	ND	323	09/30/20 11:04	
2,4,6-Tribromophenol (S)	%	80	41-108	09/30/20 11:04	
2-Fluorobiphenyl (S)	%	80	39-136	09/30/20 11:04	
2-Fluorophenol (S)	%	77	43-96	09/30/20 11:04	
Nitrobenzene-d5 (S)	%	81	33-132	09/30/20 11:04	
Phenol-d6 (S)	%	78	43-95	09/30/20 11:04	
Terphenyl-d14 (S)	%	85	29-131	09/30/20 11:04	

LABORATORY CONTROL SAMPLE: 2747545

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2,4-Trichlorobenzene	ug/kg	1570	1220	78	52-104	
1,2-Dichlorobenzene	ug/kg	1570	1210	77	51-99	
1,3-Dichlorobenzene	ug/kg	1570	1190	76	48-102	
1,4-Dichlorobenzene	ug/kg	1570	1190	76	49-101	
2,4,5-Trichlorophenol	ug/kg	1570	1290	82	58-109	
2,4,6-Trichlorophenol	ug/kg	1570	1270	81	56-109	
2,4-Dichlorophenol	ug/kg	1570	1250	80	54-106	

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QUALITY CONTROL DATA

Project: PINE LAWN

Pace Project No.: 60349231

LABORATORY CONTROL SAMPLE: 2747545

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
2,4-Dimethylphenol	ug/kg	1570	1260	80	49-104	
2,4-Dinitrophenol	ug/kg	1570	1250J	79	26-119	
2,4-Dinitrotoluene	ug/kg	1570	1310	83	60-109	
2,6-Dinitrotoluene	ug/kg	1570	1260	80	59-109	
2-Chloronaphthalene	ug/kg	1570	1220	78	56-104	
2-Chlorophenol	ug/kg	1570	1250	79	56-98	
2-Methylnaphthalene	ug/kg	1570	1270	81	53-103	
2-Methylphenol(o-Cresol)	ug/kg	1570	1250	79	52-102	
2-Nitroaniline	ug/kg	1570	1260	80	54-113	
2-Nitrophenol	ug/kg	1570	1250	79	51-111	
3&4-Methylphenol(m&p Cresol)	ug/kg	1570	1250	79	52-102	
3,3'-Dichlorobenzidine	ug/kg	1570	850	54	19-126	
3-Nitroaniline	ug/kg	1570	883	56	31-122	
4,6-Dinitro-2-methylphenol	ug/kg	1570	1160J	74	37-117	
4-Bromophenylphenyl ether	ug/kg	1570	1230	78	60-106	
4-Chloro-3-methylphenol	ug/kg	1570	1300	83	55-107	
4-Chloroaniline	ug/kg	1570	690	44	10-116	
4-Chlorophenylphenyl ether	ug/kg	1570	1240	79	56-107	
4-Nitroaniline	ug/kg	1570	1260	80	52-113	
4-Nitrophenol	ug/kg	1570	1350J	86	53-114	
Acenaphthene	ug/kg	1570	1260	80	55-105	
Acenaphthylene	ug/kg	1570	1310	84	57-105	
Anthracene	ug/kg	1570	1250	79	59-106	
Benzo(a)anthracene	ug/kg	1570	1270	81	59-109	
Benzo(a)pyrene	ug/kg	1570	1260	80	59-109	
Benzo(b)fluoranthene	ug/kg	1570	1280	82	56-112	
Benzo(g,h,i)perylene	ug/kg	1570	1280	82	57-109	
Benzo(k)fluoranthene	ug/kg	1570	1290	82	57-107	
Benzoic Acid	ug/kg	1570	1770	112	10-96	L1
Benzyl alcohol	ug/kg	1570	1280	81	56-103	
bis(2-Chloroethoxy)methane	ug/kg	1570	1200	76	52-102	
bis(2-Chloroethyl) ether	ug/kg	1570	1190	76	51-100	
bis(2-Chloroisopropyl) ether	ug/kg	1570	1240	79	47-101	
bis(2-Ethylhexyl)phthalate	ug/kg	1570	1340	85	61-113	
Butylbenzylphthalate	ug/kg	1570	1280	82	62-110	
Carbazole	ug/kg	1570	1290	82	60-106	
Chrysene	ug/kg	1570	1310	83	58-108	
Di-n-butylphthalate	ug/kg	1570	1300	83	61-110	
Di-n-octylphthalate	ug/kg	1570	1350	86	58-114	
Dibenz(a,h)anthracene	ug/kg	1570	1300	83	57-109	
Dibenzofuran	ug/kg	1570	1230	78	56-106	
Diethylphthalate	ug/kg	1570	1260	80	57-107	
Dimethylphthalate	ug/kg	1570	1260	80	55-106	
Fluoranthene	ug/kg	1570	1250	79	60-109	
Fluorene	ug/kg	1570	1240	79	56-107	
Hexachloro-1,3-butadiene	ug/kg	1570	1250	79	50-106	
Hexachlorobenzene	ug/kg	1570	1210	77	56-107	

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QUALITY CONTROL DATA

Project: PINE LAWN

Pace Project No.: 60349231

LABORATORY CONTROL SAMPLE: 2747545

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Hexachlorocyclopentadiene	ug/kg	1570	1010	65	18-118	
Hexachloroethane	ug/kg	1570	1200	76	49-101	
Indeno(1,2,3-cd)pyrene	ug/kg	1570	1290	82	58-108	
Isophorone	ug/kg	1570	1240	79	53-99	
N-Nitroso-di-n-propylamine	ug/kg	1570	1210	77	50-101	
N-Nitrosodiphenylamine	ug/kg	1570	1260	80	58-107	
Naphthalene	ug/kg	1570	1220	78	51-103	
Nitrobenzene	ug/kg	1570	1240	79	51-104	
Pentachlorophenol	ug/kg	1570	1280J	82	43-123	
Phenanthrene	ug/kg	1570	1240	79	58-106	
Phenol	ug/kg	1570	1250	80	53-101	
Pyrene	ug/kg	1570	1290	82	60-108	
Pyridine	ug/kg	1570	905	58	33-72	
2,4,6-Tribromophenol (S)	%			78	41-108	
2-Fluorobiphenyl (S)	%			78	39-136	
2-Fluorophenol (S)	%			73	43-96	
Nitrobenzene-d5 (S)	%			78	33-132	
Phenol-d6 (S)	%			72	43-95	
Terphenyl-d14 (S)	%			83	29-131	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2747546 2747547

Parameter	Units	60349231006 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,2,4-Trichlorobenzene	ug/kg	ND	1870	1940	1460	1490	78	76	42-102	2	26	
1,2-Dichlorobenzene	ug/kg	ND	1870	1940	1390	1430	75	74	45-96	3	31	
1,3-Dichlorobenzene	ug/kg	ND	1870	1940	1370	1400	74	72	44-95	2	31	
1,4-Dichlorobenzene	ug/kg	ND	1870	1940	1410	1440	75	74	45-95	2	30	
2,4,5-Trichlorophenol	ug/kg	ND	1870	1940	1530	1530	82	79	47-109	0	31	
2,4,6-Trichlorophenol	ug/kg	ND	1870	1940	1540	1550	82	80	14-133	1	31	
2,4-Dichlorophenol	ug/kg	ND	1870	1940	1490	1530	80	79	36-111	2	29	
2,4-Dimethylphenol	ug/kg	ND	1870	1940	1480	1500	79	77	22-113	1	32	
2,4-Dinitrophenol	ug/kg	ND	1870	1940	983J	929J	53	48	10-116		35	
2,4-Dinitrotoluene	ug/kg	ND	1870	1940	1510	1520	81	78	10-133	0	32	
2,6-Dinitrotoluene	ug/kg	ND	1870	1940	1510	1520	81	78	17-125	0	25	
2-Chloronaphthalene	ug/kg	ND	1870	1940	1470	1490	79	76	47-105	1	28	
2-Chlorophenol	ug/kg	ND	1870	1940	1460	1470	78	75	44-100	0	31	
2-Methylnaphthalene	ug/kg	ND	1870	1940	1510	1530	81	79	43-104	1	28	
2-Methylphenol(o-Cresol)	ug/kg	ND	1870	1940	1440	1450	77	74	37-105	0	32	
2-Nitroaniline	ug/kg	ND	1870	1940	1540	1520	82	78	44-117	1	28	
2-Nitrophenol	ug/kg	ND	1870	1940	1480	1530	79	78	10-145	3	30	
3&4-Methylphenol(m&p Cresol)	ug/kg	ND	1870	1940	1460	1460	78	75	35-108	0	30	
3,3'-Dichlorobenzidine	ug/kg	ND	1870	1940	1180	1210	63	62	10-133	2	39	
3-Nitroaniline	ug/kg	ND	1870	1940	1350	1310	72	67	10-124	3	27	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: PINE LAWN

Pace Project No.: 60349231

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2747546 2747547											
Parameter	Units	60349231006 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	Max RPD	Qual
4,6-Dinitro-2-methylphenol	ug/kg	ND	1870	1940	1230J	1110J	66	57	10-123	30	
4-Bromophenylphenyl ether	ug/kg	ND	1870	1940	1500	1480	80	76	47-109	1	33
4-Chloro-3-methylphenol	ug/kg	ND	1870	1940	1560	1540	83	79	42-109	1	30
4-Chloroaniline	ug/kg	ND	1870	1940	956	965	51	50	10-94	1	33
4-Chlorophenylphenyl ether	ug/kg	ND	1870	1940	1490	1500	80	77	46-106	0	33
4-Nitroaniline	ug/kg	ND	1870	1940	1450	1510	78	77	11-126	4	47
4-Nitrophenol	ug/kg	ND	1870	1940	1550J	1790J	83	92	18-130		35
Acenaphthene	ug/kg	ND	1870	1940	1530	1550	82	80	44-104	1	23
Acenaphthylene	ug/kg	ND	1870	1940	1590	1580	85	81	47-102	1	29
Anthracene	ug/kg	ND	1870	1940	1490	1510	80	77	39-112	1	30
Benzo(a)anthracene	ug/kg	ND	1870	1940	1540	1510	83	78	10-139	2	32
Benzo(a)pyrene	ug/kg	ND	1870	1940	1460	1470	78	76	12-132	1	33
Benzo(b)fluoranthene	ug/kg	ND	1870	1940	1580	1490	85	77	12-136	6	37
Benzo(g,h,i)perylene	ug/kg	ND	1870	1940	1400	1420	75	73	22-119	2	41
Benzo(k)fluoranthene	ug/kg	ND	1870	1940	1450	1580	77	81	32-113	9	32
Benzoic Acid	ug/kg	ND	1870	1940	1890	1580J	101	81	10-101		35
Benzyl alcohol	ug/kg	ND	1870	1940	1470	1450	78	75	46-103	1	31
bis(2-Chloroethoxy)methane	ug/kg	ND	1870	1940	1420	1440	76	74	41-100	1	29
bis(2-Chloroethyl) ether	ug/kg	ND	1870	1940	1410	1420	76	73	46-100	0	32
bis(2-Chloroisopropyl) ether	ug/kg	ND	1870	1940	1450	1450	77	75	40-99	0	29
bis(2-Ethylhexyl)phthalate	ug/kg	ND	1870	1940	1570	1570	84	81	24-141	0	33
Butylbenzylphthalate	ug/kg	ND	1870	1940	1530	1500	82	77	41-131	2	33
Carbazole	ug/kg	ND	1870	1940	1510	1520	81	78	41-107	1	30
Chrysene	ug/kg	ND	1870	1940	1560	1520	83	78	10-137	2	31
Di-n-butylphthalate	ug/kg	ND	1870	1940	1540	1530	82	79	41-118	0	31
Di-n-octylphthalate	ug/kg	ND	1870	1940	1590	1620	85	83	40-138	2	29
Dibenz(a,h)anthracene	ug/kg	ND	1870	1940	1460	1480	78	76	23-122	1	35
Dibenzofuran	ug/kg	ND	1870	1940	1480	1490	79	76	49-101	1	28
Diethylphthalate	ug/kg	ND	1870	1940	1520	1490	81	77	42-107	2	31
Dimethylphthalate	ug/kg	ND	1870	1940	1510	1490	81	77	37-108	1	30
Fluoranthene	ug/kg	ND	1870	1940	1480	1490	79	76	10-139	1	32
Fluorene	ug/kg	ND	1870	1940	1500	1490	80	77	43-108	0	32
Hexachloro-1,3-butadiene	ug/kg	ND	1870	1940	1460	1480	78	76	41-104	2	27
Hexachlorobenzene	ug/kg	ND	1870	1940	1460	1460	78	75	46-105	0	31
Hexachlorocyclopentadiene	ug/kg	ND	1870	1940	1080	1150	58	59	10-111	6	61
Hexachloroethane	ug/kg	ND	1870	1940	1380	1420	74	73	11-119	2	34
Indeno(1,2,3-cd)pyrene	ug/kg	ND	1870	1940	1470	1460	79	75	21-120	1	38
Isophorone	ug/kg	ND	1870	1940	1480	1490	79	76	44-97	1	28
N-Nitroso-di-n-propylamine	ug/kg	ND	1870	1940	1420	1450	76	74	37-108	2	30
N-Nitrosodiphenylamine	ug/kg	ND	1870	1940	1490	1510	80	77	41-108	1	36
Naphthalene	ug/kg	ND	1870	1940	1460	1480	78	76	40-105	1	31
Nitrobenzene	ug/kg	ND	1870	1940	1490	1500	80	77	35-106	1	29
Pentachlorophenol	ug/kg	ND	1870	1940	1640J	1480J	88	76	10-144		35
Phenanthrene	ug/kg	ND	1870	1940	1500	1490	80	77	43-108	1	29
Phenol	ug/kg	ND	1870	1940	1470	1460	79	75	38-102	1	29

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QUALITY CONTROL DATA

Project: PINE LAWN

Pace Project No.: 60349231

MATRIX SPIKE & MATRIX SPIKE DUPLICATE:											
2747546				2747547							
Parameter	Units	60349231006	MS	MSD	MS	MSD	MS	MSD	% Rec	Max	Qual
		Result	Spike Conc.	Spike Conc.							
Pyrene	ug/kg	ND	1870	1940	1570	1520	84	78	10-147	3	38
Pyridine	ug/kg	ND	1870	1940	895	812	48	42	10-79	10	35
2,4,6-Tribromophenol (S)	%						78	72	41-108		
2-Fluorobiphenyl (S)	%						80	76	39-136		
2-Fluorophenol (S)	%						72	68	43-96		
Nitrobenzene-d5 (S)	%						80	74	33-132		
Phenol-d6 (S)	%						72	68	43-95		
Terphenyl-d14 (S)	%						84	78	29-131		

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QUALITY CONTROL DATA

Project: PINE LAWN

Pace Project No.: 60349231

QC Batch: 679229

Analysis Method: EPA 8270

QC Batch Method: EPA 3546

Analysis Description: 8270 MSSV TPH ORO

Laboratory: Pace Analytical Services - Kansas City

Associated Lab Samples: 60349231001, 60349231002, 60349231005

METHOD BLANK: 2746726

Matrix: Solid

Associated Lab Samples: 60349231001, 60349231002, 60349231005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
TPH-DRO	mg/kg	ND	14.1	09/30/20 18:21	
TPH-ORO	mg/kg	ND	14.1	09/30/20 18:21	
2-Fluorobiphenyl (S)	%	72	39-136	09/30/20 18:21	
Nitrobenzene-d5 (S)	%	71	33-132	09/30/20 18:21	
Terphenyl-d14 (S)	%	69	29-131	09/30/20 18:21	

LABORATORY CONTROL SAMPLE: 2746727

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
TPH-DRO	mg/kg	330	292	88	39-122	
2-Fluorobiphenyl (S)	%			78	39-136	
Nitrobenzene-d5 (S)	%			79	33-132	
Terphenyl-d14 (S)	%			76	29-131	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2746728 2746729

Parameter	Units	60349495001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
TPH-DRO	mg/kg	1550	401	403	1650	3050	25	374	12-137	60	38	M1,R1
2-Fluorobiphenyl (S)	%						71	71	39-136			
Nitrobenzene-d5 (S)	%						84	92	33-132			
Terphenyl-d14 (S)	%						64	62	29-131			

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: PINE LAWN

Pace Project No.: 60349231

QC Batch: 680484

Analysis Method: EPA 8270

QC Batch Method: EPA 3546

Analysis Description: 8270 MSSV TPH ORO

Laboratory: Pace Analytical Services - Kansas City

Associated Lab Samples: 60349231006

METHOD BLANK: 2750821

Matrix: Solid

Associated Lab Samples: 60349231006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
TPH-DRO	mg/kg	ND	14.8	10/05/20 09:54	
TPH-ORO	mg/kg	ND	14.8	10/05/20 09:54	
2-Fluorobiphenyl (S)	%	93	39-136	10/05/20 09:54	
Nitrobenzene-d5 (S)	%	82	33-132	10/05/20 09:54	
Terphenyl-d14 (S)	%	103	29-131	10/05/20 09:54	

LABORATORY CONTROL SAMPLE: 2750822

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
TPH-DRO	mg/kg	313	268	86	39-122	
2-Fluorobiphenyl (S)	%			94	39-136	
Nitrobenzene-d5 (S)	%			88	33-132	
Terphenyl-d14 (S)	%			103	29-131	

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QUALITY CONTROL DATA

Project: PINE LAWN

Pace Project No.: 60349231

QC Batch: 678835

Analysis Method: EPA 8270

QC Batch Method: EPA 3510C

Analysis Description: 8270 MSSV TPH ORO

Laboratory: Pace Analytical Services - Kansas City

Associated Lab Samples: 60349231003

METHOD BLANK: 2744639

Matrix: Water

Associated Lab Samples: 60349231003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
TPH-DRO	mg/L	ND	1.0	09/28/20 21:15	
TPH-ORO	mg/L	ND	1.0	09/28/20 21:15	
2-Fluorobiphenyl (S)	%	50	29-108	09/28/20 21:15	
Nitrobenzene-d5 (S)	%	49	27-106	09/28/20 21:15	
Terphenyl-d14 (S)	%	43	34-129	09/28/20 21:15	

LABORATORY CONTROL SAMPLE: 2744640

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
TPH-DRO	mg/L	100	43.2	43	33-130	
2-Fluorobiphenyl (S)	%			49	29-108	
Nitrobenzene-d5 (S)	%			47	27-106	
Terphenyl-d14 (S)	%			46	34-129	

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QUALITY CONTROL DATA

Project: PINE LAWN

Pace Project No.: 60349231

QC Batch: 679482

Analysis Method: EPA 8270

QC Batch Method: EPA 3510

Analysis Description: 8270 Water MSSV, LV

Laboratory: Pace Analytical Services - Kansas City

Associated Lab Samples: 60349231003

METHOD BLANK: 2747387

Matrix: Water

Associated Lab Samples: 60349231003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,2,4-Trichlorobenzene	ug/L	ND	10.0	09/30/20 11:37	
1,2-Dichlorobenzene	ug/L	ND	10.0	09/30/20 11:37	
1,3-Dichlorobenzene	ug/L	ND	10.0	09/30/20 11:37	
1,4-Dichlorobenzene	ug/L	ND	10.0	09/30/20 11:37	
2,4,5-Trichlorophenol	ug/L	ND	50.0	09/30/20 11:37	
2,4,6-Trichlorophenol	ug/L	ND	10.0	09/30/20 11:37	
2,4-Dichlorophenol	ug/L	ND	10.0	09/30/20 11:37	
2,4-Dimethylphenol	ug/L	ND	10.0	09/30/20 11:37	
2,4-Dinitrophenol	ug/L	ND	50.0	09/30/20 11:37	
2,4-Dinitrotoluene	ug/L	ND	10.0	09/30/20 11:37	
2,6-Dinitrotoluene	ug/L	ND	10.0	09/30/20 11:37	
2-Chloronaphthalene	ug/L	ND	10.0	09/30/20 11:37	
2-Chlorophenol	ug/L	ND	10.0	09/30/20 11:37	
2-Methylnaphthalene	ug/L	ND	10.0	09/30/20 11:37	
2-Methylphenol(o-Cresol)	ug/L	ND	10.0	09/30/20 11:37	
2-Nitroaniline	ug/L	ND	50.0	09/30/20 11:37	
2-Nitrophenol	ug/L	ND	10.0	09/30/20 11:37	
3&4-Methylphenol(m&p Cresol)	ug/L	ND	10.0	09/30/20 11:37	
3,3'-Dichlorobenzidine	ug/L	ND	20.0	09/30/20 11:37	
3-Nitroaniline	ug/L	ND	50.0	09/30/20 11:37	
4,6-Dinitro-2-methylphenol	ug/L	ND	50.0	09/30/20 11:37	
4-Bromophenylphenyl ether	ug/L	ND	10.0	09/30/20 11:37	
4-Chloro-3-methylphenol	ug/L	ND	20.0	09/30/20 11:37	
4-Chloroaniline	ug/L	ND	20.0	09/30/20 11:37	
4-Chlorophenylphenyl ether	ug/L	ND	10.0	09/30/20 11:37	
4-Nitroaniline	ug/L	ND	50.0	09/30/20 11:37	
4-Nitrophenol	ug/L	ND	50.0	09/30/20 11:37	
Acenaphthene	ug/L	ND	10.0	09/30/20 11:37	
Acenaphthylene	ug/L	ND	10.0	09/30/20 11:37	
Anthracene	ug/L	ND	10.0	09/30/20 11:37	
Benzo(a)anthracene	ug/L	ND	10.0	09/30/20 11:37	
Benzo(a)pyrene	ug/L	ND	10.0	09/30/20 11:37	
Benzo(b)fluoranthene	ug/L	ND	10.0	09/30/20 11:37	
Benzo(g,h,i)perylene	ug/L	ND	10.0	09/30/20 11:37	
Benzo(k)fluoranthene	ug/L	ND	10.0	09/30/20 11:37	
Benzoic Acid	ug/L	ND	50.0	09/30/20 11:37	
Benzyl alcohol	ug/L	ND	20.0	09/30/20 11:37	
bis(2-Chloroethoxy)methane	ug/L	ND	10.0	09/30/20 11:37	
bis(2-Chloroethyl) ether	ug/L	ND	10.0	09/30/20 11:37	
bis(2-Chloroisopropyl) ether	ug/L	ND	10.0	09/30/20 11:37	

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QUALITY CONTROL DATA

Project: PINE LAWN

Pace Project No.: 60349231

METHOD BLANK: 2747387

Matrix: Water

Associated Lab Samples: 60349231003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
bis(2-Ethylhexyl)phthalate	ug/L	ND	20.0	09/30/20 11:37	
Butylbenzylphthalate	ug/L	ND	20.0	09/30/20 11:37	
Carbazole	ug/L	ND	10.0	09/30/20 11:37	
Chrysene	ug/L	ND	10.0	09/30/20 11:37	
Di-n-butylphthalate	ug/L	ND	10.0	09/30/20 11:37	
Di-n-octylphthalate	ug/L	ND	10.0	09/30/20 11:37	
Dibenz(a,h)anthracene	ug/L	ND	10.0	09/30/20 11:37	
Dibenzofuran	ug/L	ND	10.0	09/30/20 11:37	
Diethylphthalate	ug/L	ND	10.0	09/30/20 11:37	
Dimethylphthalate	ug/L	ND	10.0	09/30/20 11:37	
Fluoranthene	ug/L	ND	10.0	09/30/20 11:37	
Fluorene	ug/L	ND	10.0	09/30/20 11:37	
Hexachloro-1,3-butadiene	ug/L	ND	10.0	09/30/20 11:37	
Hexachlorobenzene	ug/L	ND	10.0	09/30/20 11:37	
Hexachlorocyclopentadiene	ug/L	ND	10.0	09/30/20 11:37	
Hexachloroethane	ug/L	ND	10.0	09/30/20 11:37	
Indeno(1,2,3-cd)pyrene	ug/L	ND	10.0	09/30/20 11:37	
Isophorone	ug/L	ND	10.0	09/30/20 11:37	
N-Nitroso-di-n-propylamine	ug/L	ND	10.0	09/30/20 11:37	
N-Nitrosodiphenylamine	ug/L	ND	10.0	09/30/20 11:37	
Naphthalene	ug/L	ND	10.0	09/30/20 11:37	
Nitrobenzene	ug/L	ND	10.0	09/30/20 11:37	
Pentachlorophenol	ug/L	ND	50.0	09/30/20 11:37	
Phenanthrene	ug/L	ND	10.0	09/30/20 11:37	
Phenol	ug/L	ND	10.0	09/30/20 11:37	
Pyrene	ug/L	ND	10.0	09/30/20 11:37	
Pyridine	ug/L	ND	10.0	09/30/20 11:37	
2,4,6-Tribromophenol (S)	%	73	16-114	09/30/20 11:37	
2-Fluorobiphenyl (S)	%	68	29-108	09/30/20 11:37	
2-Fluorophenol (S)	%	44	11-64	09/30/20 11:37	
Nitrobenzene-d5 (S)	%	72	27-106	09/30/20 11:37	
Phenol-d6 (S)	%	29	10-44	09/30/20 11:37	
Terphenyl-d14 (S)	%	89	34-129	09/30/20 11:37	

LABORATORY CONTROL SAMPLE: 2747388

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2,4-Trichlorobenzene	ug/L	50	25.6	51	22-109	
1,2-Dichlorobenzene	ug/L	50	27.2	54	18-107	
1,3-Dichlorobenzene	ug/L	50	25.9	52	16-105	
1,4-Dichlorobenzene	ug/L	50	26.7	53	17-105	
2,4,5-Trichlorophenol	ug/L	50	37.9J	76	25-126	
2,4,6-Trichlorophenol	ug/L	50	36.7	73	23-124	
2,4-Dichlorophenol	ug/L	50	36.5	73	26-116	

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QUALITY CONTROL DATA

Project: PINE LAWN

Pace Project No.: 60349231

LABORATORY CONTROL SAMPLE: 2747388

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
2,4-Dimethylphenol	ug/L	50	38.0	76	36-98	
2,4-Dinitrophenol	ug/L	50	37.1J	74	11-138	
2,4-Dinitrotoluene	ug/L	50	40.2	80	30-127	
2,6-Dinitrotoluene	ug/L	50	38.8	78	30-125	
2-Chloronaphthalene	ug/L	50	29.6	59	28-115	
2-Chlorophenol	ug/L	50	35.0	70	25-107	
2-Methylnaphthalene	ug/L	50	30.3	61	25-112	
2-Methylphenol(o-Cresol)	ug/L	50	33.2	66	30-94	
2-Nitroaniline	ug/L	50	38.8J	78	29-126	
2-Nitrophenol	ug/L	50	35.3	71	26-122	
3&4-Methylphenol(m&p Cresol)	ug/L	50	30.5	61	26-89	
3,3'-Dichlorobenzidine	ug/L	50	44.5	89	24-140	
3-Nitroaniline	ug/L	50	38.8J	78	30-139	
4,6-Dinitro-2-methylphenol	ug/L	50	35.3J	71	21-135	
4-Bromophenylphenyl ether	ug/L	50	36.8	74	30-121	
4-Chloro-3-methylphenol	ug/L	50	39.1	78	28-117	
4-Chloroaniline	ug/L	50	36.4	73	22-136	
4-Chlorophenylphenyl ether	ug/L	50	35.9	72	30-119	
4-Nitroaniline	ug/L	50	40.6J	81	31-129	
4-Nitrophenol	ug/L	50	18J	36	10-64	
Acenaphthene	ug/L	50	34.4	69	29-117	
Acenaphthylene	ug/L	50	35.4	71	27-119	
Anthracene	ug/L	50	39.2	78	27-124	
Benzo(a)anthracene	ug/L	50	44.0	88	30-124	
Benzo(a)pyrene	ug/L	50	42.3	85	29-123	
Benzo(b)fluoranthene	ug/L	50	44.8	90	29-127	
Benzo(g,h,i)perylene	ug/L	50	43.6	87	30-124	
Benzo(k)fluoranthene	ug/L	50	40.7	81	29-125	
Benzoic Acid	ug/L	50	19.1J	38	10-71	
Benzyl alcohol	ug/L	50	38.2	76	23-105	
bis(2-Chloroethoxy)methane	ug/L	50	35.6	71	29-115	
bis(2-Chloroethyl) ether	ug/L	50	36.6	73	28-114	
bis(2-Chloroisopropyl) ether	ug/L	50	36.3	73	27-114	
bis(2-Ethylhexyl)phthalate	ug/L	50	47.7	95	35-128	
Butylbenzylphthalate	ug/L	50	48.5	97	28-114	
Carbazole	ug/L	50	41.1	82	31-124	
Chrysene	ug/L	50	43.6	87	31-124	
Di-n-butylphthalate	ug/L	50	45.4	91	29-130	
Di-n-octylphthalate	ug/L	50	49.5	99	27-135	
Dibenz(a,h)anthracene	ug/L	50	43.3	87	30-125	
Dibenzofuran	ug/L	50	34.1	68	30-118	
Diethylphthalate	ug/L	50	39.9	80	30-123	
Dimethylphthalate	ug/L	50	39.0	78	29-121	
Fluoranthene	ug/L	50	41.4	83	31-126	
Fluorene	ug/L	50	36.6	73	30-120	
Hexachloro-1,3-butadiene	ug/L	50	24.4	49	14-107	
Hexachlorobenzene	ug/L	50	36.6	73	29-123	

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

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: PINE LAWN

Pace Project No.: 60349231

LABORATORY CONTROL SAMPLE: 2747388

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Hexachlorocyclopentadiene	ug/L	50	20.1	40	10-56	
Hexachloroethane	ug/L	50	25.0	50	14-103	
Indeno(1,2,3-cd)pyrene	ug/L	50	43.3	87	29-124	
Isophorone	ug/L	50	38.9	78	29-117	
N-Nitroso-di-n-propylamine	ug/L	50	39.6	79	28-117	
N-Nitrosodiphenylamine	ug/L	50	39.1	78	30-122	
Naphthalene	ug/L	50	30.5	61	25-111	
Nitrobenzene	ug/L	50	35.0	70	28-116	
Pentachlorophenol	ug/L	50	41.8J	84	17-134	
Phenanthrene	ug/L	50	38.4	77	30-121	
Phenol	ug/L	50	15.2	30	10-58	
Pyrene	ug/L	50	41.8	84	31-124	
Pyridine	ug/L	50	15.4	31	10-73	
2,4,6-Tribromophenol (S)	%			80	16-114	
2-Fluorobiphenyl (S)	%			63	29-108	
2-Fluorophenol (S)	%			42	11-64	
Nitrobenzene-d5 (S)	%			71	27-106	
Phenol-d6 (S)	%			29	10-44	
Terphenyl-d14 (S)	%			87	34-129	

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QUALITY CONTROL DATA

Project: PINE LAWN

Pace Project No.: 60349231

QC Batch: 678754

Analysis Method: ASTM D2974

QC Batch Method: ASTM D2974

Analysis Description: Dry Weight/Percent Moisture

Laboratory: Pace Analytical Services - Kansas City

Associated Lab Samples: 60349231001, 60349231002, 60349231005, 60349231006

METHOD BLANK: 2744412

Matrix: Solid

Associated Lab Samples: 60349231001, 60349231002, 60349231005, 60349231006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Percent Moisture	%	ND	0.50	09/24/20 15:45	

SAMPLE DUPLICATE: 2744413

Parameter	Units	60349206002 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	17.9	17.9	0	20	

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QUALIFIERS

Project: PINE LAWN

Pace Project No.: 60349231

DEFINITIONS

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

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

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

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

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

S - Surrogate

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

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

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

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

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

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

TNI - The NELAC Institute.

BATCH QUALIFIERS

Batch: 678959

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

ANALYTE QUALIFIERS

L1	Analyte recovery in the laboratory control sample (LCS) was above QC limits. Results for this analyte in associated samples may be biased high.
L2	Analyte recovery in the laboratory control sample (LCS) was below QC limits. Results for this analyte in associated samples may be biased low.
M1	Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.
R1	RPD value was outside control limits.
S3	Surrogate recovery exceeded laboratory control limits. Analyte presence below reporting limits in associated sample.
SS	This analyte did not meet the secondary source verification criteria for the initial calibration. The reported result should be considered an estimated value.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: PINE LAWN

Pace Project No.: 60349231

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
60349231001	DPT-7-SO-(2-3)	EPA 3546	679537	EPA 8082	680254
60349231002	DPT-7-SO-(29-30)	EPA 3546	679537	EPA 8082	680254
60349231005	DPT-8-SO-(29-30)	EPA 3546	679537	EPA 8082	680254
60349231006	DPT-8-SO-(29-30)-FD	EPA 3546	679537	EPA 8082	680254
60349231003	PINE LAWN-RB	EPA 3510	680394	EPA 8082	680549
60349231001	DPT-7-SO-(2-3)	EPA 3050	680399	EPA 6010	680674
60349231002	DPT-7-SO-(29-30)	EPA 3050	680399	EPA 6010	680674
60349231005	DPT-8-SO-(29-30)	EPA 3050	680399	EPA 6010	680674
60349231006	DPT-8-SO-(29-30)-FD	EPA 3050	680399	EPA 6010	680674
60349231003	PINE LAWN-RB	EPA 3010	680313	EPA 6010	680440
60349231003	PINE LAWN-RB	EPA 3010	680316	EPA 6010	680441
60349231003	PINE LAWN-RB	EPA 7470	679620	EPA 7470	679743
60349231003	PINE LAWN-RB	EPA 7470	679617	EPA 7470	679742
60349231001	DPT-7-SO-(2-3)	EPA 7471	679970	EPA 7471	680181
60349231002	DPT-7-SO-(29-30)	EPA 7471	679970	EPA 7471	680181
60349231005	DPT-8-SO-(29-30)	EPA 7471	679970	EPA 7471	680181
60349231006	DPT-8-SO-(29-30)-FD	EPA 7471	679970	EPA 7471	680181
60349231001	DPT-7-SO-(2-3)	EPA 3546	679538	EPA 8270	679906
60349231002	DPT-7-SO-(29-30)	EPA 3546	679538	EPA 8270	679906
60349231005	DPT-8-SO-(29-30)	EPA 3546	679538	EPA 8270	679906
60349231006	DPT-8-SO-(29-30)-FD	EPA 3546	679538	EPA 8270	679906
60349231001	DPT-7-SO-(2-3)	EPA 3546	679229	EPA 8270	680097
60349231002	DPT-7-SO-(29-30)	EPA 3546	679229	EPA 8270	680097
60349231005	DPT-8-SO-(29-30)	EPA 3546	679229	EPA 8270	680097
60349231006	DPT-8-SO-(29-30)-FD	EPA 3546	680484	EPA 8270	680699
60349231003	PINE LAWN-RB	EPA 3510C	678835	EPA 8270	679489
60349231003	PINE LAWN-RB	EPA 3510	679482	EPA 8270	679841
60349231001	DPT-7-SO-(2-3)	EPA 5035A/5030	678876	EPA 8260B	678909
60349231002	DPT-7-SO-(29-30)	EPA 5035A/5030	678876	EPA 8260B	678909
60349231004	PINE LAWN-SO-TB3	EPA 5035A/5030	678876	EPA 8260B	678909
60349231005	DPT-8-SO-(29-30)	EPA 5035A/5030	678876	EPA 8260B	678909
60349231006	DPT-8-SO-(29-30)-FD	EPA 5035A/5030	678876	EPA 8260B	678909
60349231003	PINE LAWN-RB	EPA 5030B/8260	678965		
60349231003	PINE LAWN-RB	EPA 8260	678959		
60349231001	DPT-7-SO-(2-3)	EPA 5035	678887	EPA 8260	678910
60349231002	DPT-7-SO-(29-30)	EPA 5035	678887	EPA 8260	678910
60349231005	DPT-8-SO-(29-30)	EPA 5035	678887	EPA 8260	678910
60349231006	DPT-8-SO-(29-30)-FD	EPA 5035	678887	EPA 8260	678910
60349231001	DPT-7-SO-(2-3)	ASTM D2974	678754		
60349231002	DPT-7-SO-(29-30)	ASTM D2974	678754		

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: PINE LAWN

Pace Project No.: 60349231

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
60349231005	DPT-8-SO-(29-30)	ASTM D2974	678754		
60349231006	DPT-8-SO-(29-30)-FD	ASTM D2974	678754		

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Sample Condition Upon Receipt

WO#: 60349231



Client Name: TetraTech

Courier: FedEx ☐ UPS ☐ VIA ☐ Clay ☐ PEX ☐ ECI ☐ Pace ☐ Xroads ☒ Client ☐ Other ☐

Tracking #: _____ Pace Shipping Label Used? Yes ☐ No ☒

Custody Seal on Cooler/Box Present: Yes ☒ No ☐ Seals intact: Yes ☒ No ☐

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

Thermometer Used: T296 Type of Ice: ☒ Wet Blue ☐ None

Cooler Temperature (°C): As-read 3.6 Corr. Factor -0.4 Corrected 3.2

Date and initials of person examining contents 9/23/20 HR

Temperature should be above freezing to 6°C

Chain of Custody present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Chain of Custody relinquished:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Samples arrived within holding time:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Short Hold Time analyses (<72hr):	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	
Rush Turn Around Time requested:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	
Sufficient volume:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Correct containers used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Pace containers used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Containers intact:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Unpreserved 5035A / TX1005/1006 soils frozen in 48hrs?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	
Filtered volume received for dissolved tests?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Sample labels match COC: Date / time / ID / analyses	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Samples contain multiple phases? Matrix: <u>SL/WN</u>	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	
Containers requiring pH preservation in compliance? (HNO ₃ , H ₂ SO ₄ , HCl<2; NaOH>9 Sulfide, NaOH>10 Cyanide) (Exceptions: VOA, Micro, O&G, KS TPH, OK-DRO) LOT# <u>U03173</u>	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	List sample IDs, volumes, lot #'s of preservative and the date/time added.
Cyanide water sample checks:		
Lead acetate strip turns dark? (Record only)	<input type="checkbox"/> Yes <input type="checkbox"/> No	
Potassium iodide test strip turns blue/purple? (Preserve)	<input type="checkbox"/> Yes <input type="checkbox"/> No	
Trip Blank present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	Received 2 unp. soil trips
Headspace in VOA vials (>6mm):	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	
Samples from USDA Regulated Area: State: <u>mo</u>	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	
Additional labels attached to 5035A / TX1005 vials in the field?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	

Client Notification/ Resolution: Copy COC to Client? Y ☐ N ☐ Field Data Required? Y ☐ N ☐

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

Project Manager Review:

Jeffrey Shopper

Date: _____



Page: 1 of 1

[illegible]

SAMPLER NAME AND SIGNATURE		Temp In °C	Received on	Cooler (Y/N)	Samples Intact (Y/N)
PRINT Name of SAMPLER:					
SIGNATURE of SAMPLER:		DATE Signed (MM/DD/YY):			
Thompson Kelly & Stephanie Coples		09/22/20			
[Signature]					

October 05, 2020

Kaitlyn Mitchell
Tetra Tech EMI
415 Oak
Kansas City, MO 64106

RE: Project: PINE LAWN
Pace Project No.: 60349234

Dear Kaitlyn Mitchell:

Enclosed are the analytical results for sample(s) received by the laboratory on September 23, 2020. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

- Pace Analytical Services - Kansas City

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

Sincerely,



Jeffrey Shopper
jeff.shopper@pacelabs.com
1(913)563-1408
Project Manager

Enclosures



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: PINE LAWN

Pace Project No.: 60349234

Pace Analytical Services Kansas

9608 Loiret Boulevard, Lenexa, KS 66219

Missouri Inorganic Drinking Water Certification #: 10090

Arkansas Drinking Water

Arkansas Certification #: 20-020-0

Arkansas Drinking Water

Illinois Certification #: 200030

Iowa Certification #: 118

Kansas/NELAP Certification #: E-10116

Louisiana Certification #: 03055

Nevada Certification #: KS000212020-2

Oklahoma Certification #: 9205/9935

Florida: Cert E871149 SEKS WET

Texas Certification #: T104704407-19-12

Utah Certification #: KS000212019-9

Illinois Certification #: 004592

Kansas Field Laboratory Accreditation: # E-92587

Missouri SEKS Micro Certification: 10070

REPORT OF LABORATORY ANALYSIS

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SAMPLE SUMMARY

Project: PINE LAWN

Pace Project No.: 60349234

Lab ID	Sample ID	Matrix	Date Collected	Date Received
60349234001	DPT-6-SO-(15-16)	Solid	09/22/20 09:25	09/23/20 04:59
60349234002	DPT-5-GW-(15-20)	Water	09/22/20 09:30	09/23/20 04:59
60349234003	DPT-6-GW-(15-20)	Water	09/22/20 10:11	09/23/20 04:59
60349234004	DPT-2-GW-(24-29)	Water	09/22/20 11:02	09/23/20 04:59
60349234005	PINE LAWN-FB2	Water	09/22/20 13:05	09/23/20 04:59
60349234006	PINE LAWN-GW-TB2	Water	09/22/20 13:22	09/23/20 04:59

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SAMPLE ANALYTE COUNT

Project: PINE LAWN

Pace Project No.: 60349234

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
60349234001	DPT-6-SO-(15-16)	EPA 8082	AJB1	8	PASI-K
		EPA 6010	TDS	7	PASI-K
		EPA 7471	MRV	1	PASI-K
		EPA 8270	JMT	73	PASI-K
		EPA 8270	NAW	5	PASI-K
		EPA 8260B	RAD	68	PASI-K
		EPA 8260	RAD	4	PASI-K
		ASTM D2974	DWC	1	PASI-K
60349234002	DPT-5-GW-(15-20)	EPA 8082	AJB1	8	PASI-K
		EPA 6010	JLH	7	PASI-K
		EPA 6010	JLH	7	PASI-K
		EPA 7470	MRV	1	PASI-K
		EPA 7470	MRV	1	PASI-K
		EPA 8270	NAW	5	PASI-K
		EPA 8270	JMT	73	PASI-K
		EPA 5030B/8260	EAG	69	PASI-K
60349234003	DPT-6-GW-(15-20)	EPA 8260	EAG	5	PASI-K
		EPA 8082	AJB1	8	PASI-K
		EPA 6010	JLH	7	PASI-K
		EPA 6010	JLH	7	PASI-K
		EPA 7470	MRV	1	PASI-K
		EPA 7470	MRV	1	PASI-K
		EPA 8270	NAW	5	PASI-K
		EPA 8270	JMT	73	PASI-K
60349234004	DPT-2-GW-(24-29)	EPA 5030B/8260	EAG	69	PASI-K
		EPA 8260	EAG	5	PASI-K
		EPA 8082	AJB1	8	PASI-K
		EPA 6010	JLH	7	PASI-K
		EPA 6010	JLH	7	PASI-K
		EPA 7470	MRV	1	PASI-K
		EPA 7470	MRV	1	PASI-K
		EPA 8270	NAW	5	PASI-K
60349234005	PINE LAWN-FB2	EPA 8270	JMT	73	PASI-K
		EPA 5030B/8260	EAG	69	PASI-K
		EPA 8260	EAG	5	PASI-K
		EPA 8082	AJB1	8	PASI-K
		EPA 6010	JLH	7	PASI-K

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SAMPLE ANALYTE COUNT

Project: PINE LAWN

Pace Project No.: 60349234

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
60349234006	PINE LAWN-GW-TB2	EPA 6010	JLH	7	PASI-K
		EPA 7470	MRV	1	PASI-K
		EPA 7470	MRV	1	PASI-K
		EPA 8270	NAW	5	PASI-K
		EPA 8270	JMT	73	PASI-K
		EPA 5030B/8260	EAG	69	PASI-K
		EPA 8260	EAG	5	PASI-K
		EPA 5030B/8260	EAG	69	PASI-K

PASI-K = Pace Analytical Services - Kansas City

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: PINE LAWN

Pace Project No.: 60349234

Sample: DPT-6-SO-(15-16) **Lab ID:** 60349234001 **Collected:** 09/22/20 09:25 **Received:** 09/23/20 04:59 **Matrix:** Solid

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

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8082 GCS PCB SW								
Analytical Method: EPA 8082 Preparation Method: EPA 3546								
Pace Analytical Services - Kansas City								
PCB-1016 (Aroclor 1016)	ND	ug/kg	41.9	1	09/29/20 15:19	10/01/20 22:44	12674-11-2	
PCB-1221 (Aroclor 1221)	ND	ug/kg	41.9	1	09/29/20 15:19	10/01/20 22:44	11104-28-2	
PCB-1232 (Aroclor 1232)	ND	ug/kg	41.9	1	09/29/20 15:19	10/01/20 22:44	11141-16-5	
PCB-1242 (Aroclor 1242)	ND	ug/kg	41.9	1	09/29/20 15:19	10/01/20 22:44	53469-21-9	
PCB-1248 (Aroclor 1248)	ND	ug/kg	41.9	1	09/29/20 15:19	10/01/20 22:44	12672-29-6	
PCB-1254 (Aroclor 1254)	ND	ug/kg	41.9	1	09/29/20 15:19	10/01/20 22:44	11097-69-1	
PCB-1260 (Aroclor 1260)	ND	ug/kg	41.9	1	09/29/20 15:19	10/01/20 22:44	11096-82-5	
Surrogates								
Decachlorobiphenyl (S)	88	%	28-143	1	09/29/20 15:19	10/01/20 22:44	2051-24-3	
6010 MET ICP Red. Interference								
Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Pace Analytical Services - Kansas City								
Arsenic	9.9	mg/kg	1.2	1	10/02/20 10:03	10/05/20 14:12	7440-38-2	
Barium	123	mg/kg	0.61	1	10/02/20 10:03	10/05/20 14:12	7440-39-3	
Cadmium	ND	mg/kg	0.61	1	10/02/20 10:03	10/05/20 14:12	7440-43-9	
Chromium	33.7	mg/kg	0.61	1	10/02/20 10:03	10/05/20 14:12	7440-47-3	
Lead	11.1	mg/kg	1.2	1	10/02/20 10:03	10/05/20 14:12	7439-92-1	
Selenium	ND	mg/kg	1.8	1	10/02/20 10:03	10/05/20 14:12	7782-49-2	
Silver	ND	mg/kg	0.85	1	10/02/20 10:03	10/05/20 14:12	7440-22-4	
7471 Mercury								
Analytical Method: EPA 7471 Preparation Method: EPA 7471								
Pace Analytical Services - Kansas City								
Mercury	ND	mg/kg	0.055	1	09/30/20 18:07	10/01/20 13:00	7439-97-6	
8270 MSSV Semivolatiles								
Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Pace Analytical Services - Kansas City								
Acenaphthene	ND	ug/kg	425	1	09/29/20 13:22	09/30/20 19:14	83-32-9	
Acenaphthylene	ND	ug/kg	425	1	09/29/20 13:22	09/30/20 19:14	208-96-8	
Anthracene	ND	ug/kg	425	1	09/29/20 13:22	09/30/20 19:14	120-12-7	
Benzo(a)anthracene	ND	ug/kg	425	1	09/29/20 13:22	09/30/20 19:14	56-55-3	
Benzo(a)pyrene	ND	ug/kg	425	1	09/29/20 13:22	09/30/20 19:14	50-32-8	
Benzo(b)fluoranthene	ND	ug/kg	425	1	09/29/20 13:22	09/30/20 19:14	205-99-2	
Benzo(g,h,i)perylene	ND	ug/kg	425	1	09/29/20 13:22	09/30/20 19:14	191-24-2	
Benzo(k)fluoranthene	ND	ug/kg	425	1	09/29/20 13:22	09/30/20 19:14	207-08-9	
Benzoic Acid	ND	ug/kg	2150	1	09/29/20 13:22	09/30/20 19:14	65-85-0	L1
Benzyl alcohol	ND	ug/kg	849	1	09/29/20 13:22	09/30/20 19:14	100-51-6	
4-Bromophenylphenyl ether	ND	ug/kg	425	1	09/29/20 13:22	09/30/20 19:14	101-55-3	
Butylbenzylphthalate	ND	ug/kg	425	1	09/29/20 13:22	09/30/20 19:14	85-68-7	
Carbazole	ND	ug/kg	425	1	09/29/20 13:22	09/30/20 19:14	86-74-8	
4-Chloro-3-methylphenol	ND	ug/kg	849	1	09/29/20 13:22	09/30/20 19:14	59-50-7	
4-Chloroaniline	ND	ug/kg	849	1	09/29/20 13:22	09/30/20 19:14	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/kg	425	1	09/29/20 13:22	09/30/20 19:14	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/kg	425	1	09/29/20 13:22	09/30/20 19:14	111-44-4	
bis(2-Chloroisopropyl) ether	ND	ug/kg	425	1	09/29/20 13:22	09/30/20 19:14	108-60-1	
2-Chloronaphthalene	ND	ug/kg	425	1	09/29/20 13:22	09/30/20 19:14	91-58-7	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: PINE LAWN

Pace Project No.: 60349234

Sample: DPT-6-SO-(15-16) **Lab ID: 60349234001** Collected: 09/22/20 09:25 Received: 09/23/20 04:59 Matrix: Solid

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

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Semivolatiles		Analytical Method: EPA 8270 Preparation Method: EPA 3546 Pace Analytical Services - Kansas City						
2-Chlorophenol	ND	ug/kg	425	1	09/29/20 13:22	09/30/20 19:14	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/kg	425	1	09/29/20 13:22	09/30/20 19:14	7005-72-3	
Chrysene	ND	ug/kg	425	1	09/29/20 13:22	09/30/20 19:14	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	425	1	09/29/20 13:22	09/30/20 19:14	53-70-3	
Dibenzofuran	ND	ug/kg	425	1	09/29/20 13:22	09/30/20 19:14	132-64-9	
1,2-Dichlorobenzene	ND	ug/kg	425	1	09/29/20 13:22	09/30/20 19:14	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	425	1	09/29/20 13:22	09/30/20 19:14	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	425	1	09/29/20 13:22	09/30/20 19:14	106-46-7	
3,3'-Dichlorobenzidine	ND	ug/kg	849	1	09/29/20 13:22	09/30/20 19:14	91-94-1	
2,4-Dichlorophenol	ND	ug/kg	425	1	09/29/20 13:22	09/30/20 19:14	120-83-2	
Diethylphthalate	ND	ug/kg	425	1	09/29/20 13:22	09/30/20 19:14	84-66-2	
2,4-Dimethylphenol	ND	ug/kg	425	1	09/29/20 13:22	09/30/20 19:14	105-67-9	
Dimethylphthalate	ND	ug/kg	425	1	09/29/20 13:22	09/30/20 19:14	131-11-3	
Di-n-butylphthalate	ND	ug/kg	425	1	09/29/20 13:22	09/30/20 19:14	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/kg	2150	1	09/29/20 13:22	09/30/20 19:14	534-52-1	
2,4-Dinitrophenol	ND	ug/kg	2150	1	09/29/20 13:22	09/30/20 19:14	51-28-5	
2,4-Dinitrotoluene	ND	ug/kg	425	1	09/29/20 13:22	09/30/20 19:14	121-14-2	
2,6-Dinitrotoluene	ND	ug/kg	425	1	09/29/20 13:22	09/30/20 19:14	606-20-2	
Di-n-octylphthalate	ND	ug/kg	425	1	09/29/20 13:22	09/30/20 19:14	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/kg	425	1	09/29/20 13:22	09/30/20 19:14	117-81-7	
Fluoranthene	ND	ug/kg	425	1	09/29/20 13:22	09/30/20 19:14	206-44-0	
Fluorene	ND	ug/kg	425	1	09/29/20 13:22	09/30/20 19:14	86-73-7	
Hexachloro-1,3-butadiene	ND	ug/kg	425	1	09/29/20 13:22	09/30/20 19:14	87-68-3	
Hexachlorobenzene	ND	ug/kg	425	1	09/29/20 13:22	09/30/20 19:14	118-74-1	
Hexachlorocyclopentadiene	ND	ug/kg	425	1	09/29/20 13:22	09/30/20 19:14	77-47-4	
Hexachloroethane	ND	ug/kg	425	1	09/29/20 13:22	09/30/20 19:14	67-72-1	
Indeno(1,2,3-cd)pyrene	ND	ug/kg	425	1	09/29/20 13:22	09/30/20 19:14	193-39-5	
Isophorone	ND	ug/kg	425	1	09/29/20 13:22	09/30/20 19:14	78-59-1	
2-Methylnaphthalene	ND	ug/kg	425	1	09/29/20 13:22	09/30/20 19:14	91-57-6	
2-Methylphenol(o-Cresol)	ND	ug/kg	425	1	09/29/20 13:22	09/30/20 19:14	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/kg	425	1	09/29/20 13:22	09/30/20 19:14	15831-10-4	
Naphthalene	ND	ug/kg	425	1	09/29/20 13:22	09/30/20 19:14	91-20-3	
2-Nitroaniline	ND	ug/kg	849	1	09/29/20 13:22	09/30/20 19:14	88-74-4	
3-Nitroaniline	ND	ug/kg	849	1	09/29/20 13:22	09/30/20 19:14	99-09-2	
4-Nitroaniline	ND	ug/kg	849	1	09/29/20 13:22	09/30/20 19:14	100-01-6	
Nitrobenzene	ND	ug/kg	425	1	09/29/20 13:22	09/30/20 19:14	98-95-3	
2-Nitrophenol	ND	ug/kg	425	1	09/29/20 13:22	09/30/20 19:14	88-75-5	
4-Nitrophenol	ND	ug/kg	2150	1	09/29/20 13:22	09/30/20 19:14	100-02-7	
N-Nitroso-di-n-propylamine	ND	ug/kg	425	1	09/29/20 13:22	09/30/20 19:14	621-64-7	
N-Nitrosodiphenylamine	ND	ug/kg	425	1	09/29/20 13:22	09/30/20 19:14	86-30-6	
Pentachlorophenol	ND	ug/kg	2150	1	09/29/20 13:22	09/30/20 19:14	87-86-5	
Phenanthrene	ND	ug/kg	425	1	09/29/20 13:22	09/30/20 19:14	85-01-8	
Phenol	ND	ug/kg	425	1	09/29/20 13:22	09/30/20 19:14	108-95-2	
Pyrene	ND	ug/kg	425	1	09/29/20 13:22	09/30/20 19:14	129-00-0	
Pyridine	ND	ug/kg	425	1	09/29/20 13:22	09/30/20 19:14	110-86-1	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: PINE LAWN

Pace Project No.: 60349234

Sample: DPT-6-SO-(15-16) **Lab ID:** 60349234001 **Collected:** 09/22/20 09:25 **Received:** 09/23/20 04:59 **Matrix:** Solid

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

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Semivolatiles								
Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Pace Analytical Services - Kansas City								
1,2,4-Trichlorobenzene	ND	ug/kg	425	1	09/29/20 13:22	09/30/20 19:14	120-82-1	
2,4,5-Trichlorophenol	ND	ug/kg	425	1	09/29/20 13:22	09/30/20 19:14	95-95-4	
2,4,6-Trichlorophenol	ND	ug/kg	425	1	09/29/20 13:22	09/30/20 19:14	88-06-2	
Surrogates								
Nitrobenzene-d5 (S)	66	%	33-132	1	09/29/20 13:22	09/30/20 19:14	4165-60-0	
2-Fluorobiphenyl (S)	65	%	39-136	1	09/29/20 13:22	09/30/20 19:14	321-60-8	
Terphenyl-d14 (S)	70	%	29-131	1	09/29/20 13:22	09/30/20 19:14	1718-51-0	
Phenol-d6 (S)	65	%	43-95	1	09/29/20 13:22	09/30/20 19:14	13127-88-3	
2-Fluorophenol (S)	65	%	43-96	1	09/29/20 13:22	09/30/20 19:14	367-12-4	
2,4,6-Tribromophenol (S)	65	%	41-108	1	09/29/20 13:22	09/30/20 19:14	118-79-6	
8270 MSSV DRO/ORO								
Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Pace Analytical Services - Kansas City								
TPH-ORO	ND	mg/kg	37.0	1	09/28/20 12:36	10/01/20 21:35		
TPH-DRO	ND	mg/kg	37.0	1	09/28/20 12:36	10/01/20 21:35		
Surrogates								
Nitrobenzene-d5 (S)	74	%	33-132	1	09/28/20 12:36	10/01/20 21:35	4165-60-0	
2-Fluorobiphenyl (S)	78	%	39-136	1	09/28/20 12:36	10/01/20 21:35	321-60-8	
Terphenyl-d14 (S)	78	%	29-131	1	09/28/20 12:36	10/01/20 21:35	1718-51-0	
8260 MSV 5035A VOA								
Analytical Method: EPA 8260B Preparation Method: EPA 5035A/5030								
Pace Analytical Services - Kansas City								
Acetone	ND	ug/kg	19.1	1	09/24/20 16:10	09/25/20 00:32	67-64-1	
Benzene	ND	ug/kg	4.8	1	09/24/20 16:10	09/25/20 00:32	71-43-2	
Bromobenzene	ND	ug/kg	4.8	1	09/24/20 16:10	09/25/20 00:32	108-86-1	
Bromochloromethane	ND	ug/kg	4.8	1	09/24/20 16:10	09/25/20 00:32	74-97-5	
Bromodichloromethane	ND	ug/kg	4.8	1	09/24/20 16:10	09/25/20 00:32	75-27-4	
Bromoform	ND	ug/kg	4.8	1	09/24/20 16:10	09/25/20 00:32	75-25-2	
Bromomethane	ND	ug/kg	4.8	1	09/24/20 16:10	09/25/20 00:32	74-83-9	
2-Butanone (MEK)	ND	ug/kg	9.6	1	09/24/20 16:10	09/25/20 00:32	78-93-3	
n-Butylbenzene	ND	ug/kg	4.8	1	09/24/20 16:10	09/25/20 00:32	104-51-8	
sec-Butylbenzene	ND	ug/kg	4.8	1	09/24/20 16:10	09/25/20 00:32	135-98-8	
tert-Butylbenzene	ND	ug/kg	23.9	1	09/24/20 16:10	09/25/20 00:32	98-06-6	
Carbon disulfide	ND	ug/kg	4.8	1	09/24/20 16:10	09/25/20 00:32	75-15-0	
Carbon tetrachloride	ND	ug/kg	4.8	1	09/24/20 16:10	09/25/20 00:32	56-23-5	
Chlorobenzene	ND	ug/kg	4.8	1	09/24/20 16:10	09/25/20 00:32	108-90-7	
Chloroethane	ND	ug/kg	4.8	1	09/24/20 16:10	09/25/20 00:32	75-00-3	
Chloroform	ND	ug/kg	4.8	1	09/24/20 16:10	09/25/20 00:32	67-66-3	
Chloromethane	ND	ug/kg	4.8	1	09/24/20 16:10	09/25/20 00:32	74-87-3	
2-Chlorotoluene	ND	ug/kg	4.8	1	09/24/20 16:10	09/25/20 00:32	95-49-8	
4-Chlorotoluene	ND	ug/kg	4.8	1	09/24/20 16:10	09/25/20 00:32	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/kg	9.6	1	09/24/20 16:10	09/25/20 00:32	96-12-8	
Dibromochloromethane	ND	ug/kg	4.8	1	09/24/20 16:10	09/25/20 00:32	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	4.8	1	09/24/20 16:10	09/25/20 00:32	106-93-4	
Dibromomethane	ND	ug/kg	4.8	1	09/24/20 16:10	09/25/20 00:32	74-95-3	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: PINE LAWN

Pace Project No.: 60349234

Sample: DPT-6-SO-(15-16) Lab ID: 60349234001 Collected: 09/22/20 09:25 Received: 09/23/20 04:59 Matrix: Solid

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

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035A VOA	Analytical Method: EPA 8260B Preparation Method: EPA 5035A/5030 Pace Analytical Services - Kansas City							
1,2-Dichlorobenzene	ND	ug/kg	4.8	1	09/24/20 16:10	09/25/20 00:32	95-50-1	SS
1,3-Dichlorobenzene	ND	ug/kg	4.8	1	09/24/20 16:10	09/25/20 00:32	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	4.8	1	09/24/20 16:10	09/25/20 00:32	106-46-7	
Dichlorodifluoromethane	ND	ug/kg	4.8	1	09/24/20 16:10	09/25/20 00:32	75-71-8	
1,1-Dichloroethane	ND	ug/kg	4.8	1	09/24/20 16:10	09/25/20 00:32	75-34-3	
1,2-Dichloroethane	ND	ug/kg	4.8	1	09/24/20 16:10	09/25/20 00:32	107-06-2	
1,2-Dichloroethene (Total)	ND	ug/kg	4.8	1	09/24/20 16:10	09/25/20 00:32	540-59-0	
1,1-Dichloroethene	ND	ug/kg	4.8	1	09/24/20 16:10	09/25/20 00:32	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	4.8	1	09/24/20 16:10	09/25/20 00:32	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	4.8	1	09/24/20 16:10	09/25/20 00:32	156-60-5	
1,2-Dichloropropane	ND	ug/kg	4.8	1	09/24/20 16:10	09/25/20 00:32	78-87-5	
1,3-Dichloropropane	ND	ug/kg	4.8	1	09/24/20 16:10	09/25/20 00:32	142-28-9	
2,2-Dichloropropane	ND	ug/kg	4.8	1	09/24/20 16:10	09/25/20 00:32	594-20-7	
1,1-Dichloropropene	ND	ug/kg	4.8	1	09/24/20 16:10	09/25/20 00:32	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	4.8	1	09/24/20 16:10	09/25/20 00:32	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	4.8	1	09/24/20 16:10	09/25/20 00:32	10061-02-6	
Ethylbenzene	ND	ug/kg	4.8	1	09/24/20 16:10	09/25/20 00:32	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/kg	4.8	1	09/24/20 16:10	09/25/20 00:32	87-68-3	
2-Hexanone	ND	ug/kg	19.1	1	09/24/20 16:10	09/25/20 00:32	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/kg	4.8	1	09/24/20 16:10	09/25/20 00:32	98-82-8	
p-Isopropyltoluene	ND	ug/kg	4.8	1	09/24/20 16:10	09/25/20 00:32	99-87-6	
Methylene Chloride	ND	ug/kg	4.8	1	09/24/20 16:10	09/25/20 00:32	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	9.6	1	09/24/20 16:10	09/25/20 00:32	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	4.8	1	09/24/20 16:10	09/25/20 00:32	1634-04-4	
Naphthalene	ND	ug/kg	9.6	1	09/24/20 16:10	09/25/20 00:32	91-20-3	
n-Propylbenzene	ND	ug/kg	4.8	1	09/24/20 16:10	09/25/20 00:32	103-65-1	
Styrene	ND	ug/kg	4.8	1	09/24/20 16:10	09/25/20 00:32	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	4.8	1	09/24/20 16:10	09/25/20 00:32	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	4.8	1	09/24/20 16:10	09/25/20 00:32	79-34-5	
Tetrachloroethene	ND	ug/kg	4.8	1	09/24/20 16:10	09/25/20 00:32	127-18-4	
Toluene	ND	ug/kg	4.8	1	09/24/20 16:10	09/25/20 00:32	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	4.8	1	09/24/20 16:10	09/25/20 00:32	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	4.8	1	09/24/20 16:10	09/25/20 00:32	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	4.8	1	09/24/20 16:10	09/25/20 00:32	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	4.8	1	09/24/20 16:10	09/25/20 00:32	79-00-5	
Trichloroethene	ND	ug/kg	4.8	1	09/24/20 16:10	09/25/20 00:32	79-01-6	
Trichlorofluoromethane	ND	ug/kg	4.8	1	09/24/20 16:10	09/25/20 00:32	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	4.8	1	09/24/20 16:10	09/25/20 00:32	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/kg	4.8	1	09/24/20 16:10	09/25/20 00:32	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	4.8	1	09/24/20 16:10	09/25/20 00:32	108-67-8	
Vinyl chloride	ND	ug/kg	4.8	1	09/24/20 16:10	09/25/20 00:32	75-01-4	
Xylene (Total)	ND	ug/kg	4.8	1	09/24/20 16:10	09/25/20 00:32	1330-20-7	
Surrogates								
Toluene-d8 (S)	101	%	80-120	1	09/24/20 16:10	09/25/20 00:32	2037-26-5	
4-Bromofluorobenzene (S)	98	%	85-115	1	09/24/20 16:10	09/25/20 00:32	460-00-4	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: PINE LAWN

Pace Project No.: 60349234

Sample: DPT-6-SO-(15-16) **Lab ID:** 60349234001 **Collected:** 09/22/20 09:25 **Received:** 09/23/20 04:59 **Matrix:** Solid

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

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035A VOA								
Analytical Method: EPA 8260B Preparation Method: EPA 5035A/5030								
Pace Analytical Services - Kansas City								
Surrogates								
1,2-Dichloroethane-d4 (S)	101	%	78-118	1	09/24/20 16:10	09/25/20 00:32	17060-07-0	
8260 MSV GRO and Oxygenates								
Analytical Method: EPA 8260 Preparation Method: EPA 5035								
Pace Analytical Services - Kansas City								
TPH-GRO	ND	mg/kg	0.48	1	09/24/20 16:10	09/25/20 00:32		
Surrogates								
Toluene-d8 (S)	101	%	78-122	1	09/24/20 16:10	09/25/20 00:32	2037-26-5	
4-Bromofluorobenzene (S)	98	%	69-133	1	09/24/20 16:10	09/25/20 00:32	460-00-4	
1,2-Dichloroethane-d4 (S)	101	%	80-123	1	09/24/20 16:10	09/25/20 00:32	17060-07-0	
Percent Moisture								
Analytical Method: ASTM D2974								
Pace Analytical Services - Kansas City								
Percent Moisture	22.4	%	0.50	1		09/24/20 15:46		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: PINE LAWN

Pace Project No.: 60349234

Sample: DPT-5-GW-(15-20)		Lab ID: 60349234002	Collected: 09/22/20 09:30		Received: 09/23/20 04:59		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8082 GCS PCB, LV								
Analytical Method: EPA 8082 Preparation Method: EPA 3510								
Pace Analytical Services - Kansas City								
PCB-1016 (Aroclor 1016)	ND	ug/L	1.0	1	10/02/20 13:17	10/02/20 15:08	12674-11-2	
PCB-1221 (Aroclor 1221)	ND	ug/L	1.0	1	10/02/20 13:17	10/02/20 15:08	11104-28-2	
PCB-1232 (Aroclor 1232)	ND	ug/L	1.0	1	10/02/20 13:17	10/02/20 15:08	11141-16-5	
PCB-1242 (Aroclor 1242)	ND	ug/L	1.0	1	10/02/20 13:17	10/02/20 15:08	53469-21-9	
PCB-1248 (Aroclor 1248)	ND	ug/L	1.0	1	10/02/20 13:17	10/02/20 15:08	12672-29-6	
PCB-1254 (Aroclor 1254)	ND	ug/L	1.0	1	10/02/20 13:17	10/02/20 15:08	11097-69-1	
PCB-1260 (Aroclor 1260)	ND	ug/L	1.0	1	10/02/20 13:17	10/02/20 15:08	11096-82-5	
Surrogates								
Decachlorobiphenyl (S)	75	%	30-136	1	10/02/20 13:17	10/02/20 15:08	2051-24-3	
6010 MET ICP								
Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Pace Analytical Services - Kansas City								
Arsenic	74.4	ug/L	10.0	1	10/01/20 17:18	10/02/20 16:17	7440-38-2	
Barium	2200	ug/L	5.0	1	10/01/20 17:18	10/02/20 16:17	7440-39-3	
Cadmium	5.4	ug/L	5.0	1	10/01/20 17:18	10/02/20 16:17	7440-43-9	
Chromium	182	ug/L	5.0	1	10/01/20 17:18	10/02/20 16:17	7440-47-3	
Lead	438	ug/L	10.0	1	10/01/20 17:18	10/02/20 16:17	7439-92-1	
Selenium	ND	ug/L	15.0	1	10/01/20 17:18	10/05/20 12:20	7782-49-2	
Silver	ND	ug/L	7.0	1	10/01/20 17:18	10/02/20 16:17	7440-22-4	
6010 MET ICP, Dissolved								
Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Pace Analytical Services - Kansas City								
Arsenic, Dissolved	12.9	ug/L	10.0	1	10/01/20 17:18	10/02/20 15:48	7440-38-2	
Barium, Dissolved	213	ug/L	5.0	1	10/01/20 17:18	10/02/20 15:48	7440-39-3	
Cadmium, Dissolved	ND	ug/L	5.0	1	10/01/20 17:18	10/02/20 15:48	7440-43-9	
Chromium, Dissolved	ND	ug/L	5.0	1	10/01/20 17:18	10/02/20 15:48	7440-47-3	
Lead, Dissolved	ND	ug/L	10.0	1	10/01/20 17:18	10/02/20 15:48	7439-92-1	
Selenium, Dissolved	ND	ug/L	15.0	1	10/01/20 17:18	10/02/20 15:48	7782-49-2	
Silver, Dissolved	ND	ug/L	7.0	1	10/01/20 17:18	10/02/20 15:48	7440-22-4	
7470 Mercury								
Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Pace Analytical Services - Kansas City								
Mercury	0.61	ug/L	0.20	1	09/29/20 14:13	10/01/20 11:03	7439-97-6	
7470 Mercury, Dissolved								
Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Pace Analytical Services - Kansas City								
Mercury, Dissolved	ND	ug/L	0.20	1	09/29/20 14:13	10/01/20 10:08	7439-97-6	
8270 MSSV DRO/ORO								
Analytical Method: EPA 8270 Preparation Method: EPA 3510C								
Pace Analytical Services - Kansas City								
TPH-ORO	ND	mg/L	1.0	1	09/24/20 21:47	10/05/20 10:54		
TPH-DRO	ND	mg/L	1.0	1	09/24/20 21:47	10/05/20 10:54		
Surrogates								
Nitrobenzene-d5 (S)	66	%	27-106	1	09/24/20 21:47	10/05/20 10:54	4165-60-0	
2-Fluorobiphenyl (S)	69	%	29-108	1	09/24/20 21:47	10/05/20 10:54	321-60-8	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: PINE LAWN

Pace Project No.: 60349234

Sample: DPT-5-GW-(15-20)		Lab ID: 60349234002		Collected: 09/22/20 09:30		Received: 09/23/20 04:59		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
8270 MSSV DRO/ORO		Analytical Method: EPA 8270 Preparation Method: EPA 3510C Pace Analytical Services - Kansas City							
Surrogates									
Terphenyl-d14 (S)	92	%	34-129	1	09/24/20 21:47	10/05/20 10:54	1718-51-0		
8270 MSSV Semivolatile Organic		Analytical Method: EPA 8270 Preparation Method: EPA 3510 Pace Analytical Services - Kansas City							
Acenaphthene	ND	ug/L	10.0	1	09/28/20 22:11	09/30/20 10:28	83-32-9		
Acenaphthylene	ND	ug/L	10.0	1	09/28/20 22:11	09/30/20 10:28	208-96-8		
Anthracene	ND	ug/L	10.0	1	09/28/20 22:11	09/30/20 10:28	120-12-7		
Benzo(a)anthracene	ND	ug/L	10.0	1	09/28/20 22:11	09/30/20 10:28	56-55-3		
Benzo(a)pyrene	ND	ug/L	10.0	1	09/28/20 22:11	09/30/20 10:28	50-32-8		
Benzo(b)fluoranthene	ND	ug/L	10.0	1	09/28/20 22:11	09/30/20 10:28	205-99-2		
Benzo(g,h,i)perylene	ND	ug/L	10.0	1	09/28/20 22:11	09/30/20 10:28	191-24-2		
Benzo(k)fluoranthene	ND	ug/L	10.0	1	09/28/20 22:11	09/30/20 10:28	207-08-9		
Benzoic Acid	ND	ug/L	50.0	1	09/28/20 22:11	09/30/20 10:28	65-85-0		
Benzyl alcohol	ND	ug/L	20.0	1	09/28/20 22:11	09/30/20 10:28	100-51-6		
4-Bromophenylphenyl ether	ND	ug/L	10.0	1	09/28/20 22:11	09/30/20 10:28	101-55-3		
Butylbenzylphthalate	ND	ug/L	20.0	1	09/28/20 22:11	09/30/20 10:28	85-68-7		
Carbazole	ND	ug/L	10.0	1	09/28/20 22:11	09/30/20 10:28	86-74-8		
4-Chloro-3-methylphenol	ND	ug/L	20.0	1	09/28/20 22:11	09/30/20 10:28	59-50-7		
4-Chloroaniline	ND	ug/L	20.0	1	09/28/20 22:11	09/30/20 10:28	106-47-8		
bis(2-Chloroethoxy)methane	ND	ug/L	10.0	1	09/28/20 22:11	09/30/20 10:28	111-91-1		
bis(2-Chloroethyl) ether	ND	ug/L	10.0	1	09/28/20 22:11	09/30/20 10:28	111-44-4		
bis(2-Chloroisopropyl) ether	ND	ug/L	10.0	1	09/28/20 22:11	09/30/20 10:28	108-60-1		
2-Chloronaphthalene	ND	ug/L	10.0	1	09/28/20 22:11	09/30/20 10:28	91-58-7		
2-Chlorophenol	ND	ug/L	10.0	1	09/28/20 22:11	09/30/20 10:28	95-57-8		
4-Chlorophenylphenyl ether	ND	ug/L	10.0	1	09/28/20 22:11	09/30/20 10:28	7005-72-3		
Chrysene	ND	ug/L	10.0	1	09/28/20 22:11	09/30/20 10:28	218-01-9		
Dibenz(a,h)anthracene	ND	ug/L	10.0	1	09/28/20 22:11	09/30/20 10:28	53-70-3		
Dibenzofuran	ND	ug/L	10.0	1	09/28/20 22:11	09/30/20 10:28	132-64-9		
1,2-Dichlorobenzene	ND	ug/L	10.0	1	09/28/20 22:11	09/30/20 10:28	95-50-1		
1,3-Dichlorobenzene	ND	ug/L	10.0	1	09/28/20 22:11	09/30/20 10:28	541-73-1		
1,4-Dichlorobenzene	ND	ug/L	10.0	1	09/28/20 22:11	09/30/20 10:28	106-46-7		
3,3'-Dichlorobenzidine	ND	ug/L	20.0	1	09/28/20 22:11	09/30/20 10:28	91-94-1		
2,4-Dichlorophenol	ND	ug/L	10.0	1	09/28/20 22:11	09/30/20 10:28	120-83-2		
Diethylphthalate	ND	ug/L	10.0	1	09/28/20 22:11	09/30/20 10:28	84-66-2		
2,4-Dimethylphenol	ND	ug/L	10.0	1	09/28/20 22:11	09/30/20 10:28	105-67-9		
Dimethylphthalate	ND	ug/L	10.0	1	09/28/20 22:11	09/30/20 10:28	131-11-3		
Di-n-butylphthalate	ND	ug/L	10.0	1	09/28/20 22:11	09/30/20 10:28	84-74-2		
4,6-Dinitro-2-methylphenol	ND	ug/L	50.0	1	09/28/20 22:11	09/30/20 10:28	534-52-1		
2,4-Dinitrophenol	ND	ug/L	50.0	1	09/28/20 22:11	09/30/20 10:28	51-28-5		
2,4-Dinitrotoluene	ND	ug/L	10.0	1	09/28/20 22:11	09/30/20 10:28	121-14-2		
2,6-Dinitrotoluene	ND	ug/L	10.0	1	09/28/20 22:11	09/30/20 10:28	606-20-2		
Di-n-octylphthalate	ND	ug/L	10.0	1	09/28/20 22:11	09/30/20 10:28	117-84-0		
bis(2-Ethylhexyl)phthalate	ND	ug/L	20.0	1	09/28/20 22:11	09/30/20 10:28	117-81-7		
Fluoranthene	ND	ug/L	10.0	1	09/28/20 22:11	09/30/20 10:28	206-44-0		
Fluorene	ND	ug/L	10.0	1	09/28/20 22:11	09/30/20 10:28	86-73-7		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: PINE LAWN

Pace Project No.: 60349234

Sample: DPT-5-GW-(15-20)		Lab ID: 60349234002		Collected: 09/22/20 09:30		Received: 09/23/20 04:59		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
8270 MSSV Semivolatile Organic	Analytical Method: EPA 8270 Preparation Method: EPA 3510								
	Pace Analytical Services - Kansas City								
Hexachloro-1,3-butadiene	ND	ug/L	10.0	1	09/28/20 22:11	09/30/20 10:28	87-68-3	S3	
Hexachlorobenzene	ND	ug/L	10.0	1	09/28/20 22:11	09/30/20 10:28	118-74-1		
Hexachlorocyclopentadiene	ND	ug/L	10.0	1	09/28/20 22:11	09/30/20 10:28	77-47-4		
Hexachloroethane	ND	ug/L	10.0	1	09/28/20 22:11	09/30/20 10:28	67-72-1		
Indeno(1,2,3-cd)pyrene	ND	ug/L	10.0	1	09/28/20 22:11	09/30/20 10:28	193-39-5		
Isophorone	ND	ug/L	10.0	1	09/28/20 22:11	09/30/20 10:28	78-59-1		
2-Methylnaphthalene	ND	ug/L	10.0	1	09/28/20 22:11	09/30/20 10:28	91-57-6		
2-Methylphenol(o-Cresol)	ND	ug/L	10.0	1	09/28/20 22:11	09/30/20 10:28	95-48-7		
3&4-Methylphenol(m&p Cresol)	ND	ug/L	10.0	1	09/28/20 22:11	09/30/20 10:28	15831-10-4		
Naphthalene	ND	ug/L	10.0	1	09/28/20 22:11	09/30/20 10:28	91-20-3		
2-Nitroaniline	ND	ug/L	50.0	1	09/28/20 22:11	09/30/20 10:28	88-74-4		
3-Nitroaniline	ND	ug/L	50.0	1	09/28/20 22:11	09/30/20 10:28	99-09-2		
4-Nitroaniline	ND	ug/L	50.0	1	09/28/20 22:11	09/30/20 10:28	100-01-6		
Nitrobenzene	ND	ug/L	10.0	1	09/28/20 22:11	09/30/20 10:28	98-95-3		
2-Nitrophenol	ND	ug/L	10.0	1	09/28/20 22:11	09/30/20 10:28	88-75-5		
4-Nitrophenol	ND	ug/L	50.0	1	09/28/20 22:11	09/30/20 10:28	100-02-7		
N-Nitroso-di-n-propylamine	ND	ug/L	10.0	1	09/28/20 22:11	09/30/20 10:28	621-64-7		
N-Nitrosodiphenylamine	ND	ug/L	10.0	1	09/28/20 22:11	09/30/20 10:28	86-30-6		
Pentachlorophenol	ND	ug/L	50.0	1	09/28/20 22:11	09/30/20 10:28	87-86-5		
Phenanthrene	ND	ug/L	10.0	1	09/28/20 22:11	09/30/20 10:28	85-01-8		
Phenol	ND	ug/L	10.0	1	09/28/20 22:11	09/30/20 10:28	108-95-2		
Pyrene	ND	ug/L	10.0	1	09/28/20 22:11	09/30/20 10:28	129-00-0		
Pyridine	ND	ug/L	10.0	1	09/28/20 22:11	09/30/20 10:28	110-86-1		
1,2,4-Trichlorobenzene	ND	ug/L	10.0	1	09/28/20 22:11	09/30/20 10:28	120-82-1		
2,4,5-Trichlorophenol	ND	ug/L	50.0	1	09/28/20 22:11	09/30/20 10:28	95-95-4		
2,4,6-Trichlorophenol	ND	ug/L	10.0	1	09/28/20 22:11	09/30/20 10:28	88-06-2		
Surrogates									
Nitrobenzene-d5 (S)	101	%	27-106	1	09/28/20 22:11	09/30/20 10:28	4165-60-0		
2-Fluorobiphenyl (S)	100	%	29-108	1	09/28/20 22:11	09/30/20 10:28	321-60-8		
Terphenyl-d14 (S)	143	%	34-129	1	09/28/20 22:11	09/30/20 10:28	1718-51-0		
Phenol-d6 (S)	42	%	10-44	1	09/28/20 22:11	09/30/20 10:28	13127-88-3		
2-Fluorophenol (S)	63	%	11-64	1	09/28/20 22:11	09/30/20 10:28	367-12-4		
2,4,6-Tribromophenol (S)	109	%	16-114	1	09/28/20 22:11	09/30/20 10:28	118-79-6		
8260 MSV	Analytical Method: EPA 5030B/8260								
	Pace Analytical Services - Kansas City								
Acetone	ND	ug/L	10.0	1		09/25/20 14:47	67-64-1		
Benzene	ND	ug/L	1.0	1		09/25/20 14:47	71-43-2		
Bromobenzene	ND	ug/L	1.0	1		09/25/20 14:47	108-86-1		
Bromochloromethane	ND	ug/L	1.0	1		09/25/20 14:47	74-97-5		
Bromodichloromethane	ND	ug/L	1.0	1		09/25/20 14:47	75-27-4		
Bromoform	ND	ug/L	1.0	1		09/25/20 14:47	75-25-2		
Bromomethane	ND	ug/L	5.0	1		09/25/20 14:47	74-83-9		
2-Butanone (MEK)	ND	ug/L	10.0	1		09/25/20 14:47	78-93-3		
n-Butylbenzene	ND	ug/L	1.0	1		09/25/20 14:47	104-51-8		
sec-Butylbenzene	ND	ug/L	1.0	1		09/25/20 14:47	135-98-8		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: PINE LAWN

Pace Project No.: 60349234

Sample: DPT-5-GW-(15-20)		Lab ID: 60349234002	Collected: 09/22/20 09:30	Received: 09/23/20 04:59	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 5030B/8260						
		Pace Analytical Services - Kansas City						
tert-Butylbenzene	ND	ug/L	1.0	1		09/25/20 14:47	98-06-6	
Carbon disulfide	ND	ug/L	5.0	1		09/25/20 14:47	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	1		09/25/20 14:47	56-23-5	
Chlorobenzene	ND	ug/L	1.0	1		09/25/20 14:47	108-90-7	
Chloroethane	ND	ug/L	1.0	1		09/25/20 14:47	75-00-3	
Chloroform	ND	ug/L	1.0	1		09/25/20 14:47	67-66-3	
Chloromethane	ND	ug/L	1.0	1		09/25/20 14:47	74-87-3	
2-Chlorotoluene	ND	ug/L	1.0	1		09/25/20 14:47	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	1		09/25/20 14:47	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	2.5	1		09/25/20 14:47	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	1		09/25/20 14:47	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	1		09/25/20 14:47	106-93-4	
Dibromomethane	ND	ug/L	1.0	1		09/25/20 14:47	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	1		09/25/20 14:47	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	1		09/25/20 14:47	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	1		09/25/20 14:47	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	1		09/25/20 14:47	75-71-8	L2
1,1-Dichloroethane	ND	ug/L	1.0	1		09/25/20 14:47	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	1		09/25/20 14:47	107-06-2	
1,2-Dichloroethene (Total)	ND	ug/L	1.0	1		09/25/20 14:47	540-59-0	
1,1-Dichloroethene	ND	ug/L	1.0	1		09/25/20 14:47	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	1		09/25/20 14:47	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		09/25/20 14:47	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	1		09/25/20 14:47	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	1		09/25/20 14:47	142-28-9	
2,2-Dichloropropane	ND	ug/L	1.0	1		09/25/20 14:47	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	1		09/25/20 14:47	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	1.0	1		09/25/20 14:47	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	1		09/25/20 14:47	10061-02-6	
Ethylbenzene	ND	ug/L	1.0	1		09/25/20 14:47	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	1.0	1		09/25/20 14:47	87-68-3	
2-Hexanone	ND	ug/L	10.0	1		09/25/20 14:47	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	1.0	1		09/25/20 14:47	98-82-8	
p-Isopropyltoluene	ND	ug/L	1.0	1		09/25/20 14:47	99-87-6	
Methylene Chloride	ND	ug/L	1.0	1		09/25/20 14:47	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	10.0	1		09/25/20 14:47	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	1.0	1		09/25/20 14:47	1634-04-4	
Naphthalene	ND	ug/L	10.0	1		09/25/20 14:47	91-20-3	
n-Propylbenzene	ND	ug/L	1.0	1		09/25/20 14:47	103-65-1	
Styrene	ND	ug/L	1.0	1		09/25/20 14:47	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	1		09/25/20 14:47	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	1		09/25/20 14:47	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	1		09/25/20 14:47	127-18-4	
Toluene	ND	ug/L	1.0	1		09/25/20 14:47	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	1		09/25/20 14:47	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	1		09/25/20 14:47	120-82-1	

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ANALYTICAL RESULTS

Project: PINE LAWN

Pace Project No.: 60349234

Sample: DPT-5-GW-(15-20)		Lab ID: 60349234002		Collected: 09/22/20 09:30		Received: 09/23/20 04:59		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
8260 MSV									
Analytical Method: EPA 5030B/8260									
Pace Analytical Services - Kansas City									
1,1,1-Trichloroethane	ND	ug/L	1.0	1		09/25/20 14:47	71-55-6		
1,1,2-Trichloroethane	ND	ug/L	1.0	1		09/25/20 14:47	79-00-5		
Trichloroethene	ND	ug/L	1.0	1		09/25/20 14:47	79-01-6		
Trichlorofluoromethane	ND	ug/L	1.0	1		09/25/20 14:47	75-69-4		
1,2,3-Trichloropropane	ND	ug/L	2.5	1		09/25/20 14:47	96-18-4		
1,2,4-Trimethylbenzene	ND	ug/L	1.0	1		09/25/20 14:47	95-63-6		
1,3,5-Trimethylbenzene	ND	ug/L	1.0	1		09/25/20 14:47	108-67-8		
Vinyl chloride	ND	ug/L	1.0	1		09/25/20 14:47	75-01-4		
Xylene (Total)	ND	ug/L	3.0	1		09/25/20 14:47	1330-20-7		
Surrogates									
4-Bromofluorobenzene (S)	99	%	80-120	1		09/25/20 14:47	460-00-4		
1,2-Dichloroethane-d4 (S)	100	%	86-117	1		09/25/20 14:47	17060-07-0		
Toluene-d8 (S)	98	%	80-120	1		09/25/20 14:47	2037-26-5		
Preservation pH	1.0		0.10	1		09/25/20 14:47			
8260 MSV GRO and Oxygenates									
Analytical Method: EPA 8260									
Pace Analytical Services - Kansas City									
TPH-GRO	ND	ug/L	500	1		09/25/20 14:47			
Surrogates									
Toluene-d8 (S)	98	%	80-120	1		09/25/20 14:47	2037-26-5		
4-Bromofluorobenzene (S)	99	%	80-120	1		09/25/20 14:47	460-00-4		
1,2-Dichloroethane-d4 (S)	100	%	86-117	1		09/25/20 14:47	17060-07-0		
Preservation pH	1.0		0.10	1		09/25/20 14:47			

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: PINE LAWN

Pace Project No.: 60349234

Sample: DPT-6-GW-(15-20)		Lab ID: 60349234003		Collected: 09/22/20 10:11		Received: 09/23/20 04:59		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
8082 GCS PCB, LV									
Analytical Method: EPA 8082 Preparation Method: EPA 3510									
Pace Analytical Services - Kansas City									
PCB-1016 (Aroclor 1016)	ND	ug/L	1.0	1	10/02/20 13:17	10/02/20 15:15	12674-11-2		
PCB-1221 (Aroclor 1221)	ND	ug/L	1.0	1	10/02/20 13:17	10/02/20 15:15	11104-28-2		
PCB-1232 (Aroclor 1232)	ND	ug/L	1.0	1	10/02/20 13:17	10/02/20 15:15	11141-16-5		
PCB-1242 (Aroclor 1242)	ND	ug/L	1.0	1	10/02/20 13:17	10/02/20 15:15	53469-21-9		
PCB-1248 (Aroclor 1248)	ND	ug/L	1.0	1	10/02/20 13:17	10/02/20 15:15	12672-29-6		
PCB-1254 (Aroclor 1254)	ND	ug/L	1.0	1	10/02/20 13:17	10/02/20 15:15	11097-69-1		
PCB-1260 (Aroclor 1260)	ND	ug/L	1.0	1	10/02/20 13:17	10/02/20 15:15	11096-82-5		
Surrogates									
Decachlorobiphenyl (S)	76	%	30-136	1	10/02/20 13:17	10/02/20 15:15	2051-24-3		
6010 MET ICP									
Analytical Method: EPA 6010 Preparation Method: EPA 3010									
Pace Analytical Services - Kansas City									
Arsenic	32.7	ug/L	10.0	1	10/01/20 17:18	10/02/20 16:20	7440-38-2		
Barium	490	ug/L	5.0	1	10/01/20 17:18	10/02/20 16:20	7440-39-3		
Cadmium	ND	ug/L	5.0	1	10/01/20 17:18	10/02/20 16:20	7440-43-9		
Chromium	52.5	ug/L	5.0	1	10/01/20 17:18	10/02/20 16:20	7440-47-3		
Lead	91.1	ug/L	10.0	1	10/01/20 17:18	10/02/20 16:20	7439-92-1		
Selenium	ND	ug/L	15.0	1	10/01/20 17:18	10/02/20 16:20	7782-49-2		
Silver	ND	ug/L	7.0	1	10/01/20 17:18	10/02/20 16:20	7440-22-4		
6010 MET ICP, Dissolved									
Analytical Method: EPA 6010 Preparation Method: EPA 3010									
Pace Analytical Services - Kansas City									
Arsenic, Dissolved	ND	ug/L	10.0	1	10/01/20 17:18	10/02/20 15:50	7440-38-2		
Barium, Dissolved	267	ug/L	5.0	1	10/01/20 17:18	10/02/20 15:50	7440-39-3		
Cadmium, Dissolved	ND	ug/L	5.0	1	10/01/20 17:18	10/02/20 15:50	7440-43-9		
Chromium, Dissolved	ND	ug/L	5.0	1	10/01/20 17:18	10/02/20 15:50	7440-47-3		
Lead, Dissolved	ND	ug/L	10.0	1	10/01/20 17:18	10/02/20 15:50	7439-92-1		
Selenium, Dissolved	ND	ug/L	15.0	1	10/01/20 17:18	10/02/20 15:50	7782-49-2		
Silver, Dissolved	ND	ug/L	7.0	1	10/01/20 17:18	10/02/20 15:50	7440-22-4		
7470 Mercury									
Analytical Method: EPA 7470 Preparation Method: EPA 7470									
Pace Analytical Services - Kansas City									
Mercury	ND	ug/L	0.20	1	09/29/20 14:13	10/01/20 11:06	7439-97-6		
7470 Mercury, Dissolved									
Analytical Method: EPA 7470 Preparation Method: EPA 7470									
Pace Analytical Services - Kansas City									
Mercury, Dissolved	ND	ug/L	0.20	1	09/29/20 14:13	10/01/20 10:11	7439-97-6		
8270 MSSV DRO/ORO									
Analytical Method: EPA 8270 Preparation Method: EPA 3510C									
Pace Analytical Services - Kansas City									
TPH-ORO	ND	mg/L	1.0	1	09/24/20 21:47	10/05/20 11:14			
TPH-DRO	ND	mg/L	1.0	1	09/24/20 21:47	10/05/20 11:14			
Surrogates									
Nitrobenzene-d5 (S)	63	%	27-106	1	09/24/20 21:47	10/05/20 11:14	4165-60-0		
2-Fluorobiphenyl (S)	64	%	29-108	1	09/24/20 21:47	10/05/20 11:14	321-60-8		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: PINE LAWN

Pace Project No.: 60349234

Sample: DPT-6-GW-(15-20)		Lab ID: 60349234003		Collected: 09/22/20 10:11		Received: 09/23/20 04:59		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
8270 MSSV DRO/ORO		Analytical Method: EPA 8270 Preparation Method: EPA 3510C Pace Analytical Services - Kansas City							
Surrogates									
Terphenyl-d14 (S)	85	%	34-129	1	09/24/20 21:47	10/05/20 11:14	1718-51-0		
8270 MSSV Semivolatile Organic		Analytical Method: EPA 8270 Preparation Method: EPA 3510 Pace Analytical Services - Kansas City							
Acenaphthene	ND	ug/L	10.0	1	09/28/20 22:11	09/30/20 10:51	83-32-9		
Acenaphthylene	ND	ug/L	10.0	1	09/28/20 22:11	09/30/20 10:51	208-96-8		
Anthracene	ND	ug/L	10.0	1	09/28/20 22:11	09/30/20 10:51	120-12-7		
Benzo(a)anthracene	ND	ug/L	10.0	1	09/28/20 22:11	09/30/20 10:51	56-55-3		
Benzo(a)pyrene	ND	ug/L	10.0	1	09/28/20 22:11	09/30/20 10:51	50-32-8		
Benzo(b)fluoranthene	ND	ug/L	10.0	1	09/28/20 22:11	09/30/20 10:51	205-99-2		
Benzo(g,h,i)perylene	ND	ug/L	10.0	1	09/28/20 22:11	09/30/20 10:51	191-24-2		
Benzo(k)fluoranthene	ND	ug/L	10.0	1	09/28/20 22:11	09/30/20 10:51	207-08-9		
Benzoic Acid	ND	ug/L	50.0	1	09/28/20 22:11	09/30/20 10:51	65-85-0		
Benzyl alcohol	ND	ug/L	20.0	1	09/28/20 22:11	09/30/20 10:51	100-51-6		
4-Bromophenylphenyl ether	ND	ug/L	10.0	1	09/28/20 22:11	09/30/20 10:51	101-55-3		
Butylbenzylphthalate	ND	ug/L	20.0	1	09/28/20 22:11	09/30/20 10:51	85-68-7		
Carbazole	ND	ug/L	10.0	1	09/28/20 22:11	09/30/20 10:51	86-74-8		
4-Chloro-3-methylphenol	ND	ug/L	20.0	1	09/28/20 22:11	09/30/20 10:51	59-50-7		
4-Chloroaniline	ND	ug/L	20.0	1	09/28/20 22:11	09/30/20 10:51	106-47-8		
bis(2-Chloroethoxy)methane	ND	ug/L	10.0	1	09/28/20 22:11	09/30/20 10:51	111-91-1		
bis(2-Chloroethyl) ether	ND	ug/L	10.0	1	09/28/20 22:11	09/30/20 10:51	111-44-4		
bis(2-Chloroisopropyl) ether	ND	ug/L	10.0	1	09/28/20 22:11	09/30/20 10:51	108-60-1		
2-Chloronaphthalene	ND	ug/L	10.0	1	09/28/20 22:11	09/30/20 10:51	91-58-7		
2-Chlorophenol	ND	ug/L	10.0	1	09/28/20 22:11	09/30/20 10:51	95-57-8		
4-Chlorophenylphenyl ether	ND	ug/L	10.0	1	09/28/20 22:11	09/30/20 10:51	7005-72-3		
Chrysene	ND	ug/L	10.0	1	09/28/20 22:11	09/30/20 10:51	218-01-9		
Dibenz(a,h)anthracene	ND	ug/L	10.0	1	09/28/20 22:11	09/30/20 10:51	53-70-3		
Dibenzofuran	ND	ug/L	10.0	1	09/28/20 22:11	09/30/20 10:51	132-64-9		
1,2-Dichlorobenzene	ND	ug/L	10.0	1	09/28/20 22:11	09/30/20 10:51	95-50-1		
1,3-Dichlorobenzene	ND	ug/L	10.0	1	09/28/20 22:11	09/30/20 10:51	541-73-1		
1,4-Dichlorobenzene	ND	ug/L	10.0	1	09/28/20 22:11	09/30/20 10:51	106-46-7		
3,3'-Dichlorobenzidine	ND	ug/L	20.0	1	09/28/20 22:11	09/30/20 10:51	91-94-1		
2,4-Dichlorophenol	ND	ug/L	10.0	1	09/28/20 22:11	09/30/20 10:51	120-83-2		
Diethylphthalate	ND	ug/L	10.0	1	09/28/20 22:11	09/30/20 10:51	84-66-2		
2,4-Dimethylphenol	ND	ug/L	10.0	1	09/28/20 22:11	09/30/20 10:51	105-67-9		
Dimethylphthalate	ND	ug/L	10.0	1	09/28/20 22:11	09/30/20 10:51	131-11-3		
Di-n-butylphthalate	ND	ug/L	10.0	1	09/28/20 22:11	09/30/20 10:51	84-74-2		
4,6-Dinitro-2-methylphenol	ND	ug/L	50.0	1	09/28/20 22:11	09/30/20 10:51	534-52-1		
2,4-Dinitrophenol	ND	ug/L	50.0	1	09/28/20 22:11	09/30/20 10:51	51-28-5		
2,4-Dinitrotoluene	ND	ug/L	10.0	1	09/28/20 22:11	09/30/20 10:51	121-14-2		
2,6-Dinitrotoluene	ND	ug/L	10.0	1	09/28/20 22:11	09/30/20 10:51	606-20-2		
Di-n-octylphthalate	ND	ug/L	10.0	1	09/28/20 22:11	09/30/20 10:51	117-84-0		
bis(2-Ethylhexyl)phthalate	ND	ug/L	20.0	1	09/28/20 22:11	09/30/20 10:51	117-81-7		
Fluoranthene	ND	ug/L	10.0	1	09/28/20 22:11	09/30/20 10:51	206-44-0		
Fluorene	ND	ug/L	10.0	1	09/28/20 22:11	09/30/20 10:51	86-73-7		

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ANALYTICAL RESULTS

Project: PINE LAWN

Pace Project No.: 60349234

Sample: DPT-6-GW-(15-20)		Lab ID: 60349234003		Collected: 09/22/20 10:11		Received: 09/23/20 04:59		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
8270 MSSV Semivolatile Organic									
Analytical Method: EPA 8270 Preparation Method: EPA 3510									
Pace Analytical Services - Kansas City									
Hexachloro-1,3-butadiene	ND	ug/L	10.0	1	09/28/20 22:11	09/30/20 10:51	87-68-3		
Hexachlorobenzene	ND	ug/L	10.0	1	09/28/20 22:11	09/30/20 10:51	118-74-1		
Hexachlorocyclopentadiene	ND	ug/L	10.0	1	09/28/20 22:11	09/30/20 10:51	77-47-4		
Hexachloroethane	ND	ug/L	10.0	1	09/28/20 22:11	09/30/20 10:51	67-72-1		
Indeno(1,2,3-cd)pyrene	ND	ug/L	10.0	1	09/28/20 22:11	09/30/20 10:51	193-39-5		
Isophorone	ND	ug/L	10.0	1	09/28/20 22:11	09/30/20 10:51	78-59-1		
2-Methylnaphthalene	ND	ug/L	10.0	1	09/28/20 22:11	09/30/20 10:51	91-57-6		
2-Methylphenol(o-Cresol)	ND	ug/L	10.0	1	09/28/20 22:11	09/30/20 10:51	95-48-7		
3&4-Methylphenol(m&p Cresol)	ND	ug/L	10.0	1	09/28/20 22:11	09/30/20 10:51	15831-10-4		
Naphthalene	ND	ug/L	10.0	1	09/28/20 22:11	09/30/20 10:51	91-20-3		
2-Nitroaniline	ND	ug/L	50.0	1	09/28/20 22:11	09/30/20 10:51	88-74-4		
3-Nitroaniline	ND	ug/L	50.0	1	09/28/20 22:11	09/30/20 10:51	99-09-2		
4-Nitroaniline	ND	ug/L	50.0	1	09/28/20 22:11	09/30/20 10:51	100-01-6		
Nitrobenzene	ND	ug/L	10.0	1	09/28/20 22:11	09/30/20 10:51	98-95-3		
2-Nitrophenol	ND	ug/L	10.0	1	09/28/20 22:11	09/30/20 10:51	88-75-5		
4-Nitrophenol	ND	ug/L	50.0	1	09/28/20 22:11	09/30/20 10:51	100-02-7		
N-Nitroso-di-n-propylamine	ND	ug/L	10.0	1	09/28/20 22:11	09/30/20 10:51	621-64-7		
N-Nitrosodiphenylamine	ND	ug/L	10.0	1	09/28/20 22:11	09/30/20 10:51	86-30-6		
Pentachlorophenol	ND	ug/L	50.0	1	09/28/20 22:11	09/30/20 10:51	87-86-5		
Phenanthrene	ND	ug/L	10.0	1	09/28/20 22:11	09/30/20 10:51	85-01-8		
Phenol	ND	ug/L	10.0	1	09/28/20 22:11	09/30/20 10:51	108-95-2		
Pyrene	ND	ug/L	10.0	1	09/28/20 22:11	09/30/20 10:51	129-00-0		
Pyridine	ND	ug/L	10.0	1	09/28/20 22:11	09/30/20 10:51	110-86-1		
1,2,4-Trichlorobenzene	ND	ug/L	10.0	1	09/28/20 22:11	09/30/20 10:51	120-82-1		
2,4,5-Trichlorophenol	ND	ug/L	50.0	1	09/28/20 22:11	09/30/20 10:51	95-95-4		
2,4,6-Trichlorophenol	ND	ug/L	10.0	1	09/28/20 22:11	09/30/20 10:51	88-06-2		
Surrogates									
Nitrobenzene-d5 (S)	94	%	27-106	1	09/28/20 22:11	09/30/20 10:51	4165-60-0		
2-Fluorobiphenyl (S)	90	%	29-108	1	09/28/20 22:11	09/30/20 10:51	321-60-8		
Terphenyl-d14 (S)	136	%	34-129	1	09/28/20 22:11	09/30/20 10:51	1718-51-0	S3	
Phenol-d6 (S)	47	%	10-44	1	09/28/20 22:11	09/30/20 10:51	13127-88-3	S3	
2-Fluorophenol (S)	67	%	11-64	1	09/28/20 22:11	09/30/20 10:51	367-12-4	S3	
2,4,6-Tribromophenol (S)	103	%	16-114	1	09/28/20 22:11	09/30/20 10:51	118-79-6		
8260 MSV									
Analytical Method: EPA 5030B/8260									
Pace Analytical Services - Kansas City									
Acetone	ND	ug/L	10.0	1		09/25/20 15:03	67-64-1		
Benzene	ND	ug/L	1.0	1		09/25/20 15:03	71-43-2		
Bromobenzene	ND	ug/L	1.0	1		09/25/20 15:03	108-86-1		
Bromochloromethane	ND	ug/L	1.0	1		09/25/20 15:03	74-97-5		
Bromodichloromethane	ND	ug/L	1.0	1		09/25/20 15:03	75-27-4		
Bromoform	ND	ug/L	1.0	1		09/25/20 15:03	75-25-2		
Bromomethane	ND	ug/L	5.0	1		09/25/20 15:03	74-83-9		
2-Butanone (MEK)	ND	ug/L	10.0	1		09/25/20 15:03	78-93-3		
n-Butylbenzene	ND	ug/L	1.0	1		09/25/20 15:03	104-51-8		
sec-Butylbenzene	ND	ug/L	1.0	1		09/25/20 15:03	135-98-8		

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ANALYTICAL RESULTS

Project: PINE LAWN

Pace Project No.: 60349234

Sample: DPT-6-GW-(15-20)		Lab ID: 60349234003	Collected: 09/22/20 10:11	Received: 09/23/20 04:59	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 5030B/8260 Pace Analytical Services - Kansas City						
tert-Butylbenzene	ND	ug/L	1.0	1		09/25/20 15:03	98-06-6	
Carbon disulfide	ND	ug/L	5.0	1		09/25/20 15:03	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	1		09/25/20 15:03	56-23-5	
Chlorobenzene	ND	ug/L	1.0	1		09/25/20 15:03	108-90-7	
Chloroethane	ND	ug/L	1.0	1		09/25/20 15:03	75-00-3	
Chloroform	ND	ug/L	1.0	1		09/25/20 15:03	67-66-3	
Chloromethane	ND	ug/L	1.0	1		09/25/20 15:03	74-87-3	
2-Chlorotoluene	ND	ug/L	1.0	1		09/25/20 15:03	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	1		09/25/20 15:03	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	2.5	1		09/25/20 15:03	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	1		09/25/20 15:03	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	1		09/25/20 15:03	106-93-4	
Dibromomethane	ND	ug/L	1.0	1		09/25/20 15:03	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	1		09/25/20 15:03	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	1		09/25/20 15:03	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	1		09/25/20 15:03	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	1		09/25/20 15:03	75-71-8	L2
1,1-Dichloroethane	ND	ug/L	1.0	1		09/25/20 15:03	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	1		09/25/20 15:03	107-06-2	
1,2-Dichloroethene (Total)	2.5	ug/L	1.0	1		09/25/20 15:03	540-59-0	
1,1-Dichloroethene	ND	ug/L	1.0	1		09/25/20 15:03	75-35-4	
cis-1,2-Dichloroethene	2.5	ug/L	1.0	1		09/25/20 15:03	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		09/25/20 15:03	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	1		09/25/20 15:03	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	1		09/25/20 15:03	142-28-9	
2,2-Dichloropropane	ND	ug/L	1.0	1		09/25/20 15:03	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	1		09/25/20 15:03	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	1.0	1		09/25/20 15:03	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	1		09/25/20 15:03	10061-02-6	
Ethylbenzene	ND	ug/L	1.0	1		09/25/20 15:03	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	1.0	1		09/25/20 15:03	87-68-3	
2-Hexanone	ND	ug/L	10.0	1		09/25/20 15:03	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	1.0	1		09/25/20 15:03	98-82-8	
p-Isopropyltoluene	ND	ug/L	1.0	1		09/25/20 15:03	99-87-6	
Methylene Chloride	ND	ug/L	1.0	1		09/25/20 15:03	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	10.0	1		09/25/20 15:03	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	1.0	1		09/25/20 15:03	1634-04-4	
Naphthalene	ND	ug/L	10.0	1		09/25/20 15:03	91-20-3	
n-Propylbenzene	ND	ug/L	1.0	1		09/25/20 15:03	103-65-1	
Styrene	ND	ug/L	1.0	1		09/25/20 15:03	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	1		09/25/20 15:03	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	1		09/25/20 15:03	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	1		09/25/20 15:03	127-18-4	
Toluene	ND	ug/L	1.0	1		09/25/20 15:03	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	1		09/25/20 15:03	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	1		09/25/20 15:03	120-82-1	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: PINE LAWN

Pace Project No.: 60349234

Sample: DPT-6-GW-(15-20)		Lab ID: 60349234003		Collected: 09/22/20 10:11		Received: 09/23/20 04:59		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
8260 MSV		Analytical Method: EPA 5030B/8260 Pace Analytical Services - Kansas City							
1,1,1-Trichloroethane	ND	ug/L	1.0	1		09/25/20 15:03	71-55-6		
1,1,2-Trichloroethane	ND	ug/L	1.0	1		09/25/20 15:03	79-00-5		
Trichloroethene	ND	ug/L	1.0	1		09/25/20 15:03	79-01-6		
Trichlorofluoromethane	ND	ug/L	1.0	1		09/25/20 15:03	75-69-4		
1,2,3-Trichloropropane	ND	ug/L	2.5	1		09/25/20 15:03	96-18-4		
1,2,4-Trimethylbenzene	ND	ug/L	1.0	1		09/25/20 15:03	95-63-6		
1,3,5-Trimethylbenzene	ND	ug/L	1.0	1		09/25/20 15:03	108-67-8		
Vinyl chloride	ND	ug/L	1.0	1		09/25/20 15:03	75-01-4		
Xylene (Total)	ND	ug/L	3.0	1		09/25/20 15:03	1330-20-7		
Surrogates									
4-Bromofluorobenzene (S)	97	%	80-120	1		09/25/20 15:03	460-00-4		
1,2-Dichloroethane-d4 (S)	100	%	86-117	1		09/25/20 15:03	17060-07-0		
Toluene-d8 (S)	96	%	80-120	1		09/25/20 15:03	2037-26-5		
Preservation pH	1.0		0.10	1		09/25/20 15:03			
8260 MSV GRO and Oxygenates		Analytical Method: EPA 8260 Pace Analytical Services - Kansas City							
TPH-GRO	ND	ug/L	500	1		09/25/20 15:03			
Surrogates									
Toluene-d8 (S)	96	%	80-120	1		09/25/20 15:03	2037-26-5		
4-Bromofluorobenzene (S)	97	%	80-120	1		09/25/20 15:03	460-00-4		
1,2-Dichloroethane-d4 (S)	100	%	86-117	1		09/25/20 15:03	17060-07-0		
Preservation pH	1.0		0.10	1		09/25/20 15:03			

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ANALYTICAL RESULTS

Project: PINE LAWN

Pace Project No.: 60349234

Sample: DPT-2-GW-(24-29)		Lab ID: 60349234004	Collected: 09/22/20 11:02		Received: 09/23/20 04:59		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8082 GCS PCB, LV								
Analytical Method: EPA 8082 Preparation Method: EPA 3510								
Pace Analytical Services - Kansas City								
PCB-1016 (Aroclor 1016)	ND	ug/L	1.0	1	10/02/20 13:17	10/02/20 15:23	12674-11-2	
PCB-1221 (Aroclor 1221)	ND	ug/L	1.0	1	10/02/20 13:17	10/02/20 15:23	11104-28-2	
PCB-1232 (Aroclor 1232)	ND	ug/L	1.0	1	10/02/20 13:17	10/02/20 15:23	11141-16-5	
PCB-1242 (Aroclor 1242)	ND	ug/L	1.0	1	10/02/20 13:17	10/02/20 15:23	53469-21-9	
PCB-1248 (Aroclor 1248)	ND	ug/L	1.0	1	10/02/20 13:17	10/02/20 15:23	12672-29-6	
PCB-1254 (Aroclor 1254)	ND	ug/L	1.0	1	10/02/20 13:17	10/02/20 15:23	11097-69-1	
PCB-1260 (Aroclor 1260)	ND	ug/L	1.0	1	10/02/20 13:17	10/02/20 15:23	11096-82-5	
Surrogates								
Decachlorobiphenyl (S)	83	%	30-136	1	10/02/20 13:17	10/02/20 15:23	2051-24-3	
6010 MET ICP								
Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Pace Analytical Services - Kansas City								
Arsenic	64.2	ug/L	10.0	1	10/01/20 17:18	10/02/20 16:22	7440-38-2	
Barium	1350	ug/L	5.0	1	10/01/20 17:18	10/02/20 16:22	7440-39-3	
Cadmium	ND	ug/L	5.0	1	10/01/20 17:18	10/02/20 16:22	7440-43-9	
Chromium	149	ug/L	5.0	1	10/01/20 17:18	10/02/20 16:22	7440-47-3	
Lead	324	ug/L	10.0	1	10/01/20 17:18	10/02/20 16:22	7439-92-1	
Selenium	ND	ug/L	15.0	1	10/01/20 17:18	10/05/20 12:25	7782-49-2	
Silver	ND	ug/L	7.0	1	10/01/20 17:18	10/02/20 16:22	7440-22-4	
6010 MET ICP, Dissolved								
Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Pace Analytical Services - Kansas City								
Arsenic, Dissolved	ND	ug/L	10.0	1	10/01/20 17:18	10/02/20 15:53	7440-38-2	
Barium, Dissolved	305	ug/L	5.0	1	10/01/20 17:18	10/02/20 15:53	7440-39-3	
Cadmium, Dissolved	ND	ug/L	5.0	1	10/01/20 17:18	10/02/20 15:53	7440-43-9	
Chromium, Dissolved	ND	ug/L	5.0	1	10/01/20 17:18	10/02/20 15:53	7440-47-3	
Lead, Dissolved	ND	ug/L	10.0	1	10/01/20 17:18	10/02/20 15:53	7439-92-1	
Selenium, Dissolved	ND	ug/L	15.0	1	10/01/20 17:18	10/02/20 15:53	7782-49-2	
Silver, Dissolved	ND	ug/L	7.0	1	10/01/20 17:18	10/02/20 15:53	7440-22-4	
7470 Mercury								
Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Pace Analytical Services - Kansas City								
Mercury	ND	ug/L	0.20	1	09/29/20 14:13	10/01/20 11:08	7439-97-6	
7470 Mercury, Dissolved								
Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Pace Analytical Services - Kansas City								
Mercury, Dissolved	ND	ug/L	0.20	1	09/29/20 14:13	10/01/20 10:13	7439-97-6	
8270 MSSV DRO/ORO								
Analytical Method: EPA 8270 Preparation Method: EPA 3510C								
Pace Analytical Services - Kansas City								
TPH-ORO	ND	mg/L	1.1	1	09/24/20 21:47	10/05/20 11:33		
TPH-DRO	ND	mg/L	1.1	1	09/24/20 21:47	10/05/20 11:33		
Surrogates								
Nitrobenzene-d5 (S)	69	%	27-106	1	09/24/20 21:47	10/05/20 11:33	4165-60-0	
2-Fluorobiphenyl (S)	72	%	29-108	1	09/24/20 21:47	10/05/20 11:33	321-60-8	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: PINE LAWN

Pace Project No.: 60349234

Sample: DPT-2-GW-(24-29)		Lab ID: 60349234004		Collected: 09/22/20 11:02		Received: 09/23/20 04:59		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
8270 MSSV DRO/ORO									
Analytical Method: EPA 8270 Preparation Method: EPA 3510C									
Pace Analytical Services - Kansas City									
Surrogates									
Terphenyl-d14 (S)	94	%	34-129	1	09/24/20 21:47	10/05/20 11:33	1718-51-0		
8270 MSSV Semivolatile Organic									
Analytical Method: EPA 8270 Preparation Method: EPA 3510									
Pace Analytical Services - Kansas City									
Acenaphthene	ND	ug/L	10.0	1	09/28/20 22:11	09/30/20 11:14	83-32-9		
Acenaphthylene	ND	ug/L	10.0	1	09/28/20 22:11	09/30/20 11:14	208-96-8		
Anthracene	ND	ug/L	10.0	1	09/28/20 22:11	09/30/20 11:14	120-12-7		
Benzo(a)anthracene	ND	ug/L	10.0	1	09/28/20 22:11	09/30/20 11:14	56-55-3		
Benzo(a)pyrene	ND	ug/L	10.0	1	09/28/20 22:11	09/30/20 11:14	50-32-8		
Benzo(b)fluoranthene	ND	ug/L	10.0	1	09/28/20 22:11	09/30/20 11:14	205-99-2		
Benzo(g,h,i)perylene	ND	ug/L	10.0	1	09/28/20 22:11	09/30/20 11:14	191-24-2		
Benzo(k)fluoranthene	ND	ug/L	10.0	1	09/28/20 22:11	09/30/20 11:14	207-08-9		
Benzoic Acid	ND	ug/L	50.0	1	09/28/20 22:11	09/30/20 11:14	65-85-0		
Benzyl alcohol	ND	ug/L	20.0	1	09/28/20 22:11	09/30/20 11:14	100-51-6		
4-Bromophenylphenyl ether	ND	ug/L	10.0	1	09/28/20 22:11	09/30/20 11:14	101-55-3		
Butylbenzylphthalate	ND	ug/L	20.0	1	09/28/20 22:11	09/30/20 11:14	85-68-7		
Carbazole	ND	ug/L	10.0	1	09/28/20 22:11	09/30/20 11:14	86-74-8		
4-Chloro-3-methylphenol	ND	ug/L	20.0	1	09/28/20 22:11	09/30/20 11:14	59-50-7		
4-Chloroaniline	ND	ug/L	20.0	1	09/28/20 22:11	09/30/20 11:14	106-47-8		
bis(2-Chloroethoxy)methane	ND	ug/L	10.0	1	09/28/20 22:11	09/30/20 11:14	111-91-1		
bis(2-Chloroethyl) ether	ND	ug/L	10.0	1	09/28/20 22:11	09/30/20 11:14	111-44-4		
bis(2-Chloroisopropyl) ether	ND	ug/L	10.0	1	09/28/20 22:11	09/30/20 11:14	108-60-1		
2-Chloronaphthalene	ND	ug/L	10.0	1	09/28/20 22:11	09/30/20 11:14	91-58-7		
2-Chlorophenol	ND	ug/L	10.0	1	09/28/20 22:11	09/30/20 11:14	95-57-8		
4-Chlorophenylphenyl ether	ND	ug/L	10.0	1	09/28/20 22:11	09/30/20 11:14	7005-72-3		
Chrysene	ND	ug/L	10.0	1	09/28/20 22:11	09/30/20 11:14	218-01-9		
Dibenz(a,h)anthracene	ND	ug/L	10.0	1	09/28/20 22:11	09/30/20 11:14	53-70-3		
Dibenzofuran	ND	ug/L	10.0	1	09/28/20 22:11	09/30/20 11:14	132-64-9		
1,2-Dichlorobenzene	ND	ug/L	10.0	1	09/28/20 22:11	09/30/20 11:14	95-50-1		
1,3-Dichlorobenzene	ND	ug/L	10.0	1	09/28/20 22:11	09/30/20 11:14	541-73-1		
1,4-Dichlorobenzene	ND	ug/L	10.0	1	09/28/20 22:11	09/30/20 11:14	106-46-7		
3,3'-Dichlorobenzidine	ND	ug/L	20.0	1	09/28/20 22:11	09/30/20 11:14	91-94-1		
2,4-Dichlorophenol	ND	ug/L	10.0	1	09/28/20 22:11	09/30/20 11:14	120-83-2		
Diethylphthalate	ND	ug/L	10.0	1	09/28/20 22:11	09/30/20 11:14	84-66-2		
2,4-Dimethylphenol	ND	ug/L	10.0	1	09/28/20 22:11	09/30/20 11:14	105-67-9		
Dimethylphthalate	ND	ug/L	10.0	1	09/28/20 22:11	09/30/20 11:14	131-11-3		
Di-n-butylphthalate	ND	ug/L	10.0	1	09/28/20 22:11	09/30/20 11:14	84-74-2		
4,6-Dinitro-2-methylphenol	ND	ug/L	50.0	1	09/28/20 22:11	09/30/20 11:14	534-52-1		
2,4-Dinitrophenol	ND	ug/L	50.0	1	09/28/20 22:11	09/30/20 11:14	51-28-5		
2,4-Dinitrotoluene	ND	ug/L	10.0	1	09/28/20 22:11	09/30/20 11:14	121-14-2		
2,6-Dinitrotoluene	ND	ug/L	10.0	1	09/28/20 22:11	09/30/20 11:14	606-20-2		
Di-n-octylphthalate	ND	ug/L	10.0	1	09/28/20 22:11	09/30/20 11:14	117-84-0		
bis(2-Ethylhexyl)phthalate	ND	ug/L	20.0	1	09/28/20 22:11	09/30/20 11:14	117-81-7		
Fluoranthene	ND	ug/L	10.0	1	09/28/20 22:11	09/30/20 11:14	206-44-0		
Fluorene	ND	ug/L	10.0	1	09/28/20 22:11	09/30/20 11:14	86-73-7		

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ANALYTICAL RESULTS

Project: PINE LAWN

Pace Project No.: 60349234

Sample: DPT-2-GW-(24-29)		Lab ID: 60349234004		Collected: 09/22/20 11:02		Received: 09/23/20 04:59		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
8270 MSSV Semivolatile Organic									
Analytical Method: EPA 8270 Preparation Method: EPA 3510									
Pace Analytical Services - Kansas City									
Hexachloro-1,3-butadiene	ND	ug/L	10.0	1	09/28/20 22:11	09/30/20 11:14	87-68-3		
Hexachlorobenzene	ND	ug/L	10.0	1	09/28/20 22:11	09/30/20 11:14	118-74-1		
Hexachlorocyclopentadiene	ND	ug/L	10.0	1	09/28/20 22:11	09/30/20 11:14	77-47-4		
Hexachloroethane	ND	ug/L	10.0	1	09/28/20 22:11	09/30/20 11:14	67-72-1		
Indeno(1,2,3-cd)pyrene	ND	ug/L	10.0	1	09/28/20 22:11	09/30/20 11:14	193-39-5		
Isophorone	ND	ug/L	10.0	1	09/28/20 22:11	09/30/20 11:14	78-59-1		
2-Methylnaphthalene	ND	ug/L	10.0	1	09/28/20 22:11	09/30/20 11:14	91-57-6		
2-Methylphenol(o-Cresol)	ND	ug/L	10.0	1	09/28/20 22:11	09/30/20 11:14	95-48-7		
3&4-Methylphenol(m&p Cresol)	ND	ug/L	10.0	1	09/28/20 22:11	09/30/20 11:14	15831-10-4		
Naphthalene	ND	ug/L	10.0	1	09/28/20 22:11	09/30/20 11:14	91-20-3		
2-Nitroaniline	ND	ug/L	50.0	1	09/28/20 22:11	09/30/20 11:14	88-74-4		
3-Nitroaniline	ND	ug/L	50.0	1	09/28/20 22:11	09/30/20 11:14	99-09-2		
4-Nitroaniline	ND	ug/L	50.0	1	09/28/20 22:11	09/30/20 11:14	100-01-6		
Nitrobenzene	ND	ug/L	10.0	1	09/28/20 22:11	09/30/20 11:14	98-95-3		
2-Nitrophenol	ND	ug/L	10.0	1	09/28/20 22:11	09/30/20 11:14	88-75-5		
4-Nitrophenol	ND	ug/L	50.0	1	09/28/20 22:11	09/30/20 11:14	100-02-7		
N-Nitroso-di-n-propylamine	ND	ug/L	10.0	1	09/28/20 22:11	09/30/20 11:14	621-64-7		
N-Nitrosodiphenylamine	ND	ug/L	10.0	1	09/28/20 22:11	09/30/20 11:14	86-30-6		
Pentachlorophenol	ND	ug/L	50.0	1	09/28/20 22:11	09/30/20 11:14	87-86-5		
Phenanthrene	ND	ug/L	10.0	1	09/28/20 22:11	09/30/20 11:14	85-01-8		
Phenol	ND	ug/L	10.0	1	09/28/20 22:11	09/30/20 11:14	108-95-2		
Pyrene	ND	ug/L	10.0	1	09/28/20 22:11	09/30/20 11:14	129-00-0		
Pyridine	ND	ug/L	10.0	1	09/28/20 22:11	09/30/20 11:14	110-86-1		
1,2,4-Trichlorobenzene	ND	ug/L	10.0	1	09/28/20 22:11	09/30/20 11:14	120-82-1		
2,4,5-Trichlorophenol	ND	ug/L	50.0	1	09/28/20 22:11	09/30/20 11:14	95-95-4		
2,4,6-Trichlorophenol	ND	ug/L	10.0	1	09/28/20 22:11	09/30/20 11:14	88-06-2		
Surrogates									
Nitrobenzene-d5 (S)	98	%	27-106	1	09/28/20 22:11	09/30/20 11:14	4165-60-0		
2-Fluorobiphenyl (S)	86	%	29-108	1	09/28/20 22:11	09/30/20 11:14	321-60-8		
Terphenyl-d14 (S)	141	%	34-129	1	09/28/20 22:11	09/30/20 11:14	1718-51-0	S3	
Phenol-d6 (S)	52	%	10-44	1	09/28/20 22:11	09/30/20 11:14	13127-88-3	S3	
2-Fluorophenol (S)	67	%	11-64	1	09/28/20 22:11	09/30/20 11:14	367-12-4	S3	
2,4,6-Tribromophenol (S)	101	%	16-114	1	09/28/20 22:11	09/30/20 11:14	118-79-6		
8260 MSV									
Analytical Method: EPA 5030B/8260									
Pace Analytical Services - Kansas City									
Acetone	ND	ug/L	10.0	1		09/25/20 15:19	67-64-1		
Benzene	ND	ug/L	1.0	1		09/25/20 15:19	71-43-2		
Bromobenzene	ND	ug/L	1.0	1		09/25/20 15:19	108-86-1		
Bromochloromethane	ND	ug/L	1.0	1		09/25/20 15:19	74-97-5		
Bromodichloromethane	ND	ug/L	1.0	1		09/25/20 15:19	75-27-4		
Bromoform	ND	ug/L	1.0	1		09/25/20 15:19	75-25-2		
Bromomethane	ND	ug/L	5.0	1		09/25/20 15:19	74-83-9		
2-Butanone (MEK)	ND	ug/L	10.0	1		09/25/20 15:19	78-93-3		
n-Butylbenzene	ND	ug/L	1.0	1		09/25/20 15:19	104-51-8		
sec-Butylbenzene	ND	ug/L	1.0	1		09/25/20 15:19	135-98-8		

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ANALYTICAL RESULTS

Project: PINE LAWN

Pace Project No.: 60349234

Sample: DPT-2-GW-(24-29)		Lab ID: 60349234004	Collected: 09/22/20 11:02	Received: 09/23/20 04:59	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 5030B/8260						
		Pace Analytical Services - Kansas City						
tert-Butylbenzene	ND	ug/L	1.0	1		09/25/20 15:19	98-06-6	
Carbon disulfide	ND	ug/L	5.0	1		09/25/20 15:19	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	1		09/25/20 15:19	56-23-5	
Chlorobenzene	ND	ug/L	1.0	1		09/25/20 15:19	108-90-7	
Chloroethane	ND	ug/L	1.0	1		09/25/20 15:19	75-00-3	
Chloroform	ND	ug/L	1.0	1		09/25/20 15:19	67-66-3	
Chloromethane	ND	ug/L	1.0	1		09/25/20 15:19	74-87-3	
2-Chlorotoluene	ND	ug/L	1.0	1		09/25/20 15:19	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	1		09/25/20 15:19	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	2.5	1		09/25/20 15:19	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	1		09/25/20 15:19	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	1		09/25/20 15:19	106-93-4	
Dibromomethane	ND	ug/L	1.0	1		09/25/20 15:19	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	1		09/25/20 15:19	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	1		09/25/20 15:19	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	1		09/25/20 15:19	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	1		09/25/20 15:19	75-71-8	L2
1,1-Dichloroethane	ND	ug/L	1.0	1		09/25/20 15:19	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	1		09/25/20 15:19	107-06-2	
1,2-Dichloroethene (Total)	ND	ug/L	1.0	1		09/25/20 15:19	540-59-0	
1,1-Dichloroethene	ND	ug/L	1.0	1		09/25/20 15:19	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	1		09/25/20 15:19	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		09/25/20 15:19	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	1		09/25/20 15:19	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	1		09/25/20 15:19	142-28-9	
2,2-Dichloropropane	ND	ug/L	1.0	1		09/25/20 15:19	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	1		09/25/20 15:19	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	1.0	1		09/25/20 15:19	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	1		09/25/20 15:19	10061-02-6	
Ethylbenzene	ND	ug/L	1.0	1		09/25/20 15:19	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	1.0	1		09/25/20 15:19	87-68-3	
2-Hexanone	ND	ug/L	10.0	1		09/25/20 15:19	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	1.0	1		09/25/20 15:19	98-82-8	
p-Isopropyltoluene	ND	ug/L	1.0	1		09/25/20 15:19	99-87-6	
Methylene Chloride	ND	ug/L	1.0	1		09/25/20 15:19	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	10.0	1		09/25/20 15:19	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	1.0	1		09/25/20 15:19	1634-04-4	
Naphthalene	ND	ug/L	10.0	1		09/25/20 15:19	91-20-3	
n-Propylbenzene	ND	ug/L	1.0	1		09/25/20 15:19	103-65-1	
Styrene	ND	ug/L	1.0	1		09/25/20 15:19	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	1		09/25/20 15:19	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	1		09/25/20 15:19	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	1		09/25/20 15:19	127-18-4	
Toluene	ND	ug/L	1.0	1		09/25/20 15:19	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	1		09/25/20 15:19	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	1		09/25/20 15:19	120-82-1	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: PINE LAWN

Pace Project No.: 60349234

Sample: DPT-2-GW-(24-29)		Lab ID: 60349234004		Collected: 09/22/20 11:02		Received: 09/23/20 04:59		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
8260 MSV		Analytical Method: EPA 5030B/8260							
		Pace Analytical Services - Kansas City							
1,1,1-Trichloroethane	ND	ug/L	1.0	1		09/25/20 15:19	71-55-6		
1,1,2-Trichloroethane	ND	ug/L	1.0	1		09/25/20 15:19	79-00-5		
Trichloroethene	ND	ug/L	1.0	1		09/25/20 15:19	79-01-6		
Trichlorofluoromethane	ND	ug/L	1.0	1		09/25/20 15:19	75-69-4		
1,2,3-Trichloropropane	ND	ug/L	2.5	1		09/25/20 15:19	96-18-4		
1,2,4-Trimethylbenzene	ND	ug/L	1.0	1		09/25/20 15:19	95-63-6		
1,3,5-Trimethylbenzene	ND	ug/L	1.0	1		09/25/20 15:19	108-67-8		
Vinyl chloride	ND	ug/L	1.0	1		09/25/20 15:19	75-01-4		
Xylene (Total)	ND	ug/L	3.0	1		09/25/20 15:19	1330-20-7		
Surrogates									
4-Bromofluorobenzene (S)	99	%	80-120	1		09/25/20 15:19	460-00-4		
1,2-Dichloroethane-d4 (S)	100	%	86-117	1		09/25/20 15:19	17060-07-0		
Toluene-d8 (S)	100	%	80-120	1		09/25/20 15:19	2037-26-5		
Preservation pH	1.0		0.10	1		09/25/20 15:19			
8260 MSV GRO and Oxygenates		Analytical Method: EPA 8260							
		Pace Analytical Services - Kansas City							
TPH-GRO	ND	ug/L	500	1		09/25/20 15:19			
Surrogates									
Toluene-d8 (S)	100	%	80-120	1		09/25/20 15:19	2037-26-5		
4-Bromofluorobenzene (S)	99	%	80-120	1		09/25/20 15:19	460-00-4		
1,2-Dichloroethane-d4 (S)	100	%	86-117	1		09/25/20 15:19	17060-07-0		
Preservation pH	1.0		0.10	1		09/25/20 15:19			

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ANALYTICAL RESULTS

Project: PINE LAWN

Pace Project No.: 60349234

Sample: PINE LAWN-FB2		Lab ID: 60349234005	Collected: 09/22/20 13:05		Received: 09/23/20 04:59		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8082 GCS PCB, LV								
Analytical Method: EPA 8082 Preparation Method: EPA 3510								
Pace Analytical Services - Kansas City								
PCB-1016 (Aroclor 1016)	ND	ug/L	1.0	1	10/02/20 13:17	10/02/20 15:30	12674-11-2	
PCB-1221 (Aroclor 1221)	ND	ug/L	1.0	1	10/02/20 13:17	10/02/20 15:30	11104-28-2	
PCB-1232 (Aroclor 1232)	ND	ug/L	1.0	1	10/02/20 13:17	10/02/20 15:30	11141-16-5	
PCB-1242 (Aroclor 1242)	ND	ug/L	1.0	1	10/02/20 13:17	10/02/20 15:30	53469-21-9	
PCB-1248 (Aroclor 1248)	ND	ug/L	1.0	1	10/02/20 13:17	10/02/20 15:30	12672-29-6	
PCB-1254 (Aroclor 1254)	ND	ug/L	1.0	1	10/02/20 13:17	10/02/20 15:30	11097-69-1	
PCB-1260 (Aroclor 1260)	ND	ug/L	1.0	1	10/02/20 13:17	10/02/20 15:30	11096-82-5	
Surrogates								
Decachlorobiphenyl (S)	78	%	30-136	1	10/02/20 13:17	10/02/20 15:30	2051-24-3	
6010 MET ICP								
Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Pace Analytical Services - Kansas City								
Arsenic	ND	ug/L	10.0	1	10/01/20 17:18	10/02/20 16:25	7440-38-2	
Barium	ND	ug/L	5.0	1	10/01/20 17:18	10/02/20 16:25	7440-39-3	
Cadmium	ND	ug/L	5.0	1	10/01/20 17:18	10/02/20 16:25	7440-43-9	
Chromium	ND	ug/L	5.0	1	10/01/20 17:18	10/02/20 16:25	7440-47-3	
Lead	ND	ug/L	10.0	1	10/01/20 17:18	10/02/20 16:25	7439-92-1	
Selenium	ND	ug/L	15.0	1	10/01/20 17:18	10/02/20 16:25	7782-49-2	
Silver	ND	ug/L	7.0	1	10/01/20 17:18	10/02/20 16:25	7440-22-4	
6010 MET ICP, Dissolved								
Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Pace Analytical Services - Kansas City								
Arsenic, Dissolved	ND	ug/L	10.0	1	10/01/20 17:18	10/02/20 15:55	7440-38-2	
Barium, Dissolved	ND	ug/L	5.0	1	10/01/20 17:18	10/02/20 15:55	7440-39-3	
Cadmium, Dissolved	ND	ug/L	5.0	1	10/01/20 17:18	10/02/20 15:55	7440-43-9	
Chromium, Dissolved	ND	ug/L	5.0	1	10/01/20 17:18	10/02/20 15:55	7440-47-3	
Lead, Dissolved	ND	ug/L	10.0	1	10/01/20 17:18	10/02/20 15:55	7439-92-1	
Selenium, Dissolved	ND	ug/L	15.0	1	10/01/20 17:18	10/02/20 15:55	7782-49-2	
Silver, Dissolved	ND	ug/L	7.0	1	10/01/20 17:18	10/02/20 15:55	7440-22-4	
7470 Mercury								
Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Pace Analytical Services - Kansas City								
Mercury	ND	ug/L	0.20	1	09/29/20 14:13	10/01/20 11:10	7439-97-6	
7470 Mercury, Dissolved								
Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Pace Analytical Services - Kansas City								
Mercury, Dissolved	ND	ug/L	0.20	1	09/29/20 14:13	10/01/20 10:20	7439-97-6	
8270 MSSV DRO/ORO								
Analytical Method: EPA 8270 Preparation Method: EPA 3510C								
Pace Analytical Services - Kansas City								
TPH-ORO	ND	mg/L	1.1	1	09/24/20 21:47	10/05/20 11:53		
TPH-DRO	ND	mg/L	1.1	1	09/24/20 21:47	10/05/20 11:53		
Surrogates								
Nitrobenzene-d5 (S)	68	%	27-106	1	09/24/20 21:47	10/05/20 11:53	4165-60-0	
2-Fluorobiphenyl (S)	71	%	29-108	1	09/24/20 21:47	10/05/20 11:53	321-60-8	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: PINE LAWN

Pace Project No.: 60349234

Sample: PINE LAWN-FB2		Lab ID: 60349234005		Collected: 09/22/20 13:05		Received: 09/23/20 04:59		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
8270 MSSV DRO/ORO		Analytical Method: EPA 8270 Preparation Method: EPA 3510C Pace Analytical Services - Kansas City							
Surrogates									
Terphenyl-d14 (S)	70	%	34-129	1	09/24/20 21:47	10/05/20 11:53	1718-51-0		
8270 MSSV Semivolatile Organic		Analytical Method: EPA 8270 Preparation Method: EPA 3510 Pace Analytical Services - Kansas City							
Acenaphthene	ND	ug/L	10.0	1	09/28/20 22:11	09/30/20 12:22	83-32-9		
Acenaphthylene	ND	ug/L	10.0	1	09/28/20 22:11	09/30/20 12:22	208-96-8		
Anthracene	ND	ug/L	10.0	1	09/28/20 22:11	09/30/20 12:22	120-12-7		
Benzo(a)anthracene	ND	ug/L	10.0	1	09/28/20 22:11	09/30/20 12:22	56-55-3		
Benzo(a)pyrene	ND	ug/L	10.0	1	09/28/20 22:11	09/30/20 12:22	50-32-8		
Benzo(b)fluoranthene	ND	ug/L	10.0	1	09/28/20 22:11	09/30/20 12:22	205-99-2		
Benzo(g,h,i)perylene	ND	ug/L	10.0	1	09/28/20 22:11	09/30/20 12:22	191-24-2		
Benzo(k)fluoranthene	ND	ug/L	10.0	1	09/28/20 22:11	09/30/20 12:22	207-08-9		
Benzoic Acid	ND	ug/L	50.0	1	09/28/20 22:11	09/30/20 12:22	65-85-0		
Benzyl alcohol	ND	ug/L	20.0	1	09/28/20 22:11	09/30/20 12:22	100-51-6		
4-Bromophenylphenyl ether	ND	ug/L	10.0	1	09/28/20 22:11	09/30/20 12:22	101-55-3		
Butylbenzylphthalate	ND	ug/L	20.0	1	09/28/20 22:11	09/30/20 12:22	85-68-7		
Carbazole	ND	ug/L	10.0	1	09/28/20 22:11	09/30/20 12:22	86-74-8		
4-Chloro-3-methylphenol	ND	ug/L	20.0	1	09/28/20 22:11	09/30/20 12:22	59-50-7		
4-Chloroaniline	ND	ug/L	20.0	1	09/28/20 22:11	09/30/20 12:22	106-47-8		
bis(2-Chloroethoxy)methane	ND	ug/L	10.0	1	09/28/20 22:11	09/30/20 12:22	111-91-1		
bis(2-Chloroethyl) ether	ND	ug/L	10.0	1	09/28/20 22:11	09/30/20 12:22	111-44-4		
bis(2-Chloroisopropyl) ether	ND	ug/L	10.0	1	09/28/20 22:11	09/30/20 12:22	108-60-1		
2-Chloronaphthalene	ND	ug/L	10.0	1	09/28/20 22:11	09/30/20 12:22	91-58-7		
2-Chlorophenol	ND	ug/L	10.0	1	09/28/20 22:11	09/30/20 12:22	95-57-8		
4-Chlorophenylphenyl ether	ND	ug/L	10.0	1	09/28/20 22:11	09/30/20 12:22	7005-72-3		
Chrysene	ND	ug/L	10.0	1	09/28/20 22:11	09/30/20 12:22	218-01-9		
Dibenz(a,h)anthracene	ND	ug/L	10.0	1	09/28/20 22:11	09/30/20 12:22	53-70-3		
Dibenzofuran	ND	ug/L	10.0	1	09/28/20 22:11	09/30/20 12:22	132-64-9		
1,2-Dichlorobenzene	ND	ug/L	10.0	1	09/28/20 22:11	09/30/20 12:22	95-50-1		
1,3-Dichlorobenzene	ND	ug/L	10.0	1	09/28/20 22:11	09/30/20 12:22	541-73-1		
1,4-Dichlorobenzene	ND	ug/L	10.0	1	09/28/20 22:11	09/30/20 12:22	106-46-7		
3,3'-Dichlorobenzidine	ND	ug/L	20.0	1	09/28/20 22:11	09/30/20 12:22	91-94-1		
2,4-Dichlorophenol	ND	ug/L	10.0	1	09/28/20 22:11	09/30/20 12:22	120-83-2		
Diethylphthalate	ND	ug/L	10.0	1	09/28/20 22:11	09/30/20 12:22	84-66-2		
2,4-Dimethylphenol	ND	ug/L	10.0	1	09/28/20 22:11	09/30/20 12:22	105-67-9		
Dimethylphthalate	ND	ug/L	10.0	1	09/28/20 22:11	09/30/20 12:22	131-11-3		
Di-n-butylphthalate	ND	ug/L	10.0	1	09/28/20 22:11	09/30/20 12:22	84-74-2		
4,6-Dinitro-2-methylphenol	ND	ug/L	50.0	1	09/28/20 22:11	09/30/20 12:22	534-52-1		
2,4-Dinitrophenol	ND	ug/L	50.0	1	09/28/20 22:11	09/30/20 12:22	51-28-5		
2,4-Dinitrotoluene	ND	ug/L	10.0	1	09/28/20 22:11	09/30/20 12:22	121-14-2		
2,6-Dinitrotoluene	ND	ug/L	10.0	1	09/28/20 22:11	09/30/20 12:22	606-20-2		
Di-n-octylphthalate	ND	ug/L	10.0	1	09/28/20 22:11	09/30/20 12:22	117-84-0		
bis(2-Ethylhexyl)phthalate	ND	ug/L	20.0	1	09/28/20 22:11	09/30/20 12:22	117-81-7		
Fluoranthene	ND	ug/L	10.0	1	09/28/20 22:11	09/30/20 12:22	206-44-0		
Fluorene	ND	ug/L	10.0	1	09/28/20 22:11	09/30/20 12:22	86-73-7		

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ANALYTICAL RESULTS

Project: PINE LAWN

Pace Project No.: 60349234

Sample: PINE LAWN-FB2		Lab ID: 60349234005		Collected: 09/22/20 13:05		Received: 09/23/20 04:59		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
8270 MSSV Semivolatile Organic	Analytical Method: EPA 8270 Preparation Method: EPA 3510								
	Pace Analytical Services - Kansas City								
Hexachloro-1,3-butadiene	ND	ug/L	10.0	1	09/28/20 22:11	09/30/20 12:22	87-68-3		
Hexachlorobenzene	ND	ug/L	10.0	1	09/28/20 22:11	09/30/20 12:22	118-74-1		
Hexachlorocyclopentadiene	ND	ug/L	10.0	1	09/28/20 22:11	09/30/20 12:22	77-47-4		
Hexachloroethane	ND	ug/L	10.0	1	09/28/20 22:11	09/30/20 12:22	67-72-1		
Indeno(1,2,3-cd)pyrene	ND	ug/L	10.0	1	09/28/20 22:11	09/30/20 12:22	193-39-5		
Isophorone	ND	ug/L	10.0	1	09/28/20 22:11	09/30/20 12:22	78-59-1		
2-Methylnaphthalene	ND	ug/L	10.0	1	09/28/20 22:11	09/30/20 12:22	91-57-6		
2-Methylphenol(o-Cresol)	ND	ug/L	10.0	1	09/28/20 22:11	09/30/20 12:22	95-48-7		
3&4-Methylphenol(m&p Cresol)	ND	ug/L	10.0	1	09/28/20 22:11	09/30/20 12:22	15831-10-4		
Naphthalene	ND	ug/L	10.0	1	09/28/20 22:11	09/30/20 12:22	91-20-3		
2-Nitroaniline	ND	ug/L	50.0	1	09/28/20 22:11	09/30/20 12:22	88-74-4		
3-Nitroaniline	ND	ug/L	50.0	1	09/28/20 22:11	09/30/20 12:22	99-09-2		
4-Nitroaniline	ND	ug/L	50.0	1	09/28/20 22:11	09/30/20 12:22	100-01-6		
Nitrobenzene	ND	ug/L	10.0	1	09/28/20 22:11	09/30/20 12:22	98-95-3		
2-Nitrophenol	ND	ug/L	10.0	1	09/28/20 22:11	09/30/20 12:22	88-75-5		
4-Nitrophenol	ND	ug/L	50.0	1	09/28/20 22:11	09/30/20 12:22	100-02-7		
N-Nitroso-di-n-propylamine	ND	ug/L	10.0	1	09/28/20 22:11	09/30/20 12:22	621-64-7		
N-Nitrosodiphenylamine	ND	ug/L	10.0	1	09/28/20 22:11	09/30/20 12:22	86-30-6		
Pentachlorophenol	ND	ug/L	50.0	1	09/28/20 22:11	09/30/20 12:22	87-86-5		
Phenanthrene	ND	ug/L	10.0	1	09/28/20 22:11	09/30/20 12:22	85-01-8		
Phenol	ND	ug/L	10.0	1	09/28/20 22:11	09/30/20 12:22	108-95-2		
Pyrene	ND	ug/L	10.0	1	09/28/20 22:11	09/30/20 12:22	129-00-0		
Pyridine	ND	ug/L	10.0	1	09/28/20 22:11	09/30/20 12:22	110-86-1		
1,2,4-Trichlorobenzene	ND	ug/L	10.0	1	09/28/20 22:11	09/30/20 12:22	120-82-1		
2,4,5-Trichlorophenol	ND	ug/L	50.0	1	09/28/20 22:11	09/30/20 12:22	95-95-4		
2,4,6-Trichlorophenol	ND	ug/L	10.0	1	09/28/20 22:11	09/30/20 12:22	88-06-2		
Surrogates									
Nitrobenzene-d5 (S)	74	%	27-106	1	09/28/20 22:11	09/30/20 12:22	4165-60-0		
2-Fluorobiphenyl (S)	67	%	29-108	1	09/28/20 22:11	09/30/20 12:22	321-60-8		
Terphenyl-d14 (S)	86	%	34-129	1	09/28/20 22:11	09/30/20 12:22	1718-51-0		
Phenol-d6 (S)	32	%	10-44	1	09/28/20 22:11	09/30/20 12:22	13127-88-3		
2-Fluorophenol (S)	47	%	11-64	1	09/28/20 22:11	09/30/20 12:22	367-12-4		
2,4,6-Tribromophenol (S)	79	%	16-114	1	09/28/20 22:11	09/30/20 12:22	118-79-6		
8260 MSV	Analytical Method: EPA 5030B/8260								
	Pace Analytical Services - Kansas City								
Acetone	ND	ug/L	10.0	1		09/25/20 12:39	67-64-1		
Benzene	ND	ug/L	1.0	1		09/25/20 12:39	71-43-2		
Bromobenzene	ND	ug/L	1.0	1		09/25/20 12:39	108-86-1		
Bromochloromethane	ND	ug/L	1.0	1		09/25/20 12:39	74-97-5		
Bromodichloromethane	ND	ug/L	1.0	1		09/25/20 12:39	75-27-4		
Bromoform	ND	ug/L	1.0	1		09/25/20 12:39	75-25-2		
Bromomethane	ND	ug/L	5.0	1		09/25/20 12:39	74-83-9		
2-Butanone (MEK)	ND	ug/L	10.0	1		09/25/20 12:39	78-93-3		
n-Butylbenzene	ND	ug/L	1.0	1		09/25/20 12:39	104-51-8		
sec-Butylbenzene	ND	ug/L	1.0	1		09/25/20 12:39	135-98-8		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: PINE LAWN

Pace Project No.: 60349234

Sample: PINE LAWN-FB2		Lab ID: 60349234005	Collected: 09/22/20 13:05	Received: 09/23/20 04:59	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 5030B/8260 Pace Analytical Services - Kansas City						
tert-Butylbenzene	ND	ug/L	1.0	1		09/25/20 12:39	98-06-6	
Carbon disulfide	ND	ug/L	5.0	1		09/25/20 12:39	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	1		09/25/20 12:39	56-23-5	
Chlorobenzene	ND	ug/L	1.0	1		09/25/20 12:39	108-90-7	
Chloroethane	ND	ug/L	1.0	1		09/25/20 12:39	75-00-3	
Chloroform	ND	ug/L	1.0	1		09/25/20 12:39	67-66-3	
Chloromethane	ND	ug/L	1.0	1		09/25/20 12:39	74-87-3	
2-Chlorotoluene	ND	ug/L	1.0	1		09/25/20 12:39	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	1		09/25/20 12:39	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	2.5	1		09/25/20 12:39	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	1		09/25/20 12:39	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	1		09/25/20 12:39	106-93-4	
Dibromomethane	ND	ug/L	1.0	1		09/25/20 12:39	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	1		09/25/20 12:39	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	1		09/25/20 12:39	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	1		09/25/20 12:39	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	1		09/25/20 12:39	75-71-8	L2
1,1-Dichloroethane	ND	ug/L	1.0	1		09/25/20 12:39	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	1		09/25/20 12:39	107-06-2	
1,2-Dichloroethene (Total)	ND	ug/L	1.0	1		09/25/20 12:39	540-59-0	
1,1-Dichloroethene	ND	ug/L	1.0	1		09/25/20 12:39	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	1		09/25/20 12:39	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		09/25/20 12:39	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	1		09/25/20 12:39	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	1		09/25/20 12:39	142-28-9	
2,2-Dichloropropane	ND	ug/L	1.0	1		09/25/20 12:39	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	1		09/25/20 12:39	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	1.0	1		09/25/20 12:39	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	1		09/25/20 12:39	10061-02-6	
Ethylbenzene	ND	ug/L	1.0	1		09/25/20 12:39	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	1.0	1		09/25/20 12:39	87-68-3	
2-Hexanone	ND	ug/L	10.0	1		09/25/20 12:39	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	1.0	1		09/25/20 12:39	98-82-8	
p-Isopropyltoluene	ND	ug/L	1.0	1		09/25/20 12:39	99-87-6	
Methylene Chloride	ND	ug/L	1.0	1		09/25/20 12:39	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	10.0	1		09/25/20 12:39	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	1.0	1		09/25/20 12:39	1634-04-4	
Naphthalene	ND	ug/L	10.0	1		09/25/20 12:39	91-20-3	
n-Propylbenzene	ND	ug/L	1.0	1		09/25/20 12:39	103-65-1	
Styrene	ND	ug/L	1.0	1		09/25/20 12:39	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	1		09/25/20 12:39	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	1		09/25/20 12:39	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	1		09/25/20 12:39	127-18-4	
Toluene	ND	ug/L	1.0	1		09/25/20 12:39	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	1		09/25/20 12:39	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	1		09/25/20 12:39	120-82-1	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: PINE LAWN

Pace Project No.: 60349234

Sample: PINE LAWN-FB2		Lab ID: 60349234005	Collected: 09/22/20 13:05	Received: 09/23/20 04:59	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 5030B/8260 Pace Analytical Services - Kansas City						
1,1,1-Trichloroethane	ND	ug/L	1.0	1		09/25/20 12:39	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	1		09/25/20 12:39	79-00-5	
Trichloroethene	ND	ug/L	1.0	1		09/25/20 12:39	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		09/25/20 12:39	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	2.5	1		09/25/20 12:39	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/L	1.0	1		09/25/20 12:39	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	1.0	1		09/25/20 12:39	108-67-8	
Vinyl chloride	ND	ug/L	1.0	1		09/25/20 12:39	75-01-4	
Xylene (Total)	ND	ug/L	3.0	1		09/25/20 12:39	1330-20-7	
Surrogates								
4-Bromofluorobenzene (S)	96	%	80-120	1		09/25/20 12:39	460-00-4	
1,2-Dichloroethane-d4 (S)	98	%	86-117	1		09/25/20 12:39	17060-07-0	
Toluene-d8 (S)	97	%	80-120	1		09/25/20 12:39	2037-26-5	
Preservation pH	1.0		0.10	1		09/25/20 12:39		
8260 MSV GRO and Oxygenates		Analytical Method: EPA 8260 Pace Analytical Services - Kansas City						
TPH-GRO	ND	ug/L	500	1		09/25/20 12:39		
Surrogates								
Toluene-d8 (S)	97	%	80-120	1		09/25/20 12:39	2037-26-5	
4-Bromofluorobenzene (S)	96	%	80-120	1		09/25/20 12:39	460-00-4	
1,2-Dichloroethane-d4 (S)	98	%	86-117	1		09/25/20 12:39	17060-07-0	
Preservation pH	1.0		0.10	1		09/25/20 12:39		

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ANALYTICAL RESULTS

Project: PINE LAWN

Pace Project No.: 60349234

Sample: PINE LAWN-GW-TB2		Lab ID: 60349234006	Collected: 09/22/20 13:22	Received: 09/23/20 04:59	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 5030B/8260						
		Pace Analytical Services - Kansas City						
Acetone	ND	ug/L	10.0	1		09/25/20 12:07	67-64-1	
Benzene	ND	ug/L	1.0	1		09/25/20 12:07	71-43-2	
Bromobenzene	ND	ug/L	1.0	1		09/25/20 12:07	108-86-1	
Bromochloromethane	ND	ug/L	1.0	1		09/25/20 12:07	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	1		09/25/20 12:07	75-27-4	
Bromoform	ND	ug/L	1.0	1		09/25/20 12:07	75-25-2	
Bromomethane	ND	ug/L	5.0	1		09/25/20 12:07	74-83-9	
2-Butanone (MEK)	ND	ug/L	10.0	1		09/25/20 12:07	78-93-3	
n-Butylbenzene	ND	ug/L	1.0	1		09/25/20 12:07	104-51-8	
sec-Butylbenzene	ND	ug/L	1.0	1		09/25/20 12:07	135-98-8	
tert-Butylbenzene	ND	ug/L	1.0	1		09/25/20 12:07	98-06-6	
Carbon disulfide	ND	ug/L	5.0	1		09/25/20 12:07	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	1		09/25/20 12:07	56-23-5	
Chlorobenzene	ND	ug/L	1.0	1		09/25/20 12:07	108-90-7	
Chloroethane	ND	ug/L	1.0	1		09/25/20 12:07	75-00-3	
Chloroform	ND	ug/L	1.0	1		09/25/20 12:07	67-66-3	
Chloromethane	ND	ug/L	1.0	1		09/25/20 12:07	74-87-3	
2-Chlorotoluene	ND	ug/L	1.0	1		09/25/20 12:07	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	1		09/25/20 12:07	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	2.5	1		09/25/20 12:07	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	1		09/25/20 12:07	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	1		09/25/20 12:07	106-93-4	
Dibromomethane	ND	ug/L	1.0	1		09/25/20 12:07	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	1		09/25/20 12:07	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	1		09/25/20 12:07	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	1		09/25/20 12:07	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	1		09/25/20 12:07	75-71-8	L2
1,1-Dichloroethane	ND	ug/L	1.0	1		09/25/20 12:07	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	1		09/25/20 12:07	107-06-2	
1,2-Dichloroethene (Total)	ND	ug/L	1.0	1		09/25/20 12:07	540-59-0	
1,1-Dichloroethene	ND	ug/L	1.0	1		09/25/20 12:07	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	1		09/25/20 12:07	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		09/25/20 12:07	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	1		09/25/20 12:07	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	1		09/25/20 12:07	142-28-9	
2,2-Dichloropropane	ND	ug/L	1.0	1		09/25/20 12:07	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	1		09/25/20 12:07	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	1.0	1		09/25/20 12:07	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	1		09/25/20 12:07	10061-02-6	
Ethylbenzene	ND	ug/L	1.0	1		09/25/20 12:07	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	1.0	1		09/25/20 12:07	87-68-3	
2-Hexanone	ND	ug/L	10.0	1		09/25/20 12:07	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	1.0	1		09/25/20 12:07	98-82-8	
p-Isopropyltoluene	ND	ug/L	1.0	1		09/25/20 12:07	99-87-6	
Methylene Chloride	ND	ug/L	1.0	1		09/25/20 12:07	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	10.0	1		09/25/20 12:07	108-10-1	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: PINE LAWN

Pace Project No.: 60349234

Sample: PINE LAWN-GW-TB2		Lab ID: 60349234006		Collected: 09/22/20 13:22		Received: 09/23/20 04:59		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
8260 MSV		Analytical Method: EPA 5030B/8260							
		Pace Analytical Services - Kansas City							
Methyl-tert-butyl ether	ND	ug/L	1.0	1		09/25/20 12:07	1634-04-4		
Naphthalene	ND	ug/L	10.0	1		09/25/20 12:07	91-20-3		
n-Propylbenzene	ND	ug/L	1.0	1		09/25/20 12:07	103-65-1		
Styrene	ND	ug/L	1.0	1		09/25/20 12:07	100-42-5		
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	1		09/25/20 12:07	630-20-6		
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	1		09/25/20 12:07	79-34-5		
Tetrachloroethene	ND	ug/L	1.0	1		09/25/20 12:07	127-18-4		
Toluene	ND	ug/L	1.0	1		09/25/20 12:07	108-88-3		
1,2,3-Trichlorobenzene	ND	ug/L	1.0	1		09/25/20 12:07	87-61-6		
1,2,4-Trichlorobenzene	ND	ug/L	1.0	1		09/25/20 12:07	120-82-1		
1,1,1-Trichloroethane	ND	ug/L	1.0	1		09/25/20 12:07	71-55-6		
1,1,2-Trichloroethane	ND	ug/L	1.0	1		09/25/20 12:07	79-00-5		
Trichloroethene	ND	ug/L	1.0	1		09/25/20 12:07	79-01-6		
Trichlorofluoromethane	ND	ug/L	1.0	1		09/25/20 12:07	75-69-4		
1,2,3-Trichloropropane	ND	ug/L	2.5	1		09/25/20 12:07	96-18-4		
1,2,4-Trimethylbenzene	ND	ug/L	1.0	1		09/25/20 12:07	95-63-6		
1,3,5-Trimethylbenzene	ND	ug/L	1.0	1		09/25/20 12:07	108-67-8		
Vinyl chloride	ND	ug/L	1.0	1		09/25/20 12:07	75-01-4		
Xylene (Total)	ND	ug/L	3.0	1		09/25/20 12:07	1330-20-7		
Surrogates									
4-Bromofluorobenzene (S)	102	%	80-120	1		09/25/20 12:07	460-00-4		
1,2-Dichloroethane-d4 (S)	99	%	86-117	1		09/25/20 12:07	17060-07-0		
Toluene-d8 (S)	97	%	80-120	1		09/25/20 12:07	2037-26-5		
Preservation pH	1.0		0.10	1		09/25/20 12:07			

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: PINE LAWN

Pace Project No.: 60349234

QC Batch: 679620

Analysis Method: EPA 7470

QC Batch Method: EPA 7470

Analysis Description: 7470 Mercury

Laboratory: Pace Analytical Services - Kansas City

Associated Lab Samples: 60349234002, 60349234003, 60349234004, 60349234005

METHOD BLANK: 2747878

Matrix: Water

Associated Lab Samples: 60349234002, 60349234003, 60349234004, 60349234005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury	ug/L	ND	0.20	10/01/20 10:47	

LABORATORY CONTROL SAMPLE: 2747879

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	5	5.0	100	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2747880 2747881

Parameter	Units	60349231003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	ug/L	ND	5	5	5.3	5.0	106	100	75-125	6	20	

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QUALITY CONTROL DATA

Project: PINE LAWN
Pace Project No.: 60349234

QC Batch: 679617 Analysis Method: EPA 7470
QC Batch Method: EPA 7470 Analysis Description: 7470 Mercury ,Dissolved
Laboratory: Pace Analytical Services - Kansas City
Associated Lab Samples: 60349234002, 60349234003, 60349234004, 60349234005

METHOD BLANK: 2747874 Matrix: Water
Associated Lab Samples: 60349234002, 60349234003, 60349234004, 60349234005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury, Dissolved	ug/L	ND	0.20	10/01/20 09:57	

LABORATORY CONTROL SAMPLE: 2747875

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury, Dissolved	ug/L	5	5.2	105	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2747876 2747877

Parameter	Units	60349234004 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury, Dissolved	ug/L	ND	5	5	4.7	4.6	94	93	75-125	1	20	

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QUALITY CONTROL DATA

Project: PINE LAWN

Pace Project No.: 60349234

QC Batch: 679970

Analysis Method: EPA 7471

QC Batch Method: EPA 7471

Analysis Description: 7471 Mercury

Laboratory: Pace Analytical Services - Kansas City

Associated Lab Samples: 60349234001

METHOD BLANK: 2748882

Matrix: Solid

Associated Lab Samples: 60349234001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury	mg/kg	ND	0.050	10/01/20 12:26	

LABORATORY CONTROL SAMPLE: 2748883

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	mg/kg	0.5	0.52	104	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2748884 2748885

Parameter	Units	60349230001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	mg/kg	ND	0.53	0.52	0.58	0.53	102	96	75-125	8	20	

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QUALITY CONTROL DATA

Project: PINE LAWN
Pace Project No.: 60349234

QC Batch: 680399	Analysis Method: EPA 6010
QC Batch Method: EPA 3050	Analysis Description: 6010 MET
	Laboratory: Pace Analytical Services - Kansas City

Associated Lab Samples: 60349234001

METHOD BLANK: 2750577 Matrix: Solid

Associated Lab Samples: 60349234001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Arsenic	mg/kg	ND	1.0	10/05/20 13:34	
Barium	mg/kg	ND	0.50	10/05/20 13:34	
Cadmium	mg/kg	ND	0.50	10/05/20 13:34	
Chromium	mg/kg	ND	0.50	10/05/20 13:34	
Lead	mg/kg	ND	1.0	10/05/20 13:34	
Selenium	mg/kg	ND	1.5	10/05/20 13:34	
Silver	mg/kg	ND	0.70	10/05/20 13:34	

LABORATORY CONTROL SAMPLE: 2750578

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Arsenic	mg/kg	100	101	101	80-120	
Barium	mg/kg	100	104	104	80-120	
Cadmium	mg/kg	100	101	101	80-120	
Chromium	mg/kg	100	106	106	80-120	
Lead	mg/kg	100	107	107	80-120	
Selenium	mg/kg	100	99.6	100	80-120	
Silver	mg/kg	50	51.4	103	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2750579 2750580

Parameter	Units	60349230001		MS		MSD		MS		MSD		% Rec		Max	
		Result	Conc.	Spike Conc.	Conc.	Result	Result	% Rec	% Rec	% Rec	% Rec	Limits	RPD	RPD	Qual
Arsenic	mg/kg	5.0	96.8	93.7	93.2	89.5	91	90	75-125	4	20				
Barium	mg/kg	69.8	96.8	93.7	173	168	107	104	75-125	3	20				
Cadmium	mg/kg	ND	96.8	93.7	87.0	83.4	90	89	75-125	4	20				
Chromium	mg/kg	26.8	96.8	93.7	130	125	107	104	75-125	4	20				
Lead	mg/kg	11.2	96.8	93.7	101	97.3	92	92	75-125	3	20				
Selenium	mg/kg	ND	96.8	93.7	82.9	79.7	86	85	75-125	4	20				
Silver	mg/kg	ND	48.4	46.9	46.6	44.5	95	94	75-125	4	20				

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: PINE LAWN
Pace Project No.: 60349234

QC Batch: 680313 Analysis Method: EPA 6010
QC Batch Method: EPA 3010 Analysis Description: 6010 MET
Laboratory: Pace Analytical Services - Kansas City
Associated Lab Samples: 60349234002, 60349234003, 60349234004, 60349234005

METHOD BLANK: 2750129 Matrix: Water
Associated Lab Samples: 60349234002, 60349234003, 60349234004, 60349234005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Arsenic	ug/L	ND	10.0	10/02/20 15:58	
Barium	ug/L	ND	5.0	10/02/20 15:58	
Cadmium	ug/L	ND	5.0	10/02/20 15:58	
Chromium	ug/L	ND	5.0	10/02/20 15:58	
Lead	ug/L	ND	10.0	10/02/20 15:58	
Selenium	ug/L	ND	15.0	10/02/20 15:58	
Silver	ug/L	ND	7.0	10/02/20 15:58	

LABORATORY CONTROL SAMPLE: 2750130

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Arsenic	ug/L	1000	979	98	80-120	
Barium	ug/L	1000	936	94	80-120	
Cadmium	ug/L	1000	989	99	80-120	
Chromium	ug/L	1000	970	97	80-120	
Lead	ug/L	1000	1000	100	80-120	
Selenium	ug/L	1000	1020	102	80-120	
Silver	ug/L	500	481	96	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2750131 2750132

Parameter	Units	60349231003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Arsenic	ug/L	ND	1000	1000	962	980	96	98	75-125	2	20	
Barium	ug/L	ND	1000	1000	928	943	93	94	75-125	2	20	
Cadmium	ug/L	ND	1000	1000	974	992	97	99	75-125	2	20	
Chromium	ug/L	ND	1000	1000	961	992	96	99	75-125	3	20	
Lead	ug/L	ND	1000	1000	994	1010	99	101	75-125	1	20	
Selenium	ug/L	ND	1000	1000	999	1020	100	102	75-125	2	20	
Silver	ug/L	ND	500	500	480	487	96	97	75-125	1	20	

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QUALITY CONTROL DATA

Project: PINE LAWN
Pace Project No.: 60349234

QC Batch: 680316 Analysis Method: EPA 6010
QC Batch Method: EPA 3010 Analysis Description: 6010 MET Dissolved
Laboratory: Pace Analytical Services - Kansas City
Associated Lab Samples: 60349234002, 60349234003, 60349234004, 60349234005

METHOD BLANK: 2750140 Matrix: Water
Associated Lab Samples: 60349234002, 60349234003, 60349234004, 60349234005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Arsenic, Dissolved	ug/L	ND	10.0	10/02/20 15:20	
Barium, Dissolved	ug/L	ND	5.0	10/02/20 15:20	
Cadmium, Dissolved	ug/L	ND	5.0	10/02/20 15:20	
Chromium, Dissolved	ug/L	ND	5.0	10/02/20 15:20	
Lead, Dissolved	ug/L	ND	10.0	10/02/20 15:20	
Selenium, Dissolved	ug/L	ND	15.0	10/02/20 15:20	
Silver, Dissolved	ug/L	ND	7.0	10/02/20 15:20	

LABORATORY CONTROL SAMPLE: 2750141

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Arsenic, Dissolved	ug/L	1000	934	93	80-120	
Barium, Dissolved	ug/L	1000	904	90	80-120	
Cadmium, Dissolved	ug/L	1000	951	95	80-120	
Chromium, Dissolved	ug/L	1000	939	94	80-120	
Lead, Dissolved	ug/L	1000	968	97	80-120	
Selenium, Dissolved	ug/L	1000	979	98	80-120	
Silver, Dissolved	ug/L	500	465	93	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2750142 2750143

Parameter	Units	60348891001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Arsenic, Dissolved	ug/L	ND	1000	1000	970	1000	97	100	75-125	3	20	
Barium, Dissolved	ug/L	68.4	1000	1000	992	1000	92	93	75-125	1	20	
Cadmium, Dissolved	ug/L	ND	1000	1000	957	975	95	97	75-125	2	20	
Chromium, Dissolved	ug/L	ND	1000	1000	936	945	93	94	75-125	1	20	
Lead, Dissolved	ug/L	ND	1000	1000	950	969	95	97	75-125	2	20	
Selenium, Dissolved	ug/L	ND	1000	1000	980	994	98	99	75-125	1	20	
Silver, Dissolved	ug/L	ND	500	500	466	473	93	95	75-125	1	20	

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QUALITY CONTROL DATA

Project: PINE LAWN

Pace Project No.: 60349234

QC Batch: 678876

Analysis Method: EPA 8260B

QC Batch Method: EPA 5035A/5030

Analysis Description: 8260 MSV 5035A Volatile Organics

Laboratory: Pace Analytical Services - Kansas City

Associated Lab Samples: 60349234001

METHOD BLANK: 2744715

Matrix: Solid

Associated Lab Samples: 60349234001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	ND	5.0	09/24/20 21:41	
1,1,1-Trichloroethane	ug/kg	ND	5.0	09/24/20 21:41	
1,1,2,2-Tetrachloroethane	ug/kg	ND	5.0	09/24/20 21:41	
1,1,2-Trichloroethane	ug/kg	ND	5.0	09/24/20 21:41	
1,1-Dichloroethane	ug/kg	ND	5.0	09/24/20 21:41	
1,1-Dichloroethene	ug/kg	ND	5.0	09/24/20 21:41	
1,1-Dichloropropene	ug/kg	ND	5.0	09/24/20 21:41	
1,2,3-Trichlorobenzene	ug/kg	ND	5.0	09/24/20 21:41	
1,2,3-Trichloropropane	ug/kg	ND	5.0	09/24/20 21:41	
1,2,4-Trichlorobenzene	ug/kg	ND	5.0	09/24/20 21:41	
1,2,4-Trimethylbenzene	ug/kg	ND	5.0	09/24/20 21:41	
1,2-Dibromo-3-chloropropane	ug/kg	ND	10.0	09/24/20 21:41	
1,2-Dibromoethane (EDB)	ug/kg	ND	5.0	09/24/20 21:41	
1,2-Dichlorobenzene	ug/kg	ND	5.0	09/24/20 21:41	
1,2-Dichloroethane	ug/kg	ND	5.0	09/24/20 21:41	
1,2-Dichloroethene (Total)	ug/kg	ND	5.0	09/24/20 21:41	
1,2-Dichloropropane	ug/kg	ND	5.0	09/24/20 21:41	
1,3,5-Trimethylbenzene	ug/kg	ND	5.0	09/24/20 21:41	
1,3-Dichlorobenzene	ug/kg	ND	5.0	09/24/20 21:41	
1,3-Dichloropropane	ug/kg	ND	5.0	09/24/20 21:41	
1,4-Dichlorobenzene	ug/kg	ND	5.0	09/24/20 21:41	
2,2-Dichloropropane	ug/kg	ND	5.0	09/24/20 21:41	
2-Butanone (MEK)	ug/kg	ND	10.0	09/24/20 21:41	
2-Chlorotoluene	ug/kg	ND	5.0	09/24/20 21:41	
2-Hexanone	ug/kg	ND	20.0	09/24/20 21:41	
4-Chlorotoluene	ug/kg	ND	5.0	09/24/20 21:41	
4-Methyl-2-pentanone (MIBK)	ug/kg	ND	10.0	09/24/20 21:41	
Acetone	ug/kg	ND	20.0	09/24/20 21:41	
Benzene	ug/kg	ND	5.0	09/24/20 21:41	
Bromobenzene	ug/kg	ND	5.0	09/24/20 21:41	
Bromochloromethane	ug/kg	ND	5.0	09/24/20 21:41	
Bromodichloromethane	ug/kg	ND	5.0	09/24/20 21:41	
Bromoform	ug/kg	ND	5.0	09/24/20 21:41	
Bromomethane	ug/kg	ND	5.0	09/24/20 21:41	
Carbon disulfide	ug/kg	ND	5.0	09/24/20 21:41	
Carbon tetrachloride	ug/kg	ND	5.0	09/24/20 21:41	
Chlorobenzene	ug/kg	ND	5.0	09/24/20 21:41	
Chloroethane	ug/kg	ND	5.0	09/24/20 21:41	
Chloroform	ug/kg	ND	5.0	09/24/20 21:41	
Chloromethane	ug/kg	ND	5.0	09/24/20 21:41	

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QUALITY CONTROL DATA

Project: PINE LAWN

Pace Project No.: 60349234

METHOD BLANK: 2744715

Matrix: Solid

Associated Lab Samples: 60349234001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
cis-1,2-Dichloroethene	ug/kg	ND	5.0	09/24/20 21:41	
cis-1,3-Dichloropropene	ug/kg	ND	5.0	09/24/20 21:41	
Dibromochloromethane	ug/kg	ND	5.0	09/24/20 21:41	
Dibromomethane	ug/kg	ND	5.0	09/24/20 21:41	
Dichlorodifluoromethane	ug/kg	ND	5.0	09/24/20 21:41	
Ethylbenzene	ug/kg	ND	5.0	09/24/20 21:41	
Hexachloro-1,3-butadiene	ug/kg	ND	5.0	09/24/20 21:41	
Isopropylbenzene (Cumene)	ug/kg	ND	5.0	09/24/20 21:41	
Methyl-tert-butyl ether	ug/kg	ND	5.0	09/24/20 21:41	
Methylene Chloride	ug/kg	ND	5.0	09/24/20 21:41	
n-Butylbenzene	ug/kg	ND	5.0	09/24/20 21:41	
n-Propylbenzene	ug/kg	ND	5.0	09/24/20 21:41	
Naphthalene	ug/kg	ND	10.0	09/24/20 21:41	
p-Isopropyltoluene	ug/kg	ND	5.0	09/24/20 21:41	
sec-Butylbenzene	ug/kg	ND	5.0	09/24/20 21:41	
Styrene	ug/kg	ND	5.0	09/24/20 21:41	
tert-Butylbenzene	ug/kg	ND	25.0	09/24/20 21:41	
Tetrachloroethene	ug/kg	ND	5.0	09/24/20 21:41	
Toluene	ug/kg	ND	5.0	09/24/20 21:41	
trans-1,2-Dichloroethene	ug/kg	ND	5.0	09/24/20 21:41	
trans-1,3-Dichloropropene	ug/kg	ND	5.0	09/24/20 21:41	
Trichloroethene	ug/kg	ND	5.0	09/24/20 21:41	
Trichlorofluoromethane	ug/kg	ND	5.0	09/24/20 21:41	
Vinyl chloride	ug/kg	ND	5.0	09/24/20 21:41	
Xylene (Total)	ug/kg	ND	5.0	09/24/20 21:41	
1,2-Dichloroethane-d4 (S)	%	96	78-118	09/24/20 21:41	
4-Bromofluorobenzene (S)	%	97	85-115	09/24/20 21:41	
Toluene-d8 (S)	%	103	80-120	09/24/20 21:41	

LABORATORY CONTROL SAMPLE: 2744716

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	100	109	109	84-125	
1,1,1-Trichloroethane	ug/kg	100	99.3	99	81-121	
1,1,2,2-Tetrachloroethane	ug/kg	100	102	102	76-121	
1,1,2-Trichloroethane	ug/kg	100	108	108	83-118	
1,1-Dichloroethane	ug/kg	100	111	111	74-120	
1,1-Dichloroethene	ug/kg	100	101	101	71-124	
1,1-Dichloropropene	ug/kg	100	87.8	88	73-123	
1,2,3-Trichlorobenzene	ug/kg	100	109	109	81-123	
1,2,3-Trichloropropane	ug/kg	100	107	107	81-116	
1,2,4-Trichlorobenzene	ug/kg	100	107	107	79-126	
1,2,4-Trimethylbenzene	ug/kg	100	102	102	79-121	
1,2-Dibromo-3-chloropropane	ug/kg	100	103	103	74-125	

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QUALITY CONTROL DATA

Project: PINE LAWN

Pace Project No.: 60349234

LABORATORY CONTROL SAMPLE: 2744716

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dibromoethane (EDB)	ug/kg	100	110	110	64-137	
1,2-Dichlorobenzene	ug/kg	100	106	106	83-119	
1,2-Dichloroethane	ug/kg	100	99.4	99	58-128	
1,2-Dichloroethene (Total)	ug/kg	200	207	104	82-117	
1,2-Dichloropropane	ug/kg	100	102	102	77-122	
1,3,5-Trimethylbenzene	ug/kg	100	103	103	81-122	
1,3-Dichlorobenzene	ug/kg	100	104	104	83-119	
1,3-Dichloropropane	ug/kg	100	107	107	83-118	
1,4-Dichlorobenzene	ug/kg	100	98.6	99	83-116	
2,2-Dichloropropane	ug/kg	100	96.6	97	76-124	
2-Butanone (MEK)	ug/kg	500	505	101	63-122	
2-Chlorotoluene	ug/kg	100	101	101	79-119	
2-Hexanone	ug/kg	500	522	104	68-122	
4-Chlorotoluene	ug/kg	100	102	102	84-119	
4-Methyl-2-pentanone (MIBK)	ug/kg	500	521	104	63-128	
Acetone	ug/kg	500	466	93	55-124	
Benzene	ug/kg	100	98.3	98	67-126	
Bromobenzene	ug/kg	100	106	106	85-117	
Bromochloromethane	ug/kg	100	110	110	78-122	
Bromodichloromethane	ug/kg	100	107	107	82-120	
Bromoform	ug/kg	100	119	119	77-133	
Bromomethane	ug/kg	100	76.4	76	20-168	
Carbon disulfide	ug/kg	100	113	113	60-133	
Carbon tetrachloride	ug/kg	100	106	106	79-128	
Chlorobenzene	ug/kg	100	105	105	84-118	
Chloroethane	ug/kg	100	86.9	87	53-139	
Chloroform	ug/kg	100	103	103	82-120	
Chloromethane	ug/kg	100	59.4	59	33-143	
cis-1,2-Dichloroethene	ug/kg	100	103	103	83-117	
cis-1,3-Dichloropropene	ug/kg	100	104	104	80-122	
Dibromochloromethane	ug/kg	100	118	118	82-128	
Dibromomethane	ug/kg	100	106	106	82-119	
Dichlorodifluoromethane	ug/kg	100	38.4	38	12-159	
Ethylbenzene	ug/kg	100	100	100	69-127	
Hexachloro-1,3-butadiene	ug/kg	100	105	105	77-133	
Isopropylbenzene (Cumene)	ug/kg	100	100	100	83-122	
Methyl-tert-butyl ether	ug/kg	100	105	105	58-137	
Methylene Chloride	ug/kg	100	97.3	97	68-125	
n-Butylbenzene	ug/kg	100	105	105	73-131	
n-Propylbenzene	ug/kg	100	101	101	82-122	
Naphthalene	ug/kg	100	115	115	60-136	
p-Isopropyltoluene	ug/kg	100	93.5	93	74-129	
sec-Butylbenzene	ug/kg	100	110	110	71-133	
Styrene	ug/kg	100	109	109	84-121	
tert-Butylbenzene	ug/kg	100	101	101	81-122	
Tetrachloroethene	ug/kg	100	107	107	78-130	
Toluene	ug/kg	100	100	100	80-118	

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QUALITY CONTROL DATA

Project: PINE LAWN

Pace Project No.: 60349234

LABORATORY CONTROL SAMPLE: 2744716

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
trans-1,2-Dichloroethene	ug/kg	100	104	104	78-118	
trans-1,3-Dichloropropene	ug/kg	100	111	111	81-123	
Trichloroethene	ug/kg	100	105	105	78-127	
Trichlorofluoromethane	ug/kg	100	100	100	64-133	
Vinyl chloride	ug/kg	100	71.6	72	45-139	
Xylene (Total)	ug/kg	300	305	102	69-130	
1,2-Dichloroethane-d4 (S)	%			96	78-118	
4-Bromofluorobenzene (S)	%			95	85-115	
Toluene-d8 (S)	%			101	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2744717 2744718

Parameter	Units	60348965007		MS		MSD		MS	MSD	% Rec	% Rec	% Rec	Limits	RPD	Max RPD	Qual
		Result	Conc.	Spike Conc.	Conc.	Result	Conc.	Result	Conc.	Result	Result	Result	Result	Result	Result	Result
1,1,1,2-Tetrachloroethane	ug/kg	ND	123	123	123	102	103	83	84	10-133	1	39				
1,1,1-Trichloroethane	ug/kg	ND	123	123	123	90.7	93.4	74	76	30-131	3	28				
1,1,2,2-Tetrachloroethane	ug/kg	ND	123	123	123	96.4	94.6	78	77	10-139	2	49				
1,1,2-Trichloroethane	ug/kg	ND	123	123	123	102	100	83	82	10-145	2	41				
1,1-Dichloroethane	ug/kg	ND	123	123	123	92.0	94.9	75	77	24-125	3	31				
1,1-Dichloroethene	ug/kg	ND	123	123	123	71.5	75.7	58	62	34-118	6	30				
1,1-Dichloropropene	ug/kg	ND	123	123	123	88.3	89.9	72	73	29-116	2	30				
1,2,3-Trichlorobenzene	ug/kg	ND	123	123	123	88.7	90.7	72	74	10-115	2	40				
1,2,3-Trichloropropane	ug/kg	ND	123	123	123	99.2	95.3	81	78	10-150	4	46				
1,2,4-Trichlorobenzene	ug/kg	ND	123	123	123	84.9	88.1	69	72	10-115	4	44				
1,2,4-Trimethylbenzene	ug/kg	ND	123	123	123	91.2	91.9	74	75	10-123	1	37				
1,2-Dibromo-3-chloropropane	ug/kg	ND	123	123	123	91.4	91.4	74	74	10-136	0	42				
1,2-Dibromoethane (EDB)	ug/kg	ND	123	123	123	104	104	85	84	24-149	1	29				
1,2-Dichlorobenzene	ug/kg	ND	123	123	123	94.0	94.6	76	77	10-123	1	41				
1,2-Dichloroethane	ug/kg	ND	123	123	123	89.1	89.3	72	73	23-140	0	29				
1,2-Dichloroethene (Total)	ug/kg	ND	246	246	246	174	180	71	73	30-119	3	32				
1,2-Dichloropropane	ug/kg	ND	123	123	123	92.0	93.8	75	76	13-132	2	33				
1,3,5-Trimethylbenzene	ug/kg	ND	123	123	123	92.4	93.3	75	76	10-124	1	40				
1,3-Dichlorobenzene	ug/kg	ND	123	123	123	92.0	92.6	75	75	10-122	1	42				
1,3-Dichloropropane	ug/kg	ND	123	123	123	100	98.7	81	80	10-135	2	36				
1,4-Dichlorobenzene	ug/kg	ND	123	123	123	89.7	90.7	73	74	10-120	1	38				
2,2-Dichloropropane	ug/kg	ND	123	123	123	76.3	79.1	62	64	22-135	4	31				
2-Butanone (MEK)	ug/kg	7.1J	615	614	614	439	436	70	70	12-127	1	37				
2-Chlorotoluene	ug/kg	ND	123	123	123	91.3	91.1	74	74	10-126	0	38				
2-Hexanone	ug/kg	ND	615	614	614	458	451	74	73	10-135	2	37				
4-Chlorotoluene	ug/kg	ND	123	123	123	90.6	91.1	74	74	10-129	1	40				
4-Methyl-2-pentanone (MIBK)	ug/kg	ND	615	614	614	454	451	74	74	10-129	1	36				
Acetone	ug/kg	92.5	615	614	614	448	448	58	58	10-143	0	34				
Benzene	ug/kg	ND	123	123	123	86.6	88.5	70	72	37-135	2	24				
Bromobenzene	ug/kg	ND	123	123	123	97.3	97.1	79	79	10-134	0	45				

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QUALITY CONTROL DATA

Project: PINE LAWN

Pace Project No.: 60349234

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2744717 2744718											
Parameter	Units	60348965007 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	Max RPD	Qual
Bromochloromethane	ug/kg	ND	123	123	98.3	98.7	80	80	17-129	0	34
Bromodichloromethane	ug/kg	ND	123	123	98.8	99.5	80	81	12-130	1	33
Bromoform	ug/kg	ND	123	123	109	110	89	90	10-135	1	39
Bromomethane	ug/kg	ND	123	123	45.0	51.4	37	42	10-124	13	41
Carbon disulfide	ug/kg	ND	123	123	60.0	65.6	49	53	17-116	9	28
Carbon tetrachloride	ug/kg	ND	123	123	91.7	96.6	75	79	29-127	5	35
Chlorobenzene	ug/kg	ND	123	123	98.6	99.4	80	81	10-133	1	33
Chloroethane	ug/kg	ND	123	123	52.5	57.4	43	47	25-116	9	33
Chloroform	ug/kg	ND	123	123	95.0	96.0	77	78	20-130	1	30
Chloromethane	ug/kg	ND	123	123	30.0	33.3	24	27	10-113	10	31
cis-1,2-Dichloroethene	ug/kg	ND	123	123	90.6	92.9	74	76	22-126	3	31
cis-1,3-Dichloropropene	ug/kg	ND	123	123	93.1	94.1	76	77	10-125	1	34
Dibromochloromethane	ug/kg	ND	123	123	107	108	87	88	10-138	0	38
Dibromomethane	ug/kg	ND	123	123	102	100	83	82	13-129	1	38
Dichlorodifluoromethane	ug/kg	ND	123	123	17.7	21.3	14	17	10-114	19	33
Ethylbenzene	ug/kg	ND	123	123	97.5	97.7	79	80	31-142	0	25
Hexachloro-1,3-butadiene	ug/kg	ND	123	123	85.9	86.8	70	71	10-124	1	41
Isopropylbenzene (Cumene)	ug/kg	ND	123	123	97.6	98.2	79	80	17-120	1	34
Methyl-tert-butyl ether	ug/kg	ND	123	123	86.9	88.0	71	72	30-143	1	28
Methylene Chloride	ug/kg	ND	123	123	79.5	81.8	65	67	24-121	3	33
n-Butylbenzene	ug/kg	ND	123	123	86.2	88.2	70	72	10-121	2	36
n-Propylbenzene	ug/kg	ND	123	123	91.8	92.5	75	75	12-125	1	37
Naphthalene	ug/kg	ND	123	123	98.8	98.4	80	80	10-156	0	34
p-Isopropyltoluene	ug/kg	ND	123	123	91.8	92.0	75	75	10-119	0	37
sec-Butylbenzene	ug/kg	ND	123	123	92.8	93.7	75	76	10-127	1	40
Styrene	ug/kg	ND	123	123	96.4	97.9	78	80	10-124	2	37
tert-Butylbenzene	ug/kg	ND	123	123	95.1	94.3	77	77	10-126	1	37
Tetrachloroethene	ug/kg	ND	123	123	100	101	81	82	15-133	1	36
Toluene	ug/kg	ND	123	123	94.8	95.0	77	77	40-137	0	25
trans-1,2-Dichloroethene	ug/kg	ND	123	123	83.6	86.7	68	71	22-129	4	34
trans-1,3-Dichloropropene	ug/kg	ND	123	123	94.6	96.5	77	79	10-130	2	35
Trichloroethene	ug/kg	ND	123	123	94.7	96.8	77	79	19-135	2	34
Trichlorofluoromethane	ug/kg	ND	123	123	64.1	70.4	52	57	16-132	9	28
Vinyl chloride	ug/kg	ND	123	123	38.2	41.9	31	34	14-116	9	28
Xylene (Total)	ug/kg	ND	370	368	287	290	78	79	19-153	1	27
1,2-Dichloroethane-d4 (S)	%						97	98	78-118		
4-Bromofluorobenzene (S)	%						95	94	85-115		
Toluene-d8 (S)	%						103	102	80-120		

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: PINE LAWN

Pace Project No.: 60349234

QC Batch: 678965

Analysis Method: EPA 5030B/8260

QC Batch Method: EPA 5030B/8260

Analysis Description: 8260 MSV Water 10 mL Purge

Laboratory: Pace Analytical Services - Kansas City

Associated Lab Samples: 60349234002, 60349234003, 60349234004, 60349234005, 60349234006

METHOD BLANK: 2745239

Matrix: Water

Associated Lab Samples: 60349234002, 60349234003, 60349234004, 60349234005, 60349234006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	1.0	09/25/20 11:51	
1,1,1-Trichloroethane	ug/L	ND	1.0	09/25/20 11:51	
1,1,2,2-Tetrachloroethane	ug/L	ND	1.0	09/25/20 11:51	
1,1,2-Trichloroethane	ug/L	ND	1.0	09/25/20 11:51	
1,1-Dichloroethane	ug/L	ND	1.0	09/25/20 11:51	
1,1-Dichloroethene	ug/L	ND	1.0	09/25/20 11:51	
1,1-Dichloropropene	ug/L	ND	1.0	09/25/20 11:51	
1,2,3-Trichlorobenzene	ug/L	ND	1.0	09/25/20 11:51	
1,2,3-Trichloropropane	ug/L	ND	2.5	09/25/20 11:51	
1,2,4-Trichlorobenzene	ug/L	ND	1.0	09/25/20 11:51	
1,2,4-Trimethylbenzene	ug/L	ND	1.0	09/25/20 11:51	
1,2-Dibromo-3-chloropropane	ug/L	ND	2.5	09/25/20 11:51	
1,2-Dibromoethane (EDB)	ug/L	ND	1.0	09/25/20 11:51	
1,2-Dichlorobenzene	ug/L	ND	1.0	09/25/20 11:51	
1,2-Dichloroethane	ug/L	ND	1.0	09/25/20 11:51	
1,2-Dichloroethene (Total)	ug/L	ND	1.0	09/25/20 11:51	
1,2-Dichloropropane	ug/L	ND	1.0	09/25/20 11:51	
1,3,5-Trimethylbenzene	ug/L	ND	1.0	09/25/20 11:51	
1,3-Dichlorobenzene	ug/L	ND	1.0	09/25/20 11:51	
1,3-Dichloropropane	ug/L	ND	1.0	09/25/20 11:51	
1,4-Dichlorobenzene	ug/L	ND	1.0	09/25/20 11:51	
2,2-Dichloropropane	ug/L	ND	1.0	09/25/20 11:51	
2-Butanone (MEK)	ug/L	ND	10.0	09/25/20 11:51	
2-Chlorotoluene	ug/L	ND	1.0	09/25/20 11:51	
2-Hexanone	ug/L	ND	10.0	09/25/20 11:51	
4-Chlorotoluene	ug/L	ND	1.0	09/25/20 11:51	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	10.0	09/25/20 11:51	
Acetone	ug/L	ND	10.0	09/25/20 11:51	
Benzene	ug/L	ND	1.0	09/25/20 11:51	
Bromobenzene	ug/L	ND	1.0	09/25/20 11:51	
Bromochloromethane	ug/L	ND	1.0	09/25/20 11:51	
Bromodichloromethane	ug/L	ND	1.0	09/25/20 11:51	
Bromoform	ug/L	ND	1.0	09/25/20 11:51	
Bromomethane	ug/L	ND	5.0	09/25/20 11:51	
Carbon disulfide	ug/L	ND	5.0	09/25/20 11:51	
Carbon tetrachloride	ug/L	ND	1.0	09/25/20 11:51	
Chlorobenzene	ug/L	ND	1.0	09/25/20 11:51	
Chloroethane	ug/L	ND	1.0	09/25/20 11:51	
Chloroform	ug/L	ND	1.0	09/25/20 11:51	
Chloromethane	ug/L	ND	1.0	09/25/20 11:51	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: PINE LAWN

Pace Project No.: 60349234

METHOD BLANK: 2745239

Matrix: Water

Associated Lab Samples: 60349234002, 60349234003, 60349234004, 60349234005, 60349234006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
cis-1,2-Dichloroethene	ug/L	ND	1.0	09/25/20 11:51	
cis-1,3-Dichloropropene	ug/L	ND	1.0	09/25/20 11:51	
Dibromochloromethane	ug/L	ND	1.0	09/25/20 11:51	
Dibromomethane	ug/L	ND	1.0	09/25/20 11:51	
Dichlorodifluoromethane	ug/L	ND	1.0	09/25/20 11:51	
Ethylbenzene	ug/L	ND	1.0	09/25/20 11:51	
Hexachloro-1,3-butadiene	ug/L	ND	1.0	09/25/20 11:51	
Isopropylbenzene (Cumene)	ug/L	ND	1.0	09/25/20 11:51	
Methyl-tert-butyl ether	ug/L	ND	1.0	09/25/20 11:51	
Methylene Chloride	ug/L	ND	1.0	09/25/20 11:51	
n-Butylbenzene	ug/L	ND	1.0	09/25/20 11:51	
n-Propylbenzene	ug/L	ND	1.0	09/25/20 11:51	
Naphthalene	ug/L	ND	10.0	09/25/20 11:51	
p-Isopropyltoluene	ug/L	ND	1.0	09/25/20 11:51	
sec-Butylbenzene	ug/L	ND	1.0	09/25/20 11:51	
Styrene	ug/L	ND	1.0	09/25/20 11:51	
tert-Butylbenzene	ug/L	ND	1.0	09/25/20 11:51	
Tetrachloroethene	ug/L	ND	1.0	09/25/20 11:51	
Toluene	ug/L	ND	1.0	09/25/20 11:51	
trans-1,2-Dichloroethene	ug/L	ND	1.0	09/25/20 11:51	
trans-1,3-Dichloropropene	ug/L	ND	1.0	09/25/20 11:51	
Trichloroethene	ug/L	ND	1.0	09/25/20 11:51	
Trichlorofluoromethane	ug/L	ND	1.0	09/25/20 11:51	
Vinyl chloride	ug/L	ND	1.0	09/25/20 11:51	
Xylene (Total)	ug/L	ND	3.0	09/25/20 11:51	
1,2-Dichloroethane-d4 (S)	%	101	86-117	09/25/20 11:51	
4-Bromofluorobenzene (S)	%	100	80-120	09/25/20 11:51	
Toluene-d8 (S)	%	99	80-120	09/25/20 11:51	

LABORATORY CONTROL SAMPLE: 2745240

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	20	23.2	116	85-118	
1,1,1-Trichloroethane	ug/L	20	19.2	96	85-118	
1,1,2,2-Tetrachloroethane	ug/L	20	21.6	108	78-118	
1,1,2-Trichloroethane	ug/L	20	22.9	114	82-117	
1,1-Dichloroethane	ug/L	20	20.2	101	85-120	
1,1-Dichloroethene	ug/L	20	19.6	98	81-124	
1,1-Dichloropropene	ug/L	20	17.8	89	71-119	
1,2,3-Trichlorobenzene	ug/L	20	19.8	99	76-120	
1,2,3-Trichloropropane	ug/L	20	21.6	108	78-123	
1,2,4-Trichlorobenzene	ug/L	20	20.6	103	77-117	
1,2,4-Trimethylbenzene	ug/L	20	21.7	109	85-120	
1,2-Dibromo-3-chloropropane	ug/L	20	20.1	100	68-125	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: PINE LAWN

Pace Project No.: 60349234

LABORATORY CONTROL SAMPLE: 2745240

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dibromoethane (EDB)	ug/L	20	22.3	111	83-120	
1,2-Dichlorobenzene	ug/L	20	21.3	106	80-120	
1,2-Dichloroethane	ug/L	20	19.2	96	79-118	
1,2-Dichloroethene (Total)	ug/L	40	41.1	103	84-118	
1,2-Dichloropropane	ug/L	20	20.6	103	85-117	
1,3,5-Trimethylbenzene	ug/L	20	21.3	107	80-118	
1,3-Dichlorobenzene	ug/L	20	21.5	107	80-120	
1,3-Dichloropropane	ug/L	20	22.1	111	85-120	
1,4-Dichlorobenzene	ug/L	20	20.1	101	84-115	
2,2-Dichloropropane	ug/L	20	22.4	112	60-129	
2-Butanone (MEK)	ug/L	100	116	116	70-125	
2-Chlorotoluene	ug/L	20	20.7	103	84-115	
2-Hexanone	ug/L	100	114	114	76-126	
4-Chlorotoluene	ug/L	20	21.2	106	83-116	
4-Methyl-2-pentanone (MIBK)	ug/L	100	117	117	73-131	
Acetone	ug/L	100	114	114	59-135	
Benzene	ug/L	20	20.1	100	82-115	
Bromobenzene	ug/L	20	20.6	103	84-115	
Bromochloromethane	ug/L	20	20.5	103	85-125	
Bromodichloromethane	ug/L	20	21.9	109	82-123	
Bromoform	ug/L	20	23.2	116	66-133	
Bromomethane	ug/L	20	18.0	90	27-179	
Carbon disulfide	ug/L	20	22.9	115	72-134	
Carbon tetrachloride	ug/L	20	20.7	103	80-121	
Chlorobenzene	ug/L	20	21.3	107	80-120	
Chloroethane	ug/L	20	18.2	91	78-145	
Chloroform	ug/L	20	19.8	99	84-116	
Chloromethane	ug/L	20	12.7	64	48-160	
cis-1,2-Dichloroethene	ug/L	20	20.5	103	85-115	
cis-1,3-Dichloropropene	ug/L	20	22.8	114	85-117	
Dibromochloromethane	ug/L	20	22.7	113	82-122	
Dibromomethane	ug/L	20	20.8	104	81-122	
Dichlorodifluoromethane	ug/L	20	9.4	47	50-173	L2,SS
Ethylbenzene	ug/L	20	19.4	97	79-115	
Hexachloro-1,3-butadiene	ug/L	20	22.6	113	75-120	
Isopropylbenzene (Cumene)	ug/L	20	20.7	103	84-117	
Methyl-tert-butyl ether	ug/L	20	22.1	111	77-126	
Methylene Chloride	ug/L	20	20.2	101	80-126	
n-Butylbenzene	ug/L	20	23.7	118	81-120	
n-Propylbenzene	ug/L	20	20.7	104	80-116	
Naphthalene	ug/L	20	20.1	100	73-126	
p-Isopropyltoluene	ug/L	20	20.1	100	74-121	
sec-Butylbenzene	ug/L	20	23.5	117	75-130	
Styrene	ug/L	20	22.6	113	80-117	
tert-Butylbenzene	ug/L	20	21.1	106	84-116	
Tetrachloroethene	ug/L	20	20.2	101	83-119	
Toluene	ug/L	20	20.6	103	83-115	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: PINE LAWN

Pace Project No.: 60349234

LABORATORY CONTROL SAMPLE: 2745240

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
trans-1,2-Dichloroethene	ug/L	20	20.5	103	80-124	
trans-1,3-Dichloropropene	ug/L	20	22.7	113	83-117	
Trichloroethene	ug/L	20	19.5	97	80-118	
Trichlorofluoromethane	ug/L	20	22.1	110	83-133	
Vinyl chloride	ug/L	20	15.6	78	76-144	
Xylene (Total)	ug/L	60	63.1	105	82-120	
1,2-Dichloroethane-d4 (S)	%			99	86-117	
4-Bromofluorobenzene (S)	%			99	80-120	
Toluene-d8 (S)	%			99	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2745241 2745242

Parameter	Units	60348619014 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,1,1,2-Tetrachloroethane	ug/L	<5.2	20	20	21.3	21.4	106	107	68-125	1	15	
1,1,1-Trichloroethane	ug/L	<3.2	20	20	19.8	19.3	99	97	74-130	3	20	
1,1,2,2-Tetrachloroethane	ug/L	<7.0	20	20	19.1	19.6	96	98	60-128	3	19	
1,1,2-Trichloroethane	ug/L	<7.0	20	20	21.7	21.8	108	109	66-125	1	28	
1,1-Dichloroethane	ug/L	<2.4	20	20	18.8	19.9	94	99	81-124	6	23	
1,1-Dichloroethene	ug/L	<5.2	20	20	20.3	21.0	101	105	64-141	3	21	
1,1-Dichloropropene	ug/L	<4.5	20	20	18.5	18.7	92	94	43-144	1	21	
1,2,3-Trichlorobenzene	ug/L	<15.5	20	20	17.9	18.4	89	92	56-116	3	31	
1,2,3-Trichloropropane	ug/L	<9.0	20	20	18.8	19.7	94	98	64-124	4	23	
1,2,4-Trichlorobenzene	ug/L	<9.2	20	20	19.6	19.5	98	98	54-118	0	28	
1,2,4-Trimethylbenzene	ug/L	<6.5	20	20	20.6	20.5	103	102	61-133	1	22	
1,2-Dibromo-3-chloropropane	ug/L	<23.8	20	20	18.1	18.8	90	94	56-128	4	33	
1,2-Dibromoethane (EDB)	ug/L	<4.8	20	20	20.1	20.3	100	101	70-122	1	18	
1,2-Dichlorobenzene	ug/L	<6.0	20	20	20.4	20.6	102	103	76-117	1	17	
1,2-Dichloroethane	ug/L	<5.8	20	20	18.8	18.4	94	92	64-135	2	22	
1,2-Dichloroethene (Total)	ug/L	<6.5	40	40	38.2	40.1	96	100	77-122	5	17	
1,2-Dichloropropane	ug/L	<4.0	20	20	20.7	20.7	103	104	73-125	0	19	
1,3,5-Trimethylbenzene	ug/L	<5.2	20	20	21.1	21.4	105	107	60-136	1	21	
1,3-Dichlorobenzene	ug/L	<6.0	20	20	20.6	20.6	103	103	71-121	0	20	
1,3-Dichloropropane	ug/L	<5.5	20	20	20.8	20.6	104	103	73-120	1	16	
1,4-Dichlorobenzene	ug/L	<6.5	20	20	18.4	19.0	74	77	57-125	4	19	
2,2-Dichloropropane	ug/L	<2.8	20	20	19.5	19.2	97	96	32-135	1	19	
2-Butanone (MEK)	ug/L	<60.0	100	100	98.5	99.2	99	99	58-121	1	22	
2-Chlorotoluene	ug/L	<6.0	20	20	19.9	20.3	99	102	66-129	2	19	
2-Hexanone	ug/L	<37.5	100	100	97.1	100	97	100	61-125	3	20	
4-Chlorotoluene	ug/L	<6.2	20	20	20.1	20.6	100	103	65-127	3	20	
4-Methyl-2-pentanone (MIBK)	ug/L	<35.0	100	100	105	108	105	108	67-125	3	20	
Acetone	ug/L	<118	100	100	101	103	-11	-9	49-113	1	32 M1	
Benzene	ug/L	331	20	20	33.0	32.6	-1490	-1490	49-140	1	25 M1	
Bromobenzene	ug/L	<5.8	20	20	19.1	19.9	95	99	69-120	4	16	

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QUALITY CONTROL DATA

Project: PINE LAWN

Pace Project No.: 60349234

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2745241 2745242											
Parameter	Units	60348619014 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	Max RPD	Qual
Bromochloromethane	ug/L	<4.8	20	20	19.7	19.1	99	95	74-123	3	18
Bromodichloromethane	ug/L	<3.0	20	20	21.2	21.4	106	107	71-124	1	19
Bromoform	ug/L	<9.5	20	20	20.7	20.4	103	102	56-113	1	18
Bromomethane	ug/L	<24.8	20	20	13.5	14.5	68	72	12-165	7	43
Carbon disulfide	ug/L	<6.0	20	20	23.9	24.1	119	120	66-145	1	18
Carbon tetrachloride	ug/L	<4.8	20	20	21.6	22.5	108	113	84-130	4	21
Chlorobenzene	ug/L	1230	20	20	70.5	71.0	-5810	-5800	68-126	1	14 M1
Chloroethane	ug/L	<9.5	20	20	18.5	18.8	92	94	67-145	2	28
Chloroform	ug/L	<4.2	20	20	19.6	19.5	98	98	72-123	1	17
Chloromethane	ug/L	<11.0	20	20	12.4	12.3	43	42	31-175	1	34
cis-1,2-Dichloroethene	ug/L	<3.8	20	20	18.6	20.0	93	100	69-127	7	18
cis-1,3-Dichloropropene	ug/L	<3.2	20	20	21.3	20.7	106	104	60-124	3	20
Dibromochloromethane	ug/L	<4.2	20	20	21.6	21.6	108	108	68-123	0	24
Dibromomethane	ug/L	<4.8	20	20	19.3	19.9	97	100	76-115	3	18
Dichlorodifluoromethane	ug/L	<12.2	20	20	9.8	9.9	49	49	31-162	1	24
Ethylbenzene	ug/L	<4.5	20	20	19.1	19.4	95	97	52-140	2	28
Hexachloro-1,3-butadiene	ug/L	<12.8	20	20	21.6	21.7	108	109	41-132	1	27
Isopropylbenzene (Cumene)	ug/L	<4.8	20	20	20.5	20.9	102	104	57-138	2	19
Methyl-tert-butyl ether	ug/L	<2.3	20	20	20.3	20.3	102	102	62-127	0	21
Methylene Chloride	ug/L	<20.2	20	20	19.2	19.1	96	96	68-125	0	24
n-Butylbenzene	ug/L	<6.5	20	20	22.6	22.8	113	114	53-141	1	24
n-Propylbenzene	ug/L	<4.0	20	20	20.5	21.0	102	105	49-149	2	20
Naphthalene	ug/L	<14.0	20	20	18.9	18.2	95	91	45-141	4	28
p-Isopropyltoluene	ug/L	<5.8	20	20	19.8	19.4	99	97	45-137	2	22
sec-Butylbenzene	ug/L	<5.5	20	20	23.4	23.8	117	119	82-136	1	27
Styrene	ug/L	<4.2	20	20	21.5	21.6	108	108	56-136	0	20
tert-Butylbenzene	ug/L	<4.5	20	20	21.3	21.7	107	108	64-133	2	20
Tetrachloroethene	ug/L	<3.8	20	20	20.3	21.0	102	105	59-133	3	28
Toluene	ug/L	<4.5	20	20	20.0	19.7	83	82	56-137	2	21
trans-1,2-Dichloroethene	ug/L	<3.8	20	20	19.6	20.0	98	100	70-130	2	24
trans-1,3-Dichloropropene	ug/L	<4.2	20	20	20.6	21.4	103	107	69-121	4	24
Trichloroethene	ug/L	<6.2	20	20	19.9	20.3	100	102	68-128	2	23
Trichlorofluoromethane	ug/L	<6.0	20	20	23.9	23.9	120	119	65-149	0	25
Vinyl chloride	ug/L	<6.2	20	20	16.3	16.7	63	66	51-148	3	23
Xylene (Total)	ug/L	<13.5	60	60	62.3	61.3	104	102	59-139	1	22
1,2-Dichloroethane-d4 (S)	%						98	101	86-117		
4-Bromofluorobenzene (S)	%						97	98	80-120		
Toluene-d8 (S)	%						102	98	80-120		
Preservation pH		1.0			1.0	1.0				0	

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QUALITY CONTROL DATA

Project: PINE LAWN

Pace Project No.: 60349234

QC Batch: 678959

Analysis Method: EPA 8260

QC Batch Method: EPA 8260

Analysis Description: 8260 MSV MO GRO Oxygenates

Laboratory: Pace Analytical Services - Kansas City

Associated Lab Samples: 60349234002, 60349234003, 60349234004, 60349234005

METHOD BLANK: 2745226

Matrix: Water

Associated Lab Samples: 60349234002, 60349234003, 60349234004, 60349234005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
TPH-GRO	ug/L	ND	500	09/25/20 11:51	
1,2-Dichloroethane-d4 (S)	%	101	86-117	09/25/20 11:51	
4-Bromofluorobenzene (S)	%	100	80-120	09/25/20 11:51	
Toluene-d8 (S)	%	99	80-120	09/25/20 11:51	

LABORATORY CONTROL SAMPLE: 2745227

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
TPH-GRO	ug/L	4000	4140	103	55-125	
1,2-Dichloroethane-d4 (S)	%			99	86-117	
4-Bromofluorobenzene (S)	%			99	80-120	
Toluene-d8 (S)	%			99	80-120	

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QUALITY CONTROL DATA

Project: PINE LAWN

Pace Project No.: 60349234

QC Batch: 678887

QC Batch Method: EPA 5035

Analysis Method: EPA 8260

Analysis Description: 8260 MSV GRO and Oxygenates

Laboratory: Pace Analytical Services - Kansas City

Associated Lab Samples: 60349234001

METHOD BLANK: 2744774

Matrix: Solid

Associated Lab Samples: 60349234001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
TPH-GRO	mg/kg	ND	0.50	09/24/20 21:41	
1,2-Dichloroethane-d4 (S)	%	96	80-123	09/24/20 21:41	
4-Bromofluorobenzene (S)	%	97	69-133	09/24/20 21:41	
Toluene-d8 (S)	%	103	78-122	09/24/20 21:41	

LABORATORY CONTROL SAMPLE: 2744775

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
TPH-GRO	mg/kg	4	3.2	79	61-140	
1,2-Dichloroethane-d4 (S)	%			97	80-123	
4-Bromofluorobenzene (S)	%			98	69-133	
Toluene-d8 (S)	%			103	78-122	

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QUALITY CONTROL DATA

Project: PINE LAWN
Pace Project No.: 60349234

QC Batch: 679537	Analysis Method: EPA 8082
QC Batch Method: EPA 3546	Analysis Description: 8082 GCS PCB
	Laboratory: Pace Analytical Services - Kansas City

Associated Lab Samples: 60349234001

METHOD BLANK: 2747540 Matrix: Solid

Associated Lab Samples: 60349234001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
PCB-1016 (Aroclor 1016)	ug/kg	ND	32.6	10/01/20 15:18	
PCB-1221 (Aroclor 1221)	ug/kg	ND	32.6	10/01/20 15:18	
PCB-1232 (Aroclor 1232)	ug/kg	ND	32.6	10/01/20 15:18	
PCB-1242 (Aroclor 1242)	ug/kg	ND	32.6	10/01/20 15:18	
PCB-1248 (Aroclor 1248)	ug/kg	ND	32.6	10/01/20 15:18	
PCB-1254 (Aroclor 1254)	ug/kg	ND	32.6	10/01/20 15:18	
PCB-1260 (Aroclor 1260)	ug/kg	ND	32.6	10/01/20 15:18	
Decachlorobiphenyl (S)	%	89	28-143	10/01/20 15:18	

LABORATORY CONTROL SAMPLE: 2747541

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
PCB-1016 (Aroclor 1016)	ug/kg	164	148	91	61-130	
PCB-1260 (Aroclor 1260)	ug/kg	164	152	93	56-128	
Decachlorobiphenyl (S)	%			87	28-143	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2747542 2747543

Parameter	Units	60348944003 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	ND	177	185	144	156	82	84	38-131	8	38	
PCB-1260 (Aroclor 1260)	ug/kg	ND	177	185	177	184	100	99	30-141	4	40	
Decachlorobiphenyl (S)	%						87	86	28-143			

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QUALITY CONTROL DATA

Project: PINE LAWN

Pace Project No.: 60349234

QC Batch: 680394

Analysis Method: EPA 8082

QC Batch Method: EPA 3510

Analysis Description: 8082 GCS PCB, LV

Laboratory: Pace Analytical Services - Kansas City

Associated Lab Samples: 60349234002, 60349234003, 60349234004, 60349234005

METHOD BLANK: 2750572

Matrix: Water

Associated Lab Samples: 60349234002, 60349234003, 60349234004, 60349234005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
PCB-1016 (Aroclor 1016)	ug/L	ND	1.0	10/02/20 14:24	
PCB-1221 (Aroclor 1221)	ug/L	ND	1.0	10/02/20 14:24	
PCB-1232 (Aroclor 1232)	ug/L	ND	1.0	10/02/20 14:24	
PCB-1242 (Aroclor 1242)	ug/L	ND	1.0	10/02/20 14:24	
PCB-1248 (Aroclor 1248)	ug/L	ND	1.0	10/02/20 14:24	
PCB-1254 (Aroclor 1254)	ug/L	ND	1.0	10/02/20 14:24	
PCB-1260 (Aroclor 1260)	ug/L	ND	1.0	10/02/20 14:24	
Decachlorobiphenyl (S)	%	72	30-136	10/02/20 14:24	

LABORATORY CONTROL SAMPLE: 2750573

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
PCB-1016 (Aroclor 1016)	ug/L	5	4.6	92	66-125	
PCB-1260 (Aroclor 1260)	ug/L	5	4.7	94	64-123	
Decachlorobiphenyl (S)	%			73	30-136	

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QUALITY CONTROL DATA

Project: PINE LAWN

Pace Project No.: 60349234

QC Batch: 679538

Analysis Method: EPA 8270

QC Batch Method: EPA 3546

Analysis Description: 8270 Solid MSSV Microwave

Laboratory: Pace Analytical Services - Kansas City

Associated Lab Samples: 60349234001

METHOD BLANK: 2747544

Matrix: Solid

Associated Lab Samples: 60349234001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,2,4-Trichlorobenzene	ug/kg	ND	323	09/30/20 11:04	
1,2-Dichlorobenzene	ug/kg	ND	323	09/30/20 11:04	
1,3-Dichlorobenzene	ug/kg	ND	323	09/30/20 11:04	
1,4-Dichlorobenzene	ug/kg	ND	323	09/30/20 11:04	
2,4,5-Trichlorophenol	ug/kg	ND	323	09/30/20 11:04	
2,4,6-Trichlorophenol	ug/kg	ND	323	09/30/20 11:04	
2,4-Dichlorophenol	ug/kg	ND	323	09/30/20 11:04	
2,4-Dimethylphenol	ug/kg	ND	323	09/30/20 11:04	
2,4-Dinitrophenol	ug/kg	ND	1630	09/30/20 11:04	
2,4-Dinitrotoluene	ug/kg	ND	323	09/30/20 11:04	
2,6-Dinitrotoluene	ug/kg	ND	323	09/30/20 11:04	
2-Chloronaphthalene	ug/kg	ND	323	09/30/20 11:04	
2-Chlorophenol	ug/kg	ND	323	09/30/20 11:04	
2-Methylnaphthalene	ug/kg	ND	323	09/30/20 11:04	
2-Methylphenol(o-Cresol)	ug/kg	ND	323	09/30/20 11:04	
2-Nitroaniline	ug/kg	ND	646	09/30/20 11:04	
2-Nitrophenol	ug/kg	ND	323	09/30/20 11:04	
3&4-Methylphenol(m&p Cresol)	ug/kg	ND	323	09/30/20 11:04	
3,3'-Dichlorobenzidine	ug/kg	ND	646	09/30/20 11:04	
3-Nitroaniline	ug/kg	ND	646	09/30/20 11:04	
4,6-Dinitro-2-methylphenol	ug/kg	ND	1630	09/30/20 11:04	
4-Bromophenylphenyl ether	ug/kg	ND	323	09/30/20 11:04	
4-Chloro-3-methylphenol	ug/kg	ND	646	09/30/20 11:04	
4-Chloroaniline	ug/kg	ND	646	09/30/20 11:04	
4-Chlorophenylphenyl ether	ug/kg	ND	323	09/30/20 11:04	
4-Nitroaniline	ug/kg	ND	646	09/30/20 11:04	
4-Nitrophenol	ug/kg	ND	1630	09/30/20 11:04	
Acenaphthene	ug/kg	ND	323	09/30/20 11:04	
Acenaphthylene	ug/kg	ND	323	09/30/20 11:04	
Anthracene	ug/kg	ND	323	09/30/20 11:04	
Benzo(a)anthracene	ug/kg	ND	323	09/30/20 11:04	
Benzo(a)pyrene	ug/kg	ND	323	09/30/20 11:04	
Benzo(b)fluoranthene	ug/kg	ND	323	09/30/20 11:04	
Benzo(g,h,i)perylene	ug/kg	ND	323	09/30/20 11:04	
Benzo(k)fluoranthene	ug/kg	ND	323	09/30/20 11:04	
Benzoic Acid	ug/kg	ND	1630	09/30/20 11:04	
Benzyl alcohol	ug/kg	ND	646	09/30/20 11:04	
bis(2-Chloroethoxy)methane	ug/kg	ND	323	09/30/20 11:04	
bis(2-Chloroethyl) ether	ug/kg	ND	323	09/30/20 11:04	
bis(2-Chloroisopropyl) ether	ug/kg	ND	323	09/30/20 11:04	

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QUALITY CONTROL DATA

Project: PINE LAWN

Pace Project No.: 60349234

METHOD BLANK: 2747544

Matrix: Solid

Associated Lab Samples: 60349234001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
bis(2-Ethylhexyl)phthalate	ug/kg	ND	323	09/30/20 11:04	
Butylbenzylphthalate	ug/kg	ND	323	09/30/20 11:04	
Carbazole	ug/kg	ND	323	09/30/20 11:04	
Chrysene	ug/kg	ND	323	09/30/20 11:04	
Di-n-butylphthalate	ug/kg	ND	323	09/30/20 11:04	
Di-n-octylphthalate	ug/kg	ND	323	09/30/20 11:04	
Dibenz(a,h)anthracene	ug/kg	ND	323	09/30/20 11:04	
Dibenzofuran	ug/kg	ND	323	09/30/20 11:04	
Diethylphthalate	ug/kg	ND	323	09/30/20 11:04	
Dimethylphthalate	ug/kg	ND	323	09/30/20 11:04	
Fluoranthene	ug/kg	ND	323	09/30/20 11:04	
Fluorene	ug/kg	ND	323	09/30/20 11:04	
Hexachloro-1,3-butadiene	ug/kg	ND	323	09/30/20 11:04	
Hexachlorobenzene	ug/kg	ND	323	09/30/20 11:04	
Hexachlorocyclopentadiene	ug/kg	ND	323	09/30/20 11:04	
Hexachloroethane	ug/kg	ND	323	09/30/20 11:04	
Indeno(1,2,3-cd)pyrene	ug/kg	ND	323	09/30/20 11:04	
Isophorone	ug/kg	ND	323	09/30/20 11:04	
N-Nitroso-di-n-propylamine	ug/kg	ND	323	09/30/20 11:04	
N-Nitrosodiphenylamine	ug/kg	ND	323	09/30/20 11:04	
Naphthalene	ug/kg	ND	323	09/30/20 11:04	
Nitrobenzene	ug/kg	ND	323	09/30/20 11:04	
Pentachlorophenol	ug/kg	ND	1630	09/30/20 11:04	
Phenanthrene	ug/kg	ND	323	09/30/20 11:04	
Phenol	ug/kg	ND	323	09/30/20 11:04	
Pyrene	ug/kg	ND	323	09/30/20 11:04	
Pyridine	ug/kg	ND	323	09/30/20 11:04	
2,4,6-Tribromophenol (S)	%	80	41-108	09/30/20 11:04	
2-Fluorobiphenyl (S)	%	80	39-136	09/30/20 11:04	
2-Fluorophenol (S)	%	77	43-96	09/30/20 11:04	
Nitrobenzene-d5 (S)	%	81	33-132	09/30/20 11:04	
Phenol-d6 (S)	%	78	43-95	09/30/20 11:04	
Terphenyl-d14 (S)	%	85	29-131	09/30/20 11:04	

LABORATORY CONTROL SAMPLE: 2747545

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2,4-Trichlorobenzene	ug/kg	1570	1220	78	52-104	
1,2-Dichlorobenzene	ug/kg	1570	1210	77	51-99	
1,3-Dichlorobenzene	ug/kg	1570	1190	76	48-102	
1,4-Dichlorobenzene	ug/kg	1570	1190	76	49-101	
2,4,5-Trichlorophenol	ug/kg	1570	1290	82	58-109	
2,4,6-Trichlorophenol	ug/kg	1570	1270	81	56-109	
2,4-Dichlorophenol	ug/kg	1570	1250	80	54-106	

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QUALITY CONTROL DATA

Project: PINE LAWN

Pace Project No.: 60349234

LABORATORY CONTROL SAMPLE: 2747545

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
2,4-Dimethylphenol	ug/kg	1570	1260	80	49-104	
2,4-Dinitrophenol	ug/kg	1570	1250J	79	26-119	
2,4-Dinitrotoluene	ug/kg	1570	1310	83	60-109	
2,6-Dinitrotoluene	ug/kg	1570	1260	80	59-109	
2-Chloronaphthalene	ug/kg	1570	1220	78	56-104	
2-Chlorophenol	ug/kg	1570	1250	79	56-98	
2-Methylnaphthalene	ug/kg	1570	1270	81	53-103	
2-Methylphenol(o-Cresol)	ug/kg	1570	1250	79	52-102	
2-Nitroaniline	ug/kg	1570	1260	80	54-113	
2-Nitrophenol	ug/kg	1570	1250	79	51-111	
3&4-Methylphenol(m&p Cresol)	ug/kg	1570	1250	79	52-102	
3,3'-Dichlorobenzidine	ug/kg	1570	850	54	19-126	
3-Nitroaniline	ug/kg	1570	883	56	31-122	
4,6-Dinitro-2-methylphenol	ug/kg	1570	1160J	74	37-117	
4-Bromophenylphenyl ether	ug/kg	1570	1230	78	60-106	
4-Chloro-3-methylphenol	ug/kg	1570	1300	83	55-107	
4-Chloroaniline	ug/kg	1570	690	44	10-116	
4-Chlorophenylphenyl ether	ug/kg	1570	1240	79	56-107	
4-Nitroaniline	ug/kg	1570	1260	80	52-113	
4-Nitrophenol	ug/kg	1570	1350J	86	53-114	
Acenaphthene	ug/kg	1570	1260	80	55-105	
Acenaphthylene	ug/kg	1570	1310	84	57-105	
Anthracene	ug/kg	1570	1250	79	59-106	
Benzo(a)anthracene	ug/kg	1570	1270	81	59-109	
Benzo(a)pyrene	ug/kg	1570	1260	80	59-109	
Benzo(b)fluoranthene	ug/kg	1570	1280	82	56-112	
Benzo(g,h,i)perylene	ug/kg	1570	1280	82	57-109	
Benzo(k)fluoranthene	ug/kg	1570	1290	82	57-107	
Benzoic Acid	ug/kg	1570	1770	112	10-96	L1
Benzyl alcohol	ug/kg	1570	1280	81	56-103	
bis(2-Chloroethoxy)methane	ug/kg	1570	1200	76	52-102	
bis(2-Chloroethyl) ether	ug/kg	1570	1190	76	51-100	
bis(2-Chloroisopropyl) ether	ug/kg	1570	1240	79	47-101	
bis(2-Ethylhexyl)phthalate	ug/kg	1570	1340	85	61-113	
Butylbenzylphthalate	ug/kg	1570	1280	82	62-110	
Carbazole	ug/kg	1570	1290	82	60-106	
Chrysene	ug/kg	1570	1310	83	58-108	
Di-n-butylphthalate	ug/kg	1570	1300	83	61-110	
Di-n-octylphthalate	ug/kg	1570	1350	86	58-114	
Dibenz(a,h)anthracene	ug/kg	1570	1300	83	57-109	
Dibenzofuran	ug/kg	1570	1230	78	56-106	
Diethylphthalate	ug/kg	1570	1260	80	57-107	
Dimethylphthalate	ug/kg	1570	1260	80	55-106	
Fluoranthene	ug/kg	1570	1250	79	60-109	
Fluorene	ug/kg	1570	1240	79	56-107	
Hexachloro-1,3-butadiene	ug/kg	1570	1250	79	50-106	
Hexachlorobenzene	ug/kg	1570	1210	77	56-107	

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QUALITY CONTROL DATA

Project: PINE LAWN

Pace Project No.: 60349234

LABORATORY CONTROL SAMPLE: 2747545

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Hexachlorocyclopentadiene	ug/kg	1570	1010	65	18-118	
Hexachloroethane	ug/kg	1570	1200	76	49-101	
Indeno(1,2,3-cd)pyrene	ug/kg	1570	1290	82	58-108	
Isophorone	ug/kg	1570	1240	79	53-99	
N-Nitroso-di-n-propylamine	ug/kg	1570	1210	77	50-101	
N-Nitrosodiphenylamine	ug/kg	1570	1260	80	58-107	
Naphthalene	ug/kg	1570	1220	78	51-103	
Nitrobenzene	ug/kg	1570	1240	79	51-104	
Pentachlorophenol	ug/kg	1570	1280J	82	43-123	
Phenanthrene	ug/kg	1570	1240	79	58-106	
Phenol	ug/kg	1570	1250	80	53-101	
Pyrene	ug/kg	1570	1290	82	60-108	
Pyridine	ug/kg	1570	905	58	33-72	
2,4,6-Tribromophenol (S)	%			78	41-108	
2-Fluorobiphenyl (S)	%			78	39-136	
2-Fluorophenol (S)	%			73	43-96	
Nitrobenzene-d5 (S)	%			78	33-132	
Phenol-d6 (S)	%			72	43-95	
Terphenyl-d14 (S)	%			83	29-131	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2747546 2747547

Parameter	Units	60349231006 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,2,4-Trichlorobenzene	ug/kg	ND	1870	1940	1460	1490	78	76	42-102	2	26	
1,2-Dichlorobenzene	ug/kg	ND	1870	1940	1390	1430	75	74	45-96	3	31	
1,3-Dichlorobenzene	ug/kg	ND	1870	1940	1370	1400	74	72	44-95	2	31	
1,4-Dichlorobenzene	ug/kg	ND	1870	1940	1410	1440	75	74	45-95	2	30	
2,4,5-Trichlorophenol	ug/kg	ND	1870	1940	1530	1530	82	79	47-109	0	31	
2,4,6-Trichlorophenol	ug/kg	ND	1870	1940	1540	1550	82	80	14-133	1	31	
2,4-Dichlorophenol	ug/kg	ND	1870	1940	1490	1530	80	79	36-111	2	29	
2,4-Dimethylphenol	ug/kg	ND	1870	1940	1480	1500	79	77	22-113	1	32	
2,4-Dinitrophenol	ug/kg	ND	1870	1940	983J	929J	53	48	10-116		35	
2,4-Dinitrotoluene	ug/kg	ND	1870	1940	1510	1520	81	78	10-133	0	32	
2,6-Dinitrotoluene	ug/kg	ND	1870	1940	1510	1520	81	78	17-125	0	25	
2-Chloronaphthalene	ug/kg	ND	1870	1940	1470	1490	79	76	47-105	1	28	
2-Chlorophenol	ug/kg	ND	1870	1940	1460	1470	78	75	44-100	0	31	
2-Methylnaphthalene	ug/kg	ND	1870	1940	1510	1530	81	79	43-104	1	28	
2-Methylphenol(o-Cresol)	ug/kg	ND	1870	1940	1440	1450	77	74	37-105	0	32	
2-Nitroaniline	ug/kg	ND	1870	1940	1540	1520	82	78	44-117	1	28	
2-Nitrophenol	ug/kg	ND	1870	1940	1480	1530	79	78	10-145	3	30	
3&4-Methylphenol(m&p Cresol)	ug/kg	ND	1870	1940	1460	1460	78	75	35-108	0	30	
3,3'-Dichlorobenzidine	ug/kg	ND	1870	1940	1180	1210	63	62	10-133	2	39	
3-Nitroaniline	ug/kg	ND	1870	1940	1350	1310	72	67	10-124	3	27	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: PINE LAWN

Pace Project No.: 60349234

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2747546 2747547											
Parameter	Units	60349231006 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	Max RPD	Qual
4,6-Dinitro-2-methylphenol	ug/kg	ND	1870	1940	1230J	1110J	66	57	10-123	30	
4-Bromophenylphenyl ether	ug/kg	ND	1870	1940	1500	1480	80	76	47-109	1	33
4-Chloro-3-methylphenol	ug/kg	ND	1870	1940	1560	1540	83	79	42-109	1	30
4-Chloroaniline	ug/kg	ND	1870	1940	956	965	51	50	10-94	1	33
4-Chlorophenylphenyl ether	ug/kg	ND	1870	1940	1490	1500	80	77	46-106	0	33
4-Nitroaniline	ug/kg	ND	1870	1940	1450	1510	78	77	11-126	4	47
4-Nitrophenol	ug/kg	ND	1870	1940	1550J	1790J	83	92	18-130		35
Acenaphthene	ug/kg	ND	1870	1940	1530	1550	82	80	44-104	1	23
Acenaphthylene	ug/kg	ND	1870	1940	1590	1580	85	81	47-102	1	29
Anthracene	ug/kg	ND	1870	1940	1490	1510	80	77	39-112	1	30
Benzo(a)anthracene	ug/kg	ND	1870	1940	1540	1510	83	78	10-139	2	32
Benzo(a)pyrene	ug/kg	ND	1870	1940	1460	1470	78	76	12-132	1	33
Benzo(b)fluoranthene	ug/kg	ND	1870	1940	1580	1490	85	77	12-136	6	37
Benzo(g,h,i)perylene	ug/kg	ND	1870	1940	1400	1420	75	73	22-119	2	41
Benzo(k)fluoranthene	ug/kg	ND	1870	1940	1450	1580	77	81	32-113	9	32
Benzoic Acid	ug/kg	ND	1870	1940	1890	1580J	101	81	10-101		35
Benzyl alcohol	ug/kg	ND	1870	1940	1470	1450	78	75	46-103	1	31
bis(2-Chloroethoxy)methane	ug/kg	ND	1870	1940	1420	1440	76	74	41-100	1	29
bis(2-Chloroethyl) ether	ug/kg	ND	1870	1940	1410	1420	76	73	46-100	0	32
bis(2-Chloroisopropyl) ether	ug/kg	ND	1870	1940	1450	1450	77	75	40-99	0	29
bis(2-Ethylhexyl)phthalate	ug/kg	ND	1870	1940	1570	1570	84	81	24-141	0	33
Butylbenzylphthalate	ug/kg	ND	1870	1940	1530	1500	82	77	41-131	2	33
Carbazole	ug/kg	ND	1870	1940	1510	1520	81	78	41-107	1	30
Chrysene	ug/kg	ND	1870	1940	1560	1520	83	78	10-137	2	31
Di-n-butylphthalate	ug/kg	ND	1870	1940	1540	1530	82	79	41-118	0	31
Di-n-octylphthalate	ug/kg	ND	1870	1940	1590	1620	85	83	40-138	2	29
Dibenz(a,h)anthracene	ug/kg	ND	1870	1940	1460	1480	78	76	23-122	1	35
Dibenzofuran	ug/kg	ND	1870	1940	1480	1490	79	76	49-101	1	28
Diethylphthalate	ug/kg	ND	1870	1940	1520	1490	81	77	42-107	2	31
Dimethylphthalate	ug/kg	ND	1870	1940	1510	1490	81	77	37-108	1	30
Fluoranthene	ug/kg	ND	1870	1940	1480	1490	79	76	10-139	1	32
Fluorene	ug/kg	ND	1870	1940	1500	1490	80	77	43-108	0	32
Hexachloro-1,3-butadiene	ug/kg	ND	1870	1940	1460	1480	78	76	41-104	2	27
Hexachlorobenzene	ug/kg	ND	1870	1940	1460	1460	78	75	46-105	0	31
Hexachlorocyclopentadiene	ug/kg	ND	1870	1940	1080	1150	58	59	10-111	6	61
Hexachloroethane	ug/kg	ND	1870	1940	1380	1420	74	73	11-119	2	34
Indeno(1,2,3-cd)pyrene	ug/kg	ND	1870	1940	1470	1460	79	75	21-120	1	38
Isophorone	ug/kg	ND	1870	1940	1480	1490	79	76	44-97	1	28
N-Nitroso-di-n-propylamine	ug/kg	ND	1870	1940	1420	1450	76	74	37-108	2	30
N-Nitrosodiphenylamine	ug/kg	ND	1870	1940	1490	1510	80	77	41-108	1	36
Naphthalene	ug/kg	ND	1870	1940	1460	1480	78	76	40-105	1	31
Nitrobenzene	ug/kg	ND	1870	1940	1490	1500	80	77	35-106	1	29
Pentachlorophenol	ug/kg	ND	1870	1940	1640J	1480J	88	76	10-144		35
Phenanthrene	ug/kg	ND	1870	1940	1500	1490	80	77	43-108	1	29
Phenol	ug/kg	ND	1870	1940	1470	1460	79	75	38-102	1	29

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: PINE LAWN

Pace Project No.: 60349234

MATRIX SPIKE & MATRIX SPIKE DUPLICATE:												2747546	2747547	
Parameter	Units	60349231006	MS	MSD	MS	MSD	MS	MSD	% Rec	Limits	RPD	Max	Qual	
		Result	Spike	Spike										Result
Pyrene	ug/kg	ND	1870	1940	1570	1520	84	78	10-147		3	38		
Pyridine	ug/kg	ND	1870	1940	895	812	48	42	10-79		10	35		
2,4,6-Tribromophenol (S)	%						78	72	41-108					
2-Fluorobiphenyl (S)	%						80	76	39-136					
2-Fluorophenol (S)	%						72	68	43-96					
Nitrobenzene-d5 (S)	%						80	74	33-132					
Phenol-d6 (S)	%						72	68	43-95					
Terphenyl-d14 (S)	%						84	78	29-131					

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QUALITY CONTROL DATA

Project: PINE LAWN
Pace Project No.: 60349234

QC Batch: 679229	Analysis Method: EPA 8270
QC Batch Method: EPA 3546	Analysis Description: 8270 MSSV TPH ORO
	Laboratory: Pace Analytical Services - Kansas City

Associated Lab Samples: 60349234001

METHOD BLANK: 2746726 Matrix: Solid

Associated Lab Samples: 60349234001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
TPH-DRO	mg/kg	ND	14.1	09/30/20 18:21	
TPH-ORO	mg/kg	ND	14.1	09/30/20 18:21	
2-Fluorobiphenyl (S)	%	72	39-136	09/30/20 18:21	
Nitrobenzene-d5 (S)	%	71	33-132	09/30/20 18:21	
Terphenyl-d14 (S)	%	69	29-131	09/30/20 18:21	

LABORATORY CONTROL SAMPLE: 2746727

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
TPH-DRO	mg/kg	330	292	88	39-122	
2-Fluorobiphenyl (S)	%			78	39-136	
Nitrobenzene-d5 (S)	%			79	33-132	
Terphenyl-d14 (S)	%			76	29-131	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2746728 2746729

Parameter	Units	60349495001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
TPH-DRO	mg/kg	1550	401	403	1650	3050	25	374	12-137	60	38	M1,R1
2-Fluorobiphenyl (S)	%						71	71	39-136			
Nitrobenzene-d5 (S)	%						84	92	33-132			
Terphenyl-d14 (S)	%						64	62	29-131			

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QUALITY CONTROL DATA

Project: PINE LAWN

Pace Project No.: 60349234

QC Batch: 678835

Analysis Method: EPA 8270

QC Batch Method: EPA 3510C

Analysis Description: 8270 MSSV TPH ORO

Laboratory: Pace Analytical Services - Kansas City

Associated Lab Samples: 60349234002, 60349234003, 60349234004, 60349234005

METHOD BLANK: 2744639

Matrix: Water

Associated Lab Samples: 60349234002, 60349234003, 60349234004, 60349234005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
TPH-DRO	mg/L	ND	1.0	09/28/20 21:15	
TPH-ORO	mg/L	ND	1.0	09/28/20 21:15	
2-Fluorobiphenyl (S)	%	50	29-108	09/28/20 21:15	
Nitrobenzene-d5 (S)	%	49	27-106	09/28/20 21:15	
Terphenyl-d14 (S)	%	43	34-129	09/28/20 21:15	

LABORATORY CONTROL SAMPLE: 2744640

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
TPH-DRO	mg/L	100	43.2	43	33-130	
2-Fluorobiphenyl (S)	%			49	29-108	
Nitrobenzene-d5 (S)	%			47	27-106	
Terphenyl-d14 (S)	%			46	34-129	

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QUALITY CONTROL DATA

Project: PINE LAWN

Pace Project No.: 60349234

QC Batch: 679482

Analysis Method: EPA 8270

QC Batch Method: EPA 3510

Analysis Description: 8270 Water MSSV, LV

Laboratory: Pace Analytical Services - Kansas City

Associated Lab Samples: 60349234002, 60349234003, 60349234004, 60349234005

METHOD BLANK: 2747387

Matrix: Water

Associated Lab Samples: 60349234002, 60349234003, 60349234004, 60349234005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,2,4-Trichlorobenzene	ug/L	ND	10.0	09/30/20 11:37	
1,2-Dichlorobenzene	ug/L	ND	10.0	09/30/20 11:37	
1,3-Dichlorobenzene	ug/L	ND	10.0	09/30/20 11:37	
1,4-Dichlorobenzene	ug/L	ND	10.0	09/30/20 11:37	
2,4,5-Trichlorophenol	ug/L	ND	50.0	09/30/20 11:37	
2,4,6-Trichlorophenol	ug/L	ND	10.0	09/30/20 11:37	
2,4-Dichlorophenol	ug/L	ND	10.0	09/30/20 11:37	
2,4-Dimethylphenol	ug/L	ND	10.0	09/30/20 11:37	
2,4-Dinitrophenol	ug/L	ND	50.0	09/30/20 11:37	
2,4-Dinitrotoluene	ug/L	ND	10.0	09/30/20 11:37	
2,6-Dinitrotoluene	ug/L	ND	10.0	09/30/20 11:37	
2-Chloronaphthalene	ug/L	ND	10.0	09/30/20 11:37	
2-Chlorophenol	ug/L	ND	10.0	09/30/20 11:37	
2-Methylnaphthalene	ug/L	ND	10.0	09/30/20 11:37	
2-Methylphenol(o-Cresol)	ug/L	ND	10.0	09/30/20 11:37	
2-Nitroaniline	ug/L	ND	50.0	09/30/20 11:37	
2-Nitrophenol	ug/L	ND	10.0	09/30/20 11:37	
3&4-Methylphenol(m&p Cresol)	ug/L	ND	10.0	09/30/20 11:37	
3,3'-Dichlorobenzidine	ug/L	ND	20.0	09/30/20 11:37	
3-Nitroaniline	ug/L	ND	50.0	09/30/20 11:37	
4,6-Dinitro-2-methylphenol	ug/L	ND	50.0	09/30/20 11:37	
4-Bromophenylphenyl ether	ug/L	ND	10.0	09/30/20 11:37	
4-Chloro-3-methylphenol	ug/L	ND	20.0	09/30/20 11:37	
4-Chloroaniline	ug/L	ND	20.0	09/30/20 11:37	
4-Chlorophenylphenyl ether	ug/L	ND	10.0	09/30/20 11:37	
4-Nitroaniline	ug/L	ND	50.0	09/30/20 11:37	
4-Nitrophenol	ug/L	ND	50.0	09/30/20 11:37	
Acenaphthene	ug/L	ND	10.0	09/30/20 11:37	
Acenaphthylene	ug/L	ND	10.0	09/30/20 11:37	
Anthracene	ug/L	ND	10.0	09/30/20 11:37	
Benzo(a)anthracene	ug/L	ND	10.0	09/30/20 11:37	
Benzo(a)pyrene	ug/L	ND	10.0	09/30/20 11:37	
Benzo(b)fluoranthene	ug/L	ND	10.0	09/30/20 11:37	
Benzo(g,h,i)perylene	ug/L	ND	10.0	09/30/20 11:37	
Benzo(k)fluoranthene	ug/L	ND	10.0	09/30/20 11:37	
Benzoic Acid	ug/L	ND	50.0	09/30/20 11:37	
Benzyl alcohol	ug/L	ND	20.0	09/30/20 11:37	
bis(2-Chloroethoxy)methane	ug/L	ND	10.0	09/30/20 11:37	
bis(2-Chloroethyl) ether	ug/L	ND	10.0	09/30/20 11:37	
bis(2-Chloroisopropyl) ether	ug/L	ND	10.0	09/30/20 11:37	

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QUALITY CONTROL DATA

Project: PINE LAWN

Pace Project No.: 60349234

METHOD BLANK: 2747387

Matrix: Water

Associated Lab Samples: 60349234002, 60349234003, 60349234004, 60349234005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
bis(2-Ethylhexyl)phthalate	ug/L	ND	20.0	09/30/20 11:37	
Butylbenzylphthalate	ug/L	ND	20.0	09/30/20 11:37	
Carbazole	ug/L	ND	10.0	09/30/20 11:37	
Chrysene	ug/L	ND	10.0	09/30/20 11:37	
Di-n-butylphthalate	ug/L	ND	10.0	09/30/20 11:37	
Di-n-octylphthalate	ug/L	ND	10.0	09/30/20 11:37	
Dibenz(a,h)anthracene	ug/L	ND	10.0	09/30/20 11:37	
Dibenzofuran	ug/L	ND	10.0	09/30/20 11:37	
Diethylphthalate	ug/L	ND	10.0	09/30/20 11:37	
Dimethylphthalate	ug/L	ND	10.0	09/30/20 11:37	
Fluoranthene	ug/L	ND	10.0	09/30/20 11:37	
Fluorene	ug/L	ND	10.0	09/30/20 11:37	
Hexachloro-1,3-butadiene	ug/L	ND	10.0	09/30/20 11:37	
Hexachlorobenzene	ug/L	ND	10.0	09/30/20 11:37	
Hexachlorocyclopentadiene	ug/L	ND	10.0	09/30/20 11:37	
Hexachloroethane	ug/L	ND	10.0	09/30/20 11:37	
Indeno(1,2,3-cd)pyrene	ug/L	ND	10.0	09/30/20 11:37	
Isophorone	ug/L	ND	10.0	09/30/20 11:37	
N-Nitroso-di-n-propylamine	ug/L	ND	10.0	09/30/20 11:37	
N-Nitrosodiphenylamine	ug/L	ND	10.0	09/30/20 11:37	
Naphthalene	ug/L	ND	10.0	09/30/20 11:37	
Nitrobenzene	ug/L	ND	10.0	09/30/20 11:37	
Pentachlorophenol	ug/L	ND	50.0	09/30/20 11:37	
Phenanthrene	ug/L	ND	10.0	09/30/20 11:37	
Phenol	ug/L	ND	10.0	09/30/20 11:37	
Pyrene	ug/L	ND	10.0	09/30/20 11:37	
Pyridine	ug/L	ND	10.0	09/30/20 11:37	
2,4,6-Tribromophenol (S)	%	73	16-114	09/30/20 11:37	
2-Fluorobiphenyl (S)	%	68	29-108	09/30/20 11:37	
2-Fluorophenol (S)	%	44	11-64	09/30/20 11:37	
Nitrobenzene-d5 (S)	%	72	27-106	09/30/20 11:37	
Phenol-d6 (S)	%	29	10-44	09/30/20 11:37	
Terphenyl-d14 (S)	%	89	34-129	09/30/20 11:37	

LABORATORY CONTROL SAMPLE: 2747388

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2,4-Trichlorobenzene	ug/L	50	25.6	51	22-109	
1,2-Dichlorobenzene	ug/L	50	27.2	54	18-107	
1,3-Dichlorobenzene	ug/L	50	25.9	52	16-105	
1,4-Dichlorobenzene	ug/L	50	26.7	53	17-105	
2,4,5-Trichlorophenol	ug/L	50	37.9J	76	25-126	
2,4,6-Trichlorophenol	ug/L	50	36.7	73	23-124	
2,4-Dichlorophenol	ug/L	50	36.5	73	26-116	

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QUALITY CONTROL DATA

Project: PINE LAWN

Pace Project No.: 60349234

LABORATORY CONTROL SAMPLE: 2747388

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
2,4-Dimethylphenol	ug/L	50	38.0	76	36-98	
2,4-Dinitrophenol	ug/L	50	37.1J	74	11-138	
2,4-Dinitrotoluene	ug/L	50	40.2	80	30-127	
2,6-Dinitrotoluene	ug/L	50	38.8	78	30-125	
2-Chloronaphthalene	ug/L	50	29.6	59	28-115	
2-Chlorophenol	ug/L	50	35.0	70	25-107	
2-Methylnaphthalene	ug/L	50	30.3	61	25-112	
2-Methylphenol(o-Cresol)	ug/L	50	33.2	66	30-94	
2-Nitroaniline	ug/L	50	38.8J	78	29-126	
2-Nitrophenol	ug/L	50	35.3	71	26-122	
3&4-Methylphenol(m&p Cresol)	ug/L	50	30.5	61	26-89	
3,3'-Dichlorobenzidine	ug/L	50	44.5	89	24-140	
3-Nitroaniline	ug/L	50	38.8J	78	30-139	
4,6-Dinitro-2-methylphenol	ug/L	50	35.3J	71	21-135	
4-Bromophenylphenyl ether	ug/L	50	36.8	74	30-121	
4-Chloro-3-methylphenol	ug/L	50	39.1	78	28-117	
4-Chloroaniline	ug/L	50	36.4	73	22-136	
4-Chlorophenylphenyl ether	ug/L	50	35.9	72	30-119	
4-Nitroaniline	ug/L	50	40.6J	81	31-129	
4-Nitrophenol	ug/L	50	18J	36	10-64	
Acenaphthene	ug/L	50	34.4	69	29-117	
Acenaphthylene	ug/L	50	35.4	71	27-119	
Anthracene	ug/L	50	39.2	78	27-124	
Benzo(a)anthracene	ug/L	50	44.0	88	30-124	
Benzo(a)pyrene	ug/L	50	42.3	85	29-123	
Benzo(b)fluoranthene	ug/L	50	44.8	90	29-127	
Benzo(g,h,i)perylene	ug/L	50	43.6	87	30-124	
Benzo(k)fluoranthene	ug/L	50	40.7	81	29-125	
Benzoic Acid	ug/L	50	19.1J	38	10-71	
Benzyl alcohol	ug/L	50	38.2	76	23-105	
bis(2-Chloroethoxy)methane	ug/L	50	35.6	71	29-115	
bis(2-Chloroethyl) ether	ug/L	50	36.6	73	28-114	
bis(2-Chloroisopropyl) ether	ug/L	50	36.3	73	27-114	
bis(2-Ethylhexyl)phthalate	ug/L	50	47.7	95	35-128	
Butylbenzylphthalate	ug/L	50	48.5	97	28-114	
Carbazole	ug/L	50	41.1	82	31-124	
Chrysene	ug/L	50	43.6	87	31-124	
Di-n-butylphthalate	ug/L	50	45.4	91	29-130	
Di-n-octylphthalate	ug/L	50	49.5	99	27-135	
Dibenz(a,h)anthracene	ug/L	50	43.3	87	30-125	
Dibenzofuran	ug/L	50	34.1	68	30-118	
Diethylphthalate	ug/L	50	39.9	80	30-123	
Dimethylphthalate	ug/L	50	39.0	78	29-121	
Fluoranthene	ug/L	50	41.4	83	31-126	
Fluorene	ug/L	50	36.6	73	30-120	
Hexachloro-1,3-butadiene	ug/L	50	24.4	49	14-107	
Hexachlorobenzene	ug/L	50	36.6	73	29-123	

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

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: PINE LAWN

Pace Project No.: 60349234

LABORATORY CONTROL SAMPLE: 2747388

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Hexachlorocyclopentadiene	ug/L	50	20.1	40	10-56	
Hexachloroethane	ug/L	50	25.0	50	14-103	
Indeno(1,2,3-cd)pyrene	ug/L	50	43.3	87	29-124	
Isophorone	ug/L	50	38.9	78	29-117	
N-Nitroso-di-n-propylamine	ug/L	50	39.6	79	28-117	
N-Nitrosodiphenylamine	ug/L	50	39.1	78	30-122	
Naphthalene	ug/L	50	30.5	61	25-111	
Nitrobenzene	ug/L	50	35.0	70	28-116	
Pentachlorophenol	ug/L	50	41.8J	84	17-134	
Phenanthrene	ug/L	50	38.4	77	30-121	
Phenol	ug/L	50	15.2	30	10-58	
Pyrene	ug/L	50	41.8	84	31-124	
Pyridine	ug/L	50	15.4	31	10-73	
2,4,6-Tribromophenol (S)	%			80	16-114	
2-Fluorobiphenyl (S)	%			63	29-108	
2-Fluorophenol (S)	%			42	11-64	
Nitrobenzene-d5 (S)	%			71	27-106	
Phenol-d6 (S)	%			29	10-44	
Terphenyl-d14 (S)	%			87	34-129	

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.

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QUALITY CONTROL DATA

Project: PINE LAWN

Pace Project No.: 60349234

QC Batch: 678754

Analysis Method: ASTM D2974

QC Batch Method: ASTM D2974

Analysis Description: Dry Weight/Percent Moisture

Laboratory: Pace Analytical Services - Kansas City

Associated Lab Samples: 60349234001

METHOD BLANK: 2744412

Matrix: Solid

Associated Lab Samples: 60349234001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Percent Moisture	%	ND	0.50	09/24/20 15:45	

SAMPLE DUPLICATE: 2744413

Parameter	Units	60349206002 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	17.9	17.9	0	20	

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QUALIFIERS

Project: PINE LAWN

Pace Project No.: 60349234

DEFINITIONS

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

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

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

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

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

S - Surrogate

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

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

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

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

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

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

TNI - The NELAC Institute.

BATCH QUALIFIERS

Batch: 678959

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

ANALYTE QUALIFIERS

L1	Analyte recovery in the laboratory control sample (LCS) was above QC limits. Results for this analyte in associated samples may be biased high.
L2	Analyte recovery in the laboratory control sample (LCS) was below QC limits. Results for this analyte in associated samples may be biased low.
M1	Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.
R1	RPD value was outside control limits.
S3	Surrogate recovery exceeded laboratory control limits. Analyte presence below reporting limits in associated sample.
SS	This analyte did not meet the secondary source verification criteria for the initial calibration. The reported result should be considered an estimated value.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: PINE LAWN

Pace Project No.: 60349234

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
60349234001	DPT-6-SO-(15-16)	EPA 3546	679537	EPA 8082	680254
60349234002	DPT-5-GW-(15-20)	EPA 3510	680394	EPA 8082	680549
60349234003	DPT-6-GW-(15-20)	EPA 3510	680394	EPA 8082	680549
60349234004	DPT-2-GW-(24-29)	EPA 3510	680394	EPA 8082	680549
60349234005	PINE LAWN-FB2	EPA 3510	680394	EPA 8082	680549
60349234001	DPT-6-SO-(15-16)	EPA 3050	680399	EPA 6010	680674
60349234002	DPT-5-GW-(15-20)	EPA 3010	680313	EPA 6010	680440
60349234003	DPT-6-GW-(15-20)	EPA 3010	680313	EPA 6010	680440
60349234004	DPT-2-GW-(24-29)	EPA 3010	680313	EPA 6010	680440
60349234005	PINE LAWN-FB2	EPA 3010	680313	EPA 6010	680440
60349234002	DPT-5-GW-(15-20)	EPA 3010	680316	EPA 6010	680441
60349234003	DPT-6-GW-(15-20)	EPA 3010	680316	EPA 6010	680441
60349234004	DPT-2-GW-(24-29)	EPA 3010	680316	EPA 6010	680441
60349234005	PINE LAWN-FB2	EPA 3010	680316	EPA 6010	680441
60349234002	DPT-5-GW-(15-20)	EPA 7470	679620	EPA 7470	679743
60349234003	DPT-6-GW-(15-20)	EPA 7470	679620	EPA 7470	679743
60349234004	DPT-2-GW-(24-29)	EPA 7470	679620	EPA 7470	679743
60349234005	PINE LAWN-FB2	EPA 7470	679620	EPA 7470	679743
60349234002	DPT-5-GW-(15-20)	EPA 7470	679617	EPA 7470	679742
60349234003	DPT-6-GW-(15-20)	EPA 7470	679617	EPA 7470	679742
60349234004	DPT-2-GW-(24-29)	EPA 7470	679617	EPA 7470	679742
60349234005	PINE LAWN-FB2	EPA 7470	679617	EPA 7470	679742
60349234001	DPT-6-SO-(15-16)	EPA 7471	679970	EPA 7471	680181
60349234001	DPT-6-SO-(15-16)	EPA 3546	679538	EPA 8270	679906
60349234001	DPT-6-SO-(15-16)	EPA 3546	679229	EPA 8270	680097
60349234002	DPT-5-GW-(15-20)	EPA 3510C	678835	EPA 8270	679489
60349234003	DPT-6-GW-(15-20)	EPA 3510C	678835	EPA 8270	679489
60349234004	DPT-2-GW-(24-29)	EPA 3510C	678835	EPA 8270	679489
60349234005	PINE LAWN-FB2	EPA 3510C	678835	EPA 8270	679489
60349234002	DPT-5-GW-(15-20)	EPA 3510	679482	EPA 8270	679841
60349234003	DPT-6-GW-(15-20)	EPA 3510	679482	EPA 8270	679841
60349234004	DPT-2-GW-(24-29)	EPA 3510	679482	EPA 8270	679841
60349234005	PINE LAWN-FB2	EPA 3510	679482	EPA 8270	679841
60349234001	DPT-6-SO-(15-16)	EPA 5035A/5030	678876	EPA 8260B	678909
60349234002	DPT-5-GW-(15-20)	EPA 5030B/8260	678965		
60349234003	DPT-6-GW-(15-20)	EPA 5030B/8260	678965		
60349234004	DPT-2-GW-(24-29)	EPA 5030B/8260	678965		
60349234005	PINE LAWN-FB2	EPA 5030B/8260	678965		
60349234006	PINE LAWN-GW-TB2	EPA 5030B/8260	678965		
60349234002	DPT-5-GW-(15-20)	EPA 8260	678959		
60349234003	DPT-6-GW-(15-20)	EPA 8260	678959		
60349234004	DPT-2-GW-(24-29)	EPA 8260	678959		

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: PINE LAWN

Pace Project No.: 60349234

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
60349234005	PINE LAWN-FB2	EPA 8260	678959		
60349234001	DPT-6-SO-(15-16)	EPA 5035	678887	EPA 8260	678910
60349234001	DPT-6-SO-(15-16)	ASTM D2974	678754		

REPORT OF LABORATORY ANALYSIS

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**Sample Condition Upon Receipt****WO#: 60349234**Client Name: TetraTechCourier: FedEx ☐ UPS ☐ VIA ☐ Clay ☐ PEX ☐ ECI ☐ Pace ☐ Xroads ☒ Client ☐ Other ☐Tracking #: _____ Pace Shipping Label Used? Yes ☐ No ☒Custody Seal on Cooler/Box Present: Yes ☐ No ☐ Seals intact: Yes ☐ No ☐Packing Material: Bubble Wrap ☐ Bubble Bags ☒ Foam ☐ None ☐ Other ☐Thermometer Used: T294 Type of Ice: Wet ☒ Blue ☐ None ☐Cooler Temperature (°C): As-read 0.5 Corr. Factor -0.4 Corrected 0.1Date and initials of person examining contents: 9/23/2011

Temperature should be above freezing to 6°C

Chain of Custody present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Chain of Custody relinquished:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Samples arrived within holding time:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Short Hold Time analyses (<72hr):	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	
Rush Turn Around Time requested:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	
Sufficient volume:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Correct containers used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Pace containers used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Containers intact:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Unpreserved 5035A / TX1005/1006 soils frozen in 48hrs?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	
Filtered volume received for dissolved tests?	<u>9/23/2011</u> <input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	
Sample labels match COC: Date / time / ID / analyses	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Samples contain multiple phases? Matrix: <u>SWT</u>	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	
Containers requiring pH preservation in compliance? (HNO ₃ , H ₂ SO ₄ , HCl<2; NaOH>9 Sulfide, NaOH>10 Cyanide) (Exceptions: VOA, Micro, O&G, KS TPH, OK-DRO)	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	List sample IDs, volumes, lot #'s of preservative and the date/time added.
Cyanide water sample checks:		
Lead acetate strip turns dark? (Record only)	<input type="checkbox"/> Yes <input type="checkbox"/> No	
Potassium iodide test strip turns blue/purple? (Preserve)	<input type="checkbox"/> Yes <input type="checkbox"/> No	
Trip Blank present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Headspace in VOA vials (>6mm):	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	
Samples from USDA Regulated Area: State: <u>MO</u>	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	
Additional labels attached to 5035A / TX1005 vials in the field?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	

Client Notification/ Resolution:

Copy COC to Client? Y / N

Field Data Required? Y / N

Person Contacted: _____

Date/Time: _____


Comments/ Resolution: _____

Project Manager Review:

Jeffrey Shopper

Date: _____

[illegible]

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS				Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
	Thomas Kaley / Teta Tech Inc	09/22/20	1421	Thuy Thuywongpasit	09/22/20	0459	0.1	Y	Y	Y				
SAMPLER NAME AND SIGNATURE														
PRINT Name of SAMPLER: Thomas Kaley & Stephanie Caples														
SIGNATURE of SAMPLER:  DATE Signed (MM/DD/YYYY): 09/22/20														

Page 70 of 70

October 06, 2020

Kaitlyn Mitchell
Tetra Tech EMI
415 Oak
Kansas City, MO 64106

RE: Project: PINE LAWN
Pace Project No.: 60349310

Dear Kaitlyn Mitchell:

Enclosed are the analytical results for sample(s) received by the laboratory on September 24, 2020. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

- Pace Analytical Services - Kansas City

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

Sincerely,



Jeffrey Shopper
jeff.shopper@pacelabs.com
1(913)563-1408
Project Manager

Enclosures



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: PINE LAWN

Pace Project No.: 60349310

Pace Analytical Services Kansas

9608 Loiret Boulevard, Lenexa, KS 66219

Missouri Inorganic Drinking Water Certification #: 10090

Arkansas Drinking Water

Arkansas Certification #: 20-020-0

Arkansas Drinking Water

Illinois Certification #: 200030

Iowa Certification #: 118

Kansas/NELAP Certification #: E-10116

Louisiana Certification #: 03055

Nevada Certification #: KS000212020-2

Oklahoma Certification #: 9205/9935

Florida: Cert E871149 SEKS WET

Texas Certification #: T104704407-19-12

Utah Certification #: KS000212019-9

Illinois Certification #: 004592

Kansas Field Laboratory Accreditation: # E-92587

Missouri SEKS Micro Certification: 10070

REPORT OF LABORATORY ANALYSIS

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SAMPLE SUMMARY

Project: PINE LAWN

Pace Project No.: 60349310

Lab ID	Sample ID	Matrix	Date Collected	Date Received
60349310001	DPT-15-SO-(29-30)	Solid	09/23/20 11:22	09/24/20 04:44
60349310002	DPT-16-SO-(29-30)	Solid	09/23/20 11:49	09/24/20 04:44
60349310003	DPT-11-GW-(25-30)	Water	09/23/20 12:15	09/24/20 04:44
60349310004	DPT-11-GW-(25-30)-FD	Water	09/23/20 12:15	09/24/20 04:44
60349310005	PINE LAWN-FB3	Water	09/23/20 13:53	09/24/20 04:44
60349310006	PINE LAWN-GW-TB6	Water	09/23/20 13:55	09/24/20 04:44
60349310007	DPT-17-SO-(3-5)	Solid	09/23/20 15:22	09/24/20 04:44

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SAMPLE ANALYTE COUNT

Project: PINE LAWN

Pace Project No.: 60349310

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
60349310001	DPT-15-SO-(29-30)	EPA 8082	AJB1	8	PASI-K
		EPA 6010	TDS	7	PASI-K
		EPA 7471	MRV	1	PASI-K
		EPA 8270	JMT	73	PASI-K
		EPA 8270	NAW	5	PASI-K
		EPA 8260B	RAD	68	PASI-K
		EPA 8260	RAD	4	PASI-K
		ASTM D2974	DWC	1	PASI-K
60349310002	DPT-16-SO-(29-30)	EPA 8082	AJB1	8	PASI-K
		EPA 6010	TDS	7	PASI-K
		EPA 7471	MRV	1	PASI-K
		EPA 8270	JMT	73	PASI-K
		EPA 8270	NAW	5	PASI-K
		EPA 8260B	RAD	68	PASI-K
		EPA 8260	RAD	4	PASI-K
		ASTM D2974	DWC	1	PASI-K
60349310003	DPT-11-GW-(25-30)	EPA 8082	AJB1	8	PASI-K
		EPA 6010	TDS	7	PASI-K
		EPA 6010	TDS	7	PASI-K
		EPA 7470	MRV	1	PASI-K
		EPA 7470	MRV	1	PASI-K
		EPA 8270	NAW	5	PASI-K
		EPA 8270	JMT	73	PASI-K
		EPA 5030B/8260	EAG	69	PASI-K
60349310004	DPT-11-GW-(25-30)-FD	EPA 8260	DTB	5	PASI-K
		EPA 8082	AJB1	8	PASI-K
		EPA 6010	TDS	7	PASI-K
		EPA 6010	TDS	7	PASI-K
		EPA 7470	MRV	1	PASI-K
		EPA 7470	MRV	1	PASI-K
		EPA 8270	NAW	5	PASI-K
		EPA 8270	JMT	73	PASI-K
60349310005	PINE LAWN-FB3	EPA 5030B/8260	EAG	69	PASI-K
		EPA 8260	DTB	5	PASI-K
		EPA 8082	AJB1	8	PASI-K
		EPA 6010	TDS	7	PASI-K
		EPA 6010	TDS	7	PASI-K
		EPA 7470	MRV	1	PASI-K
		EPA 7470	MRV	1	PASI-K
		EPA 8270	NAW	5	PASI-K

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SAMPLE ANALYTE COUNT

Project: PINE LAWN

Pace Project No.: 60349310

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
60349310006	PINE LAWN-GW-TB6	EPA 7470	MRV	1	PASI-K
		EPA 7470	MRV	1	PASI-K
		EPA 8270	NAW	5	PASI-K
		EPA 8270	JMT	73	PASI-K
		EPA 5030B/8260	EAG	69	PASI-K
		EPA 8260	EAG	5	PASI-K
		EPA 5030B/8260	EAG	69	PASI-K
		EPA 8082	AJB1	8	PASI-K
		EPA 6010	TDS	7	PASI-K
		EPA 7471	MRV	1	PASI-K
		EPA 8270	JMT	73	PASI-K
		EPA 8270	NAW	5	PASI-K
		EPA 8260B	RAD	68	PASI-K
		EPA 8260	RAD	4	PASI-K
60349310007	DPT-17-SO-(3-5)	ASTM D2974	DWC	1	PASI-K

PASI-K = Pace Analytical Services - Kansas City

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: PINE LAWN

Pace Project No.: 60349310

Sample: DPT-15-SO-(29-30) **Lab ID:** 60349310001 **Collected:** 09/23/20 11:22 **Received:** 09/24/20 04:44 **Matrix:** Solid

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

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8082 GCS PCB SW								
Analytical Method: EPA 8082 Preparation Method: EPA 3546								
Pace Analytical Services - Kansas City								
PCB-1016 (Aroclor 1016)	ND	ug/kg	38.5	1	09/29/20 15:19	10/01/20 23:20	12674-11-2	
PCB-1221 (Aroclor 1221)	ND	ug/kg	38.5	1	09/29/20 15:19	10/01/20 23:20	11104-28-2	
PCB-1232 (Aroclor 1232)	ND	ug/kg	38.5	1	09/29/20 15:19	10/01/20 23:20	11141-16-5	
PCB-1242 (Aroclor 1242)	ND	ug/kg	38.5	1	09/29/20 15:19	10/01/20 23:20	53469-21-9	
PCB-1248 (Aroclor 1248)	ND	ug/kg	38.5	1	09/29/20 15:19	10/01/20 23:20	12672-29-6	
PCB-1254 (Aroclor 1254)	ND	ug/kg	38.5	1	09/29/20 15:19	10/01/20 23:20	11097-69-1	
PCB-1260 (Aroclor 1260)	ND	ug/kg	38.5	1	09/29/20 15:19	10/01/20 23:20	11096-82-5	
Surrogates								
Decachlorobiphenyl (S)	91	%	28-143	1	09/29/20 15:19	10/01/20 23:20	2051-24-3	
6010 MET ICP Red. Interference								
Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Pace Analytical Services - Kansas City								
Arsenic	8.8	mg/kg	1.0	1	10/02/20 10:03	10/05/20 20:15	7440-38-2	
Barium	515	mg/kg	0.51	1	10/02/20 10:03	10/05/20 20:15	7440-39-3	M1,R1
Cadmium	0.66	mg/kg	0.51	1	10/02/20 10:03	10/05/20 20:15	7440-43-9	
Chromium	35.6	mg/kg	1.0	2	10/02/20 10:03	10/06/20 10:33	7440-47-3	
Lead	20.1	mg/kg	1.0	1	10/02/20 10:03	10/05/20 20:15	7439-92-1	
Selenium	ND	mg/kg	3.1	2	10/02/20 10:03	10/06/20 10:33	7782-49-2	D3
Silver	ND	mg/kg	1.4	2	10/02/20 10:03	10/06/20 10:33	7440-22-4	D3
7471 Mercury								
Analytical Method: EPA 7471 Preparation Method: EPA 7471								
Pace Analytical Services - Kansas City								
Mercury	ND	mg/kg	0.047	1	09/30/20 18:07	10/01/20 13:03	7439-97-6	
8270 MSSV Semivolatiles								
Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Pace Analytical Services - Kansas City								
Acenaphthene	ND	ug/kg	388	1	09/29/20 13:22	09/30/20 19:35	83-32-9	
Acenaphthylene	ND	ug/kg	388	1	09/29/20 13:22	09/30/20 19:35	208-96-8	
Anthracene	ND	ug/kg	388	1	09/29/20 13:22	09/30/20 19:35	120-12-7	
Benzo(a)anthracene	ND	ug/kg	388	1	09/29/20 13:22	09/30/20 19:35	56-55-3	
Benzo(a)pyrene	ND	ug/kg	388	1	09/29/20 13:22	09/30/20 19:35	50-32-8	
Benzo(b)fluoranthene	ND	ug/kg	388	1	09/29/20 13:22	09/30/20 19:35	205-99-2	
Benzo(g,h,i)perylene	ND	ug/kg	388	1	09/29/20 13:22	09/30/20 19:35	191-24-2	
Benzo(k)fluoranthene	ND	ug/kg	388	1	09/29/20 13:22	09/30/20 19:35	207-08-9	
Benzoic Acid	ND	ug/kg	1960	1	09/29/20 13:22	09/30/20 19:35	65-85-0	L1
Benzyl alcohol	ND	ug/kg	776	1	09/29/20 13:22	09/30/20 19:35	100-51-6	
4-Bromophenylphenyl ether	ND	ug/kg	388	1	09/29/20 13:22	09/30/20 19:35	101-55-3	
Butylbenzylphthalate	ND	ug/kg	388	1	09/29/20 13:22	09/30/20 19:35	85-68-7	
Carbazole	ND	ug/kg	388	1	09/29/20 13:22	09/30/20 19:35	86-74-8	
4-Chloro-3-methylphenol	ND	ug/kg	776	1	09/29/20 13:22	09/30/20 19:35	59-50-7	
4-Chloroaniline	ND	ug/kg	776	1	09/29/20 13:22	09/30/20 19:35	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/kg	388	1	09/29/20 13:22	09/30/20 19:35	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/kg	388	1	09/29/20 13:22	09/30/20 19:35	111-44-4	
bis(2-Chloroisopropyl) ether	ND	ug/kg	388	1	09/29/20 13:22	09/30/20 19:35	108-60-1	
2-Chloronaphthalene	ND	ug/kg	388	1	09/29/20 13:22	09/30/20 19:35	91-58-7	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: PINE LAWN

Pace Project No.: 60349310

Sample: DPT-15-SO-(29-30) Lab ID: 60349310001 Collected: 09/23/20 11:22 Received: 09/24/20 04:44 Matrix: Solid

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

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Semivolatiles		Analytical Method: EPA 8270 Preparation Method: EPA 3546 Pace Analytical Services - Kansas City						
2-Chlorophenol	ND	ug/kg	388	1	09/29/20 13:22	09/30/20 19:35	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/kg	388	1	09/29/20 13:22	09/30/20 19:35	7005-72-3	
Chrysene	ND	ug/kg	388	1	09/29/20 13:22	09/30/20 19:35	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	388	1	09/29/20 13:22	09/30/20 19:35	53-70-3	
Dibenzofuran	ND	ug/kg	388	1	09/29/20 13:22	09/30/20 19:35	132-64-9	
1,2-Dichlorobenzene	ND	ug/kg	388	1	09/29/20 13:22	09/30/20 19:35	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	388	1	09/29/20 13:22	09/30/20 19:35	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	388	1	09/29/20 13:22	09/30/20 19:35	106-46-7	
3,3'-Dichlorobenzidine	ND	ug/kg	776	1	09/29/20 13:22	09/30/20 19:35	91-94-1	
2,4-Dichlorophenol	ND	ug/kg	388	1	09/29/20 13:22	09/30/20 19:35	120-83-2	
Diethylphthalate	ND	ug/kg	388	1	09/29/20 13:22	09/30/20 19:35	84-66-2	
2,4-Dimethylphenol	ND	ug/kg	388	1	09/29/20 13:22	09/30/20 19:35	105-67-9	
Dimethylphthalate	ND	ug/kg	388	1	09/29/20 13:22	09/30/20 19:35	131-11-3	
Di-n-butylphthalate	ND	ug/kg	388	1	09/29/20 13:22	09/30/20 19:35	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/kg	1960	1	09/29/20 13:22	09/30/20 19:35	534-52-1	
2,4-Dinitrophenol	ND	ug/kg	1960	1	09/29/20 13:22	09/30/20 19:35	51-28-5	
2,4-Dinitrotoluene	ND	ug/kg	388	1	09/29/20 13:22	09/30/20 19:35	121-14-2	
2,6-Dinitrotoluene	ND	ug/kg	388	1	09/29/20 13:22	09/30/20 19:35	606-20-2	
Di-n-octylphthalate	ND	ug/kg	388	1	09/29/20 13:22	09/30/20 19:35	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/kg	388	1	09/29/20 13:22	09/30/20 19:35	117-81-7	
Fluoranthene	ND	ug/kg	388	1	09/29/20 13:22	09/30/20 19:35	206-44-0	
Fluorene	ND	ug/kg	388	1	09/29/20 13:22	09/30/20 19:35	86-73-7	
Hexachloro-1,3-butadiene	ND	ug/kg	388	1	09/29/20 13:22	09/30/20 19:35	87-68-3	
Hexachlorobenzene	ND	ug/kg	388	1	09/29/20 13:22	09/30/20 19:35	118-74-1	
Hexachlorocyclopentadiene	ND	ug/kg	388	1	09/29/20 13:22	09/30/20 19:35	77-47-4	
Hexachloroethane	ND	ug/kg	388	1	09/29/20 13:22	09/30/20 19:35	67-72-1	
Indeno(1,2,3-cd)pyrene	ND	ug/kg	388	1	09/29/20 13:22	09/30/20 19:35	193-39-5	
Isophorone	ND	ug/kg	388	1	09/29/20 13:22	09/30/20 19:35	78-59-1	
2-Methylnaphthalene	ND	ug/kg	388	1	09/29/20 13:22	09/30/20 19:35	91-57-6	
2-Methylphenol(o-Cresol)	ND	ug/kg	388	1	09/29/20 13:22	09/30/20 19:35	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/kg	388	1	09/29/20 13:22	09/30/20 19:35	15831-10-4	
Naphthalene	ND	ug/kg	388	1	09/29/20 13:22	09/30/20 19:35	91-20-3	
2-Nitroaniline	ND	ug/kg	776	1	09/29/20 13:22	09/30/20 19:35	88-74-4	
3-Nitroaniline	ND	ug/kg	776	1	09/29/20 13:22	09/30/20 19:35	99-09-2	
4-Nitroaniline	ND	ug/kg	776	1	09/29/20 13:22	09/30/20 19:35	100-01-6	
Nitrobenzene	ND	ug/kg	388	1	09/29/20 13:22	09/30/20 19:35	98-95-3	
2-Nitrophenol	ND	ug/kg	388	1	09/29/20 13:22	09/30/20 19:35	88-75-5	
4-Nitrophenol	ND	ug/kg	1960	1	09/29/20 13:22	09/30/20 19:35	100-02-7	
N-Nitroso-di-n-propylamine	ND	ug/kg	388	1	09/29/20 13:22	09/30/20 19:35	621-64-7	
N-Nitrosodiphenylamine	ND	ug/kg	388	1	09/29/20 13:22	09/30/20 19:35	86-30-6	
Pentachlorophenol	ND	ug/kg	1960	1	09/29/20 13:22	09/30/20 19:35	87-86-5	
Phenanthrene	ND	ug/kg	388	1	09/29/20 13:22	09/30/20 19:35	85-01-8	
Phenol	ND	ug/kg	388	1	09/29/20 13:22	09/30/20 19:35	108-95-2	
Pyrene	ND	ug/kg	388	1	09/29/20 13:22	09/30/20 19:35	129-00-0	
Pyridine	ND	ug/kg	388	1	09/29/20 13:22	09/30/20 19:35	110-86-1	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: PINE LAWN

Pace Project No.: 60349310

Sample: DPT-15-SO-(29-30) **Lab ID:** 60349310001 **Collected:** 09/23/20 11:22 **Received:** 09/24/20 04:44 **Matrix:** Solid

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

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Semivolatiles								
Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Pace Analytical Services - Kansas City								
1,2,4-Trichlorobenzene	ND	ug/kg	388	1	09/29/20 13:22	09/30/20 19:35	120-82-1	
2,4,5-Trichlorophenol	ND	ug/kg	388	1	09/29/20 13:22	09/30/20 19:35	95-95-4	
2,4,6-Trichlorophenol	ND	ug/kg	388	1	09/29/20 13:22	09/30/20 19:35	88-06-2	
Surrogates								
Nitrobenzene-d5 (S)	68	%	33-132	1	09/29/20 13:22	09/30/20 19:35	4165-60-0	
2-Fluorobiphenyl (S)	66	%	39-136	1	09/29/20 13:22	09/30/20 19:35	321-60-8	
Terphenyl-d14 (S)	72	%	29-131	1	09/29/20 13:22	09/30/20 19:35	1718-51-0	
Phenol-d6 (S)	61	%	43-95	1	09/29/20 13:22	09/30/20 19:35	13127-88-3	
2-Fluorophenol (S)	59	%	43-96	1	09/29/20 13:22	09/30/20 19:35	367-12-4	
2,4,6-Tribromophenol (S)	59	%	41-108	1	09/29/20 13:22	09/30/20 19:35	118-79-6	
8270 MSSV DRO/ORO								
Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Pace Analytical Services - Kansas City								
TPH-ORO	ND	mg/kg	17.5	1	09/30/20 14:55	10/05/20 12:52		
TPH-DRO	ND	mg/kg	17.5	1	09/30/20 14:55	10/05/20 12:52		
Surrogates								
Nitrobenzene-d5 (S)	75	%	33-132	1	09/30/20 14:55	10/05/20 12:52	4165-60-0	
2-Fluorobiphenyl (S)	81	%	39-136	1	09/30/20 14:55	10/05/20 12:52	321-60-8	
Terphenyl-d14 (S)	87	%	29-131	1	09/30/20 14:55	10/05/20 12:52	1718-51-0	
8260 MSV 5035A VOA								
Analytical Method: EPA 8260B Preparation Method: EPA 5035A/5030								
Pace Analytical Services - Kansas City								
Acetone	ND	ug/kg	15.0	1	09/25/20 15:41	09/25/20 19:48	67-64-1	
Benzene	ND	ug/kg	3.8	1	09/25/20 15:41	09/25/20 19:48	71-43-2	
Bromobenzene	ND	ug/kg	3.8	1	09/25/20 15:41	09/25/20 19:48	108-86-1	
Bromochloromethane	ND	ug/kg	3.8	1	09/25/20 15:41	09/25/20 19:48	74-97-5	
Bromodichloromethane	ND	ug/kg	3.8	1	09/25/20 15:41	09/25/20 19:48	75-27-4	
Bromoform	ND	ug/kg	3.8	1	09/25/20 15:41	09/25/20 19:48	75-25-2	
Bromomethane	ND	ug/kg	3.8	1	09/25/20 15:41	09/25/20 19:48	74-83-9	
2-Butanone (MEK)	ND	ug/kg	7.5	1	09/25/20 15:41	09/25/20 19:48	78-93-3	
n-Butylbenzene	ND	ug/kg	3.8	1	09/25/20 15:41	09/25/20 19:48	104-51-8	
sec-Butylbenzene	ND	ug/kg	3.8	1	09/25/20 15:41	09/25/20 19:48	135-98-8	
tert-Butylbenzene	ND	ug/kg	18.8	1	09/25/20 15:41	09/25/20 19:48	98-06-6	
Carbon disulfide	ND	ug/kg	3.8	1	09/25/20 15:41	09/25/20 19:48	75-15-0	
Carbon tetrachloride	ND	ug/kg	3.8	1	09/25/20 15:41	09/25/20 19:48	56-23-5	
Chlorobenzene	ND	ug/kg	3.8	1	09/25/20 15:41	09/25/20 19:48	108-90-7	
Chloroethane	ND	ug/kg	3.8	1	09/25/20 15:41	09/25/20 19:48	75-00-3	
Chloroform	ND	ug/kg	3.8	1	09/25/20 15:41	09/25/20 19:48	67-66-3	
Chloromethane	ND	ug/kg	3.8	1	09/25/20 15:41	09/25/20 19:48	74-87-3	
2-Chlorotoluene	ND	ug/kg	3.8	1	09/25/20 15:41	09/25/20 19:48	95-49-8	
4-Chlorotoluene	ND	ug/kg	3.8	1	09/25/20 15:41	09/25/20 19:48	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/kg	7.5	1	09/25/20 15:41	09/25/20 19:48	96-12-8	
Dibromochloromethane	ND	ug/kg	3.8	1	09/25/20 15:41	09/25/20 19:48	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	3.8	1	09/25/20 15:41	09/25/20 19:48	106-93-4	
Dibromomethane	ND	ug/kg	3.8	1	09/25/20 15:41	09/25/20 19:48	74-95-3	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: PINE LAWN

Pace Project No.: 60349310

Sample: DPT-15-SO-(29-30) **Lab ID:** 60349310001 **Collected:** 09/23/20 11:22 **Received:** 09/24/20 04:44 **Matrix:** Solid

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

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
8260 MSV 5035A VOA	Analytical Method: EPA 8260B Preparation Method: EPA 5035A/5030 Pace Analytical Services - Kansas City								
1,2-Dichlorobenzene	ND	ug/kg	3.8	1	09/25/20 15:41	09/25/20 19:48	95-50-1	SS	
1,3-Dichlorobenzene	ND	ug/kg	3.8	1	09/25/20 15:41	09/25/20 19:48	541-73-1		
1,4-Dichlorobenzene	ND	ug/kg	3.8	1	09/25/20 15:41	09/25/20 19:48	106-46-7		
Dichlorodifluoromethane	ND	ug/kg	3.8	1	09/25/20 15:41	09/25/20 19:48	75-71-8		
1,1-Dichloroethane	ND	ug/kg	3.8	1	09/25/20 15:41	09/25/20 19:48	75-34-3		
1,2-Dichloroethane	ND	ug/kg	3.8	1	09/25/20 15:41	09/25/20 19:48	107-06-2		
1,2-Dichloroethene (Total)	ND	ug/kg	3.8	1	09/25/20 15:41	09/25/20 19:48	540-59-0		
1,1-Dichloroethene	ND	ug/kg	3.8	1	09/25/20 15:41	09/25/20 19:48	75-35-4		
cis-1,2-Dichloroethene	ND	ug/kg	3.8	1	09/25/20 15:41	09/25/20 19:48	156-59-2		
trans-1,2-Dichloroethene	ND	ug/kg	3.8	1	09/25/20 15:41	09/25/20 19:48	156-60-5		
1,2-Dichloropropane	ND	ug/kg	3.8	1	09/25/20 15:41	09/25/20 19:48	78-87-5		
1,3-Dichloropropane	ND	ug/kg	3.8	1	09/25/20 15:41	09/25/20 19:48	142-28-9		
2,2-Dichloropropane	ND	ug/kg	3.8	1	09/25/20 15:41	09/25/20 19:48	594-20-7		
1,1-Dichloropropene	ND	ug/kg	3.8	1	09/25/20 15:41	09/25/20 19:48	563-58-6		
cis-1,3-Dichloropropene	ND	ug/kg	3.8	1	09/25/20 15:41	09/25/20 19:48	10061-01-5		
trans-1,3-Dichloropropene	ND	ug/kg	3.8	1	09/25/20 15:41	09/25/20 19:48	10061-02-6		
Ethylbenzene	ND	ug/kg	3.8	1	09/25/20 15:41	09/25/20 19:48	100-41-4		
Hexachloro-1,3-butadiene	ND	ug/kg	3.8	1	09/25/20 15:41	09/25/20 19:48	87-68-3		
2-Hexanone	ND	ug/kg	15.0	1	09/25/20 15:41	09/25/20 19:48	591-78-6		
Isopropylbenzene (Cumene)	ND	ug/kg	3.8	1	09/25/20 15:41	09/25/20 19:48	98-82-8		
p-Isopropyltoluene	ND	ug/kg	3.8	1	09/25/20 15:41	09/25/20 19:48	99-87-6		
Methylene Chloride	ND	ug/kg	3.8	1	09/25/20 15:41	09/25/20 19:48	75-09-2		
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	7.5	1	09/25/20 15:41	09/25/20 19:48	108-10-1		
Methyl-tert-butyl ether	ND	ug/kg	3.8	1	09/25/20 15:41	09/25/20 19:48	1634-04-4		
Naphthalene	ND	ug/kg	7.5	1	09/25/20 15:41	09/25/20 19:48	91-20-3		
n-Propylbenzene	ND	ug/kg	3.8	1	09/25/20 15:41	09/25/20 19:48	103-65-1		
Styrene	ND	ug/kg	3.8	1	09/25/20 15:41	09/25/20 19:48	100-42-5		
1,1,1,2-Tetrachloroethane	ND	ug/kg	3.8	1	09/25/20 15:41	09/25/20 19:48	630-20-6		
1,1,2,2-Tetrachloroethane	ND	ug/kg	3.8	1	09/25/20 15:41	09/25/20 19:48	79-34-5		
Tetrachloroethene	ND	ug/kg	3.8	1	09/25/20 15:41	09/25/20 19:48	127-18-4		
Toluene	ND	ug/kg	3.8	1	09/25/20 15:41	09/25/20 19:48	108-88-3		
1,2,3-Trichlorobenzene	ND	ug/kg	3.8	1	09/25/20 15:41	09/25/20 19:48	87-61-6		
1,2,4-Trichlorobenzene	ND	ug/kg	3.8	1	09/25/20 15:41	09/25/20 19:48	120-82-1		
1,1,1-Trichloroethane	ND	ug/kg	3.8	1	09/25/20 15:41	09/25/20 19:48	71-55-6		
1,1,2-Trichloroethane	ND	ug/kg	3.8	1	09/25/20 15:41	09/25/20 19:48	79-00-5		
Trichloroethene	ND	ug/kg	3.8	1	09/25/20 15:41	09/25/20 19:48	79-01-6		
Trichlorofluoromethane	ND	ug/kg	3.8	1	09/25/20 15:41	09/25/20 19:48	75-69-4		
1,2,3-Trichloropropane	ND	ug/kg	3.8	1	09/25/20 15:41	09/25/20 19:48	96-18-4		
1,2,4-Trimethylbenzene	ND	ug/kg	3.8	1	09/25/20 15:41	09/25/20 19:48	95-63-6		
1,3,5-Trimethylbenzene	ND	ug/kg	3.8	1	09/25/20 15:41	09/25/20 19:48	108-67-8		
Vinyl chloride	ND	ug/kg	3.8	1	09/25/20 15:41	09/25/20 19:48	75-01-4		
Xylene (Total)	ND	ug/kg	3.8	1	09/25/20 15:41	09/25/20 19:48	1330-20-7		
Surrogates									
Toluene-d8 (S)	101	%	80-120	1	09/25/20 15:41	09/25/20 19:48	2037-26-5		
4-Bromofluorobenzene (S)	96	%	85-115	1	09/25/20 15:41	09/25/20 19:48	460-00-4		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: PINE LAWN

Pace Project No.: 60349310

Sample: DPT-15-SO-(29-30) **Lab ID:** 60349310001 Collected: 09/23/20 11:22 Received: 09/24/20 04:44 Matrix: Solid

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

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035A VOA								
Analytical Method: EPA 8260B Preparation Method: EPA 5035A/5030								
Pace Analytical Services - Kansas City								
Surrogates								
1,2-Dichloroethane-d4 (S)	107	%	78-118	1	09/25/20 15:41	09/25/20 19:48	17060-07-0	
8260 MSV GRO and Oxygenates								
Analytical Method: EPA 8260 Preparation Method: EPA 5035								
Pace Analytical Services - Kansas City								
TPH-GRO	ND	mg/kg	0.38	1	09/25/20 15:41	09/25/20 19:48		
Surrogates								
Toluene-d8 (S)	101	%	78-122	1	09/25/20 15:41	09/25/20 19:48	2037-26-5	
4-Bromofluorobenzene (S)	96	%	69-133	1	09/25/20 15:41	09/25/20 19:48	460-00-4	
1,2-Dichloroethane-d4 (S)	107	%	80-123	1	09/25/20 15:41	09/25/20 19:48	17060-07-0	
Percent Moisture								
Analytical Method: ASTM D2974								
Pace Analytical Services - Kansas City								
Percent Moisture	15.7	%	0.50	1		09/25/20 11:09		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: PINE LAWN

Pace Project No.: 60349310

Sample: DPT-16-SO-(29-30) **Lab ID: 60349310002** Collected: 09/23/20 11:49 Received: 09/24/20 04:44 Matrix: Solid

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

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8082 GCS PCB SW								
Analytical Method: EPA 8082 Preparation Method: EPA 3546								
Pace Analytical Services - Kansas City								
PCB-1016 (Aroclor 1016)	ND	ug/kg	36.7	1	09/29/20 15:19	10/01/20 23:37	12674-11-2	
PCB-1221 (Aroclor 1221)	ND	ug/kg	36.7	1	09/29/20 15:19	10/01/20 23:37	11104-28-2	
PCB-1232 (Aroclor 1232)	ND	ug/kg	36.7	1	09/29/20 15:19	10/01/20 23:37	11141-16-5	
PCB-1242 (Aroclor 1242)	ND	ug/kg	36.7	1	09/29/20 15:19	10/01/20 23:37	53469-21-9	
PCB-1248 (Aroclor 1248)	ND	ug/kg	36.7	1	09/29/20 15:19	10/01/20 23:37	12672-29-6	
PCB-1254 (Aroclor 1254)	ND	ug/kg	36.7	1	09/29/20 15:19	10/01/20 23:37	11097-69-1	
PCB-1260 (Aroclor 1260)	ND	ug/kg	36.7	1	09/29/20 15:19	10/01/20 23:37	11096-82-5	
Surrogates								
Decachlorobiphenyl (S)	89	%	28-143	1	09/29/20 15:19	10/01/20 23:37	2051-24-3	
6010 MET ICP Red. Interference								
Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Pace Analytical Services - Kansas City								
Arsenic	2.4	mg/kg	0.90	1	10/02/20 10:03	10/05/20 20:28	7440-38-2	
Barium	81.6	mg/kg	0.45	1	10/02/20 10:03	10/05/20 20:28	7440-39-3	
Cadmium	ND	mg/kg	0.45	1	10/02/20 10:03	10/05/20 20:28	7440-43-9	
Chromium	27.5	mg/kg	0.45	1	10/02/20 10:03	10/05/20 20:28	7440-47-3	
Lead	8.0	mg/kg	0.90	1	10/02/20 10:03	10/05/20 20:28	7439-92-1	
Selenium	ND	mg/kg	1.3	1	10/02/20 10:03	10/05/20 20:28	7782-49-2	
Silver	ND	mg/kg	0.63	1	10/02/20 10:03	10/05/20 20:28	7440-22-4	
7471 Mercury								
Analytical Method: EPA 7471 Preparation Method: EPA 7471								
Pace Analytical Services - Kansas City								
Mercury	ND	mg/kg	0.055	1	09/30/20 18:07	10/01/20 13:05	7439-97-6	
8270 MSSV Semivolatiles								
Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Pace Analytical Services - Kansas City								
Acenaphthene	ND	ug/kg	373	1	09/29/20 13:22	09/30/20 19:56	83-32-9	
Acenaphthylene	ND	ug/kg	373	1	09/29/20 13:22	09/30/20 19:56	208-96-8	
Anthracene	ND	ug/kg	373	1	09/29/20 13:22	09/30/20 19:56	120-12-7	
Benzo(a)anthracene	ND	ug/kg	373	1	09/29/20 13:22	09/30/20 19:56	56-55-3	
Benzo(a)pyrene	ND	ug/kg	373	1	09/29/20 13:22	09/30/20 19:56	50-32-8	
Benzo(b)fluoranthene	ND	ug/kg	373	1	09/29/20 13:22	09/30/20 19:56	205-99-2	
Benzo(g,h,i)perylene	ND	ug/kg	373	1	09/29/20 13:22	09/30/20 19:56	191-24-2	
Benzo(k)fluoranthene	ND	ug/kg	373	1	09/29/20 13:22	09/30/20 19:56	207-08-9	
Benzoic Acid	ND	ug/kg	1890	1	09/29/20 13:22	09/30/20 19:56	65-85-0	L1
Benzyl alcohol	ND	ug/kg	745	1	09/29/20 13:22	09/30/20 19:56	100-51-6	
4-Bromophenylphenyl ether	ND	ug/kg	373	1	09/29/20 13:22	09/30/20 19:56	101-55-3	
Butylbenzylphthalate	ND	ug/kg	373	1	09/29/20 13:22	09/30/20 19:56	85-68-7	
Carbazole	ND	ug/kg	373	1	09/29/20 13:22	09/30/20 19:56	86-74-8	
4-Chloro-3-methylphenol	ND	ug/kg	745	1	09/29/20 13:22	09/30/20 19:56	59-50-7	
4-Chloroaniline	ND	ug/kg	745	1	09/29/20 13:22	09/30/20 19:56	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/kg	373	1	09/29/20 13:22	09/30/20 19:56	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/kg	373	1	09/29/20 13:22	09/30/20 19:56	111-44-4	
bis(2-Chloroisopropyl) ether	ND	ug/kg	373	1	09/29/20 13:22	09/30/20 19:56	108-60-1	
2-Chloronaphthalene	ND	ug/kg	373	1	09/29/20 13:22	09/30/20 19:56	91-58-7	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: PINE LAWN

Pace Project No.: 60349310

Sample: DPT-16-SO-(29-30) **Lab ID: 60349310002** Collected: 09/23/20 11:49 Received: 09/24/20 04:44 Matrix: Solid

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

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Semivolatiles		Analytical Method: EPA 8270 Preparation Method: EPA 3546 Pace Analytical Services - Kansas City						
2-Chlorophenol	ND	ug/kg	373	1	09/29/20 13:22	09/30/20 19:56	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/kg	373	1	09/29/20 13:22	09/30/20 19:56	7005-72-3	
Chrysene	ND	ug/kg	373	1	09/29/20 13:22	09/30/20 19:56	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	373	1	09/29/20 13:22	09/30/20 19:56	53-70-3	
Dibenzofuran	ND	ug/kg	373	1	09/29/20 13:22	09/30/20 19:56	132-64-9	
1,2-Dichlorobenzene	ND	ug/kg	373	1	09/29/20 13:22	09/30/20 19:56	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	373	1	09/29/20 13:22	09/30/20 19:56	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	373	1	09/29/20 13:22	09/30/20 19:56	106-46-7	
3,3'-Dichlorobenzidine	ND	ug/kg	745	1	09/29/20 13:22	09/30/20 19:56	91-94-1	
2,4-Dichlorophenol	ND	ug/kg	373	1	09/29/20 13:22	09/30/20 19:56	120-83-2	
Diethylphthalate	ND	ug/kg	373	1	09/29/20 13:22	09/30/20 19:56	84-66-2	
2,4-Dimethylphenol	ND	ug/kg	373	1	09/29/20 13:22	09/30/20 19:56	105-67-9	
Dimethylphthalate	ND	ug/kg	373	1	09/29/20 13:22	09/30/20 19:56	131-11-3	
Di-n-butylphthalate	ND	ug/kg	373	1	09/29/20 13:22	09/30/20 19:56	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/kg	1890	1	09/29/20 13:22	09/30/20 19:56	534-52-1	
2,4-Dinitrophenol	ND	ug/kg	1890	1	09/29/20 13:22	09/30/20 19:56	51-28-5	
2,4-Dinitrotoluene	ND	ug/kg	373	1	09/29/20 13:22	09/30/20 19:56	121-14-2	
2,6-Dinitrotoluene	ND	ug/kg	373	1	09/29/20 13:22	09/30/20 19:56	606-20-2	
Di-n-octylphthalate	ND	ug/kg	373	1	09/29/20 13:22	09/30/20 19:56	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/kg	373	1	09/29/20 13:22	09/30/20 19:56	117-81-7	
Fluoranthene	ND	ug/kg	373	1	09/29/20 13:22	09/30/20 19:56	206-44-0	
Fluorene	ND	ug/kg	373	1	09/29/20 13:22	09/30/20 19:56	86-73-7	
Hexachloro-1,3-butadiene	ND	ug/kg	373	1	09/29/20 13:22	09/30/20 19:56	87-68-3	
Hexachlorobenzene	ND	ug/kg	373	1	09/29/20 13:22	09/30/20 19:56	118-74-1	
Hexachlorocyclopentadiene	ND	ug/kg	373	1	09/29/20 13:22	09/30/20 19:56	77-47-4	
Hexachloroethane	ND	ug/kg	373	1	09/29/20 13:22	09/30/20 19:56	67-72-1	
Indeno(1,2,3-cd)pyrene	ND	ug/kg	373	1	09/29/20 13:22	09/30/20 19:56	193-39-5	
Isophorone	ND	ug/kg	373	1	09/29/20 13:22	09/30/20 19:56	78-59-1	
2-Methylnaphthalene	ND	ug/kg	373	1	09/29/20 13:22	09/30/20 19:56	91-57-6	
2-Methylphenol(o-Cresol)	ND	ug/kg	373	1	09/29/20 13:22	09/30/20 19:56	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/kg	373	1	09/29/20 13:22	09/30/20 19:56	15831-10-4	
Naphthalene	ND	ug/kg	373	1	09/29/20 13:22	09/30/20 19:56	91-20-3	
2-Nitroaniline	ND	ug/kg	745	1	09/29/20 13:22	09/30/20 19:56	88-74-4	
3-Nitroaniline	ND	ug/kg	745	1	09/29/20 13:22	09/30/20 19:56	99-09-2	
4-Nitroaniline	ND	ug/kg	745	1	09/29/20 13:22	09/30/20 19:56	100-01-6	
Nitrobenzene	ND	ug/kg	373	1	09/29/20 13:22	09/30/20 19:56	98-95-3	
2-Nitrophenol	ND	ug/kg	373	1	09/29/20 13:22	09/30/20 19:56	88-75-5	
4-Nitrophenol	ND	ug/kg	1890	1	09/29/20 13:22	09/30/20 19:56	100-02-7	
N-Nitroso-di-n-propylamine	ND	ug/kg	373	1	09/29/20 13:22	09/30/20 19:56	621-64-7	
N-Nitrosodiphenylamine	ND	ug/kg	373	1	09/29/20 13:22	09/30/20 19:56	86-30-6	
Pentachlorophenol	ND	ug/kg	1890	1	09/29/20 13:22	09/30/20 19:56	87-86-5	
Phenanthrene	ND	ug/kg	373	1	09/29/20 13:22	09/30/20 19:56	85-01-8	
Phenol	ND	ug/kg	373	1	09/29/20 13:22	09/30/20 19:56	108-95-2	
Pyrene	ND	ug/kg	373	1	09/29/20 13:22	09/30/20 19:56	129-00-0	
Pyridine	ND	ug/kg	373	1	09/29/20 13:22	09/30/20 19:56	110-86-1	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: PINE LAWN

Pace Project No.: 60349310

Sample: DPT-16-SO-(29-30) **Lab ID: 60349310002** Collected: 09/23/20 11:49 Received: 09/24/20 04:44 Matrix: Solid

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

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Semivolatiles								
Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Pace Analytical Services - Kansas City								
1,2,4-Trichlorobenzene	ND	ug/kg	373	1	09/29/20 13:22	09/30/20 19:56	120-82-1	
2,4,5-Trichlorophenol	ND	ug/kg	373	1	09/29/20 13:22	09/30/20 19:56	95-95-4	
2,4,6-Trichlorophenol	ND	ug/kg	373	1	09/29/20 13:22	09/30/20 19:56	88-06-2	
Surrogates								
Nitrobenzene-d5 (S)	73	%	33-132	1	09/29/20 13:22	09/30/20 19:56	4165-60-0	
2-Fluorobiphenyl (S)	74	%	39-136	1	09/29/20 13:22	09/30/20 19:56	321-60-8	
Terphenyl-d14 (S)	76	%	29-131	1	09/29/20 13:22	09/30/20 19:56	1718-51-0	
Phenol-d6 (S)	68	%	43-95	1	09/29/20 13:22	09/30/20 19:56	13127-88-3	
2-Fluorophenol (S)	68	%	43-96	1	09/29/20 13:22	09/30/20 19:56	367-12-4	
2,4,6-Tribromophenol (S)	71	%	41-108	1	09/29/20 13:22	09/30/20 19:56	118-79-6	
8270 MSSV DRO/ORO								
Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Pace Analytical Services - Kansas City								
TPH-ORO	ND	mg/kg	17.2	1	09/30/20 14:55	10/05/20 13:52		
TPH-DRO	ND	mg/kg	17.2	1	09/30/20 14:55	10/05/20 13:52		
Surrogates								
Nitrobenzene-d5 (S)	90	%	33-132	1	09/30/20 14:55	10/05/20 13:52	4165-60-0	
2-Fluorobiphenyl (S)	96	%	39-136	1	09/30/20 14:55	10/05/20 13:52	321-60-8	
Terphenyl-d14 (S)	104	%	29-131	1	09/30/20 14:55	10/05/20 13:52	1718-51-0	
8260 MSV 5035A VOA								
Analytical Method: EPA 8260B Preparation Method: EPA 5035A/5030								
Pace Analytical Services - Kansas City								
Acetone	ND	ug/kg	14.3	1	09/25/20 15:41	09/25/20 20:03	67-64-1	
Benzene	ND	ug/kg	3.6	1	09/25/20 15:41	09/25/20 20:03	71-43-2	
Bromobenzene	ND	ug/kg	3.6	1	09/25/20 15:41	09/25/20 20:03	108-86-1	
Bromochloromethane	ND	ug/kg	3.6	1	09/25/20 15:41	09/25/20 20:03	74-97-5	
Bromodichloromethane	ND	ug/kg	3.6	1	09/25/20 15:41	09/25/20 20:03	75-27-4	
Bromoform	ND	ug/kg	3.6	1	09/25/20 15:41	09/25/20 20:03	75-25-2	
Bromomethane	ND	ug/kg	3.6	1	09/25/20 15:41	09/25/20 20:03	74-83-9	
2-Butanone (MEK)	ND	ug/kg	7.1	1	09/25/20 15:41	09/25/20 20:03	78-93-3	
n-Butylbenzene	ND	ug/kg	3.6	1	09/25/20 15:41	09/25/20 20:03	104-51-8	
sec-Butylbenzene	ND	ug/kg	3.6	1	09/25/20 15:41	09/25/20 20:03	135-98-8	
tert-Butylbenzene	ND	ug/kg	17.8	1	09/25/20 15:41	09/25/20 20:03	98-06-6	
Carbon disulfide	ND	ug/kg	3.6	1	09/25/20 15:41	09/25/20 20:03	75-15-0	
Carbon tetrachloride	ND	ug/kg	3.6	1	09/25/20 15:41	09/25/20 20:03	56-23-5	
Chlorobenzene	ND	ug/kg	3.6	1	09/25/20 15:41	09/25/20 20:03	108-90-7	
Chloroethane	ND	ug/kg	3.6	1	09/25/20 15:41	09/25/20 20:03	75-00-3	
Chloroform	ND	ug/kg	3.6	1	09/25/20 15:41	09/25/20 20:03	67-66-3	
Chloromethane	ND	ug/kg	3.6	1	09/25/20 15:41	09/25/20 20:03	74-87-3	
2-Chlorotoluene	ND	ug/kg	3.6	1	09/25/20 15:41	09/25/20 20:03	95-49-8	
4-Chlorotoluene	ND	ug/kg	3.6	1	09/25/20 15:41	09/25/20 20:03	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/kg	7.1	1	09/25/20 15:41	09/25/20 20:03	96-12-8	
Dibromochloromethane	ND	ug/kg	3.6	1	09/25/20 15:41	09/25/20 20:03	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	3.6	1	09/25/20 15:41	09/25/20 20:03	106-93-4	
Dibromomethane	ND	ug/kg	3.6	1	09/25/20 15:41	09/25/20 20:03	74-95-3	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: PINE LAWN

Pace Project No.: 60349310

Sample: DPT-16-SO-(29-30) **Lab ID: 60349310002** Collected: 09/23/20 11:49 Received: 09/24/20 04:44 Matrix: Solid

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

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
8260 MSV 5035A VOA	Analytical Method: EPA 8260B Preparation Method: EPA 5035A/5030 Pace Analytical Services - Kansas City								
1,2-Dichlorobenzene	ND	ug/kg	3.6	1	09/25/20 15:41	09/25/20 20:03	95-50-1	SS	
1,3-Dichlorobenzene	ND	ug/kg	3.6	1	09/25/20 15:41	09/25/20 20:03	541-73-1		
1,4-Dichlorobenzene	ND	ug/kg	3.6	1	09/25/20 15:41	09/25/20 20:03	106-46-7		
Dichlorodifluoromethane	ND	ug/kg	3.6	1	09/25/20 15:41	09/25/20 20:03	75-71-8		
1,1-Dichloroethane	ND	ug/kg	3.6	1	09/25/20 15:41	09/25/20 20:03	75-34-3		
1,2-Dichloroethane	ND	ug/kg	3.6	1	09/25/20 15:41	09/25/20 20:03	107-06-2		
1,2-Dichloroethene (Total)	ND	ug/kg	3.6	1	09/25/20 15:41	09/25/20 20:03	540-59-0		
1,1-Dichloroethene	ND	ug/kg	3.6	1	09/25/20 15:41	09/25/20 20:03	75-35-4		
cis-1,2-Dichloroethene	ND	ug/kg	3.6	1	09/25/20 15:41	09/25/20 20:03	156-59-2		
trans-1,2-Dichloroethene	ND	ug/kg	3.6	1	09/25/20 15:41	09/25/20 20:03	156-60-5		
1,2-Dichloropropane	ND	ug/kg	3.6	1	09/25/20 15:41	09/25/20 20:03	78-87-5		
1,3-Dichloropropane	ND	ug/kg	3.6	1	09/25/20 15:41	09/25/20 20:03	142-28-9		
2,2-Dichloropropane	ND	ug/kg	3.6	1	09/25/20 15:41	09/25/20 20:03	594-20-7		
1,1-Dichloropropene	ND	ug/kg	3.6	1	09/25/20 15:41	09/25/20 20:03	563-58-6		
cis-1,3-Dichloropropene	ND	ug/kg	3.6	1	09/25/20 15:41	09/25/20 20:03	10061-01-5		
trans-1,3-Dichloropropene	ND	ug/kg	3.6	1	09/25/20 15:41	09/25/20 20:03	10061-02-6		
Ethylbenzene	ND	ug/kg	3.6	1	09/25/20 15:41	09/25/20 20:03	100-41-4		
Hexachloro-1,3-butadiene	ND	ug/kg	3.6	1	09/25/20 15:41	09/25/20 20:03	87-68-3		
2-Hexanone	ND	ug/kg	14.3	1	09/25/20 15:41	09/25/20 20:03	591-78-6		
Isopropylbenzene (Cumene)	ND	ug/kg	3.6	1	09/25/20 15:41	09/25/20 20:03	98-82-8		
p-Isopropyltoluene	ND	ug/kg	3.6	1	09/25/20 15:41	09/25/20 20:03	99-87-6		
Methylene Chloride	ND	ug/kg	3.6	1	09/25/20 15:41	09/25/20 20:03	75-09-2		
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	7.1	1	09/25/20 15:41	09/25/20 20:03	108-10-1		
Methyl-tert-butyl ether	ND	ug/kg	3.6	1	09/25/20 15:41	09/25/20 20:03	1634-04-4		
Naphthalene	ND	ug/kg	7.1	1	09/25/20 15:41	09/25/20 20:03	91-20-3		
n-Propylbenzene	ND	ug/kg	3.6	1	09/25/20 15:41	09/25/20 20:03	103-65-1		
Styrene	ND	ug/kg	3.6	1	09/25/20 15:41	09/25/20 20:03	100-42-5		
1,1,1,2-Tetrachloroethane	ND	ug/kg	3.6	1	09/25/20 15:41	09/25/20 20:03	630-20-6		
1,1,2,2-Tetrachloroethane	ND	ug/kg	3.6	1	09/25/20 15:41	09/25/20 20:03	79-34-5		
Tetrachloroethene	ND	ug/kg	3.6	1	09/25/20 15:41	09/25/20 20:03	127-18-4		
Toluene	ND	ug/kg	3.6	1	09/25/20 15:41	09/25/20 20:03	108-88-3		
1,2,3-Trichlorobenzene	ND	ug/kg	3.6	1	09/25/20 15:41	09/25/20 20:03	87-61-6		
1,2,4-Trichlorobenzene	ND	ug/kg	3.6	1	09/25/20 15:41	09/25/20 20:03	120-82-1		
1,1,1-Trichloroethane	ND	ug/kg	3.6	1	09/25/20 15:41	09/25/20 20:03	71-55-6		
1,1,2-Trichloroethane	ND	ug/kg	3.6	1	09/25/20 15:41	09/25/20 20:03	79-00-5		
Trichloroethene	ND	ug/kg	3.6	1	09/25/20 15:41	09/25/20 20:03	79-01-6		
Trichlorofluoromethane	ND	ug/kg	3.6	1	09/25/20 15:41	09/25/20 20:03	75-69-4		
1,2,3-Trichloropropane	ND	ug/kg	3.6	1	09/25/20 15:41	09/25/20 20:03	96-18-4		
1,2,4-Trimethylbenzene	ND	ug/kg	3.6	1	09/25/20 15:41	09/25/20 20:03	95-63-6		
1,3,5-Trimethylbenzene	ND	ug/kg	3.6	1	09/25/20 15:41	09/25/20 20:03	108-67-8		
Vinyl chloride	ND	ug/kg	3.6	1	09/25/20 15:41	09/25/20 20:03	75-01-4		
Xylene (Total)	ND	ug/kg	3.6	1	09/25/20 15:41	09/25/20 20:03	1330-20-7		
Surrogates									
Toluene-d8 (S)	99	%	80-120	1	09/25/20 15:41	09/25/20 20:03	2037-26-5		
4-Bromofluorobenzene (S)	97	%	85-115	1	09/25/20 15:41	09/25/20 20:03	460-00-4		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: PINE LAWN

Pace Project No.: 60349310

Sample: DPT-16-SO-(29-30) **Lab ID:** 60349310002 Collected: 09/23/20 11:49 Received: 09/24/20 04:44 Matrix: Solid

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

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035A VOA								
Analytical Method: EPA 8260B Preparation Method: EPA 5035A/5030								
Pace Analytical Services - Kansas City								
Surrogates								
1,2-Dichloroethane-d4 (S)	105	%	78-118	1	09/25/20 15:41	09/25/20 20:03	17060-07-0	
8260 MSV GRO and Oxygenates								
Analytical Method: EPA 8260 Preparation Method: EPA 5035								
Pace Analytical Services - Kansas City								
TPH-GRO	ND	mg/kg	0.36	1	09/25/20 15:41	09/25/20 20:03		
Surrogates								
Toluene-d8 (S)	99	%	78-122	1	09/25/20 15:41	09/25/20 20:03	2037-26-5	
4-Bromofluorobenzene (S)	97	%	69-133	1	09/25/20 15:41	09/25/20 20:03	460-00-4	
1,2-Dichloroethane-d4 (S)	105	%	80-123	1	09/25/20 15:41	09/25/20 20:03	17060-07-0	
Percent Moisture								
Analytical Method: ASTM D2974								
Pace Analytical Services - Kansas City								
Percent Moisture	14.2	%	0.50	1		09/25/20 11:09		

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ANALYTICAL RESULTS

Project: PINE LAWN

Pace Project No.: 60349310

Sample: DPT-11-GW-(25-30)		Lab ID: 60349310003		Collected: 09/23/20 12:15		Received: 09/24/20 04:44		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
8082 GCS PCB, LV									
Analytical Method: EPA 8082 Preparation Method: EPA 3510									
Pace Analytical Services - Kansas City									
PCB-1016 (Aroclor 1016)	ND	ug/L	1.0	1	10/02/20 13:17	10/05/20 09:29	12674-11-2		
PCB-1221 (Aroclor 1221)	ND	ug/L	1.0	1	10/02/20 13:17	10/05/20 09:29	11104-28-2		
PCB-1232 (Aroclor 1232)	ND	ug/L	1.0	1	10/02/20 13:17	10/05/20 09:29	11141-16-5		
PCB-1242 (Aroclor 1242)	ND	ug/L	1.0	1	10/02/20 13:17	10/05/20 09:29	53469-21-9		
PCB-1248 (Aroclor 1248)	ND	ug/L	1.0	1	10/02/20 13:17	10/05/20 09:29	12672-29-6		
PCB-1254 (Aroclor 1254)	ND	ug/L	1.0	1	10/02/20 13:17	10/05/20 09:29	11097-69-1		
PCB-1260 (Aroclor 1260)	ND	ug/L	1.0	1	10/02/20 13:17	10/05/20 09:29	11096-82-5		
Surrogates									
Decachlorobiphenyl (S)	73	%	30-136	1	10/02/20 13:17	10/05/20 09:29	2051-24-3		
6010 MET ICP									
Analytical Method: EPA 6010 Preparation Method: EPA 3010									
Pace Analytical Services - Kansas City									
Arsenic	59.2	ug/L	10.0	1	10/05/20 09:25	10/06/20 10:16	7440-38-2		
Barium	5340	ug/L	5.0	1	10/05/20 09:25	10/06/20 10:16	7440-39-3		
Cadmium	ND	ug/L	5.0	1	10/05/20 09:25	10/06/20 10:16	7440-43-9		
Chromium	286	ug/L	5.0	1	10/05/20 09:25	10/06/20 10:16	7440-47-3		
Lead	376	ug/L	10.0	1	10/05/20 09:25	10/06/20 10:16	7439-92-1		
Selenium	ND	ug/L	15.0	1	10/05/20 09:25	10/06/20 10:16	7782-49-2		
Silver	ND	ug/L	7.0	1	10/05/20 09:25	10/06/20 10:16	7440-22-4		
6010 MET ICP, Dissolved									
Analytical Method: EPA 6010 Preparation Method: EPA 3010									
Pace Analytical Services - Kansas City									
Arsenic, Dissolved	ND	ug/L	10.0	1	10/05/20 09:40	10/05/20 19:15	7440-38-2		
Barium, Dissolved	412	ug/L	5.0	1	10/05/20 09:40	10/05/20 19:15	7440-39-3		
Cadmium, Dissolved	ND	ug/L	5.0	1	10/05/20 09:40	10/05/20 19:15	7440-43-9		
Chromium, Dissolved	ND	ug/L	5.0	1	10/05/20 09:40	10/05/20 19:15	7440-47-3		
Lead, Dissolved	ND	ug/L	10.0	1	10/05/20 09:40	10/05/20 19:15	7439-92-1		
Selenium, Dissolved	ND	ug/L	15.0	1	10/05/20 09:40	10/05/20 19:15	7782-49-2		
Silver, Dissolved	ND	ug/L	7.0	1	10/05/20 09:40	10/05/20 19:15	7440-22-4		
7470 Mercury									
Analytical Method: EPA 7470 Preparation Method: EPA 7470									
Pace Analytical Services - Kansas City									
Mercury	1.0	ug/L	0.20	1	09/29/20 14:13	10/01/20 11:12	7439-97-6		
7470 Mercury, Dissolved									
Analytical Method: EPA 7470 Preparation Method: EPA 7470									
Pace Analytical Services - Kansas City									
Mercury, Dissolved	ND	ug/L	0.20	1	09/29/20 14:13	10/01/20 10:22	7439-97-6		
8270 MSSV DRO/ORO									
Analytical Method: EPA 8270 Preparation Method: EPA 3510C									
Pace Analytical Services - Kansas City									
TPH-ORO	1.8	mg/L	0.91	1	09/29/20 12:18	10/05/20 18:08			
TPH-DRO	14.3	mg/L	0.91	1	09/29/20 12:18	10/05/20 18:08			
Surrogates									
Nitrobenzene-d5 (S)	66	%	27-106	1	09/29/20 12:18	10/05/20 18:08	4165-60-0		
2-Fluorobiphenyl (S)	65	%	29-108	1	09/29/20 12:18	10/05/20 18:08	321-60-8		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: PINE LAWN

Pace Project No.: 60349310

Sample: DPT-11-GW-(25-30)		Lab ID: 60349310003		Collected: 09/23/20 12:15		Received: 09/24/20 04:44		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
8270 MSSV DRO/ORO									
Analytical Method: EPA 8270 Preparation Method: EPA 3510C									
Pace Analytical Services - Kansas City									
Surrogates									
Terphenyl-d14 (S)	70	%	34-129	1	09/29/20 12:18	10/05/20 18:08	1718-51-0		
8270 MSSV Semivolatile Organic									
Analytical Method: EPA 8270 Preparation Method: EPA 3510									
Pace Analytical Services - Kansas City									
Acenaphthene	ND	ug/L	9.5	1	09/28/20 22:11	09/30/20 13:31	83-32-9		
Acenaphthylene	ND	ug/L	9.5	1	09/28/20 22:11	09/30/20 13:31	208-96-8		
Anthracene	ND	ug/L	9.5	1	09/28/20 22:11	09/30/20 13:31	120-12-7		
Benzo(a)anthracene	ND	ug/L	9.5	1	09/28/20 22:11	09/30/20 13:31	56-55-3		
Benzo(a)pyrene	ND	ug/L	9.5	1	09/28/20 22:11	09/30/20 13:31	50-32-8		
Benzo(b)fluoranthene	ND	ug/L	9.5	1	09/28/20 22:11	09/30/20 13:31	205-99-2		
Benzo(g,h,i)perylene	ND	ug/L	9.5	1	09/28/20 22:11	09/30/20 13:31	191-24-2		
Benzo(k)fluoranthene	ND	ug/L	9.5	1	09/28/20 22:11	09/30/20 13:31	207-08-9		
Benzoic Acid	ND	ug/L	47.6	1	09/28/20 22:11	09/30/20 13:31	65-85-0		
Benzyl alcohol	ND	ug/L	19.0	1	09/28/20 22:11	09/30/20 13:31	100-51-6		
4-Bromophenylphenyl ether	ND	ug/L	9.5	1	09/28/20 22:11	09/30/20 13:31	101-55-3		
Butylbenzylphthalate	ND	ug/L	19.0	1	09/28/20 22:11	09/30/20 13:31	85-68-7		
Carbazole	ND	ug/L	9.5	1	09/28/20 22:11	09/30/20 13:31	86-74-8		
4-Chloro-3-methylphenol	ND	ug/L	19.0	1	09/28/20 22:11	09/30/20 13:31	59-50-7		
4-Chloroaniline	ND	ug/L	19.0	1	09/28/20 22:11	09/30/20 13:31	106-47-8		
bis(2-Chloroethoxy)methane	ND	ug/L	9.5	1	09/28/20 22:11	09/30/20 13:31	111-91-1		
bis(2-Chloroethyl) ether	ND	ug/L	9.5	1	09/28/20 22:11	09/30/20 13:31	111-44-4		
bis(2-Chloroisopropyl) ether	ND	ug/L	9.5	1	09/28/20 22:11	09/30/20 13:31	108-60-1		
2-Chloronaphthalene	ND	ug/L	9.5	1	09/28/20 22:11	09/30/20 13:31	91-58-7		
2-Chlorophenol	ND	ug/L	9.5	1	09/28/20 22:11	09/30/20 13:31	95-57-8		
4-Chlorophenylphenyl ether	ND	ug/L	9.5	1	09/28/20 22:11	09/30/20 13:31	7005-72-3		
Chrysene	ND	ug/L	9.5	1	09/28/20 22:11	09/30/20 13:31	218-01-9		
Dibenz(a,h)anthracene	ND	ug/L	9.5	1	09/28/20 22:11	09/30/20 13:31	53-70-3		
Dibenzofuran	ND	ug/L	9.5	1	09/28/20 22:11	09/30/20 13:31	132-64-9		
1,2-Dichlorobenzene	ND	ug/L	9.5	1	09/28/20 22:11	09/30/20 13:31	95-50-1		
1,3-Dichlorobenzene	ND	ug/L	9.5	1	09/28/20 22:11	09/30/20 13:31	541-73-1		
1,4-Dichlorobenzene	ND	ug/L	9.5	1	09/28/20 22:11	09/30/20 13:31	106-46-7		
3,3'-Dichlorobenzidine	ND	ug/L	19.0	1	09/28/20 22:11	09/30/20 13:31	91-94-1		
2,4-Dichlorophenol	ND	ug/L	9.5	1	09/28/20 22:11	09/30/20 13:31	120-83-2		
Diethylphthalate	ND	ug/L	9.5	1	09/28/20 22:11	09/30/20 13:31	84-66-2		
2,4-Dimethylphenol	12.7	ug/L	9.5	1	09/28/20 22:11	09/30/20 13:31	105-67-9		
Dimethylphthalate	ND	ug/L	9.5	1	09/28/20 22:11	09/30/20 13:31	131-11-3		
Di-n-butylphthalate	ND	ug/L	9.5	1	09/28/20 22:11	09/30/20 13:31	84-74-2		
4,6-Dinitro-2-methylphenol	ND	ug/L	47.6	1	09/28/20 22:11	09/30/20 13:31	534-52-1		
2,4-Dinitrophenol	ND	ug/L	47.6	1	09/28/20 22:11	09/30/20 13:31	51-28-5		
2,4-Dinitrotoluene	ND	ug/L	9.5	1	09/28/20 22:11	09/30/20 13:31	121-14-2		
2,6-Dinitrotoluene	ND	ug/L	9.5	1	09/28/20 22:11	09/30/20 13:31	606-20-2		
Di-n-octylphthalate	ND	ug/L	9.5	1	09/28/20 22:11	09/30/20 13:31	117-84-0		
bis(2-Ethylhexyl)phthalate	ND	ug/L	19.0	1	09/28/20 22:11	09/30/20 13:31	117-81-7		
Fluoranthene	ND	ug/L	9.5	1	09/28/20 22:11	09/30/20 13:31	206-44-0		
Fluorene	ND	ug/L	9.5	1	09/28/20 22:11	09/30/20 13:31	86-73-7		

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ANALYTICAL RESULTS

Project: PINE LAWN

Pace Project No.: 60349310

Sample: DPT-11-GW-(25-30)		Lab ID: 60349310003		Collected: 09/23/20 12:15		Received: 09/24/20 04:44		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
8270 MSSV Semivolatile Organic	Analytical Method: EPA 8270 Preparation Method: EPA 3510								
	Pace Analytical Services - Kansas City								
Hexachloro-1,3-butadiene	ND	ug/L	9.5	1	09/28/20 22:11	09/30/20 13:31	87-68-3		
Hexachlorobenzene	ND	ug/L	9.5	1	09/28/20 22:11	09/30/20 13:31	118-74-1		
Hexachlorocyclopentadiene	ND	ug/L	9.5	1	09/28/20 22:11	09/30/20 13:31	77-47-4		
Hexachloroethane	ND	ug/L	9.5	1	09/28/20 22:11	09/30/20 13:31	67-72-1		
Indeno(1,2,3-cd)pyrene	ND	ug/L	9.5	1	09/28/20 22:11	09/30/20 13:31	193-39-5		
Isophorone	ND	ug/L	9.5	1	09/28/20 22:11	09/30/20 13:31	78-59-1		
2-Methylnaphthalene	28.2	ug/L	9.5	1	09/28/20 22:11	09/30/20 13:31	91-57-6		
2-Methylphenol(o-Cresol)	ND	ug/L	9.5	1	09/28/20 22:11	09/30/20 13:31	95-48-7		
3&4-Methylphenol(m&p Cresol)	ND	ug/L	9.5	1	09/28/20 22:11	09/30/20 13:31	15831-10-4		
Naphthalene	119	ug/L	47.6	5	09/28/20 22:11	10/05/20 09:29	91-20-3		
2-Nitroaniline	ND	ug/L	47.6	1	09/28/20 22:11	09/30/20 13:31	88-74-4		
3-Nitroaniline	ND	ug/L	47.6	1	09/28/20 22:11	09/30/20 13:31	99-09-2		
4-Nitroaniline	ND	ug/L	47.6	1	09/28/20 22:11	09/30/20 13:31	100-01-6		
Nitrobenzene	ND	ug/L	9.5	1	09/28/20 22:11	09/30/20 13:31	98-95-3		
2-Nitrophenol	ND	ug/L	9.5	1	09/28/20 22:11	09/30/20 13:31	88-75-5		
4-Nitrophenol	ND	ug/L	47.6	1	09/28/20 22:11	09/30/20 13:31	100-02-7		
N-Nitroso-di-n-propylamine	ND	ug/L	9.5	1	09/28/20 22:11	09/30/20 13:31	621-64-7		
N-Nitrosodiphenylamine	ND	ug/L	9.5	1	09/28/20 22:11	09/30/20 13:31	86-30-6		
Pentachlorophenol	ND	ug/L	47.6	1	09/28/20 22:11	09/30/20 13:31	87-86-5		
Phenanthrene	ND	ug/L	9.5	1	09/28/20 22:11	09/30/20 13:31	85-01-8		
Phenol	ND	ug/L	9.5	1	09/28/20 22:11	09/30/20 13:31	108-95-2		
Pyrene	ND	ug/L	9.5	1	09/28/20 22:11	09/30/20 13:31	129-00-0		
Pyridine	ND	ug/L	9.5	1	09/28/20 22:11	09/30/20 13:31	110-86-1		
1,2,4-Trichlorobenzene	ND	ug/L	9.5	1	09/28/20 22:11	09/30/20 13:31	120-82-1		
2,4,5-Trichlorophenol	ND	ug/L	47.6	1	09/28/20 22:11	09/30/20 13:31	95-95-4		
2,4,6-Trichlorophenol	ND	ug/L	9.5	1	09/28/20 22:11	09/30/20 13:31	88-06-2		
Surrogates									
Nitrobenzene-d5 (S)	70	%	27-106	1	09/28/20 22:11	09/30/20 13:31	4165-60-0		
2-Fluorobiphenyl (S)	56	%	29-108	1	09/28/20 22:11	09/30/20 13:31	321-60-8		
Terphenyl-d14 (S)	83	%	34-129	1	09/28/20 22:11	09/30/20 13:31	1718-51-0		
Phenol-d6 (S)	30	%	10-44	1	09/28/20 22:11	09/30/20 13:31	13127-88-3		
2-Fluorophenol (S)	41	%	11-64	1	09/28/20 22:11	09/30/20 13:31	367-12-4		
2,4,6-Tribromophenol (S)	69	%	16-114	1	09/28/20 22:11	09/30/20 13:31	118-79-6		

8260 MSV

Analytical Method: EPA 5030B/8260
Pace Analytical Services - Kansas City

Acetone	14.3	ug/L	10.0	1	09/25/20 16:54	67-64-1
Benzene	ND	ug/L	1.0	1	09/25/20 16:54	71-43-2
Bromobenzene	ND	ug/L	1.0	1	09/25/20 16:54	108-86-1
Bromochloromethane	ND	ug/L	1.0	1	09/25/20 16:54	74-97-5
Bromodichloromethane	ND	ug/L	1.0	1	09/25/20 16:54	75-27-4
Bromoform	ND	ug/L	1.0	1	09/25/20 16:54	75-25-2
Bromomethane	ND	ug/L	5.0	1	09/25/20 16:54	74-83-9
2-Butanone (MEK)	ND	ug/L	10.0	1	09/25/20 16:54	78-93-3
n-Butylbenzene	22.9	ug/L	1.0	1	09/25/20 16:54	104-51-8
sec-Butylbenzene	15.0	ug/L	1.0	1	09/25/20 16:54	135-98-8

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ANALYTICAL RESULTS

Project: PINE LAWN

Pace Project No.: 60349310

Sample: DPT-11-GW-(25-30)		Lab ID: 60349310003	Collected: 09/23/20 12:15	Received: 09/24/20 04:44	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 5030B/8260 Pace Analytical Services - Kansas City						
tert-Butylbenzene	2.1	ug/L	1.0	1		09/25/20 16:54	98-06-6	
Carbon disulfide	ND	ug/L	5.0	1		09/25/20 16:54	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	1		09/25/20 16:54	56-23-5	
Chlorobenzene	ND	ug/L	1.0	1		09/25/20 16:54	108-90-7	
Chloroethane	ND	ug/L	1.0	1		09/25/20 16:54	75-00-3	
Chloroform	2.8	ug/L	1.0	1		09/25/20 16:54	67-66-3	
Chloromethane	ND	ug/L	1.0	1		09/25/20 16:54	74-87-3	
2-Chlorotoluene	ND	ug/L	1.0	1		09/25/20 16:54	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	1		09/25/20 16:54	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	2.5	1		09/25/20 16:54	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	1		09/25/20 16:54	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	1		09/25/20 16:54	106-93-4	
Dibromomethane	ND	ug/L	1.0	1		09/25/20 16:54	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	1		09/25/20 16:54	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	1		09/25/20 16:54	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	1		09/25/20 16:54	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	1		09/25/20 16:54	75-71-8	L2
1,1-Dichloroethane	ND	ug/L	1.0	1		09/25/20 16:54	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	1		09/25/20 16:54	107-06-2	
1,2-Dichloroethene (Total)	ND	ug/L	1.0	1		09/25/20 16:54	540-59-0	
1,1-Dichloroethene	ND	ug/L	1.0	1		09/25/20 16:54	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	1		09/25/20 16:54	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		09/25/20 16:54	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	1		09/25/20 16:54	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	1		09/25/20 16:54	142-28-9	
2,2-Dichloropropane	ND	ug/L	1.0	1		09/25/20 16:54	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	1		09/25/20 16:54	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	1.0	1		09/25/20 16:54	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	1		09/25/20 16:54	10061-02-6	
Ethylbenzene	2.9	ug/L	1.0	1		09/25/20 16:54	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	1.0	1		09/25/20 16:54	87-68-3	
2-Hexanone	ND	ug/L	10.0	1		09/25/20 16:54	591-78-6	
Isopropylbenzene (Cumene)	27.4	ug/L	1.0	1		09/25/20 16:54	98-82-8	
p-Isopropyltoluene	16.0	ug/L	1.0	1		09/25/20 16:54	99-87-6	
Methylene Chloride	ND	ug/L	1.0	1		09/25/20 16:54	75-09-2	
4-Methyl-2-pentanone (MIBK)	24.7	ug/L	10.0	1		09/25/20 16:54	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	1.0	1		09/25/20 16:54	1634-04-4	
Naphthalene	ND	ug/L	10.0	1		09/25/20 16:54	91-20-3	
n-Propylbenzene	52.6	ug/L	1.0	1		09/25/20 16:54	103-65-1	
Styrene	ND	ug/L	1.0	1		09/25/20 16:54	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	1		09/25/20 16:54	630-20-6	
1,1,2,2-Tetrachloroethane	2.0	ug/L	1.0	1		09/25/20 16:54	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	1		09/25/20 16:54	127-18-4	
Toluene	ND	ug/L	1.0	1		09/25/20 16:54	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	1		09/25/20 16:54	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	1		09/25/20 16:54	120-82-1	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: PINE LAWN

Pace Project No.: 60349310

Sample: DPT-11-GW-(25-30)		Lab ID: 60349310003		Collected: 09/23/20 12:15		Received: 09/24/20 04:44		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
8260 MSV	Analytical Method: EPA 5030B/8260								
	Pace Analytical Services - Kansas City								
	1,1,1-Trichloroethane	ND	ug/L	1.0	1	09/25/20 16:54	71-55-6		
	1,1,2-Trichloroethane	ND	ug/L	1.0	1	09/25/20 16:54	79-00-5		
	Trichloroethene	ND	ug/L	1.0	1	09/25/20 16:54	79-01-6		
	Trichlorofluoromethane	ND	ug/L	1.0	1	09/25/20 16:54	75-69-4		
	1,2,3-Trichloropropane	ND	ug/L	2.5	1	09/25/20 16:54	96-18-4		
	1,2,4-Trimethylbenzene	ND	ug/L	1.0	1	09/25/20 16:54	95-63-6		
	1,3,5-Trimethylbenzene	ND	ug/L	1.0	1	09/25/20 16:54	108-67-8		
	Vinyl chloride	ND	ug/L	1.0	1	09/25/20 16:54	75-01-4		
	Xylene (Total)	ND	ug/L	3.0	1	09/25/20 16:54	1330-20-7		
Surrogates									
4-Bromofluorobenzene (S)	139	%	80-120	1	09/25/20 16:54	460-00-4	S0		
1,2-Dichloroethane-d4 (S)	100	%	86-117	1	09/25/20 16:54	17060-07-0			
Toluene-d8 (S)	81	%	80-120	1	09/25/20 16:54	2037-26-5			
Preservation pH	1.0		0.10	1	09/25/20 16:54				
8260 MSV GRO and Oxygenates									
Analytical Method: EPA 8260									
Pace Analytical Services - Kansas City									
TPH-GRO	6280	ug/L	2500	5	09/30/20 16:54				
Surrogates									
Toluene-d8 (S)	106	%	80-120	5	09/30/20 16:54	2037-26-5			
4-Bromofluorobenzene (S)	95	%	80-120	5	09/30/20 16:54	460-00-4			
1,2-Dichloroethane-d4 (S)	83	%	86-117	5	09/30/20 16:54	17060-07-0	S2		
Preservation pH	1.0		0.10	5	09/30/20 16:54				

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ANALYTICAL RESULTS

Project: PINE LAWN

Pace Project No.: 60349310

Sample: DPT-11-GW-(25-30)-FD		Lab ID: 60349310004		Collected: 09/23/20 12:15		Received: 09/24/20 04:44		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
8082 GCS PCB, LV									
Analytical Method: EPA 8082 Preparation Method: EPA 3510									
Pace Analytical Services - Kansas City									
PCB-1016 (Aroclor 1016)	ND	ug/L	1.0	1	10/02/20 13:17	10/05/20 09:36	12674-11-2		
PCB-1221 (Aroclor 1221)	ND	ug/L	1.0	1	10/02/20 13:17	10/05/20 09:36	11104-28-2		
PCB-1232 (Aroclor 1232)	ND	ug/L	1.0	1	10/02/20 13:17	10/05/20 09:36	11141-16-5		
PCB-1242 (Aroclor 1242)	ND	ug/L	1.0	1	10/02/20 13:17	10/05/20 09:36	53469-21-9		
PCB-1248 (Aroclor 1248)	ND	ug/L	1.0	1	10/02/20 13:17	10/05/20 09:36	12672-29-6		
PCB-1254 (Aroclor 1254)	ND	ug/L	1.0	1	10/02/20 13:17	10/05/20 09:36	11097-69-1		
PCB-1260 (Aroclor 1260)	ND	ug/L	1.0	1	10/02/20 13:17	10/05/20 09:36	11096-82-5		
Surrogates									
Decachlorobiphenyl (S)	71	%	30-136	1	10/02/20 13:17	10/05/20 09:36	2051-24-3		
6010 MET ICP									
Analytical Method: EPA 6010 Preparation Method: EPA 3010									
Pace Analytical Services - Kansas City									
Arsenic	59.5	ug/L	10.0	1	10/05/20 09:25	10/06/20 10:18	7440-38-2		
Barium	5710	ug/L	5.0	1	10/05/20 09:25	10/06/20 10:18	7440-39-3		
Cadmium	ND	ug/L	5.0	1	10/05/20 09:25	10/06/20 10:18	7440-43-9		
Chromium	308	ug/L	5.0	1	10/05/20 09:25	10/06/20 10:18	7440-47-3		
Lead	314	ug/L	10.0	1	10/05/20 09:25	10/06/20 10:18	7439-92-1		
Selenium	ND	ug/L	15.0	1	10/05/20 09:25	10/06/20 10:18	7782-49-2		
Silver	ND	ug/L	7.0	1	10/05/20 09:25	10/06/20 10:18	7440-22-4		
6010 MET ICP, Dissolved									
Analytical Method: EPA 6010 Preparation Method: EPA 3010									
Pace Analytical Services - Kansas City									
Arsenic, Dissolved	ND	ug/L	10.0	1	10/05/20 09:40	10/05/20 19:17	7440-38-2		
Barium, Dissolved	402	ug/L	5.0	1	10/05/20 09:40	10/05/20 19:17	7440-39-3		
Cadmium, Dissolved	ND	ug/L	5.0	1	10/05/20 09:40	10/05/20 19:17	7440-43-9		
Chromium, Dissolved	ND	ug/L	5.0	1	10/05/20 09:40	10/05/20 19:17	7440-47-3		
Lead, Dissolved	ND	ug/L	10.0	1	10/05/20 09:40	10/05/20 19:17	7439-92-1		
Selenium, Dissolved	ND	ug/L	15.0	1	10/05/20 09:40	10/05/20 19:17	7782-49-2		
Silver, Dissolved	ND	ug/L	7.0	1	10/05/20 09:40	10/05/20 19:17	7440-22-4		
7470 Mercury									
Analytical Method: EPA 7470 Preparation Method: EPA 7470									
Pace Analytical Services - Kansas City									
Mercury	1.0	ug/L	0.20	1	09/29/20 14:13	10/01/20 11:15	7439-97-6		
7470 Mercury, Dissolved									
Analytical Method: EPA 7470 Preparation Method: EPA 7470									
Pace Analytical Services - Kansas City									
Mercury, Dissolved	ND	ug/L	0.20	1	09/29/20 14:13	10/01/20 10:24	7439-97-6		
8270 MSSV DRO/ORO									
Analytical Method: EPA 8270 Preparation Method: EPA 3510C									
Pace Analytical Services - Kansas City									
TPH-ORO	ND	mg/L	0.95	1	09/29/20 12:18	10/05/20 18:28			
TPH-DRO	5.0	mg/L	0.95	1	09/29/20 12:18	10/05/20 18:28			
Surrogates									
Nitrobenzene-d5 (S)	74	%	27-106	1	09/29/20 12:18	10/05/20 18:28	4165-60-0		
2-Fluorobiphenyl (S)	71	%	29-108	1	09/29/20 12:18	10/05/20 18:28	321-60-8		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: PINE LAWN

Pace Project No.: 60349310

Sample: DPT-11-GW-(25-30)-FD		Lab ID: 60349310004		Collected: 09/23/20 12:15		Received: 09/24/20 04:44		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
8270 MSSV DRO/ORO									
Analytical Method: EPA 8270 Preparation Method: EPA 3510C									
Pace Analytical Services - Kansas City									
Surrogates									
Terphenyl-d14 (S)	74	%	34-129	1	09/29/20 12:18	10/05/20 18:28	1718-51-0		
8270 MSSV Semivolatile Organic									
Analytical Method: EPA 8270 Preparation Method: EPA 3510									
Pace Analytical Services - Kansas City									
Acenaphthene	ND	ug/L	12.5	1	09/30/20 15:38	10/05/20 10:37	83-32-9		
Acenaphthylene	ND	ug/L	12.5	1	09/30/20 15:38	10/05/20 10:37	208-96-8		
Anthracene	ND	ug/L	12.5	1	09/30/20 15:38	10/05/20 10:37	120-12-7		
Benzo(a)anthracene	ND	ug/L	12.5	1	09/30/20 15:38	10/05/20 10:37	56-55-3		
Benzo(a)pyrene	ND	ug/L	12.5	1	09/30/20 15:38	10/05/20 10:37	50-32-8		
Benzo(b)fluoranthene	ND	ug/L	12.5	1	09/30/20 15:38	10/05/20 10:37	205-99-2		
Benzo(g,h,i)perylene	ND	ug/L	12.5	1	09/30/20 15:38	10/05/20 10:37	191-24-2		
Benzo(k)fluoranthene	ND	ug/L	12.5	1	09/30/20 15:38	10/05/20 10:37	207-08-9		
Benzoic Acid	ND	ug/L	62.5	1	09/30/20 15:38	10/05/20 10:37	65-85-0		
Benzyl alcohol	ND	ug/L	25.0	1	09/30/20 15:38	10/05/20 10:37	100-51-6		
4-Bromophenylphenyl ether	ND	ug/L	12.5	1	09/30/20 15:38	10/05/20 10:37	101-55-3		
Butylbenzylphthalate	ND	ug/L	25.0	1	09/30/20 15:38	10/05/20 10:37	85-68-7		
Carbazole	ND	ug/L	12.5	1	09/30/20 15:38	10/05/20 10:37	86-74-8		
4-Chloro-3-methylphenol	ND	ug/L	25.0	1	09/30/20 15:38	10/05/20 10:37	59-50-7		
4-Chloroaniline	ND	ug/L	25.0	1	09/30/20 15:38	10/05/20 10:37	106-47-8		
bis(2-Chloroethoxy)methane	ND	ug/L	12.5	1	09/30/20 15:38	10/05/20 10:37	111-91-1		
bis(2-Chloroethyl) ether	ND	ug/L	12.5	1	09/30/20 15:38	10/05/20 10:37	111-44-4		
bis(2-Chloroisopropyl) ether	ND	ug/L	12.5	1	09/30/20 15:38	10/05/20 10:37	108-60-1		
2-Chloronaphthalene	ND	ug/L	12.5	1	09/30/20 15:38	10/05/20 10:37	91-58-7		
2-Chlorophenol	ND	ug/L	12.5	1	09/30/20 15:38	10/05/20 10:37	95-57-8		
4-Chlorophenylphenyl ether	ND	ug/L	12.5	1	09/30/20 15:38	10/05/20 10:37	7005-72-3		
Chrysene	ND	ug/L	12.5	1	09/30/20 15:38	10/05/20 10:37	218-01-9		
Dibenz(a,h)anthracene	ND	ug/L	12.5	1	09/30/20 15:38	10/05/20 10:37	53-70-3		
Dibenzofuran	ND	ug/L	12.5	1	09/30/20 15:38	10/05/20 10:37	132-64-9		
1,2-Dichlorobenzene	ND	ug/L	12.5	1	09/30/20 15:38	10/05/20 10:37	95-50-1		
1,3-Dichlorobenzene	ND	ug/L	12.5	1	09/30/20 15:38	10/05/20 10:37	541-73-1		
1,4-Dichlorobenzene	ND	ug/L	12.5	1	09/30/20 15:38	10/05/20 10:37	106-46-7		
3,3'-Dichlorobenzidine	ND	ug/L	25.0	1	09/30/20 15:38	10/05/20 10:37	91-94-1		
2,4-Dichlorophenol	ND	ug/L	12.5	1	09/30/20 15:38	10/05/20 10:37	120-83-2		
Diethylphthalate	ND	ug/L	12.5	1	09/30/20 15:38	10/05/20 10:37	84-66-2		
2,4-Dimethylphenol	ND	ug/L	12.5	1	09/30/20 15:38	10/05/20 10:37	105-67-9		
Dimethylphthalate	ND	ug/L	12.5	1	09/30/20 15:38	10/05/20 10:37	131-11-3		
Di-n-butylphthalate	ND	ug/L	12.5	1	09/30/20 15:38	10/05/20 10:37	84-74-2		
4,6-Dinitro-2-methylphenol	ND	ug/L	62.5	1	09/30/20 15:38	10/05/20 10:37	534-52-1		
2,4-Dinitrophenol	ND	ug/L	62.5	1	09/30/20 15:38	10/05/20 10:37	51-28-5		
2,4-Dinitrotoluene	ND	ug/L	12.5	1	09/30/20 15:38	10/05/20 10:37	121-14-2		
2,6-Dinitrotoluene	ND	ug/L	12.5	1	09/30/20 15:38	10/05/20 10:37	606-20-2		
Di-n-octylphthalate	ND	ug/L	12.5	1	09/30/20 15:38	10/05/20 10:37	117-84-0		
bis(2-Ethylhexyl)phthalate	ND	ug/L	25.0	1	09/30/20 15:38	10/05/20 10:37	117-81-7		
Fluoranthene	ND	ug/L	12.5	1	09/30/20 15:38	10/05/20 10:37	206-44-0		
Fluorene	ND	ug/L	12.5	1	09/30/20 15:38	10/05/20 10:37	86-73-7		

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ANALYTICAL RESULTS

Project: PINE LAWN

Pace Project No.: 60349310

Sample: DPT-11-GW-(25-30)-FD		Lab ID: 60349310004		Collected: 09/23/20 12:15		Received: 09/24/20 04:44		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
8270 MSSV Semivolatile Organic									
Analytical Method: EPA 8270 Preparation Method: EPA 3510									
Pace Analytical Services - Kansas City									
Hexachloro-1,3-butadiene	ND	ug/L	12.5	1	09/30/20 15:38	10/05/20 10:37	87-68-3	L2	
Hexachlorobenzene	ND	ug/L	12.5	1	09/30/20 15:38	10/05/20 10:37	118-74-1		
Hexachlorocyclopentadiene	ND	ug/L	12.5	1	09/30/20 15:38	10/05/20 10:37	77-47-4		
Hexachloroethane	ND	ug/L	12.5	1	09/30/20 15:38	10/05/20 10:37	67-72-1		
Indeno(1,2,3-cd)pyrene	ND	ug/L	12.5	1	09/30/20 15:38	10/05/20 10:37	193-39-5		
Isophorone	ND	ug/L	12.5	1	09/30/20 15:38	10/05/20 10:37	78-59-1		
2-Methylnaphthalene	ND	ug/L	12.5	1	09/30/20 15:38	10/05/20 10:37	91-57-6		
2-Methylphenol(o-Cresol)	ND	ug/L	12.5	1	09/30/20 15:38	10/05/20 10:37	95-48-7		
3&4-Methylphenol(m&p Cresol)	ND	ug/L	12.5	1	09/30/20 15:38	10/05/20 10:37	15831-10-4		
Naphthalene	ND	ug/L	12.5	1	09/30/20 15:38	10/05/20 10:37	91-20-3		
2-Nitroaniline	ND	ug/L	62.5	1	09/30/20 15:38	10/05/20 10:37	88-74-4		
3-Nitroaniline	ND	ug/L	62.5	1	09/30/20 15:38	10/05/20 10:37	99-09-2		
4-Nitroaniline	ND	ug/L	62.5	1	09/30/20 15:38	10/05/20 10:37	100-01-6		
Nitrobenzene	ND	ug/L	12.5	1	09/30/20 15:38	10/05/20 10:37	98-95-3		
2-Nitrophenol	ND	ug/L	12.5	1	09/30/20 15:38	10/05/20 10:37	88-75-5		
4-Nitrophenol	ND	ug/L	62.5	1	09/30/20 15:38	10/05/20 10:37	100-02-7		
N-Nitroso-di-n-propylamine	ND	ug/L	12.5	1	09/30/20 15:38	10/05/20 10:37	621-64-7		
N-Nitrosodiphenylamine	ND	ug/L	12.5	1	09/30/20 15:38	10/05/20 10:37	86-30-6		
Pentachlorophenol	ND	ug/L	62.5	1	09/30/20 15:38	10/05/20 10:37	87-86-5		
Phenanthrene	ND	ug/L	12.5	1	09/30/20 15:38	10/05/20 10:37	85-01-8		
Phenol	ND	ug/L	12.5	1	09/30/20 15:38	10/05/20 10:37	108-95-2		
Pyrene	ND	ug/L	12.5	1	09/30/20 15:38	10/05/20 10:37	129-00-0		
Pyridine	ND	ug/L	12.5	1	09/30/20 15:38	10/05/20 10:37	110-86-1		
1,2,4-Trichlorobenzene	ND	ug/L	12.5	1	09/30/20 15:38	10/05/20 10:37	120-82-1		
2,4,5-Trichlorophenol	ND	ug/L	62.5	1	09/30/20 15:38	10/05/20 10:37	95-95-4		
2,4,6-Trichlorophenol	ND	ug/L	12.5	1	09/30/20 15:38	10/05/20 10:37	88-06-2		
Surrogates									
Nitrobenzene-d5 (S)	28	%	27-106	1	09/30/20 15:38	10/05/20 10:37	4165-60-0		
2-Fluorobiphenyl (S)	29	%	29-108	1	09/30/20 15:38	10/05/20 10:37	321-60-8		
Terphenyl-d14 (S)	61	%	34-129	1	09/30/20 15:38	10/05/20 10:37	1718-51-0		
Phenol-d6 (S)	24	%	10-44	1	09/30/20 15:38	10/05/20 10:37	13127-88-3		
2-Fluorophenol (S)	25	%	11-64	1	09/30/20 15:38	10/05/20 10:37	367-12-4		
2,4,6-Tribromophenol (S)	36	%	16-114	1	09/30/20 15:38	10/05/20 10:37	118-79-6		
8260 MSV									
Analytical Method: EPA 5030B/8260									
Pace Analytical Services - Kansas City									
Acetone	ND	ug/L	10.0	1		09/25/20 17:10	67-64-1		
Benzene	ND	ug/L	1.0	1		09/25/20 17:10	71-43-2		
Bromobenzene	ND	ug/L	1.0	1		09/25/20 17:10	108-86-1		
Bromochloromethane	ND	ug/L	1.0	1		09/25/20 17:10	74-97-5		
Bromodichloromethane	ND	ug/L	1.0	1		09/25/20 17:10	75-27-4		
Bromoform	ND	ug/L	1.0	1		09/25/20 17:10	75-25-2		
Bromomethane	ND	ug/L	5.0	1		09/25/20 17:10	74-83-9		
2-Butanone (MEK)	ND	ug/L	10.0	1		09/25/20 17:10	78-93-3		
n-Butylbenzene	22.5	ug/L	1.0	1		09/25/20 17:10	104-51-8		
sec-Butylbenzene	14.3	ug/L	1.0	1		09/25/20 17:10	135-98-8		

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ANALYTICAL RESULTS

Project: PINE LAWN

Pace Project No.: 60349310

Sample: DPT-11-GW-(25-30)-FD		Lab ID: 60349310004		Collected: 09/23/20 12:15		Received: 09/24/20 04:44		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
8260 MSV		Analytical Method: EPA 5030B/8260							
		Pace Analytical Services - Kansas City							
tert-Butylbenzene	1.9	ug/L	1.0	1		09/25/20 17:10	98-06-6	L2	
Carbon disulfide	ND	ug/L	5.0	1		09/25/20 17:10	75-15-0		
Carbon tetrachloride	ND	ug/L	1.0	1		09/25/20 17:10	56-23-5		
Chlorobenzene	ND	ug/L	1.0	1		09/25/20 17:10	108-90-7		
Chloroethane	ND	ug/L	1.0	1		09/25/20 17:10	75-00-3		
Chloroform	2.6	ug/L	1.0	1		09/25/20 17:10	67-66-3		
Chloromethane	ND	ug/L	1.0	1		09/25/20 17:10	74-87-3		
2-Chlorotoluene	ND	ug/L	1.0	1		09/25/20 17:10	95-49-8		
4-Chlorotoluene	ND	ug/L	1.0	1		09/25/20 17:10	106-43-4		
1,2-Dibromo-3-chloropropane	ND	ug/L	2.5	1		09/25/20 17:10	96-12-8		
Dibromochloromethane	ND	ug/L	1.0	1		09/25/20 17:10	124-48-1		
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	1		09/25/20 17:10	106-93-4		
Dibromomethane	ND	ug/L	1.0	1		09/25/20 17:10	74-95-3		
1,2-Dichlorobenzene	ND	ug/L	1.0	1		09/25/20 17:10	95-50-1		
1,3-Dichlorobenzene	ND	ug/L	1.0	1		09/25/20 17:10	541-73-1		
1,4-Dichlorobenzene	ND	ug/L	1.0	1		09/25/20 17:10	106-46-7		
Dichlorodifluoromethane	ND	ug/L	1.0	1		09/25/20 17:10	75-71-8		
1,1-Dichloroethane	ND	ug/L	1.0	1		09/25/20 17:10	75-34-3		
1,2-Dichloroethane	ND	ug/L	1.0	1		09/25/20 17:10	107-06-2		
1,2-Dichloroethene (Total)	ND	ug/L	1.0	1		09/25/20 17:10	540-59-0		
1,1-Dichloroethene	ND	ug/L	1.0	1		09/25/20 17:10	75-35-4		
cis-1,2-Dichloroethene	ND	ug/L	1.0	1		09/25/20 17:10	156-59-2		
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		09/25/20 17:10	156-60-5		
1,2-Dichloropropane	ND	ug/L	1.0	1		09/25/20 17:10	78-87-5		
1,3-Dichloropropane	ND	ug/L	1.0	1		09/25/20 17:10	142-28-9		
2,2-Dichloropropane	ND	ug/L	1.0	1		09/25/20 17:10	594-20-7		
1,1-Dichloropropene	ND	ug/L	1.0	1		09/25/20 17:10	563-58-6		
cis-1,3-Dichloropropene	ND	ug/L	1.0	1		09/25/20 17:10	10061-01-5		
trans-1,3-Dichloropropene	ND	ug/L	1.0	1		09/25/20 17:10	10061-02-6		
Ethylbenzene	3.2	ug/L	1.0	1		09/25/20 17:10	100-41-4		
Hexachloro-1,3-butadiene	ND	ug/L	1.0	1		09/25/20 17:10	87-68-3		
2-Hexanone	19.5	ug/L	10.0	1		09/25/20 17:10	591-78-6		
Isopropylbenzene (Cumene)	28.6	ug/L	1.0	1		09/25/20 17:10	98-82-8		
p-Isopropyltoluene	15.5	ug/L	1.0	1		09/25/20 17:10	99-87-6		
Methylene Chloride	2.8	ug/L	1.0	1		09/25/20 17:10	75-09-2		
4-Methyl-2-pentanone (MIBK)	ND	ug/L	10.0	1		09/25/20 17:10	108-10-1		
Methyl-tert-butyl ether	ND	ug/L	1.0	1		09/25/20 17:10	1634-04-4		
Naphthalene	ND	ug/L	10.0	1		09/25/20 17:10	91-20-3		
n-Propylbenzene	51.5	ug/L	1.0	1		09/25/20 17:10	103-65-1		
Styrene	ND	ug/L	1.0	1		09/25/20 17:10	100-42-5		
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	1		09/25/20 17:10	630-20-6		
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	1		09/25/20 17:10	79-34-5		
Tetrachloroethene	ND	ug/L	1.0	1		09/25/20 17:10	127-18-4		
Toluene	ND	ug/L	1.0	1		09/25/20 17:10	108-88-3		
1,2,3-Trichlorobenzene	ND	ug/L	1.0	1		09/25/20 17:10	87-61-6		
1,2,4-Trichlorobenzene	ND	ug/L	1.0	1		09/25/20 17:10	120-82-1		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: PINE LAWN

Pace Project No.: 60349310

Sample: DPT-11-GW-(25-30)-FD		Lab ID: 60349310004		Collected: 09/23/20 12:15		Received: 09/24/20 04:44		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
8260 MSV		Analytical Method: EPA 5030B/8260 Pace Analytical Services - Kansas City							
1,1,1-Trichloroethane	ND	ug/L	1.0	1		09/25/20 17:10	71-55-6		
1,1,2-Trichloroethane	2.6	ug/L	1.0	1		09/25/20 17:10	79-00-5		
Trichloroethene	ND	ug/L	1.0	1		09/25/20 17:10	79-01-6		
Trichlorofluoromethane	ND	ug/L	1.0	1		09/25/20 17:10	75-69-4		
1,2,3-Trichloropropane	ND	ug/L	2.5	1		09/25/20 17:10	96-18-4		
1,2,4-Trimethylbenzene	ND	ug/L	1.0	1		09/25/20 17:10	95-63-6		
1,3,5-Trimethylbenzene	ND	ug/L	1.0	1		09/25/20 17:10	108-67-8		
Vinyl chloride	ND	ug/L	1.0	1		09/25/20 17:10	75-01-4		
Xylene (Total)	ND	ug/L	3.0	1		09/25/20 17:10	1330-20-7		
Surrogates									
4-Bromofluorobenzene (S)	129	%	80-120	1		09/25/20 17:10	460-00-4	S0	
1,2-Dichloroethane-d4 (S)	103	%	86-117	1		09/25/20 17:10	17060-07-0		
Toluene-d8 (S)	88	%	80-120	1		09/25/20 17:10	2037-26-5		
Preservation pH	1.0		0.10	1		09/25/20 17:10			
8260 MSV GRO and Oxygenates		Analytical Method: EPA 8260 Pace Analytical Services - Kansas City							
TPH-GRO	4690	ug/L	2500	5		09/30/20 17:09			
Surrogates									
Toluene-d8 (S)	103	%	80-120	5		09/30/20 17:09	2037-26-5		
4-Bromofluorobenzene (S)	96	%	80-120	5		09/30/20 17:09	460-00-4		
1,2-Dichloroethane-d4 (S)	91	%	86-117	5		09/30/20 17:09	17060-07-0		
Preservation pH	1.0		0.10	5		09/30/20 17:09			

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: PINE LAWN

Pace Project No.: 60349310

Sample: PINE LAWN-FB3		Lab ID: 60349310005		Collected: 09/23/20 13:53		Received: 09/24/20 04:44		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
8082 GCS PCB, LV									
Analytical Method: EPA 8082 Preparation Method: EPA 3510									
Pace Analytical Services - Kansas City									
PCB-1016 (Aroclor 1016)	ND	ug/L	1.0	1	10/02/20 13:17	10/05/20 09:43	12674-11-2		
PCB-1221 (Aroclor 1221)	ND	ug/L	1.0	1	10/02/20 13:17	10/05/20 09:43	11104-28-2		
PCB-1232 (Aroclor 1232)	ND	ug/L	1.0	1	10/02/20 13:17	10/05/20 09:43	11141-16-5		
PCB-1242 (Aroclor 1242)	ND	ug/L	1.0	1	10/02/20 13:17	10/05/20 09:43	53469-21-9		
PCB-1248 (Aroclor 1248)	ND	ug/L	1.0	1	10/02/20 13:17	10/05/20 09:43	12672-29-6		
PCB-1254 (Aroclor 1254)	ND	ug/L	1.0	1	10/02/20 13:17	10/05/20 09:43	11097-69-1		
PCB-1260 (Aroclor 1260)	ND	ug/L	1.0	1	10/02/20 13:17	10/05/20 09:43	11096-82-5		
Surrogates									
Decachlorobiphenyl (S)	67	%	30-136	1	10/02/20 13:17	10/05/20 09:43	2051-24-3		
6010 MET ICP									
Analytical Method: EPA 6010 Preparation Method: EPA 3010									
Pace Analytical Services - Kansas City									
Arsenic	ND	ug/L	10.0	1	10/05/20 09:25	10/06/20 10:21	7440-38-2		
Barium	ND	ug/L	5.0	1	10/05/20 09:25	10/06/20 10:21	7440-39-3		
Cadmium	ND	ug/L	5.0	1	10/05/20 09:25	10/06/20 10:21	7440-43-9		
Chromium	ND	ug/L	5.0	1	10/05/20 09:25	10/06/20 10:21	7440-47-3		
Lead	ND	ug/L	10.0	1	10/05/20 09:25	10/06/20 10:21	7439-92-1		
Selenium	ND	ug/L	15.0	1	10/05/20 09:25	10/06/20 10:21	7782-49-2		
Silver	ND	ug/L	7.0	1	10/05/20 09:25	10/06/20 10:21	7440-22-4		
6010 MET ICP, Dissolved									
Analytical Method: EPA 6010 Preparation Method: EPA 3010									
Pace Analytical Services - Kansas City									
Arsenic, Dissolved	ND	ug/L	10.0	1	10/05/20 09:40	10/05/20 19:29	7440-38-2		
Barium, Dissolved	ND	ug/L	5.0	1	10/05/20 09:40	10/05/20 19:29	7440-39-3		
Cadmium, Dissolved	ND	ug/L	5.0	1	10/05/20 09:40	10/05/20 19:29	7440-43-9		
Chromium, Dissolved	ND	ug/L	5.0	1	10/05/20 09:40	10/05/20 19:29	7440-47-3		
Lead, Dissolved	ND	ug/L	10.0	1	10/05/20 09:40	10/05/20 19:29	7439-92-1		
Selenium, Dissolved	ND	ug/L	15.0	1	10/05/20 09:40	10/05/20 19:29	7782-49-2		
Silver, Dissolved	ND	ug/L	7.0	1	10/05/20 09:40	10/05/20 19:29	7440-22-4		
7470 Mercury									
Analytical Method: EPA 7470 Preparation Method: EPA 7470									
Pace Analytical Services - Kansas City									
Mercury	ND	ug/L	0.20	1	09/29/20 14:13	10/01/20 11:17	7439-97-6		
7470 Mercury, Dissolved									
Analytical Method: EPA 7470 Preparation Method: EPA 7470									
Pace Analytical Services - Kansas City									
Mercury, Dissolved	ND	ug/L	0.20	1	09/29/20 14:13	10/01/20 10:27	7439-97-6		
8270 MSSV DRO/ORO									
Analytical Method: EPA 8270 Preparation Method: EPA 3510C									
Pace Analytical Services - Kansas City									
TPH-ORO	ND	mg/L	0.95	1	09/29/20 12:18	10/05/20 18:47			
TPH-DRO	ND	mg/L	0.95	1	09/29/20 12:18	10/05/20 18:47			
Surrogates									
Nitrobenzene-d5 (S)	66	%	27-106	1	09/29/20 12:18	10/05/20 18:47	4165-60-0		
2-Fluorobiphenyl (S)	66	%	29-108	1	09/29/20 12:18	10/05/20 18:47	321-60-8		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: PINE LAWN

Pace Project No.: 60349310

Sample: PINE LAWN-FB3		Lab ID: 60349310005		Collected: 09/23/20 13:53		Received: 09/24/20 04:44		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
8270 MSSV DRO/ORO									
Analytical Method: EPA 8270 Preparation Method: EPA 3510C									
Pace Analytical Services - Kansas City									
Surrogates									
Terphenyl-d14 (S)	38	%	34-129	1	09/29/20 12:18	10/05/20 18:47	1718-51-0		
8270 MSSV Semivolatile Organic									
Analytical Method: EPA 8270 Preparation Method: EPA 3510									
Pace Analytical Services - Kansas City									
Acenaphthene	ND	ug/L	10.0	1	09/28/20 22:11	09/30/20 13:53	83-32-9		
Acenaphthylene	ND	ug/L	10.0	1	09/28/20 22:11	09/30/20 13:53	208-96-8		
Anthracene	ND	ug/L	10.0	1	09/28/20 22:11	09/30/20 13:53	120-12-7		
Benzo(a)anthracene	ND	ug/L	10.0	1	09/28/20 22:11	09/30/20 13:53	56-55-3		
Benzo(a)pyrene	ND	ug/L	10.0	1	09/28/20 22:11	09/30/20 13:53	50-32-8		
Benzo(b)fluoranthene	ND	ug/L	10.0	1	09/28/20 22:11	09/30/20 13:53	205-99-2		
Benzo(g,h,i)perylene	ND	ug/L	10.0	1	09/28/20 22:11	09/30/20 13:53	191-24-2		
Benzo(k)fluoranthene	ND	ug/L	10.0	1	09/28/20 22:11	09/30/20 13:53	207-08-9		
Benzoic Acid	ND	ug/L	50.0	1	09/28/20 22:11	09/30/20 13:53	65-85-0		
Benzyl alcohol	ND	ug/L	20.0	1	09/28/20 22:11	09/30/20 13:53	100-51-6		
4-Bromophenylphenyl ether	ND	ug/L	10.0	1	09/28/20 22:11	09/30/20 13:53	101-55-3		
Butylbenzylphthalate	ND	ug/L	20.0	1	09/28/20 22:11	09/30/20 13:53	85-68-7		
Carbazole	ND	ug/L	10.0	1	09/28/20 22:11	09/30/20 13:53	86-74-8		
4-Chloro-3-methylphenol	ND	ug/L	20.0	1	09/28/20 22:11	09/30/20 13:53	59-50-7		
4-Chloroaniline	ND	ug/L	20.0	1	09/28/20 22:11	09/30/20 13:53	106-47-8		
bis(2-Chloroethoxy)methane	ND	ug/L	10.0	1	09/28/20 22:11	09/30/20 13:53	111-91-1		
bis(2-Chloroethyl) ether	ND	ug/L	10.0	1	09/28/20 22:11	09/30/20 13:53	111-44-4		
bis(2-Chloroisopropyl) ether	ND	ug/L	10.0	1	09/28/20 22:11	09/30/20 13:53	108-60-1		
2-Chloronaphthalene	ND	ug/L	10.0	1	09/28/20 22:11	09/30/20 13:53	91-58-7		
2-Chlorophenol	ND	ug/L	10.0	1	09/28/20 22:11	09/30/20 13:53	95-57-8		
4-Chlorophenylphenyl ether	ND	ug/L	10.0	1	09/28/20 22:11	09/30/20 13:53	7005-72-3		
Chrysene	ND	ug/L	10.0	1	09/28/20 22:11	09/30/20 13:53	218-01-9		
Dibenz(a,h)anthracene	ND	ug/L	10.0	1	09/28/20 22:11	09/30/20 13:53	53-70-3		
Dibenzofuran	ND	ug/L	10.0	1	09/28/20 22:11	09/30/20 13:53	132-64-9		
1,2-Dichlorobenzene	ND	ug/L	10.0	1	09/28/20 22:11	09/30/20 13:53	95-50-1		
1,3-Dichlorobenzene	ND	ug/L	10.0	1	09/28/20 22:11	09/30/20 13:53	541-73-1		
1,4-Dichlorobenzene	ND	ug/L	10.0	1	09/28/20 22:11	09/30/20 13:53	106-46-7		
3,3'-Dichlorobenzidine	ND	ug/L	20.0	1	09/28/20 22:11	09/30/20 13:53	91-94-1		
2,4-Dichlorophenol	ND	ug/L	10.0	1	09/28/20 22:11	09/30/20 13:53	120-83-2		
Diethylphthalate	ND	ug/L	10.0	1	09/28/20 22:11	09/30/20 13:53	84-66-2		
2,4-Dimethylphenol	ND	ug/L	10.0	1	09/28/20 22:11	09/30/20 13:53	105-67-9		
Dimethylphthalate	ND	ug/L	10.0	1	09/28/20 22:11	09/30/20 13:53	131-11-3		
Di-n-butylphthalate	ND	ug/L	10.0	1	09/28/20 22:11	09/30/20 13:53	84-74-2		
4,6-Dinitro-2-methylphenol	ND	ug/L	50.0	1	09/28/20 22:11	09/30/20 13:53	534-52-1		
2,4-Dinitrophenol	ND	ug/L	50.0	1	09/28/20 22:11	09/30/20 13:53	51-28-5		
2,4-Dinitrotoluene	ND	ug/L	10.0	1	09/28/20 22:11	09/30/20 13:53	121-14-2		
2,6-Dinitrotoluene	ND	ug/L	10.0	1	09/28/20 22:11	09/30/20 13:53	606-20-2		
Di-n-octylphthalate	ND	ug/L	10.0	1	09/28/20 22:11	09/30/20 13:53	117-84-0		
bis(2-Ethylhexyl)phthalate	ND	ug/L	20.0	1	09/28/20 22:11	09/30/20 13:53	117-81-7		
Fluoranthene	ND	ug/L	10.0	1	09/28/20 22:11	09/30/20 13:53	206-44-0		
Fluorene	ND	ug/L	10.0	1	09/28/20 22:11	09/30/20 13:53	86-73-7		

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ANALYTICAL RESULTS

Project: PINE LAWN

Pace Project No.: 60349310

Sample: PINE LAWN-FB3		Lab ID: 60349310005		Collected: 09/23/20 13:53		Received: 09/24/20 04:44		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
8270 MSSV Semivolatile Organic	Analytical Method: EPA 8270 Preparation Method: EPA 3510								
	Pace Analytical Services - Kansas City								
Hexachloro-1,3-butadiene	ND	ug/L	10.0	1	09/28/20 22:11	09/30/20 13:53	87-68-3		
Hexachlorobenzene	ND	ug/L	10.0	1	09/28/20 22:11	09/30/20 13:53	118-74-1		
Hexachlorocyclopentadiene	ND	ug/L	10.0	1	09/28/20 22:11	09/30/20 13:53	77-47-4		
Hexachloroethane	ND	ug/L	10.0	1	09/28/20 22:11	09/30/20 13:53	67-72-1		
Indeno(1,2,3-cd)pyrene	ND	ug/L	10.0	1	09/28/20 22:11	09/30/20 13:53	193-39-5		
Isophorone	ND	ug/L	10.0	1	09/28/20 22:11	09/30/20 13:53	78-59-1		
2-Methylnaphthalene	ND	ug/L	10.0	1	09/28/20 22:11	09/30/20 13:53	91-57-6		
2-Methylphenol(o-Cresol)	ND	ug/L	10.0	1	09/28/20 22:11	09/30/20 13:53	95-48-7		
3&4-Methylphenol(m&p Cresol)	ND	ug/L	10.0	1	09/28/20 22:11	09/30/20 13:53	15831-10-4		
Naphthalene	ND	ug/L	10.0	1	09/28/20 22:11	09/30/20 13:53	91-20-3		
2-Nitroaniline	ND	ug/L	50.0	1	09/28/20 22:11	09/30/20 13:53	88-74-4		
3-Nitroaniline	ND	ug/L	50.0	1	09/28/20 22:11	09/30/20 13:53	99-09-2		
4-Nitroaniline	ND	ug/L	50.0	1	09/28/20 22:11	09/30/20 13:53	100-01-6		
Nitrobenzene	ND	ug/L	10.0	1	09/28/20 22:11	09/30/20 13:53	98-95-3		
2-Nitrophenol	ND	ug/L	10.0	1	09/28/20 22:11	09/30/20 13:53	88-75-5		
4-Nitrophenol	ND	ug/L	50.0	1	09/28/20 22:11	09/30/20 13:53	100-02-7		
N-Nitroso-di-n-propylamine	ND	ug/L	10.0	1	09/28/20 22:11	09/30/20 13:53	621-64-7		
N-Nitrosodiphenylamine	ND	ug/L	10.0	1	09/28/20 22:11	09/30/20 13:53	86-30-6		
Pentachlorophenol	ND	ug/L	50.0	1	09/28/20 22:11	09/30/20 13:53	87-86-5		
Phenanthrene	ND	ug/L	10.0	1	09/28/20 22:11	09/30/20 13:53	85-01-8		
Phenol	ND	ug/L	10.0	1	09/28/20 22:11	09/30/20 13:53	108-95-2		
Pyrene	ND	ug/L	10.0	1	09/28/20 22:11	09/30/20 13:53	129-00-0		
Pyridine	ND	ug/L	10.0	1	09/28/20 22:11	09/30/20 13:53	110-86-1		
1,2,4-Trichlorobenzene	ND	ug/L	10.0	1	09/28/20 22:11	09/30/20 13:53	120-82-1		
2,4,5-Trichlorophenol	ND	ug/L	50.0	1	09/28/20 22:11	09/30/20 13:53	95-95-4		
2,4,6-Trichlorophenol	ND	ug/L	10.0	1	09/28/20 22:11	09/30/20 13:53	88-06-2		
Surrogates									
Nitrobenzene-d5 (S)	65	%	27-106	1	09/28/20 22:11	09/30/20 13:53	4165-60-0		
2-Fluorobiphenyl (S)	57	%	29-108	1	09/28/20 22:11	09/30/20 13:53	321-60-8		
Terphenyl-d14 (S)	80	%	34-129	1	09/28/20 22:11	09/30/20 13:53	1718-51-0		
Phenol-d6 (S)	29	%	10-44	1	09/28/20 22:11	09/30/20 13:53	13127-88-3		
2-Fluorophenol (S)	42	%	11-64	1	09/28/20 22:11	09/30/20 13:53	367-12-4		
2,4,6-Tribromophenol (S)	69	%	16-114	1	09/28/20 22:11	09/30/20 13:53	118-79-6		
8260 MSV	Analytical Method: EPA 5030B/8260								
	Pace Analytical Services - Kansas City								
Acetone	ND	ug/L	10.0	1		09/25/20 12:55	67-64-1		
Benzene	ND	ug/L	1.0	1		09/25/20 12:55	71-43-2		
Bromobenzene	ND	ug/L	1.0	1		09/25/20 12:55	108-86-1		
Bromochloromethane	ND	ug/L	1.0	1		09/25/20 12:55	74-97-5		
Bromodichloromethane	ND	ug/L	1.0	1		09/25/20 12:55	75-27-4		
Bromoform	ND	ug/L	1.0	1		09/25/20 12:55	75-25-2		
Bromomethane	ND	ug/L	5.0	1		09/25/20 12:55	74-83-9		
2-Butanone (MEK)	ND	ug/L	10.0	1		09/25/20 12:55	78-93-3		
n-Butylbenzene	ND	ug/L	1.0	1		09/25/20 12:55	104-51-8		
sec-Butylbenzene	ND	ug/L	1.0	1		09/25/20 12:55	135-98-8		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: PINE LAWN

Pace Project No.: 60349310

Sample: PINE LAWN-FB3		Lab ID: 60349310005	Collected: 09/23/20 13:53	Received: 09/24/20 04:44	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 5030B/8260 Pace Analytical Services - Kansas City						
tert-Butylbenzene	ND	ug/L	1.0	1		09/25/20 12:55	98-06-6	
Carbon disulfide	ND	ug/L	5.0	1		09/25/20 12:55	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	1		09/25/20 12:55	56-23-5	
Chlorobenzene	ND	ug/L	1.0	1		09/25/20 12:55	108-90-7	
Chloroethane	ND	ug/L	1.0	1		09/25/20 12:55	75-00-3	
Chloroform	ND	ug/L	1.0	1		09/25/20 12:55	67-66-3	
Chloromethane	ND	ug/L	1.0	1		09/25/20 12:55	74-87-3	
2-Chlorotoluene	ND	ug/L	1.0	1		09/25/20 12:55	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	1		09/25/20 12:55	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	2.5	1		09/25/20 12:55	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	1		09/25/20 12:55	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	1		09/25/20 12:55	106-93-4	
Dibromomethane	ND	ug/L	1.0	1		09/25/20 12:55	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	1		09/25/20 12:55	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	1		09/25/20 12:55	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	1		09/25/20 12:55	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	1		09/25/20 12:55	75-71-8	L2
1,1-Dichloroethane	ND	ug/L	1.0	1		09/25/20 12:55	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	1		09/25/20 12:55	107-06-2	
1,2-Dichloroethene (Total)	ND	ug/L	1.0	1		09/25/20 12:55	540-59-0	
1,1-Dichloroethene	ND	ug/L	1.0	1		09/25/20 12:55	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	1		09/25/20 12:55	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		09/25/20 12:55	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	1		09/25/20 12:55	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	1		09/25/20 12:55	142-28-9	
2,2-Dichloropropane	ND	ug/L	1.0	1		09/25/20 12:55	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	1		09/25/20 12:55	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	1.0	1		09/25/20 12:55	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	1		09/25/20 12:55	10061-02-6	
Ethylbenzene	ND	ug/L	1.0	1		09/25/20 12:55	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	1.0	1		09/25/20 12:55	87-68-3	
2-Hexanone	ND	ug/L	10.0	1		09/25/20 12:55	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	1.0	1		09/25/20 12:55	98-82-8	
p-Isopropyltoluene	ND	ug/L	1.0	1		09/25/20 12:55	99-87-6	
Methylene Chloride	ND	ug/L	1.0	1		09/25/20 12:55	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	10.0	1		09/25/20 12:55	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	1.0	1		09/25/20 12:55	1634-04-4	
Naphthalene	ND	ug/L	10.0	1		09/25/20 12:55	91-20-3	
n-Propylbenzene	ND	ug/L	1.0	1		09/25/20 12:55	103-65-1	
Styrene	ND	ug/L	1.0	1		09/25/20 12:55	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	1		09/25/20 12:55	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	1		09/25/20 12:55	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	1		09/25/20 12:55	127-18-4	
Toluene	ND	ug/L	1.0	1		09/25/20 12:55	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	1		09/25/20 12:55	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	1		09/25/20 12:55	120-82-1	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: PINE LAWN

Pace Project No.: 60349310

Sample: PINE LAWN-FB3		Lab ID: 60349310005		Collected: 09/23/20 13:53		Received: 09/24/20 04:44		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
8260 MSV		Analytical Method: EPA 5030B/8260 Pace Analytical Services - Kansas City							
1,1,1-Trichloroethane	ND	ug/L	1.0	1		09/25/20 12:55	71-55-6		
1,1,2-Trichloroethane	ND	ug/L	1.0	1		09/25/20 12:55	79-00-5		
Trichloroethene	ND	ug/L	1.0	1		09/25/20 12:55	79-01-6		
Trichlorofluoromethane	ND	ug/L	1.0	1		09/25/20 12:55	75-69-4		
1,2,3-Trichloropropane	ND	ug/L	2.5	1		09/25/20 12:55	96-18-4		
1,2,4-Trimethylbenzene	ND	ug/L	1.0	1		09/25/20 12:55	95-63-6		
1,3,5-Trimethylbenzene	ND	ug/L	1.0	1		09/25/20 12:55	108-67-8		
Vinyl chloride	ND	ug/L	1.0	1		09/25/20 12:55	75-01-4		
Xylene (Total)	ND	ug/L	3.0	1		09/25/20 12:55	1330-20-7		
Surrogates									
4-Bromofluorobenzene (S)	99	%	80-120	1		09/25/20 12:55	460-00-4		
1,2-Dichloroethane-d4 (S)	102	%	86-117	1		09/25/20 12:55	17060-07-0		
Toluene-d8 (S)	96	%	80-120	1		09/25/20 12:55	2037-26-5		
Preservation pH	1.0		0.10	1		09/25/20 12:55			
8260 MSV GRO and Oxygenates		Analytical Method: EPA 8260 Pace Analytical Services - Kansas City							
TPH-GRO	ND	ug/L	500	1		09/25/20 12:55			
Surrogates									
Toluene-d8 (S)	96	%	80-120	1		09/25/20 12:55	2037-26-5		
4-Bromofluorobenzene (S)	99	%	80-120	1		09/25/20 12:55	460-00-4		
1,2-Dichloroethane-d4 (S)	102	%	86-117	1		09/25/20 12:55	17060-07-0		
Preservation pH	1.0		0.10	1		09/25/20 12:55			

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ANALYTICAL RESULTS

Project: PINE LAWN

Pace Project No.: 60349310

Sample: PINE LAWN-GW-TB6		Lab ID: 60349310006	Collected: 09/23/20 13:55	Received: 09/24/20 04:44	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 5030B/8260						
		Pace Analytical Services - Kansas City						
Acetone	ND	ug/L	10.0	1		09/25/20 12:23	67-64-1	
Benzene	ND	ug/L	1.0	1		09/25/20 12:23	71-43-2	
Bromobenzene	ND	ug/L	1.0	1		09/25/20 12:23	108-86-1	
Bromochloromethane	ND	ug/L	1.0	1		09/25/20 12:23	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	1		09/25/20 12:23	75-27-4	
Bromoform	ND	ug/L	1.0	1		09/25/20 12:23	75-25-2	
Bromomethane	ND	ug/L	5.0	1		09/25/20 12:23	74-83-9	
2-Butanone (MEK)	ND	ug/L	10.0	1		09/25/20 12:23	78-93-3	
n-Butylbenzene	ND	ug/L	1.0	1		09/25/20 12:23	104-51-8	
sec-Butylbenzene	ND	ug/L	1.0	1		09/25/20 12:23	135-98-8	
tert-Butylbenzene	ND	ug/L	1.0	1		09/25/20 12:23	98-06-6	
Carbon disulfide	ND	ug/L	5.0	1		09/25/20 12:23	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	1		09/25/20 12:23	56-23-5	
Chlorobenzene	ND	ug/L	1.0	1		09/25/20 12:23	108-90-7	
Chloroethane	ND	ug/L	1.0	1		09/25/20 12:23	75-00-3	
Chloroform	ND	ug/L	1.0	1		09/25/20 12:23	67-66-3	
Chloromethane	ND	ug/L	1.0	1		09/25/20 12:23	74-87-3	
2-Chlorotoluene	ND	ug/L	1.0	1		09/25/20 12:23	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	1		09/25/20 12:23	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	2.5	1		09/25/20 12:23	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	1		09/25/20 12:23	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	1		09/25/20 12:23	106-93-4	
Dibromomethane	ND	ug/L	1.0	1		09/25/20 12:23	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	1		09/25/20 12:23	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	1		09/25/20 12:23	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	1		09/25/20 12:23	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	1		09/25/20 12:23	75-71-8	L2
1,1-Dichloroethane	ND	ug/L	1.0	1		09/25/20 12:23	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	1		09/25/20 12:23	107-06-2	
1,2-Dichloroethene (Total)	ND	ug/L	1.0	1		09/25/20 12:23	540-59-0	
1,1-Dichloroethene	ND	ug/L	1.0	1		09/25/20 12:23	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	1		09/25/20 12:23	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		09/25/20 12:23	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	1		09/25/20 12:23	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	1		09/25/20 12:23	142-28-9	
2,2-Dichloropropane	ND	ug/L	1.0	1		09/25/20 12:23	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	1		09/25/20 12:23	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	1.0	1		09/25/20 12:23	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	1		09/25/20 12:23	10061-02-6	
Ethylbenzene	ND	ug/L	1.0	1		09/25/20 12:23	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	1.0	1		09/25/20 12:23	87-68-3	
2-Hexanone	ND	ug/L	10.0	1		09/25/20 12:23	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	1.0	1		09/25/20 12:23	98-82-8	
p-Isopropyltoluene	ND	ug/L	1.0	1		09/25/20 12:23	99-87-6	
Methylene Chloride	ND	ug/L	1.0	1		09/25/20 12:23	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	10.0	1		09/25/20 12:23	108-10-1	

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ANALYTICAL RESULTS

Project: PINE LAWN

Pace Project No.: 60349310

Sample: PINE LAWN-GW-TB6		Lab ID: 60349310006		Collected: 09/23/20 13:55		Received: 09/24/20 04:44		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
8260 MSV		Analytical Method: EPA 5030B/8260 Pace Analytical Services - Kansas City							
Methyl-tert-butyl ether	ND	ug/L	1.0	1		09/25/20 12:23	1634-04-4		
Naphthalene	ND	ug/L	10.0	1		09/25/20 12:23	91-20-3		
n-Propylbenzene	ND	ug/L	1.0	1		09/25/20 12:23	103-65-1		
Styrene	ND	ug/L	1.0	1		09/25/20 12:23	100-42-5		
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	1		09/25/20 12:23	630-20-6		
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	1		09/25/20 12:23	79-34-5		
Tetrachloroethene	ND	ug/L	1.0	1		09/25/20 12:23	127-18-4		
Toluene	ND	ug/L	1.0	1		09/25/20 12:23	108-88-3		
1,2,3-Trichlorobenzene	ND	ug/L	1.0	1		09/25/20 12:23	87-61-6		
1,2,4-Trichlorobenzene	ND	ug/L	1.0	1		09/25/20 12:23	120-82-1		
1,1,1-Trichloroethane	ND	ug/L	1.0	1		09/25/20 12:23	71-55-6		
1,1,2-Trichloroethane	ND	ug/L	1.0	1		09/25/20 12:23	79-00-5		
Trichloroethene	ND	ug/L	1.0	1		09/25/20 12:23	79-01-6		
Trichlorofluoromethane	ND	ug/L	1.0	1		09/25/20 12:23	75-69-4		
1,2,3-Trichloropropane	ND	ug/L	2.5	1		09/25/20 12:23	96-18-4		
1,2,4-Trimethylbenzene	ND	ug/L	1.0	1		09/25/20 12:23	95-63-6		
1,3,5-Trimethylbenzene	ND	ug/L	1.0	1		09/25/20 12:23	108-67-8		
Vinyl chloride	ND	ug/L	1.0	1		09/25/20 12:23	75-01-4		
Xylene (Total)	ND	ug/L	3.0	1		09/25/20 12:23	1330-20-7		
Surrogates									
4-Bromofluorobenzene (S)	102	%	80-120	1		09/25/20 12:23	460-00-4		
1,2-Dichloroethane-d4 (S)	96	%	86-117	1		09/25/20 12:23	17060-07-0		
Toluene-d8 (S)	96	%	80-120	1		09/25/20 12:23	2037-26-5		
Preservation pH	1.0		0.10	1		09/25/20 12:23			

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: PINE LAWN

Pace Project No.: 60349310

Sample: DPT-17-SO-(3-5) **Lab ID:** 60349310007 **Collected:** 09/23/20 15:22 **Received:** 09/24/20 04:44 **Matrix:** Solid

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

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8082 GCS PCB SW								
Analytical Method: EPA 8082 Preparation Method: EPA 3546								
Pace Analytical Services - Kansas City								
PCB-1016 (Aroclor 1016)	ND	ug/kg	39.7	1	09/29/20 15:19	10/01/20 23:55	12674-11-2	
PCB-1221 (Aroclor 1221)	ND	ug/kg	39.7	1	09/29/20 15:19	10/01/20 23:55	11104-28-2	
PCB-1232 (Aroclor 1232)	ND	ug/kg	39.7	1	09/29/20 15:19	10/01/20 23:55	11141-16-5	
PCB-1242 (Aroclor 1242)	ND	ug/kg	39.7	1	09/29/20 15:19	10/01/20 23:55	53469-21-9	
PCB-1248 (Aroclor 1248)	ND	ug/kg	39.7	1	09/29/20 15:19	10/01/20 23:55	12672-29-6	
PCB-1254 (Aroclor 1254)	ND	ug/kg	39.7	1	09/29/20 15:19	10/01/20 23:55	11097-69-1	
PCB-1260 (Aroclor 1260)	ND	ug/kg	39.7	1	09/29/20 15:19	10/01/20 23:55	11096-82-5	
Surrogates								
Decachlorobiphenyl (S)	85	%	28-143	1	09/29/20 15:19	10/01/20 23:55	2051-24-3	
6010 MET ICP Red. Interference								
Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Pace Analytical Services - Kansas City								
Arsenic	5.5	mg/kg	0.95	1	10/02/20 10:03	10/05/20 20:31	7440-38-2	
Barium	130	mg/kg	0.48	1	10/02/20 10:03	10/05/20 20:31	7440-39-3	
Cadmium	ND	mg/kg	0.48	1	10/02/20 10:03	10/05/20 20:31	7440-43-9	
Chromium	15.7	mg/kg	0.48	1	10/02/20 10:03	10/05/20 20:31	7440-47-3	
Lead	36.3	mg/kg	0.95	1	10/02/20 10:03	10/05/20 20:31	7439-92-1	
Selenium	ND	mg/kg	1.4	1	10/02/20 10:03	10/05/20 20:31	7782-49-2	
Silver	0.73	mg/kg	0.67	1	10/02/20 10:03	10/05/20 20:31	7440-22-4	
7471 Mercury								
Analytical Method: EPA 7471 Preparation Method: EPA 7471								
Pace Analytical Services - Kansas City								
Mercury	ND	mg/kg	0.053	1	09/30/20 18:07	10/01/20 13:07	7439-97-6	
8270 MSSV Semivolatiles								
Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Pace Analytical Services - Kansas City								
Acenaphthene	ND	ug/kg	2040	1	09/29/20 13:22	09/30/20 20:18	83-32-9	
Acenaphthylene	ND	ug/kg	2040	1	09/29/20 13:22	09/30/20 20:18	208-96-8	
Anthracene	ND	ug/kg	2040	1	09/29/20 13:22	09/30/20 20:18	120-12-7	
Benzo(a)anthracene	ND	ug/kg	2040	1	09/29/20 13:22	09/30/20 20:18	56-55-3	
Benzo(a)pyrene	ND	ug/kg	2040	1	09/29/20 13:22	09/30/20 20:18	50-32-8	
Benzo(b)fluoranthene	ND	ug/kg	2040	1	09/29/20 13:22	09/30/20 20:18	205-99-2	
Benzo(g,h,i)perylene	ND	ug/kg	2040	1	09/29/20 13:22	09/30/20 20:18	191-24-2	
Benzo(k)fluoranthene	ND	ug/kg	2040	1	09/29/20 13:22	09/30/20 20:18	207-08-9	
Benzoic Acid	ND	ug/kg	10300	1	09/29/20 13:22	09/30/20 20:18	65-85-0	L1
Benzyl alcohol	ND	ug/kg	4090	1	09/29/20 13:22	09/30/20 20:18	100-51-6	
4-Bromophenylphenyl ether	ND	ug/kg	2040	1	09/29/20 13:22	09/30/20 20:18	101-55-3	
Butylbenzylphthalate	ND	ug/kg	2040	1	09/29/20 13:22	09/30/20 20:18	85-68-7	
Carbazole	ND	ug/kg	2040	1	09/29/20 13:22	09/30/20 20:18	86-74-8	
4-Chloro-3-methylphenol	ND	ug/kg	4090	1	09/29/20 13:22	09/30/20 20:18	59-50-7	
4-Chloroaniline	ND	ug/kg	4090	1	09/29/20 13:22	09/30/20 20:18	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/kg	2040	1	09/29/20 13:22	09/30/20 20:18	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/kg	2040	1	09/29/20 13:22	09/30/20 20:18	111-44-4	
bis(2-Chloroisopropyl) ether	ND	ug/kg	2040	1	09/29/20 13:22	09/30/20 20:18	108-60-1	
2-Chloronaphthalene	ND	ug/kg	2040	1	09/29/20 13:22	09/30/20 20:18	91-58-7	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: PINE LAWN

Pace Project No.: 60349310

Sample: DPT-17-SO-(3-5) **Lab ID: 60349310007** Collected: 09/23/20 15:22 Received: 09/24/20 04:44 Matrix: Solid

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

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Semivolatiles		Analytical Method: EPA 8270 Preparation Method: EPA 3546 Pace Analytical Services - Kansas City						
2-Chlorophenol	ND	ug/kg	2040	1	09/29/20 13:22	09/30/20 20:18	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/kg	2040	1	09/29/20 13:22	09/30/20 20:18	7005-72-3	
Chrysene	ND	ug/kg	2040	1	09/29/20 13:22	09/30/20 20:18	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	2040	1	09/29/20 13:22	09/30/20 20:18	53-70-3	
Dibenzofuran	ND	ug/kg	2040	1	09/29/20 13:22	09/30/20 20:18	132-64-9	
1,2-Dichlorobenzene	ND	ug/kg	2040	1	09/29/20 13:22	09/30/20 20:18	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	2040	1	09/29/20 13:22	09/30/20 20:18	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	2040	1	09/29/20 13:22	09/30/20 20:18	106-46-7	
3,3'-Dichlorobenzidine	ND	ug/kg	4090	1	09/29/20 13:22	09/30/20 20:18	91-94-1	
2,4-Dichlorophenol	ND	ug/kg	2040	1	09/29/20 13:22	09/30/20 20:18	120-83-2	
Diethylphthalate	ND	ug/kg	2040	1	09/29/20 13:22	09/30/20 20:18	84-66-2	
2,4-Dimethylphenol	ND	ug/kg	2040	1	09/29/20 13:22	09/30/20 20:18	105-67-9	
Dimethylphthalate	ND	ug/kg	2040	1	09/29/20 13:22	09/30/20 20:18	131-11-3	
Di-n-butylphthalate	ND	ug/kg	2040	1	09/29/20 13:22	09/30/20 20:18	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/kg	10300	1	09/29/20 13:22	09/30/20 20:18	534-52-1	
2,4-Dinitrophenol	ND	ug/kg	10300	1	09/29/20 13:22	09/30/20 20:18	51-28-5	
2,4-Dinitrotoluene	ND	ug/kg	2040	1	09/29/20 13:22	09/30/20 20:18	121-14-2	
2,6-Dinitrotoluene	ND	ug/kg	2040	1	09/29/20 13:22	09/30/20 20:18	606-20-2	
Di-n-octylphthalate	ND	ug/kg	2040	1	09/29/20 13:22	09/30/20 20:18	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/kg	2040	1	09/29/20 13:22	09/30/20 20:18	117-81-7	
Fluoranthene	ND	ug/kg	2040	1	09/29/20 13:22	09/30/20 20:18	206-44-0	
Fluorene	ND	ug/kg	2040	1	09/29/20 13:22	09/30/20 20:18	86-73-7	
Hexachloro-1,3-butadiene	ND	ug/kg	2040	1	09/29/20 13:22	09/30/20 20:18	87-68-3	
Hexachlorobenzene	ND	ug/kg	2040	1	09/29/20 13:22	09/30/20 20:18	118-74-1	
Hexachlorocyclopentadiene	ND	ug/kg	2040	1	09/29/20 13:22	09/30/20 20:18	77-47-4	
Hexachloroethane	ND	ug/kg	2040	1	09/29/20 13:22	09/30/20 20:18	67-72-1	
Indeno(1,2,3-cd)pyrene	ND	ug/kg	2040	1	09/29/20 13:22	09/30/20 20:18	193-39-5	
Isophorone	ND	ug/kg	2040	1	09/29/20 13:22	09/30/20 20:18	78-59-1	
2-Methylnaphthalene	ND	ug/kg	2040	1	09/29/20 13:22	09/30/20 20:18	91-57-6	
2-Methylphenol(o-Cresol)	ND	ug/kg	2040	1	09/29/20 13:22	09/30/20 20:18	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/kg	2040	1	09/29/20 13:22	09/30/20 20:18	15831-10-4	
Naphthalene	ND	ug/kg	2040	1	09/29/20 13:22	09/30/20 20:18	91-20-3	
2-Nitroaniline	ND	ug/kg	4090	1	09/29/20 13:22	09/30/20 20:18	88-74-4	
3-Nitroaniline	ND	ug/kg	4090	1	09/29/20 13:22	09/30/20 20:18	99-09-2	
4-Nitroaniline	ND	ug/kg	4090	1	09/29/20 13:22	09/30/20 20:18	100-01-6	
Nitrobenzene	ND	ug/kg	2040	1	09/29/20 13:22	09/30/20 20:18	98-95-3	
2-Nitrophenol	ND	ug/kg	2040	1	09/29/20 13:22	09/30/20 20:18	88-75-5	
4-Nitrophenol	ND	ug/kg	10300	1	09/29/20 13:22	09/30/20 20:18	100-02-7	
N-Nitroso-di-n-propylamine	ND	ug/kg	2040	1	09/29/20 13:22	09/30/20 20:18	621-64-7	
N-Nitrosodiphenylamine	ND	ug/kg	2040	1	09/29/20 13:22	09/30/20 20:18	86-30-6	
Pentachlorophenol	ND	ug/kg	10300	1	09/29/20 13:22	09/30/20 20:18	87-86-5	
Phenanthrene	ND	ug/kg	2040	1	09/29/20 13:22	09/30/20 20:18	85-01-8	
Phenol	ND	ug/kg	2040	1	09/29/20 13:22	09/30/20 20:18	108-95-2	
Pyrene	ND	ug/kg	2040	1	09/29/20 13:22	09/30/20 20:18	129-00-0	
Pyridine	ND	ug/kg	2040	1	09/29/20 13:22	09/30/20 20:18	110-86-1	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: PINE LAWN

Pace Project No.: 60349310

Sample: DPT-17-SO-(3-5) **Lab ID: 60349310007** Collected: 09/23/20 15:22 Received: 09/24/20 04:44 Matrix: Solid

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

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
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8270 MSSV Semivolatiles

Analytical Method: EPA 8270 Preparation Method: EPA 3546

Pace Analytical Services - Kansas City

1,2,4-Trichlorobenzene	ND	ug/kg	2040	1	09/29/20 13:22	09/30/20 20:18	120-82-1	
2,4,5-Trichlorophenol	ND	ug/kg	2040	1	09/29/20 13:22	09/30/20 20:18	95-95-4	
2,4,6-Trichlorophenol	ND	ug/kg	2040	1	09/29/20 13:22	09/30/20 20:18	88-06-2	
Surrogates								
Nitrobenzene-d5 (S)	83	%	33-132	1	09/29/20 13:22	09/30/20 20:18	4165-60-0	P3
2-Fluorobiphenyl (S)	82	%	39-136	1	09/29/20 13:22	09/30/20 20:18	321-60-8	
Terphenyl-d14 (S)	89	%	29-131	1	09/29/20 13:22	09/30/20 20:18	1718-51-0	
Phenol-d6 (S)	79	%	43-95	1	09/29/20 13:22	09/30/20 20:18	13127-88-3	
2-Fluorophenol (S)	78	%	43-96	1	09/29/20 13:22	09/30/20 20:18	367-12-4	
2,4,6-Tribromophenol (S)	66	%	41-108	1	09/29/20 13:22	09/30/20 20:18	118-79-6	

8270 MSSV DRO/ORO

Analytical Method: EPA 8270 Preparation Method: EPA 3546

Pace Analytical Services - Kansas City

TPH-ORO	122	mg/kg	91.8	5	09/30/20 14:55	10/05/20 14:11		
TPH-DRO	36.0J	mg/kg	91.8	5	09/30/20 14:55	10/05/20 14:11		
Surrogates								
Nitrobenzene-d5 (S)	58	%	33-132	5	09/30/20 14:55	10/05/20 14:11	4165-60-0	D3
2-Fluorobiphenyl (S)	65	%	39-136	5	09/30/20 14:55	10/05/20 14:11	321-60-8	
Terphenyl-d14 (S)	74	%	29-131	5	09/30/20 14:55	10/05/20 14:11	1718-51-0	

8260 MSV 5035A VOA

Analytical Method: EPA 8260B Preparation Method: EPA 5035A/5030

Pace Analytical Services - Kansas City

Acetone	44.2	ug/kg	14.5	1	09/29/20 12:34	09/29/20 14:53	67-64-1	
Benzene	ND	ug/kg	3.6	1	09/29/20 12:34	09/29/20 14:53	71-43-2	
Bromobenzene	ND	ug/kg	3.6	1	09/29/20 12:34	09/29/20 14:53	108-86-1	
Bromochloromethane	ND	ug/kg	3.6	1	09/29/20 12:34	09/29/20 14:53	74-97-5	
Bromodichloromethane	ND	ug/kg	3.6	1	09/29/20 12:34	09/29/20 14:53	75-27-4	
Bromoform	ND	ug/kg	3.6	1	09/29/20 12:34	09/29/20 14:53	75-25-2	
Bromomethane	ND	ug/kg	3.6	1	09/29/20 12:34	09/29/20 14:53	74-83-9	
2-Butanone (MEK)	ND	ug/kg	7.3	1	09/29/20 12:34	09/29/20 14:53	78-93-3	
n-Butylbenzene	ND	ug/kg	3.6	1	09/29/20 12:34	09/29/20 14:53	104-51-8	
sec-Butylbenzene	ND	ug/kg	3.6	1	09/29/20 12:34	09/29/20 14:53	135-98-8	
tert-Butylbenzene	ND	ug/kg	18.2	1	09/29/20 12:34	09/29/20 14:53	98-06-6	
Carbon disulfide	ND	ug/kg	3.6	1	09/29/20 12:34	09/29/20 14:53	75-15-0	
Carbon tetrachloride	ND	ug/kg	3.6	1	09/29/20 12:34	09/29/20 14:53	56-23-5	
Chlorobenzene	ND	ug/kg	3.6	1	09/29/20 12:34	09/29/20 14:53	108-90-7	
Chloroethane	ND	ug/kg	3.6	1	09/29/20 12:34	09/29/20 14:53	75-00-3	
Chloroform	ND	ug/kg	3.6	1	09/29/20 12:34	09/29/20 14:53	67-66-3	
Chloromethane	ND	ug/kg	3.6	1	09/29/20 12:34	09/29/20 14:53	74-87-3	
2-Chlorotoluene	ND	ug/kg	3.6	1	09/29/20 12:34	09/29/20 14:53	95-49-8	
4-Chlorotoluene	ND	ug/kg	3.6	1	09/29/20 12:34	09/29/20 14:53	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/kg	7.3	1	09/29/20 12:34	09/29/20 14:53	96-12-8	
Dibromochloromethane	ND	ug/kg	3.6	1	09/29/20 12:34	09/29/20 14:53	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	3.6	1	09/29/20 12:34	09/29/20 14:53	106-93-4	
Dibromomethane	ND	ug/kg	3.6	1	09/29/20 12:34	09/29/20 14:53	74-95-3	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: PINE LAWN

Pace Project No.: 60349310

Sample: DPT-17-SO-(3-5) Lab ID: 60349310007 Collected: 09/23/20 15:22 Received: 09/24/20 04:44 Matrix: Solid

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

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035A VOA		Analytical Method: EPA 8260B Preparation Method: EPA 5035A/5030 Pace Analytical Services - Kansas City						
1,2-Dichlorobenzene	ND	ug/kg	3.6	1	09/29/20 12:34	09/29/20 14:53	95-50-1	SS
1,3-Dichlorobenzene	ND	ug/kg	3.6	1	09/29/20 12:34	09/29/20 14:53	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	3.6	1	09/29/20 12:34	09/29/20 14:53	106-46-7	
Dichlorodifluoromethane	ND	ug/kg	3.6	1	09/29/20 12:34	09/29/20 14:53	75-71-8	
1,1-Dichloroethane	ND	ug/kg	3.6	1	09/29/20 12:34	09/29/20 14:53	75-34-3	
1,2-Dichloroethane	ND	ug/kg	3.6	1	09/29/20 12:34	09/29/20 14:53	107-06-2	
1,2-Dichloroethene (Total)	ND	ug/kg	3.6	1	09/29/20 12:34	09/29/20 14:53	540-59-0	
1,1-Dichloroethene	ND	ug/kg	3.6	1	09/29/20 12:34	09/29/20 14:53	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	3.6	1	09/29/20 12:34	09/29/20 14:53	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	3.6	1	09/29/20 12:34	09/29/20 14:53	156-60-5	
1,2-Dichloropropane	ND	ug/kg	3.6	1	09/29/20 12:34	09/29/20 14:53	78-87-5	
1,3-Dichloropropane	ND	ug/kg	3.6	1	09/29/20 12:34	09/29/20 14:53	142-28-9	
2,2-Dichloropropane	ND	ug/kg	3.6	1	09/29/20 12:34	09/29/20 14:53	594-20-7	
1,1-Dichloropropene	ND	ug/kg	3.6	1	09/29/20 12:34	09/29/20 14:53	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	3.6	1	09/29/20 12:34	09/29/20 14:53	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	3.6	1	09/29/20 12:34	09/29/20 14:53	10061-02-6	
Ethylbenzene	ND	ug/kg	3.6	1	09/29/20 12:34	09/29/20 14:53	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/kg	3.6	1	09/29/20 12:34	09/29/20 14:53	87-68-3	
2-Hexanone	ND	ug/kg	14.5	1	09/29/20 12:34	09/29/20 14:53	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/kg	3.6	1	09/29/20 12:34	09/29/20 14:53	98-82-8	
p-Isopropyltoluene	ND	ug/kg	3.6	1	09/29/20 12:34	09/29/20 14:53	99-87-6	
Methylene Chloride	ND	ug/kg	3.6	1	09/29/20 12:34	09/29/20 14:53	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	7.3	1	09/29/20 12:34	09/29/20 14:53	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	3.6	1	09/29/20 12:34	09/29/20 14:53	1634-04-4	
Naphthalene	ND	ug/kg	7.3	1	09/29/20 12:34	09/29/20 14:53	91-20-3	
n-Propylbenzene	ND	ug/kg	3.6	1	09/29/20 12:34	09/29/20 14:53	103-65-1	
Styrene	ND	ug/kg	3.6	1	09/29/20 12:34	09/29/20 14:53	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	3.6	1	09/29/20 12:34	09/29/20 14:53	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	3.6	1	09/29/20 12:34	09/29/20 14:53	79-34-5	
Tetrachloroethene	ND	ug/kg	3.6	1	09/29/20 12:34	09/29/20 14:53	127-18-4	
Toluene	ND	ug/kg	3.6	1	09/29/20 12:34	09/29/20 14:53	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	3.6	1	09/29/20 12:34	09/29/20 14:53	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	3.6	1	09/29/20 12:34	09/29/20 14:53	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	3.6	1	09/29/20 12:34	09/29/20 14:53	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	3.6	1	09/29/20 12:34	09/29/20 14:53	79-00-5	
Trichloroethene	ND	ug/kg	3.6	1	09/29/20 12:34	09/29/20 14:53	79-01-6	
Trichlorofluoromethane	ND	ug/kg	3.6	1	09/29/20 12:34	09/29/20 14:53	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	3.6	1	09/29/20 12:34	09/29/20 14:53	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/kg	3.6	1	09/29/20 12:34	09/29/20 14:53	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	3.6	1	09/29/20 12:34	09/29/20 14:53	108-67-8	
Vinyl chloride	ND	ug/kg	3.6	1	09/29/20 12:34	09/29/20 14:53	75-01-4	
Xylene (Total)	ND	ug/kg	3.6	1	09/29/20 12:34	09/29/20 14:53	1330-20-7	
Surrogates								
Toluene-d8 (S)	104	%	80-120	1	09/29/20 12:34	09/29/20 14:53	2037-26-5	
4-Bromofluorobenzene (S)	100	%	85-115	1	09/29/20 12:34	09/29/20 14:53	460-00-4	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: PINE LAWN

Pace Project No.: 60349310

Sample: DPT-17-SO-(3-5) **Lab ID:** 60349310007 Collected: 09/23/20 15:22 Received: 09/24/20 04:44 Matrix: Solid

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

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035A VOA								
Analytical Method: EPA 8260B Preparation Method: EPA 5035A/5030								
Pace Analytical Services - Kansas City								
Surrogates								
1,2-Dichloroethane-d4 (S)	100	%	78-118	1	09/29/20 12:34	09/29/20 14:53	17060-07-0	
8260 MSV GRO and Oxygenates								
Analytical Method: EPA 8260 Preparation Method: EPA 5035								
Pace Analytical Services - Kansas City								
TPH-GRO	0.95	mg/kg	0.36	1	09/29/20 12:58	09/29/20 14:53		
Surrogates								
Toluene-d8 (S)	104	%	78-122	1	09/29/20 12:58	09/29/20 14:53	2037-26-5	
4-Bromofluorobenzene (S)	100	%	69-133	1	09/29/20 12:58	09/29/20 14:53	460-00-4	
1,2-Dichloroethane-d4 (S)	100	%	80-123	1	09/29/20 12:58	09/29/20 14:53	17060-07-0	
Percent Moisture								
Analytical Method: ASTM D2974								
Pace Analytical Services - Kansas City								
Percent Moisture	19.3	%	0.50	1		09/25/20 11:09		

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: PINE LAWN

Pace Project No.: 60349310

QC Batch: 679620

Analysis Method: EPA 7470

QC Batch Method: EPA 7470

Analysis Description: 7470 Mercury

Laboratory:

Pace Analytical Services - Kansas City

Associated Lab Samples: 60349310003, 60349310004, 60349310005

METHOD BLANK: 2747878

Matrix: Water

Associated Lab Samples: 60349310003, 60349310004, 60349310005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury	ug/L	ND	0.20	10/01/20 10:47	

LABORATORY CONTROL SAMPLE: 2747879

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	5	5.0	100	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2747880 2747881

Parameter	Units	60349231003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	ug/L	ND	5	5	5.3	5.0	106	100	75-125	6	20	

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

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: PINE LAWN

Pace Project No.: 60349310

QC Batch: 679617

Analysis Method: EPA 7470

QC Batch Method: EPA 7470

Analysis Description: 7470 Mercury ,Dissolved

Laboratory:

Pace Analytical Services - Kansas City

Associated Lab Samples: 60349310003, 60349310004, 60349310005

METHOD BLANK: 2747874

Matrix: Water

Associated Lab Samples: 60349310003, 60349310004, 60349310005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury, Dissolved	ug/L	ND	0.20	10/01/20 09:57	

LABORATORY CONTROL SAMPLE: 2747875

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury, Dissolved	ug/L	5	5.2	105	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2747876 2747877

Parameter	Units	60349234004 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury, Dissolved	ug/L	ND	5	5	4.7	4.6	94	93	75-125	1	20	

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

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: PINE LAWN
Pace Project No.: 60349310

QC Batch:	679970	Analysis Method:	EPA 7471
QC Batch Method:	EPA 7471	Analysis Description:	7471 Mercury
		Laboratory:	Pace Analytical Services - Kansas City

Associated Lab Samples: 60349310001, 60349310002, 60349310007

METHOD BLANK: 2748882 Matrix: Solid
Associated Lab Samples: 60349310001, 60349310002, 60349310007

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury	mg/kg	ND	0.050	10/01/20 12:26	

LABORATORY CONTROL SAMPLE: 2748883

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	mg/kg	0.5	0.52	104	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2748884 2748885

Parameter	Units	60349230001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	mg/kg	ND	0.53	0.52	0.58	0.53	102	96	75-125	8	20	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: PINE LAWN
Pace Project No.: 60349310

QC Batch:	680402	Analysis Method:	EPA 6010
QC Batch Method:	EPA 3050	Analysis Description:	6010 MET
		Laboratory:	Pace Analytical Services - Kansas City

Associated Lab Samples: 60349310001, 60349310002, 60349310007

METHOD BLANK: 2750588 Matrix: Solid
Associated Lab Samples: 60349310001, 60349310002, 60349310007

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Arsenic	mg/kg	ND	1.0	10/05/20 20:10	
Barium	mg/kg	ND	0.50	10/05/20 20:10	
Cadmium	mg/kg	ND	0.50	10/05/20 20:10	
Chromium	mg/kg	ND	0.50	10/05/20 20:10	
Lead	mg/kg	ND	1.0	10/05/20 20:10	
Selenium	mg/kg	ND	1.5	10/05/20 20:10	
Silver	mg/kg	ND	0.70	10/05/20 20:10	

LABORATORY CONTROL SAMPLE: 2750589

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Arsenic	mg/kg	100	98.5	98	80-120	
Barium	mg/kg	100	104	104	80-120	
Cadmium	mg/kg	100	95.9	96	80-120	
Chromium	mg/kg	100	102	102	80-120	
Lead	mg/kg	100	106	106	80-120	
Selenium	mg/kg	100	91.8	92	80-120	
Silver	mg/kg	50	51.5	103	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2750590 2750591

Parameter	Units	60349310001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Arsenic	mg/kg	8.8	92.7	94.2	87.0	89.8	84	86	75-125	3	20	
Barium	mg/kg	515	92.7	94.2	658	1070	155	586	75-125	47	20	M1,R1
Cadmium	mg/kg	0.66	92.7	94.2	78.0	75.8	83	80	75-125	3	20	E
Chromium	mg/kg	35.6	92.7	94.2	130	141	102	112	75-125	8	20	E
Lead	mg/kg	20.1	92.7	94.2	103	108	90	93	75-125	4	20	E
Selenium	mg/kg	ND	92.7	94.2	73.7	70.6	80	75	75-125	4	20	E
Silver	mg/kg	ND	46.4	47.1	42.0	42.0	89	88	75-125	0	20	E

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: PINE LAWN
Pace Project No.: 60349310

QC Batch:	680575	Analysis Method:	EPA 6010
QC Batch Method:	EPA 3010	Analysis Description:	6010 MET
		Laboratory:	Pace Analytical Services - Kansas City

Associated Lab Samples: 60349310003, 60349310004, 60349310005

METHOD BLANK: 2751202 Matrix: Water
Associated Lab Samples: 60349310003, 60349310004, 60349310005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Arsenic	ug/L	ND	10.0	10/06/20 10:00	
Barium	ug/L	ND	5.0	10/06/20 10:00	
Cadmium	ug/L	ND	5.0	10/06/20 10:00	
Chromium	ug/L	ND	5.0	10/06/20 10:00	
Lead	ug/L	ND	10.0	10/06/20 10:00	
Selenium	ug/L	ND	15.0	10/06/20 10:00	
Silver	ug/L	ND	7.0	10/06/20 10:00	

LABORATORY CONTROL SAMPLE: 2751203

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Arsenic	ug/L	1000	946	95	80-120	
Barium	ug/L	1000	948	95	80-120	
Cadmium	ug/L	1000	952	95	80-120	
Chromium	ug/L	1000	969	97	80-120	
Lead	ug/L	1000	988	99	80-120	
Selenium	ug/L	1000	982	98	80-120	
Silver	ug/L	500	482	96	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2751204 2751205

Parameter	Units	60349310005 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Arsenic	ug/L	ND	1000	1000	915	861	92	86	75-125	6	20	
Barium	ug/L	ND	1000	1000	918	873	92	87	75-125	5	20	
Cadmium	ug/L	ND	1000	1000	918	869	92	87	75-125	5	20	
Chromium	ug/L	ND	1000	1000	935	897	94	90	75-125	4	20	
Lead	ug/L	ND	1000	1000	956	906	96	91	75-125	5	20	
Selenium	ug/L	ND	1000	1000	940	894	94	89	75-125	5	20	
Silver	ug/L	ND	500	500	465	443	93	89	75-125	5	20	

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QUALITY CONTROL DATA

Project: PINE LAWN
Pace Project No.: 60349310

QC Batch:	680725	Analysis Method:	EPA 6010
QC Batch Method:	EPA 3010	Analysis Description:	6010 MET Dissolved
		Laboratory:	Pace Analytical Services - Kansas City

Associated Lab Samples: 60349310003, 60349310004, 60349310005

METHOD BLANK: 2752144 Matrix: Water
Associated Lab Samples: 60349310003, 60349310004, 60349310005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Arsenic, Dissolved	ug/L	ND	10.0	10/05/20 18:42	
Barium, Dissolved	ug/L	ND	5.0	10/05/20 18:42	
Cadmium, Dissolved	ug/L	ND	5.0	10/05/20 18:42	
Chromium, Dissolved	ug/L	ND	5.0	10/05/20 18:42	
Lead, Dissolved	ug/L	ND	10.0	10/05/20 18:42	
Selenium, Dissolved	ug/L	ND	15.0	10/05/20 18:42	
Silver, Dissolved	ug/L	ND	7.0	10/05/20 18:42	

LABORATORY CONTROL SAMPLE: 2752145

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Arsenic, Dissolved	ug/L	1000	945	94	80-120	
Barium, Dissolved	ug/L	1000	954	95	80-120	
Cadmium, Dissolved	ug/L	1000	935	93	80-120	
Chromium, Dissolved	ug/L	1000	956	96	80-120	
Lead, Dissolved	ug/L	1000	992	99	80-120	
Selenium, Dissolved	ug/L	1000	935	94	80-120	
Silver, Dissolved	ug/L	500	494	99	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2752146 2752147

Parameter	Units	60349310004 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Arsenic, Dissolved	ug/L	ND	1000	1000	959	946	95	94	75-125	1	20	
Barium, Dissolved	ug/L	402	1000	1000	1340	1320	93	92	75-125	1	20	
Cadmium, Dissolved	ug/L	ND	1000	1000	917	902	92	90	75-125	2	20	
Chromium, Dissolved	ug/L	ND	1000	1000	936	928	93	93	75-125	1	20	
Lead, Dissolved	ug/L	ND	1000	1000	948	938	94	93	75-125	1	20	
Selenium, Dissolved	ug/L	ND	1000	1000	911	892	91	89	75-125	2	20	
Silver, Dissolved	ug/L	ND	500	500	492	488	98	97	75-125	1	20	

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QUALITY CONTROL DATA

Project: PINE LAWN

Pace Project No.: 60349310

QC Batch: 679108

Analysis Method: EPA 8260B

QC Batch Method: EPA 5035A/5030

Analysis Description: 8260 MSV 5035A Volatile Organics

Laboratory: Pace Analytical Services - Kansas City

Associated Lab Samples: 60349310001, 60349310002

METHOD BLANK: 2745774

Matrix: Solid

Associated Lab Samples: 60349310001, 60349310002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	ND	5.0	09/25/20 18:14	
1,1,1-Trichloroethane	ug/kg	ND	5.0	09/25/20 18:14	
1,1,2,2-Tetrachloroethane	ug/kg	ND	5.0	09/25/20 18:14	
1,1,2-Trichloroethane	ug/kg	ND	5.0	09/25/20 18:14	
1,1-Dichloroethane	ug/kg	ND	5.0	09/25/20 18:14	
1,1-Dichloroethene	ug/kg	ND	5.0	09/25/20 18:14	
1,1-Dichloropropene	ug/kg	ND	5.0	09/25/20 18:14	
1,2,3-Trichlorobenzene	ug/kg	ND	5.0	09/25/20 18:14	
1,2,3-Trichloropropane	ug/kg	ND	5.0	09/25/20 18:14	
1,2,4-Trichlorobenzene	ug/kg	ND	5.0	09/25/20 18:14	
1,2,4-Trimethylbenzene	ug/kg	ND	5.0	09/25/20 18:14	
1,2-Dibromo-3-chloropropane	ug/kg	ND	10.0	09/25/20 18:14	
1,2-Dibromoethane (EDB)	ug/kg	ND	5.0	09/25/20 18:14	
1,2-Dichlorobenzene	ug/kg	ND	5.0	09/25/20 18:14	
1,2-Dichloroethane	ug/kg	ND	5.0	09/25/20 18:14	
1,2-Dichloroethene (Total)	ug/kg	ND	5.0	09/25/20 18:14	
1,2-Dichloropropane	ug/kg	ND	5.0	09/25/20 18:14	
1,3,5-Trimethylbenzene	ug/kg	ND	5.0	09/25/20 18:14	
1,3-Dichlorobenzene	ug/kg	ND	5.0	09/25/20 18:14	
1,3-Dichloropropane	ug/kg	ND	5.0	09/25/20 18:14	
1,4-Dichlorobenzene	ug/kg	ND	5.0	09/25/20 18:14	
2,2-Dichloropropane	ug/kg	ND	5.0	09/25/20 18:14	
2-Butanone (MEK)	ug/kg	ND	10.0	09/25/20 18:14	
2-Chlorotoluene	ug/kg	ND	5.0	09/25/20 18:14	
2-Hexanone	ug/kg	ND	20.0	09/25/20 18:14	
4-Chlorotoluene	ug/kg	ND	5.0	09/25/20 18:14	
4-Methyl-2-pentanone (MIBK)	ug/kg	ND	10.0	09/25/20 18:14	
Acetone	ug/kg	ND	20.0	09/25/20 18:14	
Benzene	ug/kg	ND	5.0	09/25/20 18:14	
Bromobenzene	ug/kg	ND	5.0	09/25/20 18:14	
Bromochloromethane	ug/kg	ND	5.0	09/25/20 18:14	
Bromodichloromethane	ug/kg	ND	5.0	09/25/20 18:14	
Bromoform	ug/kg	ND	5.0	09/25/20 18:14	
Bromomethane	ug/kg	ND	5.0	09/25/20 18:14	
Carbon disulfide	ug/kg	ND	5.0	09/25/20 18:14	
Carbon tetrachloride	ug/kg	ND	5.0	09/25/20 18:14	
Chlorobenzene	ug/kg	ND	5.0	09/25/20 18:14	
Chloroethane	ug/kg	ND	5.0	09/25/20 18:14	
Chloroform	ug/kg	ND	5.0	09/25/20 18:14	
Chloromethane	ug/kg	ND	5.0	09/25/20 18:14	

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QUALITY CONTROL DATA

Project: PINE LAWN

Pace Project No.: 60349310

METHOD BLANK: 2745774

Matrix: Solid

Associated Lab Samples: 60349310001, 60349310002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
cis-1,2-Dichloroethene	ug/kg	ND	5.0	09/25/20 18:14	
cis-1,3-Dichloropropene	ug/kg	ND	5.0	09/25/20 18:14	
Dibromochloromethane	ug/kg	ND	5.0	09/25/20 18:14	
Dibromomethane	ug/kg	ND	5.0	09/25/20 18:14	
Dichlorodifluoromethane	ug/kg	ND	5.0	09/25/20 18:14	
Ethylbenzene	ug/kg	ND	5.0	09/25/20 18:14	
Hexachloro-1,3-butadiene	ug/kg	ND	5.0	09/25/20 18:14	
Isopropylbenzene (Cumene)	ug/kg	ND	5.0	09/25/20 18:14	
Methyl-tert-butyl ether	ug/kg	ND	5.0	09/25/20 18:14	
Methylene Chloride	ug/kg	ND	5.0	09/25/20 18:14	
n-Butylbenzene	ug/kg	ND	5.0	09/25/20 18:14	
n-Propylbenzene	ug/kg	ND	5.0	09/25/20 18:14	
Naphthalene	ug/kg	ND	10.0	09/25/20 18:14	
p-Isopropyltoluene	ug/kg	ND	5.0	09/25/20 18:14	
sec-Butylbenzene	ug/kg	ND	5.0	09/25/20 18:14	
Styrene	ug/kg	ND	5.0	09/25/20 18:14	
tert-Butylbenzene	ug/kg	ND	25.0	09/25/20 18:14	
Tetrachloroethene	ug/kg	ND	5.0	09/25/20 18:14	
Toluene	ug/kg	ND	5.0	09/25/20 18:14	
trans-1,2-Dichloroethene	ug/kg	ND	5.0	09/25/20 18:14	
trans-1,3-Dichloropropene	ug/kg	ND	5.0	09/25/20 18:14	
Trichloroethene	ug/kg	ND	5.0	09/25/20 18:14	
Trichlorofluoromethane	ug/kg	ND	5.0	09/25/20 18:14	
Vinyl chloride	ug/kg	ND	5.0	09/25/20 18:14	
Xylene (Total)	ug/kg	ND	5.0	09/25/20 18:14	
1,2-Dichloroethane-d4 (S)	%	94	78-118	09/25/20 18:14	
4-Bromofluorobenzene (S)	%	97	85-115	09/25/20 18:14	
Toluene-d8 (S)	%	103	80-120	09/25/20 18:14	

LABORATORY CONTROL SAMPLE: 2745775

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	100	101	101	84-125	
1,1,1-Trichloroethane	ug/kg	100	92.3	92	81-121	
1,1,2,2-Tetrachloroethane	ug/kg	100	93.9	94	76-121	
1,1,2-Trichloroethane	ug/kg	100	101	101	83-118	
1,1-Dichloroethane	ug/kg	100	84.2	84	74-120	
1,1-Dichloroethene	ug/kg	100	92.0	92	71-124	
1,1-Dichloropropene	ug/kg	100	82.2	82	73-123	
1,2,3-Trichlorobenzene	ug/kg	100	100	100	81-123	
1,2,3-Trichloropropane	ug/kg	100	96.1	96	81-116	
1,2,4-Trichlorobenzene	ug/kg	100	100	100	79-126	
1,2,4-Trimethylbenzene	ug/kg	100	94.5	94	79-121	
1,2-Dibromo-3-chloropropane	ug/kg	100	93.2	93	74-125	

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QUALITY CONTROL DATA

Project: PINE LAWN

Pace Project No.: 60349310

LABORATORY CONTROL SAMPLE: 2745775

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dibromoethane (EDB)	ug/kg	100	103	103	64-137	
1,2-Dichlorobenzene	ug/kg	100	99.2	99	83-119	
1,2-Dichloroethane	ug/kg	100	90.1	90	58-128	
1,2-Dichloroethene (Total)	ug/kg	200	194	97	82-117	
1,2-Dichloropropane	ug/kg	100	94.5	95	77-122	
1,3,5-Trimethylbenzene	ug/kg	100	95.4	95	81-122	
1,3-Dichlorobenzene	ug/kg	100	97.9	98	83-119	
1,3-Dichloropropane	ug/kg	100	100	100	83-118	
1,4-Dichlorobenzene	ug/kg	100	91.8	92	83-116	
2,2-Dichloropropane	ug/kg	100	89.0	89	76-124	
2-Butanone (MEK)	ug/kg	500	448	90	63-122	
2-Chlorotoluene	ug/kg	100	92.8	93	79-119	
2-Hexanone	ug/kg	500	463	93	68-122	
4-Chlorotoluene	ug/kg	100	94.6	95	84-119	
4-Methyl-2-pentanone (MIBK)	ug/kg	500	460	92	63-128	
Acetone	ug/kg	500	438	88	55-124	
Benzene	ug/kg	100	92.1	92	67-126	
Bromobenzene	ug/kg	100	98.1	98	85-117	
Bromochloromethane	ug/kg	100	104	104	78-122	
Bromodichloromethane	ug/kg	100	99.8	100	82-120	
Bromoform	ug/kg	100	110	110	77-133	
Bromomethane	ug/kg	100	75.0	75	20-168	
Carbon disulfide	ug/kg	100	104	104	60-133	
Carbon tetrachloride	ug/kg	100	99.1	99	79-128	
Chlorobenzene	ug/kg	100	98.0	98	84-118	
Chloroethane	ug/kg	100	80.3	80	53-139	
Chloroform	ug/kg	100	96.1	96	82-120	
Chloromethane	ug/kg	100	50.3	50	33-143	
cis-1,2-Dichloroethene	ug/kg	100	96.7	97	83-117	
cis-1,3-Dichloropropene	ug/kg	100	96.0	96	80-122	
Dibromochloromethane	ug/kg	100	110	110	82-128	
Dibromomethane	ug/kg	100	99.9	100	82-119	
Dichlorodifluoromethane	ug/kg	100	33.6	34	12-159	
Ethylbenzene	ug/kg	100	94.9	95	69-127	
Hexachloro-1,3-butadiene	ug/kg	100	99.6	100	77-133	
Isopropylbenzene (Cumene)	ug/kg	100	94.9	95	83-122	
Methyl-tert-butyl ether	ug/kg	100	94.7	95	58-137	
Methylene Chloride	ug/kg	100	91.3	91	68-125	
n-Butylbenzene	ug/kg	100	98.4	98	73-131	
n-Propylbenzene	ug/kg	100	94.1	94	82-122	
Naphthalene	ug/kg	100	104	104	60-136	
p-Isopropyltoluene	ug/kg	100	87.1	87	74-129	
sec-Butylbenzene	ug/kg	100	103	103	71-133	
Styrene	ug/kg	100	101	101	84-121	
tert-Butylbenzene	ug/kg	100	93.6	94	81-122	
Tetrachloroethene	ug/kg	100	102	102	78-130	
Toluene	ug/kg	100	95.2	95	80-118	

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QUALITY CONTROL DATA

Project: PINE LAWN

Pace Project No.: 60349310

LABORATORY CONTROL SAMPLE: 2745775

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
trans-1,2-Dichloroethene	ug/kg	100	97.2	97	78-118	
trans-1,3-Dichloropropene	ug/kg	100	103	103	81-123	
Trichloroethene	ug/kg	100	98.7	99	78-127	
Trichlorofluoromethane	ug/kg	100	92.5	93	64-133	
Vinyl chloride	ug/kg	100	64.4	64	45-139	
Xylene (Total)	ug/kg	300	286	95	69-130	
1,2-Dichloroethane-d4 (S)	%			96	78-118	
4-Bromofluorobenzene (S)	%			94	85-115	
Toluene-d8 (S)	%			102	80-120	

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QUALITY CONTROL DATA

Project: PINE LAWN

Pace Project No.: 60349310

QC Batch: 679569

Analysis Method: EPA 8260B

QC Batch Method: EPA 5035A/5030

Analysis Description: 8260 MSV 5035A Volatile Organics

Laboratory: Pace Analytical Services - Kansas City

Associated Lab Samples: 60349310007

METHOD BLANK: 2747687

Matrix: Solid

Associated Lab Samples: 60349310007

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	ND	5.0	09/29/20 10:10	
1,1,1-Trichloroethane	ug/kg	ND	5.0	09/29/20 10:10	
1,1,2,2-Tetrachloroethane	ug/kg	ND	5.0	09/29/20 10:10	
1,1,2-Trichloroethane	ug/kg	ND	5.0	09/29/20 10:10	
1,1-Dichloroethane	ug/kg	ND	5.0	09/29/20 10:10	
1,1-Dichloroethene	ug/kg	ND	5.0	09/29/20 10:10	
1,1-Dichloropropene	ug/kg	ND	5.0	09/29/20 10:10	
1,2,3-Trichlorobenzene	ug/kg	ND	5.0	09/29/20 10:10	
1,2,3-Trichloropropane	ug/kg	ND	5.0	09/29/20 10:10	
1,2,4-Trichlorobenzene	ug/kg	ND	5.0	09/29/20 10:10	
1,2,4-Trimethylbenzene	ug/kg	ND	5.0	09/29/20 10:10	
1,2-Dibromo-3-chloropropane	ug/kg	ND	10.0	09/29/20 10:10	
1,2-Dibromoethane (EDB)	ug/kg	ND	5.0	09/29/20 10:10	
1,2-Dichlorobenzene	ug/kg	ND	5.0	09/29/20 10:10	
1,2-Dichloroethane	ug/kg	ND	5.0	09/29/20 10:10	
1,2-Dichloroethene (Total)	ug/kg	ND	5.0	09/29/20 10:10	
1,2-Dichloropropane	ug/kg	ND	5.0	09/29/20 10:10	
1,3,5-Trimethylbenzene	ug/kg	ND	5.0	09/29/20 10:10	
1,3-Dichlorobenzene	ug/kg	ND	5.0	09/29/20 10:10	
1,3-Dichloropropane	ug/kg	ND	5.0	09/29/20 10:10	
1,4-Dichlorobenzene	ug/kg	ND	5.0	09/29/20 10:10	
2,2-Dichloropropane	ug/kg	ND	5.0	09/29/20 10:10	
2-Butanone (MEK)	ug/kg	ND	10.0	09/29/20 10:10	
2-Chlorotoluene	ug/kg	ND	5.0	09/29/20 10:10	
2-Hexanone	ug/kg	ND	20.0	09/29/20 10:10	
4-Chlorotoluene	ug/kg	ND	5.0	09/29/20 10:10	
4-Methyl-2-pentanone (MIBK)	ug/kg	ND	10.0	09/29/20 10:10	
Acetone	ug/kg	ND	20.0	09/29/20 10:10	
Benzene	ug/kg	ND	5.0	09/29/20 10:10	
Bromobenzene	ug/kg	ND	5.0	09/29/20 10:10	
Bromochloromethane	ug/kg	ND	5.0	09/29/20 10:10	
Bromodichloromethane	ug/kg	ND	5.0	09/29/20 10:10	
Bromoform	ug/kg	ND	5.0	09/29/20 10:10	
Bromomethane	ug/kg	ND	5.0	09/29/20 10:10	
Carbon disulfide	ug/kg	ND	5.0	09/29/20 10:10	
Carbon tetrachloride	ug/kg	ND	5.0	09/29/20 10:10	
Chlorobenzene	ug/kg	ND	5.0	09/29/20 10:10	
Chloroethane	ug/kg	ND	5.0	09/29/20 10:10	
Chloroform	ug/kg	ND	5.0	09/29/20 10:10	
Chloromethane	ug/kg	ND	5.0	09/29/20 10:10	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: PINE LAWN

Pace Project No.: 60349310

METHOD BLANK: 2747687

Matrix: Solid

Associated Lab Samples: 60349310007

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
cis-1,2-Dichloroethene	ug/kg	ND	5.0	09/29/20 10:10	
cis-1,3-Dichloropropene	ug/kg	ND	5.0	09/29/20 10:10	
Dibromochloromethane	ug/kg	ND	5.0	09/29/20 10:10	
Dibromomethane	ug/kg	ND	5.0	09/29/20 10:10	
Dichlorodifluoromethane	ug/kg	ND	5.0	09/29/20 10:10	
Ethylbenzene	ug/kg	ND	5.0	09/29/20 10:10	
Hexachloro-1,3-butadiene	ug/kg	ND	5.0	09/29/20 10:10	
Isopropylbenzene (Cumene)	ug/kg	ND	5.0	09/29/20 10:10	
Methyl-tert-butyl ether	ug/kg	ND	5.0	09/29/20 10:10	
Methylene Chloride	ug/kg	ND	5.0	09/29/20 10:10	
n-Butylbenzene	ug/kg	ND	5.0	09/29/20 10:10	
n-Propylbenzene	ug/kg	ND	5.0	09/29/20 10:10	
Naphthalene	ug/kg	ND	10.0	09/29/20 10:10	
p-Isopropyltoluene	ug/kg	ND	5.0	09/29/20 10:10	
sec-Butylbenzene	ug/kg	ND	5.0	09/29/20 10:10	
Styrene	ug/kg	ND	5.0	09/29/20 10:10	
tert-Butylbenzene	ug/kg	ND	25.0	09/29/20 10:10	
Tetrachloroethene	ug/kg	ND	5.0	09/29/20 10:10	
Toluene	ug/kg	ND	5.0	09/29/20 10:10	
trans-1,2-Dichloroethene	ug/kg	ND	5.0	09/29/20 10:10	
trans-1,3-Dichloropropene	ug/kg	ND	5.0	09/29/20 10:10	
Trichloroethene	ug/kg	ND	5.0	09/29/20 10:10	
Trichlorofluoromethane	ug/kg	ND	5.0	09/29/20 10:10	
Vinyl chloride	ug/kg	ND	5.0	09/29/20 10:10	
Xylene (Total)	ug/kg	ND	5.0	09/29/20 10:10	
1,2-Dichloroethane-d4 (S)	%	95	78-118	09/29/20 10:10	
4-Bromofluorobenzene (S)	%	97	85-115	09/29/20 10:10	
Toluene-d8 (S)	%	104	80-120	09/29/20 10:10	

LABORATORY CONTROL SAMPLE: 2747688

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	100	98.9	99	84-125	
1,1,1-Trichloroethane	ug/kg	100	95.8	96	81-121	
1,1,2,2-Tetrachloroethane	ug/kg	100	88.2	88	76-121	
1,1,2-Trichloroethane	ug/kg	100	96.5	96	83-118	
1,1-Dichloroethane	ug/kg	100	101	101	74-120	
1,1-Dichloroethene	ug/kg	100	94.2	94	71-124	
1,1-Dichloropropene	ug/kg	100	85.2	85	73-123	
1,2,3-Trichlorobenzene	ug/kg	100	98.2	98	81-123	
1,2,3-Trichloropropane	ug/kg	100	92.7	93	81-116	
1,2,4-Trichlorobenzene	ug/kg	100	98.6	99	79-126	
1,2,4-Trimethylbenzene	ug/kg	100	96.7	97	79-121	
1,2-Dibromo-3-chloropropane	ug/kg	100	88.9	89	74-125	

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QUALITY CONTROL DATA

Project: PINE LAWN

Pace Project No.: 60349310

LABORATORY CONTROL SAMPLE: 2747688

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dibromoethane (EDB)	ug/kg	100	97.6	98	64-137	
1,2-Dichlorobenzene	ug/kg	100	95.9	96	83-119	
1,2-Dichloroethane	ug/kg	100	86.8	87	58-128	
1,2-Dichloroethene (Total)	ug/kg	200	191	95	82-117	
1,2-Dichloropropane	ug/kg	100	91.5	91	77-122	
1,3,5-Trimethylbenzene	ug/kg	100	100	100	81-122	
1,3-Dichlorobenzene	ug/kg	100	97.6	98	83-119	
1,3-Dichloropropane	ug/kg	100	94.2	94	83-118	
1,4-Dichlorobenzene	ug/kg	100	91.1	91	83-116	
2,2-Dichloropropane	ug/kg	100	94.3	94	76-124	
2-Butanone (MEK)	ug/kg	500	435	87	63-122	
2-Chlorotoluene	ug/kg	100	95.3	95	79-119	
2-Hexanone	ug/kg	500	447	89	68-122	
4-Chlorotoluene	ug/kg	100	99.5	100	84-119	
4-Methyl-2-pentanone (MIBK)	ug/kg	500	440	88	63-128	
Acetone	ug/kg	500	430	86	55-124	
Benzene	ug/kg	100	90.7	91	67-126	
Bromobenzene	ug/kg	100	96.9	97	85-117	
Bromochloromethane	ug/kg	100	97.2	97	78-122	
Bromodichloromethane	ug/kg	100	95.4	95	82-120	
Bromoform	ug/kg	100	105	105	77-133	
Bromomethane	ug/kg	100	76.8	77	20-168	
Carbon disulfide	ug/kg	100	104	104	60-133	
Carbon tetrachloride	ug/kg	100	103	103	79-128	
Chlorobenzene	ug/kg	100	96.9	97	84-118	
Chloroethane	ug/kg	100	78.6	79	53-139	
Chloroform	ug/kg	100	94.0	94	82-120	
Chloromethane	ug/kg	100	49.3	49	33-143	
cis-1,2-Dichloroethene	ug/kg	100	93.8	94	83-117	
cis-1,3-Dichloropropene	ug/kg	100	92.6	93	80-122	
Dibromochloromethane	ug/kg	100	104	104	82-128	
Dibromomethane	ug/kg	100	92.0	92	82-119	
Dichlorodifluoromethane	ug/kg	100	26.1	26	12-159	
Ethylbenzene	ug/kg	100	96.6	97	69-127	
Hexachloro-1,3-butadiene	ug/kg	100	103	103	77-133	
Isopropylbenzene (Cumene)	ug/kg	100	97.4	97	83-122	
Methyl-tert-butyl ether	ug/kg	100	88.3	88	58-137	
Methylene Chloride	ug/kg	100	86.7	87	68-125	
n-Butylbenzene	ug/kg	100	105	105	73-131	
n-Propylbenzene	ug/kg	100	99.2	99	82-122	
Naphthalene	ug/kg	100	99.4	99	60-136	
p-Isopropyltoluene	ug/kg	100	91.2	91	74-129	
sec-Butylbenzene	ug/kg	100	108	108	71-133	
Styrene	ug/kg	100	99.1	99	84-121	
tert-Butylbenzene	ug/kg	100	97.6	98	81-122	
Tetrachloroethene	ug/kg	100	106	106	78-130	
Toluene	ug/kg	100	95.8	96	80-118	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: PINE LAWN

Pace Project No.: 60349310

LABORATORY CONTROL SAMPLE: 2747688

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
trans-1,2-Dichloroethene	ug/kg	100	97.1	97	78-118	
trans-1,3-Dichloropropene	ug/kg	100	99.4	99	81-123	
Trichloroethene	ug/kg	100	99.3	99	78-127	
Trichlorofluoromethane	ug/kg	100	93.1	93	64-133	
Vinyl chloride	ug/kg	100	61.9	62	45-139	
Xylene (Total)	ug/kg	300	290	97	69-130	
1,2-Dichloroethane-d4 (S)	%			94	78-118	
4-Bromofluorobenzene (S)	%			95	85-115	
Toluene-d8 (S)	%			103	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2747689 2747690

Parameter	Units	60349464005 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,1,1,2-Tetrachloroethane	ug/kg	ND	108	108	99.4	108	92	100	13-133	8	39	
1,1,1-Trichloroethane	ug/kg	ND	108	108	87.4	93.8	81	87	30-131	7	28	
1,1,2,2-Tetrachloroethane	ug/kg	ND	108	108	93.8	99.0	87	92	10-139	5	49	
1,1,2-Trichloroethane	ug/kg	ND	108	108	95.5	103	88	96	10-145	8	41	
1,1-Dichloroethane	ug/kg	ND	108	108	87.1	78.6	81	73	24-125	10	31	
1,1-Dichloroethene	ug/kg	ND	108	108	70.1	75.8	65	70	34-118	8	30	
1,1-Dichloropropene	ug/kg	ND	108	108	86.0	91.1	80	84	29-116	6	30	
1,2,3-Trichlorobenzene	ug/kg	ND	108	108	97.8	101	90	94	10-115	3	40	
1,2,3-Trichloropropane	ug/kg	ND	108	108	96.8	100	90	93	10-150	3	46	
1,2,4-Trichlorobenzene	ug/kg	ND	108	108	97.9	101	90	93	10-115	3	44	
1,2,4-Trimethylbenzene	ug/kg	ND	108	108	91.9	97.0	85	90	10-123	5	37	
1,2-Dibromo-3-chloropropane	ug/kg	ND	108	108	91.8	96.6	85	89	10-136	5	42	
1,2-Dibromoethane (EDB)	ug/kg	ND	108	108	97.3	105	90	98	24-149	8	29	
1,2-Dichlorobenzene	ug/kg	ND	108	108	95.7	100	88	93	10-123	5	41	
1,2-Dichloroethane	ug/kg	ND	108	108	83.8	90.6	77	84	23-140	8	29	
1,2-Dichloroethene (Total)	ug/kg	ND	216	216	169	184	78	85	30-119	9	32	
1,2-Dichloropropane	ug/kg	ND	108	108	87.4	94.2	81	87	13-132	7	33	
1,3,5-Trimethylbenzene	ug/kg	ND	108	108	92.8	97.6	86	90	10-124	5	40	
1,3-Dichlorobenzene	ug/kg	ND	108	108	95.1	98.7	88	91	10-122	4	42	
1,3-Dichloropropane	ug/kg	ND	108	108	93.9	101	87	94	10-135	7	36	
1,4-Dichlorobenzene	ug/kg	ND	108	108	93.7	98.0	87	91	10-120	5	38	
2,2-Dichloropropane	ug/kg	ND	108	108	82.8	87.7	77	81	22-135	6	31	
2-Butanone (MEK)	ug/kg	ND	541	540	416	445	77	82	12-127	7	37	
2-Chlorotoluene	ug/kg	ND	108	108	90.8	95.2	84	88	10-126	5	38	
2-Hexanone	ug/kg	ND	541	540	451	487	83	90	10-135	8	37	
4-Chlorotoluene	ug/kg	ND	108	108	94.0	98.8	87	91	10-129	5	40	
4-Methyl-2-pentanone (MIBK)	ug/kg	ND	541	540	428	466	79	86	10-129	8	36	
Acetone	ug/kg	ND	541	540	374	412	68	75	10-143	10	34	
Benzene	ug/kg	ND	108	108	85.3	91.2	79	84	37-135	7	24	
Bromobenzene	ug/kg	ND	108	108	95.4	101	88	94	10-134	6	45	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: PINE LAWN

Pace Project No.: 60349310

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2747689 2747690											
Parameter	Units	60349464005 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	Max RPD	Qual
Bromochloromethane	ug/kg	ND	108	108	93.0	101	86	94	17-129	9	34
Bromodichloromethane	ug/kg	ND	108	108	94.4	101	87	93	12-130	7	33
Bromoform	ug/kg	ND	108	108	104	114	96	106	10-135	9	39
Bromomethane	ug/kg	ND	108	108	47.1	51.0	44	47	10-124	8	41
Carbon disulfide	ug/kg	ND	108	108	59.7	63.9	55	59	17-116	7	28
Carbon tetrachloride	ug/kg	ND	108	108	90.4	97.4	84	90	29-127	8	35
Chlorobenzene	ug/kg	ND	108	108	97.0	104	90	97	10-133	7	33
Chloroethane	ug/kg	ND	108	108	52.7	57.0	49	53	25-116	8	33
Chloroform	ug/kg	ND	108	108	91.5	97.1	85	90	20-130	6	30
Chloromethane	ug/kg	ND	108	108	29.9	30.5	28	28	10-113	2	31
cis-1,2-Dichloroethene	ug/kg	ND	108	108	86.8	95.3	80	88	22-126	9	31
cis-1,3-Dichloropropene	ug/kg	ND	108	108	91.4	98.1	85	91	10-125	7	34
Dibromochloromethane	ug/kg	ND	108	108	101	110	93	102	10-138	9	38
Dibromomethane	ug/kg	ND	108	108	93.7	101	87	94	13-129	8	38
Dichlorodifluoromethane	ug/kg	ND	108	108	18.7	19.4	17	18	10-114	4	33
Ethylbenzene	ug/kg	ND	108	108	96.1	103	89	95	31-142	7	25
Hexachloro-1,3-butadiene	ug/kg	ND	108	108	94.0	97.4	87	90	10-124	4	41
Isopropylbenzene (Cumene)	ug/kg	ND	108	108	97.1	104	90	97	17-120	7	34
Methyl-tert-butyl ether	ug/kg	ND	108	108	81.8	89.7	76	83	30-143	9	28
Methylene Chloride	ug/kg	ND	108	108	77.1	83.5	70	76	24-121	8	33
n-Butylbenzene	ug/kg	ND	108	108	93.1	97.4	86	90	10-121	5	36
n-Propylbenzene	ug/kg	ND	108	108	94.1	99.3	87	92	12-125	5	37
Naphthalene	ug/kg	ND	108	108	101	106	93	98	10-156	5	34
p-Isopropyltoluene	ug/kg	ND	108	108	93.9	98.5	87	91	10-119	5	37
sec-Butylbenzene	ug/kg	ND	108	108	93.0	98.1	86	91	10-127	5	40
Styrene	ug/kg	ND	108	108	96.5	104	89	96	10-124	7	37
tert-Butylbenzene	ug/kg	ND	108	108	94.0	99.5	87	92	10-126	6	37
Tetrachloroethene	ug/kg	ND	108	108	98.9	105	91	97	15-133	6	36
Toluene	ug/kg	ND	108	108	91.8	97.3	85	90	40-137	6	25
trans-1,2-Dichloroethene	ug/kg	ND	108	108	82.0	88.7	76	82	22-129	8	34
trans-1,3-Dichloropropene	ug/kg	ND	108	108	94.0	103	87	95	10-130	9	35
Trichloroethene	ug/kg	ND	108	108	92.3	98.5	85	91	19-135	6	34
Trichlorofluoromethane	ug/kg	ND	108	108	63.8	68.5	59	63	16-132	7	28
Vinyl chloride	ug/kg	ND	108	108	38.3	40.2	35	37	14-116	5	28
Xylene (Total)	ug/kg	ND	324	323	283	303	87	94	19-153	7	27
1,2-Dichloroethane-d4 (S)	%						97	99	78-118		
4-Bromofluorobenzene (S)	%						95	94	85-115		
Toluene-d8 (S)	%						102	102	80-120		

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QUALITY CONTROL DATA

Project: PINE LAWN

Pace Project No.: 60349310

QC Batch: 678965

Analysis Method: EPA 5030B/8260

QC Batch Method: EPA 5030B/8260

Analysis Description: 8260 MSV Water 10 mL Purge

Laboratory: Pace Analytical Services - Kansas City

Associated Lab Samples: 60349310003, 60349310004, 60349310005, 60349310006

METHOD BLANK: 2745239

Matrix: Water

Associated Lab Samples: 60349310003, 60349310004, 60349310005, 60349310006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	1.0	09/25/20 11:51	
1,1,1-Trichloroethane	ug/L	ND	1.0	09/25/20 11:51	
1,1,2,2-Tetrachloroethane	ug/L	ND	1.0	09/25/20 11:51	
1,1,2-Trichloroethane	ug/L	ND	1.0	09/25/20 11:51	
1,1-Dichloroethane	ug/L	ND	1.0	09/25/20 11:51	
1,1-Dichloroethene	ug/L	ND	1.0	09/25/20 11:51	
1,1-Dichloropropene	ug/L	ND	1.0	09/25/20 11:51	
1,2,3-Trichlorobenzene	ug/L	ND	1.0	09/25/20 11:51	
1,2,3-Trichloropropane	ug/L	ND	2.5	09/25/20 11:51	
1,2,4-Trichlorobenzene	ug/L	ND	1.0	09/25/20 11:51	
1,2,4-Trimethylbenzene	ug/L	ND	1.0	09/25/20 11:51	
1,2-Dibromo-3-chloropropane	ug/L	ND	2.5	09/25/20 11:51	
1,2-Dibromoethane (EDB)	ug/L	ND	1.0	09/25/20 11:51	
1,2-Dichlorobenzene	ug/L	ND	1.0	09/25/20 11:51	
1,2-Dichloroethane	ug/L	ND	1.0	09/25/20 11:51	
1,2-Dichloroethene (Total)	ug/L	ND	1.0	09/25/20 11:51	
1,2-Dichloropropane	ug/L	ND	1.0	09/25/20 11:51	
1,3,5-Trimethylbenzene	ug/L	ND	1.0	09/25/20 11:51	
1,3-Dichlorobenzene	ug/L	ND	1.0	09/25/20 11:51	
1,3-Dichloropropane	ug/L	ND	1.0	09/25/20 11:51	
1,4-Dichlorobenzene	ug/L	ND	1.0	09/25/20 11:51	
2,2-Dichloropropane	ug/L	ND	1.0	09/25/20 11:51	
2-Butanone (MEK)	ug/L	ND	10.0	09/25/20 11:51	
2-Chlorotoluene	ug/L	ND	1.0	09/25/20 11:51	
2-Hexanone	ug/L	ND	10.0	09/25/20 11:51	
4-Chlorotoluene	ug/L	ND	1.0	09/25/20 11:51	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	10.0	09/25/20 11:51	
Acetone	ug/L	ND	10.0	09/25/20 11:51	
Benzene	ug/L	ND	1.0	09/25/20 11:51	
Bromobenzene	ug/L	ND	1.0	09/25/20 11:51	
Bromochloromethane	ug/L	ND	1.0	09/25/20 11:51	
Bromodichloromethane	ug/L	ND	1.0	09/25/20 11:51	
Bromoform	ug/L	ND	1.0	09/25/20 11:51	
Bromomethane	ug/L	ND	5.0	09/25/20 11:51	
Carbon disulfide	ug/L	ND	5.0	09/25/20 11:51	
Carbon tetrachloride	ug/L	ND	1.0	09/25/20 11:51	
Chlorobenzene	ug/L	ND	1.0	09/25/20 11:51	
Chloroethane	ug/L	ND	1.0	09/25/20 11:51	
Chloroform	ug/L	ND	1.0	09/25/20 11:51	
Chloromethane	ug/L	ND	1.0	09/25/20 11:51	

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QUALITY CONTROL DATA

Project: PINE LAWN

Pace Project No.: 60349310

METHOD BLANK: 2745239

Matrix: Water

Associated Lab Samples: 60349310003, 60349310004, 60349310005, 60349310006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
cis-1,2-Dichloroethene	ug/L	ND	1.0	09/25/20 11:51	
cis-1,3-Dichloropropene	ug/L	ND	1.0	09/25/20 11:51	
Dibromochloromethane	ug/L	ND	1.0	09/25/20 11:51	
Dibromomethane	ug/L	ND	1.0	09/25/20 11:51	
Dichlorodifluoromethane	ug/L	ND	1.0	09/25/20 11:51	
Ethylbenzene	ug/L	ND	1.0	09/25/20 11:51	
Hexachloro-1,3-butadiene	ug/L	ND	1.0	09/25/20 11:51	
Isopropylbenzene (Cumene)	ug/L	ND	1.0	09/25/20 11:51	
Methyl-tert-butyl ether	ug/L	ND	1.0	09/25/20 11:51	
Methylene Chloride	ug/L	ND	1.0	09/25/20 11:51	
n-Butylbenzene	ug/L	ND	1.0	09/25/20 11:51	
n-Propylbenzene	ug/L	ND	1.0	09/25/20 11:51	
Naphthalene	ug/L	ND	10.0	09/25/20 11:51	
p-Isopropyltoluene	ug/L	ND	1.0	09/25/20 11:51	
sec-Butylbenzene	ug/L	ND	1.0	09/25/20 11:51	
Styrene	ug/L	ND	1.0	09/25/20 11:51	
tert-Butylbenzene	ug/L	ND	1.0	09/25/20 11:51	
Tetrachloroethene	ug/L	ND	1.0	09/25/20 11:51	
Toluene	ug/L	ND	1.0	09/25/20 11:51	
trans-1,2-Dichloroethene	ug/L	ND	1.0	09/25/20 11:51	
trans-1,3-Dichloropropene	ug/L	ND	1.0	09/25/20 11:51	
Trichloroethene	ug/L	ND	1.0	09/25/20 11:51	
Trichlorofluoromethane	ug/L	ND	1.0	09/25/20 11:51	
Vinyl chloride	ug/L	ND	1.0	09/25/20 11:51	
Xylene (Total)	ug/L	ND	3.0	09/25/20 11:51	
1,2-Dichloroethane-d4 (S)	%	101	86-117	09/25/20 11:51	
4-Bromofluorobenzene (S)	%	100	80-120	09/25/20 11:51	
Toluene-d8 (S)	%	99	80-120	09/25/20 11:51	

LABORATORY CONTROL SAMPLE: 2745240

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	20	23.2	116	85-118	
1,1,1-Trichloroethane	ug/L	20	19.2	96	85-118	
1,1,2,2-Tetrachloroethane	ug/L	20	21.6	108	78-118	
1,1,2-Trichloroethane	ug/L	20	22.9	114	82-117	
1,1-Dichloroethane	ug/L	20	20.2	101	85-120	
1,1-Dichloroethene	ug/L	20	19.6	98	81-124	
1,1-Dichloropropene	ug/L	20	17.8	89	71-119	
1,2,3-Trichlorobenzene	ug/L	20	19.8	99	76-120	
1,2,3-Trichloropropane	ug/L	20	21.6	108	78-123	
1,2,4-Trichlorobenzene	ug/L	20	20.6	103	77-117	
1,2,4-Trimethylbenzene	ug/L	20	21.7	109	85-120	
1,2-Dibromo-3-chloropropane	ug/L	20	20.1	100	68-125	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: PINE LAWN

Pace Project No.: 60349310

LABORATORY CONTROL SAMPLE: 2745240

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dibromoethane (EDB)	ug/L	20	22.3	111	83-120	
1,2-Dichlorobenzene	ug/L	20	21.3	106	80-120	
1,2-Dichloroethane	ug/L	20	19.2	96	79-118	
1,2-Dichloroethene (Total)	ug/L	40	41.1	103	84-118	
1,2-Dichloropropane	ug/L	20	20.6	103	85-117	
1,3,5-Trimethylbenzene	ug/L	20	21.3	107	80-118	
1,3-Dichlorobenzene	ug/L	20	21.5	107	80-120	
1,3-Dichloropropane	ug/L	20	22.1	111	85-120	
1,4-Dichlorobenzene	ug/L	20	20.1	101	84-115	
2,2-Dichloropropane	ug/L	20	22.4	112	60-129	
2-Butanone (MEK)	ug/L	100	116	116	70-125	
2-Chlorotoluene	ug/L	20	20.7	103	84-115	
2-Hexanone	ug/L	100	114	114	76-126	
4-Chlorotoluene	ug/L	20	21.2	106	83-116	
4-Methyl-2-pentanone (MIBK)	ug/L	100	117	117	73-131	
Acetone	ug/L	100	114	114	59-135	
Benzene	ug/L	20	20.1	100	82-115	
Bromobenzene	ug/L	20	20.6	103	84-115	
Bromochloromethane	ug/L	20	20.5	103	85-125	
Bromodichloromethane	ug/L	20	21.9	109	82-123	
Bromoform	ug/L	20	23.2	116	66-133	
Bromomethane	ug/L	20	18.0	90	27-179	
Carbon disulfide	ug/L	20	22.9	115	72-134	
Carbon tetrachloride	ug/L	20	20.7	103	80-121	
Chlorobenzene	ug/L	20	21.3	107	80-120	
Chloroethane	ug/L	20	18.2	91	78-145	
Chloroform	ug/L	20	19.8	99	84-116	
Chloromethane	ug/L	20	12.7	64	48-160	
cis-1,2-Dichloroethene	ug/L	20	20.5	103	85-115	
cis-1,3-Dichloropropene	ug/L	20	22.8	114	85-117	
Dibromochloromethane	ug/L	20	22.7	113	82-122	
Dibromomethane	ug/L	20	20.8	104	81-122	
Dichlorodifluoromethane	ug/L	20	9.4	47	50-173	L2,SS
Ethylbenzene	ug/L	20	19.4	97	79-115	
Hexachloro-1,3-butadiene	ug/L	20	22.6	113	75-120	
Isopropylbenzene (Cumene)	ug/L	20	20.7	103	84-117	
Methyl-tert-butyl ether	ug/L	20	22.1	111	77-126	
Methylene Chloride	ug/L	20	20.2	101	80-126	
n-Butylbenzene	ug/L	20	23.7	118	81-120	
n-Propylbenzene	ug/L	20	20.7	104	80-116	
Naphthalene	ug/L	20	20.1	100	73-126	
p-Isopropyltoluene	ug/L	20	20.1	100	74-121	
sec-Butylbenzene	ug/L	20	23.5	117	75-130	
Styrene	ug/L	20	22.6	113	80-117	
tert-Butylbenzene	ug/L	20	21.1	106	84-116	
Tetrachloroethene	ug/L	20	20.2	101	83-119	
Toluene	ug/L	20	20.6	103	83-115	

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QUALITY CONTROL DATA

Project: PINE LAWN

Pace Project No.: 60349310

LABORATORY CONTROL SAMPLE: 2745240

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
trans-1,2-Dichloroethene	ug/L	20	20.5	103	80-124	
trans-1,3-Dichloropropene	ug/L	20	22.7	113	83-117	
Trichloroethene	ug/L	20	19.5	97	80-118	
Trichlorofluoromethane	ug/L	20	22.1	110	83-133	
Vinyl chloride	ug/L	20	15.6	78	76-144	
Xylene (Total)	ug/L	60	63.1	105	82-120	
1,2-Dichloroethane-d4 (S)	%			99	86-117	
4-Bromofluorobenzene (S)	%			99	80-120	
Toluene-d8 (S)	%			99	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2745241 2745242

Parameter	Units	60348619014 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,1,1,2-Tetrachloroethane	ug/L	<5.2	20	20	21.3	21.4	106	107	68-125	1	15	
1,1,1-Trichloroethane	ug/L	<3.2	20	20	19.8	19.3	99	97	74-130	3	20	
1,1,2,2-Tetrachloroethane	ug/L	<7.0	20	20	19.1	19.6	96	98	60-128	3	19	
1,1,2-Trichloroethane	ug/L	<7.0	20	20	21.7	21.8	108	109	66-125	1	28	
1,1-Dichloroethane	ug/L	<2.4	20	20	18.8	19.9	94	99	81-124	6	23	
1,1-Dichloroethene	ug/L	<5.2	20	20	20.3	21.0	101	105	64-141	3	21	
1,1-Dichloropropene	ug/L	<4.5	20	20	18.5	18.7	92	94	43-144	1	21	
1,2,3-Trichlorobenzene	ug/L	<15.5	20	20	17.9	18.4	89	92	56-116	3	31	
1,2,3-Trichloropropane	ug/L	<9.0	20	20	18.8	19.7	94	98	64-124	4	23	
1,2,4-Trichlorobenzene	ug/L	<9.2	20	20	19.6	19.5	98	98	54-118	0	28	
1,2,4-Trimethylbenzene	ug/L	<6.5	20	20	20.6	20.5	103	102	61-133	1	22	
1,2-Dibromo-3-chloropropane	ug/L	<23.8	20	20	18.1	18.8	90	94	56-128	4	33	
1,2-Dibromoethane (EDB)	ug/L	<4.8	20	20	20.1	20.3	100	101	70-122	1	18	
1,2-Dichlorobenzene	ug/L	<6.0	20	20	20.4	20.6	102	103	76-117	1	17	
1,2-Dichloroethane	ug/L	<5.8	20	20	18.8	18.4	94	92	64-135	2	22	
1,2-Dichloroethene (Total)	ug/L	<6.5	40	40	38.2	40.1	96	100	77-122	5	17	
1,2-Dichloropropane	ug/L	<4.0	20	20	20.7	20.7	103	104	73-125	0	19	
1,3,5-Trimethylbenzene	ug/L	<5.2	20	20	21.1	21.4	105	107	60-136	1	21	
1,3-Dichlorobenzene	ug/L	<6.0	20	20	20.6	20.6	103	103	71-121	0	20	
1,3-Dichloropropane	ug/L	<5.5	20	20	20.8	20.6	104	103	73-120	1	16	
1,4-Dichlorobenzene	ug/L	<6.5	20	20	18.4	19.0	74	77	57-125	4	19	
2,2-Dichloropropane	ug/L	<2.8	20	20	19.5	19.2	97	96	32-135	1	19	
2-Butanone (MEK)	ug/L	<60.0	100	100	98.5	99.2	99	99	58-121	1	22	
2-Chlorotoluene	ug/L	<6.0	20	20	19.9	20.3	99	102	66-129	2	19	
2-Hexanone	ug/L	<37.5	100	100	97.1	100	97	100	61-125	3	20	
4-Chlorotoluene	ug/L	<6.2	20	20	20.1	20.6	100	103	65-127	3	20	
4-Methyl-2-pentanone (MIBK)	ug/L	<35.0	100	100	105	108	105	108	67-125	3	20	
Acetone	ug/L	<118	100	100	101	103	-11	-9	49-113	1	32 M1	
Benzene	ug/L	331	20	20	33.0	32.6	-1490	-1490	49-140	1	25 M1	
Bromobenzene	ug/L	<5.8	20	20	19.1	19.9	95	99	69-120	4	16	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: PINE LAWN

Pace Project No.: 60349310

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2745241 2745242											
Parameter	Units	60348619014 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	Max RPD	Qual
Bromochloromethane	ug/L	<4.8	20	20	19.7	19.1	99	95	74-123	3	18
Bromodichloromethane	ug/L	<3.0	20	20	21.2	21.4	106	107	71-124	1	19
Bromoform	ug/L	<9.5	20	20	20.7	20.4	103	102	56-113	1	18
Bromomethane	ug/L	<24.8	20	20	13.5	14.5	68	72	12-165	7	43
Carbon disulfide	ug/L	<6.0	20	20	23.9	24.1	119	120	66-145	1	18
Carbon tetrachloride	ug/L	<4.8	20	20	21.6	22.5	108	113	84-130	4	21
Chlorobenzene	ug/L	1230	20	20	70.5	71.0	-5810	-5800	68-126	1	14 M1
Chloroethane	ug/L	<9.5	20	20	18.5	18.8	92	94	67-145	2	28
Chloroform	ug/L	<4.2	20	20	19.6	19.5	98	98	72-123	1	17
Chloromethane	ug/L	<11.0	20	20	12.4	12.3	43	42	31-175	1	34
cis-1,2-Dichloroethene	ug/L	<3.8	20	20	18.6	20.0	93	100	69-127	7	18
cis-1,3-Dichloropropene	ug/L	<3.2	20	20	21.3	20.7	106	104	60-124	3	20
Dibromochloromethane	ug/L	<4.2	20	20	21.6	21.6	108	108	68-123	0	24
Dibromomethane	ug/L	<4.8	20	20	19.3	19.9	97	100	76-115	3	18
Dichlorodifluoromethane	ug/L	<12.2	20	20	9.8	9.9	49	49	31-162	1	24
Ethylbenzene	ug/L	<4.5	20	20	19.1	19.4	95	97	52-140	2	28
Hexachloro-1,3-butadiene	ug/L	<12.8	20	20	21.6	21.7	108	109	41-132	1	27
Isopropylbenzene (Cumene)	ug/L	<4.8	20	20	20.5	20.9	102	104	57-138	2	19
Methyl-tert-butyl ether	ug/L	<2.3	20	20	20.3	20.3	102	102	62-127	0	21
Methylene Chloride	ug/L	<20.2	20	20	19.2	19.1	96	96	68-125	0	24
n-Butylbenzene	ug/L	<6.5	20	20	22.6	22.8	113	114	53-141	1	24
n-Propylbenzene	ug/L	<4.0	20	20	20.5	21.0	102	105	49-149	2	20
Naphthalene	ug/L	<14.0	20	20	18.9	18.2	95	91	45-141	4	28
p-Isopropyltoluene	ug/L	<5.8	20	20	19.8	19.4	99	97	45-137	2	22
sec-Butylbenzene	ug/L	<5.5	20	20	23.4	23.8	117	119	82-136	1	27
Styrene	ug/L	<4.2	20	20	21.5	21.6	108	108	56-136	0	20
tert-Butylbenzene	ug/L	<4.5	20	20	21.3	21.7	107	108	64-133	2	20
Tetrachloroethene	ug/L	<3.8	20	20	20.3	21.0	102	105	59-133	3	28
Toluene	ug/L	<4.5	20	20	20.0	19.7	83	82	56-137	2	21
trans-1,2-Dichloroethene	ug/L	<3.8	20	20	19.6	20.0	98	100	70-130	2	24
trans-1,3-Dichloropropene	ug/L	<4.2	20	20	20.6	21.4	103	107	69-121	4	24
Trichloroethene	ug/L	<6.2	20	20	19.9	20.3	100	102	68-128	2	23
Trichlorofluoromethane	ug/L	<6.0	20	20	23.9	23.9	120	119	65-149	0	25
Vinyl chloride	ug/L	<6.2	20	20	16.3	16.7	63	66	51-148	3	23
Xylene (Total)	ug/L	<13.5	60	60	62.3	61.3	104	102	59-139	1	22
1,2-Dichloroethane-d4 (S)	%						98	101	86-117		
4-Bromofluorobenzene (S)	%						97	98	80-120		
Toluene-d8 (S)	%						102	98	80-120		
Preservation pH		1.0			1.0	1.0				0	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: PINE LAWN

Pace Project No.: 60349310

QC Batch: 678959

Analysis Method: EPA 8260

QC Batch Method: EPA 8260

Analysis Description: 8260 MSV MO GRO Oxygenates

Laboratory: Pace Analytical Services - Kansas City

Associated Lab Samples: 60349310005

METHOD BLANK: 2745226

Matrix: Water

Associated Lab Samples: 60349310005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
TPH-GRO	ug/L	ND	500	09/25/20 11:51	
1,2-Dichloroethane-d4 (S)	%	101	86-117	09/25/20 11:51	
4-Bromofluorobenzene (S)	%	100	80-120	09/25/20 11:51	
Toluene-d8 (S)	%	99	80-120	09/25/20 11:51	

LABORATORY CONTROL SAMPLE: 2745227

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
TPH-GRO	ug/L	4000	4140	103	55-125	
1,2-Dichloroethane-d4 (S)	%			99	86-117	
4-Bromofluorobenzene (S)	%			99	80-120	
Toluene-d8 (S)	%			99	80-120	

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QUALITY CONTROL DATA

Project: PINE LAWN

Pace Project No.: 60349310

QC Batch: 679955

Analysis Method: EPA 8260

QC Batch Method: EPA 8260

Analysis Description: 8260 MSV MO GRO Oxygenates

Laboratory: Pace Analytical Services - Kansas City

Associated Lab Samples: 60349310003, 60349310004

METHOD BLANK: 2748829

Matrix: Water

Associated Lab Samples: 60349310003, 60349310004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
TPH-GRO	ug/L	ND	500	09/30/20 16:39	
1,2-Dichloroethane-d4 (S)	%	88	86-117	09/30/20 16:39	
4-Bromofluorobenzene (S)	%	96	80-120	09/30/20 16:39	
Toluene-d8 (S)	%	104	80-120	09/30/20 16:39	

LABORATORY CONTROL SAMPLE: 2748830

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
TPH-GRO	ug/L	4000	3530	88	55-125	
1,2-Dichloroethane-d4 (S)	%			86	86-117	
4-Bromofluorobenzene (S)	%			96	80-120	
Toluene-d8 (S)	%			104	80-120	

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QUALITY CONTROL DATA

Project: PINE LAWN
Pace Project No.: 60349310

QC Batch:	679040	Analysis Method:	EPA 8260
QC Batch Method:	EPA 5035	Analysis Description:	8260 MSV GRO and Oxygenates
		Laboratory:	Pace Analytical Services - Kansas City

Associated Lab Samples: 60349310001, 60349310002

METHOD BLANK: 2745544 Matrix: Solid

Associated Lab Samples: 60349310001, 60349310002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
TPH-GRO	mg/kg	ND	0.50	09/25/20 18:14	
1,2-Dichloroethane-d4 (S)	%	94	80-123	09/25/20 18:14	
4-Bromofluorobenzene (S)	%	97	69-133	09/25/20 18:14	
Toluene-d8 (S)	%	103	78-122	09/25/20 18:14	

LABORATORY CONTROL SAMPLE: 2745545

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
TPH-GRO	mg/kg	4	2.9	71	61-140	
1,2-Dichloroethane-d4 (S)	%			96	80-123	
4-Bromofluorobenzene (S)	%			94	69-133	
Toluene-d8 (S)	%			102	78-122	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2745546 2745547

Parameter	Units	60349385001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,2-Dichloroethane-d4 (S)	%						105	104	80-123			
4-Bromofluorobenzene (S)	%						95	96	69-133			
Toluene-d8 (S)	%						101	101	78-122			

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QUALITY CONTROL DATA

Project: PINE LAWN

Pace Project No.: 60349310

QC Batch: 679572

Analysis Method: EPA 8260

QC Batch Method: EPA 5035

Analysis Description: 8260 MSV GRO and Oxygenates

Laboratory: Pace Analytical Services - Kansas City

Associated Lab Samples: 60349310007

METHOD BLANK: 2747693

Matrix: Solid

Associated Lab Samples: 60349310007

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
TPH-GRO	mg/kg	ND	0.50	09/29/20 10:10	
1,2-Dichloroethane-d4 (S)	%	95	80-123	09/29/20 10:10	
4-Bromofluorobenzene (S)	%	97	69-133	09/29/20 10:10	
Toluene-d8 (S)	%	104	78-122	09/29/20 10:10	

LABORATORY CONTROL SAMPLE: 2747694

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
TPH-GRO	mg/kg	4	2.9	72	61-140	
1,2-Dichloroethane-d4 (S)	%			97	80-123	
4-Bromofluorobenzene (S)	%			97	69-133	
Toluene-d8 (S)	%			103	78-122	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: PINE LAWN
Pace Project No.: 60349310

QC Batch:	679537	Analysis Method:	EPA 8082
QC Batch Method:	EPA 3546	Analysis Description:	8082 GCS PCB
		Laboratory:	Pace Analytical Services - Kansas City

Associated Lab Samples: 60349310001, 60349310002, 60349310007

METHOD BLANK: 2747540 Matrix: Solid
Associated Lab Samples: 60349310001, 60349310002, 60349310007

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
PCB-1016 (Aroclor 1016)	ug/kg	ND	32.6	10/01/20 15:18	
PCB-1221 (Aroclor 1221)	ug/kg	ND	32.6	10/01/20 15:18	
PCB-1232 (Aroclor 1232)	ug/kg	ND	32.6	10/01/20 15:18	
PCB-1242 (Aroclor 1242)	ug/kg	ND	32.6	10/01/20 15:18	
PCB-1248 (Aroclor 1248)	ug/kg	ND	32.6	10/01/20 15:18	
PCB-1254 (Aroclor 1254)	ug/kg	ND	32.6	10/01/20 15:18	
PCB-1260 (Aroclor 1260)	ug/kg	ND	32.6	10/01/20 15:18	
Decachlorobiphenyl (S)	%	89	28-143	10/01/20 15:18	

LABORATORY CONTROL SAMPLE: 2747541

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
PCB-1016 (Aroclor 1016)	ug/kg	164	148	91	61-130	
PCB-1260 (Aroclor 1260)	ug/kg	164	152	93	56-128	
Decachlorobiphenyl (S)	%			87	28-143	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2747542 2747543

Parameter	Units	60348944003 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	ND	177	185	144	156	82	84	38-131	8	38	
PCB-1260 (Aroclor 1260)	ug/kg	ND	177	185	177	184	100	99	30-141	4	40	
Decachlorobiphenyl (S)	%						87	86	28-143			

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QUALITY CONTROL DATA

Project: PINE LAWN

Pace Project No.: 60349310

QC Batch: 680394

Analysis Method: EPA 8082

QC Batch Method: EPA 3510

Analysis Description: 8082 GCS PCB, LV

Laboratory: Pace Analytical Services - Kansas City

Associated Lab Samples: 60349310003, 60349310004, 60349310005

METHOD BLANK: 2750572

Matrix: Water

Associated Lab Samples: 60349310003, 60349310004, 60349310005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
PCB-1016 (Aroclor 1016)	ug/L	ND	1.0	10/02/20 14:24	
PCB-1221 (Aroclor 1221)	ug/L	ND	1.0	10/02/20 14:24	
PCB-1232 (Aroclor 1232)	ug/L	ND	1.0	10/02/20 14:24	
PCB-1242 (Aroclor 1242)	ug/L	ND	1.0	10/02/20 14:24	
PCB-1248 (Aroclor 1248)	ug/L	ND	1.0	10/02/20 14:24	
PCB-1254 (Aroclor 1254)	ug/L	ND	1.0	10/02/20 14:24	
PCB-1260 (Aroclor 1260)	ug/L	ND	1.0	10/02/20 14:24	
Decachlorobiphenyl (S)	%	72	30-136	10/02/20 14:24	

LABORATORY CONTROL SAMPLE: 2750573

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
PCB-1016 (Aroclor 1016)	ug/L	5	4.6	92	66-125	
PCB-1260 (Aroclor 1260)	ug/L	5	4.7	94	64-123	
Decachlorobiphenyl (S)	%			73	30-136	

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QUALITY CONTROL DATA

Project: PINE LAWN

Pace Project No.: 60349310

QC Batch: 679538

Analysis Method: EPA 8270

QC Batch Method: EPA 3546

Analysis Description: 8270 Solid MSSV Microwave

Laboratory: Pace Analytical Services - Kansas City

Associated Lab Samples: 60349310001, 60349310002, 60349310007

METHOD BLANK: 2747544

Matrix: Solid

Associated Lab Samples: 60349310001, 60349310002, 60349310007

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,2,4-Trichlorobenzene	ug/kg	ND	323	09/30/20 11:04	
1,2-Dichlorobenzene	ug/kg	ND	323	09/30/20 11:04	
1,3-Dichlorobenzene	ug/kg	ND	323	09/30/20 11:04	
1,4-Dichlorobenzene	ug/kg	ND	323	09/30/20 11:04	
2,4,5-Trichlorophenol	ug/kg	ND	323	09/30/20 11:04	
2,4,6-Trichlorophenol	ug/kg	ND	323	09/30/20 11:04	
2,4-Dichlorophenol	ug/kg	ND	323	09/30/20 11:04	
2,4-Dimethylphenol	ug/kg	ND	323	09/30/20 11:04	
2,4-Dinitrophenol	ug/kg	ND	1630	09/30/20 11:04	
2,4-Dinitrotoluene	ug/kg	ND	323	09/30/20 11:04	
2,6-Dinitrotoluene	ug/kg	ND	323	09/30/20 11:04	
2-Chloronaphthalene	ug/kg	ND	323	09/30/20 11:04	
2-Chlorophenol	ug/kg	ND	323	09/30/20 11:04	
2-Methylnaphthalene	ug/kg	ND	323	09/30/20 11:04	
2-Methylphenol(o-Cresol)	ug/kg	ND	323	09/30/20 11:04	
2-Nitroaniline	ug/kg	ND	646	09/30/20 11:04	
2-Nitrophenol	ug/kg	ND	323	09/30/20 11:04	
3&4-Methylphenol(m&p Cresol)	ug/kg	ND	323	09/30/20 11:04	
3,3'-Dichlorobenzidine	ug/kg	ND	646	09/30/20 11:04	
3-Nitroaniline	ug/kg	ND	646	09/30/20 11:04	
4,6-Dinitro-2-methylphenol	ug/kg	ND	1630	09/30/20 11:04	
4-Bromophenylphenyl ether	ug/kg	ND	323	09/30/20 11:04	
4-Chloro-3-methylphenol	ug/kg	ND	646	09/30/20 11:04	
4-Chloroaniline	ug/kg	ND	646	09/30/20 11:04	
4-Chlorophenylphenyl ether	ug/kg	ND	323	09/30/20 11:04	
4-Nitroaniline	ug/kg	ND	646	09/30/20 11:04	
4-Nitrophenol	ug/kg	ND	1630	09/30/20 11:04	
Acenaphthene	ug/kg	ND	323	09/30/20 11:04	
Acenaphthylene	ug/kg	ND	323	09/30/20 11:04	
Anthracene	ug/kg	ND	323	09/30/20 11:04	
Benzo(a)anthracene	ug/kg	ND	323	09/30/20 11:04	
Benzo(a)pyrene	ug/kg	ND	323	09/30/20 11:04	
Benzo(b)fluoranthene	ug/kg	ND	323	09/30/20 11:04	
Benzo(g,h,i)perylene	ug/kg	ND	323	09/30/20 11:04	
Benzo(k)fluoranthene	ug/kg	ND	323	09/30/20 11:04	
Benzoic Acid	ug/kg	ND	1630	09/30/20 11:04	
Benzyl alcohol	ug/kg	ND	646	09/30/20 11:04	
bis(2-Chloroethoxy)methane	ug/kg	ND	323	09/30/20 11:04	
bis(2-Chloroethyl) ether	ug/kg	ND	323	09/30/20 11:04	
bis(2-Chloroisopropyl) ether	ug/kg	ND	323	09/30/20 11:04	

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QUALITY CONTROL DATA

Project: PINE LAWN
Pace Project No.: 60349310

METHOD BLANK: 2747544 Matrix: Solid

Associated Lab Samples: 60349310001, 60349310002, 60349310007

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
bis(2-Ethylhexyl)phthalate	ug/kg	ND	323	09/30/20 11:04	
Butylbenzylphthalate	ug/kg	ND	323	09/30/20 11:04	
Carbazole	ug/kg	ND	323	09/30/20 11:04	
Chrysene	ug/kg	ND	323	09/30/20 11:04	
Di-n-butylphthalate	ug/kg	ND	323	09/30/20 11:04	
Di-n-octylphthalate	ug/kg	ND	323	09/30/20 11:04	
Dibenz(a,h)anthracene	ug/kg	ND	323	09/30/20 11:04	
Dibenzofuran	ug/kg	ND	323	09/30/20 11:04	
Diethylphthalate	ug/kg	ND	323	09/30/20 11:04	
Dimethylphthalate	ug/kg	ND	323	09/30/20 11:04	
Fluoranthene	ug/kg	ND	323	09/30/20 11:04	
Fluorene	ug/kg	ND	323	09/30/20 11:04	
Hexachloro-1,3-butadiene	ug/kg	ND	323	09/30/20 11:04	
Hexachlorobenzene	ug/kg	ND	323	09/30/20 11:04	
Hexachlorocyclopentadiene	ug/kg	ND	323	09/30/20 11:04	
Hexachloroethane	ug/kg	ND	323	09/30/20 11:04	
Indeno(1,2,3-cd)pyrene	ug/kg	ND	323	09/30/20 11:04	
Isophorone	ug/kg	ND	323	09/30/20 11:04	
N-Nitroso-di-n-propylamine	ug/kg	ND	323	09/30/20 11:04	
N-Nitrosodiphenylamine	ug/kg	ND	323	09/30/20 11:04	
Naphthalene	ug/kg	ND	323	09/30/20 11:04	
Nitrobenzene	ug/kg	ND	323	09/30/20 11:04	
Pentachlorophenol	ug/kg	ND	1630	09/30/20 11:04	
Phenanthrene	ug/kg	ND	323	09/30/20 11:04	
Phenol	ug/kg	ND	323	09/30/20 11:04	
Pyrene	ug/kg	ND	323	09/30/20 11:04	
Pyridine	ug/kg	ND	323	09/30/20 11:04	
2,4,6-Tribromophenol (S)	%	80	41-108	09/30/20 11:04	
2-Fluorobiphenyl (S)	%	80	39-136	09/30/20 11:04	
2-Fluorophenol (S)	%	77	43-96	09/30/20 11:04	
Nitrobenzene-d5 (S)	%	81	33-132	09/30/20 11:04	
Phenol-d6 (S)	%	78	43-95	09/30/20 11:04	
Terphenyl-d14 (S)	%	85	29-131	09/30/20 11:04	

LABORATORY CONTROL SAMPLE: 2747545

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2,4-Trichlorobenzene	ug/kg	1570	1220	78	52-104	
1,2-Dichlorobenzene	ug/kg	1570	1210	77	51-99	
1,3-Dichlorobenzene	ug/kg	1570	1190	76	48-102	
1,4-Dichlorobenzene	ug/kg	1570	1190	76	49-101	
2,4,5-Trichlorophenol	ug/kg	1570	1290	82	58-109	
2,4,6-Trichlorophenol	ug/kg	1570	1270	81	56-109	
2,4-Dichlorophenol	ug/kg	1570	1250	80	54-106	

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QUALITY CONTROL DATA

Project: PINE LAWN

Pace Project No.: 60349310

LABORATORY CONTROL SAMPLE: 2747545

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
2,4-Dimethylphenol	ug/kg	1570	1260	80	49-104	
2,4-Dinitrophenol	ug/kg	1570	1250J	79	26-119	
2,4-Dinitrotoluene	ug/kg	1570	1310	83	60-109	
2,6-Dinitrotoluene	ug/kg	1570	1260	80	59-109	
2-Chloronaphthalene	ug/kg	1570	1220	78	56-104	
2-Chlorophenol	ug/kg	1570	1250	79	56-98	
2-Methylnaphthalene	ug/kg	1570	1270	81	53-103	
2-Methylphenol(o-Cresol)	ug/kg	1570	1250	79	52-102	
2-Nitroaniline	ug/kg	1570	1260	80	54-113	
2-Nitrophenol	ug/kg	1570	1250	79	51-111	
3&4-Methylphenol(m&p Cresol)	ug/kg	1570	1250	79	52-102	
3,3'-Dichlorobenzidine	ug/kg	1570	850	54	19-126	
3-Nitroaniline	ug/kg	1570	883	56	31-122	
4,6-Dinitro-2-methylphenol	ug/kg	1570	1160J	74	37-117	
4-Bromophenylphenyl ether	ug/kg	1570	1230	78	60-106	
4-Chloro-3-methylphenol	ug/kg	1570	1300	83	55-107	
4-Chloroaniline	ug/kg	1570	690	44	10-116	
4-Chlorophenylphenyl ether	ug/kg	1570	1240	79	56-107	
4-Nitroaniline	ug/kg	1570	1260	80	52-113	
4-Nitrophenol	ug/kg	1570	1350J	86	53-114	
Acenaphthene	ug/kg	1570	1260	80	55-105	
Acenaphthylene	ug/kg	1570	1310	84	57-105	
Anthracene	ug/kg	1570	1250	79	59-106	
Benzo(a)anthracene	ug/kg	1570	1270	81	59-109	
Benzo(a)pyrene	ug/kg	1570	1260	80	59-109	
Benzo(b)fluoranthene	ug/kg	1570	1280	82	56-112	
Benzo(g,h,i)perylene	ug/kg	1570	1280	82	57-109	
Benzo(k)fluoranthene	ug/kg	1570	1290	82	57-107	
Benzoic Acid	ug/kg	1570	1770	112	10-96	L1
Benzyl alcohol	ug/kg	1570	1280	81	56-103	
bis(2-Chloroethoxy)methane	ug/kg	1570	1200	76	52-102	
bis(2-Chloroethyl) ether	ug/kg	1570	1190	76	51-100	
bis(2-Chloroisopropyl) ether	ug/kg	1570	1240	79	47-101	
bis(2-Ethylhexyl)phthalate	ug/kg	1570	1340	85	61-113	
Butylbenzylphthalate	ug/kg	1570	1280	82	62-110	
Carbazole	ug/kg	1570	1290	82	60-106	
Chrysene	ug/kg	1570	1310	83	58-108	
Di-n-butylphthalate	ug/kg	1570	1300	83	61-110	
Di-n-octylphthalate	ug/kg	1570	1350	86	58-114	
Dibenz(a,h)anthracene	ug/kg	1570	1300	83	57-109	
Dibenzofuran	ug/kg	1570	1230	78	56-106	
Diethylphthalate	ug/kg	1570	1260	80	57-107	
Dimethylphthalate	ug/kg	1570	1260	80	55-106	
Fluoranthene	ug/kg	1570	1250	79	60-109	
Fluorene	ug/kg	1570	1240	79	56-107	
Hexachloro-1,3-butadiene	ug/kg	1570	1250	79	50-106	
Hexachlorobenzene	ug/kg	1570	1210	77	56-107	

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QUALITY CONTROL DATA

Project: PINE LAWN

Pace Project No.: 60349310

LABORATORY CONTROL SAMPLE: 2747545

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Hexachlorocyclopentadiene	ug/kg	1570	1010	65	18-118	
Hexachloroethane	ug/kg	1570	1200	76	49-101	
Indeno(1,2,3-cd)pyrene	ug/kg	1570	1290	82	58-108	
Isophorone	ug/kg	1570	1240	79	53-99	
N-Nitroso-di-n-propylamine	ug/kg	1570	1210	77	50-101	
N-Nitrosodiphenylamine	ug/kg	1570	1260	80	58-107	
Naphthalene	ug/kg	1570	1220	78	51-103	
Nitrobenzene	ug/kg	1570	1240	79	51-104	
Pentachlorophenol	ug/kg	1570	1280J	82	43-123	
Phenanthrene	ug/kg	1570	1240	79	58-106	
Phenol	ug/kg	1570	1250	80	53-101	
Pyrene	ug/kg	1570	1290	82	60-108	
Pyridine	ug/kg	1570	905	58	33-72	
2,4,6-Tribromophenol (S)	%			78	41-108	
2-Fluorobiphenyl (S)	%			78	39-136	
2-Fluorophenol (S)	%			73	43-96	
Nitrobenzene-d5 (S)	%			78	33-132	
Phenol-d6 (S)	%			72	43-95	
Terphenyl-d14 (S)	%			83	29-131	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2747546 2747547

Parameter	Units	60349231006 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,2,4-Trichlorobenzene	ug/kg	ND	1870	1940	1460	1490	78	76	42-102	2	26	
1,2-Dichlorobenzene	ug/kg	ND	1870	1940	1390	1430	75	74	45-96	3	31	
1,3-Dichlorobenzene	ug/kg	ND	1870	1940	1370	1400	74	72	44-95	2	31	
1,4-Dichlorobenzene	ug/kg	ND	1870	1940	1410	1440	75	74	45-95	2	30	
2,4,5-Trichlorophenol	ug/kg	ND	1870	1940	1530	1530	82	79	47-109	0	31	
2,4,6-Trichlorophenol	ug/kg	ND	1870	1940	1540	1550	82	80	14-133	1	31	
2,4-Dichlorophenol	ug/kg	ND	1870	1940	1490	1530	80	79	36-111	2	29	
2,4-Dimethylphenol	ug/kg	ND	1870	1940	1480	1500	79	77	22-113	1	32	
2,4-Dinitrophenol	ug/kg	ND	1870	1940	983J	929J	53	48	10-116		35	
2,4-Dinitrotoluene	ug/kg	ND	1870	1940	1510	1520	81	78	10-133	0	32	
2,6-Dinitrotoluene	ug/kg	ND	1870	1940	1510	1520	81	78	17-125	0	25	
2-Chloronaphthalene	ug/kg	ND	1870	1940	1470	1490	79	76	47-105	1	28	
2-Chlorophenol	ug/kg	ND	1870	1940	1460	1470	78	75	44-100	0	31	
2-Methylnaphthalene	ug/kg	ND	1870	1940	1510	1530	81	79	43-104	1	28	
2-Methylphenol(o-Cresol)	ug/kg	ND	1870	1940	1440	1450	77	74	37-105	0	32	
2-Nitroaniline	ug/kg	ND	1870	1940	1540	1520	82	78	44-117	1	28	
2-Nitrophenol	ug/kg	ND	1870	1940	1480	1530	79	78	10-145	3	30	
3&4-Methylphenol(m&p Cresol)	ug/kg	ND	1870	1940	1460	1460	78	75	35-108	0	30	
3,3'-Dichlorobenzidine	ug/kg	ND	1870	1940	1180	1210	63	62	10-133	2	39	
3-Nitroaniline	ug/kg	ND	1870	1940	1350	1310	72	67	10-124	3	27	

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QUALITY CONTROL DATA

Project: PINE LAWN

Pace Project No.: 60349310

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2747546 2747547											
Parameter	Units	60349231006 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	Max RPD	Qual
4,6-Dinitro-2-methylphenol	ug/kg	ND	1870	1940	1230J	1110J	66	57	10-123	30	
4-Bromophenylphenyl ether	ug/kg	ND	1870	1940	1500	1480	80	76	47-109	1	33
4-Chloro-3-methylphenol	ug/kg	ND	1870	1940	1560	1540	83	79	42-109	1	30
4-Chloroaniline	ug/kg	ND	1870	1940	956	965	51	50	10-94	1	33
4-Chlorophenylphenyl ether	ug/kg	ND	1870	1940	1490	1500	80	77	46-106	0	33
4-Nitroaniline	ug/kg	ND	1870	1940	1450	1510	78	77	11-126	4	47
4-Nitrophenol	ug/kg	ND	1870	1940	1550J	1790J	83	92	18-130		35
Acenaphthene	ug/kg	ND	1870	1940	1530	1550	82	80	44-104	1	23
Acenaphthylene	ug/kg	ND	1870	1940	1590	1580	85	81	47-102	1	29
Anthracene	ug/kg	ND	1870	1940	1490	1510	80	77	39-112	1	30
Benzo(a)anthracene	ug/kg	ND	1870	1940	1540	1510	83	78	10-139	2	32
Benzo(a)pyrene	ug/kg	ND	1870	1940	1460	1470	78	76	12-132	1	33
Benzo(b)fluoranthene	ug/kg	ND	1870	1940	1580	1490	85	77	12-136	6	37
Benzo(g,h,i)perylene	ug/kg	ND	1870	1940	1400	1420	75	73	22-119	2	41
Benzo(k)fluoranthene	ug/kg	ND	1870	1940	1450	1580	77	81	32-113	9	32
Benzoic Acid	ug/kg	ND	1870	1940	1890	1580J	101	81	10-101		35
Benzyl alcohol	ug/kg	ND	1870	1940	1470	1450	78	75	46-103	1	31
bis(2-Chloroethoxy)methane	ug/kg	ND	1870	1940	1420	1440	76	74	41-100	1	29
bis(2-Chloroethyl) ether	ug/kg	ND	1870	1940	1410	1420	76	73	46-100	0	32
bis(2-Chloroisopropyl) ether	ug/kg	ND	1870	1940	1450	1450	77	75	40-99	0	29
bis(2-Ethylhexyl)phthalate	ug/kg	ND	1870	1940	1570	1570	84	81	24-141	0	33
Butylbenzylphthalate	ug/kg	ND	1870	1940	1530	1500	82	77	41-131	2	33
Carbazole	ug/kg	ND	1870	1940	1510	1520	81	78	41-107	1	30
Chrysene	ug/kg	ND	1870	1940	1560	1520	83	78	10-137	2	31
Di-n-butylphthalate	ug/kg	ND	1870	1940	1540	1530	82	79	41-118	0	31
Di-n-octylphthalate	ug/kg	ND	1870	1940	1590	1620	85	83	40-138	2	29
Dibenz(a,h)anthracene	ug/kg	ND	1870	1940	1460	1480	78	76	23-122	1	35
Dibenzofuran	ug/kg	ND	1870	1940	1480	1490	79	76	49-101	1	28
Diethylphthalate	ug/kg	ND	1870	1940	1520	1490	81	77	42-107	2	31
Dimethylphthalate	ug/kg	ND	1870	1940	1510	1490	81	77	37-108	1	30
Fluoranthene	ug/kg	ND	1870	1940	1480	1490	79	76	10-139	1	32
Fluorene	ug/kg	ND	1870	1940	1500	1490	80	77	43-108	0	32
Hexachloro-1,3-butadiene	ug/kg	ND	1870	1940	1460	1480	78	76	41-104	2	27
Hexachlorobenzene	ug/kg	ND	1870	1940	1460	1460	78	75	46-105	0	31
Hexachlorocyclopentadiene	ug/kg	ND	1870	1940	1080	1150	58	59	10-111	6	61
Hexachloroethane	ug/kg	ND	1870	1940	1380	1420	74	73	11-119	2	34
Indeno(1,2,3-cd)pyrene	ug/kg	ND	1870	1940	1470	1460	79	75	21-120	1	38
Isophorone	ug/kg	ND	1870	1940	1480	1490	79	76	44-97	1	28
N-Nitroso-di-n-propylamine	ug/kg	ND	1870	1940	1420	1450	76	74	37-108	2	30
N-Nitrosodiphenylamine	ug/kg	ND	1870	1940	1490	1510	80	77	41-108	1	36
Naphthalene	ug/kg	ND	1870	1940	1460	1480	78	76	40-105	1	31
Nitrobenzene	ug/kg	ND	1870	1940	1490	1500	80	77	35-106	1	29
Pentachlorophenol	ug/kg	ND	1870	1940	1640J	1480J	88	76	10-144		35
Phenanthrene	ug/kg	ND	1870	1940	1500	1490	80	77	43-108	1	29
Phenol	ug/kg	ND	1870	1940	1470	1460	79	75	38-102	1	29

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: PINE LAWN

Pace Project No.: 60349310

MATRIX SPIKE & MATRIX SPIKE DUPLICATE:												2747546	2747547			
Parameter	Units	60349231006	MS	MSD	MS	MSD	MS	MSD	% Rec	Limits	RPD	Max	Qual			
		Result	Spike	Spike										Result	Result	% Rec
Pyrene	ug/kg	ND	1870	1940	1570	1520	84	78	10-147		3	38				
Pyridine	ug/kg	ND	1870	1940	895	812	48	42	10-79		10	35				
2,4,6-Tribromophenol (S)	%						78	72	41-108							
2-Fluorobiphenyl (S)	%						80	76	39-136							
2-Fluorophenol (S)	%						72	68	43-96							
Nitrobenzene-d5 (S)	%						80	74	33-132							
Phenol-d6 (S)	%						72	68	43-95							
Terphenyl-d14 (S)	%						84	78	29-131							

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QUALITY CONTROL DATA

Project: PINE LAWN
Pace Project No.: 60349310

QC Batch:	679544	Analysis Method:	EPA 8270
QC Batch Method:	EPA 3546	Analysis Description:	8270 MSSV TPH ORO
		Laboratory:	Pace Analytical Services - Kansas City

Associated Lab Samples: 60349310001, 60349310002, 60349310007

METHOD BLANK: 2747562 Matrix: Solid
Associated Lab Samples: 60349310001, 60349310002, 60349310007

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
TPH-DRO	mg/kg	ND	14.3	10/05/20 12:13	
TPH-ORO	mg/kg	ND	14.3	10/05/20 12:13	
2-Fluorobiphenyl (S)	%	91	39-136	10/05/20 12:13	
Nitrobenzene-d5 (S)	%	84	33-132	10/05/20 12:13	
Terphenyl-d14 (S)	%	100	29-131	10/05/20 12:13	

LABORATORY CONTROL SAMPLE: 2747563

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
TPH-DRO	mg/kg	321	271	84	39-122	
2-Fluorobiphenyl (S)	%			90	39-136	
Nitrobenzene-d5 (S)	%			87	33-132	
Terphenyl-d14 (S)	%			100	29-131	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2747564 2747565

Parameter	Units	60349310001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
TPH-DRO	mg/kg	ND	381	386	301	342	79	89	12-137	13	38	
2-Fluorobiphenyl (S)	%						84	93	39-136			
Nitrobenzene-d5 (S)	%						82	91	33-132			
Terphenyl-d14 (S)	%						92	100	29-131			

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QUALITY CONTROL DATA

Project: PINE LAWN

Pace Project No.: 60349310

QC Batch: 679493

Analysis Method: EPA 8270

QC Batch Method: EPA 3510C

Analysis Description: 8270 MSSV TPH ORO

Laboratory: Pace Analytical Services - Kansas City

Associated Lab Samples: 60349310003, 60349310004, 60349310005

METHOD BLANK: 2747442

Matrix: Water

Associated Lab Samples: 60349310003, 60349310004, 60349310005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
TPH-DRO	mg/L	ND	1.0	09/30/20 14:25	
TPH-ORO	mg/L	ND	1.0	09/30/20 14:25	
2-Fluorobiphenyl (S)	%	57	29-108	09/30/20 14:25	
Nitrobenzene-d5 (S)	%	58	27-106	09/30/20 14:25	
Terphenyl-d14 (S)	%	50	34-129	09/30/20 14:25	

LABORATORY CONTROL SAMPLE: 2747443

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
TPH-DRO	mg/L	100	59.6	60	33-130	
2-Fluorobiphenyl (S)	%			56	29-108	
Nitrobenzene-d5 (S)	%			55	27-106	
Terphenyl-d14 (S)	%			59	34-129	

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QUALITY CONTROL DATA

Project: PINE LAWN

Pace Project No.: 60349310

QC Batch: 679482

Analysis Method: EPA 8270

QC Batch Method: EPA 3510

Analysis Description: 8270 Water MSSV, LV

Laboratory: Pace Analytical Services - Kansas City

Associated Lab Samples: 60349310003, 60349310005

METHOD BLANK: 2747387

Matrix: Water

Associated Lab Samples: 60349310003, 60349310005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,2,4-Trichlorobenzene	ug/L	ND	10.0	09/30/20 11:37	
1,2-Dichlorobenzene	ug/L	ND	10.0	09/30/20 11:37	
1,3-Dichlorobenzene	ug/L	ND	10.0	09/30/20 11:37	
1,4-Dichlorobenzene	ug/L	ND	10.0	09/30/20 11:37	
2,4,5-Trichlorophenol	ug/L	ND	50.0	09/30/20 11:37	
2,4,6-Trichlorophenol	ug/L	ND	10.0	09/30/20 11:37	
2,4-Dichlorophenol	ug/L	ND	10.0	09/30/20 11:37	
2,4-Dimethylphenol	ug/L	ND	10.0	09/30/20 11:37	
2,4-Dinitrophenol	ug/L	ND	50.0	09/30/20 11:37	
2,4-Dinitrotoluene	ug/L	ND	10.0	09/30/20 11:37	
2,6-Dinitrotoluene	ug/L	ND	10.0	09/30/20 11:37	
2-Chloronaphthalene	ug/L	ND	10.0	09/30/20 11:37	
2-Chlorophenol	ug/L	ND	10.0	09/30/20 11:37	
2-Methylnaphthalene	ug/L	ND	10.0	09/30/20 11:37	
2-Methylphenol(o-Cresol)	ug/L	ND	10.0	09/30/20 11:37	
2-Nitroaniline	ug/L	ND	50.0	09/30/20 11:37	
2-Nitrophenol	ug/L	ND	10.0	09/30/20 11:37	
3&4-Methylphenol(m&p Cresol)	ug/L	ND	10.0	09/30/20 11:37	
3,3'-Dichlorobenzidine	ug/L	ND	20.0	09/30/20 11:37	
3-Nitroaniline	ug/L	ND	50.0	09/30/20 11:37	
4,6-Dinitro-2-methylphenol	ug/L	ND	50.0	09/30/20 11:37	
4-Bromophenylphenyl ether	ug/L	ND	10.0	09/30/20 11:37	
4-Chloro-3-methylphenol	ug/L	ND	20.0	09/30/20 11:37	
4-Chloroaniline	ug/L	ND	20.0	09/30/20 11:37	
4-Chlorophenylphenyl ether	ug/L	ND	10.0	09/30/20 11:37	
4-Nitroaniline	ug/L	ND	50.0	09/30/20 11:37	
4-Nitrophenol	ug/L	ND	50.0	09/30/20 11:37	
Acenaphthene	ug/L	ND	10.0	09/30/20 11:37	
Acenaphthylene	ug/L	ND	10.0	09/30/20 11:37	
Anthracene	ug/L	ND	10.0	09/30/20 11:37	
Benzo(a)anthracene	ug/L	ND	10.0	09/30/20 11:37	
Benzo(a)pyrene	ug/L	ND	10.0	09/30/20 11:37	
Benzo(b)fluoranthene	ug/L	ND	10.0	09/30/20 11:37	
Benzo(g,h,i)perylene	ug/L	ND	10.0	09/30/20 11:37	
Benzo(k)fluoranthene	ug/L	ND	10.0	09/30/20 11:37	
Benzoic Acid	ug/L	ND	50.0	09/30/20 11:37	
Benzyl alcohol	ug/L	ND	20.0	09/30/20 11:37	
bis(2-Chloroethoxy)methane	ug/L	ND	10.0	09/30/20 11:37	
bis(2-Chloroethyl) ether	ug/L	ND	10.0	09/30/20 11:37	
bis(2-Chloroisopropyl) ether	ug/L	ND	10.0	09/30/20 11:37	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: PINE LAWN

Pace Project No.: 60349310

METHOD BLANK: 2747387

Matrix: Water

Associated Lab Samples: 60349310003, 60349310005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
bis(2-Ethylhexyl)phthalate	ug/L	ND	20.0	09/30/20 11:37	
Butylbenzylphthalate	ug/L	ND	20.0	09/30/20 11:37	
Carbazole	ug/L	ND	10.0	09/30/20 11:37	
Chrysene	ug/L	ND	10.0	09/30/20 11:37	
Di-n-butylphthalate	ug/L	ND	10.0	09/30/20 11:37	
Di-n-octylphthalate	ug/L	ND	10.0	09/30/20 11:37	
Dibenz(a,h)anthracene	ug/L	ND	10.0	09/30/20 11:37	
Dibenzofuran	ug/L	ND	10.0	09/30/20 11:37	
Diethylphthalate	ug/L	ND	10.0	09/30/20 11:37	
Dimethylphthalate	ug/L	ND	10.0	09/30/20 11:37	
Fluoranthene	ug/L	ND	10.0	09/30/20 11:37	
Fluorene	ug/L	ND	10.0	09/30/20 11:37	
Hexachloro-1,3-butadiene	ug/L	ND	10.0	09/30/20 11:37	
Hexachlorobenzene	ug/L	ND	10.0	09/30/20 11:37	
Hexachlorocyclopentadiene	ug/L	ND	10.0	09/30/20 11:37	
Hexachloroethane	ug/L	ND	10.0	09/30/20 11:37	
Indeno(1,2,3-cd)pyrene	ug/L	ND	10.0	09/30/20 11:37	
Isophorone	ug/L	ND	10.0	09/30/20 11:37	
N-Nitroso-di-n-propylamine	ug/L	ND	10.0	09/30/20 11:37	
N-Nitrosodiphenylamine	ug/L	ND	10.0	09/30/20 11:37	
Naphthalene	ug/L	ND	10.0	09/30/20 11:37	
Nitrobenzene	ug/L	ND	10.0	09/30/20 11:37	
Pentachlorophenol	ug/L	ND	50.0	09/30/20 11:37	
Phenanthrene	ug/L	ND	10.0	09/30/20 11:37	
Phenol	ug/L	ND	10.0	09/30/20 11:37	
Pyrene	ug/L	ND	10.0	09/30/20 11:37	
Pyridine	ug/L	ND	10.0	09/30/20 11:37	
2,4,6-Tribromophenol (S)	%	73	16-114	09/30/20 11:37	
2-Fluorobiphenyl (S)	%	68	29-108	09/30/20 11:37	
2-Fluorophenol (S)	%	44	11-64	09/30/20 11:37	
Nitrobenzene-d5 (S)	%	72	27-106	09/30/20 11:37	
Phenol-d6 (S)	%	29	10-44	09/30/20 11:37	
Terphenyl-d14 (S)	%	89	34-129	09/30/20 11:37	

LABORATORY CONTROL SAMPLE: 2747388

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2,4-Trichlorobenzene	ug/L	50	25.6	51	22-109	
1,2-Dichlorobenzene	ug/L	50	27.2	54	18-107	
1,3-Dichlorobenzene	ug/L	50	25.9	52	16-105	
1,4-Dichlorobenzene	ug/L	50	26.7	53	17-105	
2,4,5-Trichlorophenol	ug/L	50	37.9J	76	25-126	
2,4,6-Trichlorophenol	ug/L	50	36.7	73	23-124	
2,4-Dichlorophenol	ug/L	50	36.5	73	26-116	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: PINE LAWN

Pace Project No.: 60349310

LABORATORY CONTROL SAMPLE: 2747388

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
2,4-Dimethylphenol	ug/L	50	38.0	76	36-98	
2,4-Dinitrophenol	ug/L	50	37.1J	74	11-138	
2,4-Dinitrotoluene	ug/L	50	40.2	80	30-127	
2,6-Dinitrotoluene	ug/L	50	38.8	78	30-125	
2-Chloronaphthalene	ug/L	50	29.6	59	28-115	
2-Chlorophenol	ug/L	50	35.0	70	25-107	
2-Methylnaphthalene	ug/L	50	30.3	61	25-112	
2-Methylphenol(o-Cresol)	ug/L	50	33.2	66	30-94	
2-Nitroaniline	ug/L	50	38.8J	78	29-126	
2-Nitrophenol	ug/L	50	35.3	71	26-122	
3&4-Methylphenol(m&p Cresol)	ug/L	50	30.5	61	26-89	
3,3'-Dichlorobenzidine	ug/L	50	44.5	89	24-140	
3-Nitroaniline	ug/L	50	38.8J	78	30-139	
4,6-Dinitro-2-methylphenol	ug/L	50	35.3J	71	21-135	
4-Bromophenylphenyl ether	ug/L	50	36.8	74	30-121	
4-Chloro-3-methylphenol	ug/L	50	39.1	78	28-117	
4-Chloroaniline	ug/L	50	36.4	73	22-136	
4-Chlorophenylphenyl ether	ug/L	50	35.9	72	30-119	
4-Nitroaniline	ug/L	50	40.6J	81	31-129	
4-Nitrophenol	ug/L	50	18J	36	10-64	
Acenaphthene	ug/L	50	34.4	69	29-117	
Acenaphthylene	ug/L	50	35.4	71	27-119	
Anthracene	ug/L	50	39.2	78	27-124	
Benzo(a)anthracene	ug/L	50	44.0	88	30-124	
Benzo(a)pyrene	ug/L	50	42.3	85	29-123	
Benzo(b)fluoranthene	ug/L	50	44.8	90	29-127	
Benzo(g,h,i)perylene	ug/L	50	43.6	87	30-124	
Benzo(k)fluoranthene	ug/L	50	40.7	81	29-125	
Benzoic Acid	ug/L	50	19.1J	38	10-71	
Benzyl alcohol	ug/L	50	38.2	76	23-105	
bis(2-Chloroethoxy)methane	ug/L	50	35.6	71	29-115	
bis(2-Chloroethyl) ether	ug/L	50	36.6	73	28-114	
bis(2-Chloroisopropyl) ether	ug/L	50	36.3	73	27-114	
bis(2-Ethylhexyl)phthalate	ug/L	50	47.7	95	35-128	
Butylbenzylphthalate	ug/L	50	48.5	97	28-114	
Carbazole	ug/L	50	41.1	82	31-124	
Chrysene	ug/L	50	43.6	87	31-124	
Di-n-butylphthalate	ug/L	50	45.4	91	29-130	
Di-n-octylphthalate	ug/L	50	49.5	99	27-135	
Dibenz(a,h)anthracene	ug/L	50	43.3	87	30-125	
Dibenzofuran	ug/L	50	34.1	68	30-118	
Diethylphthalate	ug/L	50	39.9	80	30-123	
Dimethylphthalate	ug/L	50	39.0	78	29-121	
Fluoranthene	ug/L	50	41.4	83	31-126	
Fluorene	ug/L	50	36.6	73	30-120	
Hexachloro-1,3-butadiene	ug/L	50	24.4	49	14-107	
Hexachlorobenzene	ug/L	50	36.6	73	29-123	

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QUALITY CONTROL DATA

Project: PINE LAWN

Pace Project No.: 60349310

LABORATORY CONTROL SAMPLE: 2747388

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Hexachlorocyclopentadiene	ug/L	50	20.1	40	10-56	
Hexachloroethane	ug/L	50	25.0	50	14-103	
Indeno(1,2,3-cd)pyrene	ug/L	50	43.3	87	29-124	
Isophorone	ug/L	50	38.9	78	29-117	
N-Nitroso-di-n-propylamine	ug/L	50	39.6	79	28-117	
N-Nitrosodiphenylamine	ug/L	50	39.1	78	30-122	
Naphthalene	ug/L	50	30.5	61	25-111	
Nitrobenzene	ug/L	50	35.0	70	28-116	
Pentachlorophenol	ug/L	50	41.8J	84	17-134	
Phenanthrene	ug/L	50	38.4	77	30-121	
Phenol	ug/L	50	15.2	30	10-58	
Pyrene	ug/L	50	41.8	84	31-124	
Pyridine	ug/L	50	15.4	31	10-73	
2,4,6-Tribromophenol (S)	%			80	16-114	
2-Fluorobiphenyl (S)	%			63	29-108	
2-Fluorophenol (S)	%			42	11-64	
Nitrobenzene-d5 (S)	%			71	27-106	
Phenol-d6 (S)	%			29	10-44	
Terphenyl-d14 (S)	%			87	34-129	

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QUALITY CONTROL DATA

Project: PINE LAWN
Pace Project No.: 60349310

QC Batch: 679795	Analysis Method: EPA 8270
QC Batch Method: EPA 3510	Analysis Description: 8270 Water MSSV, LV
	Laboratory: Pace Analytical Services - Kansas City

Associated Lab Samples: 60349310004

METHOD BLANK: 2748452 Matrix: Water

Associated Lab Samples: 60349310004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,2,4-Trichlorobenzene	ug/L	ND	10.0	10/05/20 09:51	
1,2-Dichlorobenzene	ug/L	ND	10.0	10/05/20 09:51	
1,3-Dichlorobenzene	ug/L	ND	10.0	10/05/20 09:51	
1,4-Dichlorobenzene	ug/L	ND	10.0	10/05/20 09:51	
2,4,5-Trichlorophenol	ug/L	ND	50.0	10/05/20 09:51	
2,4,6-Trichlorophenol	ug/L	ND	10.0	10/05/20 09:51	
2,4-Dichlorophenol	ug/L	ND	10.0	10/05/20 09:51	
2,4-Dimethylphenol	ug/L	ND	10.0	10/05/20 09:51	
2,4-Dinitrophenol	ug/L	ND	50.0	10/05/20 09:51	
2,4-Dinitrotoluene	ug/L	ND	10.0	10/05/20 09:51	
2,6-Dinitrotoluene	ug/L	ND	10.0	10/05/20 09:51	
2-Chloronaphthalene	ug/L	ND	10.0	10/05/20 09:51	
2-Chlorophenol	ug/L	ND	10.0	10/05/20 09:51	
2-Methylnaphthalene	ug/L	ND	10.0	10/05/20 09:51	
2-Methylphenol(o-Cresol)	ug/L	ND	10.0	10/05/20 09:51	
2-Nitroaniline	ug/L	ND	50.0	10/05/20 09:51	
2-Nitrophenol	ug/L	ND	10.0	10/05/20 09:51	
3&4-Methylphenol(m&p Cresol)	ug/L	ND	10.0	10/05/20 09:51	
3,3'-Dichlorobenzidine	ug/L	ND	20.0	10/05/20 09:51	
3-Nitroaniline	ug/L	ND	50.0	10/05/20 09:51	
4,6-Dinitro-2-methylphenol	ug/L	ND	50.0	10/05/20 09:51	
4-Bromophenylphenyl ether	ug/L	ND	10.0	10/05/20 09:51	
4-Chloro-3-methylphenol	ug/L	ND	20.0	10/05/20 09:51	
4-Chloroaniline	ug/L	ND	20.0	10/05/20 09:51	
4-Chlorophenylphenyl ether	ug/L	ND	10.0	10/05/20 09:51	
4-Nitroaniline	ug/L	ND	50.0	10/05/20 09:51	
4-Nitrophenol	ug/L	ND	50.0	10/05/20 09:51	
Acenaphthene	ug/L	ND	10.0	10/05/20 09:51	
Acenaphthylene	ug/L	ND	10.0	10/05/20 09:51	
Anthracene	ug/L	ND	10.0	10/05/20 09:51	
Benzo(a)anthracene	ug/L	ND	10.0	10/05/20 09:51	
Benzo(a)pyrene	ug/L	ND	10.0	10/05/20 09:51	
Benzo(b)fluoranthene	ug/L	ND	10.0	10/05/20 09:51	
Benzo(g,h,i)perylene	ug/L	ND	10.0	10/05/20 09:51	
Benzo(k)fluoranthene	ug/L	ND	10.0	10/05/20 09:51	
Benzoic Acid	ug/L	ND	50.0	10/05/20 09:51	
Benzyl alcohol	ug/L	ND	20.0	10/05/20 09:51	
bis(2-Chloroethoxy)methane	ug/L	ND	10.0	10/05/20 09:51	
bis(2-Chloroethyl) ether	ug/L	ND	10.0	10/05/20 09:51	
bis(2-Chloroisopropyl) ether	ug/L	ND	10.0	10/05/20 09:51	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: PINE LAWN

Pace Project No.: 60349310

METHOD BLANK: 2748452

Matrix: Water

Associated Lab Samples: 60349310004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
bis(2-Ethylhexyl)phthalate	ug/L	ND	20.0	10/05/20 09:51	
Butylbenzylphthalate	ug/L	ND	20.0	10/05/20 09:51	
Carbazole	ug/L	ND	10.0	10/05/20 09:51	
Chrysene	ug/L	ND	10.0	10/05/20 09:51	
Di-n-butylphthalate	ug/L	ND	10.0	10/05/20 09:51	
Di-n-octylphthalate	ug/L	ND	10.0	10/05/20 09:51	
Dibenz(a,h)anthracene	ug/L	ND	10.0	10/05/20 09:51	
Dibenzofuran	ug/L	ND	10.0	10/05/20 09:51	
Diethylphthalate	ug/L	ND	10.0	10/05/20 09:51	
Dimethylphthalate	ug/L	ND	10.0	10/05/20 09:51	
Fluoranthene	ug/L	ND	10.0	10/05/20 09:51	
Fluorene	ug/L	ND	10.0	10/05/20 09:51	
Hexachloro-1,3-butadiene	ug/L	ND	10.0	10/05/20 09:51	
Hexachlorobenzene	ug/L	ND	10.0	10/05/20 09:51	
Hexachlorocyclopentadiene	ug/L	ND	10.0	10/05/20 09:51	
Hexachloroethane	ug/L	ND	10.0	10/05/20 09:51	
Indeno(1,2,3-cd)pyrene	ug/L	ND	10.0	10/05/20 09:51	
Isophorone	ug/L	ND	10.0	10/05/20 09:51	
N-Nitroso-di-n-propylamine	ug/L	ND	10.0	10/05/20 09:51	
N-Nitrosodiphenylamine	ug/L	ND	10.0	10/05/20 09:51	
Naphthalene	ug/L	ND	10.0	10/05/20 09:51	
Nitrobenzene	ug/L	ND	10.0	10/05/20 09:51	
Pentachlorophenol	ug/L	ND	50.0	10/05/20 09:51	
Phenanthrene	ug/L	ND	10.0	10/05/20 09:51	
Phenol	ug/L	ND	10.0	10/05/20 09:51	
Pyrene	ug/L	ND	10.0	10/05/20 09:51	
Pyridine	ug/L	ND	10.0	10/05/20 09:51	
2,4,6-Tribromophenol (S)	%	58	16-114	10/05/20 09:51	
2-Fluorobiphenyl (S)	%	56	29-108	10/05/20 09:51	
2-Fluorophenol (S)	%	36	11-64	10/05/20 09:51	
Nitrobenzene-d5 (S)	%	54	27-106	10/05/20 09:51	
Phenol-d6 (S)	%	27	10-44	10/05/20 09:51	
Terphenyl-d14 (S)	%	84	34-129	10/05/20 09:51	

LABORATORY CONTROL SAMPLE: 2748453

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2,4-Trichlorobenzene	ug/L	50	19.9	40	22-109	
1,2-Dichlorobenzene	ug/L	50	19.9	40	18-107	
1,3-Dichlorobenzene	ug/L	50	18.9	38	16-105	
1,4-Dichlorobenzene	ug/L	50	19.0	38	17-105	
2,4,5-Trichlorophenol	ug/L	50	25.8J	52	25-126	
2,4,6-Trichlorophenol	ug/L	50	25.2	50	23-124	
2,4-Dichlorophenol	ug/L	50	23.1	46	26-116	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: PINE LAWN

Pace Project No.: 60349310

LABORATORY CONTROL SAMPLE: 2748453

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
2,4-Dimethylphenol	ug/L	50	22.3	45	36-98	
2,4-Dinitrophenol	ug/L	50	28.9J	58	11-138	
2,4-Dinitrotoluene	ug/L	50	29.6	59	30-127	
2,6-Dinitrotoluene	ug/L	50	26.8	54	30-125	
2-Chloronaphthalene	ug/L	50	23.2	46	28-115	
2-Chlorophenol	ug/L	50	21.5	43	25-107	
2-Methylnaphthalene	ug/L	50	23.2	46	25-112	
2-Methylphenol(o-Cresol)	ug/L	50	20.9	42	30-94	
2-Nitroaniline	ug/L	50	25.9J	52	29-126	
2-Nitrophenol	ug/L	50	23.4	47	26-122	
3&4-Methylphenol(m&p Cresol)	ug/L	50	19.7	39	26-89	
3,3'-Dichlorobenzidine	ug/L	50	31.7	63	24-140	
3-Nitroaniline	ug/L	50	25.6J	51	30-139	
4,6-Dinitro-2-methylphenol	ug/L	50	28.4J	57	21-135	
4-Bromophenylphenyl ether	ug/L	50	26.8	54	30-121	
4-Chloro-3-methylphenol	ug/L	50	25.0	50	28-117	
4-Chloroaniline	ug/L	50	17.3J	35	22-136	
4-Chlorophenylphenyl ether	ug/L	50	25.6	51	30-119	
4-Nitroaniline	ug/L	50	29.8J	60	31-129	
4-Nitrophenol	ug/L	50	18.2J	36	10-64	
Acenaphthene	ug/L	50	25.4	51	29-117	
Acenaphthylene	ug/L	50	26.3	53	27-119	
Anthracene	ug/L	50	28.9	58	27-124	
Benzo(a)anthracene	ug/L	50	36.6	73	30-124	
Benzo(a)pyrene	ug/L	50	35.7	71	29-123	
Benzo(b)fluoranthene	ug/L	50	37.1	74	29-127	
Benzo(g,h,i)perylene	ug/L	50	36.0	72	30-124	
Benzo(k)fluoranthene	ug/L	50	36.1	72	29-125	
Benzoic Acid	ug/L	50	14.9J	30	10-71	
Benzyl alcohol	ug/L	50	22.2	44	23-105	
bis(2-Chloroethoxy)methane	ug/L	50	24.0	48	29-115	
bis(2-Chloroethyl) ether	ug/L	50	22.6	45	28-114	
bis(2-Chloroisopropyl) ether	ug/L	50	23.4	47	27-114	
bis(2-Ethylhexyl)phthalate	ug/L	50	41.1	82	35-128	
Butylbenzylphthalate	ug/L	50	42.5	85	28-114	
Carbazole	ug/L	50	33.6	67	31-124	
Chrysene	ug/L	50	36.4	73	31-124	
Di-n-butylphthalate	ug/L	50	37.2	74	29-130	
Di-n-octylphthalate	ug/L	50	42.8	86	27-135	
Dibenz(a,h)anthracene	ug/L	50	35.8	72	30-125	
Dibenzofuran	ug/L	50	25.2	50	30-118	
Diethylphthalate	ug/L	50	30.8	62	30-123	
Dimethylphthalate	ug/L	50	28.1	56	29-121	
Fluoranthene	ug/L	50	33.4	67	31-126	
Fluorene	ug/L	50	26.5	53	30-120	
Hexachloro-1,3-butadiene	ug/L	50	18.3	37	14-107	
Hexachlorobenzene	ug/L	50	27.3	55	29-123	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: PINE LAWN

Pace Project No.: 60349310

LABORATORY CONTROL SAMPLE: 2748453

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Hexachlorocyclopentadiene	ug/L	50	17.6	35	10-56	
Hexachloroethane	ug/L	50	17.6	35	14-103	
Indeno(1,2,3-cd)pyrene	ug/L	50	35.5	71	29-124	
Isophorone	ug/L	50	25.9	52	29-117	
N-Nitroso-di-n-propylamine	ug/L	50	24.9	50	28-117	
N-Nitrosodiphenylamine	ug/L	50	27.6	55	30-122	
Naphthalene	ug/L	50	22.5	45	25-111	
Nitrobenzene	ug/L	50	23.3	47	28-116	
Pentachlorophenol	ug/L	50	31.7J	63	17-134	
Phenanthrene	ug/L	50	29.9	60	30-121	
Phenol	ug/L	50	11.4	23	10-58	
Pyrene	ug/L	50	34.5	69	31-124	
Pyridine	ug/L	50	ND	5	10-73	1e
2,4,6-Tribromophenol (S)	%			59	16-114	
2-Fluorobiphenyl (S)	%			49	29-108	
2-Fluorophenol (S)	%			30	11-64	
Nitrobenzene-d5 (S)	%			48	27-106	
Phenol-d6 (S)	%			22	10-44	
Terphenyl-d14 (S)	%			74	34-129	

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QUALITY CONTROL DATA

Project: PINE LAWN

Pace Project No.: 60349310

QC Batch: 679004

Analysis Method: ASTM D2974

QC Batch Method: ASTM D2974

Analysis Description: Dry Weight/Percent Moisture

Laboratory: Pace Analytical Services - Kansas City

Associated Lab Samples: 60349310001, 60349310002, 60349310007

METHOD BLANK: 2745353

Matrix: Solid

Associated Lab Samples: 60349310001, 60349310002, 60349310007

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Percent Moisture	%	ND	0.50	09/25/20 11:09	

SAMPLE DUPLICATE: 2745354

Parameter	Units	60349272001 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	50.6	50.6	0	20	

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REPORT OF LABORATORY ANALYSIS

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QUALIFIERS

Project: PINE LAWN
Pace Project No.: 60349310

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.
ND - Not Detected at or above adjusted reporting limit.
TNTC - Too Numerous To Count
J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.
MDL - Adjusted Method Detection Limit.
PQL - Practical Quantitation Limit.
RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.
S - Surrogate
1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.
Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.
LCS(D) - Laboratory Control Sample (Duplicate)
MS(D) - Matrix Spike (Duplicate)
DUP - Sample Duplicate
RPD - Relative Percent Difference
NC - Not Calculable.
SG - Silica Gel - Clean-Up
U - Indicates the compound was analyzed for, but not detected.
N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.
Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.
TNI - The NELAC Institute.

BATCH QUALIFIERS

Batch: 678959

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

ANALYTE QUALIFIERS

1e	Analyte recovery in the laboratory control sample (LCS) was below QC limits. Results for this analyte in associated samples may be biased low. Note: No further action was taken due to sample holding time violations.
D3	Sample was diluted due to the presence of high levels of non-target analytes or other matrix interference.
E	Analyte concentration exceeded the calibration range. The reported result is estimated.
L1	Analyte recovery in the laboratory control sample (LCS) was above QC limits. Results for this analyte in associated samples may be biased high.
L2	Analyte recovery in the laboratory control sample (LCS) was below QC limits. Results for this analyte in associated samples may be biased low.
M1	Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.
P3	Sample extract could not be concentrated to the routine final volume, resulting in elevated reporting limits.
R1	RPD value was outside control limits.
S0	Surrogate recovery outside laboratory control limits.
S2	Surrogate recovery outside laboratory control limits due to matrix interferences (confirmed by similar results from sample re-analysis).
SS	This analyte did not meet the secondary source verification criteria for the initial calibration. The reported result should be considered an estimated value.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: PINE LAWN

Pace Project No.: 60349310

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
60349310001	DPT-15-SO-(29-30)	EPA 3546	679537	EPA 8082	680254
60349310002	DPT-16-SO-(29-30)	EPA 3546	679537	EPA 8082	680254
60349310007	DPT-17-SO-(3-5)	EPA 3546	679537	EPA 8082	680254
60349310003	DPT-11-GW-(25-30)	EPA 3510	680394	EPA 8082	680549
60349310004	DPT-11-GW-(25-30)-FD	EPA 3510	680394	EPA 8082	680549
60349310005	PINE LAWN-FB3	EPA 3510	680394	EPA 8082	680549
60349310001	DPT-15-SO-(29-30)	EPA 3050	680402	EPA 6010	680676
60349310002	DPT-16-SO-(29-30)	EPA 3050	680402	EPA 6010	680676
60349310007	DPT-17-SO-(3-5)	EPA 3050	680402	EPA 6010	680676
60349310003	DPT-11-GW-(25-30)	EPA 3010	680575	EPA 6010	680761
60349310004	DPT-11-GW-(25-30)-FD	EPA 3010	680575	EPA 6010	680761
60349310005	PINE LAWN-FB3	EPA 3010	680575	EPA 6010	680761
60349310003	DPT-11-GW-(25-30)	EPA 3010	680725	EPA 6010	680745
60349310004	DPT-11-GW-(25-30)-FD	EPA 3010	680725	EPA 6010	680745
60349310005	PINE LAWN-FB3	EPA 3010	680725	EPA 6010	680745
60349310003	DPT-11-GW-(25-30)	EPA 7470	679620	EPA 7470	679743
60349310004	DPT-11-GW-(25-30)-FD	EPA 7470	679620	EPA 7470	679743
60349310005	PINE LAWN-FB3	EPA 7470	679620	EPA 7470	679743
60349310003	DPT-11-GW-(25-30)	EPA 7470	679617	EPA 7470	679742
60349310004	DPT-11-GW-(25-30)-FD	EPA 7470	679617	EPA 7470	679742
60349310005	PINE LAWN-FB3	EPA 7470	679617	EPA 7470	679742
60349310001	DPT-15-SO-(29-30)	EPA 7471	679970	EPA 7471	680181
60349310002	DPT-16-SO-(29-30)	EPA 7471	679970	EPA 7471	680181
60349310007	DPT-17-SO-(3-5)	EPA 7471	679970	EPA 7471	680181
60349310001	DPT-15-SO-(29-30)	EPA 3546	679538	EPA 8270	679906
60349310002	DPT-16-SO-(29-30)	EPA 3546	679538	EPA 8270	679906
60349310007	DPT-17-SO-(3-5)	EPA 3546	679538	EPA 8270	679906
60349310001	DPT-15-SO-(29-30)	EPA 3546	679544	EPA 8270	680716
60349310002	DPT-16-SO-(29-30)	EPA 3546	679544	EPA 8270	680716
60349310007	DPT-17-SO-(3-5)	EPA 3546	679544	EPA 8270	680716
60349310003	DPT-11-GW-(25-30)	EPA 3510C	679493	EPA 8270	679857
60349310004	DPT-11-GW-(25-30)-FD	EPA 3510C	679493	EPA 8270	679857
60349310005	PINE LAWN-FB3	EPA 3510C	679493	EPA 8270	679857
60349310003	DPT-11-GW-(25-30)	EPA 3510	679482	EPA 8270	679841
60349310004	DPT-11-GW-(25-30)-FD	EPA 3510	679795	EPA 8270	680727
60349310005	PINE LAWN-FB3	EPA 3510	679482	EPA 8270	679841
60349310001	DPT-15-SO-(29-30)	EPA 5035A/5030	679108	EPA 8260B	679119
60349310002	DPT-16-SO-(29-30)	EPA 5035A/5030	679108	EPA 8260B	679119
60349310007	DPT-17-SO-(3-5)	EPA 5035A/5030	679569	EPA 8260B	679647
60349310003	DPT-11-GW-(25-30)	EPA 5030B/8260	678965		
60349310004	DPT-11-GW-(25-30)-FD	EPA 5030B/8260	678965		

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: PINE LAWN

Pace Project No.: 60349310

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
60349310005	PINE LAWN-FB3	EPA 5030B/8260	678965		
60349310006	PINE LAWN-GW-TB6	EPA 5030B/8260	678965		
60349310003	DPT-11-GW-(25-30)	EPA 8260	679955		
60349310004	DPT-11-GW-(25-30)-FD	EPA 8260	679955		
60349310005	PINE LAWN-FB3	EPA 8260	678959		
60349310001	DPT-15-SO-(29-30)	EPA 5035	679040	EPA 8260	679118
60349310002	DPT-16-SO-(29-30)	EPA 5035	679040	EPA 8260	679118
60349310007	DPT-17-SO-(3-5)	EPA 5035	679572	EPA 8260	679648
60349310001	DPT-15-SO-(29-30)	ASTM D2974	679004		
60349310002	DPT-16-SO-(29-30)	ASTM D2974	679004		
60349310007	DPT-17-SO-(3-5)	ASTM D2974	679004		

REPORT OF LABORATORY ANALYSIS

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**Sample Condition Upon Receipt****WO#: 60349310**Client Name: TetraTechCourier: FedEx ☐ UPS ☐ VIA ☐ Clay ☐ PEX ☐ ECI ☐ Pace ☐ Xroads ☒ Client ☐ Other ☐Tracking #: _____ Pace Shipping Label Used? Yes ☐ No ☒Custody Seal on Cooler/Box Present: Yes ☒ No ☐ Seals intact: Yes ☒ No ☐Packing Material: Bubble Wrap ☐ Bubble Bags ☒ Foam ☒ None ☐ Other ☐Thermometer Used: T2916 Type of Ice: Wet ☒ Blue ☐ None ☐Cooler Temperature (°C): As-read 3.8 Corr. Factor -0.4 Corrected 3.4Date and initials of person examining contents: 9/24/20 HT

Temperature should be above freezing to 6°C

Chain of Custody present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Chain of Custody relinquished:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Samples arrived within holding time:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Short Hold Time analyses (<72hr):	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	
Rush Turn Around Time requested:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	
Sufficient volume:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Correct containers used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Pace containers used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Containers intact:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Unpreserved 5035A / TX1005/1006 soils frozen in 48hrs?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	
Filtered volume received for dissolved tests?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Sample labels match COC: Date / time / ID / analyses	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Samples contain multiple phases? Matrix: <u>SU/WT</u>	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	
Containers requiring pH preservation in compliance? (HNO ₃ , H ₂ SO ₄ , HCl<2; NaOH>9 Sulfide, NaOH>10 Cyanide) (Exceptions: VOA, Micro, O&G, KS TPH, OK-DRO) LOT# <u>603173</u>	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	List sample IDs, volumes, lot #'s of preservative and the date/time added.
Cyanide water sample checks:		
Lead acetate strip turns dark? (Record only)	<input type="checkbox"/> Yes <input type="checkbox"/> No	
Potassium iodide test strip turns blue/purple? (Preserve)	<input type="checkbox"/> Yes <input type="checkbox"/> No	
Trip Blank present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	<u>2 HCl water trips</u>
Headspace in VOA vials (>6mm):	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	
Samples from USDA Regulated Area: State: <u>mo</u>	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	
Additional labels attached to 5035A / TX1005 vials in the field?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	

Client Notification/ Resolution:

Copy COC to Client? Y / N

Field Data Required? Y / N

Person Contacted: _____

Date/Time: _____

Comments/ Resolution: _____

Project Manager Review:

Jeffrey Shopper

Date: _____

Page: of

60349310
Pace Project No./La

PRINT Name of SAMPLER: Thomas Haley & Stephanie Calkins

SIGNATURE of SAMPLER: *Thomas Haley* DATE Signed (MM/DD/YYYY): 09/23/20

October 06, 2020

Kaitlyn Mitchell
Tetra Tech EMI
415 Oak
Kansas City, MO 64106

RE: Project: PINE LAWN
Pace Project No.: 60349351

Dear Kaitlyn Mitchell:

Enclosed are the analytical results for sample(s) received by the laboratory on September 24, 2020. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

- Pace Analytical Services - Kansas City

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

Sincerely,



Jeffrey Shopper
jeff.shopper@pacelabs.com
1(913)563-1408
Project Manager

Enclosures



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: PINE LAWN

Pace Project No.: 60349351

Pace Analytical Services Kansas

9608 Loiret Boulevard, Lenexa, KS 66219

Missouri Inorganic Drinking Water Certification #: 10090

Arkansas Drinking Water

Arkansas Certification #: 20-020-0

Arkansas Drinking Water

Illinois Certification #: 200030

Iowa Certification #: 118

Kansas/NELAP Certification #: E-10116

Louisiana Certification #: 03055

Nevada Certification #: KS000212020-2

Oklahoma Certification #: 9205/9935

Florida: Cert E871149 SEKS WET

Texas Certification #: T104704407-19-12

Utah Certification #: KS000212019-9

Illinois Certification #: 004592

Kansas Field Laboratory Accreditation: # E-92587

Missouri SEKS Micro Certification: 10070

REPORT OF LABORATORY ANALYSIS

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SAMPLE SUMMARY

Project: PINE LAWN

Pace Project No.: 60349351

Lab ID	Sample ID	Matrix	Date Collected	Date Received
60349351001	DPT-18-SO-(29-30)	Solid	09/23/20 16:11	09/24/20 04:44
60349351002	DPT-19-SO-(29-30)	Solid	09/23/20 16:38	09/24/20 04:44
60349351003	DPT-20-SO-(10-11)	Solid	09/23/20 17:07	09/24/20 04:44
60349351004	DPT-21-SO-(15-16)	Solid	09/23/20 17:45	09/24/20 04:44
60349351005	DPT-21-SO-(15-16)-FD	Solid	09/23/20 17:45	09/24/20 04:44
60349351006	PINE LAWN-SO-TB7	Solid	09/23/20 18:07	09/24/20 04:44

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SAMPLE ANALYTE COUNT

Project: PINE LAWN

Pace Project No.: 60349351

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
60349351001	DPT-18-SO-(29-30)	EPA 8082	AJB1	8	PASI-K
		EPA 6010	TDS	7	PASI-K
		EPA 7471	MRV	1	PASI-K
		EPA 8270	JMT	73	PASI-K
		EPA 8270	NAW	5	PASI-K
		EPA 8260B	RAD	68	PASI-K
		EPA 8260	RAD	4	PASI-K
		ASTM D2974	DWC	1	PASI-K
60349351002	DPT-19-SO-(29-30)	EPA 8082	AJB1	8	PASI-K
		EPA 6010	TDS	7	PASI-K
		EPA 7471	MRV	1	PASI-K
		EPA 8270	JMT	73	PASI-K
		EPA 8270	NAW	5	PASI-K
		EPA 8260B	RAD	68	PASI-K
		EPA 8260	RAD	4	PASI-K
		ASTM D2974	DWC	1	PASI-K
60349351003	DPT-20-SO-(10-11)	EPA 8082	AJB1	8	PASI-K
		EPA 6010	TDS	7	PASI-K
		EPA 7471	MRV	1	PASI-K
		EPA 8270	JMT	73	PASI-K
		EPA 8270	NAW	5	PASI-K
		EPA 8260B	RAD	68	PASI-K
		EPA 5035A/8260	RAD	4	PASI-K
		ASTM D2974	DWC	1	PASI-K
60349351004	DPT-21-SO-(15-16)	EPA 8082	AJB1	8	PASI-K
		EPA 6010	TDS	7	PASI-K
		EPA 7471	MRV	1	PASI-K
		EPA 8270	JMT	73	PASI-K
		EPA 8270	NAW	5	PASI-K
		EPA 8260B	RAD	68	PASI-K
		EPA 5035A/8260	RAD	4	PASI-K
		ASTM D2974	DWC	1	PASI-K
60349351005	DPT-21-SO-(15-16)-FD	EPA 8082	AJB1	8	PASI-K
		EPA 6010	TDS	7	PASI-K
		EPA 7471	MRV	1	PASI-K
		EPA 8270	JMT	73	PASI-K
		EPA 8270	NAW	5	PASI-K

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SAMPLE ANALYTE COUNT

Project: PINE LAWN

Pace Project No.: 60349351

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
60349351006	PINE LAWN-SO-TB7	EPA 8260B	RAD	68	PASI-K
		EPA 5035A/8260	RAD	4	PASI-K
		ASTM D2974	DWC	1	PASI-K
		EPA 8260B	RAD	68	PASI-K

PASI-K = Pace Analytical Services - Kansas City

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: PINE LAWN

Pace Project No.: 60349351

Sample: DPT-18-SO-(29-30) **Lab ID: 60349351001** Collected: 09/23/20 16:11 Received: 09/24/20 04:44 Matrix: Solid

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

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8082 GCS PCB SW								
Analytical Method: EPA 8082 Preparation Method: EPA 3546								
Pace Analytical Services - Kansas City								
PCB-1016 (Aroclor 1016)	ND	ug/kg	43.2	1	09/30/20 15:02	10/02/20 12:57	12674-11-2	
PCB-1221 (Aroclor 1221)	ND	ug/kg	43.2	1	09/30/20 15:02	10/02/20 12:57	11104-28-2	
PCB-1232 (Aroclor 1232)	ND	ug/kg	43.2	1	09/30/20 15:02	10/02/20 12:57	11141-16-5	
PCB-1242 (Aroclor 1242)	ND	ug/kg	43.2	1	09/30/20 15:02	10/02/20 12:57	53469-21-9	
PCB-1248 (Aroclor 1248)	ND	ug/kg	43.2	1	09/30/20 15:02	10/02/20 12:57	12672-29-6	
PCB-1254 (Aroclor 1254)	ND	ug/kg	43.2	1	09/30/20 15:02	10/02/20 12:57	11097-69-1	
PCB-1260 (Aroclor 1260)	ND	ug/kg	43.2	1	09/30/20 15:02	10/02/20 12:57	11096-82-5	
Surrogates								
Decachlorobiphenyl (S)	87	%	28-143	1	09/30/20 15:02	10/02/20 12:57	2051-24-3	
6010 MET ICP Red. Interference								
Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Pace Analytical Services - Kansas City								
Arsenic	10.3	mg/kg	0.81	1	10/02/20 10:03	10/05/20 20:33	7440-38-2	
Barium	68.0	mg/kg	0.41	1	10/02/20 10:03	10/05/20 20:33	7440-39-3	
Cadmium	1.2	mg/kg	0.41	1	10/02/20 10:03	10/05/20 20:33	7440-43-9	
Chromium	33.5	mg/kg	0.41	1	10/02/20 10:03	10/05/20 20:33	7440-47-3	
Lead	20.5	mg/kg	0.81	1	10/02/20 10:03	10/05/20 20:33	7439-92-1	
Selenium	ND	mg/kg	1.2	1	10/02/20 10:03	10/05/20 20:33	7782-49-2	
Silver	ND	mg/kg	0.57	1	10/02/20 10:03	10/05/20 20:33	7440-22-4	
7471 Mercury								
Analytical Method: EPA 7471 Preparation Method: EPA 7471								
Pace Analytical Services - Kansas City								
Mercury	0.068	mg/kg	0.056	1	09/30/20 18:07	10/01/20 13:14	7439-97-6	
8270 MSSV Semivolatiles								
Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Pace Analytical Services - Kansas City								
Acenaphthene	ND	ug/kg	387	1	09/29/20 13:22	09/30/20 20:39	83-32-9	
Acenaphthylene	ND	ug/kg	387	1	09/29/20 13:22	09/30/20 20:39	208-96-8	
Anthracene	ND	ug/kg	387	1	09/29/20 13:22	09/30/20 20:39	120-12-7	
Benzo(a)anthracene	ND	ug/kg	387	1	09/29/20 13:22	09/30/20 20:39	56-55-3	
Benzo(a)pyrene	ND	ug/kg	387	1	09/29/20 13:22	09/30/20 20:39	50-32-8	
Benzo(b)fluoranthene	ND	ug/kg	387	1	09/29/20 13:22	09/30/20 20:39	205-99-2	
Benzo(g,h,i)perylene	ND	ug/kg	387	1	09/29/20 13:22	09/30/20 20:39	191-24-2	
Benzo(k)fluoranthene	ND	ug/kg	387	1	09/29/20 13:22	09/30/20 20:39	207-08-9	
Benzoic Acid	ND	ug/kg	1960	1	09/29/20 13:22	09/30/20 20:39	65-85-0	L1
Benzyl alcohol	ND	ug/kg	775	1	09/29/20 13:22	09/30/20 20:39	100-51-6	
4-Bromophenylphenyl ether	ND	ug/kg	387	1	09/29/20 13:22	09/30/20 20:39	101-55-3	
Butylbenzylphthalate	ND	ug/kg	387	1	09/29/20 13:22	09/30/20 20:39	85-68-7	
Carbazole	ND	ug/kg	387	1	09/29/20 13:22	09/30/20 20:39	86-74-8	
4-Chloro-3-methylphenol	ND	ug/kg	775	1	09/29/20 13:22	09/30/20 20:39	59-50-7	
4-Chloroaniline	ND	ug/kg	775	1	09/29/20 13:22	09/30/20 20:39	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/kg	387	1	09/29/20 13:22	09/30/20 20:39	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/kg	387	1	09/29/20 13:22	09/30/20 20:39	111-44-4	
bis(2-Chloroisopropyl) ether	ND	ug/kg	387	1	09/29/20 13:22	09/30/20 20:39	108-60-1	
2-Chloronaphthalene	ND	ug/kg	387	1	09/29/20 13:22	09/30/20 20:39	91-58-7	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: PINE LAWN

Pace Project No.: 60349351

Sample: DPT-18-SO-(29-30) **Lab ID: 60349351001** Collected: 09/23/20 16:11 Received: 09/24/20 04:44 Matrix: Solid

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

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Semivolatiles		Analytical Method: EPA 8270 Preparation Method: EPA 3546 Pace Analytical Services - Kansas City						
2-Chlorophenol	ND	ug/kg	387	1	09/29/20 13:22	09/30/20 20:39	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/kg	387	1	09/29/20 13:22	09/30/20 20:39	7005-72-3	
Chrysene	ND	ug/kg	387	1	09/29/20 13:22	09/30/20 20:39	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	387	1	09/29/20 13:22	09/30/20 20:39	53-70-3	
Dibenzofuran	ND	ug/kg	387	1	09/29/20 13:22	09/30/20 20:39	132-64-9	
1,2-Dichlorobenzene	ND	ug/kg	387	1	09/29/20 13:22	09/30/20 20:39	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	387	1	09/29/20 13:22	09/30/20 20:39	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	387	1	09/29/20 13:22	09/30/20 20:39	106-46-7	
3,3'-Dichlorobenzidine	ND	ug/kg	775	1	09/29/20 13:22	09/30/20 20:39	91-94-1	
2,4-Dichlorophenol	ND	ug/kg	387	1	09/29/20 13:22	09/30/20 20:39	120-83-2	
Diethylphthalate	ND	ug/kg	387	1	09/29/20 13:22	09/30/20 20:39	84-66-2	
2,4-Dimethylphenol	ND	ug/kg	387	1	09/29/20 13:22	09/30/20 20:39	105-67-9	
Dimethylphthalate	ND	ug/kg	387	1	09/29/20 13:22	09/30/20 20:39	131-11-3	
Di-n-butylphthalate	ND	ug/kg	387	1	09/29/20 13:22	09/30/20 20:39	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/kg	1960	1	09/29/20 13:22	09/30/20 20:39	534-52-1	
2,4-Dinitrophenol	ND	ug/kg	1960	1	09/29/20 13:22	09/30/20 20:39	51-28-5	
2,4-Dinitrotoluene	ND	ug/kg	387	1	09/29/20 13:22	09/30/20 20:39	121-14-2	
2,6-Dinitrotoluene	ND	ug/kg	387	1	09/29/20 13:22	09/30/20 20:39	606-20-2	
Di-n-octylphthalate	ND	ug/kg	387	1	09/29/20 13:22	09/30/20 20:39	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/kg	387	1	09/29/20 13:22	09/30/20 20:39	117-81-7	
Fluoranthene	ND	ug/kg	387	1	09/29/20 13:22	09/30/20 20:39	206-44-0	
Fluorene	ND	ug/kg	387	1	09/29/20 13:22	09/30/20 20:39	86-73-7	
Hexachloro-1,3-butadiene	ND	ug/kg	387	1	09/29/20 13:22	09/30/20 20:39	87-68-3	
Hexachlorobenzene	ND	ug/kg	387	1	09/29/20 13:22	09/30/20 20:39	118-74-1	
Hexachlorocyclopentadiene	ND	ug/kg	387	1	09/29/20 13:22	09/30/20 20:39	77-47-4	
Hexachloroethane	ND	ug/kg	387	1	09/29/20 13:22	09/30/20 20:39	67-72-1	
Indeno(1,2,3-cd)pyrene	ND	ug/kg	387	1	09/29/20 13:22	09/30/20 20:39	193-39-5	
Isophorone	ND	ug/kg	387	1	09/29/20 13:22	09/30/20 20:39	78-59-1	
2-Methylnaphthalene	ND	ug/kg	387	1	09/29/20 13:22	09/30/20 20:39	91-57-6	
2-Methylphenol(o-Cresol)	ND	ug/kg	387	1	09/29/20 13:22	09/30/20 20:39	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/kg	387	1	09/29/20 13:22	09/30/20 20:39	15831-10-4	
Naphthalene	ND	ug/kg	387	1	09/29/20 13:22	09/30/20 20:39	91-20-3	
2-Nitroaniline	ND	ug/kg	775	1	09/29/20 13:22	09/30/20 20:39	88-74-4	
3-Nitroaniline	ND	ug/kg	775	1	09/29/20 13:22	09/30/20 20:39	99-09-2	
4-Nitroaniline	ND	ug/kg	775	1	09/29/20 13:22	09/30/20 20:39	100-01-6	
Nitrobenzene	ND	ug/kg	387	1	09/29/20 13:22	09/30/20 20:39	98-95-3	
2-Nitrophenol	ND	ug/kg	387	1	09/29/20 13:22	09/30/20 20:39	88-75-5	
4-Nitrophenol	ND	ug/kg	1960	1	09/29/20 13:22	09/30/20 20:39	100-02-7	
N-Nitroso-di-n-propylamine	ND	ug/kg	387	1	09/29/20 13:22	09/30/20 20:39	621-64-7	
N-Nitrosodiphenylamine	ND	ug/kg	387	1	09/29/20 13:22	09/30/20 20:39	86-30-6	
Pentachlorophenol	ND	ug/kg	1960	1	09/29/20 13:22	09/30/20 20:39	87-86-5	
Phenanthrene	ND	ug/kg	387	1	09/29/20 13:22	09/30/20 20:39	85-01-8	
Phenol	ND	ug/kg	387	1	09/29/20 13:22	09/30/20 20:39	108-95-2	
Pyrene	ND	ug/kg	387	1	09/29/20 13:22	09/30/20 20:39	129-00-0	
Pyridine	ND	ug/kg	387	1	09/29/20 13:22	09/30/20 20:39	110-86-1	

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ANALYTICAL RESULTS

Project: PINE LAWN

Pace Project No.: 60349351

Sample: DPT-18-SO-(29-30) Lab ID: 60349351001 Collected: 09/23/20 16:11 Received: 09/24/20 04:44 Matrix: Solid

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

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Semivolatiles								
Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Pace Analytical Services - Kansas City								
1,2,4-Trichlorobenzene	ND	ug/kg	387	1	09/29/20 13:22	09/30/20 20:39	120-82-1	
2,4,5-Trichlorophenol	ND	ug/kg	387	1	09/29/20 13:22	09/30/20 20:39	95-95-4	
2,4,6-Trichlorophenol	ND	ug/kg	387	1	09/29/20 13:22	09/30/20 20:39	88-06-2	
Surrogates								
Nitrobenzene-d5 (S)	67	%	33-132	1	09/29/20 13:22	09/30/20 20:39	4165-60-0	
2-Fluorobiphenyl (S)	68	%	39-136	1	09/29/20 13:22	09/30/20 20:39	321-60-8	
Terphenyl-d14 (S)	71	%	29-131	1	09/29/20 13:22	09/30/20 20:39	1718-51-0	
Phenol-d6 (S)	64	%	43-95	1	09/29/20 13:22	09/30/20 20:39	13127-88-3	
2-Fluorophenol (S)	64	%	43-96	1	09/29/20 13:22	09/30/20 20:39	367-12-4	
2,4,6-Tribromophenol (S)	67	%	41-108	1	09/29/20 13:22	09/30/20 20:39	118-79-6	
8270 MSSV DRO/ORO								
Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Pace Analytical Services - Kansas City								
TPH-ORO	ND	mg/kg	17.6	1	09/30/20 14:55	10/05/20 14:31		
TPH-DRO	ND	mg/kg	17.6	1	09/30/20 14:55	10/05/20 14:31		
Surrogates								
Nitrobenzene-d5 (S)	82	%	33-132	1	09/30/20 14:55	10/05/20 14:31	4165-60-0	
2-Fluorobiphenyl (S)	88	%	39-136	1	09/30/20 14:55	10/05/20 14:31	321-60-8	
Terphenyl-d14 (S)	91	%	29-131	1	09/30/20 14:55	10/05/20 14:31	1718-51-0	
8260 MSV 5035A VOA								
Analytical Method: EPA 8260B Preparation Method: EPA 5035A/5030								
Pace Analytical Services - Kansas City								
Acetone	ND	ug/kg	15.0	1	09/28/20 13:13	09/28/20 21:12	67-64-1	
Benzene	ND	ug/kg	3.8	1	09/28/20 13:13	09/28/20 21:12	71-43-2	
Bromobenzene	ND	ug/kg	3.8	1	09/28/20 13:13	09/28/20 21:12	108-86-1	
Bromochloromethane	ND	ug/kg	3.8	1	09/28/20 13:13	09/28/20 21:12	74-97-5	
Bromodichloromethane	ND	ug/kg	3.8	1	09/28/20 13:13	09/28/20 21:12	75-27-4	
Bromoform	ND	ug/kg	3.8	1	09/28/20 13:13	09/28/20 21:12	75-25-2	
Bromomethane	ND	ug/kg	3.8	1	09/28/20 13:13	09/28/20 21:12	74-83-9	
2-Butanone (MEK)	ND	ug/kg	7.5	1	09/28/20 13:13	09/28/20 21:12	78-93-3	
n-Butylbenzene	ND	ug/kg	3.8	1	09/28/20 13:13	09/28/20 21:12	104-51-8	
sec-Butylbenzene	ND	ug/kg	3.8	1	09/28/20 13:13	09/28/20 21:12	135-98-8	
tert-Butylbenzene	ND	ug/kg	18.8	1	09/28/20 13:13	09/28/20 21:12	98-06-6	
Carbon disulfide	ND	ug/kg	3.8	1	09/28/20 13:13	09/28/20 21:12	75-15-0	
Carbon tetrachloride	ND	ug/kg	3.8	1	09/28/20 13:13	09/28/20 21:12	56-23-5	
Chlorobenzene	ND	ug/kg	3.8	1	09/28/20 13:13	09/28/20 21:12	108-90-7	
Chloroethane	ND	ug/kg	3.8	1	09/28/20 13:13	09/28/20 21:12	75-00-3	
Chloroform	ND	ug/kg	3.8	1	09/28/20 13:13	09/28/20 21:12	67-66-3	
Chloromethane	ND	ug/kg	3.8	1	09/28/20 13:13	09/28/20 21:12	74-87-3	
2-Chlorotoluene	ND	ug/kg	3.8	1	09/28/20 13:13	09/28/20 21:12	95-49-8	
4-Chlorotoluene	ND	ug/kg	3.8	1	09/28/20 13:13	09/28/20 21:12	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/kg	7.5	1	09/28/20 13:13	09/28/20 21:12	96-12-8	
Dibromochloromethane	ND	ug/kg	3.8	1	09/28/20 13:13	09/28/20 21:12	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	3.8	1	09/28/20 13:13	09/28/20 21:12	106-93-4	
Dibromomethane	ND	ug/kg	3.8	1	09/28/20 13:13	09/28/20 21:12	74-95-3	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: PINE LAWN

Pace Project No.: 60349351

Sample: DPT-18-SO-(29-30) **Lab ID: 60349351001** Collected: 09/23/20 16:11 Received: 09/24/20 04:44 Matrix: Solid

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

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035A VOA								
Analytical Method: EPA 8260B Preparation Method: EPA 5035A/5030								
Pace Analytical Services - Kansas City								
1,2-Dichlorobenzene	ND	ug/kg	3.8	1	09/28/20 13:13	09/28/20 21:12	95-50-1	SS
1,3-Dichlorobenzene	ND	ug/kg	3.8	1	09/28/20 13:13	09/28/20 21:12	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	3.8	1	09/28/20 13:13	09/28/20 21:12	106-46-7	
Dichlorodifluoromethane	ND	ug/kg	3.8	1	09/28/20 13:13	09/28/20 21:12	75-71-8	
1,1-Dichloroethane	ND	ug/kg	3.8	1	09/28/20 13:13	09/28/20 21:12	75-34-3	
1,2-Dichloroethane	ND	ug/kg	3.8	1	09/28/20 13:13	09/28/20 21:12	107-06-2	
1,2-Dichloroethene (Total)	ND	ug/kg	3.8	1	09/28/20 13:13	09/28/20 21:12	540-59-0	
1,1-Dichloroethene	ND	ug/kg	3.8	1	09/28/20 13:13	09/28/20 21:12	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	3.8	1	09/28/20 13:13	09/28/20 21:12	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	3.8	1	09/28/20 13:13	09/28/20 21:12	156-60-5	
1,2-Dichloropropane	ND	ug/kg	3.8	1	09/28/20 13:13	09/28/20 21:12	78-87-5	
1,3-Dichloropropane	ND	ug/kg	3.8	1	09/28/20 13:13	09/28/20 21:12	142-28-9	
2,2-Dichloropropane	ND	ug/kg	3.8	1	09/28/20 13:13	09/28/20 21:12	594-20-7	
1,1-Dichloropropene	ND	ug/kg	3.8	1	09/28/20 13:13	09/28/20 21:12	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	3.8	1	09/28/20 13:13	09/28/20 21:12	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	3.8	1	09/28/20 13:13	09/28/20 21:12	10061-02-6	
Ethylbenzene	ND	ug/kg	3.8	1	09/28/20 13:13	09/28/20 21:12	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/kg	3.8	1	09/28/20 13:13	09/28/20 21:12	87-68-3	
2-Hexanone	ND	ug/kg	15.0	1	09/28/20 13:13	09/28/20 21:12	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/kg	3.8	1	09/28/20 13:13	09/28/20 21:12	98-82-8	
p-Isopropyltoluene	ND	ug/kg	3.8	1	09/28/20 13:13	09/28/20 21:12	99-87-6	
Methylene Chloride	ND	ug/kg	3.8	1	09/28/20 13:13	09/28/20 21:12	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	7.5	1	09/28/20 13:13	09/28/20 21:12	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	3.8	1	09/28/20 13:13	09/28/20 21:12	1634-04-4	
Naphthalene	ND	ug/kg	7.5	1	09/28/20 13:13	09/28/20 21:12	91-20-3	
n-Propylbenzene	ND	ug/kg	3.8	1	09/28/20 13:13	09/28/20 21:12	103-65-1	
Styrene	ND	ug/kg	3.8	1	09/28/20 13:13	09/28/20 21:12	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	3.8	1	09/28/20 13:13	09/28/20 21:12	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	3.8	1	09/28/20 13:13	09/28/20 21:12	79-34-5	
Tetrachloroethene	ND	ug/kg	3.8	1	09/28/20 13:13	09/28/20 21:12	127-18-4	
Toluene	ND	ug/kg	3.8	1	09/28/20 13:13	09/28/20 21:12	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	3.8	1	09/28/20 13:13	09/28/20 21:12	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	3.8	1	09/28/20 13:13	09/28/20 21:12	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	3.8	1	09/28/20 13:13	09/28/20 21:12	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	3.8	1	09/28/20 13:13	09/28/20 21:12	79-00-5	
Trichloroethene	ND	ug/kg	3.8	1	09/28/20 13:13	09/28/20 21:12	79-01-6	
Trichlorofluoromethane	ND	ug/kg	3.8	1	09/28/20 13:13	09/28/20 21:12	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	3.8	1	09/28/20 13:13	09/28/20 21:12	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/kg	3.8	1	09/28/20 13:13	09/28/20 21:12	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	3.8	1	09/28/20 13:13	09/28/20 21:12	108-67-8	
Vinyl chloride	ND	ug/kg	3.8	1	09/28/20 13:13	09/28/20 21:12	75-01-4	
Xylene (Total)	ND	ug/kg	3.8	1	09/28/20 13:13	09/28/20 21:12	1330-20-7	
Surrogates								
Toluene-d8 (S)	99	%	80-120	1	09/28/20 13:13	09/28/20 21:12	2037-26-5	
4-Bromofluorobenzene (S)	96	%	85-115	1	09/28/20 13:13	09/28/20 21:12	460-00-4	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: PINE LAWN

Pace Project No.: 60349351

Sample: DPT-18-SO-(29-30) **Lab ID:** 60349351001 Collected: 09/23/20 16:11 Received: 09/24/20 04:44 Matrix: Solid

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

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035A VOA								
Analytical Method: EPA 8260B Preparation Method: EPA 5035A/5030								
Pace Analytical Services - Kansas City								
Surrogates								
1,2-Dichloroethane-d4 (S)	110	%	78-118	1	09/28/20 13:13	09/28/20 21:12	17060-07-0	
8260 MSV GRO and Oxygenates								
Analytical Method: EPA 8260 Preparation Method: EPA 5035								
Pace Analytical Services - Kansas City								
TPH-GRO	ND	mg/kg	0.47	1	09/29/20 09:02	09/29/20 10:26		
Surrogates								
Toluene-d8 (S)	101	%	78-122	1	09/29/20 09:02	09/29/20 10:26	2037-26-5	
4-Bromofluorobenzene (S)	96	%	69-133	1	09/29/20 09:02	09/29/20 10:26	460-00-4	
1,2-Dichloroethane-d4 (S)	110	%	80-123	1	09/29/20 09:02	09/29/20 10:26	17060-07-0	
Percent Moisture								
Analytical Method: ASTM D2974								
Pace Analytical Services - Kansas City								
Percent Moisture	15.9	%	0.50	1		09/25/20 11:09		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: PINE LAWN

Pace Project No.: 60349351

Sample: DPT-19-SO-(29-30) **Lab ID: 60349351002** Collected: 09/23/20 16:38 Received: 09/24/20 04:44 Matrix: Solid

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

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8082 GCS PCB SW								
Analytical Method: EPA 8082 Preparation Method: EPA 3546								
Pace Analytical Services - Kansas City								
PCB-1016 (Aroclor 1016)	ND	ug/kg	38.8	1	09/30/20 15:02	10/02/20 13:51	12674-11-2	
PCB-1221 (Aroclor 1221)	ND	ug/kg	38.8	1	09/30/20 15:02	10/02/20 13:51	11104-28-2	
PCB-1232 (Aroclor 1232)	ND	ug/kg	38.8	1	09/30/20 15:02	10/02/20 13:51	11141-16-5	
PCB-1242 (Aroclor 1242)	ND	ug/kg	38.8	1	09/30/20 15:02	10/02/20 13:51	53469-21-9	
PCB-1248 (Aroclor 1248)	ND	ug/kg	38.8	1	09/30/20 15:02	10/02/20 13:51	12672-29-6	
PCB-1254 (Aroclor 1254)	ND	ug/kg	38.8	1	09/30/20 15:02	10/02/20 13:51	11097-69-1	
PCB-1260 (Aroclor 1260)	ND	ug/kg	38.8	1	09/30/20 15:02	10/02/20 13:51	11096-82-5	
Surrogates								
Decachlorobiphenyl (S)	89	%	28-143	1	09/30/20 15:02	10/02/20 13:51	2051-24-3	
6010 MET ICP Red. Interference								
Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Pace Analytical Services - Kansas City								
Arsenic	3.5	mg/kg	1.1	1	10/02/20 10:03	10/05/20 20:36	7440-38-2	
Barium	76.7	mg/kg	0.53	1	10/02/20 10:03	10/05/20 20:36	7440-39-3	
Cadmium	ND	mg/kg	0.53	1	10/02/20 10:03	10/05/20 20:36	7440-43-9	
Chromium	30.3	mg/kg	0.53	1	10/02/20 10:03	10/05/20 20:36	7440-47-3	
Lead	14.6	mg/kg	1.1	1	10/02/20 10:03	10/05/20 20:36	7439-92-1	
Selenium	ND	mg/kg	1.6	1	10/02/20 10:03	10/05/20 20:36	7782-49-2	
Silver	ND	mg/kg	0.74	1	10/02/20 10:03	10/05/20 20:36	7440-22-4	
7471 Mercury								
Analytical Method: EPA 7471 Preparation Method: EPA 7471								
Pace Analytical Services - Kansas City								
Mercury	ND	mg/kg	0.055	1	09/30/20 18:07	10/01/20 13:16	7439-97-6	
8270 MSSV Semivolatiles								
Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Pace Analytical Services - Kansas City								
Acenaphthene	ND	ug/kg	381	1	09/29/20 13:22	10/05/20 23:49	83-32-9	
Acenaphthylene	ND	ug/kg	381	1	09/29/20 13:22	10/05/20 23:49	208-96-8	
Anthracene	ND	ug/kg	381	1	09/29/20 13:22	10/05/20 23:49	120-12-7	
Benzo(a)anthracene	ND	ug/kg	381	1	09/29/20 13:22	10/05/20 23:49	56-55-3	
Benzo(a)pyrene	ND	ug/kg	381	1	09/29/20 13:22	10/05/20 23:49	50-32-8	
Benzo(b)fluoranthene	ND	ug/kg	381	1	09/29/20 13:22	10/05/20 23:49	205-99-2	
Benzo(g,h,i)perylene	ND	ug/kg	381	1	09/29/20 13:22	10/05/20 23:49	191-24-2	
Benzo(k)fluoranthene	ND	ug/kg	381	1	09/29/20 13:22	10/05/20 23:49	207-08-9	
Benzoic Acid	ND	ug/kg	1930	1	09/29/20 13:22	10/05/20 23:49	65-85-0	L1
Benzyl alcohol	ND	ug/kg	762	1	09/29/20 13:22	10/05/20 23:49	100-51-6	
4-Bromophenylphenyl ether	ND	ug/kg	381	1	09/29/20 13:22	10/05/20 23:49	101-55-3	
Butylbenzylphthalate	ND	ug/kg	381	1	09/29/20 13:22	10/05/20 23:49	85-68-7	
Carbazole	ND	ug/kg	381	1	09/29/20 13:22	10/05/20 23:49	86-74-8	
4-Chloro-3-methylphenol	ND	ug/kg	762	1	09/29/20 13:22	10/05/20 23:49	59-50-7	
4-Chloroaniline	ND	ug/kg	762	1	09/29/20 13:22	10/05/20 23:49	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/kg	381	1	09/29/20 13:22	10/05/20 23:49	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/kg	381	1	09/29/20 13:22	10/05/20 23:49	111-44-4	
bis(2-Chloroisopropyl) ether	ND	ug/kg	381	1	09/29/20 13:22	10/05/20 23:49	108-60-1	
2-Chloronaphthalene	ND	ug/kg	381	1	09/29/20 13:22	10/05/20 23:49	91-58-7	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: PINE LAWN

Pace Project No.: 60349351

Sample: DPT-19-SO-(29-30) **Lab ID: 60349351002** Collected: 09/23/20 16:38 Received: 09/24/20 04:44 Matrix: Solid

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

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Semivolatiles		Analytical Method: EPA 8270 Preparation Method: EPA 3546 Pace Analytical Services - Kansas City						
2-Chlorophenol	ND	ug/kg	381	1	09/29/20 13:22	10/05/20 23:49	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/kg	381	1	09/29/20 13:22	10/05/20 23:49	7005-72-3	
Chrysene	ND	ug/kg	381	1	09/29/20 13:22	10/05/20 23:49	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	381	1	09/29/20 13:22	10/05/20 23:49	53-70-3	
Dibenzofuran	ND	ug/kg	381	1	09/29/20 13:22	10/05/20 23:49	132-64-9	
1,2-Dichlorobenzene	ND	ug/kg	381	1	09/29/20 13:22	10/05/20 23:49	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	381	1	09/29/20 13:22	10/05/20 23:49	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	381	1	09/29/20 13:22	10/05/20 23:49	106-46-7	
3,3'-Dichlorobenzidine	ND	ug/kg	762	1	09/29/20 13:22	10/05/20 23:49	91-94-1	
2,4-Dichlorophenol	ND	ug/kg	381	1	09/29/20 13:22	10/05/20 23:49	120-83-2	
Diethylphthalate	ND	ug/kg	381	1	09/29/20 13:22	10/05/20 23:49	84-66-2	
2,4-Dimethylphenol	ND	ug/kg	381	1	09/29/20 13:22	10/05/20 23:49	105-67-9	
Dimethylphthalate	ND	ug/kg	381	1	09/29/20 13:22	10/05/20 23:49	131-11-3	
Di-n-butylphthalate	ND	ug/kg	381	1	09/29/20 13:22	10/05/20 23:49	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/kg	1930	1	09/29/20 13:22	10/05/20 23:49	534-52-1	
2,4-Dinitrophenol	ND	ug/kg	1930	1	09/29/20 13:22	10/05/20 23:49	51-28-5	
2,4-Dinitrotoluene	ND	ug/kg	381	1	09/29/20 13:22	10/05/20 23:49	121-14-2	
2,6-Dinitrotoluene	ND	ug/kg	381	1	09/29/20 13:22	10/05/20 23:49	606-20-2	
Di-n-octylphthalate	ND	ug/kg	381	1	09/29/20 13:22	10/05/20 23:49	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/kg	381	1	09/29/20 13:22	10/05/20 23:49	117-81-7	
Fluoranthene	ND	ug/kg	381	1	09/29/20 13:22	10/05/20 23:49	206-44-0	
Fluorene	ND	ug/kg	381	1	09/29/20 13:22	10/05/20 23:49	86-73-7	
Hexachloro-1,3-butadiene	ND	ug/kg	381	1	09/29/20 13:22	10/05/20 23:49	87-68-3	
Hexachlorobenzene	ND	ug/kg	381	1	09/29/20 13:22	10/05/20 23:49	118-74-1	
Hexachlorocyclopentadiene	ND	ug/kg	381	1	09/29/20 13:22	10/05/20 23:49	77-47-4	
Hexachloroethane	ND	ug/kg	381	1	09/29/20 13:22	10/05/20 23:49	67-72-1	
Indeno(1,2,3-cd)pyrene	ND	ug/kg	381	1	09/29/20 13:22	10/05/20 23:49	193-39-5	
Isophorone	ND	ug/kg	381	1	09/29/20 13:22	10/05/20 23:49	78-59-1	
2-Methylnaphthalene	ND	ug/kg	381	1	09/29/20 13:22	10/05/20 23:49	91-57-6	
2-Methylphenol(o-Cresol)	ND	ug/kg	381	1	09/29/20 13:22	10/05/20 23:49	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/kg	381	1	09/29/20 13:22	10/05/20 23:49	15831-10-4	
Naphthalene	ND	ug/kg	381	1	09/29/20 13:22	10/05/20 23:49	91-20-3	
2-Nitroaniline	ND	ug/kg	762	1	09/29/20 13:22	10/05/20 23:49	88-74-4	
3-Nitroaniline	ND	ug/kg	762	1	09/29/20 13:22	10/05/20 23:49	99-09-2	
4-Nitroaniline	ND	ug/kg	762	1	09/29/20 13:22	10/05/20 23:49	100-01-6	
Nitrobenzene	ND	ug/kg	381	1	09/29/20 13:22	10/05/20 23:49	98-95-3	
2-Nitrophenol	ND	ug/kg	381	1	09/29/20 13:22	10/05/20 23:49	88-75-5	
4-Nitrophenol	ND	ug/kg	1930	1	09/29/20 13:22	10/05/20 23:49	100-02-7	
N-Nitroso-di-n-propylamine	ND	ug/kg	381	1	09/29/20 13:22	10/05/20 23:49	621-64-7	
N-Nitrosodiphenylamine	ND	ug/kg	381	1	09/29/20 13:22	10/05/20 23:49	86-30-6	
Pentachlorophenol	ND	ug/kg	1930	1	09/29/20 13:22	10/05/20 23:49	87-86-5	
Phenanthrene	ND	ug/kg	381	1	09/29/20 13:22	10/05/20 23:49	85-01-8	
Phenol	ND	ug/kg	381	1	09/29/20 13:22	10/05/20 23:49	108-95-2	
Pyrene	ND	ug/kg	381	1	09/29/20 13:22	10/05/20 23:49	129-00-0	
Pyridine	ND	ug/kg	381	1	09/29/20 13:22	10/05/20 23:49	110-86-1	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: PINE LAWN

Pace Project No.: 60349351

Sample: DPT-19-SO-(29-30) **Lab ID: 60349351002** Collected: 09/23/20 16:38 Received: 09/24/20 04:44 Matrix: Solid

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

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Semivolatiles								
Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Pace Analytical Services - Kansas City								
1,2,4-Trichlorobenzene	ND	ug/kg	381	1	09/29/20 13:22	10/05/20 23:49	120-82-1	
2,4,5-Trichlorophenol	ND	ug/kg	381	1	09/29/20 13:22	10/05/20 23:49	95-95-4	
2,4,6-Trichlorophenol	ND	ug/kg	381	1	09/29/20 13:22	10/05/20 23:49	88-06-2	
Surrogates								
Nitrobenzene-d5 (S)	59	%	33-132	1	09/29/20 13:22	10/05/20 23:49	4165-60-0	
2-Fluorobiphenyl (S)	65	%	39-136	1	09/29/20 13:22	10/05/20 23:49	321-60-8	
Terphenyl-d14 (S)	67	%	29-131	1	09/29/20 13:22	10/05/20 23:49	1718-51-0	
Phenol-d6 (S)	58	%	43-95	1	09/29/20 13:22	10/05/20 23:49	13127-88-3	
2-Fluorophenol (S)	59	%	43-96	1	09/29/20 13:22	10/05/20 23:49	367-12-4	
2,4,6-Tribromophenol (S)	37	%	41-108	1	09/29/20 13:22	10/05/20 23:49	118-79-6	S0
8270 MSSV DRO/ORO								
Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Pace Analytical Services - Kansas City								
TPH-ORO	ND	mg/kg	18.0	1	09/30/20 14:55	10/05/20 14:51		
TPH-DRO	ND	mg/kg	18.0	1	09/30/20 14:55	10/05/20 14:51		
Surrogates								
Nitrobenzene-d5 (S)	82	%	33-132	1	09/30/20 14:55	10/05/20 14:51	4165-60-0	
2-Fluorobiphenyl (S)	88	%	39-136	1	09/30/20 14:55	10/05/20 14:51	321-60-8	
Terphenyl-d14 (S)	93	%	29-131	1	09/30/20 14:55	10/05/20 14:51	1718-51-0	
8260 MSV 5035A VOA								
Analytical Method: EPA 8260B Preparation Method: EPA 5035A/5030								
Pace Analytical Services - Kansas City								
Acetone	ND	ug/kg	13.4	1	09/28/20 13:13	09/28/20 21:27	67-64-1	
Benzene	ND	ug/kg	3.4	1	09/28/20 13:13	09/28/20 21:27	71-43-2	
Bromobenzene	ND	ug/kg	3.4	1	09/28/20 13:13	09/28/20 21:27	108-86-1	
Bromochloromethane	ND	ug/kg	3.4	1	09/28/20 13:13	09/28/20 21:27	74-97-5	
Bromodichloromethane	ND	ug/kg	3.4	1	09/28/20 13:13	09/28/20 21:27	75-27-4	
Bromoform	ND	ug/kg	3.4	1	09/28/20 13:13	09/28/20 21:27	75-25-2	
Bromomethane	ND	ug/kg	3.4	1	09/28/20 13:13	09/28/20 21:27	74-83-9	
2-Butanone (MEK)	ND	ug/kg	6.7	1	09/28/20 13:13	09/28/20 21:27	78-93-3	
n-Butylbenzene	ND	ug/kg	3.4	1	09/28/20 13:13	09/28/20 21:27	104-51-8	
sec-Butylbenzene	ND	ug/kg	3.4	1	09/28/20 13:13	09/28/20 21:27	135-98-8	
tert-Butylbenzene	ND	ug/kg	16.8	1	09/28/20 13:13	09/28/20 21:27	98-06-6	
Carbon disulfide	ND	ug/kg	3.4	1	09/28/20 13:13	09/28/20 21:27	75-15-0	
Carbon tetrachloride	ND	ug/kg	3.4	1	09/28/20 13:13	09/28/20 21:27	56-23-5	
Chlorobenzene	ND	ug/kg	3.4	1	09/28/20 13:13	09/28/20 21:27	108-90-7	
Chloroethane	ND	ug/kg	3.4	1	09/28/20 13:13	09/28/20 21:27	75-00-3	
Chloroform	ND	ug/kg	3.4	1	09/28/20 13:13	09/28/20 21:27	67-66-3	
Chloromethane	ND	ug/kg	3.4	1	09/28/20 13:13	09/28/20 21:27	74-87-3	
2-Chlorotoluene	ND	ug/kg	3.4	1	09/28/20 13:13	09/28/20 21:27	95-49-8	
4-Chlorotoluene	ND	ug/kg	3.4	1	09/28/20 13:13	09/28/20 21:27	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/kg	6.7	1	09/28/20 13:13	09/28/20 21:27	96-12-8	
Dibromochloromethane	ND	ug/kg	3.4	1	09/28/20 13:13	09/28/20 21:27	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	3.4	1	09/28/20 13:13	09/28/20 21:27	106-93-4	
Dibromomethane	ND	ug/kg	3.4	1	09/28/20 13:13	09/28/20 21:27	74-95-3	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: PINE LAWN

Pace Project No.: 60349351

Sample: DPT-19-SO-(29-30) **Lab ID: 60349351002** Collected: 09/23/20 16:38 Received: 09/24/20 04:44 Matrix: Solid

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

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035A VOA								
Analytical Method: EPA 8260B Preparation Method: EPA 5035A/5030								
Pace Analytical Services - Kansas City								
1,2-Dichlorobenzene	ND	ug/kg	3.4	1	09/28/20 13:13	09/28/20 21:27	95-50-1	SS
1,3-Dichlorobenzene	ND	ug/kg	3.4	1	09/28/20 13:13	09/28/20 21:27	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	3.4	1	09/28/20 13:13	09/28/20 21:27	106-46-7	
Dichlorodifluoromethane	ND	ug/kg	3.4	1	09/28/20 13:13	09/28/20 21:27	75-71-8	
1,1-Dichloroethane	ND	ug/kg	3.4	1	09/28/20 13:13	09/28/20 21:27	75-34-3	
1,2-Dichloroethane	ND	ug/kg	3.4	1	09/28/20 13:13	09/28/20 21:27	107-06-2	
1,2-Dichloroethene (Total)	ND	ug/kg	3.4	1	09/28/20 13:13	09/28/20 21:27	540-59-0	
1,1-Dichloroethene	ND	ug/kg	3.4	1	09/28/20 13:13	09/28/20 21:27	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	3.4	1	09/28/20 13:13	09/28/20 21:27	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	3.4	1	09/28/20 13:13	09/28/20 21:27	156-60-5	
1,2-Dichloropropane	ND	ug/kg	3.4	1	09/28/20 13:13	09/28/20 21:27	78-87-5	
1,3-Dichloropropane	ND	ug/kg	3.4	1	09/28/20 13:13	09/28/20 21:27	142-28-9	
2,2-Dichloropropane	ND	ug/kg	3.4	1	09/28/20 13:13	09/28/20 21:27	594-20-7	
1,1-Dichloropropene	ND	ug/kg	3.4	1	09/28/20 13:13	09/28/20 21:27	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	3.4	1	09/28/20 13:13	09/28/20 21:27	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	3.4	1	09/28/20 13:13	09/28/20 21:27	10061-02-6	
Ethylbenzene	ND	ug/kg	3.4	1	09/28/20 13:13	09/28/20 21:27	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/kg	3.4	1	09/28/20 13:13	09/28/20 21:27	87-68-3	
2-Hexanone	ND	ug/kg	13.4	1	09/28/20 13:13	09/28/20 21:27	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/kg	3.4	1	09/28/20 13:13	09/28/20 21:27	98-82-8	
p-Isopropyltoluene	ND	ug/kg	3.4	1	09/28/20 13:13	09/28/20 21:27	99-87-6	
Methylene Chloride	ND	ug/kg	3.4	1	09/28/20 13:13	09/28/20 21:27	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	6.7	1	09/28/20 13:13	09/28/20 21:27	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	3.4	1	09/28/20 13:13	09/28/20 21:27	1634-04-4	
Naphthalene	ND	ug/kg	6.7	1	09/28/20 13:13	09/28/20 21:27	91-20-3	
n-Propylbenzene	ND	ug/kg	3.4	1	09/28/20 13:13	09/28/20 21:27	103-65-1	
Styrene	ND	ug/kg	3.4	1	09/28/20 13:13	09/28/20 21:27	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	3.4	1	09/28/20 13:13	09/28/20 21:27	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	3.4	1	09/28/20 13:13	09/28/20 21:27	79-34-5	
Tetrachloroethene	ND	ug/kg	3.4	1	09/28/20 13:13	09/28/20 21:27	127-18-4	
Toluene	ND	ug/kg	3.4	1	09/28/20 13:13	09/28/20 21:27	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	3.4	1	09/28/20 13:13	09/28/20 21:27	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	3.4	1	09/28/20 13:13	09/28/20 21:27	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	3.4	1	09/28/20 13:13	09/28/20 21:27	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	3.4	1	09/28/20 13:13	09/28/20 21:27	79-00-5	
Trichloroethene	ND	ug/kg	3.4	1	09/28/20 13:13	09/28/20 21:27	79-01-6	
Trichlorofluoromethane	ND	ug/kg	3.4	1	09/28/20 13:13	09/28/20 21:27	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	3.4	1	09/28/20 13:13	09/28/20 21:27	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/kg	3.4	1	09/28/20 13:13	09/28/20 21:27	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	3.4	1	09/28/20 13:13	09/28/20 21:27	108-67-8	
Vinyl chloride	ND	ug/kg	3.4	1	09/28/20 13:13	09/28/20 21:27	75-01-4	
Xylene (Total)	ND	ug/kg	3.4	1	09/28/20 13:13	09/28/20 21:27	1330-20-7	
Surrogates								
Toluene-d8 (S)	101	%	80-120	1	09/28/20 13:13	09/28/20 21:27	2037-26-5	
4-Bromofluorobenzene (S)	96	%	85-115	1	09/28/20 13:13	09/28/20 21:27	460-00-4	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: PINE LAWN

Pace Project No.: 60349351

Sample: DPT-19-SO-(29-30) **Lab ID:** 60349351002 Collected: 09/23/20 16:38 Received: 09/24/20 04:44 Matrix: Solid

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

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035A VOA								
Analytical Method: EPA 8260B Preparation Method: EPA 5035A/5030								
Pace Analytical Services - Kansas City								
Surrogates								
1,2-Dichloroethane-d4 (S)	108	%	78-118	1	09/28/20 13:13	09/28/20 21:27	17060-07-0	
8260 MSV GRO and Oxygenates								
Analytical Method: EPA 8260 Preparation Method: EPA 5035								
Pace Analytical Services - Kansas City								
TPH-GRO	ND	mg/kg	0.36	1	09/29/20 09:02	09/29/20 10:41		
Surrogates								
Toluene-d8 (S)	101	%	78-122	1	09/29/20 09:02	09/29/20 10:41	2037-26-5	
4-Bromofluorobenzene (S)	97	%	69-133	1	09/29/20 09:02	09/29/20 10:41	460-00-4	
1,2-Dichloroethane-d4 (S)	110	%	80-123	1	09/29/20 09:02	09/29/20 10:41	17060-07-0	
Percent Moisture								
Analytical Method: ASTM D2974								
Pace Analytical Services - Kansas City								
Percent Moisture	16.8	%	0.50	1		09/25/20 11:09		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: PINE LAWN

Pace Project No.: 60349351

Sample: DPT-20-SO-(10-11) **Lab ID:** 60349351003 **Collected:** 09/23/20 17:07 **Received:** 09/24/20 04:44 **Matrix:** Solid

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

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8082 GCS PCB SW								
Analytical Method: EPA 8082 Preparation Method: EPA 3546								
Pace Analytical Services - Kansas City								
PCB-1016 (Aroclor 1016)	ND	ug/kg	41.4	1	09/30/20 15:02	10/02/20 14:08	12674-11-2	
PCB-1221 (Aroclor 1221)	ND	ug/kg	41.4	1	09/30/20 15:02	10/02/20 14:08	11104-28-2	
PCB-1232 (Aroclor 1232)	ND	ug/kg	41.4	1	09/30/20 15:02	10/02/20 14:08	11141-16-5	
PCB-1242 (Aroclor 1242)	ND	ug/kg	41.4	1	09/30/20 15:02	10/02/20 14:08	53469-21-9	
PCB-1248 (Aroclor 1248)	ND	ug/kg	41.4	1	09/30/20 15:02	10/02/20 14:08	12672-29-6	
PCB-1254 (Aroclor 1254)	ND	ug/kg	41.4	1	09/30/20 15:02	10/02/20 14:08	11097-69-1	
PCB-1260 (Aroclor 1260)	ND	ug/kg	41.4	1	09/30/20 15:02	10/02/20 14:08	11096-82-5	
Surrogates								
Decachlorobiphenyl (S)	91	%	28-143	1	09/30/20 15:02	10/02/20 14:08	2051-24-3	
6010 MET ICP Red. Interference								
Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Pace Analytical Services - Kansas City								
Arsenic	12.4	mg/kg	1.1	1	10/02/20 10:03	10/05/20 20:39	7440-38-2	
Barium	179	mg/kg	0.57	1	10/02/20 10:03	10/05/20 20:39	7440-39-3	
Cadmium	ND	mg/kg	0.57	1	10/02/20 10:03	10/05/20 20:39	7440-43-9	
Chromium	25.0	mg/kg	0.57	1	10/02/20 10:03	10/05/20 20:39	7440-47-3	
Lead	42.3	mg/kg	1.1	1	10/02/20 10:03	10/05/20 20:39	7439-92-1	
Selenium	ND	mg/kg	1.7	1	10/02/20 10:03	10/05/20 20:39	7782-49-2	
Silver	ND	mg/kg	0.80	1	10/02/20 10:03	10/05/20 20:39	7440-22-4	
7471 Mercury								
Analytical Method: EPA 7471 Preparation Method: EPA 7471								
Pace Analytical Services - Kansas City								
Mercury	ND	mg/kg	0.063	1	09/30/20 18:07	10/01/20 13:19	7439-97-6	
8270 MSSV Semivolatiles								
Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Pace Analytical Services - Kansas City								
Acenaphthene	ND	ug/kg	405	1	09/29/20 13:22	10/06/20 00:10	83-32-9	
Acenaphthylene	ND	ug/kg	405	1	09/29/20 13:22	10/06/20 00:10	208-96-8	
Anthracene	ND	ug/kg	405	1	09/29/20 13:22	10/06/20 00:10	120-12-7	
Benzo(a)anthracene	ND	ug/kg	405	1	09/29/20 13:22	10/06/20 00:10	56-55-3	
Benzo(a)pyrene	ND	ug/kg	405	1	09/29/20 13:22	10/06/20 00:10	50-32-8	
Benzo(b)fluoranthene	ND	ug/kg	405	1	09/29/20 13:22	10/06/20 00:10	205-99-2	
Benzo(g,h,i)perylene	ND	ug/kg	405	1	09/29/20 13:22	10/06/20 00:10	191-24-2	
Benzo(k)fluoranthene	ND	ug/kg	405	1	09/29/20 13:22	10/06/20 00:10	207-08-9	
Benzoic Acid	ND	ug/kg	2050	1	09/29/20 13:22	10/06/20 00:10	65-85-0	L1
Benzyl alcohol	ND	ug/kg	809	1	09/29/20 13:22	10/06/20 00:10	100-51-6	
4-Bromophenylphenyl ether	ND	ug/kg	405	1	09/29/20 13:22	10/06/20 00:10	101-55-3	
Butylbenzylphthalate	ND	ug/kg	405	1	09/29/20 13:22	10/06/20 00:10	85-68-7	
Carbazole	ND	ug/kg	405	1	09/29/20 13:22	10/06/20 00:10	86-74-8	
4-Chloro-3-methylphenol	ND	ug/kg	809	1	09/29/20 13:22	10/06/20 00:10	59-50-7	
4-Chloroaniline	ND	ug/kg	809	1	09/29/20 13:22	10/06/20 00:10	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/kg	405	1	09/29/20 13:22	10/06/20 00:10	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/kg	405	1	09/29/20 13:22	10/06/20 00:10	111-44-4	
bis(2-Chloroisopropyl) ether	ND	ug/kg	405	1	09/29/20 13:22	10/06/20 00:10	108-60-1	
2-Chloronaphthalene	ND	ug/kg	405	1	09/29/20 13:22	10/06/20 00:10	91-58-7	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: PINE LAWN

Pace Project No.: 60349351

Sample: DPT-20-SO-(10-11) Lab ID: 60349351003 Collected: 09/23/20 17:07 Received: 09/24/20 04:44 Matrix: Solid

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

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Semivolatiles		Analytical Method: EPA 8270 Preparation Method: EPA 3546 Pace Analytical Services - Kansas City						
2-Chlorophenol	ND	ug/kg	405	1	09/29/20 13:22	10/06/20 00:10	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/kg	405	1	09/29/20 13:22	10/06/20 00:10	7005-72-3	
Chrysene	ND	ug/kg	405	1	09/29/20 13:22	10/06/20 00:10	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	405	1	09/29/20 13:22	10/06/20 00:10	53-70-3	
Dibenzofuran	ND	ug/kg	405	1	09/29/20 13:22	10/06/20 00:10	132-64-9	
1,2-Dichlorobenzene	ND	ug/kg	405	1	09/29/20 13:22	10/06/20 00:10	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	405	1	09/29/20 13:22	10/06/20 00:10	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	405	1	09/29/20 13:22	10/06/20 00:10	106-46-7	
3,3'-Dichlorobenzidine	ND	ug/kg	809	1	09/29/20 13:22	10/06/20 00:10	91-94-1	
2,4-Dichlorophenol	ND	ug/kg	405	1	09/29/20 13:22	10/06/20 00:10	120-83-2	
Diethylphthalate	ND	ug/kg	405	1	09/29/20 13:22	10/06/20 00:10	84-66-2	
2,4-Dimethylphenol	ND	ug/kg	405	1	09/29/20 13:22	10/06/20 00:10	105-67-9	
Dimethylphthalate	ND	ug/kg	405	1	09/29/20 13:22	10/06/20 00:10	131-11-3	
Di-n-butylphthalate	ND	ug/kg	405	1	09/29/20 13:22	10/06/20 00:10	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/kg	2050	1	09/29/20 13:22	10/06/20 00:10	534-52-1	
2,4-Dinitrophenol	ND	ug/kg	2050	1	09/29/20 13:22	10/06/20 00:10	51-28-5	
2,4-Dinitrotoluene	ND	ug/kg	405	1	09/29/20 13:22	10/06/20 00:10	121-14-2	
2,6-Dinitrotoluene	ND	ug/kg	405	1	09/29/20 13:22	10/06/20 00:10	606-20-2	
Di-n-octylphthalate	ND	ug/kg	405	1	09/29/20 13:22	10/06/20 00:10	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/kg	405	1	09/29/20 13:22	10/06/20 00:10	117-81-7	
Fluoranthene	ND	ug/kg	405	1	09/29/20 13:22	10/06/20 00:10	206-44-0	
Fluorene	ND	ug/kg	405	1	09/29/20 13:22	10/06/20 00:10	86-73-7	
Hexachloro-1,3-butadiene	ND	ug/kg	405	1	09/29/20 13:22	10/06/20 00:10	87-68-3	
Hexachlorobenzene	ND	ug/kg	405	1	09/29/20 13:22	10/06/20 00:10	118-74-1	
Hexachlorocyclopentadiene	ND	ug/kg	405	1	09/29/20 13:22	10/06/20 00:10	77-47-4	
Hexachloroethane	ND	ug/kg	405	1	09/29/20 13:22	10/06/20 00:10	67-72-1	
Indeno(1,2,3-cd)pyrene	ND	ug/kg	405	1	09/29/20 13:22	10/06/20 00:10	193-39-5	
Isophorone	ND	ug/kg	405	1	09/29/20 13:22	10/06/20 00:10	78-59-1	
2-Methylnaphthalene	2390	ug/kg	405	1	09/29/20 13:22	10/06/20 00:10	91-57-6	
2-Methylphenol(o-Cresol)	ND	ug/kg	405	1	09/29/20 13:22	10/06/20 00:10	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/kg	405	1	09/29/20 13:22	10/06/20 00:10	15831-10-4	
Naphthalene	ND	ug/kg	405	1	09/29/20 13:22	10/06/20 00:10	91-20-3	
2-Nitroaniline	ND	ug/kg	809	1	09/29/20 13:22	10/06/20 00:10	88-74-4	
3-Nitroaniline	ND	ug/kg	809	1	09/29/20 13:22	10/06/20 00:10	99-09-2	
4-Nitroaniline	ND	ug/kg	809	1	09/29/20 13:22	10/06/20 00:10	100-01-6	
Nitrobenzene	ND	ug/kg	405	1	09/29/20 13:22	10/06/20 00:10	98-95-3	
2-Nitrophenol	ND	ug/kg	405	1	09/29/20 13:22	10/06/20 00:10	88-75-5	
4-Nitrophenol	ND	ug/kg	2050	1	09/29/20 13:22	10/06/20 00:10	100-02-7	
N-Nitroso-di-n-propylamine	ND	ug/kg	405	1	09/29/20 13:22	10/06/20 00:10	621-64-7	
N-Nitrosodiphenylamine	ND	ug/kg	405	1	09/29/20 13:22	10/06/20 00:10	86-30-6	
Pentachlorophenol	ND	ug/kg	2050	1	09/29/20 13:22	10/06/20 00:10	87-86-5	
Phenanthrene	ND	ug/kg	405	1	09/29/20 13:22	10/06/20 00:10	85-01-8	
Phenol	ND	ug/kg	405	1	09/29/20 13:22	10/06/20 00:10	108-95-2	
Pyrene	ND	ug/kg	405	1	09/29/20 13:22	10/06/20 00:10	129-00-0	
Pyridine	ND	ug/kg	405	1	09/29/20 13:22	10/06/20 00:10	110-86-1	

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ANALYTICAL RESULTS

Project: PINE LAWN

Pace Project No.: 60349351

Sample: DPT-20-SO-(10-11) **Lab ID:** 60349351003 **Collected:** 09/23/20 17:07 **Received:** 09/24/20 04:44 **Matrix:** Solid

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

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Semivolatiles								
Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Pace Analytical Services - Kansas City								
1,2,4-Trichlorobenzene	ND	ug/kg	405	1	09/29/20 13:22	10/06/20 00:10	120-82-1	
2,4,5-Trichlorophenol	ND	ug/kg	405	1	09/29/20 13:22	10/06/20 00:10	95-95-4	
2,4,6-Trichlorophenol	ND	ug/kg	405	1	09/29/20 13:22	10/06/20 00:10	88-06-2	
Surrogates								
Nitrobenzene-d5 (S)	57	%	33-132	1	09/29/20 13:22	10/06/20 00:10	4165-60-0	
2-Fluorobiphenyl (S)	67	%	39-136	1	09/29/20 13:22	10/06/20 00:10	321-60-8	
Terphenyl-d14 (S)	71	%	29-131	1	09/29/20 13:22	10/06/20 00:10	1718-51-0	
Phenol-d6 (S)	63	%	43-95	1	09/29/20 13:22	10/06/20 00:10	13127-88-3	
2-Fluorophenol (S)	62	%	43-96	1	09/29/20 13:22	10/06/20 00:10	367-12-4	
2,4,6-Tribromophenol (S)	63	%	41-108	1	09/29/20 13:22	10/06/20 00:10	118-79-6	
8270 MSSV DRO/ORO								
Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Pace Analytical Services - Kansas City								
TPH-ORO	ND	mg/kg	18.7	1	09/30/20 14:55	10/05/20 15:11		
TPH-DRO	205	mg/kg	18.7	1	09/30/20 14:55	10/05/20 15:11		
Surrogates								
Nitrobenzene-d5 (S)	79	%	33-132	1	09/30/20 14:55	10/05/20 15:11	4165-60-0	
2-Fluorobiphenyl (S)	91	%	39-136	1	09/30/20 14:55	10/05/20 15:11	321-60-8	
Terphenyl-d14 (S)	96	%	29-131	1	09/30/20 14:55	10/05/20 15:11	1718-51-0	
8260 MSV 5035A VOA								
Analytical Method: EPA 8260B Preparation Method: EPA 5035A/5030B								
Pace Analytical Services - Kansas City								
Acetone	ND	ug/kg	4070	5	09/28/20 13:22	09/29/20 03:23	67-64-1	
Benzene	ND	ug/kg	1020	5	09/28/20 13:22	09/29/20 03:23	71-43-2	
Bromobenzene	ND	ug/kg	1020	5	09/28/20 13:22	09/29/20 03:23	108-86-1	
Bromochloromethane	ND	ug/kg	1020	5	09/28/20 13:22	09/29/20 03:23	74-97-5	
Bromodichloromethane	ND	ug/kg	1020	5	09/28/20 13:22	09/29/20 03:23	75-27-4	
Bromoform	ND	ug/kg	1020	5	09/28/20 13:22	09/29/20 03:23	75-25-2	
Bromomethane	ND	ug/kg	1020	5	09/28/20 13:22	09/29/20 03:23	74-83-9	
2-Butanone (MEK)	ND	ug/kg	2040	5	09/28/20 13:22	09/29/20 03:23	78-93-3	
n-Butylbenzene	2460	ug/kg	1020	5	09/28/20 13:22	09/29/20 03:23	104-51-8	
sec-Butylbenzene	1030	ug/kg	1020	5	09/28/20 13:22	09/29/20 03:23	135-98-8	
tert-Butylbenzene	ND	ug/kg	5090	5	09/28/20 13:22	09/29/20 03:23	98-06-6	
Carbon disulfide	ND	ug/kg	1020	5	09/28/20 13:22	09/29/20 03:23	75-15-0	
Carbon tetrachloride	ND	ug/kg	1020	5	09/28/20 13:22	09/29/20 03:23	56-23-5	
Chlorobenzene	ND	ug/kg	1020	5	09/28/20 13:22	09/29/20 03:23	108-90-7	
Chloroethane	ND	ug/kg	1020	5	09/28/20 13:22	09/29/20 03:23	75-00-3	
Chloroform	ND	ug/kg	1020	5	09/28/20 13:22	09/29/20 03:23	67-66-3	
Chloromethane	ND	ug/kg	1020	5	09/28/20 13:22	09/29/20 03:23	74-87-3	
2-Chlorotoluene	ND	ug/kg	1020	5	09/28/20 13:22	09/29/20 03:23	95-49-8	
4-Chlorotoluene	ND	ug/kg	1020	5	09/28/20 13:22	09/29/20 03:23	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/kg	2040	5	09/28/20 13:22	09/29/20 03:23	96-12-8	
Dibromochloromethane	ND	ug/kg	1020	5	09/28/20 13:22	09/29/20 03:23	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	1020	5	09/28/20 13:22	09/29/20 03:23	106-93-4	
Dibromomethane	ND	ug/kg	1020	5	09/28/20 13:22	09/29/20 03:23	74-95-3	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: PINE LAWN

Pace Project No.: 60349351

Sample: DPT-20-SO-(10-11) Lab ID: 60349351003 Collected: 09/23/20 17:07 Received: 09/24/20 04:44 Matrix: Solid

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

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
8260 MSV 5035A VOA									
Analytical Method: EPA 8260B Preparation Method: EPA 5035A/5030B									
Pace Analytical Services - Kansas City									
1,2-Dichlorobenzene	ND	ug/kg	1020	5	09/28/20 13:22	09/29/20 03:23	95-50-1	SS	
1,3-Dichlorobenzene	ND	ug/kg	1020	5	09/28/20 13:22	09/29/20 03:23	541-73-1		
1,4-Dichlorobenzene	ND	ug/kg	1020	5	09/28/20 13:22	09/29/20 03:23	106-46-7		
Dichlorodifluoromethane	ND	ug/kg	1020	5	09/28/20 13:22	09/29/20 03:23	75-71-8		
1,1-Dichloroethane	ND	ug/kg	1020	5	09/28/20 13:22	09/29/20 03:23	75-34-3		
1,2-Dichloroethane	ND	ug/kg	1020	5	09/28/20 13:22	09/29/20 03:23	107-06-2		
1,2-Dichloroethene (Total)	ND	ug/kg	1020	5	09/28/20 13:22	09/29/20 03:23	540-59-0		
1,1-Dichloroethene	ND	ug/kg	1020	5	09/28/20 13:22	09/29/20 03:23	75-35-4		
cis-1,2-Dichloroethene	ND	ug/kg	1020	5	09/28/20 13:22	09/29/20 03:23	156-59-2		
trans-1,2-Dichloroethene	ND	ug/kg	1020	5	09/28/20 13:22	09/29/20 03:23	156-60-5		
1,2-Dichloropropane	ND	ug/kg	1020	5	09/28/20 13:22	09/29/20 03:23	78-87-5	SS	
1,3-Dichloropropane	ND	ug/kg	1020	5	09/28/20 13:22	09/29/20 03:23	142-28-9		
2,2-Dichloropropane	ND	ug/kg	1020	5	09/28/20 13:22	09/29/20 03:23	594-20-7		
1,1-Dichloropropene	ND	ug/kg	1020	5	09/28/20 13:22	09/29/20 03:23	563-58-6		
cis-1,3-Dichloropropene	ND	ug/kg	1020	5	09/28/20 13:22	09/29/20 03:23	10061-01-5		
trans-1,3-Dichloropropene	ND	ug/kg	1020	5	09/28/20 13:22	09/29/20 03:23	10061-02-6		
Ethylbenzene	ND	ug/kg	1020	5	09/28/20 13:22	09/29/20 03:23	100-41-4		
Hexachloro-1,3-butadiene	ND	ug/kg	1020	5	09/28/20 13:22	09/29/20 03:23	87-68-3		
2-Hexanone	ND	ug/kg	4070	5	09/28/20 13:22	09/29/20 03:23	591-78-6		
Isopropylbenzene (Cumene)	2190	ug/kg	1020	5	09/28/20 13:22	09/29/20 03:23	98-82-8		
p-Isopropyltoluene	ND	ug/kg	1020	5	09/28/20 13:22	09/29/20 03:23	99-87-6	SS	
Methylene Chloride	ND	ug/kg	1020	5	09/28/20 13:22	09/29/20 03:23	75-09-2		
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	2040	5	09/28/20 13:22	09/29/20 03:23	108-10-1		
Methyl-tert-butyl ether	ND	ug/kg	1020	5	09/28/20 13:22	09/29/20 03:23	1634-04-4		
Naphthalene	ND	ug/kg	2040	5	09/28/20 13:22	09/29/20 03:23	91-20-3		
n-Propylbenzene	7230	ug/kg	1020	5	09/28/20 13:22	09/29/20 03:23	103-65-1		
Styrene	ND	ug/kg	1020	5	09/28/20 13:22	09/29/20 03:23	100-42-5		
1,1,1,2-Tetrachloroethane	ND	ug/kg	1020	5	09/28/20 13:22	09/29/20 03:23	630-20-6		
1,1,2,2-Tetrachloroethane	ND	ug/kg	1020	5	09/28/20 13:22	09/29/20 03:23	79-34-5		
Tetrachloroethene	ND	ug/kg	1020	5	09/28/20 13:22	09/29/20 03:23	127-18-4		
Toluene	ND	ug/kg	1020	5	09/28/20 13:22	09/29/20 03:23	108-88-3	SS	
1,2,3-Trichlorobenzene	ND	ug/kg	1020	5	09/28/20 13:22	09/29/20 03:23	87-61-6		
1,2,4-Trichlorobenzene	ND	ug/kg	1020	5	09/28/20 13:22	09/29/20 03:23	120-82-1		
1,1,1-Trichloroethane	ND	ug/kg	1020	5	09/28/20 13:22	09/29/20 03:23	71-55-6		
1,1,2-Trichloroethane	ND	ug/kg	1020	5	09/28/20 13:22	09/29/20 03:23	79-00-5		
Trichloroethene	ND	ug/kg	1020	5	09/28/20 13:22	09/29/20 03:23	79-01-6		
Trichlorofluoromethane	ND	ug/kg	1020	5	09/28/20 13:22	09/29/20 03:23	75-69-4		
1,2,3-Trichloropropane	ND	ug/kg	1020	5	09/28/20 13:22	09/29/20 03:23	96-18-4		
1,2,4-Trimethylbenzene	ND	ug/kg	1020	5	09/28/20 13:22	09/29/20 03:23	95-63-6		
1,3,5-Trimethylbenzene	ND	ug/kg	1020	5	09/28/20 13:22	09/29/20 03:23	108-67-8		
Vinyl chloride	ND	ug/kg	1020	5	09/28/20 13:22	09/29/20 03:23	75-01-4	SS	
Xylene (Total)	ND	ug/kg	1020	5	09/28/20 13:22	09/29/20 03:23	1330-20-7		
Surrogates									
Toluene-d8 (S)	103	%	80-120	5	09/28/20 13:22	09/29/20 03:23	2037-26-5		
4-Bromofluorobenzene (S)	98	%	83-119	5	09/28/20 13:22	09/29/20 03:23	460-00-4		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: PINE LAWN

Pace Project No.: 60349351

Sample: DPT-20-SO-(10-11) **Lab ID:** 60349351003 Collected: 09/23/20 17:07 Received: 09/24/20 04:44 Matrix: Solid

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

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035A VOA								
Analytical Method: EPA 8260B Preparation Method: EPA 5035A/5030B								
Pace Analytical Services - Kansas City								
Surrogates								
1,2-Dichloroethane-d4 (S)	94	%	78-118	5	09/28/20 13:22	09/29/20 03:23	17060-07-0	
8260 MSV GRO and Oxygenates								
Analytical Method: EPA 5035A/8260 Preparation Method: EPA 5035/5030								
Pace Analytical Services - Kansas City								
TPH-GRO	529	mg/kg	102	5	09/28/20 13:48	09/29/20 16:50		
Surrogates								
Toluene-d8 (S)	103	%	80-120	5	09/28/20 13:48	09/29/20 16:50	2037-26-5	
4-Bromofluorobenzene (S)	98	%	85-115	5	09/28/20 13:48	09/29/20 16:50	460-00-4	
1,2-Dichloroethane-d4 (S)	95	%	78-118	5	09/28/20 13:48	09/29/20 16:50	17060-07-0	
Percent Moisture								
Analytical Method: ASTM D2974								
Pace Analytical Services - Kansas City								
Percent Moisture	20.4	%	0.50	1		09/25/20 11:10		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: PINE LAWN

Pace Project No.: 60349351

Sample: DPT-21-SO-(15-16) **Lab ID:** 60349351004 **Collected:** 09/23/20 17:45 **Received:** 09/24/20 04:44 **Matrix:** Solid

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

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8082 GCS PCB SW								
Analytical Method: EPA 8082 Preparation Method: EPA 3546								
Pace Analytical Services - Kansas City								
PCB-1016 (Aroclor 1016)	ND	ug/kg	40.3	1	09/30/20 15:02	10/02/20 14:26	12674-11-2	
PCB-1221 (Aroclor 1221)	ND	ug/kg	40.3	1	09/30/20 15:02	10/02/20 14:26	11104-28-2	
PCB-1232 (Aroclor 1232)	ND	ug/kg	40.3	1	09/30/20 15:02	10/02/20 14:26	11141-16-5	
PCB-1242 (Aroclor 1242)	ND	ug/kg	40.3	1	09/30/20 15:02	10/02/20 14:26	53469-21-9	
PCB-1248 (Aroclor 1248)	ND	ug/kg	40.3	1	09/30/20 15:02	10/02/20 14:26	12672-29-6	
PCB-1254 (Aroclor 1254)	ND	ug/kg	40.3	1	09/30/20 15:02	10/02/20 14:26	11097-69-1	
PCB-1260 (Aroclor 1260)	ND	ug/kg	40.3	1	09/30/20 15:02	10/02/20 14:26	11096-82-5	
Surrogates								
Decachlorobiphenyl (S)	92	%	28-143	1	09/30/20 15:02	10/02/20 14:26	2051-24-3	
6010 MET ICP Red. Interference								
Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Pace Analytical Services - Kansas City								
Arsenic	7.3	mg/kg	1.1	1	10/02/20 10:03	10/05/20 20:41	7440-38-2	
Barium	124	mg/kg	0.53	1	10/02/20 10:03	10/05/20 20:41	7440-39-3	
Cadmium	ND	mg/kg	0.53	1	10/02/20 10:03	10/05/20 20:41	7440-43-9	
Chromium	26.2	mg/kg	0.53	1	10/02/20 10:03	10/05/20 20:41	7440-47-3	
Lead	15.5	mg/kg	1.1	1	10/02/20 10:03	10/05/20 20:41	7439-92-1	
Selenium	ND	mg/kg	1.6	1	10/02/20 10:03	10/05/20 20:41	7782-49-2	
Silver	ND	mg/kg	0.75	1	10/02/20 10:03	10/05/20 20:41	7440-22-4	
7471 Mercury								
Analytical Method: EPA 7471 Preparation Method: EPA 7471								
Pace Analytical Services - Kansas City								
Mercury	ND	mg/kg	0.056	1	09/30/20 18:07	10/01/20 13:21	7439-97-6	
8270 MSSV Semivolatiles								
Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Pace Analytical Services - Kansas City								
Acenaphthene	ND	ug/kg	396	1	09/29/20 13:22	10/06/20 00:32	83-32-9	
Acenaphthylene	ND	ug/kg	396	1	09/29/20 13:22	10/06/20 00:32	208-96-8	
Anthracene	ND	ug/kg	396	1	09/29/20 13:22	10/06/20 00:32	120-12-7	
Benzo(a)anthracene	ND	ug/kg	396	1	09/29/20 13:22	10/06/20 00:32	56-55-3	
Benzo(a)pyrene	ND	ug/kg	396	1	09/29/20 13:22	10/06/20 00:32	50-32-8	
Benzo(b)fluoranthene	ND	ug/kg	396	1	09/29/20 13:22	10/06/20 00:32	205-99-2	
Benzo(g,h,i)perylene	ND	ug/kg	396	1	09/29/20 13:22	10/06/20 00:32	191-24-2	
Benzo(k)fluoranthene	ND	ug/kg	396	1	09/29/20 13:22	10/06/20 00:32	207-08-9	
Benzoic Acid	ND	ug/kg	2000	1	09/29/20 13:22	10/06/20 00:32	65-85-0	L1
Benzyl alcohol	ND	ug/kg	791	1	09/29/20 13:22	10/06/20 00:32	100-51-6	
4-Bromophenylphenyl ether	ND	ug/kg	396	1	09/29/20 13:22	10/06/20 00:32	101-55-3	
Butylbenzylphthalate	ND	ug/kg	396	1	09/29/20 13:22	10/06/20 00:32	85-68-7	
Carbazole	ND	ug/kg	396	1	09/29/20 13:22	10/06/20 00:32	86-74-8	
4-Chloro-3-methylphenol	ND	ug/kg	791	1	09/29/20 13:22	10/06/20 00:32	59-50-7	
4-Chloroaniline	ND	ug/kg	791	1	09/29/20 13:22	10/06/20 00:32	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/kg	396	1	09/29/20 13:22	10/06/20 00:32	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/kg	396	1	09/29/20 13:22	10/06/20 00:32	111-44-4	
bis(2-Chloroisopropyl) ether	ND	ug/kg	396	1	09/29/20 13:22	10/06/20 00:32	108-60-1	
2-Chloronaphthalene	ND	ug/kg	396	1	09/29/20 13:22	10/06/20 00:32	91-58-7	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: PINE LAWN

Pace Project No.: 60349351

Sample: DPT-21-SO-(15-16) Lab ID: 60349351004 Collected: 09/23/20 17:45 Received: 09/24/20 04:44 Matrix: Solid

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

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Semivolatiles		Analytical Method: EPA 8270 Preparation Method: EPA 3546 Pace Analytical Services - Kansas City						
2-Chlorophenol	ND	ug/kg	396	1	09/29/20 13:22	10/06/20 00:32	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/kg	396	1	09/29/20 13:22	10/06/20 00:32	7005-72-3	
Chrysene	ND	ug/kg	396	1	09/29/20 13:22	10/06/20 00:32	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	396	1	09/29/20 13:22	10/06/20 00:32	53-70-3	
Dibenzofuran	ND	ug/kg	396	1	09/29/20 13:22	10/06/20 00:32	132-64-9	
1,2-Dichlorobenzene	ND	ug/kg	396	1	09/29/20 13:22	10/06/20 00:32	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	396	1	09/29/20 13:22	10/06/20 00:32	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	396	1	09/29/20 13:22	10/06/20 00:32	106-46-7	
3,3'-Dichlorobenzidine	ND	ug/kg	791	1	09/29/20 13:22	10/06/20 00:32	91-94-1	
2,4-Dichlorophenol	ND	ug/kg	396	1	09/29/20 13:22	10/06/20 00:32	120-83-2	
Diethylphthalate	ND	ug/kg	396	1	09/29/20 13:22	10/06/20 00:32	84-66-2	
2,4-Dimethylphenol	ND	ug/kg	396	1	09/29/20 13:22	10/06/20 00:32	105-67-9	
Dimethylphthalate	ND	ug/kg	396	1	09/29/20 13:22	10/06/20 00:32	131-11-3	
Di-n-butylphthalate	ND	ug/kg	396	1	09/29/20 13:22	10/06/20 00:32	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/kg	2000	1	09/29/20 13:22	10/06/20 00:32	534-52-1	
2,4-Dinitrophenol	ND	ug/kg	2000	1	09/29/20 13:22	10/06/20 00:32	51-28-5	
2,4-Dinitrotoluene	ND	ug/kg	396	1	09/29/20 13:22	10/06/20 00:32	121-14-2	
2,6-Dinitrotoluene	ND	ug/kg	396	1	09/29/20 13:22	10/06/20 00:32	606-20-2	
Di-n-octylphthalate	ND	ug/kg	396	1	09/29/20 13:22	10/06/20 00:32	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/kg	396	1	09/29/20 13:22	10/06/20 00:32	117-81-7	
Fluoranthene	ND	ug/kg	396	1	09/29/20 13:22	10/06/20 00:32	206-44-0	
Fluorene	ND	ug/kg	396	1	09/29/20 13:22	10/06/20 00:32	86-73-7	
Hexachloro-1,3-butadiene	ND	ug/kg	396	1	09/29/20 13:22	10/06/20 00:32	87-68-3	
Hexachlorobenzene	ND	ug/kg	396	1	09/29/20 13:22	10/06/20 00:32	118-74-1	
Hexachlorocyclopentadiene	ND	ug/kg	396	1	09/29/20 13:22	10/06/20 00:32	77-47-4	
Hexachloroethane	ND	ug/kg	396	1	09/29/20 13:22	10/06/20 00:32	67-72-1	
Indeno(1,2,3-cd)pyrene	ND	ug/kg	396	1	09/29/20 13:22	10/06/20 00:32	193-39-5	
Isophorone	ND	ug/kg	396	1	09/29/20 13:22	10/06/20 00:32	78-59-1	
2-Methylnaphthalene	1380	ug/kg	396	1	09/29/20 13:22	10/06/20 00:32	91-57-6	
2-Methylphenol(o-Cresol)	ND	ug/kg	396	1	09/29/20 13:22	10/06/20 00:32	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/kg	396	1	09/29/20 13:22	10/06/20 00:32	15831-10-4	
Naphthalene	2110	ug/kg	396	1	09/29/20 13:22	10/06/20 00:32	91-20-3	
2-Nitroaniline	ND	ug/kg	791	1	09/29/20 13:22	10/06/20 00:32	88-74-4	
3-Nitroaniline	ND	ug/kg	791	1	09/29/20 13:22	10/06/20 00:32	99-09-2	
4-Nitroaniline	ND	ug/kg	791	1	09/29/20 13:22	10/06/20 00:32	100-01-6	
Nitrobenzene	ND	ug/kg	396	1	09/29/20 13:22	10/06/20 00:32	98-95-3	
2-Nitrophenol	ND	ug/kg	396	1	09/29/20 13:22	10/06/20 00:32	88-75-5	
4-Nitrophenol	ND	ug/kg	2000	1	09/29/20 13:22	10/06/20 00:32	100-02-7	
N-Nitroso-di-n-propylamine	ND	ug/kg	396	1	09/29/20 13:22	10/06/20 00:32	621-64-7	
N-Nitrosodiphenylamine	ND	ug/kg	396	1	09/29/20 13:22	10/06/20 00:32	86-30-6	
Pentachlorophenol	ND	ug/kg	2000	1	09/29/20 13:22	10/06/20 00:32	87-86-5	
Phenanthrene	ND	ug/kg	396	1	09/29/20 13:22	10/06/20 00:32	85-01-8	
Phenol	ND	ug/kg	396	1	09/29/20 13:22	10/06/20 00:32	108-95-2	
Pyrene	ND	ug/kg	396	1	09/29/20 13:22	10/06/20 00:32	129-00-0	
Pyridine	ND	ug/kg	396	1	09/29/20 13:22	10/06/20 00:32	110-86-1	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: PINE LAWN

Pace Project No.: 60349351

Sample: DPT-21-SO-(15-16) **Lab ID:** 60349351004 **Collected:** 09/23/20 17:45 **Received:** 09/24/20 04:44 **Matrix:** Solid

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

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Semivolatiles								
Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Pace Analytical Services - Kansas City								
1,2,4-Trichlorobenzene	ND	ug/kg	396	1	09/29/20 13:22	10/06/20 00:32	120-82-1	
2,4,5-Trichlorophenol	ND	ug/kg	396	1	09/29/20 13:22	10/06/20 00:32	95-95-4	
2,4,6-Trichlorophenol	ND	ug/kg	396	1	09/29/20 13:22	10/06/20 00:32	88-06-2	
Surrogates								
Nitrobenzene-d5 (S)	90	%	33-132	1	09/29/20 13:22	10/06/20 00:32	4165-60-0	
2-Fluorobiphenyl (S)	64	%	39-136	1	09/29/20 13:22	10/06/20 00:32	321-60-8	
Terphenyl-d14 (S)	63	%	29-131	1	09/29/20 13:22	10/06/20 00:32	1718-51-0	
Phenol-d6 (S)	56	%	43-95	1	09/29/20 13:22	10/06/20 00:32	13127-88-3	
2-Fluorophenol (S)	57	%	43-96	1	09/29/20 13:22	10/06/20 00:32	367-12-4	
2,4,6-Tribromophenol (S)	55	%	41-108	1	09/29/20 13:22	10/06/20 00:32	118-79-6	
8270 MSSV DRO/ORO								
Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Pace Analytical Services - Kansas City								
TPH-ORO	ND	mg/kg	17.8	1	09/30/20 14:55	10/05/20 15:30		
TPH-DRO	841	mg/kg	17.8	1	09/30/20 14:55	10/05/20 15:30		
Surrogates								
Nitrobenzene-d5 (S)	129	%	33-132	1	09/30/20 14:55	10/05/20 15:30	4165-60-0	
2-Fluorobiphenyl (S)	93	%	39-136	1	09/30/20 14:55	10/05/20 15:30	321-60-8	
Terphenyl-d14 (S)	93	%	29-131	1	09/30/20 14:55	10/05/20 15:30	1718-51-0	
8260 MSV 5035A VOA								
Analytical Method: EPA 8260B Preparation Method: EPA 5035A/5030B								
Pace Analytical Services - Kansas City								
Acetone	ND	ug/kg	3320	5	09/28/20 13:22	09/29/20 03:38	67-64-1	
Benzene	3950	ug/kg	831	5	09/28/20 13:22	09/29/20 03:38	71-43-2	
Bromobenzene	ND	ug/kg	831	5	09/28/20 13:22	09/29/20 03:38	108-86-1	
Bromochloromethane	ND	ug/kg	831	5	09/28/20 13:22	09/29/20 03:38	74-97-5	
Bromodichloromethane	ND	ug/kg	831	5	09/28/20 13:22	09/29/20 03:38	75-27-4	
Bromoform	ND	ug/kg	831	5	09/28/20 13:22	09/29/20 03:38	75-25-2	
Bromomethane	ND	ug/kg	831	5	09/28/20 13:22	09/29/20 03:38	74-83-9	
2-Butanone (MEK)	ND	ug/kg	1660	5	09/28/20 13:22	09/29/20 03:38	78-93-3	
n-Butylbenzene	2100	ug/kg	831	5	09/28/20 13:22	09/29/20 03:38	104-51-8	
sec-Butylbenzene	1990	ug/kg	831	5	09/28/20 13:22	09/29/20 03:38	135-98-8	
tert-Butylbenzene	ND	ug/kg	4150	5	09/28/20 13:22	09/29/20 03:38	98-06-6	
Carbon disulfide	ND	ug/kg	831	5	09/28/20 13:22	09/29/20 03:38	75-15-0	
Carbon tetrachloride	ND	ug/kg	831	5	09/28/20 13:22	09/29/20 03:38	56-23-5	
Chlorobenzene	ND	ug/kg	831	5	09/28/20 13:22	09/29/20 03:38	108-90-7	
Chloroethane	ND	ug/kg	831	5	09/28/20 13:22	09/29/20 03:38	75-00-3	
Chloroform	ND	ug/kg	831	5	09/28/20 13:22	09/29/20 03:38	67-66-3	
Chloromethane	ND	ug/kg	831	5	09/28/20 13:22	09/29/20 03:38	74-87-3	
2-Chlorotoluene	ND	ug/kg	831	5	09/28/20 13:22	09/29/20 03:38	95-49-8	
4-Chlorotoluene	ND	ug/kg	831	5	09/28/20 13:22	09/29/20 03:38	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/kg	1660	5	09/28/20 13:22	09/29/20 03:38	96-12-8	
Dibromochloromethane	ND	ug/kg	831	5	09/28/20 13:22	09/29/20 03:38	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	831	5	09/28/20 13:22	09/29/20 03:38	106-93-4	
Dibromomethane	ND	ug/kg	831	5	09/28/20 13:22	09/29/20 03:38	74-95-3	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: PINE LAWN

Pace Project No.: 60349351

Sample: DPT-21-SO-(15-16) Lab ID: 60349351004 Collected: 09/23/20 17:45 Received: 09/24/20 04:44 Matrix: Solid

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

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035A VOA		Analytical Method: EPA 8260B Preparation Method: EPA 5035A/5030B Pace Analytical Services - Kansas City						
1,2-Dichlorobenzene	ND	ug/kg	831	5	09/28/20 13:22	09/29/20 03:38	95-50-1	SS
1,3-Dichlorobenzene	ND	ug/kg	831	5	09/28/20 13:22	09/29/20 03:38	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	831	5	09/28/20 13:22	09/29/20 03:38	106-46-7	
Dichlorodifluoromethane	ND	ug/kg	831	5	09/28/20 13:22	09/29/20 03:38	75-71-8	
1,1-Dichloroethane	ND	ug/kg	831	5	09/28/20 13:22	09/29/20 03:38	75-34-3	
1,2-Dichloroethane	ND	ug/kg	831	5	09/28/20 13:22	09/29/20 03:38	107-06-2	
1,2-Dichloroethene (Total)	ND	ug/kg	831	5	09/28/20 13:22	09/29/20 03:38	540-59-0	
1,1-Dichloroethene	ND	ug/kg	831	5	09/28/20 13:22	09/29/20 03:38	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	831	5	09/28/20 13:22	09/29/20 03:38	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	831	5	09/28/20 13:22	09/29/20 03:38	156-60-5	
1,2-Dichloropropane	ND	ug/kg	831	5	09/28/20 13:22	09/29/20 03:38	78-87-5	
1,3-Dichloropropane	ND	ug/kg	831	5	09/28/20 13:22	09/29/20 03:38	142-28-9	
2,2-Dichloropropane	ND	ug/kg	831	5	09/28/20 13:22	09/29/20 03:38	594-20-7	
1,1-Dichloropropene	ND	ug/kg	831	5	09/28/20 13:22	09/29/20 03:38	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	831	5	09/28/20 13:22	09/29/20 03:38	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	831	5	09/28/20 13:22	09/29/20 03:38	10061-02-6	
Ethylbenzene	9830	ug/kg	831	5	09/28/20 13:22	09/29/20 03:38	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/kg	831	5	09/28/20 13:22	09/29/20 03:38	87-68-3	
2-Hexanone	ND	ug/kg	3320	5	09/28/20 13:22	09/29/20 03:38	591-78-6	
Isopropylbenzene (Cumene)	5670	ug/kg	831	5	09/28/20 13:22	09/29/20 03:38	98-82-8	
p-Isopropyltoluene	1560	ug/kg	831	5	09/28/20 13:22	09/29/20 03:38	99-87-6	
Methylene Chloride	ND	ug/kg	831	5	09/28/20 13:22	09/29/20 03:38	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	1660	5	09/28/20 13:22	09/29/20 03:38	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	831	5	09/28/20 13:22	09/29/20 03:38	1634-04-4	
Naphthalene	3080	ug/kg	1660	5	09/28/20 13:22	09/29/20 03:38	91-20-3	
n-Propylbenzene	6810	ug/kg	831	5	09/28/20 13:22	09/29/20 03:38	103-65-1	
Styrene	ND	ug/kg	831	5	09/28/20 13:22	09/29/20 03:38	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	831	5	09/28/20 13:22	09/29/20 03:38	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	831	5	09/28/20 13:22	09/29/20 03:38	79-34-5	
Tetrachloroethene	ND	ug/kg	831	5	09/28/20 13:22	09/29/20 03:38	127-18-4	
Toluene	929	ug/kg	831	5	09/28/20 13:22	09/29/20 03:38	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	831	5	09/28/20 13:22	09/29/20 03:38	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	831	5	09/28/20 13:22	09/29/20 03:38	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	831	5	09/28/20 13:22	09/29/20 03:38	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	831	5	09/28/20 13:22	09/29/20 03:38	79-00-5	
Trichloroethene	ND	ug/kg	831	5	09/28/20 13:22	09/29/20 03:38	79-01-6	
Trichlorofluoromethane	ND	ug/kg	831	5	09/28/20 13:22	09/29/20 03:38	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	831	5	09/28/20 13:22	09/29/20 03:38	96-18-4	
1,2,4-Trimethylbenzene	17600	ug/kg	831	5	09/28/20 13:22	09/29/20 03:38	95-63-6	
1,3,5-Trimethylbenzene	3210	ug/kg	831	5	09/28/20 13:22	09/29/20 03:38	108-67-8	
Vinyl chloride	ND	ug/kg	831	5	09/28/20 13:22	09/29/20 03:38	75-01-4	
Xylene (Total)	12000	ug/kg	831	5	09/28/20 13:22	09/29/20 03:38	1330-20-7	
Surrogates								
Toluene-d8 (S)	108	%	80-120	5	09/28/20 13:22	09/29/20 03:38	2037-26-5	
4-Bromofluorobenzene (S)	96	%	83-119	5	09/28/20 13:22	09/29/20 03:38	460-00-4	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: PINE LAWN

Pace Project No.: 60349351

Sample: DPT-21-SO-(15-16) **Lab ID:** 60349351004 Collected: 09/23/20 17:45 Received: 09/24/20 04:44 Matrix: Solid

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

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035A VOA								
Analytical Method: EPA 8260B Preparation Method: EPA 5035A/5030B								
Pace Analytical Services - Kansas City								
Surrogates								
1,2-Dichloroethane-d4 (S)	93	%	78-118	5	09/28/20 13:22	09/29/20 03:38	17060-07-0	
8260 MSV GRO and Oxygenates								
Analytical Method: EPA 5035A/8260 Preparation Method: EPA 5035/5030								
Pace Analytical Services - Kansas City								
TPH-GRO	1070	mg/kg	83.1	5	09/28/20 13:48	09/29/20 17:05		
Surrogates								
Toluene-d8 (S)	111	%	80-120	5	09/28/20 13:48	09/29/20 17:05	2037-26-5	
4-Bromofluorobenzene (S)	97	%	85-115	5	09/28/20 13:48	09/29/20 17:05	460-00-4	
1,2-Dichloroethane-d4 (S)	91	%	78-118	5	09/28/20 13:48	09/29/20 17:05	17060-07-0	
Percent Moisture								
Analytical Method: ASTM D2974								
Pace Analytical Services - Kansas City								
Percent Moisture	19.3	%	0.50	1		09/25/20 11:10		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: PINE LAWN

Pace Project No.: 60349351

Sample: DPT-21-SO-(15-16)-FD **Lab ID:** 60349351005 **Collected:** 09/23/20 17:45 **Received:** 09/24/20 04:44 **Matrix:** Solid

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

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8082 GCS PCB SW								
Analytical Method: EPA 8082 Preparation Method: EPA 3546								
Pace Analytical Services - Kansas City								
PCB-1016 (Aroclor 1016)	ND	ug/kg	39.2	1	09/30/20 15:02	10/02/20 14:44	12674-11-2	
PCB-1221 (Aroclor 1221)	ND	ug/kg	39.2	1	09/30/20 15:02	10/02/20 14:44	11104-28-2	
PCB-1232 (Aroclor 1232)	ND	ug/kg	39.2	1	09/30/20 15:02	10/02/20 14:44	11141-16-5	
PCB-1242 (Aroclor 1242)	ND	ug/kg	39.2	1	09/30/20 15:02	10/02/20 14:44	53469-21-9	
PCB-1248 (Aroclor 1248)	ND	ug/kg	39.2	1	09/30/20 15:02	10/02/20 14:44	12672-29-6	
PCB-1254 (Aroclor 1254)	ND	ug/kg	39.2	1	09/30/20 15:02	10/02/20 14:44	11097-69-1	
PCB-1260 (Aroclor 1260)	ND	ug/kg	39.2	1	09/30/20 15:02	10/02/20 14:44	11096-82-5	
Surrogates								
Decachlorobiphenyl (S)	91	%	28-143	1	09/30/20 15:02	10/02/20 14:44	2051-24-3	
6010 MET ICP Red. Interference								
Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Pace Analytical Services - Kansas City								
Arsenic	7.1	mg/kg	1.1	1	10/02/20 10:03	10/05/20 20:43	7440-38-2	
Barium	124	mg/kg	0.53	1	10/02/20 10:03	10/05/20 20:43	7440-39-3	
Cadmium	ND	mg/kg	0.53	1	10/02/20 10:03	10/05/20 20:43	7440-43-9	
Chromium	27.2	mg/kg	0.53	1	10/02/20 10:03	10/05/20 20:43	7440-47-3	
Lead	13.0	mg/kg	1.1	1	10/02/20 10:03	10/05/20 20:43	7439-92-1	
Selenium	ND	mg/kg	1.6	1	10/02/20 10:03	10/05/20 20:43	7782-49-2	
Silver	ND	mg/kg	0.75	1	10/02/20 10:03	10/05/20 20:43	7440-22-4	
7471 Mercury								
Analytical Method: EPA 7471 Preparation Method: EPA 7471								
Pace Analytical Services - Kansas City								
Mercury	ND	mg/kg	0.050	1	09/30/20 18:07	10/01/20 13:23	7439-97-6	
8270 MSSV Semivolatiles								
Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Pace Analytical Services - Kansas City								
Acenaphthene	ND	ug/kg	397	1	09/29/20 13:22	10/06/20 00:53	83-32-9	
Acenaphthylene	ND	ug/kg	397	1	09/29/20 13:22	10/06/20 00:53	208-96-8	
Anthracene	ND	ug/kg	397	1	09/29/20 13:22	10/06/20 00:53	120-12-7	
Benzo(a)anthracene	ND	ug/kg	397	1	09/29/20 13:22	10/06/20 00:53	56-55-3	
Benzo(a)pyrene	ND	ug/kg	397	1	09/29/20 13:22	10/06/20 00:53	50-32-8	
Benzo(b)fluoranthene	ND	ug/kg	397	1	09/29/20 13:22	10/06/20 00:53	205-99-2	
Benzo(g,h,i)perylene	ND	ug/kg	397	1	09/29/20 13:22	10/06/20 00:53	191-24-2	
Benzo(k)fluoranthene	ND	ug/kg	397	1	09/29/20 13:22	10/06/20 00:53	207-08-9	
Benzoic Acid	ND	ug/kg	2010	1	09/29/20 13:22	10/06/20 00:53	65-85-0	L1
Benzyl alcohol	ND	ug/kg	794	1	09/29/20 13:22	10/06/20 00:53	100-51-6	
4-Bromophenylphenyl ether	ND	ug/kg	397	1	09/29/20 13:22	10/06/20 00:53	101-55-3	
Butylbenzylphthalate	ND	ug/kg	397	1	09/29/20 13:22	10/06/20 00:53	85-68-7	
Carbazole	ND	ug/kg	397	1	09/29/20 13:22	10/06/20 00:53	86-74-8	
4-Chloro-3-methylphenol	ND	ug/kg	794	1	09/29/20 13:22	10/06/20 00:53	59-50-7	
4-Chloroaniline	ND	ug/kg	794	1	09/29/20 13:22	10/06/20 00:53	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/kg	397	1	09/29/20 13:22	10/06/20 00:53	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/kg	397	1	09/29/20 13:22	10/06/20 00:53	111-44-4	
bis(2-Chloroisopropyl) ether	ND	ug/kg	397	1	09/29/20 13:22	10/06/20 00:53	108-60-1	
2-Chloronaphthalene	ND	ug/kg	397	1	09/29/20 13:22	10/06/20 00:53	91-58-7	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: PINE LAWN

Pace Project No.: 60349351

Sample: DPT-21-SO-(15-16)-FD Lab ID: 60349351005 Collected: 09/23/20 17:45 Received: 09/24/20 04:44 Matrix: Solid

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

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Semivolatiles		Analytical Method: EPA 8270 Preparation Method: EPA 3546 Pace Analytical Services - Kansas City						
2-Chlorophenol	ND	ug/kg	397	1	09/29/20 13:22	10/06/20 00:53	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/kg	397	1	09/29/20 13:22	10/06/20 00:53	7005-72-3	
Chrysene	ND	ug/kg	397	1	09/29/20 13:22	10/06/20 00:53	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	397	1	09/29/20 13:22	10/06/20 00:53	53-70-3	
Dibenzofuran	ND	ug/kg	397	1	09/29/20 13:22	10/06/20 00:53	132-64-9	
1,2-Dichlorobenzene	ND	ug/kg	397	1	09/29/20 13:22	10/06/20 00:53	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	397	1	09/29/20 13:22	10/06/20 00:53	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	397	1	09/29/20 13:22	10/06/20 00:53	106-46-7	
3,3'-Dichlorobenzidine	ND	ug/kg	794	1	09/29/20 13:22	10/06/20 00:53	91-94-1	
2,4-Dichlorophenol	ND	ug/kg	397	1	09/29/20 13:22	10/06/20 00:53	120-83-2	
Diethylphthalate	ND	ug/kg	397	1	09/29/20 13:22	10/06/20 00:53	84-66-2	
2,4-Dimethylphenol	ND	ug/kg	397	1	09/29/20 13:22	10/06/20 00:53	105-67-9	
Dimethylphthalate	ND	ug/kg	397	1	09/29/20 13:22	10/06/20 00:53	131-11-3	
Di-n-butylphthalate	ND	ug/kg	397	1	09/29/20 13:22	10/06/20 00:53	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/kg	2010	1	09/29/20 13:22	10/06/20 00:53	534-52-1	
2,4-Dinitrophenol	ND	ug/kg	2010	1	09/29/20 13:22	10/06/20 00:53	51-28-5	
2,4-Dinitrotoluene	ND	ug/kg	397	1	09/29/20 13:22	10/06/20 00:53	121-14-2	
2,6-Dinitrotoluene	ND	ug/kg	397	1	09/29/20 13:22	10/06/20 00:53	606-20-2	
Di-n-octylphthalate	ND	ug/kg	397	1	09/29/20 13:22	10/06/20 00:53	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/kg	397	1	09/29/20 13:22	10/06/20 00:53	117-81-7	
Fluoranthene	ND	ug/kg	397	1	09/29/20 13:22	10/06/20 00:53	206-44-0	
Fluorene	ND	ug/kg	397	1	09/29/20 13:22	10/06/20 00:53	86-73-7	
Hexachloro-1,3-butadiene	ND	ug/kg	397	1	09/29/20 13:22	10/06/20 00:53	87-68-3	
Hexachlorobenzene	ND	ug/kg	397	1	09/29/20 13:22	10/06/20 00:53	118-74-1	
Hexachlorocyclopentadiene	ND	ug/kg	397	1	09/29/20 13:22	10/06/20 00:53	77-47-4	
Hexachloroethane	ND	ug/kg	397	1	09/29/20 13:22	10/06/20 00:53	67-72-1	
Indeno(1,2,3-cd)pyrene	ND	ug/kg	397	1	09/29/20 13:22	10/06/20 00:53	193-39-5	
Isophorone	ND	ug/kg	397	1	09/29/20 13:22	10/06/20 00:53	78-59-1	
2-Methylnaphthalene	1770	ug/kg	397	1	09/29/20 13:22	10/06/20 00:53	91-57-6	
2-Methylphenol(o-Cresol)	ND	ug/kg	397	1	09/29/20 13:22	10/06/20 00:53	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/kg	397	1	09/29/20 13:22	10/06/20 00:53	15831-10-4	
Naphthalene	2510	ug/kg	397	1	09/29/20 13:22	10/06/20 00:53	91-20-3	
2-Nitroaniline	ND	ug/kg	794	1	09/29/20 13:22	10/06/20 00:53	88-74-4	
3-Nitroaniline	ND	ug/kg	794	1	09/29/20 13:22	10/06/20 00:53	99-09-2	
4-Nitroaniline	ND	ug/kg	794	1	09/29/20 13:22	10/06/20 00:53	100-01-6	
Nitrobenzene	ND	ug/kg	397	1	09/29/20 13:22	10/06/20 00:53	98-95-3	
2-Nitrophenol	ND	ug/kg	397	1	09/29/20 13:22	10/06/20 00:53	88-75-5	
4-Nitrophenol	ND	ug/kg	2010	1	09/29/20 13:22	10/06/20 00:53	100-02-7	
N-Nitroso-di-n-propylamine	ND	ug/kg	397	1	09/29/20 13:22	10/06/20 00:53	621-64-7	
N-Nitrosodiphenylamine	ND	ug/kg	397	1	09/29/20 13:22	10/06/20 00:53	86-30-6	
Pentachlorophenol	ND	ug/kg	2010	1	09/29/20 13:22	10/06/20 00:53	87-86-5	
Phenanthrene	ND	ug/kg	397	1	09/29/20 13:22	10/06/20 00:53	85-01-8	
Phenol	ND	ug/kg	397	1	09/29/20 13:22	10/06/20 00:53	108-95-2	
Pyrene	ND	ug/kg	397	1	09/29/20 13:22	10/06/20 00:53	129-00-0	
Pyridine	ND	ug/kg	397	1	09/29/20 13:22	10/06/20 00:53	110-86-1	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: PINE LAWN

Pace Project No.: 60349351

Sample: DPT-21-SO-(15-16)-FD **Lab ID:** 60349351005 **Collected:** 09/23/20 17:45 **Received:** 09/24/20 04:44 **Matrix:** Solid

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

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
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8270 MSSV Semivolatiles

Analytical Method: EPA 8270 Preparation Method: EPA 3546

Pace Analytical Services - Kansas City

1,2,4-Trichlorobenzene	ND	ug/kg	397	1	09/29/20 13:22	10/06/20 00:53	120-82-1	
2,4,5-Trichlorophenol	ND	ug/kg	397	1	09/29/20 13:22	10/06/20 00:53	95-95-4	
2,4,6-Trichlorophenol	ND	ug/kg	397	1	09/29/20 13:22	10/06/20 00:53	88-06-2	
Surrogates								
Nitrobenzene-d5 (S)	105	%	33-132	1	09/29/20 13:22	10/06/20 00:53	4165-60-0	
2-Fluorobiphenyl (S)	68	%	39-136	1	09/29/20 13:22	10/06/20 00:53	321-60-8	
Terphenyl-d14 (S)	68	%	29-131	1	09/29/20 13:22	10/06/20 00:53	1718-51-0	
Phenol-d6 (S)	58	%	43-95	1	09/29/20 13:22	10/06/20 00:53	13127-88-3	
2-Fluorophenol (S)	60	%	43-96	1	09/29/20 13:22	10/06/20 00:53	367-12-4	
2,4,6-Tribromophenol (S)	61	%	41-108	1	09/29/20 13:22	10/06/20 00:53	118-79-6	

8270 MSSV DRO/ORO

Analytical Method: EPA 8270 Preparation Method: EPA 3546

Pace Analytical Services - Kansas City

TPH-ORO	ND	mg/kg	18.0	1	09/30/20 14:55	10/05/20 15:50		
TPH-DRO	701	mg/kg	18.0	1	09/30/20 14:55	10/05/20 15:50		
Surrogates								
Nitrobenzene-d5 (S)	121	%	33-132	1	09/30/20 14:55	10/05/20 15:50	4165-60-0	
2-Fluorobiphenyl (S)	91	%	39-136	1	09/30/20 14:55	10/05/20 15:50	321-60-8	
Terphenyl-d14 (S)	91	%	29-131	1	09/30/20 14:55	10/05/20 15:50	1718-51-0	

8260 MSV 5035A VOA

Analytical Method: EPA 8260B Preparation Method: EPA 5035A/5030B

Pace Analytical Services - Kansas City

Acetone	ND	ug/kg	3600	5	09/28/20 13:22	09/29/20 03:54	67-64-1	
Benzene	3320	ug/kg	900	5	09/28/20 13:22	09/29/20 03:54	71-43-2	
Bromobenzene	ND	ug/kg	900	5	09/28/20 13:22	09/29/20 03:54	108-86-1	
Bromochloromethane	ND	ug/kg	900	5	09/28/20 13:22	09/29/20 03:54	74-97-5	
Bromodichloromethane	ND	ug/kg	900	5	09/28/20 13:22	09/29/20 03:54	75-27-4	
Bromoform	ND	ug/kg	900	5	09/28/20 13:22	09/29/20 03:54	75-25-2	
Bromomethane	ND	ug/kg	900	5	09/28/20 13:22	09/29/20 03:54	74-83-9	
2-Butanone (MEK)	ND	ug/kg	1800	5	09/28/20 13:22	09/29/20 03:54	78-93-3	
n-Butylbenzene	2410	ug/kg	900	5	09/28/20 13:22	09/29/20 03:54	104-51-8	
sec-Butylbenzene	2140	ug/kg	900	5	09/28/20 13:22	09/29/20 03:54	135-98-8	
tert-Butylbenzene	ND	ug/kg	4500	5	09/28/20 13:22	09/29/20 03:54	98-06-6	
Carbon disulfide	ND	ug/kg	900	5	09/28/20 13:22	09/29/20 03:54	75-15-0	
Carbon tetrachloride	ND	ug/kg	900	5	09/28/20 13:22	09/29/20 03:54	56-23-5	
Chlorobenzene	ND	ug/kg	900	5	09/28/20 13:22	09/29/20 03:54	108-90-7	
Chloroethane	ND	ug/kg	900	5	09/28/20 13:22	09/29/20 03:54	75-00-3	
Chloroform	ND	ug/kg	900	5	09/28/20 13:22	09/29/20 03:54	67-66-3	
Chloromethane	ND	ug/kg	900	5	09/28/20 13:22	09/29/20 03:54	74-87-3	
2-Chlorotoluene	ND	ug/kg	900	5	09/28/20 13:22	09/29/20 03:54	95-49-8	
4-Chlorotoluene	ND	ug/kg	900	5	09/28/20 13:22	09/29/20 03:54	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/kg	1800	5	09/28/20 13:22	09/29/20 03:54	96-12-8	
Dibromochloromethane	ND	ug/kg	900	5	09/28/20 13:22	09/29/20 03:54	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	900	5	09/28/20 13:22	09/29/20 03:54	106-93-4	
Dibromomethane	ND	ug/kg	900	5	09/28/20 13:22	09/29/20 03:54	74-95-3	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: PINE LAWN

Pace Project No.: 60349351

Sample: DPT-21-SO-(15-16)-FD Lab ID: 60349351005 Collected: 09/23/20 17:45 Received: 09/24/20 04:44 Matrix: Solid

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

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035A VOA		Analytical Method: EPA 8260B Preparation Method: EPA 5035A/5030B Pace Analytical Services - Kansas City						
1,2-Dichlorobenzene	ND	ug/kg	900	5	09/28/20 13:22	09/29/20 03:54	95-50-1	SS
1,3-Dichlorobenzene	ND	ug/kg	900	5	09/28/20 13:22	09/29/20 03:54	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	900	5	09/28/20 13:22	09/29/20 03:54	106-46-7	
Dichlorodifluoromethane	ND	ug/kg	900	5	09/28/20 13:22	09/29/20 03:54	75-71-8	
1,1-Dichloroethane	ND	ug/kg	900	5	09/28/20 13:22	09/29/20 03:54	75-34-3	
1,2-Dichloroethane	ND	ug/kg	900	5	09/28/20 13:22	09/29/20 03:54	107-06-2	
1,2-Dichloroethene (Total)	ND	ug/kg	900	5	09/28/20 13:22	09/29/20 03:54	540-59-0	
1,1-Dichloroethene	ND	ug/kg	900	5	09/28/20 13:22	09/29/20 03:54	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	900	5	09/28/20 13:22	09/29/20 03:54	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	900	5	09/28/20 13:22	09/29/20 03:54	156-60-5	
1,2-Dichloropropane	ND	ug/kg	900	5	09/28/20 13:22	09/29/20 03:54	78-87-5	
1,3-Dichloropropane	ND	ug/kg	900	5	09/28/20 13:22	09/29/20 03:54	142-28-9	
2,2-Dichloropropane	ND	ug/kg	900	5	09/28/20 13:22	09/29/20 03:54	594-20-7	
1,1-Dichloropropene	ND	ug/kg	900	5	09/28/20 13:22	09/29/20 03:54	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	900	5	09/28/20 13:22	09/29/20 03:54	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	900	5	09/28/20 13:22	09/29/20 03:54	10061-02-6	
Ethylbenzene	8680	ug/kg	900	5	09/28/20 13:22	09/29/20 03:54	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/kg	900	5	09/28/20 13:22	09/29/20 03:54	87-68-3	
2-Hexanone	ND	ug/kg	3600	5	09/28/20 13:22	09/29/20 03:54	591-78-6	
Isopropylbenzene (Cumene)	5350	ug/kg	900	5	09/28/20 13:22	09/29/20 03:54	98-82-8	
p-Isopropyltoluene	1760	ug/kg	900	5	09/28/20 13:22	09/29/20 03:54	99-87-6	
Methylene Chloride	ND	ug/kg	900	5	09/28/20 13:22	09/29/20 03:54	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	1800	5	09/28/20 13:22	09/29/20 03:54	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	900	5	09/28/20 13:22	09/29/20 03:54	1634-04-4	
Naphthalene	3030	ug/kg	1800	5	09/28/20 13:22	09/29/20 03:54	91-20-3	
n-Propylbenzene	6620	ug/kg	900	5	09/28/20 13:22	09/29/20 03:54	103-65-1	
Styrene	ND	ug/kg	900	5	09/28/20 13:22	09/29/20 03:54	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	900	5	09/28/20 13:22	09/29/20 03:54	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	900	5	09/28/20 13:22	09/29/20 03:54	79-34-5	
Tetrachloroethene	ND	ug/kg	900	5	09/28/20 13:22	09/29/20 03:54	127-18-4	
Toluene	ND	ug/kg	900	5	09/28/20 13:22	09/29/20 03:54	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	900	5	09/28/20 13:22	09/29/20 03:54	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	900	5	09/28/20 13:22	09/29/20 03:54	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	900	5	09/28/20 13:22	09/29/20 03:54	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	900	5	09/28/20 13:22	09/29/20 03:54	79-00-5	
Trichloroethene	ND	ug/kg	900	5	09/28/20 13:22	09/29/20 03:54	79-01-6	
Trichlorofluoromethane	ND	ug/kg	900	5	09/28/20 13:22	09/29/20 03:54	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	900	5	09/28/20 13:22	09/29/20 03:54	96-18-4	
1,2,4-Trimethylbenzene	22200	ug/kg	900	5	09/28/20 13:22	09/29/20 03:54	95-63-6	
1,3,5-Trimethylbenzene	3930	ug/kg	900	5	09/28/20 13:22	09/29/20 03:54	108-67-8	
Vinyl chloride	ND	ug/kg	900	5	09/28/20 13:22	09/29/20 03:54	75-01-4	
Xylene (Total)	12300	ug/kg	900	5	09/28/20 13:22	09/29/20 03:54	1330-20-7	
Surrogates								
Toluene-d8 (S)	109	%	80-120	5	09/28/20 13:22	09/29/20 03:54	2037-26-5	
4-Bromofluorobenzene (S)	97	%	83-119	5	09/28/20 13:22	09/29/20 03:54	460-00-4	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: PINE LAWN

Pace Project No.: 60349351

Sample: DPT-21-SO-(15-16)-FD **Lab ID:** 60349351005 Collected: 09/23/20 17:45 Received: 09/24/20 04:44 Matrix: Solid

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

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035A VOA								
Analytical Method: EPA 8260B Preparation Method: EPA 5035A/5030B								
Pace Analytical Services - Kansas City								
Surrogates								
1,2-Dichloroethane-d4 (S)	93	%	78-118	5	09/28/20 13:22	09/29/20 03:54	17060-07-0	
8260 MSV GRO and Oxygenates								
Analytical Method: EPA 5035A/8260 Preparation Method: EPA 5035/5030								
Pace Analytical Services - Kansas City								
TPH-GRO	1510	mg/kg	90.0	5	09/28/20 13:48	09/29/20 17:21		
Surrogates								
Toluene-d8 (S)	109	%	80-120	5	09/28/20 13:48	09/29/20 17:21	2037-26-5	
4-Bromofluorobenzene (S)	98	%	85-115	5	09/28/20 13:48	09/29/20 17:21	460-00-4	
1,2-Dichloroethane-d4 (S)	89	%	78-118	5	09/28/20 13:48	09/29/20 17:21	17060-07-0	
Percent Moisture								
Analytical Method: ASTM D2974								
Pace Analytical Services - Kansas City								
Percent Moisture	19.0	%	0.50	1		09/25/20 11:10		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: PINE LAWN

Pace Project No.: 60349351

Sample: PINE LAWN-SO-TB7 **Lab ID: 60349351006** Collected: 09/23/20 18:07 Received: 09/24/20 04:44 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035A VOA		Analytical Method: EPA 8260B Preparation Method: EPA 5035A/5030 Pace Analytical Services - Kansas City						
Acetone	ND	ug/kg	20.0	1	09/26/20 10:39	09/26/20 16:24	67-64-1	
Benzene	ND	ug/kg	5.0	1	09/26/20 10:39	09/26/20 16:24	71-43-2	
Bromobenzene	ND	ug/kg	5.0	1	09/26/20 10:39	09/26/20 16:24	108-86-1	
Bromochloromethane	ND	ug/kg	5.0	1	09/26/20 10:39	09/26/20 16:24	74-97-5	
Bromodichloromethane	ND	ug/kg	5.0	1	09/26/20 10:39	09/26/20 16:24	75-27-4	
Bromoform	ND	ug/kg	5.0	1	09/26/20 10:39	09/26/20 16:24	75-25-2	
Bromomethane	ND	ug/kg	5.0	1	09/26/20 10:39	09/26/20 16:24	74-83-9	
2-Butanone (MEK)	ND	ug/kg	10.0	1	09/26/20 10:39	09/26/20 16:24	78-93-3	
n-Butylbenzene	ND	ug/kg	5.0	1	09/26/20 10:39	09/26/20 16:24	104-51-8	
sec-Butylbenzene	ND	ug/kg	5.0	1	09/26/20 10:39	09/26/20 16:24	135-98-8	
tert-Butylbenzene	ND	ug/kg	25.0	1	09/26/20 10:39	09/26/20 16:24	98-06-6	
Carbon disulfide	ND	ug/kg	5.0	1	09/26/20 10:39	09/26/20 16:24	75-15-0	
Carbon tetrachloride	ND	ug/kg	5.0	1	09/26/20 10:39	09/26/20 16:24	56-23-5	
Chlorobenzene	ND	ug/kg	5.0	1	09/26/20 10:39	09/26/20 16:24	108-90-7	
Chloroethane	ND	ug/kg	5.0	1	09/26/20 10:39	09/26/20 16:24	75-00-3	
Chloroform	ND	ug/kg	5.0	1	09/26/20 10:39	09/26/20 16:24	67-66-3	
Chloromethane	ND	ug/kg	5.0	1	09/26/20 10:39	09/26/20 16:24	74-87-3	
2-Chlorotoluene	ND	ug/kg	5.0	1	09/26/20 10:39	09/26/20 16:24	95-49-8	
4-Chlorotoluene	ND	ug/kg	5.0	1	09/26/20 10:39	09/26/20 16:24	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/kg	10.0	1	09/26/20 10:39	09/26/20 16:24	96-12-8	
Dibromochloromethane	ND	ug/kg	5.0	1	09/26/20 10:39	09/26/20 16:24	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	5.0	1	09/26/20 10:39	09/26/20 16:24	106-93-4	
Dibromomethane	ND	ug/kg	5.0	1	09/26/20 10:39	09/26/20 16:24	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	5.0	1	09/26/20 10:39	09/26/20 16:24	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	5.0	1	09/26/20 10:39	09/26/20 16:24	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	5.0	1	09/26/20 10:39	09/26/20 16:24	106-46-7	
Dichlorodifluoromethane	ND	ug/kg	5.0	1	09/26/20 10:39	09/26/20 16:24	75-71-8	SS
1,1-Dichloroethane	ND	ug/kg	5.0	1	09/26/20 10:39	09/26/20 16:24	75-34-3	
1,2-Dichloroethane	ND	ug/kg	5.0	1	09/26/20 10:39	09/26/20 16:24	107-06-2	
1,2-Dichloroethene (Total)	ND	ug/kg	5.0	1	09/26/20 10:39	09/26/20 16:24	540-59-0	
1,1-Dichloroethene	ND	ug/kg	5.0	1	09/26/20 10:39	09/26/20 16:24	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	5.0	1	09/26/20 10:39	09/26/20 16:24	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	5.0	1	09/26/20 10:39	09/26/20 16:24	156-60-5	
1,2-Dichloropropane	ND	ug/kg	5.0	1	09/26/20 10:39	09/26/20 16:24	78-87-5	
1,3-Dichloropropane	ND	ug/kg	5.0	1	09/26/20 10:39	09/26/20 16:24	142-28-9	
2,2-Dichloropropane	ND	ug/kg	5.0	1	09/26/20 10:39	09/26/20 16:24	594-20-7	
1,1-Dichloropropene	ND	ug/kg	5.0	1	09/26/20 10:39	09/26/20 16:24	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	5.0	1	09/26/20 10:39	09/26/20 16:24	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	5.0	1	09/26/20 10:39	09/26/20 16:24	10061-02-6	
Ethylbenzene	ND	ug/kg	5.0	1	09/26/20 10:39	09/26/20 16:24	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/kg	5.0	1	09/26/20 10:39	09/26/20 16:24	87-68-3	
2-Hexanone	ND	ug/kg	20.0	1	09/26/20 10:39	09/26/20 16:24	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/kg	5.0	1	09/26/20 10:39	09/26/20 16:24	98-82-8	
p-Isopropyltoluene	ND	ug/kg	5.0	1	09/26/20 10:39	09/26/20 16:24	99-87-6	
Methylene Chloride	ND	ug/kg	5.0	1	09/26/20 10:39	09/26/20 16:24	75-09-2	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: PINE LAWN

Pace Project No.: 60349351

Sample: PINE LAWN-SO-TB7 Lab ID: 60349351006 Collected: 09/23/20 18:07 Received: 09/24/20 04:44 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035A VOA								
Analytical Method: EPA 8260B Preparation Method: EPA 5035A/5030								
Pace Analytical Services - Kansas City								
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	10.0	1	09/26/20 10:39	09/26/20 16:24	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	5.0	1	09/26/20 10:39	09/26/20 16:24	1634-04-4	
Naphthalene	ND	ug/kg	10.0	1	09/26/20 10:39	09/26/20 16:24	91-20-3	
n-Propylbenzene	ND	ug/kg	5.0	1	09/26/20 10:39	09/26/20 16:24	103-65-1	
Styrene	ND	ug/kg	5.0	1	09/26/20 10:39	09/26/20 16:24	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	5.0	1	09/26/20 10:39	09/26/20 16:24	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	5.0	1	09/26/20 10:39	09/26/20 16:24	79-34-5	
Tetrachloroethene	ND	ug/kg	5.0	1	09/26/20 10:39	09/26/20 16:24	127-18-4	
Toluene	8.4	ug/kg	5.0	1	09/26/20 10:39	09/26/20 16:24	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	5.0	1	09/26/20 10:39	09/26/20 16:24	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	5.0	1	09/26/20 10:39	09/26/20 16:24	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	5.0	1	09/26/20 10:39	09/26/20 16:24	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	5.0	1	09/26/20 10:39	09/26/20 16:24	79-00-5	
Trichloroethene	ND	ug/kg	5.0	1	09/26/20 10:39	09/26/20 16:24	79-01-6	
Trichlorofluoromethane	ND	ug/kg	5.0	1	09/26/20 10:39	09/26/20 16:24	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	5.0	1	09/26/20 10:39	09/26/20 16:24	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/kg	5.0	1	09/26/20 10:39	09/26/20 16:24	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	5.0	1	09/26/20 10:39	09/26/20 16:24	108-67-8	
Vinyl chloride	ND	ug/kg	5.0	1	09/26/20 10:39	09/26/20 16:24	75-01-4	
Xylene (Total)	ND	ug/kg	5.0	1	09/26/20 10:39	09/26/20 16:24	1330-20-7	
Surrogates								
Toluene-d8 (S)	103	%	80-120	1	09/26/20 10:39	09/26/20 16:24	2037-26-5	
4-Bromofluorobenzene (S)	97	%	85-115	1	09/26/20 10:39	09/26/20 16:24	460-00-4	
1,2-Dichloroethane-d4 (S)	95	%	78-118	1	09/26/20 10:39	09/26/20 16:24	17060-07-0	

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: PINE LAWN

Pace Project No.: 60349351

QC Batch: 679970

Analysis Method: EPA 7471

QC Batch Method: EPA 7471

Analysis Description: 7471 Mercury

Laboratory: Pace Analytical Services - Kansas City

Associated Lab Samples: 60349351001, 60349351002, 60349351003, 60349351004, 60349351005

METHOD BLANK: 2748882

Matrix: Solid

Associated Lab Samples: 60349351001, 60349351002, 60349351003, 60349351004, 60349351005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury	mg/kg	ND	0.050	10/01/20 12:26	

LABORATORY CONTROL SAMPLE: 2748883

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	mg/kg	0.5	0.52	104	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2748884 2748885

Parameter	Units	60349230001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	mg/kg	ND	0.53	0.52	0.58	0.53	102	96	75-125	8	20	

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QUALITY CONTROL DATA

Project: PINE LAWN

Pace Project No.: 60349351

QC Batch: 680402

Analysis Method: EPA 6010

QC Batch Method: EPA 3050

Analysis Description: 6010 MET

Laboratory: Pace Analytical Services - Kansas City

Associated Lab Samples: 60349351001, 60349351002, 60349351003, 60349351004, 60349351005

METHOD BLANK: 2750588

Matrix: Solid

Associated Lab Samples: 60349351001, 60349351002, 60349351003, 60349351004, 60349351005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Arsenic	mg/kg	ND	1.0	10/05/20 20:10	
Barium	mg/kg	ND	0.50	10/05/20 20:10	
Cadmium	mg/kg	ND	0.50	10/05/20 20:10	
Chromium	mg/kg	ND	0.50	10/05/20 20:10	
Lead	mg/kg	ND	1.0	10/05/20 20:10	
Selenium	mg/kg	ND	1.5	10/05/20 20:10	
Silver	mg/kg	ND	0.70	10/05/20 20:10	

LABORATORY CONTROL SAMPLE: 2750589

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Arsenic	mg/kg	100	98.5	98	80-120	
Barium	mg/kg	100	104	104	80-120	
Cadmium	mg/kg	100	95.9	96	80-120	
Chromium	mg/kg	100	102	102	80-120	
Lead	mg/kg	100	106	106	80-120	
Selenium	mg/kg	100	91.8	92	80-120	
Silver	mg/kg	50	51.5	103	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2750590 2750591

Parameter	Units	60349310001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Arsenic	mg/kg	8.8	92.7	94.2	87.0	89.8	84	86	75-125	3	20	
Barium	mg/kg	515	92.7	94.2	658	1070	155	586	75-125	47	20	M1,R1
Cadmium	mg/kg	0.66	92.7	94.2	78.0	75.8	83	80	75-125	3	20	E
Chromium	mg/kg	35.6	92.7	94.2	130	141	102	112	75-125	8	20	E
Lead	mg/kg	20.1	92.7	94.2	103	108	90	93	75-125	4	20	E
Selenium	mg/kg	ND	92.7	94.2	73.7	70.6	80	75	75-125	4	20	E
Silver	mg/kg	ND	46.4	47.1	42.0	42.0	89	88	75-125	0	20	E

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QUALITY CONTROL DATA

Project: PINE LAWN

Pace Project No.: 60349351

QC Batch: 679165

Analysis Method: EPA 8260B

QC Batch Method: EPA 5035A/5030

Analysis Description: 8260 MSV 5035A Volatile Organics

Laboratory: Pace Analytical Services - Kansas City

Associated Lab Samples: 60349351006

METHOD BLANK: 2746317

Matrix: Solid

Associated Lab Samples: 60349351006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	ND	5.0	09/26/20 11:27	
1,1,1-Trichloroethane	ug/kg	ND	5.0	09/26/20 11:27	
1,1,2,2-Tetrachloroethane	ug/kg	ND	5.0	09/26/20 11:27	
1,1,2-Trichloroethane	ug/kg	ND	5.0	09/26/20 11:27	
1,1-Dichloroethane	ug/kg	ND	5.0	09/26/20 11:27	
1,1-Dichloroethene	ug/kg	ND	5.0	09/26/20 11:27	
1,1-Dichloropropene	ug/kg	ND	5.0	09/26/20 11:27	
1,2,3-Trichlorobenzene	ug/kg	ND	5.0	09/26/20 11:27	
1,2,3-Trichloropropane	ug/kg	ND	5.0	09/26/20 11:27	
1,2,4-Trichlorobenzene	ug/kg	ND	5.0	09/26/20 11:27	
1,2,4-Trimethylbenzene	ug/kg	ND	5.0	09/26/20 11:27	
1,2-Dibromo-3-chloropropane	ug/kg	ND	10.0	09/26/20 11:27	
1,2-Dibromoethane (EDB)	ug/kg	ND	5.0	09/26/20 11:27	
1,2-Dichlorobenzene	ug/kg	ND	5.0	09/26/20 11:27	
1,2-Dichloroethane	ug/kg	ND	5.0	09/26/20 11:27	
1,2-Dichloroethene (Total)	ug/kg	ND	5.0	09/26/20 11:27	
1,2-Dichloropropane	ug/kg	ND	5.0	09/26/20 11:27	
1,3,5-Trimethylbenzene	ug/kg	ND	5.0	09/26/20 11:27	
1,3-Dichlorobenzene	ug/kg	ND	5.0	09/26/20 11:27	
1,3-Dichloropropane	ug/kg	ND	5.0	09/26/20 11:27	
1,4-Dichlorobenzene	ug/kg	ND	5.0	09/26/20 11:27	
2,2-Dichloropropane	ug/kg	ND	5.0	09/26/20 11:27	
2-Butanone (MEK)	ug/kg	ND	10.0	09/26/20 11:27	
2-Chlorotoluene	ug/kg	ND	5.0	09/26/20 11:27	
2-Hexanone	ug/kg	ND	20.0	09/26/20 11:27	
4-Chlorotoluene	ug/kg	ND	5.0	09/26/20 11:27	
4-Methyl-2-pentanone (MIBK)	ug/kg	ND	10.0	09/26/20 11:27	
Acetone	ug/kg	ND	20.0	09/26/20 11:27	
Benzene	ug/kg	ND	5.0	09/26/20 11:27	
Bromobenzene	ug/kg	ND	5.0	09/26/20 11:27	
Bromochloromethane	ug/kg	ND	5.0	09/26/20 11:27	
Bromodichloromethane	ug/kg	ND	5.0	09/26/20 11:27	
Bromoform	ug/kg	ND	5.0	09/26/20 11:27	
Bromomethane	ug/kg	ND	5.0	09/26/20 11:27	
Carbon disulfide	ug/kg	ND	5.0	09/26/20 11:27	
Carbon tetrachloride	ug/kg	ND	5.0	09/26/20 11:27	
Chlorobenzene	ug/kg	ND	5.0	09/26/20 11:27	
Chloroethane	ug/kg	ND	5.0	09/26/20 11:27	
Chloroform	ug/kg	ND	5.0	09/26/20 11:27	
Chloromethane	ug/kg	ND	5.0	09/26/20 11:27	

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QUALITY CONTROL DATA

Project: PINE LAWN

Pace Project No.: 60349351

METHOD BLANK: 2746317

Matrix: Solid

Associated Lab Samples: 60349351006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
cis-1,2-Dichloroethene	ug/kg	ND	5.0	09/26/20 11:27	
cis-1,3-Dichloropropene	ug/kg	ND	5.0	09/26/20 11:27	
Dibromochloromethane	ug/kg	ND	5.0	09/26/20 11:27	
Dibromomethane	ug/kg	ND	5.0	09/26/20 11:27	
Dichlorodifluoromethane	ug/kg	ND	5.0	09/26/20 11:27	
Ethylbenzene	ug/kg	ND	5.0	09/26/20 11:27	
Hexachloro-1,3-butadiene	ug/kg	ND	5.0	09/26/20 11:27	
Isopropylbenzene (Cumene)	ug/kg	ND	5.0	09/26/20 11:27	
Methyl-tert-butyl ether	ug/kg	ND	5.0	09/26/20 11:27	
Methylene Chloride	ug/kg	ND	5.0	09/26/20 11:27	
n-Butylbenzene	ug/kg	ND	5.0	09/26/20 11:27	
n-Propylbenzene	ug/kg	ND	5.0	09/26/20 11:27	
Naphthalene	ug/kg	ND	10.0	09/26/20 11:27	
p-Isopropyltoluene	ug/kg	ND	5.0	09/26/20 11:27	
sec-Butylbenzene	ug/kg	ND	5.0	09/26/20 11:27	
Styrene	ug/kg	ND	5.0	09/26/20 11:27	
tert-Butylbenzene	ug/kg	ND	25.0	09/26/20 11:27	
Tetrachloroethene	ug/kg	ND	5.0	09/26/20 11:27	
Toluene	ug/kg	ND	5.0	09/26/20 11:27	
trans-1,2-Dichloroethene	ug/kg	ND	5.0	09/26/20 11:27	
trans-1,3-Dichloropropene	ug/kg	ND	5.0	09/26/20 11:27	
Trichloroethene	ug/kg	ND	5.0	09/26/20 11:27	
Trichlorofluoromethane	ug/kg	ND	5.0	09/26/20 11:27	
Vinyl chloride	ug/kg	ND	5.0	09/26/20 11:27	
Xylene (Total)	ug/kg	ND	5.0	09/26/20 11:27	
1,2-Dichloroethane-d4 (S)	%	97	78-118	09/26/20 11:27	
4-Bromofluorobenzene (S)	%	96	85-115	09/26/20 11:27	
Toluene-d8 (S)	%	103	80-120	09/26/20 11:27	

LABORATORY CONTROL SAMPLE: 2746318

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	100	112	112	84-125	
1,1,1-Trichloroethane	ug/kg	100	107	107	81-121	
1,1,2,2-Tetrachloroethane	ug/kg	100	99.3	99	76-121	
1,1,2-Trichloroethane	ug/kg	100	107	107	83-118	
1,1-Dichloroethane	ug/kg	100	107	107	74-120	
1,1-Dichloroethene	ug/kg	100	105	105	71-124	
1,1-Dichloropropene	ug/kg	100	94.2	94	73-123	
1,2,3-Trichlorobenzene	ug/kg	100	111	111	81-123	
1,2,3-Trichloropropane	ug/kg	100	103	103	81-116	
1,2,4-Trichlorobenzene	ug/kg	100	113	113	79-126	
1,2,4-Trimethylbenzene	ug/kg	100	108	108	79-121	
1,2-Dibromo-3-chloropropane	ug/kg	100	99.8	100	74-125	

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QUALITY CONTROL DATA

Project: PINE LAWN

Pace Project No.: 60349351

LABORATORY CONTROL SAMPLE: 2746318

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dibromoethane (EDB)	ug/kg	100	109	109	64-137	
1,2-Dichlorobenzene	ug/kg	100	108	108	83-119	
1,2-Dichloroethane	ug/kg	100	94.9	95	58-128	
1,2-Dichloroethene (Total)	ug/kg	200	212	106	82-117	
1,2-Dichloropropane	ug/kg	100	101	101	77-122	
1,3,5-Trimethylbenzene	ug/kg	100	109	109	81-122	
1,3-Dichlorobenzene	ug/kg	100	109	109	83-119	
1,3-Dichloropropane	ug/kg	100	105	105	83-118	
1,4-Dichlorobenzene	ug/kg	100	102	102	83-116	
2,2-Dichloropropane	ug/kg	100	105	105	76-124	
2-Butanone (MEK)	ug/kg	500	475	95	63-122	
2-Chlorotoluene	ug/kg	100	105	105	79-119	
2-Hexanone	ug/kg	500	493	99	68-122	
4-Chlorotoluene	ug/kg	100	108	108	84-119	
4-Methyl-2-pentanone (MIBK)	ug/kg	500	488	98	63-128	
Acetone	ug/kg	500	463	93	55-124	
Benzene	ug/kg	100	99.7	100	67-126	
Bromobenzene	ug/kg	100	107	107	85-117	
Bromochloromethane	ug/kg	100	108	108	78-122	
Bromodichloromethane	ug/kg	100	106	106	82-120	
Bromoform	ug/kg	100	122	122	77-133	
Bromomethane	ug/kg	100	82.6	83	20-168	
Carbon disulfide	ug/kg	100	116	116	60-133	
Carbon tetrachloride	ug/kg	100	116	116	79-128	
Chlorobenzene	ug/kg	100	109	109	84-118	
Chloroethane	ug/kg	100	89.1	89	53-139	
Chloroform	ug/kg	100	103	103	82-120	
Chloromethane	ug/kg	100	55.6	56	33-143	
cis-1,2-Dichloroethene	ug/kg	100	104	104	83-117	
cis-1,3-Dichloropropene	ug/kg	100	102	102	80-122	
Dibromochloromethane	ug/kg	100	119	119	82-128	
Dibromomethane	ug/kg	100	104	104	82-119	
Dichlorodifluoromethane	ug/kg	100	32.2	32	12-159	
Ethylbenzene	ug/kg	100	108	108	69-127	
Hexachloro-1,3-butadiene	ug/kg	100	116	116	77-133	
Isopropylbenzene (Cumene)	ug/kg	100	109	109	83-122	
Methyl-tert-butyl ether	ug/kg	100	101	101	58-137	
Methylene Chloride	ug/kg	100	96.6	97	68-125	
n-Butylbenzene	ug/kg	100	116	116	73-131	
n-Propylbenzene	ug/kg	100	110	110	82-122	
Naphthalene	ug/kg	100	112	112	60-136	
p-Isopropyltoluene	ug/kg	100	101	101	74-129	
sec-Butylbenzene	ug/kg	100	121	121	71-133	
Styrene	ug/kg	100	113	113	84-121	
tert-Butylbenzene	ug/kg	100	109	109	81-122	
Tetrachloroethene	ug/kg	100	117	117	78-130	
Toluene	ug/kg	100	105	105	80-118	

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QUALITY CONTROL DATA

Project: PINE LAWN

Pace Project No.: 60349351

LABORATORY CONTROL SAMPLE: 2746318

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
trans-1,2-Dichloroethene	ug/kg	100	108	108	78-118	
trans-1,3-Dichloropropene	ug/kg	100	112	112	81-123	
Trichloroethene	ug/kg	100	110	110	78-127	
Trichlorofluoromethane	ug/kg	100	106	106	64-133	
Vinyl chloride	ug/kg	100	70.2	70	45-139	
Xylene (Total)	ug/kg	300	324	108	69-130	
1,2-Dichloroethane-d4 (S)	%			95	78-118	
4-Bromofluorobenzene (S)	%			95	85-115	
Toluene-d8 (S)	%			103	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2746319 2746320

Parameter	Units	60348965021 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,1,1,2-Tetrachloroethane	ug/kg	ND	148	149	117	117	79	78	13-133	1	39	
1,1,1-Trichloroethane	ug/kg	ND	148	149	111	107	75	72	30-131	4	28	
1,1,2,2-Tetrachloroethane	ug/kg	ND	148	149	106	112	72	75	10-139	5	49	
1,1,2-Trichloroethane	ug/kg	ND	148	149	112	113	76	76	10-145	1	41	
1,1-Dichloroethane	ug/kg	ND	148	149	92.2	89.0	62	60	24-125	3	31	
1,1-Dichloroethene	ug/kg	ND	148	149	92.5	88.8	63	60	34-118	4	30	
1,1-Dichloropropene	ug/kg	ND	148	149	110	105	74	70	29-116	5	30	
1,2,3-Trichlorobenzene	ug/kg	ND	148	149	113	112	76	75	10-115	1	40	
1,2,3-Trichloropropane	ug/kg	ND	148	149	109	115	74	78	10-150	5	46	
1,2,4-Trichlorobenzene	ug/kg	ND	148	149	114	112	77	76	10-115	2	44	
1,2,4-Trimethylbenzene	ug/kg	ND	148	149	111	109	75	73	10-123	2	37	
1,2-Dibromo-3-chloropropane	ug/kg	ND	148	149	106	114	72	77	10-136	7	42	
1,2-Dibromoethane (EDB)	ug/kg	ND	148	149	113	115	76	78	24-149	2	29	
1,2-Dichlorobenzene	ug/kg	ND	148	149	110	109	74	73	10-123	1	41	
1,2-Dichloroethane	ug/kg	ND	148	149	98.2	97.8	66	66	23-140	0	29	
1,2-Dichloroethene (Total)	ug/kg	ND	296	297	210	203	71	68	30-119	4	32	
1,2-Dichloropropane	ug/kg	ND	148	149	107	103	72	70	13-132	3	33	
1,3,5-Trimethylbenzene	ug/kg	ND	148	149	112	110	76	74	10-124	2	40	
1,3-Dichlorobenzene	ug/kg	ND	148	149	113	110	76	74	10-122	3	42	
1,3-Dichloropropane	ug/kg	ND	148	149	110	111	74	74	10-135	1	36	
1,4-Dichlorobenzene	ug/kg	ND	148	149	111	110	75	74	10-120	1	38	
2,2-Dichloropropane	ug/kg	ND	148	149	105	102	71	68	22-135	4	31	
2-Butanone (MEK)	ug/kg	ND	739	744	482	542	65	73	12-127	12	37	
2-Chlorotoluene	ug/kg	ND	148	149	110	107	74	72	10-126	3	38	
2-Hexanone	ug/kg	ND	739	744	516	561	70	75	10-135	8	37	
4-Chlorotoluene	ug/kg	ND	148	149	112	109	76	73	10-129	3	40	
4-Methyl-2-pentanone (MIBK)	ug/kg	ND	739	744	502	541	68	73	10-129	7	36	
Acetone	ug/kg	ND	739	744	444	511	59	68	10-143	14	34	
Benzene	ug/kg	ND	148	149	106	101	71	68	37-135	4	24	
Bromobenzene	ug/kg	ND	148	149	112	110	76	74	10-134	2	45	

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QUALITY CONTROL DATA

Project: PINE LAWN

Pace Project No.: 60349351

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2746319 2746320											
Parameter	Units	60348965021 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	Max RPD	Qual
Bromochloromethane	ug/kg	ND	148	149	112	109	76	73	17-129	3	34
Bromodichloromethane	ug/kg	ND	148	149	113	111	77	75	12-130	2	33
Bromoform	ug/kg	ND	148	149	123	127	83	85	10-135	3	39
Bromomethane	ug/kg	ND	148	149	66.6	60.6	45	41	10-124	9	41
Carbon disulfide	ug/kg	ND	148	149	79.3	76.0	54	51	17-116	4	28
Carbon tetrachloride	ug/kg	ND	148	149	116	111	79	75	29-127	4	35
Chlorobenzene	ug/kg	ND	148	149	117	115	79	77	10-133	2	33
Chloroethane	ug/kg	ND	148	149	69.3	65.9	47	44	25-116	5	33
Chloroform	ug/kg	ND	148	149	110	108	75	73	20-130	2	30
Chloromethane	ug/kg	ND	148	149	41.8	39.9	28	27	10-113	5	31
cis-1,2-Dichloroethene	ug/kg	ND	148	149	107	103	72	70	22-126	3	31
cis-1,3-Dichloropropene	ug/kg	ND	148	149	110	107	74	72	10-125	3	34
Dibromochloromethane	ug/kg	ND	148	149	119	120	81	81	10-138	0	38
Dibromomethane	ug/kg	ND	148	149	110	111	75	75	13-129	1	38
Dichlorodifluoromethane	ug/kg	ND	148	149	28.9	27.0	20	18	10-114	7	33
Ethylbenzene	ug/kg	ND	148	149	117	115	79	77	31-142	2	25
Hexachloro-1,3-butadiene	ug/kg	ND	148	149	119	116	81	78	10-124	3	41
Isopropylbenzene (Cumene)	ug/kg	ND	148	149	120	118	81	79	17-120	2	34
Methyl-tert-butyl ether	ug/kg	ND	148	149	95.5	96.2	65	65	30-143	1	28
Methylene Chloride	ug/kg	ND	148	149	91.8	90.3	62	61	24-121	2	33
n-Butylbenzene	ug/kg	ND	148	149	114	111	77	75	10-121	3	36
n-Propylbenzene	ug/kg	ND	148	149	114	113	77	76	12-125	1	37
Naphthalene	ug/kg	ND	148	149	115	119	78	80	10-156	4	34
p-Isopropyltoluene	ug/kg	ND	148	149	114	112	77	75	10-119	2	37
sec-Butylbenzene	ug/kg	ND	148	149	115	112	78	75	10-127	2	40
Styrene	ug/kg	ND	148	149	116	114	78	77	10-124	1	37
tert-Butylbenzene	ug/kg	ND	148	149	114	112	77	75	10-126	2	37
Tetrachloroethene	ug/kg	ND	148	149	124	120	84	80	15-133	4	36
Toluene	ug/kg	ND	148	149	112	109	76	73	40-137	3	25
trans-1,2-Dichloroethene	ug/kg	ND	148	149	103	99.2	70	67	22-129	4	34
trans-1,3-Dichloropropene	ug/kg	ND	148	149	110	110	75	74	10-130	0	35
Trichloroethene	ug/kg	ND	148	149	115	111	78	75	19-135	4	34
Trichlorofluoromethane	ug/kg	ND	148	149	83.3	80.7	56	54	16-132	3	28
Vinyl chloride	ug/kg	ND	148	149	52.7	49.6	36	33	14-116	6	28
Xylene (Total)	ug/kg	ND	443	446	344	337	77	75	19-153	2	27
1,2-Dichloroethane-d4 (S)	%						102	102	78-118		
4-Bromofluorobenzene (S)	%						95	96	85-115		
Toluene-d8 (S)	%						102	102	80-120		

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QUALITY CONTROL DATA

Project: PINE LAWN

Pace Project No.: 60349351

QC Batch: 679357

Analysis Method: EPA 8260B

QC Batch Method: EPA 5035A/5030

Analysis Description: 8260 MSV 5035A Volatile Organics

Laboratory: Pace Analytical Services - Kansas City

Associated Lab Samples: 60349351001, 60349351002

METHOD BLANK: 2747075

Matrix: Solid

Associated Lab Samples: 60349351001, 60349351002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	ND	5.0	09/28/20 20:56	
1,1,1-Trichloroethane	ug/kg	ND	5.0	09/28/20 20:56	
1,1,2,2-Tetrachloroethane	ug/kg	ND	5.0	09/28/20 20:56	
1,1,2-Trichloroethane	ug/kg	ND	5.0	09/28/20 20:56	
1,1-Dichloroethane	ug/kg	ND	5.0	09/28/20 20:56	
1,1-Dichloroethene	ug/kg	ND	5.0	09/28/20 20:56	
1,1-Dichloropropene	ug/kg	ND	5.0	09/28/20 20:56	
1,2,3-Trichlorobenzene	ug/kg	ND	5.0	09/28/20 20:56	
1,2,3-Trichloropropane	ug/kg	ND	5.0	09/28/20 20:56	
1,2,4-Trichlorobenzene	ug/kg	ND	5.0	09/28/20 20:56	
1,2,4-Trimethylbenzene	ug/kg	ND	5.0	09/28/20 20:56	
1,2-Dibromo-3-chloropropane	ug/kg	ND	10.0	09/28/20 20:56	
1,2-Dibromoethane (EDB)	ug/kg	ND	5.0	09/28/20 20:56	
1,2-Dichlorobenzene	ug/kg	ND	5.0	09/28/20 20:56	
1,2-Dichloroethane	ug/kg	ND	5.0	09/28/20 20:56	
1,2-Dichloroethene (Total)	ug/kg	ND	5.0	09/28/20 20:56	
1,2-Dichloropropane	ug/kg	ND	5.0	09/28/20 20:56	
1,3,5-Trimethylbenzene	ug/kg	ND	5.0	09/28/20 20:56	
1,3-Dichlorobenzene	ug/kg	ND	5.0	09/28/20 20:56	
1,3-Dichloropropane	ug/kg	ND	5.0	09/28/20 20:56	
1,4-Dichlorobenzene	ug/kg	ND	5.0	09/28/20 20:56	
2,2-Dichloropropane	ug/kg	ND	5.0	09/28/20 20:56	
2-Butanone (MEK)	ug/kg	ND	10.0	09/28/20 20:56	
2-Chlorotoluene	ug/kg	ND	5.0	09/28/20 20:56	
2-Hexanone	ug/kg	ND	20.0	09/28/20 20:56	
4-Chlorotoluene	ug/kg	ND	5.0	09/28/20 20:56	
4-Methyl-2-pentanone (MIBK)	ug/kg	ND	10.0	09/28/20 20:56	
Acetone	ug/kg	ND	20.0	09/28/20 20:56	
Benzene	ug/kg	ND	5.0	09/28/20 20:56	
Bromobenzene	ug/kg	ND	5.0	09/28/20 20:56	
Bromochloromethane	ug/kg	ND	5.0	09/28/20 20:56	
Bromodichloromethane	ug/kg	ND	5.0	09/28/20 20:56	
Bromoform	ug/kg	ND	5.0	09/28/20 20:56	
Bromomethane	ug/kg	ND	5.0	09/28/20 20:56	
Carbon disulfide	ug/kg	ND	5.0	09/28/20 20:56	
Carbon tetrachloride	ug/kg	ND	5.0	09/28/20 20:56	
Chlorobenzene	ug/kg	ND	5.0	09/28/20 20:56	
Chloroethane	ug/kg	ND	5.0	09/28/20 20:56	
Chloroform	ug/kg	ND	5.0	09/28/20 20:56	
Chloromethane	ug/kg	ND	5.0	09/28/20 20:56	

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QUALITY CONTROL DATA

Project: PINE LAWN

Pace Project No.: 60349351

METHOD BLANK: 2747075

Matrix: Solid

Associated Lab Samples: 60349351001, 60349351002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
cis-1,2-Dichloroethene	ug/kg	ND	5.0	09/28/20 20:56	
cis-1,3-Dichloropropene	ug/kg	ND	5.0	09/28/20 20:56	
Dibromochloromethane	ug/kg	ND	5.0	09/28/20 20:56	
Dibromomethane	ug/kg	ND	5.0	09/28/20 20:56	
Dichlorodifluoromethane	ug/kg	ND	5.0	09/28/20 20:56	
Ethylbenzene	ug/kg	ND	5.0	09/28/20 20:56	
Hexachloro-1,3-butadiene	ug/kg	ND	5.0	09/28/20 20:56	
Isopropylbenzene (Cumene)	ug/kg	ND	5.0	09/28/20 20:56	
Methyl-tert-butyl ether	ug/kg	ND	5.0	09/28/20 20:56	
Methylene Chloride	ug/kg	ND	5.0	09/28/20 20:56	
n-Butylbenzene	ug/kg	ND	5.0	09/28/20 20:56	
n-Propylbenzene	ug/kg	ND	5.0	09/28/20 20:56	
Naphthalene	ug/kg	ND	10.0	09/28/20 20:56	
p-Isopropyltoluene	ug/kg	ND	5.0	09/28/20 20:56	
sec-Butylbenzene	ug/kg	ND	5.0	09/28/20 20:56	
Styrene	ug/kg	ND	5.0	09/28/20 20:56	
tert-Butylbenzene	ug/kg	ND	25.0	09/28/20 20:56	
Tetrachloroethene	ug/kg	ND	5.0	09/28/20 20:56	
Toluene	ug/kg	ND	5.0	09/28/20 20:56	
trans-1,2-Dichloroethene	ug/kg	ND	5.0	09/28/20 20:56	
trans-1,3-Dichloropropene	ug/kg	ND	5.0	09/28/20 20:56	
Trichloroethene	ug/kg	ND	5.0	09/28/20 20:56	
Trichlorofluoromethane	ug/kg	ND	5.0	09/28/20 20:56	
Vinyl chloride	ug/kg	ND	5.0	09/28/20 20:56	
Xylene (Total)	ug/kg	ND	5.0	09/28/20 20:56	
1,2-Dichloroethane-d4 (S)	%	94	78-118	09/28/20 20:56	
4-Bromofluorobenzene (S)	%	97	85-115	09/28/20 20:56	
Toluene-d8 (S)	%	102	80-120	09/28/20 20:56	

LABORATORY CONTROL SAMPLE: 2747076

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	100	110	110	84-125	
1,1,1-Trichloroethane	ug/kg	100	98.0	98	81-121	
1,1,2,2-Tetrachloroethane	ug/kg	100	96.5	97	76-121	
1,1,2-Trichloroethane	ug/kg	100	108	108	83-118	
1,1-Dichloroethane	ug/kg	100	111	111	74-120	
1,1-Dichloroethene	ug/kg	100	106	106	71-124	
1,1-Dichloropropene	ug/kg	100	87.9	88	73-123	
1,2,3-Trichlorobenzene	ug/kg	100	106	106	81-123	
1,2,3-Trichloropropane	ug/kg	100	104	104	81-116	
1,2,4-Trichlorobenzene	ug/kg	100	103	103	79-126	
1,2,4-Trimethylbenzene	ug/kg	100	99.1	99	79-121	
1,2-Dibromo-3-chloropropane	ug/kg	100	97.0	97	74-125	

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QUALITY CONTROL DATA

Project: PINE LAWN

Pace Project No.: 60349351

LABORATORY CONTROL SAMPLE: 2747076

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dibromoethane (EDB)	ug/kg	100	111	111	64-137	
1,2-Dichlorobenzene	ug/kg	100	104	104	83-119	
1,2-Dichloroethane	ug/kg	100	98.5	98	58-128	
1,2-Dichloroethene (Total)	ug/kg	200	211	105	82-117	
1,2-Dichloropropane	ug/kg	100	102	102	77-122	
1,3,5-Trimethylbenzene	ug/kg	100	99.2	99	81-122	
1,3-Dichlorobenzene	ug/kg	100	103	103	83-119	
1,3-Dichloropropane	ug/kg	100	108	108	83-118	
1,4-Dichlorobenzene	ug/kg	100	97.6	98	83-116	
2,2-Dichloropropane	ug/kg	100	92.7	93	76-124	
2-Butanone (MEK)	ug/kg	500	478	96	63-122	
2-Chlorotoluene	ug/kg	100	98.8	99	79-119	
2-Hexanone	ug/kg	500	489	98	68-122	
4-Chlorotoluene	ug/kg	100	101	101	84-119	
4-Methyl-2-pentanone (MIBK)	ug/kg	500	485	97	63-128	
Acetone	ug/kg	500	450	90	55-124	
Benzene	ug/kg	100	99.3	99	67-126	
Bromobenzene	ug/kg	100	105	105	85-117	
Bromochloromethane	ug/kg	100	114	114	78-122	
Bromodichloromethane	ug/kg	100	108	108	82-120	
Bromoform	ug/kg	100	121	121	77-133	
Bromomethane	ug/kg	100	96.8	97	20-168	
Carbon disulfide	ug/kg	100	120	120	60-133	
Carbon tetrachloride	ug/kg	100	105	105	79-128	
Chlorobenzene	ug/kg	100	106	106	84-118	
Chloroethane	ug/kg	100	99.4	99	53-139	
Chloroform	ug/kg	100	104	104	82-120	
Chloromethane	ug/kg	100	74.9	75	33-143	
cis-1,2-Dichloroethene	ug/kg	100	105	105	83-117	
cis-1,3-Dichloropropene	ug/kg	100	103	103	80-122	
Dibromochloromethane	ug/kg	100	120	120	82-128	
Dibromomethane	ug/kg	100	109	109	82-119	
Dichlorodifluoromethane	ug/kg	100	59.9	60	12-159	
Ethylbenzene	ug/kg	100	102	102	69-127	
Hexachloro-1,3-butadiene	ug/kg	100	98.5	99	77-133	
Isopropylbenzene (Cumene)	ug/kg	100	99.7	100	83-122	
Methyl-tert-butyl ether	ug/kg	100	102	102	58-137	
Methylene Chloride	ug/kg	100	101	101	68-125	
n-Butylbenzene	ug/kg	100	99.5	100	73-131	
n-Propylbenzene	ug/kg	100	97.7	98	82-122	
Naphthalene	ug/kg	100	110	110	60-136	
p-Isopropyltoluene	ug/kg	100	89.6	90	74-129	
sec-Butylbenzene	ug/kg	100	105	105	71-133	
Styrene	ug/kg	100	110	110	84-121	
tert-Butylbenzene	ug/kg	100	98.0	98	81-122	
Tetrachloroethene	ug/kg	100	106	106	78-130	
Toluene	ug/kg	100	101	101	80-118	

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QUALITY CONTROL DATA

Project: PINE LAWN

Pace Project No.: 60349351

LABORATORY CONTROL SAMPLE: 2747076

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
trans-1,2-Dichloroethene	ug/kg	100	106	106	78-118	
trans-1,3-Dichloropropene	ug/kg	100	109	109	81-123	
Trichloroethene	ug/kg	100	105	105	78-127	
Trichlorofluoromethane	ug/kg	100	108	108	64-133	
Vinyl chloride	ug/kg	100	88.4	88	45-139	
Xylene (Total)	ug/kg	300	306	102	69-130	
1,2-Dichloroethane-d4 (S)	%			96	78-118	
4-Bromofluorobenzene (S)	%			95	85-115	
Toluene-d8 (S)	%			103	80-120	

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QUALITY CONTROL DATA

Project: PINE LAWN

Pace Project No.: 60349351

QC Batch: 679322

Analysis Method: EPA 8260B

QC Batch Method: EPA 5035A/5030B

Analysis Description: 8260 MSV 5035A Volatile Organics

Laboratory:

Pace Analytical Services - Kansas City

Associated Lab Samples: 60349351003, 60349351004, 60349351005

METHOD BLANK: 2746917

Matrix: Solid

Associated Lab Samples: 60349351003, 60349351004, 60349351005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	ND	250	09/29/20 02:05	
1,1,1-Trichloroethane	ug/kg	ND	250	09/29/20 02:05	
1,1,2,2-Tetrachloroethane	ug/kg	ND	250	09/29/20 02:05	
1,1,2-Trichloroethane	ug/kg	ND	250	09/29/20 02:05	
1,1-Dichloroethane	ug/kg	ND	250	09/29/20 02:05	
1,1-Dichloroethene	ug/kg	ND	250	09/29/20 02:05	
1,1-Dichloropropene	ug/kg	ND	250	09/29/20 02:05	
1,2,3-Trichlorobenzene	ug/kg	ND	250	09/29/20 02:05	
1,2,3-Trichloropropane	ug/kg	ND	250	09/29/20 02:05	
1,2,4-Trichlorobenzene	ug/kg	ND	250	09/29/20 02:05	
1,2,4-Trimethylbenzene	ug/kg	ND	250	09/29/20 02:05	
1,2-Dibromo-3-chloropropane	ug/kg	ND	500	09/29/20 02:05	
1,2-Dibromoethane (EDB)	ug/kg	ND	250	09/29/20 02:05	
1,2-Dichlorobenzene	ug/kg	ND	250	09/29/20 02:05	
1,2-Dichloroethane	ug/kg	ND	250	09/29/20 02:05	
1,2-Dichloroethene (Total)	ug/kg	ND	250	09/29/20 02:05	
1,2-Dichloropropane	ug/kg	ND	250	09/29/20 02:05	
1,3,5-Trimethylbenzene	ug/kg	ND	250	09/29/20 02:05	
1,3-Dichlorobenzene	ug/kg	ND	250	09/29/20 02:05	
1,3-Dichloropropane	ug/kg	ND	250	09/29/20 02:05	
1,4-Dichlorobenzene	ug/kg	ND	250	09/29/20 02:05	
2,2-Dichloropropane	ug/kg	ND	250	09/29/20 02:05	
2-Butanone (MEK)	ug/kg	ND	500	09/29/20 02:05	
2-Chlorotoluene	ug/kg	ND	250	09/29/20 02:05	
2-Hexanone	ug/kg	ND	1000	09/29/20 02:05	
4-Chlorotoluene	ug/kg	ND	250	09/29/20 02:05	
4-Methyl-2-pentanone (MIBK)	ug/kg	ND	500	09/29/20 02:05	
Acetone	ug/kg	ND	1000	09/29/20 02:05	
Benzene	ug/kg	ND	250	09/29/20 02:05	
Bromobenzene	ug/kg	ND	250	09/29/20 02:05	
Bromochloromethane	ug/kg	ND	250	09/29/20 02:05	
Bromodichloromethane	ug/kg	ND	250	09/29/20 02:05	
Bromoform	ug/kg	ND	250	09/29/20 02:05	
Bromomethane	ug/kg	ND	250	09/29/20 02:05	
Carbon disulfide	ug/kg	ND	250	09/29/20 02:05	
Carbon tetrachloride	ug/kg	ND	250	09/29/20 02:05	
Chlorobenzene	ug/kg	ND	250	09/29/20 02:05	
Chloroethane	ug/kg	ND	250	09/29/20 02:05	
Chloroform	ug/kg	ND	250	09/29/20 02:05	
Chloromethane	ug/kg	ND	250	09/29/20 02:05	

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QUALITY CONTROL DATA

Project: PINE LAWN

Pace Project No.: 60349351

METHOD BLANK: 2746917

Matrix: Solid

Associated Lab Samples: 60349351003, 60349351004, 60349351005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
cis-1,2-Dichloroethene	ug/kg	ND	250	09/29/20 02:05	
cis-1,3-Dichloropropene	ug/kg	ND	250	09/29/20 02:05	
Dibromochloromethane	ug/kg	ND	250	09/29/20 02:05	
Dibromomethane	ug/kg	ND	250	09/29/20 02:05	
Dichlorodifluoromethane	ug/kg	ND	250	09/29/20 02:05	
Ethylbenzene	ug/kg	ND	250	09/29/20 02:05	
Hexachloro-1,3-butadiene	ug/kg	ND	250	09/29/20 02:05	
Isopropylbenzene (Cumene)	ug/kg	ND	250	09/29/20 02:05	
Methyl-tert-butyl ether	ug/kg	ND	250	09/29/20 02:05	
Methylene Chloride	ug/kg	ND	250	09/29/20 02:05	
n-Butylbenzene	ug/kg	ND	250	09/29/20 02:05	
n-Propylbenzene	ug/kg	ND	250	09/29/20 02:05	
Naphthalene	ug/kg	ND	500	09/29/20 02:05	
p-Isopropyltoluene	ug/kg	ND	250	09/29/20 02:05	
sec-Butylbenzene	ug/kg	ND	250	09/29/20 02:05	
Styrene	ug/kg	ND	250	09/29/20 02:05	
tert-Butylbenzene	ug/kg	ND	1250	09/29/20 02:05	
Tetrachloroethene	ug/kg	ND	250	09/29/20 02:05	
Toluene	ug/kg	ND	250	09/29/20 02:05	
trans-1,2-Dichloroethene	ug/kg	ND	250	09/29/20 02:05	
trans-1,3-Dichloropropene	ug/kg	ND	250	09/29/20 02:05	
Trichloroethene	ug/kg	ND	250	09/29/20 02:05	
Trichlorofluoromethane	ug/kg	ND	250	09/29/20 02:05	
Vinyl chloride	ug/kg	ND	250	09/29/20 02:05	
Xylene (Total)	ug/kg	ND	250	09/29/20 02:05	
1,2-Dichloroethane-d4 (S)	%	93	78-118	09/29/20 02:05	
4-Bromofluorobenzene (S)	%	96	83-119	09/29/20 02:05	
Toluene-d8 (S)	%	104	80-120	09/29/20 02:05	

LABORATORY CONTROL SAMPLE: 2746918

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	5000	5490	110	80-119	
1,1,1-Trichloroethane	ug/kg	5000	4810	96	77-121	
1,1,2,2-Tetrachloroethane	ug/kg	5000	4980	100	74-116	
1,1,2-Trichloroethane	ug/kg	5000	5470	109	76-115	
1,1-Dichloroethane	ug/kg	5000	4590	92	77-120	
1,1-Dichloroethene	ug/kg	5000	5240	105	66-129	
1,1-Dichloropropene	ug/kg	5000	4240	85	79-121	
1,2,3-Trichlorobenzene	ug/kg	5000	5120	102	80-120	
1,2,3-Trichloropropane	ug/kg	5000	5210	104	74-118	
1,2,4-Trichlorobenzene	ug/kg	5000	4780	96	75-120	
1,2,4-Trimethylbenzene	ug/kg	5000	4850	97	77-116	
1,2-Dibromo-3-chloropropane	ug/kg	5000	5010	100	74-121	

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QUALITY CONTROL DATA

Project: PINE LAWN

Pace Project No.: 60349351

LABORATORY CONTROL SAMPLE: 2746918

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dibromoethane (EDB)	ug/kg	5000	5600	112	80-117	
1,2-Dichlorobenzene	ug/kg	5000	5170	103	48-146	
1,2-Dichloroethane	ug/kg	5000	4880	98	74-110	
1,2-Dichloroethene (Total)	ug/kg	10000	10500	105	79-120	
1,2-Dichloropropane	ug/kg	5000	5030	101	79-115	
1,3,5-Trimethylbenzene	ug/kg	5000	4820	96	76-115	
1,3-Dichlorobenzene	ug/kg	5000	5000	100	76-115	
1,3-Dichloropropane	ug/kg	5000	5390	108	75-111	
1,4-Dichlorobenzene	ug/kg	5000	4700	94	73-119	
2,2-Dichloropropane	ug/kg	5000	4340	87	76-121	
2-Butanone (MEK)	ug/kg	25000	23700	95	70-116	
2-Chlorotoluene	ug/kg	5000	4840	97	78-117	
2-Hexanone	ug/kg	25000	24500	98	71-117	
4-Chlorotoluene	ug/kg	5000	4890	98	77-115	
4-Methyl-2-pentanone (MIBK)	ug/kg	25000	24500	98	73-116	
Acetone	ug/kg	25000	21900	88	60-125	
Benzene	ug/kg	5000	4910	98	73-117	
Bromobenzene	ug/kg	5000	5200	104	79-115	
Bromochloromethane	ug/kg	5000	5730	115	76-116	
Bromodichloromethane	ug/kg	5000	5350	107	80-120	
Bromoform	ug/kg	5000	6010	120	77-127	
Bromomethane	ug/kg	5000	4740	95	29-165	
Carbon disulfide	ug/kg	5000	5980	120	54-133	
Carbon tetrachloride	ug/kg	5000	5090	102	78-126	
Chlorobenzene	ug/kg	5000	5250	105	63-130	
Chloroethane	ug/kg	5000	4810	96	31-170	
Chloroform	ug/kg	5000	5170	103	80-118	
Chloromethane	ug/kg	5000	3470	69	10-168	
cis-1,2-Dichloroethene	ug/kg	5000	5210	104	80-117	
cis-1,3-Dichloropropene	ug/kg	5000	4970	99	80-120	
Dibromochloromethane	ug/kg	5000	5980	120	78-122	
Dibromomethane	ug/kg	5000	5390	108	78-119	
Dichlorodifluoromethane	ug/kg	5000	2630	53	10-206	
Ethylbenzene	ug/kg	5000	4940	99	73-121	
Hexachloro-1,3-butadiene	ug/kg	5000	4600	92	75-129	
Isopropylbenzene (Cumene)	ug/kg	5000	4860	97	74-115	
Methyl-tert-butyl ether	ug/kg	5000	5160	103	73-129	
Methylene Chloride	ug/kg	5000	5070	101	70-128	
n-Butylbenzene	ug/kg	5000	4670	93	78-123	
n-Propylbenzene	ug/kg	5000	4720	94	77-120	
Naphthalene	ug/kg	5000	5500	110	76-120	
p-Isopropyltoluene	ug/kg	5000	4290	86	78-117	
sec-Butylbenzene	ug/kg	5000	5090	102	83-126	
Styrene	ug/kg	5000	5390	108	80-117	
tert-Butylbenzene	ug/kg	5000	4710	94	79-117	
Tetrachloroethene	ug/kg	5000	5140	103	72-122	
Toluene	ug/kg	5000	5030	101	77-119	

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QUALITY CONTROL DATA

Project: PINE LAWN

Pace Project No.: 60349351

LABORATORY CONTROL SAMPLE: 2746918

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
trans-1,2-Dichloroethene	ug/kg	5000	5300	106	75-123	
trans-1,3-Dichloropropene	ug/kg	5000	5360	107	79-124	
Trichloroethene	ug/kg	5000	5150	103	82-128	
Trichlorofluoromethane	ug/kg	5000	5250	105	56-129	
Vinyl chloride	ug/kg	5000	4220	84	36-176	
Xylene (Total)	ug/kg	15000	14900	99	76-119	
1,2-Dichloroethane-d4 (S)	%			95	78-118	
4-Bromofluorobenzene (S)	%			94	83-119	
Toluene-d8 (S)	%			103	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2746919 2746920

Parameter	Units	60349230005 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,1,1,2-Tetrachloroethane	ug/kg	ND	3410	3410	3090	3350	91	98	12-128	8	59	
1,1,1-Trichloroethane	ug/kg	ND	3410	3410	2770	3060	81	90	15-131	10	75	
1,1,2,2-Tetrachloroethane	ug/kg	ND	3410	3410	3250	3540	95	104	10-132	8	65	
1,1,2-Trichloroethane	ug/kg	ND	3410	3410	3610	3910	106	115	14-132	8	54	
1,1-Dichloroethane	ug/kg	ND	3410	3410	3020	2870	89	84	23-126	5	64	
1,1-Dichloroethene	ug/kg	ND	3410	3410	2670	2990	78	88	20-129	11	80	
1,1-Dichloropropene	ug/kg	ND	3410	3410	2480	2820	73	83	15-127	13	78	
1,2,3-Trichlorobenzene	ug/kg	ND	3410	3410	3180	3450	93	101	10-124	8	67	
1,2,3-Trichloropropane	ug/kg	ND	3410	3410	3300	3610	97	106	19-125	9	51	
1,2,4-Trichlorobenzene	ug/kg	ND	3410	3410	3020	3310	89	97	10-129	9	73	
1,2,4-Trimethylbenzene	ug/kg	ND	3410	3410	2980	3290	87	96	10-124	10	68	
1,2-Dibromo-3-chloropropane	ug/kg	ND	3410	3410	3430	3630	101	107	10-135	6	56	
1,2-Dibromoethane (EDB)	ug/kg	ND	3410	3410	3250	3580	95	105	23-123	10	50	
1,2-Dichlorobenzene	ug/kg	ND	3410	3410	3190	3450	94	101	10-126	8	60	
1,2-Dichloroethane	ug/kg	ND	3410	3410	2870	3160	84	93	27-116	10	45	
1,2-Dichloroethene (Total)	ug/kg	ND	6820	6820	5890	6490	86	95	20-127	10	64	
1,2-Dichloropropane	ug/kg	ND	3410	3410	3030	3380	89	99	21-125	11	57	
1,3,5-Trimethylbenzene	ug/kg	ND	3410	3410	2950	3280	86	96	10-125	11	65	
1,3-Dichlorobenzene	ug/kg	ND	3410	3410	3050	3320	90	97	10-126	8	63	
1,3-Dichloropropane	ug/kg	ND	3410	3410	3100	3380	91	99	24-114	8	51	
1,4-Dichlorobenzene	ug/kg	ND	3410	3410	2930	3180	86	93	10-126	8	62	
2,2-Dichloropropane	ug/kg	ND	3410	3410	2480	2800	73	82	17-124	12	70	
2-Butanone (MEK)	ug/kg	ND	17000	17000	14600	16500	84	95	29-120	12	50	
2-Chlorotoluene	ug/kg	ND	3410	3410	2940	3230	85	94	10-138	9	70	
2-Hexanone	ug/kg	ND	17000	17000	14900	16700	87	98	25-121	12	51	
4-Chlorotoluene	ug/kg	ND	3410	3410	2960	3260	87	96	10-112	10	62	
4-Methyl-2-pentanone (MIBK)	ug/kg	ND	17000	17000	15000	16900	88	99	23-131	12	50	
Acetone	ug/kg	ND	17000	17000	14000	15600	81	91	15-129	11	49	
Benzene	ug/kg	ND	3410	3410	2820	3110	83	91	17-134	10	53	
Bromobenzene	ug/kg	ND	3410	3410	3110	3400	91	100	10-129	9	63	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: PINE LAWN

Pace Project No.: 60349351

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2746919 2746920											
Parameter	Units	60349230005 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	Max RPD	Qual
Bromochloromethane	ug/kg	ND	3410	3410	3250	3600	95	106	28-118	10	53
Bromodichloromethane	ug/kg	ND	3410	3410	3170	3480	93	102	21-126	10	59
Bromoform	ug/kg	ND	3410	3410	3330	3600	98	106	14-127	8	60
Bromomethane	ug/kg	ND	3410	3410	1090	1220	31	35	10-121	11	67
Carbon disulfide	ug/kg	ND	3410	3410	2730	3000	80	88	10-122	10	78
Carbon tetrachloride	ug/kg	ND	3410	3410	2790	3110	82	91	10-134	11	82
Chlorobenzene	ug/kg	ND	3410	3410	3020	3330	89	98	10-126	10	60
Chloroethane	ug/kg	ND	3410	3410	732	842	21	25	10-133	14	79
Chloroform	ug/kg	ND	3410	3410	3010	3320	88	97	24-126	10	60
Chloromethane	ug/kg	ND	3410	3410	1320	1380	38	40	10-125	5	78
cis-1,2-Dichloroethene	ug/kg	ND	3410	3410	2980	3270	88	96	18-131	9	62
cis-1,3-Dichloropropene	ug/kg	ND	3410	3410	2900	3200	85	94	24-117	10	60
Dibromochloromethane	ug/kg	ND	3410	3410	3300	3550	97	104	22-117	7	59
Dibromomethane	ug/kg	ND	3410	3410	3170	3470	93	102	29-118	9	52
Dichlorodifluoromethane	ug/kg	ND	3410	3410	745	802	22	24	10-161	7	84
Ethylbenzene	ug/kg	ND	3410	3410	2910	3200	85	93	10-137	10	60
Hexachloro-1,3-butadiene	ug/kg	ND	3410	3410	2860	3180	84	93	10-124	10	76
Isopropylbenzene (Cumene)	ug/kg	353	3410	3410	3260	3620	85	96	10-123	11	72
Methyl-tert-butyl ether	ug/kg	ND	3410	3410	2980	3290	87	96	31-126	10	42
Methylene Chloride	ug/kg	ND	3410	3410	2890	3160	82	90	23-117	9	59
n-Butylbenzene	ug/kg	554	3410	3410	3580	4020	89	102	10-130	11	78
n-Propylbenzene	ug/kg	595	3410	3410	3550	3890	87	97	10-121	9	70
Naphthalene	ug/kg	ND	3410	3410	3560	3870	105	114	10-131	8	63
p-Isopropyltoluene	ug/kg	309	3410	3410	3090	3410	82	91	10-127	10	76
sec-Butylbenzene	ug/kg	318	3410	3410	3440	3810	92	102	10-137	10	81
Styrene	ug/kg	ND	3410	3410	3130	3470	92	102	10-119	10	56
tert-Butylbenzene	ug/kg	ND	3410	3410	2960	3330	86	97	10-121	12	80
Tetrachloroethene	ug/kg	ND	3410	3410	2880	3220	85	94	10-131	11	78
Toluene	ug/kg	ND	3410	3410	2860	3140	84	92	13-131	9	60
trans-1,2-Dichloroethene	ug/kg	ND	3410	3410	2900	3220	85	94	22-125	10	70
trans-1,3-Dichloropropene	ug/kg	ND	3410	3410	3000	3300	88	97	20-122	9	54
Trichloroethene	ug/kg	ND	3410	3410	3020	3380	89	99	14-144	11	69
Trichlorofluoromethane	ug/kg	ND	3410	3410	2650	2940	78	86	10-134	10	86
Vinyl chloride	ug/kg	ND	3410	3410	1460	1620	43	47	10-141	10	81
Xylene (Total)	ug/kg	ND	10200	10200	8720	9650	85	94	10-137	10	58
1,2-Dichloroethane-d4 (S)	%						94	95	78-118		
4-Bromofluorobenzene (S)	%						104	103	83-119		
Toluene-d8 (S)	%						102	100	80-120		

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: PINE LAWN
Pace Project No.: 60349351

QC Batch:	679323	Analysis Method:	EPA 5035A/8260
QC Batch Method:	EPA 5035/5030	Analysis Description:	8260 MSV GRO and Oxygenates
		Laboratory:	Pace Analytical Services - Kansas City

Associated Lab Samples: 60349351003, 60349351004, 60349351005

METHOD BLANK: 2746921 Matrix: Solid
Associated Lab Samples: 60349351003, 60349351004, 60349351005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
TPH-GRO	mg/kg	ND	25.0	09/29/20 16:18	
1,2-Dichloroethane-d4 (S)	%	95	78-118	09/29/20 16:18	
4-Bromofluorobenzene (S)	%	96	85-115	09/29/20 16:18	
Toluene-d8 (S)	%	102	80-120	09/29/20 16:18	

LABORATORY CONTROL SAMPLE: 2746922

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
TPH-GRO	mg/kg	200	129	64	55-162	
1,2-Dichloroethane-d4 (S)	%			96	78-118	
4-Bromofluorobenzene (S)	%			95	85-115	
Toluene-d8 (S)	%			103	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2746923 2746924

Parameter	Units	60349447003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,2-Dichloroethane-d4 (S)	%						94	94	78-118			
4-Bromofluorobenzene (S)	%						96	95	85-115			
Toluene-d8 (S)	%						102	102	80-120			

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QUALITY CONTROL DATA

Project: PINE LAWN
Pace Project No.: 60349351

QC Batch:	679525	Analysis Method:	EPA 8260
QC Batch Method:	EPA 5035	Analysis Description:	8260 MSV GRO and Oxygenates
		Laboratory:	Pace Analytical Services - Kansas City

Associated Lab Samples: 60349351001, 60349351002

METHOD BLANK: 2747524 Matrix: Solid

Associated Lab Samples: 60349351001, 60349351002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
TPH-GRO	mg/kg	ND	0.50	09/29/20 10:10	
1,2-Dichloroethane-d4 (S)	%	95	80-123	09/29/20 10:10	
4-Bromofluorobenzene (S)	%	97	69-133	09/29/20 10:10	
Toluene-d8 (S)	%	104	78-122	09/29/20 10:10	

LABORATORY CONTROL SAMPLE: 2747525

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
TPH-GRO	mg/kg	4	2.9	72	61-140	
1,2-Dichloroethane-d4 (S)	%			94	80-123	
4-Bromofluorobenzene (S)	%			95	69-133	
Toluene-d8 (S)	%			103	78-122	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2747526 2747527

Parameter	Units	60349553004 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,2-Dichloroethane-d4 (S)	%						98	101	80-123			
4-Bromofluorobenzene (S)	%						97	95	69-133			
Toluene-d8 (S)	%						103	102	78-122			

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QUALITY CONTROL DATA

Project: PINE LAWN
Pace Project No.: 60349351

QC Batch: 679802 Analysis Method: EPA 8082
QC Batch Method: EPA 3546 Analysis Description: 8082 GCS PCB
Laboratory: Pace Analytical Services - Kansas City
Associated Lab Samples: 60349351001, 60349351002, 60349351003, 60349351004, 60349351005

METHOD BLANK: 2748474 Matrix: Solid
Associated Lab Samples: 60349351001, 60349351002, 60349351003, 60349351004, 60349351005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
PCB-1016 (Aroclor 1016)	ug/kg	ND	31.7	10/02/20 11:45	
PCB-1221 (Aroclor 1221)	ug/kg	ND	31.7	10/02/20 11:45	
PCB-1232 (Aroclor 1232)	ug/kg	ND	31.7	10/02/20 11:45	
PCB-1242 (Aroclor 1242)	ug/kg	ND	31.7	10/02/20 11:45	
PCB-1248 (Aroclor 1248)	ug/kg	ND	31.7	10/02/20 11:45	
PCB-1254 (Aroclor 1254)	ug/kg	ND	31.7	10/02/20 11:45	
PCB-1260 (Aroclor 1260)	ug/kg	ND	31.7	10/02/20 11:45	
Decachlorobiphenyl (S)	%	91	28-143	10/02/20 11:45	

LABORATORY CONTROL SAMPLE: 2748475

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
PCB-1016 (Aroclor 1016)	ug/kg	158	144	91	61-130	
PCB-1260 (Aroclor 1260)	ug/kg	158	150	95	56-128	
Decachlorobiphenyl (S)	%			93	28-143	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2748476 2748477

Parameter	Units	60349351002 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	ND	195	245	169	222	87	91	38-131	27	38	
PCB-1260 (Aroclor 1260)	ug/kg	ND	195	245	177	233	91	95	30-141	27	40	
Decachlorobiphenyl (S)	%						84	91	28-143			

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QUALITY CONTROL DATA

Project: PINE LAWN

Pace Project No.: 60349351

QC Batch: 679538

Analysis Method: EPA 8270

QC Batch Method: EPA 3546

Analysis Description: 8270 Solid MSSV Microwave

Laboratory: Pace Analytical Services - Kansas City

Associated Lab Samples: 60349351001, 60349351002, 60349351003, 60349351004, 60349351005

METHOD BLANK: 2747544

Matrix: Solid

Associated Lab Samples: 60349351001, 60349351002, 60349351003, 60349351004, 60349351005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,2,4-Trichlorobenzene	ug/kg	ND	323	09/30/20 11:04	
1,2-Dichlorobenzene	ug/kg	ND	323	09/30/20 11:04	
1,3-Dichlorobenzene	ug/kg	ND	323	09/30/20 11:04	
1,4-Dichlorobenzene	ug/kg	ND	323	09/30/20 11:04	
2,4,5-Trichlorophenol	ug/kg	ND	323	09/30/20 11:04	
2,4,6-Trichlorophenol	ug/kg	ND	323	09/30/20 11:04	
2,4-Dichlorophenol	ug/kg	ND	323	09/30/20 11:04	
2,4-Dimethylphenol	ug/kg	ND	323	09/30/20 11:04	
2,4-Dinitrophenol	ug/kg	ND	1630	09/30/20 11:04	
2,4-Dinitrotoluene	ug/kg	ND	323	09/30/20 11:04	
2,6-Dinitrotoluene	ug/kg	ND	323	09/30/20 11:04	
2-Chloronaphthalene	ug/kg	ND	323	09/30/20 11:04	
2-Chlorophenol	ug/kg	ND	323	09/30/20 11:04	
2-Methylnaphthalene	ug/kg	ND	323	09/30/20 11:04	
2-Methylphenol(o-Cresol)	ug/kg	ND	323	09/30/20 11:04	
2-Nitroaniline	ug/kg	ND	646	09/30/20 11:04	
2-Nitrophenol	ug/kg	ND	323	09/30/20 11:04	
3&4-Methylphenol(m&p Cresol)	ug/kg	ND	323	09/30/20 11:04	
3,3'-Dichlorobenzidine	ug/kg	ND	646	09/30/20 11:04	
3-Nitroaniline	ug/kg	ND	646	09/30/20 11:04	
4,6-Dinitro-2-methylphenol	ug/kg	ND	1630	09/30/20 11:04	
4-Bromophenylphenyl ether	ug/kg	ND	323	09/30/20 11:04	
4-Chloro-3-methylphenol	ug/kg	ND	646	09/30/20 11:04	
4-Chloroaniline	ug/kg	ND	646	09/30/20 11:04	
4-Chlorophenylphenyl ether	ug/kg	ND	323	09/30/20 11:04	
4-Nitroaniline	ug/kg	ND	646	09/30/20 11:04	
4-Nitrophenol	ug/kg	ND	1630	09/30/20 11:04	
Acenaphthene	ug/kg	ND	323	09/30/20 11:04	
Acenaphthylene	ug/kg	ND	323	09/30/20 11:04	
Anthracene	ug/kg	ND	323	09/30/20 11:04	
Benzo(a)anthracene	ug/kg	ND	323	09/30/20 11:04	
Benzo(a)pyrene	ug/kg	ND	323	09/30/20 11:04	
Benzo(b)fluoranthene	ug/kg	ND	323	09/30/20 11:04	
Benzo(g,h,i)perylene	ug/kg	ND	323	09/30/20 11:04	
Benzo(k)fluoranthene	ug/kg	ND	323	09/30/20 11:04	
Benzoic Acid	ug/kg	ND	1630	09/30/20 11:04	
Benzyl alcohol	ug/kg	ND	646	09/30/20 11:04	
bis(2-Chloroethoxy)methane	ug/kg	ND	323	09/30/20 11:04	
bis(2-Chloroethyl) ether	ug/kg	ND	323	09/30/20 11:04	
bis(2-Chloroisopropyl) ether	ug/kg	ND	323	09/30/20 11:04	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: PINE LAWN

Pace Project No.: 60349351

METHOD BLANK: 2747544

Matrix: Solid

Associated Lab Samples: 60349351001, 60349351002, 60349351003, 60349351004, 60349351005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
bis(2-Ethylhexyl)phthalate	ug/kg	ND	323	09/30/20 11:04	
Butylbenzylphthalate	ug/kg	ND	323	09/30/20 11:04	
Carbazole	ug/kg	ND	323	09/30/20 11:04	
Chrysene	ug/kg	ND	323	09/30/20 11:04	
Di-n-butylphthalate	ug/kg	ND	323	09/30/20 11:04	
Di-n-octylphthalate	ug/kg	ND	323	09/30/20 11:04	
Dibenz(a,h)anthracene	ug/kg	ND	323	09/30/20 11:04	
Dibenzofuran	ug/kg	ND	323	09/30/20 11:04	
Diethylphthalate	ug/kg	ND	323	09/30/20 11:04	
Dimethylphthalate	ug/kg	ND	323	09/30/20 11:04	
Fluoranthene	ug/kg	ND	323	09/30/20 11:04	
Fluorene	ug/kg	ND	323	09/30/20 11:04	
Hexachloro-1,3-butadiene	ug/kg	ND	323	09/30/20 11:04	
Hexachlorobenzene	ug/kg	ND	323	09/30/20 11:04	
Hexachlorocyclopentadiene	ug/kg	ND	323	09/30/20 11:04	
Hexachloroethane	ug/kg	ND	323	09/30/20 11:04	
Indeno(1,2,3-cd)pyrene	ug/kg	ND	323	09/30/20 11:04	
Isophorone	ug/kg	ND	323	09/30/20 11:04	
N-Nitroso-di-n-propylamine	ug/kg	ND	323	09/30/20 11:04	
N-Nitrosodiphenylamine	ug/kg	ND	323	09/30/20 11:04	
Naphthalene	ug/kg	ND	323	09/30/20 11:04	
Nitrobenzene	ug/kg	ND	323	09/30/20 11:04	
Pentachlorophenol	ug/kg	ND	1630	09/30/20 11:04	
Phenanthrene	ug/kg	ND	323	09/30/20 11:04	
Phenol	ug/kg	ND	323	09/30/20 11:04	
Pyrene	ug/kg	ND	323	09/30/20 11:04	
Pyridine	ug/kg	ND	323	09/30/20 11:04	
2,4,6-Tribromophenol (S)	%	80	41-108	09/30/20 11:04	
2-Fluorobiphenyl (S)	%	80	39-136	09/30/20 11:04	
2-Fluorophenol (S)	%	77	43-96	09/30/20 11:04	
Nitrobenzene-d5 (S)	%	81	33-132	09/30/20 11:04	
Phenol-d6 (S)	%	78	43-95	09/30/20 11:04	
Terphenyl-d14 (S)	%	85	29-131	09/30/20 11:04	

LABORATORY CONTROL SAMPLE: 2747545

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2,4-Trichlorobenzene	ug/kg	1570	1220	78	52-104	
1,2-Dichlorobenzene	ug/kg	1570	1210	77	51-99	
1,3-Dichlorobenzene	ug/kg	1570	1190	76	48-102	
1,4-Dichlorobenzene	ug/kg	1570	1190	76	49-101	
2,4,5-Trichlorophenol	ug/kg	1570	1290	82	58-109	
2,4,6-Trichlorophenol	ug/kg	1570	1270	81	56-109	
2,4-Dichlorophenol	ug/kg	1570	1250	80	54-106	

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QUALITY CONTROL DATA

Project: PINE LAWN

Pace Project No.: 60349351

LABORATORY CONTROL SAMPLE: 2747545

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
2,4-Dimethylphenol	ug/kg	1570	1260	80	49-104	
2,4-Dinitrophenol	ug/kg	1570	1250J	79	26-119	
2,4-Dinitrotoluene	ug/kg	1570	1310	83	60-109	
2,6-Dinitrotoluene	ug/kg	1570	1260	80	59-109	
2-Chloronaphthalene	ug/kg	1570	1220	78	56-104	
2-Chlorophenol	ug/kg	1570	1250	79	56-98	
2-Methylnaphthalene	ug/kg	1570	1270	81	53-103	
2-Methylphenol(o-Cresol)	ug/kg	1570	1250	79	52-102	
2-Nitroaniline	ug/kg	1570	1260	80	54-113	
2-Nitrophenol	ug/kg	1570	1250	79	51-111	
3&4-Methylphenol(m&p Cresol)	ug/kg	1570	1250	79	52-102	
3,3'-Dichlorobenzidine	ug/kg	1570	850	54	19-126	
3-Nitroaniline	ug/kg	1570	883	56	31-122	
4,6-Dinitro-2-methylphenol	ug/kg	1570	1160J	74	37-117	
4-Bromophenylphenyl ether	ug/kg	1570	1230	78	60-106	
4-Chloro-3-methylphenol	ug/kg	1570	1300	83	55-107	
4-Chloroaniline	ug/kg	1570	690	44	10-116	
4-Chlorophenylphenyl ether	ug/kg	1570	1240	79	56-107	
4-Nitroaniline	ug/kg	1570	1260	80	52-113	
4-Nitrophenol	ug/kg	1570	1350J	86	53-114	
Acenaphthene	ug/kg	1570	1260	80	55-105	
Acenaphthylene	ug/kg	1570	1310	84	57-105	
Anthracene	ug/kg	1570	1250	79	59-106	
Benzo(a)anthracene	ug/kg	1570	1270	81	59-109	
Benzo(a)pyrene	ug/kg	1570	1260	80	59-109	
Benzo(b)fluoranthene	ug/kg	1570	1280	82	56-112	
Benzo(g,h,i)perylene	ug/kg	1570	1280	82	57-109	
Benzo(k)fluoranthene	ug/kg	1570	1290	82	57-107	
Benzoic Acid	ug/kg	1570	1770	112	10-96	L1
Benzyl alcohol	ug/kg	1570	1280	81	56-103	
bis(2-Chloroethoxy)methane	ug/kg	1570	1200	76	52-102	
bis(2-Chloroethyl) ether	ug/kg	1570	1190	76	51-100	
bis(2-Chloroisopropyl) ether	ug/kg	1570	1240	79	47-101	
bis(2-Ethylhexyl)phthalate	ug/kg	1570	1340	85	61-113	
Butylbenzylphthalate	ug/kg	1570	1280	82	62-110	
Carbazole	ug/kg	1570	1290	82	60-106	
Chrysene	ug/kg	1570	1310	83	58-108	
Di-n-butylphthalate	ug/kg	1570	1300	83	61-110	
Di-n-octylphthalate	ug/kg	1570	1350	86	58-114	
Dibenz(a,h)anthracene	ug/kg	1570	1300	83	57-109	
Dibenzofuran	ug/kg	1570	1230	78	56-106	
Diethylphthalate	ug/kg	1570	1260	80	57-107	
Dimethylphthalate	ug/kg	1570	1260	80	55-106	
Fluoranthene	ug/kg	1570	1250	79	60-109	
Fluorene	ug/kg	1570	1240	79	56-107	
Hexachloro-1,3-butadiene	ug/kg	1570	1250	79	50-106	
Hexachlorobenzene	ug/kg	1570	1210	77	56-107	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: PINE LAWN

Pace Project No.: 60349351

LABORATORY CONTROL SAMPLE: 2747545

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Hexachlorocyclopentadiene	ug/kg	1570	1010	65	18-118	
Hexachloroethane	ug/kg	1570	1200	76	49-101	
Indeno(1,2,3-cd)pyrene	ug/kg	1570	1290	82	58-108	
Isophorone	ug/kg	1570	1240	79	53-99	
N-Nitroso-di-n-propylamine	ug/kg	1570	1210	77	50-101	
N-Nitrosodiphenylamine	ug/kg	1570	1260	80	58-107	
Naphthalene	ug/kg	1570	1220	78	51-103	
Nitrobenzene	ug/kg	1570	1240	79	51-104	
Pentachlorophenol	ug/kg	1570	1280J	82	43-123	
Phenanthrene	ug/kg	1570	1240	79	58-106	
Phenol	ug/kg	1570	1250	80	53-101	
Pyrene	ug/kg	1570	1290	82	60-108	
Pyridine	ug/kg	1570	905	58	33-72	
2,4,6-Tribromophenol (S)	%			78	41-108	
2-Fluorobiphenyl (S)	%			78	39-136	
2-Fluorophenol (S)	%			73	43-96	
Nitrobenzene-d5 (S)	%			78	33-132	
Phenol-d6 (S)	%			72	43-95	
Terphenyl-d14 (S)	%			83	29-131	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2747546 2747547

Parameter	Units	60349231006 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,2,4-Trichlorobenzene	ug/kg	ND	1870	1940	1460	1490	78	76	42-102	2	26	
1,2-Dichlorobenzene	ug/kg	ND	1870	1940	1390	1430	75	74	45-96	3	31	
1,3-Dichlorobenzene	ug/kg	ND	1870	1940	1370	1400	74	72	44-95	2	31	
1,4-Dichlorobenzene	ug/kg	ND	1870	1940	1410	1440	75	74	45-95	2	30	
2,4,5-Trichlorophenol	ug/kg	ND	1870	1940	1530	1530	82	79	47-109	0	31	
2,4,6-Trichlorophenol	ug/kg	ND	1870	1940	1540	1550	82	80	14-133	1	31	
2,4-Dichlorophenol	ug/kg	ND	1870	1940	1490	1530	80	79	36-111	2	29	
2,4-Dimethylphenol	ug/kg	ND	1870	1940	1480	1500	79	77	22-113	1	32	
2,4-Dinitrophenol	ug/kg	ND	1870	1940	983J	929J	53	48	10-116		35	
2,4-Dinitrotoluene	ug/kg	ND	1870	1940	1510	1520	81	78	10-133	0	32	
2,6-Dinitrotoluene	ug/kg	ND	1870	1940	1510	1520	81	78	17-125	0	25	
2-Chloronaphthalene	ug/kg	ND	1870	1940	1470	1490	79	76	47-105	1	28	
2-Chlorophenol	ug/kg	ND	1870	1940	1460	1470	78	75	44-100	0	31	
2-Methylnaphthalene	ug/kg	ND	1870	1940	1510	1530	81	79	43-104	1	28	
2-Methylphenol(o-Cresol)	ug/kg	ND	1870	1940	1440	1450	77	74	37-105	0	32	
2-Nitroaniline	ug/kg	ND	1870	1940	1540	1520	82	78	44-117	1	28	
2-Nitrophenol	ug/kg	ND	1870	1940	1480	1530	79	78	10-145	3	30	
3&4-Methylphenol(m&p Cresol)	ug/kg	ND	1870	1940	1460	1460	78	75	35-108	0	30	
3,3'-Dichlorobenzidine	ug/kg	ND	1870	1940	1180	1210	63	62	10-133	2	39	
3-Nitroaniline	ug/kg	ND	1870	1940	1350	1310	72	67	10-124	3	27	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: PINE LAWN

Pace Project No.: 60349351

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2747546 2747547											
Parameter	Units	60349231006 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	Max RPD	Qual
4,6-Dinitro-2-methylphenol	ug/kg	ND	1870	1940	1230J	1110J	66	57	10-123	30	
4-Bromophenylphenyl ether	ug/kg	ND	1870	1940	1500	1480	80	76	47-109	1	33
4-Chloro-3-methylphenol	ug/kg	ND	1870	1940	1560	1540	83	79	42-109	1	30
4-Chloroaniline	ug/kg	ND	1870	1940	956	965	51	50	10-94	1	33
4-Chlorophenylphenyl ether	ug/kg	ND	1870	1940	1490	1500	80	77	46-106	0	33
4-Nitroaniline	ug/kg	ND	1870	1940	1450	1510	78	77	11-126	4	47
4-Nitrophenol	ug/kg	ND	1870	1940	1550J	1790J	83	92	18-130		35
Acenaphthene	ug/kg	ND	1870	1940	1530	1550	82	80	44-104	1	23
Acenaphthylene	ug/kg	ND	1870	1940	1590	1580	85	81	47-102	1	29
Anthracene	ug/kg	ND	1870	1940	1490	1510	80	77	39-112	1	30
Benzo(a)anthracene	ug/kg	ND	1870	1940	1540	1510	83	78	10-139	2	32
Benzo(a)pyrene	ug/kg	ND	1870	1940	1460	1470	78	76	12-132	1	33
Benzo(b)fluoranthene	ug/kg	ND	1870	1940	1580	1490	85	77	12-136	6	37
Benzo(g,h,i)perylene	ug/kg	ND	1870	1940	1400	1420	75	73	22-119	2	41
Benzo(k)fluoranthene	ug/kg	ND	1870	1940	1450	1580	77	81	32-113	9	32
Benzoic Acid	ug/kg	ND	1870	1940	1890	1580J	101	81	10-101		35
Benzyl alcohol	ug/kg	ND	1870	1940	1470	1450	78	75	46-103	1	31
bis(2-Chloroethoxy)methane	ug/kg	ND	1870	1940	1420	1440	76	74	41-100	1	29
bis(2-Chloroethyl) ether	ug/kg	ND	1870	1940	1410	1420	76	73	46-100	0	32
bis(2-Chloroisopropyl) ether	ug/kg	ND	1870	1940	1450	1450	77	75	40-99	0	29
bis(2-Ethylhexyl)phthalate	ug/kg	ND	1870	1940	1570	1570	84	81	24-141	0	33
Butylbenzylphthalate	ug/kg	ND	1870	1940	1530	1500	82	77	41-131	2	33
Carbazole	ug/kg	ND	1870	1940	1510	1520	81	78	41-107	1	30
Chrysene	ug/kg	ND	1870	1940	1560	1520	83	78	10-137	2	31
Di-n-butylphthalate	ug/kg	ND	1870	1940	1540	1530	82	79	41-118	0	31
Di-n-octylphthalate	ug/kg	ND	1870	1940	1590	1620	85	83	40-138	2	29
Dibenz(a,h)anthracene	ug/kg	ND	1870	1940	1460	1480	78	76	23-122	1	35
Dibenzofuran	ug/kg	ND	1870	1940	1480	1490	79	76	49-101	1	28
Diethylphthalate	ug/kg	ND	1870	1940	1520	1490	81	77	42-107	2	31
Dimethylphthalate	ug/kg	ND	1870	1940	1510	1490	81	77	37-108	1	30
Fluoranthene	ug/kg	ND	1870	1940	1480	1490	79	76	10-139	1	32
Fluorene	ug/kg	ND	1870	1940	1500	1490	80	77	43-108	0	32
Hexachloro-1,3-butadiene	ug/kg	ND	1870	1940	1460	1480	78	76	41-104	2	27
Hexachlorobenzene	ug/kg	ND	1870	1940	1460	1460	78	75	46-105	0	31
Hexachlorocyclopentadiene	ug/kg	ND	1870	1940	1080	1150	58	59	10-111	6	61
Hexachloroethane	ug/kg	ND	1870	1940	1380	1420	74	73	11-119	2	34
Indeno(1,2,3-cd)pyrene	ug/kg	ND	1870	1940	1470	1460	79	75	21-120	1	38
Isophorone	ug/kg	ND	1870	1940	1480	1490	79	76	44-97	1	28
N-Nitroso-di-n-propylamine	ug/kg	ND	1870	1940	1420	1450	76	74	37-108	2	30
N-Nitrosodiphenylamine	ug/kg	ND	1870	1940	1490	1510	80	77	41-108	1	36
Naphthalene	ug/kg	ND	1870	1940	1460	1480	78	76	40-105	1	31
Nitrobenzene	ug/kg	ND	1870	1940	1490	1500	80	77	35-106	1	29
Pentachlorophenol	ug/kg	ND	1870	1940	1640J	1480J	88	76	10-144		35
Phenanthrene	ug/kg	ND	1870	1940	1500	1490	80	77	43-108	1	29
Phenol	ug/kg	ND	1870	1940	1470	1460	79	75	38-102	1	29

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QUALITY CONTROL DATA

Project: PINE LAWN

Pace Project No.: 60349351

MATRIX SPIKE & MATRIX SPIKE DUPLICATE:												
2747546				2747547								
Parameter	Units	60349231006	MS	MSD	MS	MSD	MS	MSD	% Rec	RPD	Max	Qual
		Result	Spike	Spike								
Pyrene	ug/kg	ND	1870	1940	1570	1520	84	78	10-147	3	38	
Pyridine	ug/kg	ND	1870	1940	895	812	48	42	10-79	10	35	
2,4,6-Tribromophenol (S)	%						78	72	41-108			
2-Fluorobiphenyl (S)	%						80	76	39-136			
2-Fluorophenol (S)	%						72	68	43-96			
Nitrobenzene-d5 (S)	%						80	74	33-132			
Phenol-d6 (S)	%						72	68	43-95			
Terphenyl-d14 (S)	%						84	78	29-131			

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QUALITY CONTROL DATA

Project: PINE LAWN
Pace Project No.: 60349351

QC Batch:	679544	Analysis Method:	EPA 8270
QC Batch Method:	EPA 3546	Analysis Description:	8270 MSSV TPH ORO
		Laboratory:	Pace Analytical Services - Kansas City

Associated Lab Samples: 60349351001, 60349351002, 60349351003, 60349351004, 60349351005

METHOD BLANK: 2747562 Matrix: Solid
Associated Lab Samples: 60349351001, 60349351002, 60349351003, 60349351004, 60349351005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
TPH-DRO	mg/kg	ND	14.3	10/05/20 12:13	
TPH-ORO	mg/kg	ND	14.3	10/05/20 12:13	
2-Fluorobiphenyl (S)	%	91	39-136	10/05/20 12:13	
Nitrobenzene-d5 (S)	%	84	33-132	10/05/20 12:13	
Terphenyl-d14 (S)	%	100	29-131	10/05/20 12:13	

LABORATORY CONTROL SAMPLE: 2747563

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
TPH-DRO	mg/kg	321	271	84	39-122	
2-Fluorobiphenyl (S)	%			90	39-136	
Nitrobenzene-d5 (S)	%			87	33-132	
Terphenyl-d14 (S)	%			100	29-131	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2747564 2747565

Parameter	Units	60349310001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
TPH-DRO	mg/kg	ND	381	386	301	342	79	89	12-137	13	38	
2-Fluorobiphenyl (S)	%						84	93	39-136			
Nitrobenzene-d5 (S)	%						82	91	33-132			
Terphenyl-d14 (S)	%						92	100	29-131			

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

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: PINE LAWN

Pace Project No.: 60349351

QC Batch: 679004

Analysis Method: ASTM D2974

QC Batch Method: ASTM D2974

Analysis Description: Dry Weight/Percent Moisture

Laboratory: Pace Analytical Services - Kansas City

Associated Lab Samples: 60349351001, 60349351002, 60349351003, 60349351004, 60349351005

METHOD BLANK: 2745353

Matrix: Solid

Associated Lab Samples: 60349351001, 60349351002, 60349351003, 60349351004, 60349351005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Percent Moisture	%	ND	0.50	09/25/20 11:09	

SAMPLE DUPLICATE: 2745354

Parameter	Units	60349272001 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	50.6	50.6	0	20	

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

REPORT OF LABORATORY ANALYSIS

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QUALIFIERS

Project: PINE LAWN

Pace Project No.: 60349351

DEFINITIONS

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

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

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

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

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

S - Surrogate

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

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

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

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

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

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

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

E	Analyte concentration exceeded the calibration range. The reported result is estimated.
L1	Analyte recovery in the laboratory control sample (LCS) was above QC limits. Results for this analyte in associated samples may be biased high.
M1	Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.
R1	RPD value was outside control limits.
S0	Surrogate recovery outside laboratory control limits.
SS	This analyte did not meet the secondary source verification criteria for the initial calibration. The reported result should be considered an estimated value.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: PINE LAWN

Pace Project No.: 60349351

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
60349351001	DPT-18-SO-(29-30)	EPA 3546	679802	EPA 8082	680480
60349351002	DPT-19-SO-(29-30)	EPA 3546	679802	EPA 8082	680480
60349351003	DPT-20-SO-(10-11)	EPA 3546	679802	EPA 8082	680480
60349351004	DPT-21-SO-(15-16)	EPA 3546	679802	EPA 8082	680480
60349351005	DPT-21-SO-(15-16)-FD	EPA 3546	679802	EPA 8082	680480
60349351001	DPT-18-SO-(29-30)	EPA 3050	680402	EPA 6010	680676
60349351002	DPT-19-SO-(29-30)	EPA 3050	680402	EPA 6010	680676
60349351003	DPT-20-SO-(10-11)	EPA 3050	680402	EPA 6010	680676
60349351004	DPT-21-SO-(15-16)	EPA 3050	680402	EPA 6010	680676
60349351005	DPT-21-SO-(15-16)-FD	EPA 3050	680402	EPA 6010	680676
60349351001	DPT-18-SO-(29-30)	EPA 7471	679970	EPA 7471	680181
60349351002	DPT-19-SO-(29-30)	EPA 7471	679970	EPA 7471	680181
60349351003	DPT-20-SO-(10-11)	EPA 7471	679970	EPA 7471	680181
60349351004	DPT-21-SO-(15-16)	EPA 7471	679970	EPA 7471	680181
60349351005	DPT-21-SO-(15-16)-FD	EPA 7471	679970	EPA 7471	680181
60349351001	DPT-18-SO-(29-30)	EPA 3546	679538	EPA 8270	679906
60349351002	DPT-19-SO-(29-30)	EPA 3546	679538	EPA 8270	679906
60349351003	DPT-20-SO-(10-11)	EPA 3546	679538	EPA 8270	679906
60349351004	DPT-21-SO-(15-16)	EPA 3546	679538	EPA 8270	679906
60349351005	DPT-21-SO-(15-16)-FD	EPA 3546	679538	EPA 8270	679906
60349351001	DPT-18-SO-(29-30)	EPA 3546	679544	EPA 8270	680716
60349351002	DPT-19-SO-(29-30)	EPA 3546	679544	EPA 8270	680716
60349351003	DPT-20-SO-(10-11)	EPA 3546	679544	EPA 8270	680716
60349351004	DPT-21-SO-(15-16)	EPA 3546	679544	EPA 8270	680716
60349351005	DPT-21-SO-(15-16)-FD	EPA 3546	679544	EPA 8270	680716
60349351001	DPT-18-SO-(29-30)	EPA 5035A/5030	679357	EPA 8260B	679422
60349351002	DPT-19-SO-(29-30)	EPA 5035A/5030	679357	EPA 8260B	679422
60349351006	PINE LAWN-SO-TB7	EPA 5035A/5030	679165	EPA 8260B	679169
60349351003	DPT-20-SO-(10-11)	EPA 5035A/5030B	679322	EPA 8260B	679423
60349351004	DPT-21-SO-(15-16)	EPA 5035A/5030B	679322	EPA 8260B	679423
60349351005	DPT-21-SO-(15-16)-FD	EPA 5035A/5030B	679322	EPA 8260B	679423
60349351003	DPT-20-SO-(10-11)	EPA 5035/5030	679323	EPA 5035A/8260	679424
60349351004	DPT-21-SO-(15-16)	EPA 5035/5030	679323	EPA 5035A/8260	679424
60349351005	DPT-21-SO-(15-16)-FD	EPA 5035/5030	679323	EPA 5035A/8260	679424
60349351001	DPT-18-SO-(29-30)	EPA 5035	679525	EPA 8260	679561
60349351002	DPT-19-SO-(29-30)	EPA 5035	679525	EPA 8260	679561
60349351001	DPT-18-SO-(29-30)	ASTM D2974	679004		
60349351002	DPT-19-SO-(29-30)	ASTM D2974	679004		
60349351003	DPT-20-SO-(10-11)	ASTM D2974	679004		
60349351004	DPT-21-SO-(15-16)	ASTM D2974	679004		
60349351005	DPT-21-SO-(15-16)-FD	ASTM D2974	679004		

REPORT OF LABORATORY ANALYSIS

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Sample Condition Upon Receipt

WO#: 60349351



Client Name: Tetra Tech

Courier: FedEx ☐ UPS ☐ VIA ☐ Clay ☐ PEX ☐ ECI ☐ Pace ☐ Xroads ☒ Client ☐ Other ☐

Tracking #: _____ Pace Shipping Label Used? Yes ☐ No ☒

Custody Seal on Cooler/Box Present: Yes ☒ No ☐ Seals intact: Yes ☒ No ☐

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

Thermometer Used: T-299 Type of Ice: Wet Blue ☐ None ☐

Cooler Temperature (°C): As-read 1.1 Corr. Factor +0.2 Corrected 1.3

Date and initials of person examining contents:

02/24/20

Temperature should be above freezing to 6°C

Chain of Custody present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Chain of Custody relinquished:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Samples arrived within holding time:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Short Hold Time analyses (<72hr):	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	
Rush Turn Around Time requested:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	
Sufficient volume:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Correct containers used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Pace containers used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Containers intact:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Unpreserved 5035A / TX1005/1006 soils frozen in 48hrs?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
Filtered volume received for dissolved tests?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
Sample labels match COC: Date / time / ID / analyses	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Samples contain multiple phases? Matrix: <u>SL</u>	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	
Containers requiring pH preservation in compliance? (HNO ₃ , H ₂ SO ₄ , HCl<2; NaOH>9 Sulfide, NaOH>10 Cyanide) (Exceptions: VOA, Micro, O&G, KS TPH, OK-DRO)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	List sample IDs, volumes, lot #'s of preservative and the date/time added.
Cyanide water sample checks:		
Lead acetate strip turns dark? (Record only)	<input type="checkbox"/> Yes <input type="checkbox"/> No	
Potassium iodide test strip turns blue/purple? (Preserve)	<input type="checkbox"/> Yes <input type="checkbox"/> No	
Trip Blank present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Headspace in VOA vials (>6mm):	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
Samples from USDA Regulated Area: State: <u>MO</u>	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	
Additional labels attached to 5035A / TX1005 vials in the field?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	

Client Notification/ Resolution:

Copy COC to Client? Y / N

Field Data Required? Y / N

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

Project Manager Review:

Jeffrey Shopper

Date: _____

CHAIN-OF-CUSTODY / Analytical Request Document

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: Tetra Tech EMI	Report To: Kaitlyn Mitchell	Attention: Kaitlyn Mitchell	Company Name: Tetra Tech EMI	REGULATORY AGENCY	
Address: 415 Oak	Copy To:		Address:	NPDES <input type="checkbox"/> GROUND WATER <input type="checkbox"/> DRINKING WATER	
Kansas City, MO 64106			Pace Quote Reference:	UST <input type="checkbox"/> RCRA <input type="checkbox"/> OTHER <input type="checkbox"/>	
Email To: kaitlyn.mitchell@tetratech.com	Purchase Order No.:		Pace Project Manager:	Site Location	STATE: MO
Phone: (816) 412-1742	Project Name: Pine Lawn		Jeffrey Shopper 913-563-1408		
Fax: (816) 410-1748	Project Number		Pace Profile # *8083		
Requested Due Date/TAT:					

ITEM #	Valid Matrix Codes		COLLECTED		SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Requested Analysis Filtered (Y/N)										Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
	MATRIX	CODE	COMPOSITE START	COMPOSITE END			Preservatives	Analysis Test	8082 PCBs	8270 DRO/ORO	RCRA 8 Metals	8270 SVOCs	8260 VOCs	8260 GRO	RCRA8 Metals (Dissolved)			
1	DT-18-50-(29-30)	DW	09/23/10 1611	09/23/10 1611		7	Unpreserved	H ₂ SO ₄	X	X	X	X	X	X				60349351
2	DT-19-50-(19-30)	WW	09/23/10 1638	09/23/10 1638		7	HCl	NaOH	X	X	X	X	X	X				210901654
3	DT-20-50-(10-11)	P	09/23/10 1707	09/23/10 1707		7	HNO ₃	Na ₂ S ₂ O ₃	X	X	X	X	X	X				001
4	DT-21-50-(15-16)	SL	09/23/10 1745	09/23/10 1745		7			X	X	X	X	X	X				002
5	DT-21-50-(15-16)-FD	SL	09/23/10 1745	09/23/10 1745		7			X	X	X	X	X	X				003
6	Pine Lawn-50-TB4	WT	09/23/10 1804	09/23/10 1804		2			X	X	X	X	X	X				004
7																		005
8																		006
9																		
10																		
11																		
12																		

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
	Thomas Valley Tetra Tech	09/23/10	1814	Plumprase	09/23/10	0444	1-3	Y	Y	Y
SAMPLER NAME AND SIGNATURE							Temp in °C	Received on	Custody Sealed	Samples Intact
PRINT Name of SAMPLER: Thomas Valley & Stephanie Collins										
SIGNATURE of SAMPLER: [Signature]										
DATE Signed (MM/DD/YY): 09/23/20										

October 07, 2020

Kaitlyn Mitchell
Tetra Tech EMI
415 Oak
Kansas City, MO 64106

RE: Project: PINE LAWN
Pace Project No.: 60349352

Dear Kaitlyn Mitchell:

Enclosed are the analytical results for sample(s) received by the laboratory on September 24, 2020. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

- Pace Analytical Services - Kansas City

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

Sincerely,



Jeffrey Shopper
jeff.shopper@pacelabs.com
1(913)563-1408
Project Manager

Enclosures



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: PINE LAWN

Pace Project No.: 60349352

Pace Analytical Services Kansas

9608 Loiret Boulevard, Lenexa, KS 66219

Missouri Inorganic Drinking Water Certification #: 10090

Arkansas Drinking Water

Arkansas Certification #: 20-020-0

Arkansas Drinking Water

Illinois Certification #: 200030

Iowa Certification #: 118

Kansas/NELAP Certification #: E-10116

Louisiana Certification #: 03055

Nevada Certification #: KS000212020-2

Oklahoma Certification #: 9205/9935

Florida: Cert E871149 SEKS WET

Texas Certification #: T104704407-19-12

Utah Certification #: KS000212019-9

Illinois Certification #: 004592

Kansas Field Laboratory Accreditation: # E-92587

Missouri SEKS Micro Certification: 10070

REPORT OF LABORATORY ANALYSIS

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SAMPLE SUMMARY

Project: PINE LAWN

Pace Project No.: 60349352

Lab ID	Sample ID	Matrix	Date Collected	Date Received
60349352001	DPT-12-SO-(1-3)	Solid	09/23/20 08:41	09/24/20 04:44
60349352002	DPT-12-SO-(1-3)-FD	Solid	09/23/20 08:41	09/24/20 04:44
60349352003	DPT-12-SO-(5-6)	Solid	09/23/20 09:11	09/24/20 04:44
60349352004	DPT-12-SO-(27-28)	Solid	09/23/20 09:37	09/24/20 04:44
60349352005	DPT-13-SO-(29-30)	Solid	09/23/20 10:11	09/24/20 04:44
60349352006	DPT-14-SO-(13-14)	Solid	09/23/20 10:50	09/24/20 04:44
60349352007	PINE LAWN-SO-TB5	Solid	09/23/20 12:55	09/24/20 04:44

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SAMPLE ANALYTE COUNT

Project: PINE LAWN

Pace Project No.: 60349352

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
60349352001	DPT-12-SO-(1-3)	EPA 8082	AJB1	8	PASI-K
		EPA 6010	TDS	7	PASI-K
		EPA 7471	MRV	1	PASI-K
		EPA 8270	JMT	73	PASI-K
		EPA 8270	NAW	5	PASI-K
		EPA 8260B	RAD	68	PASI-K
		EPA 5035A/8260	RAD	4	PASI-K
		ASTM D2974	DWC	1	PASI-K
60349352002	DPT-12-SO-(1-3)-FD	EPA 8082	AJB1	8	PASI-K
		EPA 6010	TDS	7	PASI-K
		EPA 7471	MRV	1	PASI-K
		EPA 8270	JMT	73	PASI-K
		EPA 8270	NAW	5	PASI-K
		EPA 8260B	RAD	68	PASI-K
		EPA 5035A/8260	RAD	4	PASI-K
		ASTM D2974	DWC	1	PASI-K
60349352003	DPT-12-SO-(5-6)	EPA 8082	AJB1	8	PASI-K
		EPA 6010	TDS	7	PASI-K
		EPA 7471	MRV	1	PASI-K
		EPA 8270	JMT	73	PASI-K
		EPA 8270	NAW	5	PASI-K
		EPA 8260B	RAD	68	PASI-K
		EPA 5035A/8260	RAD	4	PASI-K
		ASTM D2974	DWC	1	PASI-K
60349352004	DPT-12-SO-(27-28)	EPA 8082	AJB1	8	PASI-K
		EPA 6010	TDS	7	PASI-K
		EPA 7471	MRV	1	PASI-K
		EPA 8270	JMT	73	PASI-K
		EPA 8270	NAW	5	PASI-K
		EPA 8260B	RAD	68	PASI-K
		EPA 8260	RAD	4	PASI-K
		ASTM D2974	DWC	1	PASI-K
60349352005	DPT-13-SO-(29-30)	EPA 8082	AJB1	8	PASI-K
		EPA 6010	TDS	7	PASI-K
		EPA 7471	MRV	1	PASI-K
		EPA 8270	JMT	73	PASI-K
		EPA 8270	NAW	5	PASI-K

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: PINE LAWN

Pace Project No.: 60349352

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
60349352006	DPT-14-SO-(13-14)	EPA 8260B	RAD	68	PASI-K
		EPA 8260	RAD	4	PASI-K
		ASTM D2974	DWC	1	PASI-K
		EPA 8082	AJB1	8	PASI-K
		EPA 6010	TDS	7	PASI-K
		EPA 7471	MRV	1	PASI-K
		EPA 8270	JMT	73	PASI-K
		EPA 8270	NAW	5	PASI-K
		EPA 8260B	RAD	65	PASI-K
		EPA 8260B	RAD	6	PASI-K
		EPA 8260	RAD	4	PASI-K
		ASTM D2974	DWC	1	PASI-K
		EPA 8260B	RAD	68	PASI-K
60349352007	PINE LAWN-SO-TB5	EPA 8260B	RAD	68	PASI-K

PASI-K = Pace Analytical Services - Kansas City

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: PINE LAWN

Pace Project No.: 60349352

Sample: DPT-12-SO-(1-3) **Lab ID:** 60349352001 **Collected:** 09/23/20 08:41 **Received:** 09/24/20 04:44 **Matrix:** Solid

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

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8082 GCS PCB SW								
Analytical Method: EPA 8082 Preparation Method: EPA 3546								
Pace Analytical Services - Kansas City								
PCB-1016 (Aroclor 1016)	ND	ug/kg	37.7	1	09/30/20 15:02	10/02/20 15:38	12674-11-2	
PCB-1221 (Aroclor 1221)	ND	ug/kg	37.7	1	09/30/20 15:02	10/02/20 15:38	11104-28-2	
PCB-1232 (Aroclor 1232)	ND	ug/kg	37.7	1	09/30/20 15:02	10/02/20 15:38	11141-16-5	
PCB-1242 (Aroclor 1242)	ND	ug/kg	37.7	1	09/30/20 15:02	10/02/20 15:38	53469-21-9	
PCB-1248 (Aroclor 1248)	ND	ug/kg	37.7	1	09/30/20 15:02	10/02/20 15:38	12672-29-6	
PCB-1254 (Aroclor 1254)	ND	ug/kg	37.7	1	09/30/20 15:02	10/02/20 15:38	11097-69-1	
PCB-1260 (Aroclor 1260)	ND	ug/kg	37.7	1	09/30/20 15:02	10/02/20 15:38	11096-82-5	
Surrogates								
Decachlorobiphenyl (S)	73	%	28-143	1	09/30/20 15:02	10/02/20 15:38	2051-24-3	
6010 MET ICP Red. Interference								
Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Pace Analytical Services - Kansas City								
Arsenic	10.7	mg/kg	0.99	1	10/02/20 10:03	10/05/20 20:46	7440-38-2	
Barium	175	mg/kg	0.50	1	10/02/20 10:03	10/05/20 20:46	7440-39-3	
Cadmium	0.67	mg/kg	0.50	1	10/02/20 10:03	10/05/20 20:46	7440-43-9	
Chromium	14.7	mg/kg	0.50	1	10/02/20 10:03	10/05/20 20:46	7440-47-3	
Lead	42.4	mg/kg	0.99	1	10/02/20 10:03	10/05/20 20:46	7439-92-1	
Selenium	ND	mg/kg	1.5	1	10/02/20 10:03	10/05/20 20:46	7782-49-2	
Silver	ND	mg/kg	0.69	1	10/02/20 10:03	10/05/20 20:46	7440-22-4	
7471 Mercury								
Analytical Method: EPA 7471 Preparation Method: EPA 7471								
Pace Analytical Services - Kansas City								
Mercury	ND	mg/kg	0.047	1	09/30/20 18:07	10/01/20 13:26	7439-97-6	
8270 MSSV Semivolatiles								
Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Pace Analytical Services - Kansas City								
Acenaphthene	ND	ug/kg	383	1	09/29/20 13:22	10/06/20 01:15	83-32-9	
Acenaphthylene	ND	ug/kg	383	1	09/29/20 13:22	10/06/20 01:15	208-96-8	
Anthracene	ND	ug/kg	383	1	09/29/20 13:22	10/06/20 01:15	120-12-7	
Benzo(a)anthracene	ND	ug/kg	383	1	09/29/20 13:22	10/06/20 01:15	56-55-3	
Benzo(a)pyrene	ND	ug/kg	383	1	09/29/20 13:22	10/06/20 01:15	50-32-8	
Benzo(b)fluoranthene	ND	ug/kg	383	1	09/29/20 13:22	10/06/20 01:15	205-99-2	
Benzo(g,h,i)perylene	ND	ug/kg	383	1	09/29/20 13:22	10/06/20 01:15	191-24-2	
Benzo(k)fluoranthene	ND	ug/kg	383	1	09/29/20 13:22	10/06/20 01:15	207-08-9	
Benzoic Acid	ND	ug/kg	1940	1	09/29/20 13:22	10/06/20 01:15	65-85-0	L1
Benzyl alcohol	ND	ug/kg	766	1	09/29/20 13:22	10/06/20 01:15	100-51-6	
4-Bromophenylphenyl ether	ND	ug/kg	383	1	09/29/20 13:22	10/06/20 01:15	101-55-3	
Butylbenzylphthalate	ND	ug/kg	383	1	09/29/20 13:22	10/06/20 01:15	85-68-7	
Carbazole	ND	ug/kg	383	1	09/29/20 13:22	10/06/20 01:15	86-74-8	
4-Chloro-3-methylphenol	ND	ug/kg	766	1	09/29/20 13:22	10/06/20 01:15	59-50-7	
4-Chloroaniline	ND	ug/kg	766	1	09/29/20 13:22	10/06/20 01:15	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/kg	383	1	09/29/20 13:22	10/06/20 01:15	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/kg	383	1	09/29/20 13:22	10/06/20 01:15	111-44-4	
bis(2-Chloroisopropyl) ether	ND	ug/kg	383	1	09/29/20 13:22	10/06/20 01:15	108-60-1	
2-Chloronaphthalene	ND	ug/kg	383	1	09/29/20 13:22	10/06/20 01:15	91-58-7	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: PINE LAWN

Pace Project No.: 60349352

Sample: DPT-12-SO-(1-3) Lab ID: 60349352001 Collected: 09/23/20 08:41 Received: 09/24/20 04:44 Matrix: Solid

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

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Semivolatiles		Analytical Method: EPA 8270 Preparation Method: EPA 3546 Pace Analytical Services - Kansas City						
2-Chlorophenol	ND	ug/kg	383	1	09/29/20 13:22	10/06/20 01:15	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/kg	383	1	09/29/20 13:22	10/06/20 01:15	7005-72-3	
Chrysene	ND	ug/kg	383	1	09/29/20 13:22	10/06/20 01:15	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	383	1	09/29/20 13:22	10/06/20 01:15	53-70-3	
Dibenzofuran	ND	ug/kg	383	1	09/29/20 13:22	10/06/20 01:15	132-64-9	
1,2-Dichlorobenzene	ND	ug/kg	383	1	09/29/20 13:22	10/06/20 01:15	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	383	1	09/29/20 13:22	10/06/20 01:15	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	383	1	09/29/20 13:22	10/06/20 01:15	106-46-7	
3,3'-Dichlorobenzidine	ND	ug/kg	766	1	09/29/20 13:22	10/06/20 01:15	91-94-1	
2,4-Dichlorophenol	ND	ug/kg	383	1	09/29/20 13:22	10/06/20 01:15	120-83-2	
Diethylphthalate	ND	ug/kg	383	1	09/29/20 13:22	10/06/20 01:15	84-66-2	
2,4-Dimethylphenol	ND	ug/kg	383	1	09/29/20 13:22	10/06/20 01:15	105-67-9	
Dimethylphthalate	ND	ug/kg	383	1	09/29/20 13:22	10/06/20 01:15	131-11-3	
Di-n-butylphthalate	ND	ug/kg	383	1	09/29/20 13:22	10/06/20 01:15	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/kg	1940	1	09/29/20 13:22	10/06/20 01:15	534-52-1	
2,4-Dinitrophenol	ND	ug/kg	1940	1	09/29/20 13:22	10/06/20 01:15	51-28-5	
2,4-Dinitrotoluene	ND	ug/kg	383	1	09/29/20 13:22	10/06/20 01:15	121-14-2	
2,6-Dinitrotoluene	ND	ug/kg	383	1	09/29/20 13:22	10/06/20 01:15	606-20-2	
Di-n-octylphthalate	ND	ug/kg	383	1	09/29/20 13:22	10/06/20 01:15	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/kg	383	1	09/29/20 13:22	10/06/20 01:15	117-81-7	
Fluoranthene	ND	ug/kg	383	1	09/29/20 13:22	10/06/20 01:15	206-44-0	
Fluorene	ND	ug/kg	383	1	09/29/20 13:22	10/06/20 01:15	86-73-7	
Hexachloro-1,3-butadiene	ND	ug/kg	383	1	09/29/20 13:22	10/06/20 01:15	87-68-3	
Hexachlorobenzene	ND	ug/kg	383	1	09/29/20 13:22	10/06/20 01:15	118-74-1	
Hexachlorocyclopentadiene	ND	ug/kg	383	1	09/29/20 13:22	10/06/20 01:15	77-47-4	
Hexachloroethane	ND	ug/kg	383	1	09/29/20 13:22	10/06/20 01:15	67-72-1	
Indeno(1,2,3-cd)pyrene	ND	ug/kg	383	1	09/29/20 13:22	10/06/20 01:15	193-39-5	
Isophorone	ND	ug/kg	383	1	09/29/20 13:22	10/06/20 01:15	78-59-1	
2-Methylnaphthalene	11000	ug/kg	3830	10	09/29/20 13:22	10/06/20 13:30	91-57-6	
2-Methylphenol(o-Cresol)	ND	ug/kg	383	1	09/29/20 13:22	10/06/20 01:15	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/kg	383	1	09/29/20 13:22	10/06/20 01:15	15831-10-4	
Naphthalene	10600	ug/kg	3830	10	09/29/20 13:22	10/06/20 13:30	91-20-3	
2-Nitroaniline	ND	ug/kg	766	1	09/29/20 13:22	10/06/20 01:15	88-74-4	
3-Nitroaniline	ND	ug/kg	766	1	09/29/20 13:22	10/06/20 01:15	99-09-2	
4-Nitroaniline	ND	ug/kg	766	1	09/29/20 13:22	10/06/20 01:15	100-01-6	
Nitrobenzene	ND	ug/kg	383	1	09/29/20 13:22	10/06/20 01:15	98-95-3	
2-Nitrophenol	ND	ug/kg	383	1	09/29/20 13:22	10/06/20 01:15	88-75-5	
4-Nitrophenol	ND	ug/kg	1940	1	09/29/20 13:22	10/06/20 01:15	100-02-7	
N-Nitroso-di-n-propylamine	ND	ug/kg	383	1	09/29/20 13:22	10/06/20 01:15	621-64-7	
N-Nitrosodiphenylamine	ND	ug/kg	383	1	09/29/20 13:22	10/06/20 01:15	86-30-6	
Pentachlorophenol	ND	ug/kg	1940	1	09/29/20 13:22	10/06/20 01:15	87-86-5	
Phenanthrene	ND	ug/kg	383	1	09/29/20 13:22	10/06/20 01:15	85-01-8	
Phenol	ND	ug/kg	383	1	09/29/20 13:22	10/06/20 01:15	108-95-2	
Pyrene	414	ug/kg	383	1	09/29/20 13:22	10/06/20 01:15	129-00-0	
Pyridine	ND	ug/kg	383	1	09/29/20 13:22	10/06/20 01:15	110-86-1	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: PINE LAWN

Pace Project No.: 60349352

Sample: DPT-12-SO-(1-3) **Lab ID:** 60349352001 **Collected:** 09/23/20 08:41 **Received:** 09/24/20 04:44 **Matrix:** Solid

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

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
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8270 MSSV Semivolatiles

Analytical Method: EPA 8270 Preparation Method: EPA 3546

Pace Analytical Services - Kansas City

1,2,4-Trichlorobenzene	ND	ug/kg	383	1	09/29/20 13:22	10/06/20 01:15	120-82-1	
2,4,5-Trichlorophenol	ND	ug/kg	383	1	09/29/20 13:22	10/06/20 01:15	95-95-4	
2,4,6-Trichlorophenol	ND	ug/kg	383	1	09/29/20 13:22	10/06/20 01:15	88-06-2	
Surrogates								
Nitrobenzene-d5 (S)	85	%	33-132	1	09/29/20 13:22	10/06/20 01:15	4165-60-0	
2-Fluorobiphenyl (S)	62	%	39-136	1	09/29/20 13:22	10/06/20 01:15	321-60-8	
Terphenyl-d14 (S)	68	%	29-131	1	09/29/20 13:22	10/06/20 01:15	1718-51-0	
Phenol-d6 (S)	49	%	43-95	1	09/29/20 13:22	10/06/20 01:15	13127-88-3	
2-Fluorophenol (S)	50	%	43-96	1	09/29/20 13:22	10/06/20 01:15	367-12-4	
2,4,6-Tribromophenol (S)	58	%	41-108	1	09/29/20 13:22	10/06/20 01:15	118-79-6	

8270 MSSV DRO/ORO

Analytical Method: EPA 8270 Preparation Method: EPA 3546

Pace Analytical Services - Kansas City

TPH-ORO	757	mg/kg	84.5	5	09/30/20 14:55	10/05/20 16:10		
TPH-DRO	1920	mg/kg	84.5	5	09/30/20 14:55	10/05/20 16:10		
Surrogates								
Nitrobenzene-d5 (S)	178	%	33-132	5	09/30/20 14:55	10/05/20 16:10	4165-60-0	1e,D4
2-Fluorobiphenyl (S)	75	%	39-136	5	09/30/20 14:55	10/05/20 16:10	321-60-8	
Terphenyl-d14 (S)	86	%	29-131	5	09/30/20 14:55	10/05/20 16:10	1718-51-0	

8260 MSV 5035A VOA

Analytical Method: EPA 8260B Preparation Method: EPA 5035A/5030B

Pace Analytical Services - Kansas City

Acetone	ND	ug/kg	3620	5	09/28/20 13:22	09/29/20 04:09	67-64-1	
Benzene	ND	ug/kg	905	5	09/28/20 13:22	09/29/20 04:09	71-43-2	
Bromobenzene	ND	ug/kg	905	5	09/28/20 13:22	09/29/20 04:09	108-86-1	
Bromochloromethane	ND	ug/kg	905	5	09/28/20 13:22	09/29/20 04:09	74-97-5	
Bromodichloromethane	ND	ug/kg	905	5	09/28/20 13:22	09/29/20 04:09	75-27-4	
Bromoform	ND	ug/kg	905	5	09/28/20 13:22	09/29/20 04:09	75-25-2	
Bromomethane	ND	ug/kg	905	5	09/28/20 13:22	09/29/20 04:09	74-83-9	
2-Butanone (MEK)	ND	ug/kg	1810	5	09/28/20 13:22	09/29/20 04:09	78-93-3	
n-Butylbenzene	4170	ug/kg	905	5	09/28/20 13:22	09/29/20 04:09	104-51-8	
sec-Butylbenzene	2790	ug/kg	905	5	09/28/20 13:22	09/29/20 04:09	135-98-8	
tert-Butylbenzene	ND	ug/kg	4530	5	09/28/20 13:22	09/29/20 04:09	98-06-6	
Carbon disulfide	ND	ug/kg	905	5	09/28/20 13:22	09/29/20 04:09	75-15-0	
Carbon tetrachloride	ND	ug/kg	905	5	09/28/20 13:22	09/29/20 04:09	56-23-5	
Chlorobenzene	ND	ug/kg	905	5	09/28/20 13:22	09/29/20 04:09	108-90-7	
Chloroethane	ND	ug/kg	905	5	09/28/20 13:22	09/29/20 04:09	75-00-3	
Chloroform	ND	ug/kg	905	5	09/28/20 13:22	09/29/20 04:09	67-66-3	
Chloromethane	ND	ug/kg	905	5	09/28/20 13:22	09/29/20 04:09	74-87-3	
2-Chlorotoluene	ND	ug/kg	905	5	09/28/20 13:22	09/29/20 04:09	95-49-8	
4-Chlorotoluene	ND	ug/kg	905	5	09/28/20 13:22	09/29/20 04:09	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/kg	1810	5	09/28/20 13:22	09/29/20 04:09	96-12-8	
Dibromochloromethane	ND	ug/kg	905	5	09/28/20 13:22	09/29/20 04:09	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	905	5	09/28/20 13:22	09/29/20 04:09	106-93-4	
Dibromomethane	ND	ug/kg	905	5	09/28/20 13:22	09/29/20 04:09	74-95-3	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: PINE LAWN

Pace Project No.: 60349352

Sample: DPT-12-SO-(1-3) Lab ID: 60349352001 Collected: 09/23/20 08:41 Received: 09/24/20 04:44 Matrix: Solid

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

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035A VOA		Analytical Method: EPA 8260B Preparation Method: EPA 5035A/5030B Pace Analytical Services - Kansas City						
1,2-Dichlorobenzene	ND	ug/kg	905	5	09/28/20 13:22	09/29/20 04:09	95-50-1	SS
1,3-Dichlorobenzene	ND	ug/kg	905	5	09/28/20 13:22	09/29/20 04:09	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	905	5	09/28/20 13:22	09/29/20 04:09	106-46-7	
Dichlorodifluoromethane	ND	ug/kg	905	5	09/28/20 13:22	09/29/20 04:09	75-71-8	
1,1-Dichloroethane	ND	ug/kg	905	5	09/28/20 13:22	09/29/20 04:09	75-34-3	
1,2-Dichloroethane	ND	ug/kg	905	5	09/28/20 13:22	09/29/20 04:09	107-06-2	
1,2-Dichloroethene (Total)	ND	ug/kg	905	5	09/28/20 13:22	09/29/20 04:09	540-59-0	
1,1-Dichloroethene	ND	ug/kg	905	5	09/28/20 13:22	09/29/20 04:09	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	905	5	09/28/20 13:22	09/29/20 04:09	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	905	5	09/28/20 13:22	09/29/20 04:09	156-60-5	
1,2-Dichloropropane	ND	ug/kg	905	5	09/28/20 13:22	09/29/20 04:09	78-87-5	
1,3-Dichloropropane	ND	ug/kg	905	5	09/28/20 13:22	09/29/20 04:09	142-28-9	
2,2-Dichloropropane	ND	ug/kg	905	5	09/28/20 13:22	09/29/20 04:09	594-20-7	
1,1-Dichloropropene	ND	ug/kg	905	5	09/28/20 13:22	09/29/20 04:09	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	905	5	09/28/20 13:22	09/29/20 04:09	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	905	5	09/28/20 13:22	09/29/20 04:09	10061-02-6	
Ethylbenzene	3340	ug/kg	905	5	09/28/20 13:22	09/29/20 04:09	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/kg	905	5	09/28/20 13:22	09/29/20 04:09	87-68-3	
2-Hexanone	ND	ug/kg	3620	5	09/28/20 13:22	09/29/20 04:09	591-78-6	
Isopropylbenzene (Cumene)	2920	ug/kg	905	5	09/28/20 13:22	09/29/20 04:09	98-82-8	
p-Isopropyltoluene	ND	ug/kg	905	5	09/28/20 13:22	09/29/20 04:09	99-87-6	
Methylene Chloride	ND	ug/kg	905	5	09/28/20 13:22	09/29/20 04:09	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	1810	5	09/28/20 13:22	09/29/20 04:09	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	905	5	09/28/20 13:22	09/29/20 04:09	1634-04-4	
Naphthalene	13900	ug/kg	1810	5	09/28/20 13:22	09/29/20 04:09	91-20-3	
n-Propylbenzene	3790	ug/kg	905	5	09/28/20 13:22	09/29/20 04:09	103-65-1	
Styrene	ND	ug/kg	905	5	09/28/20 13:22	09/29/20 04:09	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	905	5	09/28/20 13:22	09/29/20 04:09	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	905	5	09/28/20 13:22	09/29/20 04:09	79-34-5	
Tetrachloroethene	ND	ug/kg	905	5	09/28/20 13:22	09/29/20 04:09	127-18-4	
Toluene	ND	ug/kg	905	5	09/28/20 13:22	09/29/20 04:09	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	905	5	09/28/20 13:22	09/29/20 04:09	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	905	5	09/28/20 13:22	09/29/20 04:09	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	905	5	09/28/20 13:22	09/29/20 04:09	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	905	5	09/28/20 13:22	09/29/20 04:09	79-00-5	
Trichloroethene	ND	ug/kg	905	5	09/28/20 13:22	09/29/20 04:09	79-01-6	
Trichlorofluoromethane	ND	ug/kg	905	5	09/28/20 13:22	09/29/20 04:09	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	905	5	09/28/20 13:22	09/29/20 04:09	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/kg	905	5	09/28/20 13:22	09/29/20 04:09	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	905	5	09/28/20 13:22	09/29/20 04:09	108-67-8	
Vinyl chloride	ND	ug/kg	905	5	09/28/20 13:22	09/29/20 04:09	75-01-4	
Xylene (Total)	ND	ug/kg	905	5	09/28/20 13:22	09/29/20 04:09	1330-20-7	
Surrogates								
Toluene-d8 (S)	109	%	80-120	5	09/28/20 13:22	09/29/20 04:09	2037-26-5	
4-Bromofluorobenzene (S)	106	%	83-119	5	09/28/20 13:22	09/29/20 04:09	460-00-4	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: PINE LAWN

Pace Project No.: 60349352

Sample: DPT-12-SO-(1-3) **Lab ID:** 60349352001 **Collected:** 09/23/20 08:41 **Received:** 09/24/20 04:44 **Matrix:** Solid

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

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035A VOA								
Analytical Method: EPA 8260B Preparation Method: EPA 5035A/5030B								
Pace Analytical Services - Kansas City								
Surrogates								
1,2-Dichloroethane-d4 (S)	94	%	78-118	5	09/28/20 13:22	09/29/20 04:09	17060-07-0	
8260 MSV GRO and Oxygenates								
Analytical Method: EPA 5035A/8260 Preparation Method: EPA 5035/5030								
Pace Analytical Services - Kansas City								
TPH-GRO	1460	mg/kg	90.5	5	09/28/20 13:48	09/29/20 17:36		
Surrogates								
Toluene-d8 (S)	109	%	80-120	5	09/28/20 13:48	09/29/20 17:36	2037-26-5	
4-Bromofluorobenzene (S)	107	%	85-115	5	09/28/20 13:48	09/29/20 17:36	460-00-4	
1,2-Dichloroethane-d4 (S)	95	%	78-118	5	09/28/20 13:48	09/29/20 17:36	17060-07-0	
Percent Moisture								
Analytical Method: ASTM D2974								
Pace Analytical Services - Kansas City								
Percent Moisture	14.5	%	0.50	1		09/25/20 11:10		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: PINE LAWN

Pace Project No.: 60349352

Sample: DPT-12-SO-(1-3)-FD **Lab ID:** 60349352002 **Collected:** 09/23/20 08:41 **Received:** 09/24/20 04:44 **Matrix:** Solid

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

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8082 GCS PCB SW								
Analytical Method: EPA 8082 Preparation Method: EPA 3546								
Pace Analytical Services - Kansas City								
PCB-1016 (Aroclor 1016)	ND	ug/kg	37.6	1	09/30/20 15:02	10/02/20 15:56	12674-11-2	
PCB-1221 (Aroclor 1221)	ND	ug/kg	37.6	1	09/30/20 15:02	10/02/20 15:56	11104-28-2	
PCB-1232 (Aroclor 1232)	ND	ug/kg	37.6	1	09/30/20 15:02	10/02/20 15:56	11141-16-5	
PCB-1242 (Aroclor 1242)	ND	ug/kg	37.6	1	09/30/20 15:02	10/02/20 15:56	53469-21-9	
PCB-1248 (Aroclor 1248)	ND	ug/kg	37.6	1	09/30/20 15:02	10/02/20 15:56	12672-29-6	
PCB-1254 (Aroclor 1254)	ND	ug/kg	37.6	1	09/30/20 15:02	10/02/20 15:56	11097-69-1	
PCB-1260 (Aroclor 1260)	ND	ug/kg	37.6	1	09/30/20 15:02	10/02/20 15:56	11096-82-5	
Surrogates								
Decachlorobiphenyl (S)	74	%	28-143	1	09/30/20 15:02	10/02/20 15:56	2051-24-3	
6010 MET ICP Red. Interference								
Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Pace Analytical Services - Kansas City								
Arsenic	7.2	mg/kg	0.74	1	10/02/20 10:03	10/05/20 20:49	7440-38-2	
Barium	151	mg/kg	0.37	1	10/02/20 10:03	10/05/20 20:49	7440-39-3	
Cadmium	0.77	mg/kg	0.37	1	10/02/20 10:03	10/05/20 20:49	7440-43-9	
Chromium	16.8	mg/kg	0.37	1	10/02/20 10:03	10/05/20 20:49	7440-47-3	
Lead	38.5	mg/kg	0.74	1	10/02/20 10:03	10/05/20 20:49	7439-92-1	
Selenium	ND	mg/kg	1.1	1	10/02/20 10:03	10/05/20 20:49	7782-49-2	
Silver	ND	mg/kg	0.52	1	10/02/20 10:03	10/05/20 20:49	7440-22-4	
7471 Mercury								
Analytical Method: EPA 7471 Preparation Method: EPA 7471								
Pace Analytical Services - Kansas City								
Mercury	ND	mg/kg	0.049	1	09/30/20 18:07	10/01/20 13:28	7439-97-6	
8270 MSSV Semivolatiles								
Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Pace Analytical Services - Kansas City								
Acenaphthene	ND	ug/kg	382	1	09/29/20 13:22	10/06/20 01:36	83-32-9	
Acenaphthylene	ND	ug/kg	382	1	09/29/20 13:22	10/06/20 01:36	208-96-8	
Anthracene	ND	ug/kg	382	1	09/29/20 13:22	10/06/20 01:36	120-12-7	
Benzo(a)anthracene	ND	ug/kg	382	1	09/29/20 13:22	10/06/20 01:36	56-55-3	
Benzo(a)pyrene	ND	ug/kg	382	1	09/29/20 13:22	10/06/20 01:36	50-32-8	
Benzo(b)fluoranthene	ND	ug/kg	382	1	09/29/20 13:22	10/06/20 01:36	205-99-2	
Benzo(g,h,i)perylene	ND	ug/kg	382	1	09/29/20 13:22	10/06/20 01:36	191-24-2	
Benzo(k)fluoranthene	ND	ug/kg	382	1	09/29/20 13:22	10/06/20 01:36	207-08-9	
Benzoic Acid	ND	ug/kg	1930	1	09/29/20 13:22	10/06/20 01:36	65-85-0	L1
Benzyl alcohol	ND	ug/kg	764	1	09/29/20 13:22	10/06/20 01:36	100-51-6	
4-Bromophenylphenyl ether	ND	ug/kg	382	1	09/29/20 13:22	10/06/20 01:36	101-55-3	
Butylbenzylphthalate	ND	ug/kg	382	1	09/29/20 13:22	10/06/20 01:36	85-68-7	
Carbazole	ND	ug/kg	382	1	09/29/20 13:22	10/06/20 01:36	86-74-8	
4-Chloro-3-methylphenol	ND	ug/kg	764	1	09/29/20 13:22	10/06/20 01:36	59-50-7	
4-Chloroaniline	ND	ug/kg	764	1	09/29/20 13:22	10/06/20 01:36	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/kg	382	1	09/29/20 13:22	10/06/20 01:36	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/kg	382	1	09/29/20 13:22	10/06/20 01:36	111-44-4	
bis(2-Chloroisopropyl) ether	ND	ug/kg	382	1	09/29/20 13:22	10/06/20 01:36	108-60-1	
2-Chloronaphthalene	ND	ug/kg	382	1	09/29/20 13:22	10/06/20 01:36	91-58-7	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: PINE LAWN

Pace Project No.: 60349352

Sample: DPT-12-SO-(1-3)-FD **Lab ID:** 60349352002 **Collected:** 09/23/20 08:41 **Received:** 09/24/20 04:44 **Matrix:** Solid

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

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Semivolatiles		Analytical Method: EPA 8270 Preparation Method: EPA 3546 Pace Analytical Services - Kansas City						
2-Chlorophenol	ND	ug/kg	382	1	09/29/20 13:22	10/06/20 01:36	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/kg	382	1	09/29/20 13:22	10/06/20 01:36	7005-72-3	
Chrysene	ND	ug/kg	382	1	09/29/20 13:22	10/06/20 01:36	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	382	1	09/29/20 13:22	10/06/20 01:36	53-70-3	
Dibenzofuran	ND	ug/kg	382	1	09/29/20 13:22	10/06/20 01:36	132-64-9	
1,2-Dichlorobenzene	ND	ug/kg	382	1	09/29/20 13:22	10/06/20 01:36	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	382	1	09/29/20 13:22	10/06/20 01:36	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	382	1	09/29/20 13:22	10/06/20 01:36	106-46-7	
3,3'-Dichlorobenzidine	ND	ug/kg	764	1	09/29/20 13:22	10/06/20 01:36	91-94-1	
2,4-Dichlorophenol	ND	ug/kg	382	1	09/29/20 13:22	10/06/20 01:36	120-83-2	
Diethylphthalate	ND	ug/kg	382	1	09/29/20 13:22	10/06/20 01:36	84-66-2	
2,4-Dimethylphenol	ND	ug/kg	382	1	09/29/20 13:22	10/06/20 01:36	105-67-9	
Dimethylphthalate	ND	ug/kg	382	1	09/29/20 13:22	10/06/20 01:36	131-11-3	
Di-n-butylphthalate	ND	ug/kg	382	1	09/29/20 13:22	10/06/20 01:36	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/kg	1930	1	09/29/20 13:22	10/06/20 01:36	534-52-1	
2,4-Dinitrophenol	ND	ug/kg	1930	1	09/29/20 13:22	10/06/20 01:36	51-28-5	
2,4-Dinitrotoluene	ND	ug/kg	382	1	09/29/20 13:22	10/06/20 01:36	121-14-2	
2,6-Dinitrotoluene	ND	ug/kg	382	1	09/29/20 13:22	10/06/20 01:36	606-20-2	
Di-n-octylphthalate	ND	ug/kg	382	1	09/29/20 13:22	10/06/20 01:36	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/kg	382	1	09/29/20 13:22	10/06/20 01:36	117-81-7	
Fluoranthene	431	ug/kg	382	1	09/29/20 13:22	10/06/20 01:36	206-44-0	
Fluorene	ND	ug/kg	382	1	09/29/20 13:22	10/06/20 01:36	86-73-7	
Hexachloro-1,3-butadiene	ND	ug/kg	382	1	09/29/20 13:22	10/06/20 01:36	87-68-3	
Hexachlorobenzene	ND	ug/kg	382	1	09/29/20 13:22	10/06/20 01:36	118-74-1	
Hexachlorocyclopentadiene	ND	ug/kg	382	1	09/29/20 13:22	10/06/20 01:36	77-47-4	
Hexachloroethane	ND	ug/kg	382	1	09/29/20 13:22	10/06/20 01:36	67-72-1	
Indeno(1,2,3-cd)pyrene	ND	ug/kg	382	1	09/29/20 13:22	10/06/20 01:36	193-39-5	
Isophorone	ND	ug/kg	382	1	09/29/20 13:22	10/06/20 01:36	78-59-1	
2-Methylnaphthalene	9260	ug/kg	3820	10	09/29/20 13:22	10/06/20 13:52	91-57-6	
2-Methylphenol(o-Cresol)	ND	ug/kg	382	1	09/29/20 13:22	10/06/20 01:36	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/kg	382	1	09/29/20 13:22	10/06/20 01:36	15831-10-4	
Naphthalene	8470	ug/kg	3820	10	09/29/20 13:22	10/06/20 13:52	91-20-3	
2-Nitroaniline	ND	ug/kg	764	1	09/29/20 13:22	10/06/20 01:36	88-74-4	
3-Nitroaniline	ND	ug/kg	764	1	09/29/20 13:22	10/06/20 01:36	99-09-2	
4-Nitroaniline	ND	ug/kg	764	1	09/29/20 13:22	10/06/20 01:36	100-01-6	
Nitrobenzene	ND	ug/kg	382	1	09/29/20 13:22	10/06/20 01:36	98-95-3	
2-Nitrophenol	ND	ug/kg	382	1	09/29/20 13:22	10/06/20 01:36	88-75-5	
4-Nitrophenol	ND	ug/kg	1930	1	09/29/20 13:22	10/06/20 01:36	100-02-7	
N-Nitroso-di-n-propylamine	ND	ug/kg	382	1	09/29/20 13:22	10/06/20 01:36	621-64-7	
N-Nitrosodiphenylamine	ND	ug/kg	382	1	09/29/20 13:22	10/06/20 01:36	86-30-6	
Pentachlorophenol	ND	ug/kg	1930	1	09/29/20 13:22	10/06/20 01:36	87-86-5	
Phenanthrene	ND	ug/kg	382	1	09/29/20 13:22	10/06/20 01:36	85-01-8	
Phenol	ND	ug/kg	382	1	09/29/20 13:22	10/06/20 01:36	108-95-2	
Pyrene	458	ug/kg	382	1	09/29/20 13:22	10/06/20 01:36	129-00-0	
Pyridine	ND	ug/kg	382	1	09/29/20 13:22	10/06/20 01:36	110-86-1	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: PINE LAWN

Pace Project No.: 60349352

Sample: DPT-12-SO-(1-3)-FD Lab ID: 60349352002 Collected: 09/23/20 08:41 Received: 09/24/20 04:44 Matrix: Solid

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

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Semivolatiles								
Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Pace Analytical Services - Kansas City								
1,2,4-Trichlorobenzene	ND	ug/kg	382	1	09/29/20 13:22	10/06/20 01:36	120-82-1	
2,4,5-Trichlorophenol	ND	ug/kg	382	1	09/29/20 13:22	10/06/20 01:36	95-95-4	
2,4,6-Trichlorophenol	ND	ug/kg	382	1	09/29/20 13:22	10/06/20 01:36	88-06-2	
Surrogates								
Nitrobenzene-d5 (S)	84	%	33-132	1	09/29/20 13:22	10/06/20 01:36	4165-60-0	
2-Fluorobiphenyl (S)	69	%	39-136	1	09/29/20 13:22	10/06/20 01:36	321-60-8	
Terphenyl-d14 (S)	74	%	29-131	1	09/29/20 13:22	10/06/20 01:36	1718-51-0	
Phenol-d6 (S)	53	%	43-95	1	09/29/20 13:22	10/06/20 01:36	13127-88-3	
2-Fluorophenol (S)	54	%	43-96	1	09/29/20 13:22	10/06/20 01:36	367-12-4	
2,4,6-Tribromophenol (S)	63	%	41-108	1	09/29/20 13:22	10/06/20 01:36	118-79-6	
8270 MSSV DRO/ORO								
Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Pace Analytical Services - Kansas City								
TPH-ORO	1550	mg/kg	85.2	5	09/30/20 14:55	10/05/20 16:29		
TPH-DRO	3560	mg/kg	85.2	5	09/30/20 14:55	10/05/20 16:29		
Surrogates								
Nitrobenzene-d5 (S)	292	%	33-132	5	09/30/20 14:55	10/05/20 16:29	4165-60-0	1e,D4
2-Fluorobiphenyl (S)	70	%	39-136	5	09/30/20 14:55	10/05/20 16:29	321-60-8	
Terphenyl-d14 (S)	81	%	29-131	5	09/30/20 14:55	10/05/20 16:29	1718-51-0	
8260 MSV 5035A VOA								
Analytical Method: EPA 8260B Preparation Method: EPA 5035A/5030B								
Pace Analytical Services - Kansas City								
Acetone	ND	ug/kg	3800	5	09/28/20 13:22	09/29/20 04:24	67-64-1	
Benzene	ND	ug/kg	950	5	09/28/20 13:22	09/29/20 04:24	71-43-2	
Bromobenzene	ND	ug/kg	950	5	09/28/20 13:22	09/29/20 04:24	108-86-1	
Bromochloromethane	ND	ug/kg	950	5	09/28/20 13:22	09/29/20 04:24	74-97-5	
Bromodichloromethane	ND	ug/kg	950	5	09/28/20 13:22	09/29/20 04:24	75-27-4	
Bromoform	ND	ug/kg	950	5	09/28/20 13:22	09/29/20 04:24	75-25-2	
Bromomethane	ND	ug/kg	950	5	09/28/20 13:22	09/29/20 04:24	74-83-9	
2-Butanone (MEK)	ND	ug/kg	1900	5	09/28/20 13:22	09/29/20 04:24	78-93-3	
n-Butylbenzene	3260	ug/kg	950	5	09/28/20 13:22	09/29/20 04:24	104-51-8	
sec-Butylbenzene	2210	ug/kg	950	5	09/28/20 13:22	09/29/20 04:24	135-98-8	
tert-Butylbenzene	ND	ug/kg	4750	5	09/28/20 13:22	09/29/20 04:24	98-06-6	
Carbon disulfide	ND	ug/kg	950	5	09/28/20 13:22	09/29/20 04:24	75-15-0	
Carbon tetrachloride	ND	ug/kg	950	5	09/28/20 13:22	09/29/20 04:24	56-23-5	
Chlorobenzene	ND	ug/kg	950	5	09/28/20 13:22	09/29/20 04:24	108-90-7	
Chloroethane	ND	ug/kg	950	5	09/28/20 13:22	09/29/20 04:24	75-00-3	
Chloroform	ND	ug/kg	950	5	09/28/20 13:22	09/29/20 04:24	67-66-3	
Chloromethane	ND	ug/kg	950	5	09/28/20 13:22	09/29/20 04:24	74-87-3	
2-Chlorotoluene	ND	ug/kg	950	5	09/28/20 13:22	09/29/20 04:24	95-49-8	
4-Chlorotoluene	ND	ug/kg	950	5	09/28/20 13:22	09/29/20 04:24	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/kg	1900	5	09/28/20 13:22	09/29/20 04:24	96-12-8	
Dibromochloromethane	ND	ug/kg	950	5	09/28/20 13:22	09/29/20 04:24	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	950	5	09/28/20 13:22	09/29/20 04:24	106-93-4	
Dibromomethane	ND	ug/kg	950	5	09/28/20 13:22	09/29/20 04:24	74-95-3	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: PINE LAWN

Pace Project No.: 60349352

Sample: DPT-12-SO-(1-3)-FD Lab ID: 60349352002 Collected: 09/23/20 08:41 Received: 09/24/20 04:44 Matrix: Solid

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

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035A VOA		Analytical Method: EPA 8260B Preparation Method: EPA 5035A/5030B Pace Analytical Services - Kansas City						
1,2-Dichlorobenzene	ND	ug/kg	950	5	09/28/20 13:22	09/29/20 04:24	95-50-1	SS
1,3-Dichlorobenzene	ND	ug/kg	950	5	09/28/20 13:22	09/29/20 04:24	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	950	5	09/28/20 13:22	09/29/20 04:24	106-46-7	
Dichlorodifluoromethane	ND	ug/kg	950	5	09/28/20 13:22	09/29/20 04:24	75-71-8	
1,1-Dichloroethane	ND	ug/kg	950	5	09/28/20 13:22	09/29/20 04:24	75-34-3	
1,2-Dichloroethane	ND	ug/kg	950	5	09/28/20 13:22	09/29/20 04:24	107-06-2	
1,2-Dichloroethene (Total)	ND	ug/kg	950	5	09/28/20 13:22	09/29/20 04:24	540-59-0	
1,1-Dichloroethene	ND	ug/kg	950	5	09/28/20 13:22	09/29/20 04:24	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	950	5	09/28/20 13:22	09/29/20 04:24	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	950	5	09/28/20 13:22	09/29/20 04:24	156-60-5	
1,2-Dichloropropane	ND	ug/kg	950	5	09/28/20 13:22	09/29/20 04:24	78-87-5	
1,3-Dichloropropane	ND	ug/kg	950	5	09/28/20 13:22	09/29/20 04:24	142-28-9	
2,2-Dichloropropane	ND	ug/kg	950	5	09/28/20 13:22	09/29/20 04:24	594-20-7	
1,1-Dichloropropene	ND	ug/kg	950	5	09/28/20 13:22	09/29/20 04:24	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	950	5	09/28/20 13:22	09/29/20 04:24	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	950	5	09/28/20 13:22	09/29/20 04:24	10061-02-6	
Ethylbenzene	2530	ug/kg	950	5	09/28/20 13:22	09/29/20 04:24	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/kg	950	5	09/28/20 13:22	09/29/20 04:24	87-68-3	
2-Hexanone	ND	ug/kg	3800	5	09/28/20 13:22	09/29/20 04:24	591-78-6	
Isopropylbenzene (Cumene)	2270	ug/kg	950	5	09/28/20 13:22	09/29/20 04:24	98-82-8	
p-Isopropyltoluene	ND	ug/kg	950	5	09/28/20 13:22	09/29/20 04:24	99-87-6	
Methylene Chloride	ND	ug/kg	950	5	09/28/20 13:22	09/29/20 04:24	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	1900	5	09/28/20 13:22	09/29/20 04:24	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	950	5	09/28/20 13:22	09/29/20 04:24	1634-04-4	
Naphthalene	11600	ug/kg	1900	5	09/28/20 13:22	09/29/20 04:24	91-20-3	
n-Propylbenzene	3070	ug/kg	950	5	09/28/20 13:22	09/29/20 04:24	103-65-1	
Styrene	ND	ug/kg	950	5	09/28/20 13:22	09/29/20 04:24	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	950	5	09/28/20 13:22	09/29/20 04:24	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	950	5	09/28/20 13:22	09/29/20 04:24	79-34-5	
Tetrachloroethene	ND	ug/kg	950	5	09/28/20 13:22	09/29/20 04:24	127-18-4	
Toluene	ND	ug/kg	950	5	09/28/20 13:22	09/29/20 04:24	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	950	5	09/28/20 13:22	09/29/20 04:24	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	950	5	09/28/20 13:22	09/29/20 04:24	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	950	5	09/28/20 13:22	09/29/20 04:24	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	950	5	09/28/20 13:22	09/29/20 04:24	79-00-5	
Trichloroethene	ND	ug/kg	950	5	09/28/20 13:22	09/29/20 04:24	79-01-6	
Trichlorofluoromethane	ND	ug/kg	950	5	09/28/20 13:22	09/29/20 04:24	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	950	5	09/28/20 13:22	09/29/20 04:24	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/kg	950	5	09/28/20 13:22	09/29/20 04:24	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	950	5	09/28/20 13:22	09/29/20 04:24	108-67-8	
Vinyl chloride	ND	ug/kg	950	5	09/28/20 13:22	09/29/20 04:24	75-01-4	
Xylene (Total)	ND	ug/kg	950	5	09/28/20 13:22	09/29/20 04:24	1330-20-7	
Surrogates								
Toluene-d8 (S)	107	%	80-120	5	09/28/20 13:22	09/29/20 04:24	2037-26-5	
4-Bromofluorobenzene (S)	106	%	83-119	5	09/28/20 13:22	09/29/20 04:24	460-00-4	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: PINE LAWN

Pace Project No.: 60349352

Sample: DPT-12-SO-(1-3)-FD **Lab ID:** 60349352002 Collected: 09/23/20 08:41 Received: 09/24/20 04:44 Matrix: Solid

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

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035A VOA								
Analytical Method: EPA 8260B Preparation Method: EPA 5035A/5030B								
Pace Analytical Services - Kansas City								
Surrogates								
1,2-Dichloroethane-d4 (S)	94	%	78-118	5	09/28/20 13:22	09/29/20 04:24	17060-07-0	
8260 MSV GRO and Oxygenates								
Analytical Method: EPA 5035A/8260 Preparation Method: EPA 5035/5030								
Pace Analytical Services - Kansas City								
TPH-GRO	937	mg/kg	95.0	5	09/28/20 13:48	09/29/20 17:52		
Surrogates								
Toluene-d8 (S)	104	%	80-120	5	09/28/20 13:48	09/29/20 17:52	2037-26-5	
4-Bromofluorobenzene (S)	103	%	85-115	5	09/28/20 13:48	09/29/20 17:52	460-00-4	
1,2-Dichloroethane-d4 (S)	95	%	78-118	5	09/28/20 13:48	09/29/20 17:52	17060-07-0	
Percent Moisture								
Analytical Method: ASTM D2974								
Pace Analytical Services - Kansas City								
Percent Moisture	15.3	%	0.50	1		09/25/20 11:10		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: PINE LAWN

Pace Project No.: 60349352

Sample: DPT-12-SO-(5-6) **Lab ID:** 60349352003 **Collected:** 09/23/20 09:11 **Received:** 09/24/20 04:44 **Matrix:** Solid

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

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8082 GCS PCB SW								
Analytical Method: EPA 8082 Preparation Method: EPA 3546								
Pace Analytical Services - Kansas City								
PCB-1016 (Aroclor 1016)	ND	ug/kg	58.9	1	09/30/20 15:02	10/02/20 16:14	12674-11-2	
PCB-1221 (Aroclor 1221)	ND	ug/kg	58.9	1	09/30/20 15:02	10/02/20 16:14	11104-28-2	
PCB-1232 (Aroclor 1232)	ND	ug/kg	58.9	1	09/30/20 15:02	10/02/20 16:14	11141-16-5	
PCB-1242 (Aroclor 1242)	ND	ug/kg	58.9	1	09/30/20 15:02	10/02/20 16:14	53469-21-9	
PCB-1248 (Aroclor 1248)	ND	ug/kg	58.9	1	09/30/20 15:02	10/02/20 16:14	12672-29-6	
PCB-1254 (Aroclor 1254)	ND	ug/kg	58.9	1	09/30/20 15:02	10/02/20 16:14	11097-69-1	
PCB-1260 (Aroclor 1260)	ND	ug/kg	58.9	1	09/30/20 15:02	10/02/20 16:14	11096-82-5	
Surrogates								
Decachlorobiphenyl (S)	94	%	28-143	1	09/30/20 15:02	10/02/20 16:14	2051-24-3	
6010 MET ICP Red. Interference								
Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Pace Analytical Services - Kansas City								
Arsenic	6.1	mg/kg	0.92	1	10/02/20 10:03	10/05/20 20:51	7440-38-2	
Barium	123	mg/kg	0.46	1	10/02/20 10:03	10/05/20 20:51	7440-39-3	
Cadmium	ND	mg/kg	0.46	1	10/02/20 10:03	10/05/20 20:51	7440-43-9	
Chromium	16.7	mg/kg	0.46	1	10/02/20 10:03	10/05/20 20:51	7440-47-3	
Lead	28.3	mg/kg	0.92	1	10/02/20 10:03	10/05/20 20:51	7439-92-1	
Selenium	ND	mg/kg	1.4	1	10/02/20 10:03	10/05/20 20:51	7782-49-2	
Silver	ND	mg/kg	0.64	1	10/02/20 10:03	10/05/20 20:51	7440-22-4	
7471 Mercury								
Analytical Method: EPA 7471 Preparation Method: EPA 7471								
Pace Analytical Services - Kansas City								
Mercury	ND	mg/kg	0.062	1	09/30/20 18:07	10/01/20 13:39	7439-97-6	
8270 MSSV Semivolatiles								
Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Pace Analytical Services - Kansas City								
Acenaphthene	ND	ug/kg	1950	1	09/29/20 13:22	10/06/20 01:58	83-32-9	
Acenaphthylene	ND	ug/kg	1950	1	09/29/20 13:22	10/06/20 01:58	208-96-8	
Anthracene	3850	ug/kg	1950	1	09/29/20 13:22	10/06/20 01:58	120-12-7	
Benzo(a)anthracene	11600	ug/kg	1950	1	09/29/20 13:22	10/06/20 01:58	56-55-3	
Benzo(a)pyrene	12700	ug/kg	1950	1	09/29/20 13:22	10/06/20 01:58	50-32-8	
Benzo(b)fluoranthene	14600	ug/kg	1950	1	09/29/20 13:22	10/06/20 01:58	205-99-2	
Benzo(g,h,i)perylene	7630	ug/kg	1950	1	09/29/20 13:22	10/06/20 01:58	191-24-2	
Benzo(k)fluoranthene	5980	ug/kg	1950	1	09/29/20 13:22	10/06/20 01:58	207-08-9	
Benzoic Acid	ND	ug/kg	9880	1	09/29/20 13:22	10/06/20 01:58	65-85-0	L1
Benzyl alcohol	ND	ug/kg	3910	1	09/29/20 13:22	10/06/20 01:58	100-51-6	
4-Bromophenylphenyl ether	ND	ug/kg	1950	1	09/29/20 13:22	10/06/20 01:58	101-55-3	
Butylbenzylphthalate	ND	ug/kg	1950	1	09/29/20 13:22	10/06/20 01:58	85-68-7	
Carbazole	ND	ug/kg	1950	1	09/29/20 13:22	10/06/20 01:58	86-74-8	
4-Chloro-3-methylphenol	ND	ug/kg	3910	1	09/29/20 13:22	10/06/20 01:58	59-50-7	
4-Chloroaniline	ND	ug/kg	3910	1	09/29/20 13:22	10/06/20 01:58	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/kg	1950	1	09/29/20 13:22	10/06/20 01:58	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/kg	1950	1	09/29/20 13:22	10/06/20 01:58	111-44-4	
bis(2-Chloroisopropyl) ether	ND	ug/kg	1950	1	09/29/20 13:22	10/06/20 01:58	108-60-1	
2-Chloronaphthalene	ND	ug/kg	1950	1	09/29/20 13:22	10/06/20 01:58	91-58-7	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: PINE LAWN

Pace Project No.: 60349352

Sample: DPT-12-SO-(5-6) **Lab ID:** 60349352003 **Collected:** 09/23/20 09:11 **Received:** 09/24/20 04:44 **Matrix:** Solid

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

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Semivolatiles		Analytical Method: EPA 8270 Preparation Method: EPA 3546 Pace Analytical Services - Kansas City						
2-Chlorophenol	ND	ug/kg	1950	1	09/29/20 13:22	10/06/20 01:58	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/kg	1950	1	09/29/20 13:22	10/06/20 01:58	7005-72-3	
Chrysene	11800	ug/kg	1950	1	09/29/20 13:22	10/06/20 01:58	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	1950	1	09/29/20 13:22	10/06/20 01:58	53-70-3	
Dibenzofuran	ND	ug/kg	1950	1	09/29/20 13:22	10/06/20 01:58	132-64-9	
1,2-Dichlorobenzene	ND	ug/kg	1950	1	09/29/20 13:22	10/06/20 01:58	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	1950	1	09/29/20 13:22	10/06/20 01:58	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	1950	1	09/29/20 13:22	10/06/20 01:58	106-46-7	
3,3'-Dichlorobenzidine	ND	ug/kg	3910	1	09/29/20 13:22	10/06/20 01:58	91-94-1	
2,4-Dichlorophenol	ND	ug/kg	1950	1	09/29/20 13:22	10/06/20 01:58	120-83-2	
Diethylphthalate	ND	ug/kg	1950	1	09/29/20 13:22	10/06/20 01:58	84-66-2	
2,4-Dimethylphenol	ND	ug/kg	1950	1	09/29/20 13:22	10/06/20 01:58	105-67-9	
Dimethylphthalate	ND	ug/kg	1950	1	09/29/20 13:22	10/06/20 01:58	131-11-3	
Di-n-butylphthalate	ND	ug/kg	1950	1	09/29/20 13:22	10/06/20 01:58	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/kg	9880	1	09/29/20 13:22	10/06/20 01:58	534-52-1	
2,4-Dinitrophenol	ND	ug/kg	9880	1	09/29/20 13:22	10/06/20 01:58	51-28-5	
2,4-Dinitrotoluene	ND	ug/kg	1950	1	09/29/20 13:22	10/06/20 01:58	121-14-2	
2,6-Dinitrotoluene	ND	ug/kg	1950	1	09/29/20 13:22	10/06/20 01:58	606-20-2	
Di-n-octylphthalate	ND	ug/kg	1950	1	09/29/20 13:22	10/06/20 01:58	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/kg	1950	1	09/29/20 13:22	10/06/20 01:58	117-81-7	
Fluoranthene	16900	ug/kg	1950	1	09/29/20 13:22	10/06/20 01:58	206-44-0	
Fluorene	ND	ug/kg	1950	1	09/29/20 13:22	10/06/20 01:58	86-73-7	
Hexachloro-1,3-butadiene	ND	ug/kg	1950	1	09/29/20 13:22	10/06/20 01:58	87-68-3	
Hexachlorobenzene	ND	ug/kg	1950	1	09/29/20 13:22	10/06/20 01:58	118-74-1	
Hexachlorocyclopentadiene	ND	ug/kg	1950	1	09/29/20 13:22	10/06/20 01:58	77-47-4	
Hexachloroethane	ND	ug/kg	1950	1	09/29/20 13:22	10/06/20 01:58	67-72-1	
Indeno(1,2,3-cd)pyrene	6700	ug/kg	1950	1	09/29/20 13:22	10/06/20 01:58	193-39-5	
Isophorone	ND	ug/kg	1950	1	09/29/20 13:22	10/06/20 01:58	78-59-1	
2-Methylnaphthalene	11600	ug/kg	1950	1	09/29/20 13:22	10/06/20 01:58	91-57-6	
2-Methylphenol(o-Cresol)	ND	ug/kg	1950	1	09/29/20 13:22	10/06/20 01:58	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/kg	1950	1	09/29/20 13:22	10/06/20 01:58	15831-10-4	
Naphthalene	7020	ug/kg	1950	1	09/29/20 13:22	10/06/20 01:58	91-20-3	
2-Nitroaniline	ND	ug/kg	3910	1	09/29/20 13:22	10/06/20 01:58	88-74-4	
3-Nitroaniline	ND	ug/kg	3910	1	09/29/20 13:22	10/06/20 01:58	99-09-2	
4-Nitroaniline	ND	ug/kg	3910	1	09/29/20 13:22	10/06/20 01:58	100-01-6	
Nitrobenzene	ND	ug/kg	1950	1	09/29/20 13:22	10/06/20 01:58	98-95-3	
2-Nitrophenol	ND	ug/kg	1950	1	09/29/20 13:22	10/06/20 01:58	88-75-5	
4-Nitrophenol	ND	ug/kg	9880	1	09/29/20 13:22	10/06/20 01:58	100-02-7	
N-Nitroso-di-n-propylamine	ND	ug/kg	1950	1	09/29/20 13:22	10/06/20 01:58	621-64-7	
N-Nitrosodiphenylamine	ND	ug/kg	1950	1	09/29/20 13:22	10/06/20 01:58	86-30-6	
Pentachlorophenol	ND	ug/kg	9880	1	09/29/20 13:22	10/06/20 01:58	87-86-5	
Phenanthrene	11400	ug/kg	1950	1	09/29/20 13:22	10/06/20 01:58	85-01-8	
Phenol	ND	ug/kg	1950	1	09/29/20 13:22	10/06/20 01:58	108-95-2	
Pyrene	16200	ug/kg	1950	1	09/29/20 13:22	10/06/20 01:58	129-00-0	
Pyridine	ND	ug/kg	1950	1	09/29/20 13:22	10/06/20 01:58	110-86-1	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: PINE LAWN

Pace Project No.: 60349352

Sample: DPT-12-SO-(5-6) **Lab ID:** 60349352003 **Collected:** 09/23/20 09:11 **Received:** 09/24/20 04:44 **Matrix:** Solid

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

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Semivolatiles								
Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Pace Analytical Services - Kansas City								
1,2,4-Trichlorobenzene	ND	ug/kg	1950	1	09/29/20 13:22	10/06/20 01:58	120-82-1	
2,4,5-Trichlorophenol	ND	ug/kg	1950	1	09/29/20 13:22	10/06/20 01:58	95-95-4	
2,4,6-Trichlorophenol	ND	ug/kg	1950	1	09/29/20 13:22	10/06/20 01:58	88-06-2	
Surrogates								
Nitrobenzene-d5 (S)	203	%	33-132	1	09/29/20 13:22	10/06/20 01:58	4165-60-0	P3,S0
2-Fluorobiphenyl (S)	76	%	39-136	1	09/29/20 13:22	10/06/20 01:58	321-60-8	
Terphenyl-d14 (S)	86	%	29-131	1	09/29/20 13:22	10/06/20 01:58	1718-51-0	
Phenol-d6 (S)	70	%	43-95	1	09/29/20 13:22	10/06/20 01:58	13127-88-3	
2-Fluorophenol (S)	69	%	43-96	1	09/29/20 13:22	10/06/20 01:58	367-12-4	
2,4,6-Tribromophenol (S)	59	%	41-108	1	09/29/20 13:22	10/06/20 01:58	118-79-6	
8270 MSSV DRO/ORO								
Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Pace Analytical Services - Kansas City								
TPH-ORO	1140	mg/kg	462	10	09/30/20 14:55	10/05/20 16:49		
TPH-DRO	2120	mg/kg	462	10	09/30/20 14:55	10/05/20 16:49		
Surrogates								
Nitrobenzene-d5 (S)	0	%	33-132	10	09/30/20 14:55	10/05/20 16:49	4165-60-0	D3,P3, S4
2-Fluorobiphenyl (S)	0	%	39-136	10	09/30/20 14:55	10/05/20 16:49	321-60-8	S4
Terphenyl-d14 (S)	0	%	29-131	10	09/30/20 14:55	10/05/20 16:49	1718-51-0	S4
8260 MSV 5035A VOA								
Analytical Method: EPA 8260B Preparation Method: EPA 5035A/5030B								
Pace Analytical Services - Kansas City								
Acetone	ND	ug/kg	3960	5	09/28/20 13:22	09/29/20 04:40	67-64-1	
Benzene	ND	ug/kg	989	5	09/28/20 13:22	09/29/20 04:40	71-43-2	
Bromobenzene	ND	ug/kg	989	5	09/28/20 13:22	09/29/20 04:40	108-86-1	
Bromochloromethane	ND	ug/kg	989	5	09/28/20 13:22	09/29/20 04:40	74-97-5	
Bromodichloromethane	ND	ug/kg	989	5	09/28/20 13:22	09/29/20 04:40	75-27-4	
Bromoform	ND	ug/kg	989	5	09/28/20 13:22	09/29/20 04:40	75-25-2	
Bromomethane	ND	ug/kg	989	5	09/28/20 13:22	09/29/20 04:40	74-83-9	
2-Butanone (MEK)	ND	ug/kg	1980	5	09/28/20 13:22	09/29/20 04:40	78-93-3	
n-Butylbenzene	4100	ug/kg	989	5	09/28/20 13:22	09/29/20 04:40	104-51-8	
sec-Butylbenzene	2940	ug/kg	989	5	09/28/20 13:22	09/29/20 04:40	135-98-8	
tert-Butylbenzene	ND	ug/kg	4940	5	09/28/20 13:22	09/29/20 04:40	98-06-6	
Carbon disulfide	ND	ug/kg	989	5	09/28/20 13:22	09/29/20 04:40	75-15-0	
Carbon tetrachloride	ND	ug/kg	989	5	09/28/20 13:22	09/29/20 04:40	56-23-5	
Chlorobenzene	ND	ug/kg	989	5	09/28/20 13:22	09/29/20 04:40	108-90-7	
Chloroethane	ND	ug/kg	989	5	09/28/20 13:22	09/29/20 04:40	75-00-3	
Chloroform	ND	ug/kg	989	5	09/28/20 13:22	09/29/20 04:40	67-66-3	
Chloromethane	ND	ug/kg	989	5	09/28/20 13:22	09/29/20 04:40	74-87-3	
2-Chlorotoluene	ND	ug/kg	989	5	09/28/20 13:22	09/29/20 04:40	95-49-8	
4-Chlorotoluene	ND	ug/kg	989	5	09/28/20 13:22	09/29/20 04:40	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/kg	1980	5	09/28/20 13:22	09/29/20 04:40	96-12-8	
Dibromochloromethane	ND	ug/kg	989	5	09/28/20 13:22	09/29/20 04:40	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	989	5	09/28/20 13:22	09/29/20 04:40	106-93-4	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: PINE LAWN

Pace Project No.: 60349352

Sample: DPT-12-SO-(5-6) Lab ID: 60349352003 Collected: 09/23/20 09:11 Received: 09/24/20 04:44 Matrix: Solid

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

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035A VOA		Analytical Method: EPA 8260B Preparation Method: EPA 5035A/5030B Pace Analytical Services - Kansas City						
Dibromomethane	ND	ug/kg	989	5	09/28/20 13:22	09/29/20 04:40	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	989	5	09/28/20 13:22	09/29/20 04:40	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	989	5	09/28/20 13:22	09/29/20 04:40	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	989	5	09/28/20 13:22	09/29/20 04:40	106-46-7	
Dichlorodifluoromethane	ND	ug/kg	989	5	09/28/20 13:22	09/29/20 04:40	75-71-8	SS
1,1-Dichloroethane	ND	ug/kg	989	5	09/28/20 13:22	09/29/20 04:40	75-34-3	
1,2-Dichloroethane	ND	ug/kg	989	5	09/28/20 13:22	09/29/20 04:40	107-06-2	
1,2-Dichloroethene (Total)	ND	ug/kg	989	5	09/28/20 13:22	09/29/20 04:40	540-59-0	
1,1-Dichloroethene	ND	ug/kg	989	5	09/28/20 13:22	09/29/20 04:40	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	989	5	09/28/20 13:22	09/29/20 04:40	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	989	5	09/28/20 13:22	09/29/20 04:40	156-60-5	
1,2-Dichloropropane	ND	ug/kg	989	5	09/28/20 13:22	09/29/20 04:40	78-87-5	
1,3-Dichloropropane	ND	ug/kg	989	5	09/28/20 13:22	09/29/20 04:40	142-28-9	
2,2-Dichloropropane	ND	ug/kg	989	5	09/28/20 13:22	09/29/20 04:40	594-20-7	
1,1-Dichloropropene	ND	ug/kg	989	5	09/28/20 13:22	09/29/20 04:40	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	989	5	09/28/20 13:22	09/29/20 04:40	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	989	5	09/28/20 13:22	09/29/20 04:40	10061-02-6	
Ethylbenzene	ND	ug/kg	989	5	09/28/20 13:22	09/29/20 04:40	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/kg	989	5	09/28/20 13:22	09/29/20 04:40	87-68-3	
2-Hexanone	ND	ug/kg	3960	5	09/28/20 13:22	09/29/20 04:40	591-78-6	
Isopropylbenzene (Cumene)	4770	ug/kg	989	5	09/28/20 13:22	09/29/20 04:40	98-82-8	
p-Isopropyltoluene	ND	ug/kg	989	5	09/28/20 13:22	09/29/20 04:40	99-87-6	
Methylene Chloride	ND	ug/kg	989	5	09/28/20 13:22	09/29/20 04:40	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	1980	5	09/28/20 13:22	09/29/20 04:40	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	989	5	09/28/20 13:22	09/29/20 04:40	1634-04-4	
Naphthalene	5860	ug/kg	1980	5	09/28/20 13:22	09/29/20 04:40	91-20-3	
n-Propylbenzene	6550	ug/kg	989	5	09/28/20 13:22	09/29/20 04:40	103-65-1	
Styrene	ND	ug/kg	989	5	09/28/20 13:22	09/29/20 04:40	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	989	5	09/28/20 13:22	09/29/20 04:40	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	989	5	09/28/20 13:22	09/29/20 04:40	79-34-5	
Tetrachloroethene	ND	ug/kg	989	5	09/28/20 13:22	09/29/20 04:40	127-18-4	
Toluene	ND	ug/kg	989	5	09/28/20 13:22	09/29/20 04:40	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	989	5	09/28/20 13:22	09/29/20 04:40	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	989	5	09/28/20 13:22	09/29/20 04:40	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	989	5	09/28/20 13:22	09/29/20 04:40	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	989	5	09/28/20 13:22	09/29/20 04:40	79-00-5	
Trichloroethene	ND	ug/kg	989	5	09/28/20 13:22	09/29/20 04:40	79-01-6	
Trichlorofluoromethane	ND	ug/kg	989	5	09/28/20 13:22	09/29/20 04:40	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	989	5	09/28/20 13:22	09/29/20 04:40	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/kg	989	5	09/28/20 13:22	09/29/20 04:40	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	989	5	09/28/20 13:22	09/29/20 04:40	108-67-8	
Vinyl chloride	ND	ug/kg	989	5	09/28/20 13:22	09/29/20 04:40	75-01-4	
Xylene (Total)	ND	ug/kg	989	5	09/28/20 13:22	09/29/20 04:40	1330-20-7	
Surrogates								
Toluene-d8 (S)	101	%	80-120	5	09/28/20 13:22	09/29/20 04:40	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: PINE LAWN

Pace Project No.: 60349352

Sample: DPT-12-SO-(5-6) **Lab ID:** 60349352003 Collected: 09/23/20 09:11 Received: 09/24/20 04:44 Matrix: Solid

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

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035A VOA								
Analytical Method: EPA 8260B Preparation Method: EPA 5035A/5030B								
Pace Analytical Services - Kansas City								
Surrogates								
4-Bromofluorobenzene (S)	106	%	83-119	5	09/28/20 13:22	09/29/20 04:40	460-00-4	
1,2-Dichloroethane-d4 (S)	95	%	78-118	5	09/28/20 13:22	09/29/20 04:40	17060-07-0	
8260 MSV GRO and Oxygenates								
Analytical Method: EPA 5035A/8260 Preparation Method: EPA 5035/5030								
Pace Analytical Services - Kansas City								
TPH-GRO	1460	mg/kg	98.9	5	09/28/20 13:48	09/29/20 18:07		
Surrogates								
Toluene-d8 (S)	100	%	80-120	5	09/28/20 13:48	09/29/20 18:07	2037-26-5	
4-Bromofluorobenzene (S)	108	%	85-115	5	09/28/20 13:48	09/29/20 18:07	460-00-4	
1,2-Dichloroethane-d4 (S)	93	%	78-118	5	09/28/20 13:48	09/29/20 18:07	17060-07-0	
Percent Moisture								
Analytical Method: ASTM D2974								
Pace Analytical Services - Kansas City								
Percent Moisture	18.9	%	0.50	1		09/25/20 11:10		

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ANALYTICAL RESULTS

Project: PINE LAWN

Pace Project No.: 60349352

Sample: DPT-12-SO-(27-28) **Lab ID:** 60349352004 **Collected:** 09/23/20 09:37 **Received:** 09/24/20 04:44 **Matrix:** Solid

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

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8082 GCS PCB SW								
Analytical Method: EPA 8082 Preparation Method: EPA 3546								
Pace Analytical Services - Kansas City								
PCB-1016 (Aroclor 1016)	ND	ug/kg	39.0	1	09/30/20 15:02	10/02/20 16:32	12674-11-2	
PCB-1221 (Aroclor 1221)	ND	ug/kg	39.0	1	09/30/20 15:02	10/02/20 16:32	11104-28-2	
PCB-1232 (Aroclor 1232)	ND	ug/kg	39.0	1	09/30/20 15:02	10/02/20 16:32	11141-16-5	
PCB-1242 (Aroclor 1242)	ND	ug/kg	39.0	1	09/30/20 15:02	10/02/20 16:32	53469-21-9	
PCB-1248 (Aroclor 1248)	ND	ug/kg	39.0	1	09/30/20 15:02	10/02/20 16:32	12672-29-6	
PCB-1254 (Aroclor 1254)	ND	ug/kg	39.0	1	09/30/20 15:02	10/02/20 16:32	11097-69-1	
PCB-1260 (Aroclor 1260)	ND	ug/kg	39.0	1	09/30/20 15:02	10/02/20 16:32	11096-82-5	
Surrogates								
Decachlorobiphenyl (S)	86	%	28-143	1	09/30/20 15:02	10/02/20 16:32	2051-24-3	
6010 MET ICP Red. Interference								
Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Pace Analytical Services - Kansas City								
Arsenic	4.2	mg/kg	0.80	1	10/02/20 10:03	10/06/20 10:41	7440-38-2	
Barium	39.4	mg/kg	0.40	1	10/02/20 10:03	10/06/20 10:41	7440-39-3	
Cadmium	ND	mg/kg	0.40	1	10/02/20 10:03	10/06/20 10:41	7440-43-9	
Chromium	31.1	mg/kg	0.40	1	10/02/20 10:03	10/06/20 10:41	7440-47-3	
Lead	11.6	mg/kg	0.80	1	10/02/20 10:03	10/06/20 10:41	7439-92-1	
Selenium	ND	mg/kg	1.2	1	10/02/20 10:03	10/06/20 10:41	7782-49-2	
Silver	0.57	mg/kg	0.56	1	10/02/20 10:03	10/06/20 10:41	7440-22-4	
7471 Mercury								
Analytical Method: EPA 7471 Preparation Method: EPA 7471								
Pace Analytical Services - Kansas City								
Mercury	ND	mg/kg	0.051	1	09/30/20 18:07	10/01/20 13:46	7439-97-6	
8270 MSSV Semivolatiles								
Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Pace Analytical Services - Kansas City								
Acenaphthene	ND	ug/kg	393	1	09/29/20 13:22	10/06/20 14:13	83-32-9	
Acenaphthylene	ND	ug/kg	393	1	09/29/20 13:22	10/06/20 14:13	208-96-8	
Anthracene	ND	ug/kg	393	1	09/29/20 13:22	10/06/20 14:13	120-12-7	
Benzo(a)anthracene	ND	ug/kg	393	1	09/29/20 13:22	10/06/20 14:13	56-55-3	
Benzo(a)pyrene	ND	ug/kg	393	1	09/29/20 13:22	10/06/20 14:13	50-32-8	
Benzo(b)fluoranthene	ND	ug/kg	393	1	09/29/20 13:22	10/06/20 14:13	205-99-2	
Benzo(g,h,i)perylene	ND	ug/kg	393	1	09/29/20 13:22	10/06/20 14:13	191-24-2	
Benzo(k)fluoranthene	ND	ug/kg	393	1	09/29/20 13:22	10/06/20 14:13	207-08-9	
Benzoic Acid	ND	ug/kg	1990	1	09/29/20 13:22	10/06/20 14:13	65-85-0	L1
Benzyl alcohol	ND	ug/kg	786	1	09/29/20 13:22	10/06/20 14:13	100-51-6	
4-Bromophenylphenyl ether	ND	ug/kg	393	1	09/29/20 13:22	10/06/20 14:13	101-55-3	
Butylbenzylphthalate	ND	ug/kg	393	1	09/29/20 13:22	10/06/20 14:13	85-68-7	
Carbazole	ND	ug/kg	393	1	09/29/20 13:22	10/06/20 14:13	86-74-8	
4-Chloro-3-methylphenol	ND	ug/kg	786	1	09/29/20 13:22	10/06/20 14:13	59-50-7	
4-Chloroaniline	ND	ug/kg	786	1	09/29/20 13:22	10/06/20 14:13	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/kg	393	1	09/29/20 13:22	10/06/20 14:13	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/kg	393	1	09/29/20 13:22	10/06/20 14:13	111-44-4	
bis(2-Chloroisopropyl) ether	ND	ug/kg	393	1	09/29/20 13:22	10/06/20 14:13	108-60-1	
2-Chloronaphthalene	ND	ug/kg	393	1	09/29/20 13:22	10/06/20 14:13	91-58-7	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: PINE LAWN

Pace Project No.: 60349352

Sample: DPT-12-SO-(27-28) **Lab ID:** 60349352004 **Collected:** 09/23/20 09:37 **Received:** 09/24/20 04:44 **Matrix:** Solid

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

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Semivolatiles		Analytical Method: EPA 8270 Preparation Method: EPA 3546 Pace Analytical Services - Kansas City						
2-Chlorophenol	ND	ug/kg	393	1	09/29/20 13:22	10/06/20 14:13	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/kg	393	1	09/29/20 13:22	10/06/20 14:13	7005-72-3	
Chrysene	ND	ug/kg	393	1	09/29/20 13:22	10/06/20 14:13	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	393	1	09/29/20 13:22	10/06/20 14:13	53-70-3	
Dibenzofuran	ND	ug/kg	393	1	09/29/20 13:22	10/06/20 14:13	132-64-9	
1,2-Dichlorobenzene	ND	ug/kg	393	1	09/29/20 13:22	10/06/20 14:13	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	393	1	09/29/20 13:22	10/06/20 14:13	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	393	1	09/29/20 13:22	10/06/20 14:13	106-46-7	
3,3'-Dichlorobenzidine	ND	ug/kg	786	1	09/29/20 13:22	10/06/20 14:13	91-94-1	
2,4-Dichlorophenol	ND	ug/kg	393	1	09/29/20 13:22	10/06/20 14:13	120-83-2	
Diethylphthalate	ND	ug/kg	393	1	09/29/20 13:22	10/06/20 14:13	84-66-2	
2,4-Dimethylphenol	ND	ug/kg	393	1	09/29/20 13:22	10/06/20 14:13	105-67-9	
Dimethylphthalate	ND	ug/kg	393	1	09/29/20 13:22	10/06/20 14:13	131-11-3	
Di-n-butylphthalate	ND	ug/kg	393	1	09/29/20 13:22	10/06/20 14:13	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/kg	1990	1	09/29/20 13:22	10/06/20 14:13	534-52-1	
2,4-Dinitrophenol	ND	ug/kg	1990	1	09/29/20 13:22	10/06/20 14:13	51-28-5	
2,4-Dinitrotoluene	ND	ug/kg	393	1	09/29/20 13:22	10/06/20 14:13	121-14-2	
2,6-Dinitrotoluene	ND	ug/kg	393	1	09/29/20 13:22	10/06/20 14:13	606-20-2	
Di-n-octylphthalate	ND	ug/kg	393	1	09/29/20 13:22	10/06/20 14:13	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/kg	393	1	09/29/20 13:22	10/06/20 14:13	117-81-7	
Fluoranthene	ND	ug/kg	393	1	09/29/20 13:22	10/06/20 14:13	206-44-0	
Fluorene	ND	ug/kg	393	1	09/29/20 13:22	10/06/20 14:13	86-73-7	
Hexachloro-1,3-butadiene	ND	ug/kg	393	1	09/29/20 13:22	10/06/20 14:13	87-68-3	
Hexachlorobenzene	ND	ug/kg	393	1	09/29/20 13:22	10/06/20 14:13	118-74-1	
Hexachlorocyclopentadiene	ND	ug/kg	393	1	09/29/20 13:22	10/06/20 14:13	77-47-4	
Hexachloroethane	ND	ug/kg	393	1	09/29/20 13:22	10/06/20 14:13	67-72-1	
Indeno(1,2,3-cd)pyrene	ND	ug/kg	393	1	09/29/20 13:22	10/06/20 14:13	193-39-5	
Isophorone	ND	ug/kg	393	1	09/29/20 13:22	10/06/20 14:13	78-59-1	
2-Methylnaphthalene	ND	ug/kg	393	1	09/29/20 13:22	10/06/20 14:13	91-57-6	
2-Methylphenol(o-Cresol)	ND	ug/kg	393	1	09/29/20 13:22	10/06/20 14:13	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/kg	393	1	09/29/20 13:22	10/06/20 14:13	15831-10-4	
Naphthalene	ND	ug/kg	393	1	09/29/20 13:22	10/06/20 14:13	91-20-3	
2-Nitroaniline	ND	ug/kg	786	1	09/29/20 13:22	10/06/20 14:13	88-74-4	
3-Nitroaniline	ND	ug/kg	786	1	09/29/20 13:22	10/06/20 14:13	99-09-2	
4-Nitroaniline	ND	ug/kg	786	1	09/29/20 13:22	10/06/20 14:13	100-01-6	
Nitrobenzene	ND	ug/kg	393	1	09/29/20 13:22	10/06/20 14:13	98-95-3	
2-Nitrophenol	ND	ug/kg	393	1	09/29/20 13:22	10/06/20 14:13	88-75-5	
4-Nitrophenol	ND	ug/kg	1990	1	09/29/20 13:22	10/06/20 14:13	100-02-7	
N-Nitroso-di-n-propylamine	ND	ug/kg	393	1	09/29/20 13:22	10/06/20 14:13	621-64-7	
N-Nitrosodiphenylamine	ND	ug/kg	393	1	09/29/20 13:22	10/06/20 14:13	86-30-6	
Pentachlorophenol	ND	ug/kg	1990	1	09/29/20 13:22	10/06/20 14:13	87-86-5	
Phenanthrene	ND	ug/kg	393	1	09/29/20 13:22	10/06/20 14:13	85-01-8	
Phenol	ND	ug/kg	393	1	09/29/20 13:22	10/06/20 14:13	108-95-2	
Pyrene	ND	ug/kg	393	1	09/29/20 13:22	10/06/20 14:13	129-00-0	
Pyridine	ND	ug/kg	393	1	09/29/20 13:22	10/06/20 14:13	110-86-1	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: PINE LAWN

Pace Project No.: 60349352

Sample: DPT-12-SO-(27-28) Lab ID: 60349352004 Collected: 09/23/20 09:37 Received: 09/24/20 04:44 Matrix: Solid

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

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Semivolatiles								
Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Pace Analytical Services - Kansas City								
1,2,4-Trichlorobenzene	ND	ug/kg	393	1	09/29/20 13:22	10/06/20 14:13	120-82-1	
2,4,5-Trichlorophenol	ND	ug/kg	393	1	09/29/20 13:22	10/06/20 14:13	95-95-4	
2,4,6-Trichlorophenol	ND	ug/kg	393	1	09/29/20 13:22	10/06/20 14:13	88-06-2	
Surrogates								
Nitrobenzene-d5 (S)	55	%	33-132	1	09/29/20 13:22	10/06/20 14:13	4165-60-0	
2-Fluorobiphenyl (S)	65	%	39-136	1	09/29/20 13:22	10/06/20 14:13	321-60-8	
Terphenyl-d14 (S)	66	%	29-131	1	09/29/20 13:22	10/06/20 14:13	1718-51-0	
Phenol-d6 (S)	59	%	43-95	1	09/29/20 13:22	10/06/20 14:13	13127-88-3	
2-Fluorophenol (S)	59	%	43-96	1	09/29/20 13:22	10/06/20 14:13	367-12-4	
2,4,6-Tribromophenol (S)	56	%	41-108	1	09/29/20 13:22	10/06/20 14:13	118-79-6	
8270 MSSV DRO/ORO								
Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Pace Analytical Services - Kansas City								
TPH-ORO	ND	mg/kg	17.5	1	09/30/20 14:55	10/05/20 17:09		
TPH-DRO	ND	mg/kg	17.5	1	09/30/20 14:55	10/05/20 17:09		
Surrogates								
Nitrobenzene-d5 (S)	85	%	33-132	1	09/30/20 14:55	10/05/20 17:09	4165-60-0	
2-Fluorobiphenyl (S)	88	%	39-136	1	09/30/20 14:55	10/05/20 17:09	321-60-8	
Terphenyl-d14 (S)	89	%	29-131	1	09/30/20 14:55	10/05/20 17:09	1718-51-0	
8260 MSV 5035A VOA								
Analytical Method: EPA 8260B Preparation Method: EPA 5035A/5030								
Pace Analytical Services - Kansas City								
Acetone	ND	ug/kg	13.6	1	09/28/20 13:13	09/28/20 21:43	67-64-1	
Benzene	ND	ug/kg	3.4	1	09/28/20 13:13	09/28/20 21:43	71-43-2	
Bromobenzene	ND	ug/kg	3.4	1	09/28/20 13:13	09/28/20 21:43	108-86-1	
Bromochloromethane	ND	ug/kg	3.4	1	09/28/20 13:13	09/28/20 21:43	74-97-5	
Bromodichloromethane	ND	ug/kg	3.4	1	09/28/20 13:13	09/28/20 21:43	75-27-4	
Bromoform	ND	ug/kg	3.4	1	09/28/20 13:13	09/28/20 21:43	75-25-2	
Bromomethane	ND	ug/kg	3.4	1	09/28/20 13:13	09/28/20 21:43	74-83-9	
2-Butanone (MEK)	ND	ug/kg	6.8	1	09/28/20 13:13	09/28/20 21:43	78-93-3	
n-Butylbenzene	ND	ug/kg	3.4	1	09/28/20 13:13	09/28/20 21:43	104-51-8	
sec-Butylbenzene	ND	ug/kg	3.4	1	09/28/20 13:13	09/28/20 21:43	135-98-8	
tert-Butylbenzene	ND	ug/kg	17.0	1	09/28/20 13:13	09/28/20 21:43	98-06-6	
Carbon disulfide	ND	ug/kg	3.4	1	09/28/20 13:13	09/28/20 21:43	75-15-0	
Carbon tetrachloride	ND	ug/kg	3.4	1	09/28/20 13:13	09/28/20 21:43	56-23-5	
Chlorobenzene	ND	ug/kg	3.4	1	09/28/20 13:13	09/28/20 21:43	108-90-7	
Chloroethane	ND	ug/kg	3.4	1	09/28/20 13:13	09/28/20 21:43	75-00-3	
Chloroform	ND	ug/kg	3.4	1	09/28/20 13:13	09/28/20 21:43	67-66-3	
Chloromethane	ND	ug/kg	3.4	1	09/28/20 13:13	09/28/20 21:43	74-87-3	
2-Chlorotoluene	ND	ug/kg	3.4	1	09/28/20 13:13	09/28/20 21:43	95-49-8	
4-Chlorotoluene	ND	ug/kg	3.4	1	09/28/20 13:13	09/28/20 21:43	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/kg	6.8	1	09/28/20 13:13	09/28/20 21:43	96-12-8	
Dibromochloromethane	ND	ug/kg	3.4	1	09/28/20 13:13	09/28/20 21:43	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	3.4	1	09/28/20 13:13	09/28/20 21:43	106-93-4	
Dibromomethane	ND	ug/kg	3.4	1	09/28/20 13:13	09/28/20 21:43	74-95-3	

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ANALYTICAL RESULTS

Project: PINE LAWN

Pace Project No.: 60349352

Sample: DPT-12-SO-(27-28) **Lab ID:** 60349352004 **Collected:** 09/23/20 09:37 **Received:** 09/24/20 04:44 **Matrix:** Solid

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

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035A VOA								
Analytical Method: EPA 8260B Preparation Method: EPA 5035A/5030								
Pace Analytical Services - Kansas City								
1,2-Dichlorobenzene	ND	ug/kg	3.4	1	09/28/20 13:13	09/28/20 21:43	95-50-1	SS
1,3-Dichlorobenzene	ND	ug/kg	3.4	1	09/28/20 13:13	09/28/20 21:43	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	3.4	1	09/28/20 13:13	09/28/20 21:43	106-46-7	
Dichlorodifluoromethane	ND	ug/kg	3.4	1	09/28/20 13:13	09/28/20 21:43	75-71-8	
1,1-Dichloroethane	ND	ug/kg	3.4	1	09/28/20 13:13	09/28/20 21:43	75-34-3	
1,2-Dichloroethane	ND	ug/kg	3.4	1	09/28/20 13:13	09/28/20 21:43	107-06-2	
1,2-Dichloroethene (Total)	ND	ug/kg	3.4	1	09/28/20 13:13	09/28/20 21:43	540-59-0	
1,1-Dichloroethene	ND	ug/kg	3.4	1	09/28/20 13:13	09/28/20 21:43	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	3.4	1	09/28/20 13:13	09/28/20 21:43	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	3.4	1	09/28/20 13:13	09/28/20 21:43	156-60-5	
1,2-Dichloropropane	ND	ug/kg	3.4	1	09/28/20 13:13	09/28/20 21:43	78-87-5	
1,3-Dichloropropane	ND	ug/kg	3.4	1	09/28/20 13:13	09/28/20 21:43	142-28-9	
2,2-Dichloropropane	ND	ug/kg	3.4	1	09/28/20 13:13	09/28/20 21:43	594-20-7	
1,1-Dichloropropene	ND	ug/kg	3.4	1	09/28/20 13:13	09/28/20 21:43	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	3.4	1	09/28/20 13:13	09/28/20 21:43	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	3.4	1	09/28/20 13:13	09/28/20 21:43	10061-02-6	
Ethylbenzene	ND	ug/kg	3.4	1	09/28/20 13:13	09/28/20 21:43	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/kg	3.4	1	09/28/20 13:13	09/28/20 21:43	87-68-3	
2-Hexanone	ND	ug/kg	13.6	1	09/28/20 13:13	09/28/20 21:43	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/kg	3.4	1	09/28/20 13:13	09/28/20 21:43	98-82-8	
p-Isopropyltoluene	ND	ug/kg	3.4	1	09/28/20 13:13	09/28/20 21:43	99-87-6	
Methylene Chloride	ND	ug/kg	3.4	1	09/28/20 13:13	09/28/20 21:43	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	6.8	1	09/28/20 13:13	09/28/20 21:43	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	3.4	1	09/28/20 13:13	09/28/20 21:43	1634-04-4	
Naphthalene	ND	ug/kg	6.8	1	09/28/20 13:13	09/28/20 21:43	91-20-3	
n-Propylbenzene	ND	ug/kg	3.4	1	09/28/20 13:13	09/28/20 21:43	103-65-1	
Styrene	ND	ug/kg	3.4	1	09/28/20 13:13	09/28/20 21:43	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	3.4	1	09/28/20 13:13	09/28/20 21:43	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	3.4	1	09/28/20 13:13	09/28/20 21:43	79-34-5	
Tetrachloroethene	ND	ug/kg	3.4	1	09/28/20 13:13	09/28/20 21:43	127-18-4	
Toluene	ND	ug/kg	3.4	1	09/28/20 13:13	09/28/20 21:43	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	3.4	1	09/28/20 13:13	09/28/20 21:43	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	3.4	1	09/28/20 13:13	09/28/20 21:43	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	3.4	1	09/28/20 13:13	09/28/20 21:43	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	3.4	1	09/28/20 13:13	09/28/20 21:43	79-00-5	
Trichloroethene	ND	ug/kg	3.4	1	09/28/20 13:13	09/28/20 21:43	79-01-6	
Trichlorofluoromethane	ND	ug/kg	3.4	1	09/28/20 13:13	09/28/20 21:43	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	3.4	1	09/28/20 13:13	09/28/20 21:43	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/kg	3.4	1	09/28/20 13:13	09/28/20 21:43	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	3.4	1	09/28/20 13:13	09/28/20 21:43	108-67-8	
Vinyl chloride	ND	ug/kg	3.4	1	09/28/20 13:13	09/28/20 21:43	75-01-4	
Xylene (Total)	ND	ug/kg	3.4	1	09/28/20 13:13	09/28/20 21:43	1330-20-7	
Surrogates								
Toluene-d8 (S)	100	%	80-120	1	09/28/20 13:13	09/28/20 21:43	2037-26-5	
4-Bromofluorobenzene (S)	96	%	85-115	1	09/28/20 13:13	09/28/20 21:43	460-00-4	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: PINE LAWN

Pace Project No.: 60349352

Sample: DPT-12-SO-(27-28) **Lab ID:** 60349352004 Collected: 09/23/20 09:37 Received: 09/24/20 04:44 Matrix: Solid

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

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035A VOA								
Analytical Method: EPA 8260B Preparation Method: EPA 5035A/5030								
Pace Analytical Services - Kansas City								
Surrogates								
1,2-Dichloroethane-d4 (S)	109	%	78-118	1	09/28/20 13:13	09/28/20 21:43	17060-07-0	
8260 MSV GRO and Oxygenates								
Analytical Method: EPA 8260 Preparation Method: EPA 5035								
Pace Analytical Services - Kansas City								
TPH-GRO	ND	mg/kg	0.49	1	09/29/20 09:02	09/29/20 10:56		
Surrogates								
Toluene-d8 (S)	100	%	78-122	1	09/29/20 09:02	09/29/20 10:56	2037-26-5	
4-Bromofluorobenzene (S)	96	%	69-133	1	09/29/20 09:02	09/29/20 10:56	460-00-4	
1,2-Dichloroethane-d4 (S)	109	%	80-123	1	09/29/20 09:02	09/29/20 10:56	17060-07-0	
Percent Moisture								
Analytical Method: ASTM D2974								
Pace Analytical Services - Kansas City								
Percent Moisture	16.0	%	0.50	1		09/25/20 11:10		

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ANALYTICAL RESULTS

Project: PINE LAWN

Pace Project No.: 60349352

Sample: DPT-13-SO-(29-30) **Lab ID:** 60349352005 **Collected:** 09/23/20 10:11 **Received:** 09/24/20 04:44 **Matrix:** Solid

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

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8082 GCS PCB SW								
Analytical Method: EPA 8082 Preparation Method: EPA 3546								
Pace Analytical Services - Kansas City								
PCB-1016 (Aroclor 1016)	ND	ug/kg	34.4	1	09/30/20 15:02	10/02/20 16:49	12674-11-2	
PCB-1221 (Aroclor 1221)	ND	ug/kg	34.4	1	09/30/20 15:02	10/02/20 16:49	11104-28-2	
PCB-1232 (Aroclor 1232)	ND	ug/kg	34.4	1	09/30/20 15:02	10/02/20 16:49	11141-16-5	
PCB-1242 (Aroclor 1242)	ND	ug/kg	34.4	1	09/30/20 15:02	10/02/20 16:49	53469-21-9	
PCB-1248 (Aroclor 1248)	ND	ug/kg	34.4	1	09/30/20 15:02	10/02/20 16:49	12672-29-6	
PCB-1254 (Aroclor 1254)	ND	ug/kg	34.4	1	09/30/20 15:02	10/02/20 16:49	11097-69-1	
PCB-1260 (Aroclor 1260)	ND	ug/kg	34.4	1	09/30/20 15:02	10/02/20 16:49	11096-82-5	
Surrogates								
Decachlorobiphenyl (S)	84	%	28-143	1	09/30/20 15:02	10/02/20 16:49	2051-24-3	
6010 MET ICP Red. Interference								
Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Pace Analytical Services - Kansas City								
Arsenic	2.7	mg/kg	1.7	2	10/02/20 10:03	10/06/20 10:43	7440-38-2	
Barium	48.6	mg/kg	0.85	2	10/02/20 10:03	10/06/20 10:43	7440-39-3	
Cadmium	ND	mg/kg	0.85	2	10/02/20 10:03	10/06/20 10:43	7440-43-9	D3
Chromium	23.4	mg/kg	0.85	2	10/02/20 10:03	10/06/20 10:43	7440-47-3	
Lead	8.7	mg/kg	1.7	2	10/02/20 10:03	10/06/20 10:43	7439-92-1	
Selenium	ND	mg/kg	2.5	2	10/02/20 10:03	10/06/20 10:43	7782-49-2	D3
Silver	ND	mg/kg	1.2	2	10/02/20 10:03	10/06/20 10:43	7440-22-4	D3
7471 Mercury								
Analytical Method: EPA 7471 Preparation Method: EPA 7471								
Pace Analytical Services - Kansas City								
Mercury	ND	mg/kg	0.054	1	09/30/20 18:07	10/01/20 13:48	7439-97-6	
8270 MSSV Semivolatiles								
Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Pace Analytical Services - Kansas City								
Acenaphthene	ND	ug/kg	355	1	09/30/20 12:08	10/06/20 12:04	83-32-9	
Acenaphthylene	ND	ug/kg	355	1	09/30/20 12:08	10/06/20 12:04	208-96-8	
Anthracene	ND	ug/kg	355	1	09/30/20 12:08	10/06/20 12:04	120-12-7	
Benzo(a)anthracene	ND	ug/kg	355	1	09/30/20 12:08	10/06/20 12:04	56-55-3	
Benzo(a)pyrene	ND	ug/kg	355	1	09/30/20 12:08	10/06/20 12:04	50-32-8	
Benzo(b)fluoranthene	ND	ug/kg	355	1	09/30/20 12:08	10/06/20 12:04	205-99-2	
Benzo(g,h,i)perylene	ND	ug/kg	355	1	09/30/20 12:08	10/06/20 12:04	191-24-2	
Benzo(k)fluoranthene	ND	ug/kg	355	1	09/30/20 12:08	10/06/20 12:04	207-08-9	
Benzoic Acid	ND	ug/kg	1800	1	09/30/20 12:08	10/06/20 12:04	65-85-0	
Benzyl alcohol	ND	ug/kg	711	1	09/30/20 12:08	10/06/20 12:04	100-51-6	
4-Bromophenylphenyl ether	ND	ug/kg	355	1	09/30/20 12:08	10/06/20 12:04	101-55-3	
Butylbenzylphthalate	ND	ug/kg	355	1	09/30/20 12:08	10/06/20 12:04	85-68-7	
Carbazole	ND	ug/kg	355	1	09/30/20 12:08	10/06/20 12:04	86-74-8	
4-Chloro-3-methylphenol	ND	ug/kg	711	1	09/30/20 12:08	10/06/20 12:04	59-50-7	
4-Chloroaniline	ND	ug/kg	711	1	09/30/20 12:08	10/06/20 12:04	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/kg	355	1	09/30/20 12:08	10/06/20 12:04	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/kg	355	1	09/30/20 12:08	10/06/20 12:04	111-44-4	
bis(2-Chloroisopropyl) ether	ND	ug/kg	355	1	09/30/20 12:08	10/06/20 12:04	108-60-1	
2-Chloronaphthalene	ND	ug/kg	355	1	09/30/20 12:08	10/06/20 12:04	91-58-7	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: PINE LAWN

Pace Project No.: 60349352

Sample: DPT-13-SO-(29-30) **Lab ID: 60349352005** Collected: 09/23/20 10:11 Received: 09/24/20 04:44 Matrix: Solid

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

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Semivolatiles		Analytical Method: EPA 8270 Preparation Method: EPA 3546 Pace Analytical Services - Kansas City						
2-Chlorophenol	ND	ug/kg	355	1	09/30/20 12:08	10/06/20 12:04	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/kg	355	1	09/30/20 12:08	10/06/20 12:04	7005-72-3	
Chrysene	ND	ug/kg	355	1	09/30/20 12:08	10/06/20 12:04	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	355	1	09/30/20 12:08	10/06/20 12:04	53-70-3	
Dibenzofuran	ND	ug/kg	355	1	09/30/20 12:08	10/06/20 12:04	132-64-9	
1,2-Dichlorobenzene	ND	ug/kg	355	1	09/30/20 12:08	10/06/20 12:04	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	355	1	09/30/20 12:08	10/06/20 12:04	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	355	1	09/30/20 12:08	10/06/20 12:04	106-46-7	
3,3'-Dichlorobenzidine	ND	ug/kg	711	1	09/30/20 12:08	10/06/20 12:04	91-94-1	
2,4-Dichlorophenol	ND	ug/kg	355	1	09/30/20 12:08	10/06/20 12:04	120-83-2	
Diethylphthalate	ND	ug/kg	355	1	09/30/20 12:08	10/06/20 12:04	84-66-2	
2,4-Dimethylphenol	ND	ug/kg	355	1	09/30/20 12:08	10/06/20 12:04	105-67-9	
Dimethylphthalate	ND	ug/kg	355	1	09/30/20 12:08	10/06/20 12:04	131-11-3	
Di-n-butylphthalate	ND	ug/kg	355	1	09/30/20 12:08	10/06/20 12:04	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/kg	1800	1	09/30/20 12:08	10/06/20 12:04	534-52-1	
2,4-Dinitrophenol	ND	ug/kg	1800	1	09/30/20 12:08	10/06/20 12:04	51-28-5	
2,4-Dinitrotoluene	ND	ug/kg	355	1	09/30/20 12:08	10/06/20 12:04	121-14-2	
2,6-Dinitrotoluene	ND	ug/kg	355	1	09/30/20 12:08	10/06/20 12:04	606-20-2	
Di-n-octylphthalate	ND	ug/kg	355	1	09/30/20 12:08	10/06/20 12:04	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/kg	355	1	09/30/20 12:08	10/06/20 12:04	117-81-7	
Fluoranthene	ND	ug/kg	355	1	09/30/20 12:08	10/06/20 12:04	206-44-0	
Fluorene	ND	ug/kg	355	1	09/30/20 12:08	10/06/20 12:04	86-73-7	
Hexachloro-1,3-butadiene	ND	ug/kg	355	1	09/30/20 12:08	10/06/20 12:04	87-68-3	
Hexachlorobenzene	ND	ug/kg	355	1	09/30/20 12:08	10/06/20 12:04	118-74-1	
Hexachlorocyclopentadiene	ND	ug/kg	355	1	09/30/20 12:08	10/06/20 12:04	77-47-4	
Hexachloroethane	ND	ug/kg	355	1	09/30/20 12:08	10/06/20 12:04	67-72-1	
Indeno(1,2,3-cd)pyrene	ND	ug/kg	355	1	09/30/20 12:08	10/06/20 12:04	193-39-5	
Isophorone	ND	ug/kg	355	1	09/30/20 12:08	10/06/20 12:04	78-59-1	
2-Methylnaphthalene	ND	ug/kg	355	1	09/30/20 12:08	10/06/20 12:04	91-57-6	
2-Methylphenol(o-Cresol)	ND	ug/kg	355	1	09/30/20 12:08	10/06/20 12:04	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/kg	355	1	09/30/20 12:08	10/06/20 12:04	15831-10-4	
Naphthalene	ND	ug/kg	355	1	09/30/20 12:08	10/06/20 12:04	91-20-3	
2-Nitroaniline	ND	ug/kg	711	1	09/30/20 12:08	10/06/20 12:04	88-74-4	
3-Nitroaniline	ND	ug/kg	711	1	09/30/20 12:08	10/06/20 12:04	99-09-2	
4-Nitroaniline	ND	ug/kg	711	1	09/30/20 12:08	10/06/20 12:04	100-01-6	
Nitrobenzene	ND	ug/kg	355	1	09/30/20 12:08	10/06/20 12:04	98-95-3	
2-Nitrophenol	ND	ug/kg	355	1	09/30/20 12:08	10/06/20 12:04	88-75-5	
4-Nitrophenol	ND	ug/kg	1800	1	09/30/20 12:08	10/06/20 12:04	100-02-7	
N-Nitroso-di-n-propylamine	ND	ug/kg	355	1	09/30/20 12:08	10/06/20 12:04	621-64-7	
N-Nitrosodiphenylamine	ND	ug/kg	355	1	09/30/20 12:08	10/06/20 12:04	86-30-6	
Pentachlorophenol	ND	ug/kg	1800	1	09/30/20 12:08	10/06/20 12:04	87-86-5	
Phenanthrene	ND	ug/kg	355	1	09/30/20 12:08	10/06/20 12:04	85-01-8	
Phenol	ND	ug/kg	355	1	09/30/20 12:08	10/06/20 12:04	108-95-2	
Pyrene	ND	ug/kg	355	1	09/30/20 12:08	10/06/20 12:04	129-00-0	
Pyridine	ND	ug/kg	355	1	09/30/20 12:08	10/06/20 12:04	110-86-1	

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ANALYTICAL RESULTS

Project: PINE LAWN

Pace Project No.: 60349352

Sample: DPT-13-SO-(29-30) **Lab ID:** 60349352005 **Collected:** 09/23/20 10:11 **Received:** 09/24/20 04:44 **Matrix:** Solid

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

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Semivolatiles								
Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Pace Analytical Services - Kansas City								
1,2,4-Trichlorobenzene	ND	ug/kg	355	1	09/30/20 12:08	10/06/20 12:04	120-82-1	
2,4,5-Trichlorophenol	ND	ug/kg	355	1	09/30/20 12:08	10/06/20 12:04	95-95-4	
2,4,6-Trichlorophenol	ND	ug/kg	355	1	09/30/20 12:08	10/06/20 12:04	88-06-2	
Surrogates								
Nitrobenzene-d5 (S)	64	%	33-132	1	09/30/20 12:08	10/06/20 12:04	4165-60-0	
2-Fluorobiphenyl (S)	80	%	39-136	1	09/30/20 12:08	10/06/20 12:04	321-60-8	
Terphenyl-d14 (S)	83	%	29-131	1	09/30/20 12:08	10/06/20 12:04	1718-51-0	
Phenol-d6 (S)	71	%	43-95	1	09/30/20 12:08	10/06/20 12:04	13127-88-3	
2-Fluorophenol (S)	72	%	43-96	1	09/30/20 12:08	10/06/20 12:04	367-12-4	
2,4,6-Tribromophenol (S)	70	%	41-108	1	09/30/20 12:08	10/06/20 12:04	118-79-6	
8270 MSSV DRO/ORO								
Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Pace Analytical Services - Kansas City								
TPH-ORO	ND	mg/kg	16.1	1	09/30/20 14:55	10/05/20 17:29		
TPH-DRO	ND	mg/kg	16.1	1	09/30/20 14:55	10/05/20 17:29		
Surrogates								
Nitrobenzene-d5 (S)	84	%	33-132	1	09/30/20 14:55	10/05/20 17:29	4165-60-0	
2-Fluorobiphenyl (S)	88	%	39-136	1	09/30/20 14:55	10/05/20 17:29	321-60-8	
Terphenyl-d14 (S)	92	%	29-131	1	09/30/20 14:55	10/05/20 17:29	1718-51-0	
8260 MSV 5035A VOA								
Analytical Method: EPA 8260B Preparation Method: EPA 5035A/5030								
Pace Analytical Services - Kansas City								
Acetone	ND	ug/kg	13.1	1	09/28/20 13:13	09/28/20 21:58	67-64-1	
Benzene	ND	ug/kg	3.3	1	09/28/20 13:13	09/28/20 21:58	71-43-2	
Bromobenzene	ND	ug/kg	3.3	1	09/28/20 13:13	09/28/20 21:58	108-86-1	
Bromochloromethane	ND	ug/kg	3.3	1	09/28/20 13:13	09/28/20 21:58	74-97-5	
Bromodichloromethane	ND	ug/kg	3.3	1	09/28/20 13:13	09/28/20 21:58	75-27-4	
Bromoform	ND	ug/kg	3.3	1	09/28/20 13:13	09/28/20 21:58	75-25-2	
Bromomethane	ND	ug/kg	3.3	1	09/28/20 13:13	09/28/20 21:58	74-83-9	
2-Butanone (MEK)	ND	ug/kg	6.6	1	09/28/20 13:13	09/28/20 21:58	78-93-3	
n-Butylbenzene	ND	ug/kg	3.3	1	09/28/20 13:13	09/28/20 21:58	104-51-8	
sec-Butylbenzene	ND	ug/kg	3.3	1	09/28/20 13:13	09/28/20 21:58	135-98-8	
tert-Butylbenzene	ND	ug/kg	16.4	1	09/28/20 13:13	09/28/20 21:58	98-06-6	
Carbon disulfide	ND	ug/kg	3.3	1	09/28/20 13:13	09/28/20 21:58	75-15-0	
Carbon tetrachloride	ND	ug/kg	3.3	1	09/28/20 13:13	09/28/20 21:58	56-23-5	
Chlorobenzene	ND	ug/kg	3.3	1	09/28/20 13:13	09/28/20 21:58	108-90-7	
Chloroethane	ND	ug/kg	3.3	1	09/28/20 13:13	09/28/20 21:58	75-00-3	
Chloroform	ND	ug/kg	3.3	1	09/28/20 13:13	09/28/20 21:58	67-66-3	
Chloromethane	ND	ug/kg	3.3	1	09/28/20 13:13	09/28/20 21:58	74-87-3	
2-Chlorotoluene	ND	ug/kg	3.3	1	09/28/20 13:13	09/28/20 21:58	95-49-8	
4-Chlorotoluene	ND	ug/kg	3.3	1	09/28/20 13:13	09/28/20 21:58	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/kg	6.6	1	09/28/20 13:13	09/28/20 21:58	96-12-8	
Dibromochloromethane	ND	ug/kg	3.3	1	09/28/20 13:13	09/28/20 21:58	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	3.3	1	09/28/20 13:13	09/28/20 21:58	106-93-4	
Dibromomethane	ND	ug/kg	3.3	1	09/28/20 13:13	09/28/20 21:58	74-95-3	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: PINE LAWN

Pace Project No.: 60349352

Sample: DPT-13-SO-(29-30) **Lab ID:** 60349352005 **Collected:** 09/23/20 10:11 **Received:** 09/24/20 04:44 **Matrix:** Solid

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

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035A VOA								
Analytical Method: EPA 8260B Preparation Method: EPA 5035A/5030								
Pace Analytical Services - Kansas City								
1,2-Dichlorobenzene	ND	ug/kg	3.3	1	09/28/20 13:13	09/28/20 21:58	95-50-1	SS
1,3-Dichlorobenzene	ND	ug/kg	3.3	1	09/28/20 13:13	09/28/20 21:58	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	3.3	1	09/28/20 13:13	09/28/20 21:58	106-46-7	
Dichlorodifluoromethane	ND	ug/kg	3.3	1	09/28/20 13:13	09/28/20 21:58	75-71-8	
1,1-Dichloroethane	ND	ug/kg	3.3	1	09/28/20 13:13	09/28/20 21:58	75-34-3	
1,2-Dichloroethane	ND	ug/kg	3.3	1	09/28/20 13:13	09/28/20 21:58	107-06-2	
1,2-Dichloroethene (Total)	ND	ug/kg	3.3	1	09/28/20 13:13	09/28/20 21:58	540-59-0	
1,1-Dichloroethene	ND	ug/kg	3.3	1	09/28/20 13:13	09/28/20 21:58	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	3.3	1	09/28/20 13:13	09/28/20 21:58	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	3.3	1	09/28/20 13:13	09/28/20 21:58	156-60-5	
1,2-Dichloropropane	ND	ug/kg	3.3	1	09/28/20 13:13	09/28/20 21:58	78-87-5	
1,3-Dichloropropane	ND	ug/kg	3.3	1	09/28/20 13:13	09/28/20 21:58	142-28-9	
2,2-Dichloropropane	ND	ug/kg	3.3	1	09/28/20 13:13	09/28/20 21:58	594-20-7	
1,1-Dichloropropene	ND	ug/kg	3.3	1	09/28/20 13:13	09/28/20 21:58	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	3.3	1	09/28/20 13:13	09/28/20 21:58	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	3.3	1	09/28/20 13:13	09/28/20 21:58	10061-02-6	
Ethylbenzene	ND	ug/kg	3.3	1	09/28/20 13:13	09/28/20 21:58	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/kg	3.3	1	09/28/20 13:13	09/28/20 21:58	87-68-3	
2-Hexanone	ND	ug/kg	13.1	1	09/28/20 13:13	09/28/20 21:58	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/kg	3.3	1	09/28/20 13:13	09/28/20 21:58	98-82-8	
p-Isopropyltoluene	ND	ug/kg	3.3	1	09/28/20 13:13	09/28/20 21:58	99-87-6	
Methylene Chloride	ND	ug/kg	3.3	1	09/28/20 13:13	09/28/20 21:58	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	6.6	1	09/28/20 13:13	09/28/20 21:58	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	3.3	1	09/28/20 13:13	09/28/20 21:58	1634-04-4	
Naphthalene	ND	ug/kg	6.6	1	09/28/20 13:13	09/28/20 21:58	91-20-3	
n-Propylbenzene	ND	ug/kg	3.3	1	09/28/20 13:13	09/28/20 21:58	103-65-1	
Styrene	ND	ug/kg	3.3	1	09/28/20 13:13	09/28/20 21:58	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	3.3	1	09/28/20 13:13	09/28/20 21:58	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	3.3	1	09/28/20 13:13	09/28/20 21:58	79-34-5	
Tetrachloroethene	ND	ug/kg	3.3	1	09/28/20 13:13	09/28/20 21:58	127-18-4	
Toluene	ND	ug/kg	3.3	1	09/28/20 13:13	09/28/20 21:58	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	3.3	1	09/28/20 13:13	09/28/20 21:58	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	3.3	1	09/28/20 13:13	09/28/20 21:58	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	3.3	1	09/28/20 13:13	09/28/20 21:58	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	3.3	1	09/28/20 13:13	09/28/20 21:58	79-00-5	
Trichloroethene	ND	ug/kg	3.3	1	09/28/20 13:13	09/28/20 21:58	79-01-6	
Trichlorofluoromethane	ND	ug/kg	3.3	1	09/28/20 13:13	09/28/20 21:58	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	3.3	1	09/28/20 13:13	09/28/20 21:58	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/kg	3.3	1	09/28/20 13:13	09/28/20 21:58	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	3.3	1	09/28/20 13:13	09/28/20 21:58	108-67-8	
Vinyl chloride	ND	ug/kg	3.3	1	09/28/20 13:13	09/28/20 21:58	75-01-4	
Xylene (Total)	ND	ug/kg	3.3	1	09/28/20 13:13	09/28/20 21:58	1330-20-7	
Surrogates								
Toluene-d8 (S)	100	%	80-120	1	09/28/20 13:13	09/28/20 21:58	2037-26-5	
4-Bromofluorobenzene (S)	97	%	85-115	1	09/28/20 13:13	09/28/20 21:58	460-00-4	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: PINE LAWN

Pace Project No.: 60349352

Sample: DPT-13-SO-(29-30) **Lab ID:** 60349352005 Collected: 09/23/20 10:11 Received: 09/24/20 04:44 Matrix: Solid

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

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035A VOA								
Analytical Method: EPA 8260B Preparation Method: EPA 5035A/5030								
Pace Analytical Services - Kansas City								
Surrogates								
1,2-Dichloroethane-d4 (S)	107	%	78-118	1	09/28/20 13:13	09/28/20 21:58	17060-07-0	
8260 MSV GRO and Oxygenates								
Analytical Method: EPA 8260 Preparation Method: EPA 5035								
Pace Analytical Services - Kansas City								
TPH-GRO	ND	mg/kg	0.36	1	09/29/20 09:02	09/29/20 11:12		
Surrogates								
Toluene-d8 (S)	100	%	78-122	1	09/29/20 09:02	09/29/20 11:12	2037-26-5	
4-Bromofluorobenzene (S)	96	%	69-133	1	09/29/20 09:02	09/29/20 11:12	460-00-4	
1,2-Dichloroethane-d4 (S)	107	%	80-123	1	09/29/20 09:02	09/29/20 11:12	17060-07-0	
Percent Moisture								
Analytical Method: ASTM D2974								
Pace Analytical Services - Kansas City								
Percent Moisture	7.8	%	0.50	1		09/25/20 11:10		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: PINE LAWN

Pace Project No.: 60349352

Sample: DPT-14-SO-(13-14) **Lab ID:** 60349352006 **Collected:** 09/23/20 10:50 **Received:** 09/24/20 04:44 **Matrix:** Solid

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

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8082 GCS PCB SW								
Analytical Method: EPA 8082 Preparation Method: EPA 3546								
Pace Analytical Services - Kansas City								
PCB-1016 (Aroclor 1016)	ND	ug/kg	39.6	1	09/30/20 15:02	10/02/20 17:07	12674-11-2	
PCB-1221 (Aroclor 1221)	ND	ug/kg	39.6	1	09/30/20 15:02	10/02/20 17:07	11104-28-2	
PCB-1232 (Aroclor 1232)	ND	ug/kg	39.6	1	09/30/20 15:02	10/02/20 17:07	11141-16-5	
PCB-1242 (Aroclor 1242)	ND	ug/kg	39.6	1	09/30/20 15:02	10/02/20 17:07	53469-21-9	
PCB-1248 (Aroclor 1248)	ND	ug/kg	39.6	1	09/30/20 15:02	10/02/20 17:07	12672-29-6	
PCB-1254 (Aroclor 1254)	ND	ug/kg	39.6	1	09/30/20 15:02	10/02/20 17:07	11097-69-1	
PCB-1260 (Aroclor 1260)	ND	ug/kg	39.6	1	09/30/20 15:02	10/02/20 17:07	11096-82-5	
Surrogates								
Decachlorobiphenyl (S)	87	%	28-143	1	09/30/20 15:02	10/02/20 17:07	2051-24-3	
6010 MET ICP Red. Interference								
Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Pace Analytical Services - Kansas City								
Arsenic	6.7	mg/kg	1.1	1	10/02/20 10:03	10/06/20 10:46	7440-38-2	
Barium	81.4	mg/kg	0.53	1	10/02/20 10:03	10/06/20 10:46	7440-39-3	
Cadmium	ND	mg/kg	0.53	1	10/02/20 10:03	10/06/20 10:46	7440-43-9	
Chromium	16.4	mg/kg	0.53	1	10/02/20 10:03	10/06/20 10:46	7440-47-3	
Lead	34.7	mg/kg	1.1	1	10/02/20 10:03	10/06/20 10:46	7439-92-1	
Selenium	ND	mg/kg	1.6	1	10/02/20 10:03	10/06/20 10:46	7782-49-2	
Silver	ND	mg/kg	0.75	1	10/02/20 10:03	10/06/20 10:46	7440-22-4	
7471 Mercury								
Analytical Method: EPA 7471 Preparation Method: EPA 7471								
Pace Analytical Services - Kansas City								
Mercury	ND	mg/kg	0.050	1	09/30/20 18:07	10/01/20 13:51	7439-97-6	
8270 MSSV Semivolatiles								
Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Pace Analytical Services - Kansas City								
Acenaphthene	ND	ug/kg	390	1	09/30/20 12:08	10/06/20 12:25	83-32-9	
Acenaphthylene	ND	ug/kg	390	1	09/30/20 12:08	10/06/20 12:25	208-96-8	
Anthracene	ND	ug/kg	390	1	09/30/20 12:08	10/06/20 12:25	120-12-7	
Benzo(a)anthracene	ND	ug/kg	390	1	09/30/20 12:08	10/06/20 12:25	56-55-3	
Benzo(a)pyrene	ND	ug/kg	390	1	09/30/20 12:08	10/06/20 12:25	50-32-8	
Benzo(b)fluoranthene	ND	ug/kg	390	1	09/30/20 12:08	10/06/20 12:25	205-99-2	
Benzo(g,h,i)perylene	ND	ug/kg	390	1	09/30/20 12:08	10/06/20 12:25	191-24-2	
Benzo(k)fluoranthene	ND	ug/kg	390	1	09/30/20 12:08	10/06/20 12:25	207-08-9	
Benzoic Acid	ND	ug/kg	1980	1	09/30/20 12:08	10/06/20 12:25	65-85-0	
Benzyl alcohol	ND	ug/kg	781	1	09/30/20 12:08	10/06/20 12:25	100-51-6	
4-Bromophenylphenyl ether	ND	ug/kg	390	1	09/30/20 12:08	10/06/20 12:25	101-55-3	
Butylbenzylphthalate	ND	ug/kg	390	1	09/30/20 12:08	10/06/20 12:25	85-68-7	
Carbazole	ND	ug/kg	390	1	09/30/20 12:08	10/06/20 12:25	86-74-8	
4-Chloro-3-methylphenol	ND	ug/kg	781	1	09/30/20 12:08	10/06/20 12:25	59-50-7	
4-Chloroaniline	ND	ug/kg	781	1	09/30/20 12:08	10/06/20 12:25	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/kg	390	1	09/30/20 12:08	10/06/20 12:25	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/kg	390	1	09/30/20 12:08	10/06/20 12:25	111-44-4	
bis(2-Chloroisopropyl) ether	ND	ug/kg	390	1	09/30/20 12:08	10/06/20 12:25	108-60-1	
2-Chloronaphthalene	ND	ug/kg	390	1	09/30/20 12:08	10/06/20 12:25	91-58-7	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: PINE LAWN

Pace Project No.: 60349352

Sample: DPT-14-SO-(13-14) Lab ID: 60349352006 Collected: 09/23/20 10:50 Received: 09/24/20 04:44 Matrix: Solid

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

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Semivolatiles		Analytical Method: EPA 8270 Preparation Method: EPA 3546 Pace Analytical Services - Kansas City						
2-Chlorophenol	ND	ug/kg	390	1	09/30/20 12:08	10/06/20 12:25	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/kg	390	1	09/30/20 12:08	10/06/20 12:25	7005-72-3	
Chrysene	ND	ug/kg	390	1	09/30/20 12:08	10/06/20 12:25	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	390	1	09/30/20 12:08	10/06/20 12:25	53-70-3	
Dibenzofuran	ND	ug/kg	390	1	09/30/20 12:08	10/06/20 12:25	132-64-9	
1,2-Dichlorobenzene	ND	ug/kg	390	1	09/30/20 12:08	10/06/20 12:25	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	390	1	09/30/20 12:08	10/06/20 12:25	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	390	1	09/30/20 12:08	10/06/20 12:25	106-46-7	
3,3'-Dichlorobenzidine	ND	ug/kg	781	1	09/30/20 12:08	10/06/20 12:25	91-94-1	
2,4-Dichlorophenol	ND	ug/kg	390	1	09/30/20 12:08	10/06/20 12:25	120-83-2	
Diethylphthalate	ND	ug/kg	390	1	09/30/20 12:08	10/06/20 12:25	84-66-2	
2,4-Dimethylphenol	ND	ug/kg	390	1	09/30/20 12:08	10/06/20 12:25	105-67-9	
Dimethylphthalate	ND	ug/kg	390	1	09/30/20 12:08	10/06/20 12:25	131-11-3	
Di-n-butylphthalate	ND	ug/kg	390	1	09/30/20 12:08	10/06/20 12:25	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/kg	1980	1	09/30/20 12:08	10/06/20 12:25	534-52-1	
2,4-Dinitrophenol	ND	ug/kg	1980	1	09/30/20 12:08	10/06/20 12:25	51-28-5	
2,4-Dinitrotoluene	ND	ug/kg	390	1	09/30/20 12:08	10/06/20 12:25	121-14-2	
2,6-Dinitrotoluene	ND	ug/kg	390	1	09/30/20 12:08	10/06/20 12:25	606-20-2	
Di-n-octylphthalate	ND	ug/kg	390	1	09/30/20 12:08	10/06/20 12:25	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/kg	390	1	09/30/20 12:08	10/06/20 12:25	117-81-7	
Fluoranthene	ND	ug/kg	390	1	09/30/20 12:08	10/06/20 12:25	206-44-0	
Fluorene	ND	ug/kg	390	1	09/30/20 12:08	10/06/20 12:25	86-73-7	
Hexachloro-1,3-butadiene	ND	ug/kg	390	1	09/30/20 12:08	10/06/20 12:25	87-68-3	
Hexachlorobenzene	ND	ug/kg	390	1	09/30/20 12:08	10/06/20 12:25	118-74-1	
Hexachlorocyclopentadiene	ND	ug/kg	390	1	09/30/20 12:08	10/06/20 12:25	77-47-4	
Hexachloroethane	ND	ug/kg	390	1	09/30/20 12:08	10/06/20 12:25	67-72-1	
Indeno(1,2,3-cd)pyrene	ND	ug/kg	390	1	09/30/20 12:08	10/06/20 12:25	193-39-5	
Isophorone	ND	ug/kg	390	1	09/30/20 12:08	10/06/20 12:25	78-59-1	
2-Methylnaphthalene	ND	ug/kg	390	1	09/30/20 12:08	10/06/20 12:25	91-57-6	
2-Methylphenol(o-Cresol)	ND	ug/kg	390	1	09/30/20 12:08	10/06/20 12:25	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/kg	390	1	09/30/20 12:08	10/06/20 12:25	15831-10-4	
Naphthalene	ND	ug/kg	390	1	09/30/20 12:08	10/06/20 12:25	91-20-3	
2-Nitroaniline	ND	ug/kg	781	1	09/30/20 12:08	10/06/20 12:25	88-74-4	
3-Nitroaniline	ND	ug/kg	781	1	09/30/20 12:08	10/06/20 12:25	99-09-2	
4-Nitroaniline	ND	ug/kg	781	1	09/30/20 12:08	10/06/20 12:25	100-01-6	
Nitrobenzene	ND	ug/kg	390	1	09/30/20 12:08	10/06/20 12:25	98-95-3	
2-Nitrophenol	ND	ug/kg	390	1	09/30/20 12:08	10/06/20 12:25	88-75-5	
4-Nitrophenol	ND	ug/kg	1980	1	09/30/20 12:08	10/06/20 12:25	100-02-7	
N-Nitroso-di-n-propylamine	ND	ug/kg	390	1	09/30/20 12:08	10/06/20 12:25	621-64-7	
N-Nitrosodiphenylamine	ND	ug/kg	390	1	09/30/20 12:08	10/06/20 12:25	86-30-6	
Pentachlorophenol	ND	ug/kg	1980	1	09/30/20 12:08	10/06/20 12:25	87-86-5	
Phenanthrene	ND	ug/kg	390	1	09/30/20 12:08	10/06/20 12:25	85-01-8	
Phenol	ND	ug/kg	390	1	09/30/20 12:08	10/06/20 12:25	108-95-2	
Pyrene	ND	ug/kg	390	1	09/30/20 12:08	10/06/20 12:25	129-00-0	
Pyridine	ND	ug/kg	390	1	09/30/20 12:08	10/06/20 12:25	110-86-1	

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ANALYTICAL RESULTS

Project: PINE LAWN

Pace Project No.: 60349352

Sample: DPT-14-SO-(13-14) **Lab ID:** 60349352006 **Collected:** 09/23/20 10:50 **Received:** 09/24/20 04:44 **Matrix:** Solid

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

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Semivolatiles								
Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Pace Analytical Services - Kansas City								
1,2,4-Trichlorobenzene	ND	ug/kg	390	1	09/30/20 12:08	10/06/20 12:25	120-82-1	
2,4,5-Trichlorophenol	ND	ug/kg	390	1	09/30/20 12:08	10/06/20 12:25	95-95-4	
2,4,6-Trichlorophenol	ND	ug/kg	390	1	09/30/20 12:08	10/06/20 12:25	88-06-2	
Surrogates								
Nitrobenzene-d5 (S)	62	%	33-132	1	09/30/20 12:08	10/06/20 12:25	4165-60-0	
2-Fluorobiphenyl (S)	77	%	39-136	1	09/30/20 12:08	10/06/20 12:25	321-60-8	
Terphenyl-d14 (S)	78	%	29-131	1	09/30/20 12:08	10/06/20 12:25	1718-51-0	
Phenol-d6 (S)	69	%	43-95	1	09/30/20 12:08	10/06/20 12:25	13127-88-3	
2-Fluorophenol (S)	72	%	43-96	1	09/30/20 12:08	10/06/20 12:25	367-12-4	
2,4,6-Tribromophenol (S)	72	%	41-108	1	09/30/20 12:08	10/06/20 12:25	118-79-6	
8270 MSSV DRO/ORO								
Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Pace Analytical Services - Kansas City								
TPH-ORO	ND	mg/kg	18.2	1	09/30/20 14:55	10/05/20 17:48		
TPH-DRO	ND	mg/kg	18.2	1	09/30/20 14:55	10/05/20 17:48		
Surrogates								
Nitrobenzene-d5 (S)	82	%	33-132	1	09/30/20 14:55	10/05/20 17:48	4165-60-0	
2-Fluorobiphenyl (S)	87	%	39-136	1	09/30/20 14:55	10/05/20 17:48	321-60-8	
Terphenyl-d14 (S)	89	%	29-131	1	09/30/20 14:55	10/05/20 17:48	1718-51-0	
8260 MSV 5035A VOA								
Analytical Method: EPA 8260B Preparation Method: EPA 5035A/5030								
Pace Analytical Services - Kansas City								
Acetone	ND	ug/kg	15.7	1	09/28/20 13:13	09/28/20 22:14	67-64-1	
Benzene	ND	ug/kg	3.9	1	09/28/20 13:13	09/28/20 22:14	71-43-2	
Bromobenzene	ND	ug/kg	3.9	1	09/28/20 13:13	09/28/20 22:14	108-86-1	
Bromochloromethane	ND	ug/kg	3.9	1	09/28/20 13:13	09/28/20 22:14	74-97-5	
Bromodichloromethane	ND	ug/kg	3.9	1	09/28/20 13:13	09/28/20 22:14	75-27-4	
Bromoform	ND	ug/kg	3.9	1	09/28/20 13:13	09/28/20 22:14	75-25-2	
Bromomethane	ND	ug/kg	3.9	1	09/28/20 13:13	09/28/20 22:14	74-83-9	
2-Butanone (MEK)	ND	ug/kg	7.8	1	09/28/20 13:13	09/28/20 22:14	78-93-3	
n-Butylbenzene	ND	ug/kg	3.9	1	09/28/20 13:13	09/28/20 22:14	104-51-8	
sec-Butylbenzene	ND	ug/kg	3.9	1	09/28/20 13:13	09/28/20 22:14	135-98-8	
tert-Butylbenzene	ND	ug/kg	19.6	1	09/28/20 13:13	09/28/20 22:14	98-06-6	
Carbon disulfide	ND	ug/kg	3.9	1	09/28/20 13:13	09/28/20 22:14	75-15-0	
Carbon tetrachloride	ND	ug/kg	3.9	1	09/28/20 13:13	09/28/20 22:14	56-23-5	
Chlorobenzene	ND	ug/kg	3.9	1	09/28/20 13:13	09/28/20 22:14	108-90-7	
Chloroethane	ND	ug/kg	3.9	1	09/28/20 13:13	09/28/20 22:14	75-00-3	
Chloroform	ND	ug/kg	3.9	1	09/28/20 13:13	09/28/20 22:14	67-66-3	
Chloromethane	ND	ug/kg	3.9	1	09/28/20 13:13	09/28/20 22:14	74-87-3	
2-Chlorotoluene	ND	ug/kg	3.9	1	09/28/20 13:13	09/28/20 22:14	95-49-8	
4-Chlorotoluene	ND	ug/kg	3.9	1	09/28/20 13:13	09/28/20 22:14	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/kg	7.8	1	09/28/20 13:13	09/28/20 22:14	96-12-8	
Dibromochloromethane	ND	ug/kg	3.9	1	09/28/20 13:13	09/28/20 22:14	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	3.9	1	09/28/20 13:13	09/28/20 22:14	106-93-4	
Dibromomethane	ND	ug/kg	3.9	1	09/28/20 13:13	09/28/20 22:14	74-95-3	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: PINE LAWN

Pace Project No.: 60349352

Sample: DPT-14-SO-(13-14) **Lab ID:** 60349352006 **Collected:** 09/23/20 10:50 **Received:** 09/24/20 04:44 **Matrix:** Solid

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

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035A VOA								
Analytical Method: EPA 8260B Preparation Method: EPA 5035A/5030								
Pace Analytical Services - Kansas City								
1,2-Dichlorobenzene	ND	ug/kg	3.9	1	09/28/20 13:13	09/28/20 22:14	95-50-1	SS
1,3-Dichlorobenzene	ND	ug/kg	3.9	1	09/28/20 13:13	09/28/20 22:14	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	3.9	1	09/28/20 13:13	09/28/20 22:14	106-46-7	
Dichlorodifluoromethane	ND	ug/kg	3.9	1	09/28/20 13:13	09/28/20 22:14	75-71-8	
1,1-Dichloroethane	5.1	ug/kg	3.9	1	09/28/20 13:13	09/28/20 22:14	75-34-3	
1,2-Dichloroethane	ND	ug/kg	3.9	1	09/28/20 13:13	09/28/20 22:14	107-06-2	
1,1-Dichloroethene	10.8	ug/kg	3.9	1	09/28/20 13:13	09/28/20 22:14	75-35-4	
trans-1,2-Dichloroethene	ND	ug/kg	3.9	1	09/28/20 13:13	09/28/20 22:14	156-60-5	
1,2-Dichloropropane	ND	ug/kg	3.9	1	09/28/20 13:13	09/28/20 22:14	78-87-5	
1,3-Dichloropropane	ND	ug/kg	3.9	1	09/28/20 13:13	09/28/20 22:14	142-28-9	
2,2-Dichloropropane	ND	ug/kg	3.9	1	09/28/20 13:13	09/28/20 22:14	594-20-7	
1,1-Dichloropropene	ND	ug/kg	3.9	1	09/28/20 13:13	09/28/20 22:14	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	3.9	1	09/28/20 13:13	09/28/20 22:14	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	3.9	1	09/28/20 13:13	09/28/20 22:14	10061-02-6	
Ethylbenzene	ND	ug/kg	3.9	1	09/28/20 13:13	09/28/20 22:14	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/kg	3.9	1	09/28/20 13:13	09/28/20 22:14	87-68-3	
2-Hexanone	ND	ug/kg	15.7	1	09/28/20 13:13	09/28/20 22:14	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/kg	3.9	1	09/28/20 13:13	09/28/20 22:14	98-82-8	
p-Isopropyltoluene	ND	ug/kg	3.9	1	09/28/20 13:13	09/28/20 22:14	99-87-6	
Methylene Chloride	ND	ug/kg	3.9	1	09/28/20 13:13	09/28/20 22:14	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	7.8	1	09/28/20 13:13	09/28/20 22:14	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	3.9	1	09/28/20 13:13	09/28/20 22:14	1634-04-4	
Naphthalene	ND	ug/kg	7.8	1	09/28/20 13:13	09/28/20 22:14	91-20-3	
n-Propylbenzene	ND	ug/kg	3.9	1	09/28/20 13:13	09/28/20 22:14	103-65-1	
Styrene	ND	ug/kg	3.9	1	09/28/20 13:13	09/28/20 22:14	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	3.9	1	09/28/20 13:13	09/28/20 22:14	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	3.9	1	09/28/20 13:13	09/28/20 22:14	79-34-5	
Tetrachloroethene	ND	ug/kg	3.9	1	09/28/20 13:13	09/28/20 22:14	127-18-4	
Toluene	ND	ug/kg	3.9	1	09/28/20 13:13	09/28/20 22:14	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	3.9	1	09/28/20 13:13	09/28/20 22:14	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	3.9	1	09/28/20 13:13	09/28/20 22:14	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	3.9	1	09/28/20 13:13	09/28/20 22:14	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	3.9	1	09/28/20 13:13	09/28/20 22:14	79-00-5	
Trichlorofluoromethane	ND	ug/kg	3.9	1	09/28/20 13:13	09/28/20 22:14	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	3.9	1	09/28/20 13:13	09/28/20 22:14	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/kg	3.9	1	09/28/20 13:13	09/28/20 22:14	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	3.9	1	09/28/20 13:13	09/28/20 22:14	108-67-8	
Vinyl chloride	ND	ug/kg	3.9	1	09/28/20 13:13	09/28/20 22:14	75-01-4	
Xylene (Total)	ND	ug/kg	3.9	1	09/28/20 13:13	09/28/20 22:14	1330-20-7	
Surrogates								
Toluene-d8 (S)	101	%	80-120	1	09/28/20 13:13	09/28/20 22:14	2037-26-5	
4-Bromofluorobenzene (S)	96	%	85-115	1	09/28/20 13:13	09/28/20 22:14	460-00-4	
1,2-Dichloroethane-d4 (S)	103	%	78-118	1	09/28/20 13:13	09/28/20 22:14	17060-07-0	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: PINE LAWN

Pace Project No.: 60349352

Sample: DPT-14-SO-(13-14) **Lab ID:** 60349352006 Collected: 09/23/20 10:50 Received: 09/24/20 04:44 Matrix: Solid

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

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035A VOA								
Analytical Method: EPA 8260B Preparation Method: EPA 5035A/5030B								
Pace Analytical Services - Kansas City								
1,2-Dichloroethene (Total)	1090	ug/kg	212	1	09/29/20 15:16	09/29/20 19:09	540-59-0	
cis-1,2-Dichloroethene	1090	ug/kg	212	1	09/29/20 15:16	09/29/20 19:09	156-59-2	
Trichloroethene	931	ug/kg	212	1	09/29/20 15:16	09/29/20 19:09	79-01-6	
Surrogates								
Toluene-d8 (S)	103	%	80-120	1	09/29/20 15:16	09/29/20 19:09	2037-26-5	
4-Bromofluorobenzene (S)	96	%	83-119	1	09/29/20 15:16	09/29/20 19:09	460-00-4	
1,2-Dichloroethane-d4 (S)	97	%	78-118	1	09/29/20 15:16	09/29/20 19:09	17060-07-0	
8260 MSV GRO and Oxygenates								
Analytical Method: EPA 8260 Preparation Method: EPA 5035								
Pace Analytical Services - Kansas City								
TPH-GRO	0.75	mg/kg	0.32	1	09/29/20 09:02	09/29/20 11:27		
Surrogates								
Toluene-d8 (S)	101	%	78-122	1	09/29/20 09:02	09/29/20 11:27	2037-26-5	
4-Bromofluorobenzene (S)	97	%	69-133	1	09/29/20 09:02	09/29/20 11:27	460-00-4	
1,2-Dichloroethane-d4 (S)	105	%	80-123	1	09/29/20 09:02	09/29/20 11:27	17060-07-0	
Percent Moisture								
Analytical Method: ASTM D2974								
Pace Analytical Services - Kansas City								
Percent Moisture	19.0	%	0.50	1		09/25/20 11:10		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: PINE LAWN

Pace Project No.: 60349352

Sample: PINE LAWN-SO-TB5 Lab ID: 60349352007 Collected: 09/23/20 12:55 Received: 09/24/20 04:44 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035A VOA		Analytical Method: EPA 8260B Preparation Method: EPA 5035A/5030 Pace Analytical Services - Kansas City						
Acetone	ND	ug/kg	20.0	1	09/26/20 10:39	09/26/20 16:40	67-64-1	
Benzene	ND	ug/kg	5.0	1	09/26/20 10:39	09/26/20 16:40	71-43-2	
Bromobenzene	ND	ug/kg	5.0	1	09/26/20 10:39	09/26/20 16:40	108-86-1	
Bromochloromethane	ND	ug/kg	5.0	1	09/26/20 10:39	09/26/20 16:40	74-97-5	
Bromodichloromethane	ND	ug/kg	5.0	1	09/26/20 10:39	09/26/20 16:40	75-27-4	
Bromoform	ND	ug/kg	5.0	1	09/26/20 10:39	09/26/20 16:40	75-25-2	
Bromomethane	ND	ug/kg	5.0	1	09/26/20 10:39	09/26/20 16:40	74-83-9	
2-Butanone (MEK)	ND	ug/kg	10.0	1	09/26/20 10:39	09/26/20 16:40	78-93-3	
n-Butylbenzene	ND	ug/kg	5.0	1	09/26/20 10:39	09/26/20 16:40	104-51-8	
sec-Butylbenzene	ND	ug/kg	5.0	1	09/26/20 10:39	09/26/20 16:40	135-98-8	
tert-Butylbenzene	ND	ug/kg	25.0	1	09/26/20 10:39	09/26/20 16:40	98-06-6	
Carbon disulfide	ND	ug/kg	5.0	1	09/26/20 10:39	09/26/20 16:40	75-15-0	
Carbon tetrachloride	ND	ug/kg	5.0	1	09/26/20 10:39	09/26/20 16:40	56-23-5	
Chlorobenzene	ND	ug/kg	5.0	1	09/26/20 10:39	09/26/20 16:40	108-90-7	
Chloroethane	ND	ug/kg	5.0	1	09/26/20 10:39	09/26/20 16:40	75-00-3	
Chloroform	ND	ug/kg	5.0	1	09/26/20 10:39	09/26/20 16:40	67-66-3	
Chloromethane	ND	ug/kg	5.0	1	09/26/20 10:39	09/26/20 16:40	74-87-3	
2-Chlorotoluene	ND	ug/kg	5.0	1	09/26/20 10:39	09/26/20 16:40	95-49-8	
4-Chlorotoluene	ND	ug/kg	5.0	1	09/26/20 10:39	09/26/20 16:40	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/kg	10.0	1	09/26/20 10:39	09/26/20 16:40	96-12-8	
Dibromochloromethane	ND	ug/kg	5.0	1	09/26/20 10:39	09/26/20 16:40	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	5.0	1	09/26/20 10:39	09/26/20 16:40	106-93-4	
Dibromomethane	ND	ug/kg	5.0	1	09/26/20 10:39	09/26/20 16:40	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	5.0	1	09/26/20 10:39	09/26/20 16:40	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	5.0	1	09/26/20 10:39	09/26/20 16:40	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	5.0	1	09/26/20 10:39	09/26/20 16:40	106-46-7	
Dichlorodifluoromethane	ND	ug/kg	5.0	1	09/26/20 10:39	09/26/20 16:40	75-71-8	SS
1,1-Dichloroethane	ND	ug/kg	5.0	1	09/26/20 10:39	09/26/20 16:40	75-34-3	
1,2-Dichloroethane	ND	ug/kg	5.0	1	09/26/20 10:39	09/26/20 16:40	107-06-2	
1,2-Dichloroethene (Total)	ND	ug/kg	5.0	1	09/26/20 10:39	09/26/20 16:40	540-59-0	
1,1-Dichloroethene	ND	ug/kg	5.0	1	09/26/20 10:39	09/26/20 16:40	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	5.0	1	09/26/20 10:39	09/26/20 16:40	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	5.0	1	09/26/20 10:39	09/26/20 16:40	156-60-5	
1,2-Dichloropropane	ND	ug/kg	5.0	1	09/26/20 10:39	09/26/20 16:40	78-87-5	
1,3-Dichloropropane	ND	ug/kg	5.0	1	09/26/20 10:39	09/26/20 16:40	142-28-9	
2,2-Dichloropropane	ND	ug/kg	5.0	1	09/26/20 10:39	09/26/20 16:40	594-20-7	
1,1-Dichloropropene	ND	ug/kg	5.0	1	09/26/20 10:39	09/26/20 16:40	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	5.0	1	09/26/20 10:39	09/26/20 16:40	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	5.0	1	09/26/20 10:39	09/26/20 16:40	10061-02-6	
Ethylbenzene	ND	ug/kg	5.0	1	09/26/20 10:39	09/26/20 16:40	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/kg	5.0	1	09/26/20 10:39	09/26/20 16:40	87-68-3	
2-Hexanone	ND	ug/kg	20.0	1	09/26/20 10:39	09/26/20 16:40	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/kg	5.0	1	09/26/20 10:39	09/26/20 16:40	98-82-8	
p-Isopropyltoluene	ND	ug/kg	5.0	1	09/26/20 10:39	09/26/20 16:40	99-87-6	
Methylene Chloride	ND	ug/kg	5.0	1	09/26/20 10:39	09/26/20 16:40	75-09-2	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: PINE LAWN

Pace Project No.: 60349352

Sample: PINE LAWN-SO-TB5 Lab ID: 60349352007 Collected: 09/23/20 12:55 Received: 09/24/20 04:44 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035A VOA		Analytical Method: EPA 8260B Preparation Method: EPA 5035A/5030 Pace Analytical Services - Kansas City						
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	10.0	1	09/26/20 10:39	09/26/20 16:40	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	5.0	1	09/26/20 10:39	09/26/20 16:40	1634-04-4	
Naphthalene	ND	ug/kg	10.0	1	09/26/20 10:39	09/26/20 16:40	91-20-3	
n-Propylbenzene	ND	ug/kg	5.0	1	09/26/20 10:39	09/26/20 16:40	103-65-1	
Styrene	ND	ug/kg	5.0	1	09/26/20 10:39	09/26/20 16:40	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	5.0	1	09/26/20 10:39	09/26/20 16:40	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	5.0	1	09/26/20 10:39	09/26/20 16:40	79-34-5	
Tetrachloroethene	ND	ug/kg	5.0	1	09/26/20 10:39	09/26/20 16:40	127-18-4	
Toluene	8.2	ug/kg	5.0	1	09/26/20 10:39	09/26/20 16:40	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	5.0	1	09/26/20 10:39	09/26/20 16:40	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	5.0	1	09/26/20 10:39	09/26/20 16:40	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	5.0	1	09/26/20 10:39	09/26/20 16:40	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	5.0	1	09/26/20 10:39	09/26/20 16:40	79-00-5	
Trichloroethene	ND	ug/kg	5.0	1	09/26/20 10:39	09/26/20 16:40	79-01-6	
Trichlorofluoromethane	ND	ug/kg	5.0	1	09/26/20 10:39	09/26/20 16:40	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	5.0	1	09/26/20 10:39	09/26/20 16:40	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/kg	5.0	1	09/26/20 10:39	09/26/20 16:40	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	5.0	1	09/26/20 10:39	09/26/20 16:40	108-67-8	
Vinyl chloride	ND	ug/kg	5.0	1	09/26/20 10:39	09/26/20 16:40	75-01-4	
Xylene (Total)	ND	ug/kg	5.0	1	09/26/20 10:39	09/26/20 16:40	1330-20-7	
Surrogates								
Toluene-d8 (S)	102	%	80-120	1	09/26/20 10:39	09/26/20 16:40	2037-26-5	
4-Bromofluorobenzene (S)	96	%	85-115	1	09/26/20 10:39	09/26/20 16:40	460-00-4	
1,2-Dichloroethane-d4 (S)	96	%	78-118	1	09/26/20 10:39	09/26/20 16:40	17060-07-0	

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: PINE LAWN

Pace Project No.: 60349352

QC Batch: 679970

Analysis Method: EPA 7471

QC Batch Method: EPA 7471

Analysis Description: 7471 Mercury

Laboratory: Pace Analytical Services - Kansas City

Associated Lab Samples: 60349352001, 60349352002

METHOD BLANK: 2748882

Matrix: Solid

Associated Lab Samples: 60349352001, 60349352002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury	mg/kg	ND	0.050	10/01/20 12:26	

LABORATORY CONTROL SAMPLE: 2748883

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	mg/kg	0.5	0.52	104	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2748884 2748885

Parameter	Units	60349230001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	mg/kg	ND	0.53	0.52	0.58	0.53	102	96	75-125	8	20	

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

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: PINE LAWN

Pace Project No.: 60349352

QC Batch: 679971

Analysis Method: EPA 7471

QC Batch Method: EPA 7471

Analysis Description: 7471 Mercury

Laboratory: Pace Analytical Services - Kansas City

Associated Lab Samples: 60349352003, 60349352004, 60349352005, 60349352006

METHOD BLANK: 2748886

Matrix: Solid

Associated Lab Samples: 60349352003, 60349352004, 60349352005, 60349352006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury	mg/kg	ND	0.050	10/01/20 13:30	

LABORATORY CONTROL SAMPLE: 2748887

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	mg/kg	0.5	0.45	91	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2748888 2748889

Parameter	Units	60349352003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	mg/kg	ND	0.58	0.58	0.56	0.64	93	106	75-125	13	20	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: PINE LAWN
Pace Project No.: 60349352

QC Batch: 680402 Analysis Method: EPA 6010
QC Batch Method: EPA 3050 Analysis Description: 6010 MET
Laboratory: Pace Analytical Services - Kansas City
Associated Lab Samples: 60349352001, 60349352002, 60349352003, 60349352004, 60349352005, 60349352006

METHOD BLANK: 2750588 Matrix: Solid
Associated Lab Samples: 60349352001, 60349352002, 60349352003, 60349352004, 60349352005, 60349352006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Arsenic	mg/kg	ND	1.0	10/05/20 20:10	
Barium	mg/kg	ND	0.50	10/05/20 20:10	
Cadmium	mg/kg	ND	0.50	10/05/20 20:10	
Chromium	mg/kg	ND	0.50	10/05/20 20:10	
Lead	mg/kg	ND	1.0	10/05/20 20:10	
Selenium	mg/kg	ND	1.5	10/05/20 20:10	
Silver	mg/kg	ND	0.70	10/05/20 20:10	

LABORATORY CONTROL SAMPLE: 2750589

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Arsenic	mg/kg	100	98.5	98	80-120	
Barium	mg/kg	100	104	104	80-120	
Cadmium	mg/kg	100	95.9	96	80-120	
Chromium	mg/kg	100	102	102	80-120	
Lead	mg/kg	100	106	106	80-120	
Selenium	mg/kg	100	91.8	92	80-120	
Silver	mg/kg	50	51.5	103	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2750590 2750591

Parameter	Units	60349310001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Arsenic	mg/kg	8.8	92.7	94.2	87.0	89.8	84	86	75-125	3	20	
Barium	mg/kg	515	92.7	94.2	658	1070	155	586	75-125	47	20 M1,R1	
Cadmium	mg/kg	0.66	92.7	94.2	78.0	75.8	83	80	75-125	3	20 E	
Chromium	mg/kg	35.6	92.7	94.2	130	141	102	112	75-125	8	20 E	
Lead	mg/kg	20.1	92.7	94.2	103	108	90	93	75-125	4	20 E	
Selenium	mg/kg	ND	92.7	94.2	73.7	70.6	80	75	75-125	4	20 E	
Silver	mg/kg	ND	46.4	47.1	42.0	42.0	89	88	75-125	0	20 E	

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QUALITY CONTROL DATA

Project: PINE LAWN

Pace Project No.: 60349352

QC Batch: 679165

Analysis Method: EPA 8260B

QC Batch Method: EPA 5035A/5030

Analysis Description: 8260 MSV 5035A Volatile Organics

Laboratory: Pace Analytical Services - Kansas City

Associated Lab Samples: 60349352007

METHOD BLANK: 2746317

Matrix: Solid

Associated Lab Samples: 60349352007

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	ND	5.0	09/26/20 11:27	
1,1,1-Trichloroethane	ug/kg	ND	5.0	09/26/20 11:27	
1,1,2,2-Tetrachloroethane	ug/kg	ND	5.0	09/26/20 11:27	
1,1,2-Trichloroethane	ug/kg	ND	5.0	09/26/20 11:27	
1,1-Dichloroethane	ug/kg	ND	5.0	09/26/20 11:27	
1,1-Dichloroethene	ug/kg	ND	5.0	09/26/20 11:27	
1,1-Dichloropropene	ug/kg	ND	5.0	09/26/20 11:27	
1,2,3-Trichlorobenzene	ug/kg	ND	5.0	09/26/20 11:27	
1,2,3-Trichloropropane	ug/kg	ND	5.0	09/26/20 11:27	
1,2,4-Trichlorobenzene	ug/kg	ND	5.0	09/26/20 11:27	
1,2,4-Trimethylbenzene	ug/kg	ND	5.0	09/26/20 11:27	
1,2-Dibromo-3-chloropropane	ug/kg	ND	10.0	09/26/20 11:27	
1,2-Dibromoethane (EDB)	ug/kg	ND	5.0	09/26/20 11:27	
1,2-Dichlorobenzene	ug/kg	ND	5.0	09/26/20 11:27	
1,2-Dichloroethane	ug/kg	ND	5.0	09/26/20 11:27	
1,2-Dichloroethene (Total)	ug/kg	ND	5.0	09/26/20 11:27	
1,2-Dichloropropane	ug/kg	ND	5.0	09/26/20 11:27	
1,3,5-Trimethylbenzene	ug/kg	ND	5.0	09/26/20 11:27	
1,3-Dichlorobenzene	ug/kg	ND	5.0	09/26/20 11:27	
1,3-Dichloropropane	ug/kg	ND	5.0	09/26/20 11:27	
1,4-Dichlorobenzene	ug/kg	ND	5.0	09/26/20 11:27	
2,2-Dichloropropane	ug/kg	ND	5.0	09/26/20 11:27	
2-Butanone (MEK)	ug/kg	ND	10.0	09/26/20 11:27	
2-Chlorotoluene	ug/kg	ND	5.0	09/26/20 11:27	
2-Hexanone	ug/kg	ND	20.0	09/26/20 11:27	
4-Chlorotoluene	ug/kg	ND	5.0	09/26/20 11:27	
4-Methyl-2-pentanone (MIBK)	ug/kg	ND	10.0	09/26/20 11:27	
Acetone	ug/kg	ND	20.0	09/26/20 11:27	
Benzene	ug/kg	ND	5.0	09/26/20 11:27	
Bromobenzene	ug/kg	ND	5.0	09/26/20 11:27	
Bromochloromethane	ug/kg	ND	5.0	09/26/20 11:27	
Bromodichloromethane	ug/kg	ND	5.0	09/26/20 11:27	
Bromoform	ug/kg	ND	5.0	09/26/20 11:27	
Bromomethane	ug/kg	ND	5.0	09/26/20 11:27	
Carbon disulfide	ug/kg	ND	5.0	09/26/20 11:27	
Carbon tetrachloride	ug/kg	ND	5.0	09/26/20 11:27	
Chlorobenzene	ug/kg	ND	5.0	09/26/20 11:27	
Chloroethane	ug/kg	ND	5.0	09/26/20 11:27	
Chloroform	ug/kg	ND	5.0	09/26/20 11:27	
Chloromethane	ug/kg	ND	5.0	09/26/20 11:27	

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QUALITY CONTROL DATA

Project: PINE LAWN

Pace Project No.: 60349352

METHOD BLANK: 2746317

Matrix: Solid

Associated Lab Samples: 60349352007

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
cis-1,2-Dichloroethene	ug/kg	ND	5.0	09/26/20 11:27	
cis-1,3-Dichloropropene	ug/kg	ND	5.0	09/26/20 11:27	
Dibromochloromethane	ug/kg	ND	5.0	09/26/20 11:27	
Dibromomethane	ug/kg	ND	5.0	09/26/20 11:27	
Dichlorodifluoromethane	ug/kg	ND	5.0	09/26/20 11:27	
Ethylbenzene	ug/kg	ND	5.0	09/26/20 11:27	
Hexachloro-1,3-butadiene	ug/kg	ND	5.0	09/26/20 11:27	
Isopropylbenzene (Cumene)	ug/kg	ND	5.0	09/26/20 11:27	
Methyl-tert-butyl ether	ug/kg	ND	5.0	09/26/20 11:27	
Methylene Chloride	ug/kg	ND	5.0	09/26/20 11:27	
n-Butylbenzene	ug/kg	ND	5.0	09/26/20 11:27	
n-Propylbenzene	ug/kg	ND	5.0	09/26/20 11:27	
Naphthalene	ug/kg	ND	10.0	09/26/20 11:27	
p-Isopropyltoluene	ug/kg	ND	5.0	09/26/20 11:27	
sec-Butylbenzene	ug/kg	ND	5.0	09/26/20 11:27	
Styrene	ug/kg	ND	5.0	09/26/20 11:27	
tert-Butylbenzene	ug/kg	ND	25.0	09/26/20 11:27	
Tetrachloroethene	ug/kg	ND	5.0	09/26/20 11:27	
Toluene	ug/kg	ND	5.0	09/26/20 11:27	
trans-1,2-Dichloroethene	ug/kg	ND	5.0	09/26/20 11:27	
trans-1,3-Dichloropropene	ug/kg	ND	5.0	09/26/20 11:27	
Trichloroethene	ug/kg	ND	5.0	09/26/20 11:27	
Trichlorofluoromethane	ug/kg	ND	5.0	09/26/20 11:27	
Vinyl chloride	ug/kg	ND	5.0	09/26/20 11:27	
Xylene (Total)	ug/kg	ND	5.0	09/26/20 11:27	
1,2-Dichloroethane-d4 (S)	%	97	78-118	09/26/20 11:27	
4-Bromofluorobenzene (S)	%	96	85-115	09/26/20 11:27	
Toluene-d8 (S)	%	103	80-120	09/26/20 11:27	

LABORATORY CONTROL SAMPLE: 2746318

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	100	112	112	84-125	
1,1,1-Trichloroethane	ug/kg	100	107	107	81-121	
1,1,2,2-Tetrachloroethane	ug/kg	100	99.3	99	76-121	
1,1,2-Trichloroethane	ug/kg	100	107	107	83-118	
1,1-Dichloroethane	ug/kg	100	107	107	74-120	
1,1-Dichloroethene	ug/kg	100	105	105	71-124	
1,1-Dichloropropene	ug/kg	100	94.2	94	73-123	
1,2,3-Trichlorobenzene	ug/kg	100	111	111	81-123	
1,2,3-Trichloropropane	ug/kg	100	103	103	81-116	
1,2,4-Trichlorobenzene	ug/kg	100	113	113	79-126	
1,2,4-Trimethylbenzene	ug/kg	100	108	108	79-121	
1,2-Dibromo-3-chloropropane	ug/kg	100	99.8	100	74-125	

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QUALITY CONTROL DATA

Project: PINE LAWN

Pace Project No.: 60349352

LABORATORY CONTROL SAMPLE: 2746318

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dibromoethane (EDB)	ug/kg	100	109	109	64-137	
1,2-Dichlorobenzene	ug/kg	100	108	108	83-119	
1,2-Dichloroethane	ug/kg	100	94.9	95	58-128	
1,2-Dichloroethene (Total)	ug/kg	200	212	106	82-117	
1,2-Dichloropropane	ug/kg	100	101	101	77-122	
1,3,5-Trimethylbenzene	ug/kg	100	109	109	81-122	
1,3-Dichlorobenzene	ug/kg	100	109	109	83-119	
1,3-Dichloropropane	ug/kg	100	105	105	83-118	
1,4-Dichlorobenzene	ug/kg	100	102	102	83-116	
2,2-Dichloropropane	ug/kg	100	105	105	76-124	
2-Butanone (MEK)	ug/kg	500	475	95	63-122	
2-Chlorotoluene	ug/kg	100	105	105	79-119	
2-Hexanone	ug/kg	500	493	99	68-122	
4-Chlorotoluene	ug/kg	100	108	108	84-119	
4-Methyl-2-pentanone (MIBK)	ug/kg	500	488	98	63-128	
Acetone	ug/kg	500	463	93	55-124	
Benzene	ug/kg	100	99.7	100	67-126	
Bromobenzene	ug/kg	100	107	107	85-117	
Bromochloromethane	ug/kg	100	108	108	78-122	
Bromodichloromethane	ug/kg	100	106	106	82-120	
Bromoform	ug/kg	100	122	122	77-133	
Bromomethane	ug/kg	100	82.6	83	20-168	
Carbon disulfide	ug/kg	100	116	116	60-133	
Carbon tetrachloride	ug/kg	100	116	116	79-128	
Chlorobenzene	ug/kg	100	109	109	84-118	
Chloroethane	ug/kg	100	89.1	89	53-139	
Chloroform	ug/kg	100	103	103	82-120	
Chloromethane	ug/kg	100	55.6	56	33-143	
cis-1,2-Dichloroethene	ug/kg	100	104	104	83-117	
cis-1,3-Dichloropropene	ug/kg	100	102	102	80-122	
Dibromochloromethane	ug/kg	100	119	119	82-128	
Dibromomethane	ug/kg	100	104	104	82-119	
Dichlorodifluoromethane	ug/kg	100	32.2	32	12-159	
Ethylbenzene	ug/kg	100	108	108	69-127	
Hexachloro-1,3-butadiene	ug/kg	100	116	116	77-133	
Isopropylbenzene (Cumene)	ug/kg	100	109	109	83-122	
Methyl-tert-butyl ether	ug/kg	100	101	101	58-137	
Methylene Chloride	ug/kg	100	96.6	97	68-125	
n-Butylbenzene	ug/kg	100	116	116	73-131	
n-Propylbenzene	ug/kg	100	110	110	82-122	
Naphthalene	ug/kg	100	112	112	60-136	
p-Isopropyltoluene	ug/kg	100	101	101	74-129	
sec-Butylbenzene	ug/kg	100	121	121	71-133	
Styrene	ug/kg	100	113	113	84-121	
tert-Butylbenzene	ug/kg	100	109	109	81-122	
Tetrachloroethene	ug/kg	100	117	117	78-130	
Toluene	ug/kg	100	105	105	80-118	

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QUALITY CONTROL DATA

Project: PINE LAWN

Pace Project No.: 60349352

LABORATORY CONTROL SAMPLE: 2746318

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
trans-1,2-Dichloroethene	ug/kg	100	108	108	78-118	
trans-1,3-Dichloropropene	ug/kg	100	112	112	81-123	
Trichloroethene	ug/kg	100	110	110	78-127	
Trichlorofluoromethane	ug/kg	100	106	106	64-133	
Vinyl chloride	ug/kg	100	70.2	70	45-139	
Xylene (Total)	ug/kg	300	324	108	69-130	
1,2-Dichloroethane-d4 (S)	%			95	78-118	
4-Bromofluorobenzene (S)	%			95	85-115	
Toluene-d8 (S)	%			103	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2746319 2746320

Parameter	Units	60348965021 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,1,1,2-Tetrachloroethane	ug/kg	ND	148	149	117	117	79	78	13-133	1	39	
1,1,1-Trichloroethane	ug/kg	ND	148	149	111	107	75	72	30-131	4	28	
1,1,2,2-Tetrachloroethane	ug/kg	ND	148	149	106	112	72	75	10-139	5	49	
1,1,2-Trichloroethane	ug/kg	ND	148	149	112	113	76	76	10-145	1	41	
1,1-Dichloroethane	ug/kg	ND	148	149	92.2	89.0	62	60	24-125	3	31	
1,1-Dichloroethene	ug/kg	ND	148	149	92.5	88.8	63	60	34-118	4	30	
1,1-Dichloropropene	ug/kg	ND	148	149	110	105	74	70	29-116	5	30	
1,2,3-Trichlorobenzene	ug/kg	ND	148	149	113	112	76	75	10-115	1	40	
1,2,3-Trichloropropane	ug/kg	ND	148	149	109	115	74	78	10-150	5	46	
1,2,4-Trichlorobenzene	ug/kg	ND	148	149	114	112	77	76	10-115	2	44	
1,2,4-Trimethylbenzene	ug/kg	ND	148	149	111	109	75	73	10-123	2	37	
1,2-Dibromo-3-chloropropane	ug/kg	ND	148	149	106	114	72	77	10-136	7	42	
1,2-Dibromoethane (EDB)	ug/kg	ND	148	149	113	115	76	78	24-149	2	29	
1,2-Dichlorobenzene	ug/kg	ND	148	149	110	109	74	73	10-123	1	41	
1,2-Dichloroethane	ug/kg	ND	148	149	98.2	97.8	66	66	23-140	0	29	
1,2-Dichloroethene (Total)	ug/kg	ND	296	297	210	203	71	68	30-119	4	32	
1,2-Dichloropropane	ug/kg	ND	148	149	107	103	72	70	13-132	3	33	
1,3,5-Trimethylbenzene	ug/kg	ND	148	149	112	110	76	74	10-124	2	40	
1,3-Dichlorobenzene	ug/kg	ND	148	149	113	110	76	74	10-122	3	42	
1,3-Dichloropropane	ug/kg	ND	148	149	110	111	74	74	10-135	1	36	
1,4-Dichlorobenzene	ug/kg	ND	148	149	111	110	75	74	10-120	1	38	
2,2-Dichloropropane	ug/kg	ND	148	149	105	102	71	68	22-135	4	31	
2-Butanone (MEK)	ug/kg	ND	739	744	482	542	65	73	12-127	12	37	
2-Chlorotoluene	ug/kg	ND	148	149	110	107	74	72	10-126	3	38	
2-Hexanone	ug/kg	ND	739	744	516	561	70	75	10-135	8	37	
4-Chlorotoluene	ug/kg	ND	148	149	112	109	76	73	10-129	3	40	
4-Methyl-2-pentanone (MIBK)	ug/kg	ND	739	744	502	541	68	73	10-129	7	36	
Acetone	ug/kg	ND	739	744	444	511	59	68	10-143	14	34	
Benzene	ug/kg	ND	148	149	106	101	71	68	37-135	4	24	
Bromobenzene	ug/kg	ND	148	149	112	110	76	74	10-134	2	45	

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QUALITY CONTROL DATA

Project: PINE LAWN

Pace Project No.: 60349352

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2746319 2746320											
Parameter	Units	60348965021 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	Max RPD	Qual
Bromochloromethane	ug/kg	ND	148	149	112	109	76	73	17-129	3	34
Bromodichloromethane	ug/kg	ND	148	149	113	111	77	75	12-130	2	33
Bromoform	ug/kg	ND	148	149	123	127	83	85	10-135	3	39
Bromomethane	ug/kg	ND	148	149	66.6	60.6	45	41	10-124	9	41
Carbon disulfide	ug/kg	ND	148	149	79.3	76.0	54	51	17-116	4	28
Carbon tetrachloride	ug/kg	ND	148	149	116	111	79	75	29-127	4	35
Chlorobenzene	ug/kg	ND	148	149	117	115	79	77	10-133	2	33
Chloroethane	ug/kg	ND	148	149	69.3	65.9	47	44	25-116	5	33
Chloroform	ug/kg	ND	148	149	110	108	75	73	20-130	2	30
Chloromethane	ug/kg	ND	148	149	41.8	39.9	28	27	10-113	5	31
cis-1,2-Dichloroethene	ug/kg	ND	148	149	107	103	72	70	22-126	3	31
cis-1,3-Dichloropropene	ug/kg	ND	148	149	110	107	74	72	10-125	3	34
Dibromochloromethane	ug/kg	ND	148	149	119	120	81	81	10-138	0	38
Dibromomethane	ug/kg	ND	148	149	110	111	75	75	13-129	1	38
Dichlorodifluoromethane	ug/kg	ND	148	149	28.9	27.0	20	18	10-114	7	33
Ethylbenzene	ug/kg	ND	148	149	117	115	79	77	31-142	2	25
Hexachloro-1,3-butadiene	ug/kg	ND	148	149	119	116	81	78	10-124	3	41
Isopropylbenzene (Cumene)	ug/kg	ND	148	149	120	118	81	79	17-120	2	34
Methyl-tert-butyl ether	ug/kg	ND	148	149	95.5	96.2	65	65	30-143	1	28
Methylene Chloride	ug/kg	ND	148	149	91.8	90.3	62	61	24-121	2	33
n-Butylbenzene	ug/kg	ND	148	149	114	111	77	75	10-121	3	36
n-Propylbenzene	ug/kg	ND	148	149	114	113	77	76	12-125	1	37
Naphthalene	ug/kg	ND	148	149	115	119	78	80	10-156	4	34
p-Isopropyltoluene	ug/kg	ND	148	149	114	112	77	75	10-119	2	37
sec-Butylbenzene	ug/kg	ND	148	149	115	112	78	75	10-127	2	40
Styrene	ug/kg	ND	148	149	116	114	78	77	10-124	1	37
tert-Butylbenzene	ug/kg	ND	148	149	114	112	77	75	10-126	2	37
Tetrachloroethene	ug/kg	ND	148	149	124	120	84	80	15-133	4	36
Toluene	ug/kg	ND	148	149	112	109	76	73	40-137	3	25
trans-1,2-Dichloroethene	ug/kg	ND	148	149	103	99.2	70	67	22-129	4	34
trans-1,3-Dichloropropene	ug/kg	ND	148	149	110	110	75	74	10-130	0	35
Trichloroethene	ug/kg	ND	148	149	115	111	78	75	19-135	4	34
Trichlorofluoromethane	ug/kg	ND	148	149	83.3	80.7	56	54	16-132	3	28
Vinyl chloride	ug/kg	ND	148	149	52.7	49.6	36	33	14-116	6	28
Xylene (Total)	ug/kg	ND	443	446	344	337	77	75	19-153	2	27
1,2-Dichloroethane-d4 (S)	%						102	102	78-118		
4-Bromofluorobenzene (S)	%						95	96	85-115		
Toluene-d8 (S)	%						102	102	80-120		

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QUALITY CONTROL DATA

Project: PINE LAWN

Pace Project No.: 60349352

QC Batch: 679357

Analysis Method: EPA 8260B

QC Batch Method: EPA 5035A/5030

Analysis Description: 8260 MSV 5035A Volatile Organics

Laboratory: Pace Analytical Services - Kansas City

Associated Lab Samples: 60349352004, 60349352005, 60349352006

METHOD BLANK: 2747075

Matrix: Solid

Associated Lab Samples: 60349352004, 60349352005, 60349352006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	ND	5.0	09/28/20 20:56	
1,1,1-Trichloroethane	ug/kg	ND	5.0	09/28/20 20:56	
1,1,2,2-Tetrachloroethane	ug/kg	ND	5.0	09/28/20 20:56	
1,1,2-Trichloroethane	ug/kg	ND	5.0	09/28/20 20:56	
1,1-Dichloroethane	ug/kg	ND	5.0	09/28/20 20:56	
1,1-Dichloroethene	ug/kg	ND	5.0	09/28/20 20:56	
1,1-Dichloropropene	ug/kg	ND	5.0	09/28/20 20:56	
1,2,3-Trichlorobenzene	ug/kg	ND	5.0	09/28/20 20:56	
1,2,3-Trichloropropane	ug/kg	ND	5.0	09/28/20 20:56	
1,2,4-Trichlorobenzene	ug/kg	ND	5.0	09/28/20 20:56	
1,2,4-Trimethylbenzene	ug/kg	ND	5.0	09/28/20 20:56	
1,2-Dibromo-3-chloropropane	ug/kg	ND	10.0	09/28/20 20:56	
1,2-Dibromoethane (EDB)	ug/kg	ND	5.0	09/28/20 20:56	
1,2-Dichlorobenzene	ug/kg	ND	5.0	09/28/20 20:56	
1,2-Dichloroethane	ug/kg	ND	5.0	09/28/20 20:56	
1,2-Dichloroethene (Total)	ug/kg	ND	5.0	09/28/20 20:56	
1,2-Dichloropropane	ug/kg	ND	5.0	09/28/20 20:56	
1,3,5-Trimethylbenzene	ug/kg	ND	5.0	09/28/20 20:56	
1,3-Dichlorobenzene	ug/kg	ND	5.0	09/28/20 20:56	
1,3-Dichloropropane	ug/kg	ND	5.0	09/28/20 20:56	
1,4-Dichlorobenzene	ug/kg	ND	5.0	09/28/20 20:56	
2,2-Dichloropropane	ug/kg	ND	5.0	09/28/20 20:56	
2-Butanone (MEK)	ug/kg	ND	10.0	09/28/20 20:56	
2-Chlorotoluene	ug/kg	ND	5.0	09/28/20 20:56	
2-Hexanone	ug/kg	ND	20.0	09/28/20 20:56	
4-Chlorotoluene	ug/kg	ND	5.0	09/28/20 20:56	
4-Methyl-2-pentanone (MIBK)	ug/kg	ND	10.0	09/28/20 20:56	
Acetone	ug/kg	ND	20.0	09/28/20 20:56	
Benzene	ug/kg	ND	5.0	09/28/20 20:56	
Bromobenzene	ug/kg	ND	5.0	09/28/20 20:56	
Bromochloromethane	ug/kg	ND	5.0	09/28/20 20:56	
Bromodichloromethane	ug/kg	ND	5.0	09/28/20 20:56	
Bromoform	ug/kg	ND	5.0	09/28/20 20:56	
Bromomethane	ug/kg	ND	5.0	09/28/20 20:56	
Carbon disulfide	ug/kg	ND	5.0	09/28/20 20:56	
Carbon tetrachloride	ug/kg	ND	5.0	09/28/20 20:56	
Chlorobenzene	ug/kg	ND	5.0	09/28/20 20:56	
Chloroethane	ug/kg	ND	5.0	09/28/20 20:56	
Chloroform	ug/kg	ND	5.0	09/28/20 20:56	
Chloromethane	ug/kg	ND	5.0	09/28/20 20:56	

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QUALITY CONTROL DATA

Project: PINE LAWN

Pace Project No.: 60349352

METHOD BLANK: 2747075

Matrix: Solid

Associated Lab Samples: 60349352004, 60349352005, 60349352006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
cis-1,2-Dichloroethene	ug/kg	ND	5.0	09/28/20 20:56	
cis-1,3-Dichloropropene	ug/kg	ND	5.0	09/28/20 20:56	
Dibromochloromethane	ug/kg	ND	5.0	09/28/20 20:56	
Dibromomethane	ug/kg	ND	5.0	09/28/20 20:56	
Dichlorodifluoromethane	ug/kg	ND	5.0	09/28/20 20:56	
Ethylbenzene	ug/kg	ND	5.0	09/28/20 20:56	
Hexachloro-1,3-butadiene	ug/kg	ND	5.0	09/28/20 20:56	
Isopropylbenzene (Cumene)	ug/kg	ND	5.0	09/28/20 20:56	
Methyl-tert-butyl ether	ug/kg	ND	5.0	09/28/20 20:56	
Methylene Chloride	ug/kg	ND	5.0	09/28/20 20:56	
n-Butylbenzene	ug/kg	ND	5.0	09/28/20 20:56	
n-Propylbenzene	ug/kg	ND	5.0	09/28/20 20:56	
Naphthalene	ug/kg	ND	10.0	09/28/20 20:56	
p-Isopropyltoluene	ug/kg	ND	5.0	09/28/20 20:56	
sec-Butylbenzene	ug/kg	ND	5.0	09/28/20 20:56	
Styrene	ug/kg	ND	5.0	09/28/20 20:56	
tert-Butylbenzene	ug/kg	ND	25.0	09/28/20 20:56	
Tetrachloroethene	ug/kg	ND	5.0	09/28/20 20:56	
Toluene	ug/kg	ND	5.0	09/28/20 20:56	
trans-1,2-Dichloroethene	ug/kg	ND	5.0	09/28/20 20:56	
trans-1,3-Dichloropropene	ug/kg	ND	5.0	09/28/20 20:56	
Trichloroethene	ug/kg	ND	5.0	09/28/20 20:56	
Trichlorofluoromethane	ug/kg	ND	5.0	09/28/20 20:56	
Vinyl chloride	ug/kg	ND	5.0	09/28/20 20:56	
Xylene (Total)	ug/kg	ND	5.0	09/28/20 20:56	
1,2-Dichloroethane-d4 (S)	%	94	78-118	09/28/20 20:56	
4-Bromofluorobenzene (S)	%	97	85-115	09/28/20 20:56	
Toluene-d8 (S)	%	102	80-120	09/28/20 20:56	

LABORATORY CONTROL SAMPLE: 2747076

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	100	110	110	84-125	
1,1,1-Trichloroethane	ug/kg	100	98.0	98	81-121	
1,1,2,2-Tetrachloroethane	ug/kg	100	96.5	97	76-121	
1,1,2-Trichloroethane	ug/kg	100	108	108	83-118	
1,1-Dichloroethane	ug/kg	100	111	111	74-120	
1,1-Dichloroethene	ug/kg	100	106	106	71-124	
1,1-Dichloropropene	ug/kg	100	87.9	88	73-123	
1,2,3-Trichlorobenzene	ug/kg	100	106	106	81-123	
1,2,3-Trichloropropane	ug/kg	100	104	104	81-116	
1,2,4-Trichlorobenzene	ug/kg	100	103	103	79-126	
1,2,4-Trimethylbenzene	ug/kg	100	99.1	99	79-121	
1,2-Dibromo-3-chloropropane	ug/kg	100	97.0	97	74-125	

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QUALITY CONTROL DATA

Project: PINE LAWN

Pace Project No.: 60349352

LABORATORY CONTROL SAMPLE: 2747076

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dibromoethane (EDB)	ug/kg	100	111	111	64-137	
1,2-Dichlorobenzene	ug/kg	100	104	104	83-119	
1,2-Dichloroethane	ug/kg	100	98.5	98	58-128	
1,2-Dichloroethene (Total)	ug/kg	200	211	105	82-117	
1,2-Dichloropropane	ug/kg	100	102	102	77-122	
1,3,5-Trimethylbenzene	ug/kg	100	99.2	99	81-122	
1,3-Dichlorobenzene	ug/kg	100	103	103	83-119	
1,3-Dichloropropane	ug/kg	100	108	108	83-118	
1,4-Dichlorobenzene	ug/kg	100	97.6	98	83-116	
2,2-Dichloropropane	ug/kg	100	92.7	93	76-124	
2-Butanone (MEK)	ug/kg	500	478	96	63-122	
2-Chlorotoluene	ug/kg	100	98.8	99	79-119	
2-Hexanone	ug/kg	500	489	98	68-122	
4-Chlorotoluene	ug/kg	100	101	101	84-119	
4-Methyl-2-pentanone (MIBK)	ug/kg	500	485	97	63-128	
Acetone	ug/kg	500	450	90	55-124	
Benzene	ug/kg	100	99.3	99	67-126	
Bromobenzene	ug/kg	100	105	105	85-117	
Bromochloromethane	ug/kg	100	114	114	78-122	
Bromodichloromethane	ug/kg	100	108	108	82-120	
Bromoform	ug/kg	100	121	121	77-133	
Bromomethane	ug/kg	100	96.8	97	20-168	
Carbon disulfide	ug/kg	100	120	120	60-133	
Carbon tetrachloride	ug/kg	100	105	105	79-128	
Chlorobenzene	ug/kg	100	106	106	84-118	
Chloroethane	ug/kg	100	99.4	99	53-139	
Chloroform	ug/kg	100	104	104	82-120	
Chloromethane	ug/kg	100	74.9	75	33-143	
cis-1,2-Dichloroethene	ug/kg	100	105	105	83-117	
cis-1,3-Dichloropropene	ug/kg	100	103	103	80-122	
Dibromochloromethane	ug/kg	100	120	120	82-128	
Dibromomethane	ug/kg	100	109	109	82-119	
Dichlorodifluoromethane	ug/kg	100	59.9	60	12-159	
Ethylbenzene	ug/kg	100	102	102	69-127	
Hexachloro-1,3-butadiene	ug/kg	100	98.5	99	77-133	
Isopropylbenzene (Cumene)	ug/kg	100	99.7	100	83-122	
Methyl-tert-butyl ether	ug/kg	100	102	102	58-137	
Methylene Chloride	ug/kg	100	101	101	68-125	
n-Butylbenzene	ug/kg	100	99.5	100	73-131	
n-Propylbenzene	ug/kg	100	97.7	98	82-122	
Naphthalene	ug/kg	100	110	110	60-136	
p-Isopropyltoluene	ug/kg	100	89.6	90	74-129	
sec-Butylbenzene	ug/kg	100	105	105	71-133	
Styrene	ug/kg	100	110	110	84-121	
tert-Butylbenzene	ug/kg	100	98.0	98	81-122	
Tetrachloroethene	ug/kg	100	106	106	78-130	
Toluene	ug/kg	100	101	101	80-118	

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QUALITY CONTROL DATA

Project: PINE LAWN

Pace Project No.: 60349352

LABORATORY CONTROL SAMPLE: 2747076

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
trans-1,2-Dichloroethene	ug/kg	100	106	106	78-118	
trans-1,3-Dichloropropene	ug/kg	100	109	109	81-123	
Trichloroethene	ug/kg	100	105	105	78-127	
Trichlorofluoromethane	ug/kg	100	108	108	64-133	
Vinyl chloride	ug/kg	100	88.4	88	45-139	
Xylene (Total)	ug/kg	300	306	102	69-130	
1,2-Dichloroethane-d4 (S)	%			96	78-118	
4-Bromofluorobenzene (S)	%			95	85-115	
Toluene-d8 (S)	%			103	80-120	

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QUALITY CONTROL DATA

Project: PINE LAWN

Pace Project No.: 60349352

QC Batch: 679322

Analysis Method: EPA 8260B

QC Batch Method: EPA 5035A/5030B

Analysis Description: 8260 MSV 5035A Volatile Organics

Laboratory: Pace Analytical Services - Kansas City

Associated Lab Samples: 60349352001, 60349352002, 60349352003

METHOD BLANK: 2746917

Matrix: Solid

Associated Lab Samples: 60349352001, 60349352002, 60349352003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	ND	250	09/29/20 02:05	
1,1,1-Trichloroethane	ug/kg	ND	250	09/29/20 02:05	
1,1,2,2-Tetrachloroethane	ug/kg	ND	250	09/29/20 02:05	
1,1,2-Trichloroethane	ug/kg	ND	250	09/29/20 02:05	
1,1-Dichloroethane	ug/kg	ND	250	09/29/20 02:05	
1,1-Dichloroethene	ug/kg	ND	250	09/29/20 02:05	
1,1-Dichloropropene	ug/kg	ND	250	09/29/20 02:05	
1,2,3-Trichlorobenzene	ug/kg	ND	250	09/29/20 02:05	
1,2,3-Trichloropropane	ug/kg	ND	250	09/29/20 02:05	
1,2,4-Trichlorobenzene	ug/kg	ND	250	09/29/20 02:05	
1,2,4-Trimethylbenzene	ug/kg	ND	250	09/29/20 02:05	
1,2-Dibromo-3-chloropropane	ug/kg	ND	500	09/29/20 02:05	
1,2-Dibromoethane (EDB)	ug/kg	ND	250	09/29/20 02:05	
1,2-Dichlorobenzene	ug/kg	ND	250	09/29/20 02:05	
1,2-Dichloroethane	ug/kg	ND	250	09/29/20 02:05	
1,2-Dichloroethene (Total)	ug/kg	ND	250	09/29/20 02:05	
1,2-Dichloropropane	ug/kg	ND	250	09/29/20 02:05	
1,3,5-Trimethylbenzene	ug/kg	ND	250	09/29/20 02:05	
1,3-Dichlorobenzene	ug/kg	ND	250	09/29/20 02:05	
1,3-Dichloropropane	ug/kg	ND	250	09/29/20 02:05	
1,4-Dichlorobenzene	ug/kg	ND	250	09/29/20 02:05	
2,2-Dichloropropane	ug/kg	ND	250	09/29/20 02:05	
2-Butanone (MEK)	ug/kg	ND	500	09/29/20 02:05	
2-Chlorotoluene	ug/kg	ND	250	09/29/20 02:05	
2-Hexanone	ug/kg	ND	1000	09/29/20 02:05	
4-Chlorotoluene	ug/kg	ND	250	09/29/20 02:05	
4-Methyl-2-pentanone (MIBK)	ug/kg	ND	500	09/29/20 02:05	
Acetone	ug/kg	ND	1000	09/29/20 02:05	
Benzene	ug/kg	ND	250	09/29/20 02:05	
Bromobenzene	ug/kg	ND	250	09/29/20 02:05	
Bromochloromethane	ug/kg	ND	250	09/29/20 02:05	
Bromodichloromethane	ug/kg	ND	250	09/29/20 02:05	
Bromoform	ug/kg	ND	250	09/29/20 02:05	
Bromomethane	ug/kg	ND	250	09/29/20 02:05	
Carbon disulfide	ug/kg	ND	250	09/29/20 02:05	
Carbon tetrachloride	ug/kg	ND	250	09/29/20 02:05	
Chlorobenzene	ug/kg	ND	250	09/29/20 02:05	
Chloroethane	ug/kg	ND	250	09/29/20 02:05	
Chloroform	ug/kg	ND	250	09/29/20 02:05	
Chloromethane	ug/kg	ND	250	09/29/20 02:05	

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QUALITY CONTROL DATA

Project: PINE LAWN

Pace Project No.: 60349352

METHOD BLANK: 2746917

Matrix: Solid

Associated Lab Samples: 60349352001, 60349352002, 60349352003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
cis-1,2-Dichloroethene	ug/kg	ND	250	09/29/20 02:05	
cis-1,3-Dichloropropene	ug/kg	ND	250	09/29/20 02:05	
Dibromochloromethane	ug/kg	ND	250	09/29/20 02:05	
Dibromomethane	ug/kg	ND	250	09/29/20 02:05	
Dichlorodifluoromethane	ug/kg	ND	250	09/29/20 02:05	
Ethylbenzene	ug/kg	ND	250	09/29/20 02:05	
Hexachloro-1,3-butadiene	ug/kg	ND	250	09/29/20 02:05	
Isopropylbenzene (Cumene)	ug/kg	ND	250	09/29/20 02:05	
Methyl-tert-butyl ether	ug/kg	ND	250	09/29/20 02:05	
Methylene Chloride	ug/kg	ND	250	09/29/20 02:05	
n-Butylbenzene	ug/kg	ND	250	09/29/20 02:05	
n-Propylbenzene	ug/kg	ND	250	09/29/20 02:05	
Naphthalene	ug/kg	ND	500	09/29/20 02:05	
p-Isopropyltoluene	ug/kg	ND	250	09/29/20 02:05	
sec-Butylbenzene	ug/kg	ND	250	09/29/20 02:05	
Styrene	ug/kg	ND	250	09/29/20 02:05	
tert-Butylbenzene	ug/kg	ND	1250	09/29/20 02:05	
Tetrachloroethene	ug/kg	ND	250	09/29/20 02:05	
Toluene	ug/kg	ND	250	09/29/20 02:05	
trans-1,2-Dichloroethene	ug/kg	ND	250	09/29/20 02:05	
trans-1,3-Dichloropropene	ug/kg	ND	250	09/29/20 02:05	
Trichloroethene	ug/kg	ND	250	09/29/20 02:05	
Trichlorofluoromethane	ug/kg	ND	250	09/29/20 02:05	
Vinyl chloride	ug/kg	ND	250	09/29/20 02:05	
Xylene (Total)	ug/kg	ND	250	09/29/20 02:05	
1,2-Dichloroethane-d4 (S)	%	93	78-118	09/29/20 02:05	
4-Bromofluorobenzene (S)	%	96	83-119	09/29/20 02:05	
Toluene-d8 (S)	%	104	80-120	09/29/20 02:05	

LABORATORY CONTROL SAMPLE: 2746918

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	5000	5490	110	80-119	
1,1,1-Trichloroethane	ug/kg	5000	4810	96	77-121	
1,1,2,2-Tetrachloroethane	ug/kg	5000	4980	100	74-116	
1,1,2-Trichloroethane	ug/kg	5000	5470	109	76-115	
1,1-Dichloroethane	ug/kg	5000	4590	92	77-120	
1,1-Dichloroethene	ug/kg	5000	5240	105	66-129	
1,1-Dichloropropene	ug/kg	5000	4240	85	79-121	
1,2,3-Trichlorobenzene	ug/kg	5000	5120	102	80-120	
1,2,3-Trichloropropane	ug/kg	5000	5210	104	74-118	
1,2,4-Trichlorobenzene	ug/kg	5000	4780	96	75-120	
1,2,4-Trimethylbenzene	ug/kg	5000	4850	97	77-116	
1,2-Dibromo-3-chloropropane	ug/kg	5000	5010	100	74-121	

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QUALITY CONTROL DATA

Project: PINE LAWN

Pace Project No.: 60349352

LABORATORY CONTROL SAMPLE: 2746918

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dibromoethane (EDB)	ug/kg	5000	5600	112	80-117	
1,2-Dichlorobenzene	ug/kg	5000	5170	103	48-146	
1,2-Dichloroethane	ug/kg	5000	4880	98	74-110	
1,2-Dichloroethene (Total)	ug/kg	10000	10500	105	79-120	
1,2-Dichloropropane	ug/kg	5000	5030	101	79-115	
1,3,5-Trimethylbenzene	ug/kg	5000	4820	96	76-115	
1,3-Dichlorobenzene	ug/kg	5000	5000	100	76-115	
1,3-Dichloropropane	ug/kg	5000	5390	108	75-111	
1,4-Dichlorobenzene	ug/kg	5000	4700	94	73-119	
2,2-Dichloropropane	ug/kg	5000	4340	87	76-121	
2-Butanone (MEK)	ug/kg	25000	23700	95	70-116	
2-Chlorotoluene	ug/kg	5000	4840	97	78-117	
2-Hexanone	ug/kg	25000	24500	98	71-117	
4-Chlorotoluene	ug/kg	5000	4890	98	77-115	
4-Methyl-2-pentanone (MIBK)	ug/kg	25000	24500	98	73-116	
Acetone	ug/kg	25000	21900	88	60-125	
Benzene	ug/kg	5000	4910	98	73-117	
Bromobenzene	ug/kg	5000	5200	104	79-115	
Bromochloromethane	ug/kg	5000	5730	115	76-116	
Bromodichloromethane	ug/kg	5000	5350	107	80-120	
Bromoform	ug/kg	5000	6010	120	77-127	
Bromomethane	ug/kg	5000	4740	95	29-165	
Carbon disulfide	ug/kg	5000	5980	120	54-133	
Carbon tetrachloride	ug/kg	5000	5090	102	78-126	
Chlorobenzene	ug/kg	5000	5250	105	63-130	
Chloroethane	ug/kg	5000	4810	96	31-170	
Chloroform	ug/kg	5000	5170	103	80-118	
Chloromethane	ug/kg	5000	3470	69	10-168	
cis-1,2-Dichloroethene	ug/kg	5000	5210	104	80-117	
cis-1,3-Dichloropropene	ug/kg	5000	4970	99	80-120	
Dibromochloromethane	ug/kg	5000	5980	120	78-122	
Dibromomethane	ug/kg	5000	5390	108	78-119	
Dichlorodifluoromethane	ug/kg	5000	2630	53	10-206	
Ethylbenzene	ug/kg	5000	4940	99	73-121	
Hexachloro-1,3-butadiene	ug/kg	5000	4600	92	75-129	
Isopropylbenzene (Cumene)	ug/kg	5000	4860	97	74-115	
Methyl-tert-butyl ether	ug/kg	5000	5160	103	73-129	
Methylene Chloride	ug/kg	5000	5070	101	70-128	
n-Butylbenzene	ug/kg	5000	4670	93	78-123	
n-Propylbenzene	ug/kg	5000	4720	94	77-120	
Naphthalene	ug/kg	5000	5500	110	76-120	
p-Isopropyltoluene	ug/kg	5000	4290	86	78-117	
sec-Butylbenzene	ug/kg	5000	5090	102	83-126	
Styrene	ug/kg	5000	5390	108	80-117	
tert-Butylbenzene	ug/kg	5000	4710	94	79-117	
Tetrachloroethene	ug/kg	5000	5140	103	72-122	
Toluene	ug/kg	5000	5030	101	77-119	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: PINE LAWN

Pace Project No.: 60349352

LABORATORY CONTROL SAMPLE: 2746918

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
trans-1,2-Dichloroethene	ug/kg	5000	5300	106	75-123	
trans-1,3-Dichloropropene	ug/kg	5000	5360	107	79-124	
Trichloroethene	ug/kg	5000	5150	103	82-128	
Trichlorofluoromethane	ug/kg	5000	5250	105	56-129	
Vinyl chloride	ug/kg	5000	4220	84	36-176	
Xylene (Total)	ug/kg	15000	14900	99	76-119	
1,2-Dichloroethane-d4 (S)	%			95	78-118	
4-Bromofluorobenzene (S)	%			94	83-119	
Toluene-d8 (S)	%			103	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2746919 2746920

Parameter	Units	60349230005 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,1,1,2-Tetrachloroethane	ug/kg	ND	3410	3410	3090	3350	91	98	12-128	8	59	
1,1,1-Trichloroethane	ug/kg	ND	3410	3410	2770	3060	81	90	15-131	10	75	
1,1,2,2-Tetrachloroethane	ug/kg	ND	3410	3410	3250	3540	95	104	10-132	8	65	
1,1,2-Trichloroethane	ug/kg	ND	3410	3410	3610	3910	106	115	14-132	8	54	
1,1-Dichloroethane	ug/kg	ND	3410	3410	3020	2870	89	84	23-126	5	64	
1,1-Dichloroethene	ug/kg	ND	3410	3410	2670	2990	78	88	20-129	11	80	
1,1-Dichloropropene	ug/kg	ND	3410	3410	2480	2820	73	83	15-127	13	78	
1,2,3-Trichlorobenzene	ug/kg	ND	3410	3410	3180	3450	93	101	10-124	8	67	
1,2,3-Trichloropropane	ug/kg	ND	3410	3410	3300	3610	97	106	19-125	9	51	
1,2,4-Trichlorobenzene	ug/kg	ND	3410	3410	3020	3310	89	97	10-129	9	73	
1,2,4-Trimethylbenzene	ug/kg	ND	3410	3410	2980	3290	87	96	10-124	10	68	
1,2-Dibromo-3-chloropropane	ug/kg	ND	3410	3410	3430	3630	101	107	10-135	6	56	
1,2-Dibromoethane (EDB)	ug/kg	ND	3410	3410	3250	3580	95	105	23-123	10	50	
1,2-Dichlorobenzene	ug/kg	ND	3410	3410	3190	3450	94	101	10-126	8	60	
1,2-Dichloroethane	ug/kg	ND	3410	3410	2870	3160	84	93	27-116	10	45	
1,2-Dichloroethene (Total)	ug/kg	ND	6820	6820	5890	6490	86	95	20-127	10	64	
1,2-Dichloropropane	ug/kg	ND	3410	3410	3030	3380	89	99	21-125	11	57	
1,3,5-Trimethylbenzene	ug/kg	ND	3410	3410	2950	3280	86	96	10-125	11	65	
1,3-Dichlorobenzene	ug/kg	ND	3410	3410	3050	3320	90	97	10-126	8	63	
1,3-Dichloropropane	ug/kg	ND	3410	3410	3100	3380	91	99	24-114	8	51	
1,4-Dichlorobenzene	ug/kg	ND	3410	3410	2930	3180	86	93	10-126	8	62	
2,2-Dichloropropane	ug/kg	ND	3410	3410	2480	2800	73	82	17-124	12	70	
2-Butanone (MEK)	ug/kg	ND	17000	17000	14600	16500	84	95	29-120	12	50	
2-Chlorotoluene	ug/kg	ND	3410	3410	2940	3230	85	94	10-138	9	70	
2-Hexanone	ug/kg	ND	17000	17000	14900	16700	87	98	25-121	12	51	
4-Chlorotoluene	ug/kg	ND	3410	3410	2960	3260	87	96	10-112	10	62	
4-Methyl-2-pentanone (MIBK)	ug/kg	ND	17000	17000	15000	16900	88	99	23-131	12	50	
Acetone	ug/kg	ND	17000	17000	14000	15600	81	91	15-129	11	49	
Benzene	ug/kg	ND	3410	3410	2820	3110	83	91	17-134	10	53	
Bromobenzene	ug/kg	ND	3410	3410	3110	3400	91	100	10-129	9	63	

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QUALITY CONTROL DATA

Project: PINE LAWN

Pace Project No.: 60349352

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2746919 2746920											
Parameter	Units	60349230005 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	Max RPD	Qual
Bromochloromethane	ug/kg	ND	3410	3410	3250	3600	95	106	28-118	10	53
Bromodichloromethane	ug/kg	ND	3410	3410	3170	3480	93	102	21-126	10	59
Bromoform	ug/kg	ND	3410	3410	3330	3600	98	106	14-127	8	60
Bromomethane	ug/kg	ND	3410	3410	1090	1220	31	35	10-121	11	67
Carbon disulfide	ug/kg	ND	3410	3410	2730	3000	80	88	10-122	10	78
Carbon tetrachloride	ug/kg	ND	3410	3410	2790	3110	82	91	10-134	11	82
Chlorobenzene	ug/kg	ND	3410	3410	3020	3330	89	98	10-126	10	60
Chloroethane	ug/kg	ND	3410	3410	732	842	21	25	10-133	14	79
Chloroform	ug/kg	ND	3410	3410	3010	3320	88	97	24-126	10	60
Chloromethane	ug/kg	ND	3410	3410	1320	1380	38	40	10-125	5	78
cis-1,2-Dichloroethene	ug/kg	ND	3410	3410	2980	3270	88	96	18-131	9	62
cis-1,3-Dichloropropene	ug/kg	ND	3410	3410	2900	3200	85	94	24-117	10	60
Dibromochloromethane	ug/kg	ND	3410	3410	3300	3550	97	104	22-117	7	59
Dibromomethane	ug/kg	ND	3410	3410	3170	3470	93	102	29-118	9	52
Dichlorodifluoromethane	ug/kg	ND	3410	3410	745	802	22	24	10-161	7	84
Ethylbenzene	ug/kg	ND	3410	3410	2910	3200	85	93	10-137	10	60
Hexachloro-1,3-butadiene	ug/kg	ND	3410	3410	2860	3180	84	93	10-124	10	76
Isopropylbenzene (Cumene)	ug/kg	353	3410	3410	3260	3620	85	96	10-123	11	72
Methyl-tert-butyl ether	ug/kg	ND	3410	3410	2980	3290	87	96	31-126	10	42
Methylene Chloride	ug/kg	ND	3410	3410	2890	3160	82	90	23-117	9	59
n-Butylbenzene	ug/kg	554	3410	3410	3580	4020	89	102	10-130	11	78
n-Propylbenzene	ug/kg	595	3410	3410	3550	3890	87	97	10-121	9	70
Naphthalene	ug/kg	ND	3410	3410	3560	3870	105	114	10-131	8	63
p-Isopropyltoluene	ug/kg	309	3410	3410	3090	3410	82	91	10-127	10	76
sec-Butylbenzene	ug/kg	318	3410	3410	3440	3810	92	102	10-137	10	81
Styrene	ug/kg	ND	3410	3410	3130	3470	92	102	10-119	10	56
tert-Butylbenzene	ug/kg	ND	3410	3410	2960	3330	86	97	10-121	12	80
Tetrachloroethene	ug/kg	ND	3410	3410	2880	3220	85	94	10-131	11	78
Toluene	ug/kg	ND	3410	3410	2860	3140	84	92	13-131	9	60
trans-1,2-Dichloroethene	ug/kg	ND	3410	3410	2900	3220	85	94	22-125	10	70
trans-1,3-Dichloropropene	ug/kg	ND	3410	3410	3000	3300	88	97	20-122	9	54
Trichloroethene	ug/kg	ND	3410	3410	3020	3380	89	99	14-144	11	69
Trichlorofluoromethane	ug/kg	ND	3410	3410	2650	2940	78	86	10-134	10	86
Vinyl chloride	ug/kg	ND	3410	3410	1460	1620	43	47	10-141	10	81
Xylene (Total)	ug/kg	ND	10200	10200	8720	9650	85	94	10-137	10	58
1,2-Dichloroethane-d4 (S)	%						94	95	78-118		
4-Bromofluorobenzene (S)	%						104	103	83-119		
Toluene-d8 (S)	%						102	100	80-120		

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: PINE LAWN

Pace Project No.: 60349352

QC Batch: 679697

Analysis Method: EPA 8260B

QC Batch Method: EPA 5035A/5030B

Analysis Description: 8260 MSV 5035A Volatile Organics

Laboratory: Pace Analytical Services - Kansas City

Associated Lab Samples: 60349352006

METHOD BLANK: 2748116

Matrix: Solid

Associated Lab Samples: 60349352006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
cis-1,2-Dichloroethene	ug/kg	ND	250	09/29/20 16:18	
Trichloroethene	ug/kg	ND	250	09/29/20 16:18	
1,2-Dichloroethane-d4 (S)	%	95	78-118	09/29/20 16:18	
4-Bromofluorobenzene (S)	%	96	83-119	09/29/20 16:18	
Toluene-d8 (S)	%	102	80-120	09/29/20 16:18	

LABORATORY CONTROL SAMPLE: 2748117

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
cis-1,2-Dichloroethene	ug/kg	5000	4830	97	80-117	
Trichloroethene	ug/kg	5000	5130	103	82-128	
1,2-Dichloroethane-d4 (S)	%			96	78-118	
4-Bromofluorobenzene (S)	%			95	83-119	
Toluene-d8 (S)	%			103	80-120	

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QUALITY CONTROL DATA

Project: PINE LAWN

Pace Project No.: 60349352

QC Batch: 679323

Analysis Method: EPA 5035A/8260

QC Batch Method: EPA 5035/5030

Analysis Description: 8260 MSV GRO and Oxygenates

Laboratory: Pace Analytical Services - Kansas City

Associated Lab Samples: 60349352001, 60349352002, 60349352003

METHOD BLANK: 2746921

Matrix: Solid

Associated Lab Samples: 60349352001, 60349352002, 60349352003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
TPH-GRO	mg/kg	ND	25.0	09/29/20 16:18	
1,2-Dichloroethane-d4 (S)	%	95	78-118	09/29/20 16:18	
4-Bromofluorobenzene (S)	%	96	85-115	09/29/20 16:18	
Toluene-d8 (S)	%	102	80-120	09/29/20 16:18	

LABORATORY CONTROL SAMPLE: 2746922

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
TPH-GRO	mg/kg	200	129	64	55-162	
1,2-Dichloroethane-d4 (S)	%			96	78-118	
4-Bromofluorobenzene (S)	%			95	85-115	
Toluene-d8 (S)	%			103	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2746923 2746924

Parameter	Units	60349447003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,2-Dichloroethane-d4 (S)	%						94	94	78-118			
4-Bromofluorobenzene (S)	%						96	95	85-115			
Toluene-d8 (S)	%						102	102	80-120			

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QUALITY CONTROL DATA

Project: PINE LAWN
Pace Project No.: 60349352

QC Batch:	679525	Analysis Method:	EPA 8260
QC Batch Method:	EPA 5035	Analysis Description:	8260 MSV GRO and Oxygenates
		Laboratory:	Pace Analytical Services - Kansas City

Associated Lab Samples: 60349352004, 60349352005, 60349352006

METHOD BLANK: 2747524 Matrix: Solid
Associated Lab Samples: 60349352004, 60349352005, 60349352006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
TPH-GRO	mg/kg	ND	0.50	09/29/20 10:10	
1,2-Dichloroethane-d4 (S)	%	95	80-123	09/29/20 10:10	
4-Bromofluorobenzene (S)	%	97	69-133	09/29/20 10:10	
Toluene-d8 (S)	%	104	78-122	09/29/20 10:10	

LABORATORY CONTROL SAMPLE: 2747525

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
TPH-GRO	mg/kg	4	2.9	72	61-140	
1,2-Dichloroethane-d4 (S)	%			94	80-123	
4-Bromofluorobenzene (S)	%			95	69-133	
Toluene-d8 (S)	%			103	78-122	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2747526 2747527

Parameter	Units	60349553004 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,2-Dichloroethane-d4 (S)	%						98	101	80-123			
4-Bromofluorobenzene (S)	%						97	95	69-133			
Toluene-d8 (S)	%						103	102	78-122			

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QUALITY CONTROL DATA

Project: PINE LAWN
Pace Project No.: 60349352

QC Batch: 679802 Analysis Method: EPA 8082
QC Batch Method: EPA 3546 Analysis Description: 8082 GCS PCB
Laboratory: Pace Analytical Services - Kansas City
Associated Lab Samples: 60349352001, 60349352002, 60349352003, 60349352004, 60349352005, 60349352006

METHOD BLANK: 2748474 Matrix: Solid
Associated Lab Samples: 60349352001, 60349352002, 60349352003, 60349352004, 60349352005, 60349352006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
PCB-1016 (Aroclor 1016)	ug/kg	ND	31.7	10/02/20 11:45	
PCB-1221 (Aroclor 1221)	ug/kg	ND	31.7	10/02/20 11:45	
PCB-1232 (Aroclor 1232)	ug/kg	ND	31.7	10/02/20 11:45	
PCB-1242 (Aroclor 1242)	ug/kg	ND	31.7	10/02/20 11:45	
PCB-1248 (Aroclor 1248)	ug/kg	ND	31.7	10/02/20 11:45	
PCB-1254 (Aroclor 1254)	ug/kg	ND	31.7	10/02/20 11:45	
PCB-1260 (Aroclor 1260)	ug/kg	ND	31.7	10/02/20 11:45	
Decachlorobiphenyl (S)	%	91	28-143	10/02/20 11:45	

LABORATORY CONTROL SAMPLE: 2748475

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
PCB-1016 (Aroclor 1016)	ug/kg	158	144	91	61-130	
PCB-1260 (Aroclor 1260)	ug/kg	158	150	95	56-128	
Decachlorobiphenyl (S)	%			93	28-143	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2748476 2748477

Parameter	Units	60349351002 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	ND	195	245	169	222	87	91	38-131	27	38	
PCB-1260 (Aroclor 1260)	ug/kg	ND	195	245	177	233	91	95	30-141	27	40	
Decachlorobiphenyl (S)	%						84	91	28-143			

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QUALITY CONTROL DATA

Project: PINE LAWN

Pace Project No.: 60349352

QC Batch: 679538

Analysis Method: EPA 8270

QC Batch Method: EPA 3546

Analysis Description: 8270 Solid MSSV Microwave

Laboratory: Pace Analytical Services - Kansas City

Associated Lab Samples: 60349352001, 60349352002, 60349352003, 60349352004

METHOD BLANK: 2747544

Matrix: Solid

Associated Lab Samples: 60349352001, 60349352002, 60349352003, 60349352004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,2,4-Trichlorobenzene	ug/kg	ND	323	09/30/20 11:04	
1,2-Dichlorobenzene	ug/kg	ND	323	09/30/20 11:04	
1,3-Dichlorobenzene	ug/kg	ND	323	09/30/20 11:04	
1,4-Dichlorobenzene	ug/kg	ND	323	09/30/20 11:04	
2,4,5-Trichlorophenol	ug/kg	ND	323	09/30/20 11:04	
2,4,6-Trichlorophenol	ug/kg	ND	323	09/30/20 11:04	
2,4-Dichlorophenol	ug/kg	ND	323	09/30/20 11:04	
2,4-Dimethylphenol	ug/kg	ND	323	09/30/20 11:04	
2,4-Dinitrophenol	ug/kg	ND	1630	09/30/20 11:04	
2,4-Dinitrotoluene	ug/kg	ND	323	09/30/20 11:04	
2,6-Dinitrotoluene	ug/kg	ND	323	09/30/20 11:04	
2-Chloronaphthalene	ug/kg	ND	323	09/30/20 11:04	
2-Chlorophenol	ug/kg	ND	323	09/30/20 11:04	
2-Methylnaphthalene	ug/kg	ND	323	09/30/20 11:04	
2-Methylphenol(o-Cresol)	ug/kg	ND	323	09/30/20 11:04	
2-Nitroaniline	ug/kg	ND	646	09/30/20 11:04	
2-Nitrophenol	ug/kg	ND	323	09/30/20 11:04	
3&4-Methylphenol(m&p Cresol)	ug/kg	ND	323	09/30/20 11:04	
3,3'-Dichlorobenzidine	ug/kg	ND	646	09/30/20 11:04	
3-Nitroaniline	ug/kg	ND	646	09/30/20 11:04	
4,6-Dinitro-2-methylphenol	ug/kg	ND	1630	09/30/20 11:04	
4-Bromophenylphenyl ether	ug/kg	ND	323	09/30/20 11:04	
4-Chloro-3-methylphenol	ug/kg	ND	646	09/30/20 11:04	
4-Chloroaniline	ug/kg	ND	646	09/30/20 11:04	
4-Chlorophenylphenyl ether	ug/kg	ND	323	09/30/20 11:04	
4-Nitroaniline	ug/kg	ND	646	09/30/20 11:04	
4-Nitrophenol	ug/kg	ND	1630	09/30/20 11:04	
Acenaphthene	ug/kg	ND	323	09/30/20 11:04	
Acenaphthylene	ug/kg	ND	323	09/30/20 11:04	
Anthracene	ug/kg	ND	323	09/30/20 11:04	
Benzo(a)anthracene	ug/kg	ND	323	09/30/20 11:04	
Benzo(a)pyrene	ug/kg	ND	323	09/30/20 11:04	
Benzo(b)fluoranthene	ug/kg	ND	323	09/30/20 11:04	
Benzo(g,h,i)perylene	ug/kg	ND	323	09/30/20 11:04	
Benzo(k)fluoranthene	ug/kg	ND	323	09/30/20 11:04	
Benzoic Acid	ug/kg	ND	1630	09/30/20 11:04	
Benzyl alcohol	ug/kg	ND	646	09/30/20 11:04	
bis(2-Chloroethoxy)methane	ug/kg	ND	323	09/30/20 11:04	
bis(2-Chloroethyl) ether	ug/kg	ND	323	09/30/20 11:04	
bis(2-Chloroisopropyl) ether	ug/kg	ND	323	09/30/20 11:04	

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QUALITY CONTROL DATA

Project: PINE LAWN

Pace Project No.: 60349352

METHOD BLANK: 2747544

Matrix: Solid

Associated Lab Samples: 60349352001, 60349352002, 60349352003, 60349352004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
bis(2-Ethylhexyl)phthalate	ug/kg	ND	323	09/30/20 11:04	
Butylbenzylphthalate	ug/kg	ND	323	09/30/20 11:04	
Carbazole	ug/kg	ND	323	09/30/20 11:04	
Chrysene	ug/kg	ND	323	09/30/20 11:04	
Di-n-butylphthalate	ug/kg	ND	323	09/30/20 11:04	
Di-n-octylphthalate	ug/kg	ND	323	09/30/20 11:04	
Dibenz(a,h)anthracene	ug/kg	ND	323	09/30/20 11:04	
Dibenzofuran	ug/kg	ND	323	09/30/20 11:04	
Diethylphthalate	ug/kg	ND	323	09/30/20 11:04	
Dimethylphthalate	ug/kg	ND	323	09/30/20 11:04	
Fluoranthene	ug/kg	ND	323	09/30/20 11:04	
Fluorene	ug/kg	ND	323	09/30/20 11:04	
Hexachloro-1,3-butadiene	ug/kg	ND	323	09/30/20 11:04	
Hexachlorobenzene	ug/kg	ND	323	09/30/20 11:04	
Hexachlorocyclopentadiene	ug/kg	ND	323	09/30/20 11:04	
Hexachloroethane	ug/kg	ND	323	09/30/20 11:04	
Indeno(1,2,3-cd)pyrene	ug/kg	ND	323	09/30/20 11:04	
Isophorone	ug/kg	ND	323	09/30/20 11:04	
N-Nitroso-di-n-propylamine	ug/kg	ND	323	09/30/20 11:04	
N-Nitrosodiphenylamine	ug/kg	ND	323	09/30/20 11:04	
Naphthalene	ug/kg	ND	323	09/30/20 11:04	
Nitrobenzene	ug/kg	ND	323	09/30/20 11:04	
Pentachlorophenol	ug/kg	ND	1630	09/30/20 11:04	
Phenanthrene	ug/kg	ND	323	09/30/20 11:04	
Phenol	ug/kg	ND	323	09/30/20 11:04	
Pyrene	ug/kg	ND	323	09/30/20 11:04	
Pyridine	ug/kg	ND	323	09/30/20 11:04	
2,4,6-Tribromophenol (S)	%	80	41-108	09/30/20 11:04	
2-Fluorobiphenyl (S)	%	80	39-136	09/30/20 11:04	
2-Fluorophenol (S)	%	77	43-96	09/30/20 11:04	
Nitrobenzene-d5 (S)	%	81	33-132	09/30/20 11:04	
Phenol-d6 (S)	%	78	43-95	09/30/20 11:04	
Terphenyl-d14 (S)	%	85	29-131	09/30/20 11:04	

LABORATORY CONTROL SAMPLE: 2747545

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2,4-Trichlorobenzene	ug/kg	1570	1220	78	52-104	
1,2-Dichlorobenzene	ug/kg	1570	1210	77	51-99	
1,3-Dichlorobenzene	ug/kg	1570	1190	76	48-102	
1,4-Dichlorobenzene	ug/kg	1570	1190	76	49-101	
2,4,5-Trichlorophenol	ug/kg	1570	1290	82	58-109	
2,4,6-Trichlorophenol	ug/kg	1570	1270	81	56-109	
2,4-Dichlorophenol	ug/kg	1570	1250	80	54-106	

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QUALITY CONTROL DATA

Project: PINE LAWN

Pace Project No.: 60349352

LABORATORY CONTROL SAMPLE: 2747545

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
2,4-Dimethylphenol	ug/kg	1570	1260	80	49-104	
2,4-Dinitrophenol	ug/kg	1570	1250J	79	26-119	
2,4-Dinitrotoluene	ug/kg	1570	1310	83	60-109	
2,6-Dinitrotoluene	ug/kg	1570	1260	80	59-109	
2-Chloronaphthalene	ug/kg	1570	1220	78	56-104	
2-Chlorophenol	ug/kg	1570	1250	79	56-98	
2-Methylnaphthalene	ug/kg	1570	1270	81	53-103	
2-Methylphenol(o-Cresol)	ug/kg	1570	1250	79	52-102	
2-Nitroaniline	ug/kg	1570	1260	80	54-113	
2-Nitrophenol	ug/kg	1570	1250	79	51-111	
3&4-Methylphenol(m&p Cresol)	ug/kg	1570	1250	79	52-102	
3,3'-Dichlorobenzidine	ug/kg	1570	850	54	19-126	
3-Nitroaniline	ug/kg	1570	883	56	31-122	
4,6-Dinitro-2-methylphenol	ug/kg	1570	1160J	74	37-117	
4-Bromophenylphenyl ether	ug/kg	1570	1230	78	60-106	
4-Chloro-3-methylphenol	ug/kg	1570	1300	83	55-107	
4-Chloroaniline	ug/kg	1570	690	44	10-116	
4-Chlorophenylphenyl ether	ug/kg	1570	1240	79	56-107	
4-Nitroaniline	ug/kg	1570	1260	80	52-113	
4-Nitrophenol	ug/kg	1570	1350J	86	53-114	
Acenaphthene	ug/kg	1570	1260	80	55-105	
Acenaphthylene	ug/kg	1570	1310	84	57-105	
Anthracene	ug/kg	1570	1250	79	59-106	
Benzo(a)anthracene	ug/kg	1570	1270	81	59-109	
Benzo(a)pyrene	ug/kg	1570	1260	80	59-109	
Benzo(b)fluoranthene	ug/kg	1570	1280	82	56-112	
Benzo(g,h,i)perylene	ug/kg	1570	1280	82	57-109	
Benzo(k)fluoranthene	ug/kg	1570	1290	82	57-107	
Benzoic Acid	ug/kg	1570	1770	112	10-96	L1
Benzyl alcohol	ug/kg	1570	1280	81	56-103	
bis(2-Chloroethoxy)methane	ug/kg	1570	1200	76	52-102	
bis(2-Chloroethyl) ether	ug/kg	1570	1190	76	51-100	
bis(2-Chloroisopropyl) ether	ug/kg	1570	1240	79	47-101	
bis(2-Ethylhexyl)phthalate	ug/kg	1570	1340	85	61-113	
Butylbenzylphthalate	ug/kg	1570	1280	82	62-110	
Carbazole	ug/kg	1570	1290	82	60-106	
Chrysene	ug/kg	1570	1310	83	58-108	
Di-n-butylphthalate	ug/kg	1570	1300	83	61-110	
Di-n-octylphthalate	ug/kg	1570	1350	86	58-114	
Dibenz(a,h)anthracene	ug/kg	1570	1300	83	57-109	
Dibenzofuran	ug/kg	1570	1230	78	56-106	
Diethylphthalate	ug/kg	1570	1260	80	57-107	
Dimethylphthalate	ug/kg	1570	1260	80	55-106	
Fluoranthene	ug/kg	1570	1250	79	60-109	
Fluorene	ug/kg	1570	1240	79	56-107	
Hexachloro-1,3-butadiene	ug/kg	1570	1250	79	50-106	
Hexachlorobenzene	ug/kg	1570	1210	77	56-107	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: PINE LAWN

Pace Project No.: 60349352

LABORATORY CONTROL SAMPLE: 2747545

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Hexachlorocyclopentadiene	ug/kg	1570	1010	65	18-118	
Hexachloroethane	ug/kg	1570	1200	76	49-101	
Indeno(1,2,3-cd)pyrene	ug/kg	1570	1290	82	58-108	
Isophorone	ug/kg	1570	1240	79	53-99	
N-Nitroso-di-n-propylamine	ug/kg	1570	1210	77	50-101	
N-Nitrosodiphenylamine	ug/kg	1570	1260	80	58-107	
Naphthalene	ug/kg	1570	1220	78	51-103	
Nitrobenzene	ug/kg	1570	1240	79	51-104	
Pentachlorophenol	ug/kg	1570	1280J	82	43-123	
Phenanthrene	ug/kg	1570	1240	79	58-106	
Phenol	ug/kg	1570	1250	80	53-101	
Pyrene	ug/kg	1570	1290	82	60-108	
Pyridine	ug/kg	1570	905	58	33-72	
2,4,6-Tribromophenol (S)	%			78	41-108	
2-Fluorobiphenyl (S)	%			78	39-136	
2-Fluorophenol (S)	%			73	43-96	
Nitrobenzene-d5 (S)	%			78	33-132	
Phenol-d6 (S)	%			72	43-95	
Terphenyl-d14 (S)	%			83	29-131	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2747546 2747547

Parameter	Units	60349231006 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,2,4-Trichlorobenzene	ug/kg	ND	1870	1940	1460	1490	78	76	42-102	2	26	
1,2-Dichlorobenzene	ug/kg	ND	1870	1940	1390	1430	75	74	45-96	3	31	
1,3-Dichlorobenzene	ug/kg	ND	1870	1940	1370	1400	74	72	44-95	2	31	
1,4-Dichlorobenzene	ug/kg	ND	1870	1940	1410	1440	75	74	45-95	2	30	
2,4,5-Trichlorophenol	ug/kg	ND	1870	1940	1530	1530	82	79	47-109	0	31	
2,4,6-Trichlorophenol	ug/kg	ND	1870	1940	1540	1550	82	80	14-133	1	31	
2,4-Dichlorophenol	ug/kg	ND	1870	1940	1490	1530	80	79	36-111	2	29	
2,4-Dimethylphenol	ug/kg	ND	1870	1940	1480	1500	79	77	22-113	1	32	
2,4-Dinitrophenol	ug/kg	ND	1870	1940	983J	929J	53	48	10-116		35	
2,4-Dinitrotoluene	ug/kg	ND	1870	1940	1510	1520	81	78	10-133	0	32	
2,6-Dinitrotoluene	ug/kg	ND	1870	1940	1510	1520	81	78	17-125	0	25	
2-Chloronaphthalene	ug/kg	ND	1870	1940	1470	1490	79	76	47-105	1	28	
2-Chlorophenol	ug/kg	ND	1870	1940	1460	1470	78	75	44-100	0	31	
2-Methylnaphthalene	ug/kg	ND	1870	1940	1510	1530	81	79	43-104	1	28	
2-Methylphenol(o-Cresol)	ug/kg	ND	1870	1940	1440	1450	77	74	37-105	0	32	
2-Nitroaniline	ug/kg	ND	1870	1940	1540	1520	82	78	44-117	1	28	
2-Nitrophenol	ug/kg	ND	1870	1940	1480	1530	79	78	10-145	3	30	
3&4-Methylphenol(m&p Cresol)	ug/kg	ND	1870	1940	1460	1460	78	75	35-108	0	30	
3,3'-Dichlorobenzidine	ug/kg	ND	1870	1940	1180	1210	63	62	10-133	2	39	
3-Nitroaniline	ug/kg	ND	1870	1940	1350	1310	72	67	10-124	3	27	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: PINE LAWN

Pace Project No.: 60349352

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2747546 2747547											
Parameter	Units	60349231006 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	Max RPD	Qual
4,6-Dinitro-2-methylphenol	ug/kg	ND	1870	1940	1230J	1110J	66	57	10-123	30	
4-Bromophenylphenyl ether	ug/kg	ND	1870	1940	1500	1480	80	76	47-109	1	33
4-Chloro-3-methylphenol	ug/kg	ND	1870	1940	1560	1540	83	79	42-109	1	30
4-Chloroaniline	ug/kg	ND	1870	1940	956	965	51	50	10-94	1	33
4-Chlorophenylphenyl ether	ug/kg	ND	1870	1940	1490	1500	80	77	46-106	0	33
4-Nitroaniline	ug/kg	ND	1870	1940	1450	1510	78	77	11-126	4	47
4-Nitrophenol	ug/kg	ND	1870	1940	1550J	1790J	83	92	18-130		35
Acenaphthene	ug/kg	ND	1870	1940	1530	1550	82	80	44-104	1	23
Acenaphthylene	ug/kg	ND	1870	1940	1590	1580	85	81	47-102	1	29
Anthracene	ug/kg	ND	1870	1940	1490	1510	80	77	39-112	1	30
Benzo(a)anthracene	ug/kg	ND	1870	1940	1540	1510	83	78	10-139	2	32
Benzo(a)pyrene	ug/kg	ND	1870	1940	1460	1470	78	76	12-132	1	33
Benzo(b)fluoranthene	ug/kg	ND	1870	1940	1580	1490	85	77	12-136	6	37
Benzo(g,h,i)perylene	ug/kg	ND	1870	1940	1400	1420	75	73	22-119	2	41
Benzo(k)fluoranthene	ug/kg	ND	1870	1940	1450	1580	77	81	32-113	9	32
Benzoic Acid	ug/kg	ND	1870	1940	1890	1580J	101	81	10-101		35
Benzyl alcohol	ug/kg	ND	1870	1940	1470	1450	78	75	46-103	1	31
bis(2-Chloroethoxy)methane	ug/kg	ND	1870	1940	1420	1440	76	74	41-100	1	29
bis(2-Chloroethyl) ether	ug/kg	ND	1870	1940	1410	1420	76	73	46-100	0	32
bis(2-Chloroisopropyl) ether	ug/kg	ND	1870	1940	1450	1450	77	75	40-99	0	29
bis(2-Ethylhexyl)phthalate	ug/kg	ND	1870	1940	1570	1570	84	81	24-141	0	33
Butylbenzylphthalate	ug/kg	ND	1870	1940	1530	1500	82	77	41-131	2	33
Carbazole	ug/kg	ND	1870	1940	1510	1520	81	78	41-107	1	30
Chrysene	ug/kg	ND	1870	1940	1560	1520	83	78	10-137	2	31
Di-n-butylphthalate	ug/kg	ND	1870	1940	1540	1530	82	79	41-118	0	31
Di-n-octylphthalate	ug/kg	ND	1870	1940	1590	1620	85	83	40-138	2	29
Dibenz(a,h)anthracene	ug/kg	ND	1870	1940	1460	1480	78	76	23-122	1	35
Dibenzofuran	ug/kg	ND	1870	1940	1480	1490	79	76	49-101	1	28
Diethylphthalate	ug/kg	ND	1870	1940	1520	1490	81	77	42-107	2	31
Dimethylphthalate	ug/kg	ND	1870	1940	1510	1490	81	77	37-108	1	30
Fluoranthene	ug/kg	ND	1870	1940	1480	1490	79	76	10-139	1	32
Fluorene	ug/kg	ND	1870	1940	1500	1490	80	77	43-108	0	32
Hexachloro-1,3-butadiene	ug/kg	ND	1870	1940	1460	1480	78	76	41-104	2	27
Hexachlorobenzene	ug/kg	ND	1870	1940	1460	1460	78	75	46-105	0	31
Hexachlorocyclopentadiene	ug/kg	ND	1870	1940	1080	1150	58	59	10-111	6	61
Hexachloroethane	ug/kg	ND	1870	1940	1380	1420	74	73	11-119	2	34
Indeno(1,2,3-cd)pyrene	ug/kg	ND	1870	1940	1470	1460	79	75	21-120	1	38
Isophorone	ug/kg	ND	1870	1940	1480	1490	79	76	44-97	1	28
N-Nitroso-di-n-propylamine	ug/kg	ND	1870	1940	1420	1450	76	74	37-108	2	30
N-Nitrosodiphenylamine	ug/kg	ND	1870	1940	1490	1510	80	77	41-108	1	36
Naphthalene	ug/kg	ND	1870	1940	1460	1480	78	76	40-105	1	31
Nitrobenzene	ug/kg	ND	1870	1940	1490	1500	80	77	35-106	1	29
Pentachlorophenol	ug/kg	ND	1870	1940	1640J	1480J	88	76	10-144		35
Phenanthrene	ug/kg	ND	1870	1940	1500	1490	80	77	43-108	1	29
Phenol	ug/kg	ND	1870	1940	1470	1460	79	75	38-102	1	29

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: PINE LAWN

Pace Project No.: 60349352

MATRIX SPIKE & MATRIX SPIKE DUPLICATE:												2747546	2747547	
Parameter	Units	60349231006	MS	MSD	MS	MSD	MS	MSD	% Rec	Limits	RPD	Max	Qual	
		Result	Spike	Spike										Result
Pyrene	ug/kg	ND	1870	1940	1570	1520	84	78	10-147		3	38		
Pyridine	ug/kg	ND	1870	1940	895	812	48	42	10-79		10	35		
2,4,6-Tribromophenol (S)	%						78	72	41-108					
2-Fluorobiphenyl (S)	%						80	76	39-136					
2-Fluorophenol (S)	%						72	68	43-96					
Nitrobenzene-d5 (S)	%						80	74	33-132					
Phenol-d6 (S)	%						72	68	43-95					
Terphenyl-d14 (S)	%						84	78	29-131					

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QUALITY CONTROL DATA

Project: PINE LAWN

Pace Project No.: 60349352

QC Batch: 679541

Analysis Method: EPA 8270

QC Batch Method: EPA 3546

Analysis Description: 8270 Solid MSSV Microwave

Laboratory: Pace Analytical Services - Kansas City

Associated Lab Samples: 60349352005, 60349352006

METHOD BLANK: 2747554

Matrix: Solid

Associated Lab Samples: 60349352005, 60349352006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,2,4-Trichlorobenzene	ug/kg	ND	318	10/06/20 09:10	
1,2-Dichlorobenzene	ug/kg	ND	318	10/06/20 09:10	
1,3-Dichlorobenzene	ug/kg	ND	318	10/06/20 09:10	
1,4-Dichlorobenzene	ug/kg	ND	318	10/06/20 09:10	
2,4,5-Trichlorophenol	ug/kg	ND	318	10/06/20 09:10	
2,4,6-Trichlorophenol	ug/kg	ND	318	10/06/20 09:10	
2,4-Dichlorophenol	ug/kg	ND	318	10/06/20 09:10	
2,4-Dimethylphenol	ug/kg	ND	318	10/06/20 09:10	
2,4-Dinitrophenol	ug/kg	ND	1610	10/06/20 09:10	
2,4-Dinitrotoluene	ug/kg	ND	318	10/06/20 09:10	
2,6-Dinitrotoluene	ug/kg	ND	318	10/06/20 09:10	
2-Chloronaphthalene	ug/kg	ND	318	10/06/20 09:10	
2-Chlorophenol	ug/kg	ND	318	10/06/20 09:10	
2-Methylnaphthalene	ug/kg	ND	318	10/06/20 09:10	
2-Methylphenol(o-Cresol)	ug/kg	ND	318	10/06/20 09:10	
2-Nitroaniline	ug/kg	ND	637	10/06/20 09:10	
2-Nitrophenol	ug/kg	ND	318	10/06/20 09:10	
3&4-Methylphenol(m&p Cresol)	ug/kg	ND	318	10/06/20 09:10	
3,3'-Dichlorobenzidine	ug/kg	ND	637	10/06/20 09:10	
3-Nitroaniline	ug/kg	ND	637	10/06/20 09:10	
4,6-Dinitro-2-methylphenol	ug/kg	ND	1610	10/06/20 09:10	
4-Bromophenylphenyl ether	ug/kg	ND	318	10/06/20 09:10	
4-Chloro-3-methylphenol	ug/kg	ND	637	10/06/20 09:10	
4-Chloroaniline	ug/kg	ND	637	10/06/20 09:10	
4-Chlorophenylphenyl ether	ug/kg	ND	318	10/06/20 09:10	
4-Nitroaniline	ug/kg	ND	637	10/06/20 09:10	
4-Nitrophenol	ug/kg	ND	1610	10/06/20 09:10	
Acenaphthene	ug/kg	ND	318	10/06/20 09:10	
Acenaphthylene	ug/kg	ND	318	10/06/20 09:10	
Anthracene	ug/kg	ND	318	10/06/20 09:10	
Benzo(a)anthracene	ug/kg	ND	318	10/06/20 09:10	
Benzo(a)pyrene	ug/kg	ND	318	10/06/20 09:10	
Benzo(b)fluoranthene	ug/kg	ND	318	10/06/20 09:10	
Benzo(g,h,i)perylene	ug/kg	ND	318	10/06/20 09:10	
Benzo(k)fluoranthene	ug/kg	ND	318	10/06/20 09:10	
Benzoic Acid	ug/kg	ND	1610	10/06/20 09:10	
Benzyl alcohol	ug/kg	ND	637	10/06/20 09:10	
bis(2-Chloroethoxy)methane	ug/kg	ND	318	10/06/20 09:10	
bis(2-Chloroethyl) ether	ug/kg	ND	318	10/06/20 09:10	
bis(2-Chloroisopropyl) ether	ug/kg	ND	318	10/06/20 09:10	

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QUALITY CONTROL DATA

Project: PINE LAWN

Pace Project No.: 60349352

METHOD BLANK: 2747554

Matrix: Solid

Associated Lab Samples: 60349352005, 60349352006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
bis(2-Ethylhexyl)phthalate	ug/kg	ND	318	10/06/20 09:10	
Butylbenzylphthalate	ug/kg	ND	318	10/06/20 09:10	
Carbazole	ug/kg	ND	318	10/06/20 09:10	
Chrysene	ug/kg	ND	318	10/06/20 09:10	
Di-n-butylphthalate	ug/kg	ND	318	10/06/20 09:10	
Di-n-octylphthalate	ug/kg	ND	318	10/06/20 09:10	
Dibenz(a,h)anthracene	ug/kg	ND	318	10/06/20 09:10	
Dibenzofuran	ug/kg	ND	318	10/06/20 09:10	
Diethylphthalate	ug/kg	ND	318	10/06/20 09:10	
Dimethylphthalate	ug/kg	ND	318	10/06/20 09:10	
Fluoranthene	ug/kg	ND	318	10/06/20 09:10	
Fluorene	ug/kg	ND	318	10/06/20 09:10	
Hexachloro-1,3-butadiene	ug/kg	ND	318	10/06/20 09:10	
Hexachlorobenzene	ug/kg	ND	318	10/06/20 09:10	
Hexachlorocyclopentadiene	ug/kg	ND	318	10/06/20 09:10	
Hexachloroethane	ug/kg	ND	318	10/06/20 09:10	
Indeno(1,2,3-cd)pyrene	ug/kg	ND	318	10/06/20 09:10	
Isophorone	ug/kg	ND	318	10/06/20 09:10	
N-Nitroso-di-n-propylamine	ug/kg	ND	318	10/06/20 09:10	
N-Nitrosodiphenylamine	ug/kg	ND	318	10/06/20 09:10	
Naphthalene	ug/kg	ND	318	10/06/20 09:10	
Nitrobenzene	ug/kg	ND	318	10/06/20 09:10	
Pentachlorophenol	ug/kg	ND	1610	10/06/20 09:10	
Phenanthrene	ug/kg	ND	318	10/06/20 09:10	
Phenol	ug/kg	ND	318	10/06/20 09:10	
Pyrene	ug/kg	ND	318	10/06/20 09:10	
Pyridine	ug/kg	ND	318	10/06/20 09:10	
2,4,6-Tribromophenol (S)	%	67	41-108	10/06/20 09:10	
2-Fluorobiphenyl (S)	%	85	39-136	10/06/20 09:10	
2-Fluorophenol (S)	%	77	43-96	10/06/20 09:10	
Nitrobenzene-d5 (S)	%	67	33-132	10/06/20 09:10	
Phenol-d6 (S)	%	76	43-95	10/06/20 09:10	
Terphenyl-d14 (S)	%	82	29-131	10/06/20 09:10	

LABORATORY CONTROL SAMPLE: 2747555

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2,4-Trichlorobenzene	ug/kg	1650	1280	78	52-104	
1,2-Dichlorobenzene	ug/kg	1650	1230	75	51-99	
1,3-Dichlorobenzene	ug/kg	1650	1230	74	48-102	
1,4-Dichlorobenzene	ug/kg	1650	1240	75	49-101	
2,4,5-Trichlorophenol	ug/kg	1650	1330	81	58-109	
2,4,6-Trichlorophenol	ug/kg	1650	1330	81	56-109	
2,4-Dichlorophenol	ug/kg	1650	1280	78	54-106	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: PINE LAWN

Pace Project No.: 60349352

LABORATORY CONTROL SAMPLE: 2747555

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
2,4-Dimethylphenol	ug/kg	1650	1160	71	49-104	
2,4-Dinitrophenol	ug/kg	1650	905J	55	26-119	
2,4-Dinitrotoluene	ug/kg	1650	1090	66	60-109	
2,6-Dinitrotoluene	ug/kg	1650	1150	70	59-109	
2-Chloronaphthalene	ug/kg	1650	1270	77	56-104	
2-Chlorophenol	ug/kg	1650	1280	78	56-98	
2-Methylnaphthalene	ug/kg	1650	1280	78	53-103	
2-Methylphenol(o-Cresol)	ug/kg	1650	1210	74	52-102	
2-Nitroaniline	ug/kg	1650	1070	65	54-113	
2-Nitrophenol	ug/kg	1650	1060	64	51-111	
3&4-Methylphenol(m&p Cresol)	ug/kg	1650	1250	76	52-102	
3,3'-Dichlorobenzidine	ug/kg	1650	814	49	19-126	
3-Nitroaniline	ug/kg	1650	939	57	31-122	
4,6-Dinitro-2-methylphenol	ug/kg	1650	949J	58	37-117	
4-Bromophenylphenyl ether	ug/kg	1650	1310	79	60-106	
4-Chloro-3-methylphenol	ug/kg	1650	1290	78	55-107	
4-Chloroaniline	ug/kg	1650	730	44	10-116	
4-Chlorophenylphenyl ether	ug/kg	1650	1320	80	56-107	
4-Nitroaniline	ug/kg	1650	1150	70	52-113	
4-Nitrophenol	ug/kg	1650	1190J	72	53-114	
Acenaphthene	ug/kg	1650	1320	80	55-105	
Acenaphthylene	ug/kg	1650	1360	82	57-105	
Anthracene	ug/kg	1650	1290	79	59-106	
Benzo(a)anthracene	ug/kg	1650	1280	78	59-109	
Benzo(a)pyrene	ug/kg	1650	1250	76	59-109	
Benzo(b)fluoranthene	ug/kg	1650	1340	81	56-112	
Benzo(g,h,i)perylene	ug/kg	1650	1300	79	57-109	
Benzo(k)fluoranthene	ug/kg	1650	1210	74	57-107	
Benzoic Acid	ug/kg	1650	821J	50	10-96	
Benzyl alcohol	ug/kg	1650	1200	73	56-103	
bis(2-Chloroethoxy)methane	ug/kg	1650	1220	74	52-102	
bis(2-Chloroethyl) ether	ug/kg	1650	1200	73	51-100	
bis(2-Chloroisopropyl) ether	ug/kg	1650	1120	68	47-101	
bis(2-Ethylhexyl)phthalate	ug/kg	1650	1300	79	61-113	
Butylbenzylphthalate	ug/kg	1650	1300	79	62-110	
Carbazole	ug/kg	1650	1300	79	60-106	
Chrysene	ug/kg	1650	1330	81	58-108	
Di-n-butylphthalate	ug/kg	1650	1310	80	61-110	
Di-n-octylphthalate	ug/kg	1650	1330	81	58-114	
Dibenz(a,h)anthracene	ug/kg	1650	1280	78	57-109	
Dibenzofuran	ug/kg	1650	1290	78	56-106	
Diethylphthalate	ug/kg	1650	1270	77	57-107	
Dimethylphthalate	ug/kg	1650	1240	75	55-106	
Fluoranthene	ug/kg	1650	1300	79	60-109	
Fluorene	ug/kg	1650	1290	79	56-107	
Hexachloro-1,3-butadiene	ug/kg	1650	1250	76	50-106	
Hexachlorobenzene	ug/kg	1650	1310	80	56-107	

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QUALITY CONTROL DATA

Project: PINE LAWN

Pace Project No.: 60349352

LABORATORY CONTROL SAMPLE: 2747555

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Hexachlorocyclopentadiene	ug/kg	1650	1100	67	18-118	
Hexachloroethane	ug/kg	1650	1150	70	49-101	
Indeno(1,2,3-cd)pyrene	ug/kg	1650	1310	80	58-108	
Isophorone	ug/kg	1650	1210	74	53-99	
N-Nitroso-di-n-propylamine	ug/kg	1650	1160	71	50-101	
N-Nitrosodiphenylamine	ug/kg	1650	1300	79	58-107	
Naphthalene	ug/kg	1650	1260	76	51-103	
Nitrobenzene	ug/kg	1650	1100	67	51-104	
Pentachlorophenol	ug/kg	1650	1010J	62	43-123	
Phenanthrene	ug/kg	1650	1310	80	58-106	
Phenol	ug/kg	1650	1240	75	53-101	
Pyrene	ug/kg	1650	1280	78	60-108	
Pyridine	ug/kg	1650	848	52	33-72	
2,4,6-Tribromophenol (S)	%			78	41-108	
2-Fluorobiphenyl (S)	%			79	39-136	
2-Fluorophenol (S)	%			70	43-96	
Nitrobenzene-d5 (S)	%			63	33-132	
Phenol-d6 (S)	%			69	43-95	
Terphenyl-d14 (S)	%			81	29-131	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2747556 2747557

Parameter	Units	60349352005 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,2,4-Trichlorobenzene	ug/kg	ND	1800	1800	1210	1060	67	59	42-102	13	26	
1,2-Dichlorobenzene	ug/kg	ND	1800	1800	1180	1060	66	59	45-96	11	31	
1,3-Dichlorobenzene	ug/kg	ND	1800	1800	1180	1040	66	58	44-95	13	31	
1,4-Dichlorobenzene	ug/kg	ND	1800	1800	1190	1040	66	58	45-95	13	30	
2,4,5-Trichlorophenol	ug/kg	ND	1800	1800	1240	1130	69	63	47-109	10	31	
2,4,6-Trichlorophenol	ug/kg	ND	1800	1800	1160	1020	65	57	14-133	13	31	
2,4-Dichlorophenol	ug/kg	ND	1800	1800	1170	1040	65	57	36-111	12	29	
2,4-Dimethylphenol	ug/kg	ND	1800	1800	995	856	55	47	22-113	15	32	
2,4-Dinitrophenol	ug/kg	ND	1800	1800	651J	694J	36	39	10-116		35	
2,4-Dinitrotoluene	ug/kg	ND	1800	1800	1070	1020	60	56	10-133	5	32	
2,6-Dinitrotoluene	ug/kg	ND	1800	1800	1130	1090	63	60	17-125	4	25	
2-Chloronaphthalene	ug/kg	ND	1800	1800	1200	1100	67	61	47-105	9	28	
2-Chlorophenol	ug/kg	ND	1800	1800	1190	1070	66	59	44-100	11	31	
2-Methylnaphthalene	ug/kg	ND	1800	1800	1210	1080	67	60	43-104	11	28	
2-Methylphenol(o-Cresol)	ug/kg	ND	1800	1800	1100	996	61	55	37-105	10	32	
2-Nitroaniline	ug/kg	ND	1800	1800	1070	1010	60	56	44-117	6	28	
2-Nitrophenol	ug/kg	ND	1800	1800	1120	1020	63	57	10-145	10	30	
3&4-Methylphenol(m&p Cresol)	ug/kg	ND	1800	1800	1120	1010	63	56	35-108	11	30	
3,3'-Dichlorobenzidine	ug/kg	ND	1800	1800	471J	605J	26	34	10-133		39	
3-Nitroaniline	ug/kg	ND	1800	1800	1070	1120	59	62	10-124	4	27	

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QUALITY CONTROL DATA

Project: PINE LAWN

Pace Project No.: 60349352

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2747556 2747557											
Parameter	Units	60349352005 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	Max RPD	Qual
4,6-Dinitro-2-methylphenol	ug/kg	ND	1800	1800	800J	793J	44	44	10-123	30	
4-Bromophenylphenyl ether	ug/kg	ND	1800	1800	1240	1110	69	62	47-109	11	33
4-Chloro-3-methylphenol	ug/kg	ND	1800	1800	1150	1040	64	58	42-109	10	30
4-Chloroaniline	ug/kg	ND	1800	1800	870	990	48	55	10-94	13	33
4-Chlorophenylphenyl ether	ug/kg	ND	1800	1800	1230	1120	69	62	46-106	9	33
4-Nitroaniline	ug/kg	ND	1800	1800	927	916	52	51	11-126	1	47
4-Nitrophenol	ug/kg	ND	1800	1800	1060J	972J	59	54	18-130		35
Acenaphthene	ug/kg	ND	1800	1800	1240	1130	69	63	44-104	9	23
Acenaphthylene	ug/kg	ND	1800	1800	1270	1170	70	65	47-102	8	29
Anthracene	ug/kg	ND	1800	1800	1200	1100	67	61	39-112	9	30
Benzo(a)anthracene	ug/kg	ND	1800	1800	1190	1090	66	61	10-139	8	32
Benzo(a)pyrene	ug/kg	ND	1800	1800	1200	1070	67	59	12-132	11	33
Benzo(b)fluoranthene	ug/kg	ND	1800	1800	1160	1060	65	59	12-136	9	37
Benzo(g,h,i)perylene	ug/kg	ND	1800	1800	1180	1070	66	59	22-119	10	41
Benzo(k)fluoranthene	ug/kg	ND	1800	1800	1210	1090	67	60	32-113	11	32
Benzoic Acid	ug/kg	ND	1800	1800	614J	406J	34	23	10-101		35
Benzyl alcohol	ug/kg	ND	1800	1800	1180	1060	66	59	46-103	10	31
bis(2-Chloroethoxy)methane	ug/kg	ND	1800	1800	1130	1010	63	56	41-100	11	29
bis(2-Chloroethyl) ether	ug/kg	ND	1800	1800	1160	1040	64	58	46-100	11	32
bis(2-Chloroisopropyl) ether	ug/kg	ND	1800	1800	1050	950	58	53	40-99	10	29
bis(2-Ethylhexyl)phthalate	ug/kg	ND	1800	1800	1200	1110	67	62	24-141	8	33
Butylbenzylphthalate	ug/kg	ND	1800	1800	1220	1090	68	60	41-131	12	33
Carbazole	ug/kg	ND	1800	1800	1140	1030	63	57	41-107	10	30
Chrysene	ug/kg	ND	1800	1800	1220	1110	68	61	10-137	9	31
Di-n-butylphthalate	ug/kg	ND	1800	1800	1210	1090	67	60	41-118	11	31
Di-n-octylphthalate	ug/kg	ND	1800	1800	1260	1140	70	63	40-138	10	29
Dibenz(a,h)anthracene	ug/kg	ND	1800	1800	1180	1060	66	59	23-122	11	35
Dibenzofuran	ug/kg	ND	1800	1800	1210	1110	67	62	49-101	8	28
Diethylphthalate	ug/kg	ND	1800	1800	1210	1100	67	61	42-107	10	31
Dimethylphthalate	ug/kg	ND	1800	1800	1130	1050	63	58	37-108	8	30
Fluoranthene	ug/kg	ND	1800	1800	1220	1100	67	61	10-139	10	32
Fluorene	ug/kg	ND	1800	1800	1210	1140	67	63	43-108	6	32
Hexachloro-1,3-butadiene	ug/kg	ND	1800	1800	1190	1060	66	59	41-104	12	27
Hexachlorobenzene	ug/kg	ND	1800	1800	1200	1100	67	61	46-105	9	31
Hexachlorocyclopentadiene	ug/kg	ND	1800	1800	1060	945	59	52	10-111	12	61
Hexachloroethane	ug/kg	ND	1800	1800	1110	1000	62	56	11-119	10	34
Indeno(1,2,3-cd)pyrene	ug/kg	ND	1800	1800	1190	1060	66	59	21-120	11	38
Isophorone	ug/kg	ND	1800	1800	1130	1010	63	56	44-97	12	28
N-Nitroso-di-n-propylamine	ug/kg	ND	1800	1800	1110	994	62	55	37-108	11	30
N-Nitrosodiphenylamine	ug/kg	ND	1800	1800	1170	1080	65	60	41-108	8	36
Naphthalene	ug/kg	ND	1800	1800	1200	1050	67	58	40-105	13	31
Nitrobenzene	ug/kg	ND	1800	1800	1060	958	59	53	35-106	10	29
Pentachlorophenol	ug/kg	ND	1800	1800	967J	844J	54	47	10-144		35
Phenanthrene	ug/kg	ND	1800	1800	1210	1090	67	60	43-108	11	29
Phenol	ug/kg	ND	1800	1800	1170	1040	65	58	38-102	11	29

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QUALITY CONTROL DATA

Project: PINE LAWN

Pace Project No.: 60349352

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2747556 2747557													
Parameter	Units	60349352005	MS	MSD	MS	MSD	MS	MSD	% Rec	Limits	RPD	Max RPD	Qual
		Result	Spike Conc.	Spike Conc.									
Pyrene	ug/kg	ND	1800	1800	1200	1090	67	60	10-147	10	38		
Pyridine	ug/kg	ND	1800	1800	782	676	43	37	10-79	15	35		
2,4,6-Tribromophenol (S)	%						65	59	41-108				
2-Fluorobiphenyl (S)	%						68	62	39-136				
2-Fluorophenol (S)	%						61	53	43-96				
Nitrobenzene-d5 (S)	%						57	52	33-132				
Phenol-d6 (S)	%						60	53	43-95				
Terphenyl-d14 (S)	%						71	63	29-131				

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QUALITY CONTROL DATA

Project: PINE LAWN

Pace Project No.: 60349352

QC Batch: 679544

Analysis Method: EPA 8270

QC Batch Method: EPA 3546

Analysis Description: 8270 MSSV TPH ORO

Laboratory: Pace Analytical Services - Kansas City

Associated Lab Samples: 60349352001, 60349352002, 60349352003, 60349352004, 60349352005, 60349352006

METHOD BLANK: 2747562

Matrix: Solid

Associated Lab Samples: 60349352001, 60349352002, 60349352003, 60349352004, 60349352005, 60349352006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
TPH-DRO	mg/kg	ND	14.3	10/05/20 12:13	
TPH-ORO	mg/kg	ND	14.3	10/05/20 12:13	
2-Fluorobiphenyl (S)	%	91	39-136	10/05/20 12:13	
Nitrobenzene-d5 (S)	%	84	33-132	10/05/20 12:13	
Terphenyl-d14 (S)	%	100	29-131	10/05/20 12:13	

LABORATORY CONTROL SAMPLE: 2747563

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
TPH-DRO	mg/kg	321	271	84	39-122	
2-Fluorobiphenyl (S)	%			90	39-136	
Nitrobenzene-d5 (S)	%			87	33-132	
Terphenyl-d14 (S)	%			100	29-131	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2747564 2747565

Parameter	Units	60349310001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
TPH-DRO	mg/kg	ND	381	386	301	342	79	89	12-137	13	38	
2-Fluorobiphenyl (S)	%						84	93	39-136			
Nitrobenzene-d5 (S)	%						82	91	33-132			
Terphenyl-d14 (S)	%						92	100	29-131			

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QUALITY CONTROL DATA

Project: PINE LAWN

Pace Project No.: 60349352

QC Batch: 679004

Analysis Method: ASTM D2974

QC Batch Method: ASTM D2974

Analysis Description: Dry Weight/Percent Moisture

Laboratory: Pace Analytical Services - Kansas City

Associated Lab Samples: 60349352001, 60349352002, 60349352003, 60349352004, 60349352005, 60349352006

METHOD BLANK: 2745353

Matrix: Solid

Associated Lab Samples: 60349352001, 60349352002, 60349352003, 60349352004, 60349352005, 60349352006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Percent Moisture	%	ND	0.50	09/25/20 11:09	

SAMPLE DUPLICATE: 2745354

Parameter	Units	60349272001 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	50.6	50.6	0	20	

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QUALIFIERS

Project: PINE LAWN

Pace Project No.: 60349352

DEFINITIONS

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

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

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

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

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

S - Surrogate

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

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

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

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

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

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

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

1e	Surrogate recovery outside laboratory control limits due to sample matrix interference (not confirmed by re-analysis).
D3	Sample was diluted due to the presence of high levels of non-target analytes or other matrix interference.
D4	Sample was diluted due to the presence of high levels of target analytes.
E	Analyte concentration exceeded the calibration range. The reported result is estimated.
L1	Analyte recovery in the laboratory control sample (LCS) was above QC limits. Results for this analyte in associated samples may be biased high.
M1	Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.
P3	Sample extract could not be concentrated to the routine final volume, resulting in elevated reporting limits.
R1	RPD value was outside control limits.
S0	Surrogate recovery outside laboratory control limits.
S4	Surrogate recovery not evaluated against control limits due to sample dilution.
SS	This analyte did not meet the secondary source verification criteria for the initial calibration. The reported result should be considered an estimated value.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: PINE LAWN

Pace Project No.: 60349352

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
60349352001	DPT-12-SO-(1-3)	EPA 3546	679802	EPA 8082	680480
60349352002	DPT-12-SO-(1-3)-FD	EPA 3546	679802	EPA 8082	680480
60349352003	DPT-12-SO-(5-6)	EPA 3546	679802	EPA 8082	680480
60349352004	DPT-12-SO-(27-28)	EPA 3546	679802	EPA 8082	680480
60349352005	DPT-13-SO-(29-30)	EPA 3546	679802	EPA 8082	680480
60349352006	DPT-14-SO-(13-14)	EPA 3546	679802	EPA 8082	680480
60349352001	DPT-12-SO-(1-3)	EPA 3050	680402	EPA 6010	680676
60349352002	DPT-12-SO-(1-3)-FD	EPA 3050	680402	EPA 6010	680676
60349352003	DPT-12-SO-(5-6)	EPA 3050	680402	EPA 6010	680676
60349352004	DPT-12-SO-(27-28)	EPA 3050	680402	EPA 6010	680676
60349352005	DPT-13-SO-(29-30)	EPA 3050	680402	EPA 6010	680676
60349352006	DPT-14-SO-(13-14)	EPA 3050	680402	EPA 6010	680676
60349352001	DPT-12-SO-(1-3)	EPA 7471	679970	EPA 7471	680181
60349352002	DPT-12-SO-(1-3)-FD	EPA 7471	679970	EPA 7471	680181
60349352003	DPT-12-SO-(5-6)	EPA 7471	679971	EPA 7471	680182
60349352004	DPT-12-SO-(27-28)	EPA 7471	679971	EPA 7471	680182
60349352005	DPT-13-SO-(29-30)	EPA 7471	679971	EPA 7471	680182
60349352006	DPT-14-SO-(13-14)	EPA 7471	679971	EPA 7471	680182
60349352001	DPT-12-SO-(1-3)	EPA 3546	679538	EPA 8270	679906
60349352002	DPT-12-SO-(1-3)-FD	EPA 3546	679538	EPA 8270	679906
60349352003	DPT-12-SO-(5-6)	EPA 3546	679538	EPA 8270	679906
60349352004	DPT-12-SO-(27-28)	EPA 3546	679538	EPA 8270	679906
60349352005	DPT-13-SO-(29-30)	EPA 3546	679541	EPA 8270	680630
60349352006	DPT-14-SO-(13-14)	EPA 3546	679541	EPA 8270	680630
60349352001	DPT-12-SO-(1-3)	EPA 3546	679544	EPA 8270	680716
60349352002	DPT-12-SO-(1-3)-FD	EPA 3546	679544	EPA 8270	680716
60349352003	DPT-12-SO-(5-6)	EPA 3546	679544	EPA 8270	680716
60349352004	DPT-12-SO-(27-28)	EPA 3546	679544	EPA 8270	680716
60349352005	DPT-13-SO-(29-30)	EPA 3546	679544	EPA 8270	680716
60349352006	DPT-14-SO-(13-14)	EPA 3546	679544	EPA 8270	680716
60349352004	DPT-12-SO-(27-28)	EPA 5035A/5030	679357	EPA 8260B	679422
60349352005	DPT-13-SO-(29-30)	EPA 5035A/5030	679357	EPA 8260B	679422
60349352006	DPT-14-SO-(13-14)	EPA 5035A/5030	679357	EPA 8260B	679422
60349352007	PINE LAWN-SO-TB5	EPA 5035A/5030	679165	EPA 8260B	679169
60349352001	DPT-12-SO-(1-3)	EPA 5035A/5030B	679322	EPA 8260B	679423
60349352002	DPT-12-SO-(1-3)-FD	EPA 5035A/5030B	679322	EPA 8260B	679423
60349352003	DPT-12-SO-(5-6)	EPA 5035A/5030B	679322	EPA 8260B	679423
60349352006	DPT-14-SO-(13-14)	EPA 5035A/5030B	679697	EPA 8260B	679719
60349352001	DPT-12-SO-(1-3)	EPA 5035/5030	679323	EPA 5035A/8260	679424
60349352002	DPT-12-SO-(1-3)-FD	EPA 5035/5030	679323	EPA 5035A/8260	679424
60349352003	DPT-12-SO-(5-6)	EPA 5035/5030	679323	EPA 5035A/8260	679424
60349352004	DPT-12-SO-(27-28)	EPA 5035	679525	EPA 8260	679561
60349352005	DPT-13-SO-(29-30)	EPA 5035	679525	EPA 8260	679561

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: PINE LAWN

Pace Project No.: 60349352

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
60349352006	DPT-14-SO-(13-14)	EPA 5035	679525	EPA 8260	679561
60349352001	DPT-12-SO-(1-3)	ASTM D2974	679004		
60349352002	DPT-12-SO-(1-3)-FD	ASTM D2974	679004		
60349352003	DPT-12-SO-(5-6)	ASTM D2974	679004		
60349352004	DPT-12-SO-(27-28)	ASTM D2974	679004		
60349352005	DPT-13-SO-(29-30)	ASTM D2974	679004		
60349352006	DPT-14-SO-(13-14)	ASTM D2974	679004		

REPORT OF LABORATORY ANALYSIS

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Sample Condition Upon Receipt

WO# : 60349352



Client Name: Tetra Tech

Courier: FedEx ☐ UPS ☐ VIA ☐ Clay ☐ PEX ☐ ECI ☐ Pace ☐ Xroads ☒ Client ☐ Other ☐

Tracking #: _____ Pace Shipping Label Used? Yes ☐ No ☒

Custody Seal on Cooler/Box Present: Yes ☒ No ☐ Seals intact: Yes ☒ No ☐

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

Thermometer Used: T-299 Type of Ice: Wet Blue ☐ None ☐

Cooler Temperature (°C): As-read 1.8 Corr. Factor +0.2 Corrected 2.0

Date and initials of person examining contents:

pv9/24/20

Temperature should be above freezing to 6°C

Chain of Custody present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Chain of Custody relinquished:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Samples arrived within holding time:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Short Hold Time analyses (<72hr):	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	
Rush Turn Around Time requested:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	
Sufficient volume:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Correct containers used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Pace containers used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Containers intact:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Unpreserved 5035A / TX1005/1006 soils frozen in 48hrs?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
Filtered volume received for dissolved tests?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
Sample labels match COC: Date / time / ID / analyses	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Samples contain multiple phases? Matrix: <u>SL</u>	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	
Containers requiring pH preservation in compliance? (HNO ₃ , H ₂ SO ₄ , HCl<2; NaOH>9 Sulfide, NaOH>10 Cyanide) (Exceptions: VOA, Micro, O&G, KS TPH, OK-DRO)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	List sample IDs, volumes, lot #'s of preservative and the date/time added.
Cyanide water sample checks:		
Lead acetate strip turns dark? (Record only)	<input type="checkbox"/> Yes <input type="checkbox"/> No	
Potassium iodide test strip turns blue/purple? (Preserve)	<input type="checkbox"/> Yes <input type="checkbox"/> No	
Trip Blank present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Headspace in VOA vials (>6mm):	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
Samples from USDA Regulated Area: State: <u>mo</u>	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	
Additional labels attached to 5035A / TX1005 vials in the field?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	

Client Notification/ Resolution:

Copy COC to Client? Y / N

Field Data Required? Y / N

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

Project Manager Review:

Jeffrey Shopper

Date: _____

[illegible]

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

October 08, 2020

Kaitlyn Mitchell
Tetra Tech EMI
415 Oak
Kansas City, MO 64106

RE: Project: PINE LAWN
Pace Project No.: 60349444

Dear Kaitlyn Mitchell:

Enclosed are the analytical results for sample(s) received by the laboratory on September 25, 2020. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

- Pace Analytical Services - Kansas City

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

Sincerely,



Jeffrey Shopper
jeff.shopper@pacelabs.com
1(913)563-1408
Project Manager

Enclosures



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: PINE LAWN

Pace Project No.: 60349444

Pace Analytical Services Kansas

9608 Loiret Boulevard, Lenexa, KS 66219

Missouri Inorganic Drinking Water Certification #: 10090

Arkansas Drinking Water

Arkansas Certification #: 20-020-0

Arkansas Drinking Water

Illinois Certification #: 200030

Iowa Certification #: 118

Kansas/NELAP Certification #: E-10116

Louisiana Certification #: 03055

Nevada Certification #: KS000212020-2

Oklahoma Certification #: 9205/9935

Florida: Cert E871149 SEKS WET

Texas Certification #: T104704407-19-12

Utah Certification #: KS000212019-9

Illinois Certification #: 004592

Kansas Field Laboratory Accreditation: # E-92587

Missouri SEKS Micro Certification: 10070

REPORT OF LABORATORY ANALYSIS

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SAMPLE SUMMARY

Project: PINE LAWN

Pace Project No.: 60349444

Lab ID	Sample ID	Matrix	Date Collected	Date Received
60349444001	DPT-30-SO-(0-3)	Solid	09/24/20 16:15	09/25/20 04:55
60349444002	DPT-30-SO-(29-30)	Solid	09/24/20 16:38	09/25/20 04:55
60349444003	DPT-31-SO-(0-3)	Solid	09/24/20 16:52	09/25/20 04:55
60349444004	DPT-31-SO-(29-30)	Solid	09/24/20 17:15	09/25/20 04:55
60349444005	DPT-32-SO-(0-3)	Solid	09/24/20 17:30	09/25/20 04:55
60349444006	DPT-32-SO-(24.5-25.5)	Solid	09/24/20 17:48	09/25/20 04:55
60349444007	PILE LAWN-SO-TB9	Solid	09/24/20 17:54	09/25/20 04:55

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: PINE LAWN

Pace Project No.: 60349444

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
60349444001	DPT-30-SO-(0-3)	EPA 8082	AJB1	8	PASI-K
		EPA 6010	TDS	7	PASI-K
		EPA 7471	MRV	1	PASI-K
		EPA 8270	JMT	73	PASI-K
		EPA 8270	NAW	5	PASI-K
		EPA 8260B	RAD	68	PASI-K
		EPA 8260	RAD	4	PASI-K
		ASTM D2974	DWC	1	PASI-K
60349444002	DPT-30-SO-(29-30)	EPA 8082	AJB1	8	PASI-K
		EPA 6010	TDS	7	PASI-K
		EPA 7471	MRV	1	PASI-K
		EPA 8270	JMT	73	PASI-K
		EPA 8270	NAW	5	PASI-K
		EPA 8260B	RAD	68	PASI-K
		EPA 8260	RAD	4	PASI-K
		ASTM D2974	DWC	1	PASI-K
60349444003	DPT-31-SO-(0-3)	EPA 8082	AJB1	8	PASI-K
		EPA 6010	TDS	7	PASI-K
		EPA 7471	MRV	1	PASI-K
		EPA 8270	JMT	73	PASI-K
		EPA 8270	NAW	5	PASI-K
		EPA 8260B	RAD	68	PASI-K
		EPA 8260	RAD	4	PASI-K
		ASTM D2974	DWC	1	PASI-K
60349444004	DPT-31-SO-(29-30)	EPA 8082	AJB1	8	PASI-K
		EPA 6010	TDS	7	PASI-K
		EPA 7471	MRV	1	PASI-K
		EPA 8270	JMT	73	PASI-K
		EPA 8270	NAW	5	PASI-K
		EPA 8260B	RAD	68	PASI-K
		EPA 8260	RAD	4	PASI-K
		ASTM D2974	DWC	1	PASI-K
60349444005	DPT-32-SO-(0-3)	EPA 8082	AJB1	8	PASI-K
		EPA 6010	TDS	7	PASI-K
		EPA 7471	MRV	1	PASI-K
		EPA 8270	JMT	73	PASI-K
		EPA 8270	NAW	5	PASI-K

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: PINE LAWN

Pace Project No.: 60349444

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
60349444006	DPT-32-SO-(24.5-25.5)	EPA 8260B	RAD	68	PASI-K
		EPA 8260	RAD	4	PASI-K
		ASTM D2974	DWC	1	PASI-K
		EPA 8082	AJB1	8	PASI-K
		EPA 6010	TDS	7	PASI-K
		EPA 7471	MRV	1	PASI-K
		EPA 8270	JMT	73	PASI-K
		EPA 8270	NAW	5	PASI-K
		EPA 8260B	RAD	68	PASI-K
		EPA 8260	RAD	4	PASI-K
		ASTM D2974	DWC	1	PASI-K
		EPA 8260B	RAD	68	PASI-K
60349444007	PILE LAWN-SO-TB9	EPA 8260B	RAD	68	PASI-K

PASI-K = Pace Analytical Services - Kansas City

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: PINE LAWN

Pace Project No.: 60349444

Sample: DPT-30-SO-(0-3) **Lab ID:** 60349444001 **Collected:** 09/24/20 16:15 **Received:** 09/25/20 04:55 **Matrix:** Solid

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

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8082 GCS PCB SW								
Analytical Method: EPA 8082 Preparation Method: EPA 3546								
Pace Analytical Services - Kansas City								
PCB-1016 (Aroclor 1016)	ND	ug/kg	38.4	1	09/30/20 15:02	10/02/20 17:25	12674-11-2	
PCB-1221 (Aroclor 1221)	ND	ug/kg	38.4	1	09/30/20 15:02	10/02/20 17:25	11104-28-2	
PCB-1232 (Aroclor 1232)	ND	ug/kg	38.4	1	09/30/20 15:02	10/02/20 17:25	11141-16-5	
PCB-1242 (Aroclor 1242)	ND	ug/kg	38.4	1	09/30/20 15:02	10/02/20 17:25	53469-21-9	
PCB-1248 (Aroclor 1248)	ND	ug/kg	38.4	1	09/30/20 15:02	10/02/20 17:25	12672-29-6	
PCB-1254 (Aroclor 1254)	ND	ug/kg	38.4	1	09/30/20 15:02	10/02/20 17:25	11097-69-1	
PCB-1260 (Aroclor 1260)	ND	ug/kg	38.4	1	09/30/20 15:02	10/02/20 17:25	11096-82-5	
Surrogates								
Decachlorobiphenyl (S)	84	%	28-143	1	09/30/20 15:02	10/02/20 17:25	2051-24-3	
6010 MET ICP Red. Interference								
Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Pace Analytical Services - Kansas City								
Arsenic	11.0	mg/kg	1.1	1	10/05/20 14:38	10/07/20 10:03	7440-38-2	M1
Barium	168	mg/kg	0.55	1	10/05/20 14:38	10/07/20 10:03	7440-39-3	
Cadmium	ND	mg/kg	0.55	1	10/05/20 14:38	10/07/20 10:03	7440-43-9	
Chromium	26.0	mg/kg	0.55	1	10/05/20 14:38	10/07/20 10:03	7440-47-3	
Lead	16.4	mg/kg	1.1	1	10/05/20 14:38	10/07/20 10:03	7439-92-1	
Selenium	ND	mg/kg	1.7	1	10/05/20 14:38	10/07/20 10:03	7782-49-2	
Silver	ND	mg/kg	0.77	1	10/05/20 14:38	10/07/20 10:03	7440-22-4	
7471 Mercury								
Analytical Method: EPA 7471 Preparation Method: EPA 7471								
Pace Analytical Services - Kansas City								
Mercury	ND	mg/kg	0.046	1	10/05/20 10:25	10/06/20 10:47	7439-97-6	
8270 MSSV Semivolatiles								
Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Pace Analytical Services - Kansas City								
Acenaphthene	ND	ug/kg	1970	1	09/30/20 12:08	10/06/20 16:01	83-32-9	
Acenaphthylene	ND	ug/kg	1970	1	09/30/20 12:08	10/06/20 16:01	208-96-8	
Anthracene	ND	ug/kg	1970	1	09/30/20 12:08	10/06/20 16:01	120-12-7	
Benzo(a)anthracene	ND	ug/kg	1970	1	09/30/20 12:08	10/06/20 16:01	56-55-3	
Benzo(a)pyrene	ND	ug/kg	1970	1	09/30/20 12:08	10/06/20 16:01	50-32-8	
Benzo(b)fluoranthene	ND	ug/kg	1970	1	09/30/20 12:08	10/06/20 16:01	205-99-2	
Benzo(g,h,i)perylene	ND	ug/kg	1970	1	09/30/20 12:08	10/06/20 16:01	191-24-2	
Benzo(k)fluoranthene	ND	ug/kg	1970	1	09/30/20 12:08	10/06/20 16:01	207-08-9	
Benzoic Acid	ND	ug/kg	9950	1	09/30/20 12:08	10/06/20 16:01	65-85-0	
Benzyl alcohol	ND	ug/kg	3930	1	09/30/20 12:08	10/06/20 16:01	100-51-6	
4-Bromophenylphenyl ether	ND	ug/kg	1970	1	09/30/20 12:08	10/06/20 16:01	101-55-3	
Butylbenzylphthalate	ND	ug/kg	1970	1	09/30/20 12:08	10/06/20 16:01	85-68-7	
Carbazole	ND	ug/kg	1970	1	09/30/20 12:08	10/06/20 16:01	86-74-8	
4-Chloro-3-methylphenol	ND	ug/kg	3930	1	09/30/20 12:08	10/06/20 16:01	59-50-7	
4-Chloroaniline	ND	ug/kg	3930	1	09/30/20 12:08	10/06/20 16:01	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/kg	1970	1	09/30/20 12:08	10/06/20 16:01	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/kg	1970	1	09/30/20 12:08	10/06/20 16:01	111-44-4	
bis(2-Chloroisopropyl) ether	ND	ug/kg	1970	1	09/30/20 12:08	10/06/20 16:01	108-60-1	
2-Chloronaphthalene	ND	ug/kg	1970	1	09/30/20 12:08	10/06/20 16:01	91-58-7	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: PINE LAWN

Pace Project No.: 60349444

Sample: DPT-30-SO-(0-3) **Lab ID: 60349444001** Collected: 09/24/20 16:15 Received: 09/25/20 04:55 Matrix: Solid

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

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Semivolatiles		Analytical Method: EPA 8270 Preparation Method: EPA 3546 Pace Analytical Services - Kansas City						
2-Chlorophenol	ND	ug/kg	1970	1	09/30/20 12:08	10/06/20 16:01	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/kg	1970	1	09/30/20 12:08	10/06/20 16:01	7005-72-3	
Chrysene	ND	ug/kg	1970	1	09/30/20 12:08	10/06/20 16:01	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	1970	1	09/30/20 12:08	10/06/20 16:01	53-70-3	
Dibenzofuran	ND	ug/kg	1970	1	09/30/20 12:08	10/06/20 16:01	132-64-9	
1,2-Dichlorobenzene	ND	ug/kg	1970	1	09/30/20 12:08	10/06/20 16:01	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	1970	1	09/30/20 12:08	10/06/20 16:01	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	1970	1	09/30/20 12:08	10/06/20 16:01	106-46-7	
3,3'-Dichlorobenzidine	ND	ug/kg	3930	1	09/30/20 12:08	10/06/20 16:01	91-94-1	
2,4-Dichlorophenol	ND	ug/kg	1970	1	09/30/20 12:08	10/06/20 16:01	120-83-2	
Diethylphthalate	ND	ug/kg	1970	1	09/30/20 12:08	10/06/20 16:01	84-66-2	
2,4-Dimethylphenol	ND	ug/kg	1970	1	09/30/20 12:08	10/06/20 16:01	105-67-9	
Dimethylphthalate	ND	ug/kg	1970	1	09/30/20 12:08	10/06/20 16:01	131-11-3	
Di-n-butylphthalate	ND	ug/kg	1970	1	09/30/20 12:08	10/06/20 16:01	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/kg	9950	1	09/30/20 12:08	10/06/20 16:01	534-52-1	
2,4-Dinitrophenol	ND	ug/kg	9950	1	09/30/20 12:08	10/06/20 16:01	51-28-5	
2,4-Dinitrotoluene	ND	ug/kg	1970	1	09/30/20 12:08	10/06/20 16:01	121-14-2	
2,6-Dinitrotoluene	ND	ug/kg	1970	1	09/30/20 12:08	10/06/20 16:01	606-20-2	
Di-n-octylphthalate	ND	ug/kg	1970	1	09/30/20 12:08	10/06/20 16:01	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/kg	1970	1	09/30/20 12:08	10/06/20 16:01	117-81-7	
Fluoranthene	ND	ug/kg	1970	1	09/30/20 12:08	10/06/20 16:01	206-44-0	
Fluorene	ND	ug/kg	1970	1	09/30/20 12:08	10/06/20 16:01	86-73-7	
Hexachloro-1,3-butadiene	ND	ug/kg	1970	1	09/30/20 12:08	10/06/20 16:01	87-68-3	
Hexachlorobenzene	ND	ug/kg	1970	1	09/30/20 12:08	10/06/20 16:01	118-74-1	
Hexachlorocyclopentadiene	ND	ug/kg	1970	1	09/30/20 12:08	10/06/20 16:01	77-47-4	
Hexachloroethane	ND	ug/kg	1970	1	09/30/20 12:08	10/06/20 16:01	67-72-1	
Indeno(1,2,3-cd)pyrene	ND	ug/kg	1970	1	09/30/20 12:08	10/06/20 16:01	193-39-5	
Isophorone	ND	ug/kg	1970	1	09/30/20 12:08	10/06/20 16:01	78-59-1	
2-Methylnaphthalene	ND	ug/kg	1970	1	09/30/20 12:08	10/06/20 16:01	91-57-6	
2-Methylphenol(o-Cresol)	ND	ug/kg	1970	1	09/30/20 12:08	10/06/20 16:01	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/kg	1970	1	09/30/20 12:08	10/06/20 16:01	15831-10-4	
Naphthalene	ND	ug/kg	1970	1	09/30/20 12:08	10/06/20 16:01	91-20-3	
2-Nitroaniline	ND	ug/kg	3930	1	09/30/20 12:08	10/06/20 16:01	88-74-4	
3-Nitroaniline	ND	ug/kg	3930	1	09/30/20 12:08	10/06/20 16:01	99-09-2	
4-Nitroaniline	ND	ug/kg	3930	1	09/30/20 12:08	10/06/20 16:01	100-01-6	
Nitrobenzene	ND	ug/kg	1970	1	09/30/20 12:08	10/06/20 16:01	98-95-3	
2-Nitrophenol	ND	ug/kg	1970	1	09/30/20 12:08	10/06/20 16:01	88-75-5	
4-Nitrophenol	ND	ug/kg	9950	1	09/30/20 12:08	10/06/20 16:01	100-02-7	
N-Nitroso-di-n-propylamine	ND	ug/kg	1970	1	09/30/20 12:08	10/06/20 16:01	621-64-7	
N-Nitrosodiphenylamine	ND	ug/kg	1970	1	09/30/20 12:08	10/06/20 16:01	86-30-6	
Pentachlorophenol	ND	ug/kg	9950	1	09/30/20 12:08	10/06/20 16:01	87-86-5	
Phenanthrene	ND	ug/kg	1970	1	09/30/20 12:08	10/06/20 16:01	85-01-8	
Phenol	ND	ug/kg	1970	1	09/30/20 12:08	10/06/20 16:01	108-95-2	
Pyrene	ND	ug/kg	1970	1	09/30/20 12:08	10/06/20 16:01	129-00-0	
Pyridine	ND	ug/kg	1970	1	09/30/20 12:08	10/06/20 16:01	110-86-1	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: PINE LAWN

Pace Project No.: 60349444

Sample: DPT-30-SO-(0-3) Lab ID: 60349444001 Collected: 09/24/20 16:15 Received: 09/25/20 04:55 Matrix: Solid

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

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Semivolatiles								
Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Pace Analytical Services - Kansas City								
1,2,4-Trichlorobenzene	ND	ug/kg	1970	1	09/30/20 12:08	10/06/20 16:01	120-82-1	
2,4,5-Trichlorophenol	ND	ug/kg	1970	1	09/30/20 12:08	10/06/20 16:01	95-95-4	
2,4,6-Trichlorophenol	ND	ug/kg	1970	1	09/30/20 12:08	10/06/20 16:01	88-06-2	
Surrogates								
Nitrobenzene-d5 (S)	67	%	33-132	1	09/30/20 12:08	10/06/20 16:01	4165-60-0	P3
2-Fluorobiphenyl (S)	83	%	39-136	1	09/30/20 12:08	10/06/20 16:01	321-60-8	
Terphenyl-d14 (S)	86	%	29-131	1	09/30/20 12:08	10/06/20 16:01	1718-51-0	
Phenol-d6 (S)	72	%	43-95	1	09/30/20 12:08	10/06/20 16:01	13127-88-3	
2-Fluorophenol (S)	71	%	43-96	1	09/30/20 12:08	10/06/20 16:01	367-12-4	
2,4,6-Tribromophenol (S)	73	%	41-108	1	09/30/20 12:08	10/06/20 16:01	118-79-6	
8270 MSSV DRO/ORO								
Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Pace Analytical Services - Kansas City								
TPH-ORO	ND	mg/kg	17.1	1	09/30/20 14:55	10/07/20 19:09		
TPH-DRO	ND	mg/kg	17.1	1	09/30/20 14:55	10/07/20 19:09		
Surrogates								
Nitrobenzene-d5 (S)	75	%	33-132	1	09/30/20 14:55	10/07/20 19:09	4165-60-0	
2-Fluorobiphenyl (S)	83	%	39-136	1	09/30/20 14:55	10/07/20 19:09	321-60-8	
Terphenyl-d14 (S)	86	%	29-131	1	09/30/20 14:55	10/07/20 19:09	1718-51-0	
8260 MSV 5035A VOA								
Analytical Method: EPA 8260B Preparation Method: EPA 5035A/5030								
Pace Analytical Services - Kansas City								
Acetone	129	ug/kg	13.8	1	10/01/20 09:39	10/01/20 11:35	67-64-1	
Benzene	ND	ug/kg	3.4	1	10/01/20 09:39	10/01/20 11:35	71-43-2	
Bromobenzene	ND	ug/kg	3.4	1	10/01/20 09:39	10/01/20 11:35	108-86-1	
Bromochloromethane	ND	ug/kg	3.4	1	10/01/20 09:39	10/01/20 11:35	74-97-5	
Bromodichloromethane	ND	ug/kg	3.4	1	10/01/20 09:39	10/01/20 11:35	75-27-4	
Bromoform	ND	ug/kg	3.4	1	10/01/20 09:39	10/01/20 11:35	75-25-2	
Bromomethane	ND	ug/kg	3.4	1	10/01/20 09:39	10/01/20 11:35	74-83-9	
2-Butanone (MEK)	13.3	ug/kg	6.9	1	10/01/20 09:39	10/01/20 11:35	78-93-3	
n-Butylbenzene	ND	ug/kg	3.4	1	10/01/20 09:39	10/01/20 11:35	104-51-8	
sec-Butylbenzene	ND	ug/kg	3.4	1	10/01/20 09:39	10/01/20 11:35	135-98-8	
tert-Butylbenzene	ND	ug/kg	17.2	1	10/01/20 09:39	10/01/20 11:35	98-06-6	
Carbon disulfide	ND	ug/kg	3.4	1	10/01/20 09:39	10/01/20 11:35	75-15-0	
Carbon tetrachloride	ND	ug/kg	3.4	1	10/01/20 09:39	10/01/20 11:35	56-23-5	
Chlorobenzene	ND	ug/kg	3.4	1	10/01/20 09:39	10/01/20 11:35	108-90-7	
Chloroethane	ND	ug/kg	3.4	1	10/01/20 09:39	10/01/20 11:35	75-00-3	
Chloroform	ND	ug/kg	3.4	1	10/01/20 09:39	10/01/20 11:35	67-66-3	
Chloromethane	ND	ug/kg	3.4	1	10/01/20 09:39	10/01/20 11:35	74-87-3	
2-Chlorotoluene	ND	ug/kg	3.4	1	10/01/20 09:39	10/01/20 11:35	95-49-8	
4-Chlorotoluene	ND	ug/kg	3.4	1	10/01/20 09:39	10/01/20 11:35	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/kg	6.9	1	10/01/20 09:39	10/01/20 11:35	96-12-8	
Dibromochloromethane	ND	ug/kg	3.4	1	10/01/20 09:39	10/01/20 11:35	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	3.4	1	10/01/20 09:39	10/01/20 11:35	106-93-4	
Dibromomethane	ND	ug/kg	3.4	1	10/01/20 09:39	10/01/20 11:35	74-95-3	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: PINE LAWN

Pace Project No.: 60349444

Sample: DPT-30-SO-(0-3) Lab ID: 60349444001 Collected: 09/24/20 16:15 Received: 09/25/20 04:55 Matrix: Solid

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

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035A VOA		Analytical Method: EPA 8260B Preparation Method: EPA 5035A/5030 Pace Analytical Services - Kansas City						
1,2-Dichlorobenzene	ND	ug/kg	3.4	1	10/01/20 09:39	10/01/20 11:35	95-50-1	SS
1,3-Dichlorobenzene	ND	ug/kg	3.4	1	10/01/20 09:39	10/01/20 11:35	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	3.4	1	10/01/20 09:39	10/01/20 11:35	106-46-7	
Dichlorodifluoromethane	ND	ug/kg	3.4	1	10/01/20 09:39	10/01/20 11:35	75-71-8	
1,1-Dichloroethane	ND	ug/kg	3.4	1	10/01/20 09:39	10/01/20 11:35	75-34-3	
1,2-Dichloroethane	ND	ug/kg	3.4	1	10/01/20 09:39	10/01/20 11:35	107-06-2	
1,2-Dichloroethene (Total)	ND	ug/kg	3.4	1	10/01/20 09:39	10/01/20 11:35	540-59-0	
1,1-Dichloroethene	ND	ug/kg	3.4	1	10/01/20 09:39	10/01/20 11:35	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	3.4	1	10/01/20 09:39	10/01/20 11:35	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	3.4	1	10/01/20 09:39	10/01/20 11:35	156-60-5	
1,2-Dichloropropane	ND	ug/kg	3.4	1	10/01/20 09:39	10/01/20 11:35	78-87-5	
1,3-Dichloropropane	ND	ug/kg	3.4	1	10/01/20 09:39	10/01/20 11:35	142-28-9	
2,2-Dichloropropane	ND	ug/kg	3.4	1	10/01/20 09:39	10/01/20 11:35	594-20-7	
1,1-Dichloropropene	ND	ug/kg	3.4	1	10/01/20 09:39	10/01/20 11:35	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	3.4	1	10/01/20 09:39	10/01/20 11:35	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	3.4	1	10/01/20 09:39	10/01/20 11:35	10061-02-6	
Ethylbenzene	ND	ug/kg	3.4	1	10/01/20 09:39	10/01/20 11:35	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/kg	3.4	1	10/01/20 09:39	10/01/20 11:35	87-68-3	
2-Hexanone	ND	ug/kg	13.8	1	10/01/20 09:39	10/01/20 11:35	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/kg	3.4	1	10/01/20 09:39	10/01/20 11:35	98-82-8	
p-Isopropyltoluene	ND	ug/kg	3.4	1	10/01/20 09:39	10/01/20 11:35	99-87-6	
Methylene Chloride	ND	ug/kg	3.4	1	10/01/20 09:39	10/01/20 11:35	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	6.9	1	10/01/20 09:39	10/01/20 11:35	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	3.4	1	10/01/20 09:39	10/01/20 11:35	1634-04-4	
Naphthalene	ND	ug/kg	6.9	1	10/01/20 09:39	10/01/20 11:35	91-20-3	
n-Propylbenzene	ND	ug/kg	3.4	1	10/01/20 09:39	10/01/20 11:35	103-65-1	
Styrene	ND	ug/kg	3.4	1	10/01/20 09:39	10/01/20 11:35	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	3.4	1	10/01/20 09:39	10/01/20 11:35	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	3.4	1	10/01/20 09:39	10/01/20 11:35	79-34-5	
Tetrachloroethene	ND	ug/kg	3.4	1	10/01/20 09:39	10/01/20 11:35	127-18-4	
Toluene	ND	ug/kg	3.4	1	10/01/20 09:39	10/01/20 11:35	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	3.4	1	10/01/20 09:39	10/01/20 11:35	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	3.4	1	10/01/20 09:39	10/01/20 11:35	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	3.4	1	10/01/20 09:39	10/01/20 11:35	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	3.4	1	10/01/20 09:39	10/01/20 11:35	79-00-5	
Trichloroethene	ND	ug/kg	3.4	1	10/01/20 09:39	10/01/20 11:35	79-01-6	
Trichlorofluoromethane	ND	ug/kg	3.4	1	10/01/20 09:39	10/01/20 11:35	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	3.4	1	10/01/20 09:39	10/01/20 11:35	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/kg	3.4	1	10/01/20 09:39	10/01/20 11:35	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	3.4	1	10/01/20 09:39	10/01/20 11:35	108-67-8	
Vinyl chloride	ND	ug/kg	3.4	1	10/01/20 09:39	10/01/20 11:35	75-01-4	
Xylene (Total)	ND	ug/kg	3.4	1	10/01/20 09:39	10/01/20 11:35	1330-20-7	
Surrogates								
Toluene-d8 (S)	101	%	80-120	1	10/01/20 09:39	10/01/20 11:35	2037-26-5	
4-Bromofluorobenzene (S)	96	%	85-115	1	10/01/20 09:39	10/01/20 11:35	460-00-4	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: PINE LAWN

Pace Project No.: 60349444

Sample: DPT-30-SO-(0-3) **Lab ID:** 60349444001 Collected: 09/24/20 16:15 Received: 09/25/20 04:55 Matrix: Solid

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

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035A VOA								
Analytical Method: EPA 8260B Preparation Method: EPA 5035A/5030								
Pace Analytical Services - Kansas City								
Surrogates								
1,2-Dichloroethane-d4 (S)	107	%	78-118	1	10/01/20 09:39	10/01/20 11:35	17060-07-0	
8260 MSV GRO and Oxygenates								
Analytical Method: EPA 8260 Preparation Method: EPA 5035								
Pace Analytical Services - Kansas City								
TPH-GRO	ND	mg/kg	0.34	1	10/01/20 09:39	10/01/20 11:35		
Surrogates								
Toluene-d8 (S)	101	%	78-122	1	10/01/20 09:39	10/01/20 11:35	2037-26-5	
4-Bromofluorobenzene (S)	96	%	69-133	1	10/01/20 09:39	10/01/20 11:35	460-00-4	
1,2-Dichloroethane-d4 (S)	107	%	80-123	1	10/01/20 09:39	10/01/20 11:35	17060-07-0	
Percent Moisture								
Analytical Method: ASTM D2974								
Pace Analytical Services - Kansas City								
Percent Moisture	16.2	%	0.50	1		09/29/20 14:17		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: PINE LAWN

Pace Project No.: 60349444

Sample: DPT-30-SO-(29-30) Lab ID: 60349444002 Collected: 09/24/20 16:38 Received: 09/25/20 04:55 Matrix: Solid

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

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8082 GCS PCB SW								
Analytical Method: EPA 8082 Preparation Method: EPA 3546								
Pace Analytical Services - Kansas City								
PCB-1016 (Aroclor 1016)	ND	ug/kg	38.6	1	09/30/20 15:02	10/02/20 18:19	12674-11-2	
PCB-1221 (Aroclor 1221)	ND	ug/kg	38.6	1	09/30/20 15:02	10/02/20 18:19	11104-28-2	
PCB-1232 (Aroclor 1232)	ND	ug/kg	38.6	1	09/30/20 15:02	10/02/20 18:19	11141-16-5	
PCB-1242 (Aroclor 1242)	ND	ug/kg	38.6	1	09/30/20 15:02	10/02/20 18:19	53469-21-9	
PCB-1248 (Aroclor 1248)	ND	ug/kg	38.6	1	09/30/20 15:02	10/02/20 18:19	12672-29-6	
PCB-1254 (Aroclor 1254)	ND	ug/kg	38.6	1	09/30/20 15:02	10/02/20 18:19	11097-69-1	
PCB-1260 (Aroclor 1260)	ND	ug/kg	38.6	1	09/30/20 15:02	10/02/20 18:19	11096-82-5	
Surrogates								
Decachlorobiphenyl (S)	89	%	28-143	1	09/30/20 15:02	10/02/20 18:19	2051-24-3	
6010 MET ICP Red. Interference								
Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Pace Analytical Services - Kansas City								
Arsenic	6.5	mg/kg	0.98	1	10/05/20 14:38	10/07/20 10:10	7440-38-2	
Barium	438	mg/kg	0.49	1	10/05/20 14:38	10/07/20 10:10	7440-39-3	
Cadmium	ND	mg/kg	0.49	1	10/05/20 14:38	10/07/20 10:10	7440-43-9	
Chromium	29.5	mg/kg	0.98	2	10/05/20 14:38	10/07/20 11:06	7440-47-3	
Lead	36.4	mg/kg	0.98	1	10/05/20 14:38	10/07/20 10:10	7439-92-1	
Selenium	ND	mg/kg	2.9	2	10/05/20 14:38	10/07/20 11:06	7782-49-2	
Silver	ND	mg/kg	1.4	2	10/05/20 14:38	10/07/20 11:06	7440-22-4	
7471 Mercury								
Analytical Method: EPA 7471 Preparation Method: EPA 7471								
Pace Analytical Services - Kansas City								
Mercury	ND	mg/kg	0.049	1	10/05/20 10:25	10/06/20 10:54	7439-97-6	
8270 MSSV Semivolatiles								
Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Pace Analytical Services - Kansas City								
Acenaphthene	ND	ug/kg	392	1	09/30/20 12:08	10/06/20 16:23	83-32-9	
Acenaphthylene	ND	ug/kg	392	1	09/30/20 12:08	10/06/20 16:23	208-96-8	
Anthracene	ND	ug/kg	392	1	09/30/20 12:08	10/06/20 16:23	120-12-7	
Benzo(a)anthracene	ND	ug/kg	392	1	09/30/20 12:08	10/06/20 16:23	56-55-3	
Benzo(a)pyrene	ND	ug/kg	392	1	09/30/20 12:08	10/06/20 16:23	50-32-8	
Benzo(b)fluoranthene	ND	ug/kg	392	1	09/30/20 12:08	10/06/20 16:23	205-99-2	
Benzo(g,h,i)perylene	ND	ug/kg	392	1	09/30/20 12:08	10/06/20 16:23	191-24-2	
Benzo(k)fluoranthene	ND	ug/kg	392	1	09/30/20 12:08	10/06/20 16:23	207-08-9	
Benzoic Acid	ND	ug/kg	1990	1	09/30/20 12:08	10/06/20 16:23	65-85-0	
Benzyl alcohol	ND	ug/kg	785	1	09/30/20 12:08	10/06/20 16:23	100-51-6	
4-Bromophenylphenyl ether	ND	ug/kg	392	1	09/30/20 12:08	10/06/20 16:23	101-55-3	
Butylbenzylphthalate	ND	ug/kg	392	1	09/30/20 12:08	10/06/20 16:23	85-68-7	
Carbazole	ND	ug/kg	392	1	09/30/20 12:08	10/06/20 16:23	86-74-8	
4-Chloro-3-methylphenol	ND	ug/kg	785	1	09/30/20 12:08	10/06/20 16:23	59-50-7	
4-Chloroaniline	ND	ug/kg	785	1	09/30/20 12:08	10/06/20 16:23	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/kg	392	1	09/30/20 12:08	10/06/20 16:23	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/kg	392	1	09/30/20 12:08	10/06/20 16:23	111-44-4	
bis(2-Chloroisopropyl) ether	ND	ug/kg	392	1	09/30/20 12:08	10/06/20 16:23	108-60-1	
2-Chloronaphthalene	ND	ug/kg	392	1	09/30/20 12:08	10/06/20 16:23	91-58-7	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: PINE LAWN

Pace Project No.: 60349444

Sample: DPT-30-SO-(29-30) **Lab ID: 60349444002** Collected: 09/24/20 16:38 Received: 09/25/20 04:55 Matrix: Solid

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

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Semivolatiles		Analytical Method: EPA 8270 Preparation Method: EPA 3546 Pace Analytical Services - Kansas City						
2-Chlorophenol	ND	ug/kg	392	1	09/30/20 12:08	10/06/20 16:23	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/kg	392	1	09/30/20 12:08	10/06/20 16:23	7005-72-3	
Chrysene	ND	ug/kg	392	1	09/30/20 12:08	10/06/20 16:23	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	392	1	09/30/20 12:08	10/06/20 16:23	53-70-3	
Dibenzofuran	ND	ug/kg	392	1	09/30/20 12:08	10/06/20 16:23	132-64-9	
1,2-Dichlorobenzene	ND	ug/kg	392	1	09/30/20 12:08	10/06/20 16:23	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	392	1	09/30/20 12:08	10/06/20 16:23	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	392	1	09/30/20 12:08	10/06/20 16:23	106-46-7	
3,3'-Dichlorobenzidine	ND	ug/kg	785	1	09/30/20 12:08	10/06/20 16:23	91-94-1	
2,4-Dichlorophenol	ND	ug/kg	392	1	09/30/20 12:08	10/06/20 16:23	120-83-2	
Diethylphthalate	ND	ug/kg	392	1	09/30/20 12:08	10/06/20 16:23	84-66-2	
2,4-Dimethylphenol	ND	ug/kg	392	1	09/30/20 12:08	10/06/20 16:23	105-67-9	
Dimethylphthalate	ND	ug/kg	392	1	09/30/20 12:08	10/06/20 16:23	131-11-3	
Di-n-butylphthalate	ND	ug/kg	392	1	09/30/20 12:08	10/06/20 16:23	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/kg	1990	1	09/30/20 12:08	10/06/20 16:23	534-52-1	
2,4-Dinitrophenol	ND	ug/kg	1990	1	09/30/20 12:08	10/06/20 16:23	51-28-5	
2,4-Dinitrotoluene	ND	ug/kg	392	1	09/30/20 12:08	10/06/20 16:23	121-14-2	
2,6-Dinitrotoluene	ND	ug/kg	392	1	09/30/20 12:08	10/06/20 16:23	606-20-2	
Di-n-octylphthalate	ND	ug/kg	392	1	09/30/20 12:08	10/06/20 16:23	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/kg	392	1	09/30/20 12:08	10/06/20 16:23	117-81-7	
Fluoranthene	ND	ug/kg	392	1	09/30/20 12:08	10/06/20 16:23	206-44-0	
Fluorene	ND	ug/kg	392	1	09/30/20 12:08	10/06/20 16:23	86-73-7	
Hexachloro-1,3-butadiene	ND	ug/kg	392	1	09/30/20 12:08	10/06/20 16:23	87-68-3	
Hexachlorobenzene	ND	ug/kg	392	1	09/30/20 12:08	10/06/20 16:23	118-74-1	
Hexachlorocyclopentadiene	ND	ug/kg	392	1	09/30/20 12:08	10/06/20 16:23	77-47-4	
Hexachloroethane	ND	ug/kg	392	1	09/30/20 12:08	10/06/20 16:23	67-72-1	
Indeno(1,2,3-cd)pyrene	ND	ug/kg	392	1	09/30/20 12:08	10/06/20 16:23	193-39-5	
Isophorone	ND	ug/kg	392	1	09/30/20 12:08	10/06/20 16:23	78-59-1	
2-Methylnaphthalene	ND	ug/kg	392	1	09/30/20 12:08	10/06/20 16:23	91-57-6	
2-Methylphenol(o-Cresol)	ND	ug/kg	392	1	09/30/20 12:08	10/06/20 16:23	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/kg	392	1	09/30/20 12:08	10/06/20 16:23	15831-10-4	
Naphthalene	ND	ug/kg	392	1	09/30/20 12:08	10/06/20 16:23	91-20-3	
2-Nitroaniline	ND	ug/kg	785	1	09/30/20 12:08	10/06/20 16:23	88-74-4	
3-Nitroaniline	ND	ug/kg	785	1	09/30/20 12:08	10/06/20 16:23	99-09-2	
4-Nitroaniline	ND	ug/kg	785	1	09/30/20 12:08	10/06/20 16:23	100-01-6	
Nitrobenzene	ND	ug/kg	392	1	09/30/20 12:08	10/06/20 16:23	98-95-3	
2-Nitrophenol	ND	ug/kg	392	1	09/30/20 12:08	10/06/20 16:23	88-75-5	
4-Nitrophenol	ND	ug/kg	1990	1	09/30/20 12:08	10/06/20 16:23	100-02-7	
N-Nitroso-di-n-propylamine	ND	ug/kg	392	1	09/30/20 12:08	10/06/20 16:23	621-64-7	
N-Nitrosodiphenylamine	ND	ug/kg	392	1	09/30/20 12:08	10/06/20 16:23	86-30-6	
Pentachlorophenol	ND	ug/kg	1990	1	09/30/20 12:08	10/06/20 16:23	87-86-5	
Phenanthrene	ND	ug/kg	392	1	09/30/20 12:08	10/06/20 16:23	85-01-8	
Phenol	ND	ug/kg	392	1	09/30/20 12:08	10/06/20 16:23	108-95-2	
Pyrene	ND	ug/kg	392	1	09/30/20 12:08	10/06/20 16:23	129-00-0	
Pyridine	ND	ug/kg	392	1	09/30/20 12:08	10/06/20 16:23	110-86-1	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: PINE LAWN

Pace Project No.: 60349444

Sample: DPT-30-SO-(29-30) **Lab ID: 60349444002** Collected: 09/24/20 16:38 Received: 09/25/20 04:55 Matrix: Solid

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

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Semivolatiles								
Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Pace Analytical Services - Kansas City								
1,2,4-Trichlorobenzene	ND	ug/kg	392	1	09/30/20 12:08	10/06/20 16:23	120-82-1	
2,4,5-Trichlorophenol	ND	ug/kg	392	1	09/30/20 12:08	10/06/20 16:23	95-95-4	
2,4,6-Trichlorophenol	ND	ug/kg	392	1	09/30/20 12:08	10/06/20 16:23	88-06-2	
Surrogates								
Nitrobenzene-d5 (S)	70	%	33-132	1	09/30/20 12:08	10/06/20 16:23	4165-60-0	
2-Fluorobiphenyl (S)	78	%	39-136	1	09/30/20 12:08	10/06/20 16:23	321-60-8	
Terphenyl-d14 (S)	81	%	29-131	1	09/30/20 12:08	10/06/20 16:23	1718-51-0	
Phenol-d6 (S)	70	%	43-95	1	09/30/20 12:08	10/06/20 16:23	13127-88-3	
2-Fluorophenol (S)	71	%	43-96	1	09/30/20 12:08	10/06/20 16:23	367-12-4	
2,4,6-Tribromophenol (S)	81	%	41-108	1	09/30/20 12:08	10/06/20 16:23	118-79-6	
8270 MSSV DRO/ORO								
Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Pace Analytical Services - Kansas City								
TPH-ORO	ND	mg/kg	17.7	1	09/30/20 14:55	10/05/20 19:27		
TPH-DRO	ND	mg/kg	17.7	1	09/30/20 14:55	10/05/20 19:27		
Surrogates								
Nitrobenzene-d5 (S)	85	%	33-132	1	09/30/20 14:55	10/05/20 19:27	4165-60-0	
2-Fluorobiphenyl (S)	89	%	39-136	1	09/30/20 14:55	10/05/20 19:27	321-60-8	
Terphenyl-d14 (S)	93	%	29-131	1	09/30/20 14:55	10/05/20 19:27	1718-51-0	
8260 MSV 5035A VOA								
Analytical Method: EPA 8260B Preparation Method: EPA 5035A/5030								
Pace Analytical Services - Kansas City								
Acetone	ND	ug/kg	13.2	1	10/01/20 09:39	10/01/20 11:50	67-64-1	
Benzene	ND	ug/kg	3.3	1	10/01/20 09:39	10/01/20 11:50	71-43-2	
Bromobenzene	ND	ug/kg	3.3	1	10/01/20 09:39	10/01/20 11:50	108-86-1	
Bromochloromethane	ND	ug/kg	3.3	1	10/01/20 09:39	10/01/20 11:50	74-97-5	
Bromodichloromethane	ND	ug/kg	3.3	1	10/01/20 09:39	10/01/20 11:50	75-27-4	
Bromoform	ND	ug/kg	3.3	1	10/01/20 09:39	10/01/20 11:50	75-25-2	
Bromomethane	ND	ug/kg	3.3	1	10/01/20 09:39	10/01/20 11:50	74-83-9	
2-Butanone (MEK)	ND	ug/kg	6.6	1	10/01/20 09:39	10/01/20 11:50	78-93-3	
n-Butylbenzene	ND	ug/kg	3.3	1	10/01/20 09:39	10/01/20 11:50	104-51-8	
sec-Butylbenzene	ND	ug/kg	3.3	1	10/01/20 09:39	10/01/20 11:50	135-98-8	
tert-Butylbenzene	ND	ug/kg	16.5	1	10/01/20 09:39	10/01/20 11:50	98-06-6	
Carbon disulfide	ND	ug/kg	3.3	1	10/01/20 09:39	10/01/20 11:50	75-15-0	
Carbon tetrachloride	ND	ug/kg	3.3	1	10/01/20 09:39	10/01/20 11:50	56-23-5	
Chlorobenzene	ND	ug/kg	3.3	1	10/01/20 09:39	10/01/20 11:50	108-90-7	
Chloroethane	ND	ug/kg	3.3	1	10/01/20 09:39	10/01/20 11:50	75-00-3	
Chloroform	ND	ug/kg	3.3	1	10/01/20 09:39	10/01/20 11:50	67-66-3	
Chloromethane	ND	ug/kg	3.3	1	10/01/20 09:39	10/01/20 11:50	74-87-3	
2-Chlorotoluene	ND	ug/kg	3.3	1	10/01/20 09:39	10/01/20 11:50	95-49-8	
4-Chlorotoluene	ND	ug/kg	3.3	1	10/01/20 09:39	10/01/20 11:50	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/kg	6.6	1	10/01/20 09:39	10/01/20 11:50	96-12-8	
Dibromochloromethane	ND	ug/kg	3.3	1	10/01/20 09:39	10/01/20 11:50	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	3.3	1	10/01/20 09:39	10/01/20 11:50	106-93-4	
Dibromomethane	ND	ug/kg	3.3	1	10/01/20 09:39	10/01/20 11:50	74-95-3	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: PINE LAWN

Pace Project No.: 60349444

Sample: DPT-30-SO-(29-30) **Lab ID:** 60349444002 **Collected:** 09/24/20 16:38 **Received:** 09/25/20 04:55 **Matrix:** Solid

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

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035A VOA	Analytical Method: EPA 8260B Preparation Method: EPA 5035A/5030 Pace Analytical Services - Kansas City							
1,2-Dichlorobenzene	ND	ug/kg	3.3	1	10/01/20 09:39	10/01/20 11:50	95-50-1	SS
1,3-Dichlorobenzene	ND	ug/kg	3.3	1	10/01/20 09:39	10/01/20 11:50	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	3.3	1	10/01/20 09:39	10/01/20 11:50	106-46-7	
Dichlorodifluoromethane	ND	ug/kg	3.3	1	10/01/20 09:39	10/01/20 11:50	75-71-8	
1,1-Dichloroethane	ND	ug/kg	3.3	1	10/01/20 09:39	10/01/20 11:50	75-34-3	
1,2-Dichloroethane	ND	ug/kg	3.3	1	10/01/20 09:39	10/01/20 11:50	107-06-2	
1,2-Dichloroethene (Total)	ND	ug/kg	3.3	1	10/01/20 09:39	10/01/20 11:50	540-59-0	
1,1-Dichloroethene	ND	ug/kg	3.3	1	10/01/20 09:39	10/01/20 11:50	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	3.3	1	10/01/20 09:39	10/01/20 11:50	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	3.3	1	10/01/20 09:39	10/01/20 11:50	156-60-5	
1,2-Dichloropropane	ND	ug/kg	3.3	1	10/01/20 09:39	10/01/20 11:50	78-87-5	
1,3-Dichloropropane	ND	ug/kg	3.3	1	10/01/20 09:39	10/01/20 11:50	142-28-9	
2,2-Dichloropropane	ND	ug/kg	3.3	1	10/01/20 09:39	10/01/20 11:50	594-20-7	
1,1-Dichloropropene	ND	ug/kg	3.3	1	10/01/20 09:39	10/01/20 11:50	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	3.3	1	10/01/20 09:39	10/01/20 11:50	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	3.3	1	10/01/20 09:39	10/01/20 11:50	10061-02-6	
Ethylbenzene	ND	ug/kg	3.3	1	10/01/20 09:39	10/01/20 11:50	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/kg	3.3	1	10/01/20 09:39	10/01/20 11:50	87-68-3	
2-Hexanone	ND	ug/kg	13.2	1	10/01/20 09:39	10/01/20 11:50	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/kg	3.3	1	10/01/20 09:39	10/01/20 11:50	98-82-8	
p-Isopropyltoluene	ND	ug/kg	3.3	1	10/01/20 09:39	10/01/20 11:50	99-87-6	
Methylene Chloride	ND	ug/kg	3.3	1	10/01/20 09:39	10/01/20 11:50	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	6.6	1	10/01/20 09:39	10/01/20 11:50	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	3.3	1	10/01/20 09:39	10/01/20 11:50	1634-04-4	
Naphthalene	ND	ug/kg	6.6	1	10/01/20 09:39	10/01/20 11:50	91-20-3	
n-Propylbenzene	ND	ug/kg	3.3	1	10/01/20 09:39	10/01/20 11:50	103-65-1	
Styrene	ND	ug/kg	3.3	1	10/01/20 09:39	10/01/20 11:50	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	3.3	1	10/01/20 09:39	10/01/20 11:50	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	3.3	1	10/01/20 09:39	10/01/20 11:50	79-34-5	
Tetrachloroethene	ND	ug/kg	3.3	1	10/01/20 09:39	10/01/20 11:50	127-18-4	
Toluene	ND	ug/kg	3.3	1	10/01/20 09:39	10/01/20 11:50	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	3.3	1	10/01/20 09:39	10/01/20 11:50	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	3.3	1	10/01/20 09:39	10/01/20 11:50	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	3.3	1	10/01/20 09:39	10/01/20 11:50	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	3.3	1	10/01/20 09:39	10/01/20 11:50	79-00-5	
Trichloroethene	ND	ug/kg	3.3	1	10/01/20 09:39	10/01/20 11:50	79-01-6	
Trichlorofluoromethane	ND	ug/kg	3.3	1	10/01/20 09:39	10/01/20 11:50	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	3.3	1	10/01/20 09:39	10/01/20 11:50	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/kg	3.3	1	10/01/20 09:39	10/01/20 11:50	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	3.3	1	10/01/20 09:39	10/01/20 11:50	108-67-8	
Vinyl chloride	ND	ug/kg	3.3	1	10/01/20 09:39	10/01/20 11:50	75-01-4	
Xylene (Total)	ND	ug/kg	3.3	1	10/01/20 09:39	10/01/20 11:50	1330-20-7	
Surrogates								
Toluene-d8 (S)	101	%	80-120	1	10/01/20 09:39	10/01/20 11:50	2037-26-5	
4-Bromofluorobenzene (S)	96	%	85-115	1	10/01/20 09:39	10/01/20 11:50	460-00-4	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: PINE LAWN

Pace Project No.: 60349444

Sample: DPT-30-SO-(29-30) **Lab ID:** 60349444002 Collected: 09/24/20 16:38 Received: 09/25/20 04:55 Matrix: Solid

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

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035A VOA								
Analytical Method: EPA 8260B Preparation Method: EPA 5035A/5030								
Pace Analytical Services - Kansas City								
Surrogates								
1,2-Dichloroethane-d4 (S)	106	%	78-118	1	10/01/20 09:39	10/01/20 11:50	17060-07-0	
8260 MSV GRO and Oxygenates								
Analytical Method: EPA 8260 Preparation Method: EPA 5035								
Pace Analytical Services - Kansas City								
TPH-GRO	ND	mg/kg	0.33	1	10/01/20 09:39	10/01/20 11:50		
Surrogates								
Toluene-d8 (S)	101	%	78-122	1	10/01/20 09:39	10/01/20 11:50	2037-26-5	
4-Bromofluorobenzene (S)	96	%	69-133	1	10/01/20 09:39	10/01/20 11:50	460-00-4	
1,2-Dichloroethane-d4 (S)	106	%	80-123	1	10/01/20 09:39	10/01/20 11:50	17060-07-0	
Percent Moisture								
Analytical Method: ASTM D2974								
Pace Analytical Services - Kansas City								
Percent Moisture	17.7	%	0.50	1		09/29/20 14:17		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: PINE LAWN

Pace Project No.: 60349444

Sample: DPT-31-SO-(0-3) **Lab ID:** 60349444003 **Collected:** 09/24/20 16:52 **Received:** 09/25/20 04:55 **Matrix:** Solid

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

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8082 GCS PCB SW								
Analytical Method: EPA 8082 Preparation Method: EPA 3546								
Pace Analytical Services - Kansas City								
PCB-1016 (Aroclor 1016)	ND	ug/kg	38.0	1	09/30/20 15:02	10/02/20 18:37	12674-11-2	
PCB-1221 (Aroclor 1221)	ND	ug/kg	38.0	1	09/30/20 15:02	10/02/20 18:37	11104-28-2	
PCB-1232 (Aroclor 1232)	ND	ug/kg	38.0	1	09/30/20 15:02	10/02/20 18:37	11141-16-5	
PCB-1242 (Aroclor 1242)	ND	ug/kg	38.0	1	09/30/20 15:02	10/02/20 18:37	53469-21-9	
PCB-1248 (Aroclor 1248)	ND	ug/kg	38.0	1	09/30/20 15:02	10/02/20 18:37	12672-29-6	
PCB-1254 (Aroclor 1254)	ND	ug/kg	38.0	1	09/30/20 15:02	10/02/20 18:37	11097-69-1	
PCB-1260 (Aroclor 1260)	ND	ug/kg	38.0	1	09/30/20 15:02	10/02/20 18:37	11096-82-5	
Surrogates								
Decachlorobiphenyl (S)	92	%	28-143	1	09/30/20 15:02	10/02/20 18:37	2051-24-3	
6010 MET ICP Red. Interference								
Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Pace Analytical Services - Kansas City								
Arsenic	9.5	mg/kg	1.1	1	10/05/20 14:38	10/07/20 10:20	7440-38-2	
Barium	152	mg/kg	0.57	1	10/05/20 14:38	10/07/20 10:20	7440-39-3	
Cadmium	ND	mg/kg	0.57	1	10/05/20 14:38	10/07/20 10:20	7440-43-9	
Chromium	22.4	mg/kg	0.57	1	10/05/20 14:38	10/07/20 10:20	7440-47-3	
Lead	14.1	mg/kg	1.1	1	10/05/20 14:38	10/07/20 10:20	7439-92-1	
Selenium	ND	mg/kg	1.7	1	10/05/20 14:38	10/07/20 10:20	7782-49-2	
Silver	ND	mg/kg	0.80	1	10/05/20 14:38	10/07/20 10:20	7440-22-4	
7471 Mercury								
Analytical Method: EPA 7471 Preparation Method: EPA 7471								
Pace Analytical Services - Kansas City								
Mercury	0.059	mg/kg	0.045	1	10/05/20 10:25	10/06/20 10:56	7439-97-6	
8270 MSSV Semivolatiles								
Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Pace Analytical Services - Kansas City								
Acenaphthene	ND	ug/kg	751	1	09/30/20 12:08	10/06/20 16:44	83-32-9	
Acenaphthylene	ND	ug/kg	751	1	09/30/20 12:08	10/06/20 16:44	208-96-8	
Anthracene	ND	ug/kg	751	1	09/30/20 12:08	10/06/20 16:44	120-12-7	
Benzo(a)anthracene	ND	ug/kg	751	1	09/30/20 12:08	10/06/20 16:44	56-55-3	
Benzo(a)pyrene	ND	ug/kg	751	1	09/30/20 12:08	10/06/20 16:44	50-32-8	
Benzo(b)fluoranthene	ND	ug/kg	751	1	09/30/20 12:08	10/06/20 16:44	205-99-2	
Benzo(g,h,i)perylene	ND	ug/kg	751	1	09/30/20 12:08	10/06/20 16:44	191-24-2	
Benzo(k)fluoranthene	ND	ug/kg	751	1	09/30/20 12:08	10/06/20 16:44	207-08-9	
Benzoic Acid	ND	ug/kg	3800	1	09/30/20 12:08	10/06/20 16:44	65-85-0	
Benzyl alcohol	ND	ug/kg	1500	1	09/30/20 12:08	10/06/20 16:44	100-51-6	
4-Bromophenylphenyl ether	ND	ug/kg	751	1	09/30/20 12:08	10/06/20 16:44	101-55-3	
Butylbenzylphthalate	ND	ug/kg	751	1	09/30/20 12:08	10/06/20 16:44	85-68-7	
Carbazole	ND	ug/kg	751	1	09/30/20 12:08	10/06/20 16:44	86-74-8	
4-Chloro-3-methylphenol	ND	ug/kg	1500	1	09/30/20 12:08	10/06/20 16:44	59-50-7	
4-Chloroaniline	ND	ug/kg	1500	1	09/30/20 12:08	10/06/20 16:44	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/kg	751	1	09/30/20 12:08	10/06/20 16:44	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/kg	751	1	09/30/20 12:08	10/06/20 16:44	111-44-4	
bis(2-Chloroisopropyl) ether	ND	ug/kg	751	1	09/30/20 12:08	10/06/20 16:44	108-60-1	
2-Chloronaphthalene	ND	ug/kg	751	1	09/30/20 12:08	10/06/20 16:44	91-58-7	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: PINE LAWN

Pace Project No.: 60349444

Sample: DPT-31-SO-(0-3) Lab ID: 60349444003 Collected: 09/24/20 16:52 Received: 09/25/20 04:55 Matrix: Solid

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

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Semivolatiles		Analytical Method: EPA 8270 Preparation Method: EPA 3546 Pace Analytical Services - Kansas City						
2-Chlorophenol	ND	ug/kg	751	1	09/30/20 12:08	10/06/20 16:44	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/kg	751	1	09/30/20 12:08	10/06/20 16:44	7005-72-3	
Chrysene	ND	ug/kg	751	1	09/30/20 12:08	10/06/20 16:44	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	751	1	09/30/20 12:08	10/06/20 16:44	53-70-3	
Dibenzofuran	ND	ug/kg	751	1	09/30/20 12:08	10/06/20 16:44	132-64-9	
1,2-Dichlorobenzene	ND	ug/kg	751	1	09/30/20 12:08	10/06/20 16:44	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	751	1	09/30/20 12:08	10/06/20 16:44	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	751	1	09/30/20 12:08	10/06/20 16:44	106-46-7	
3,3'-Dichlorobenzidine	ND	ug/kg	1500	1	09/30/20 12:08	10/06/20 16:44	91-94-1	
2,4-Dichlorophenol	ND	ug/kg	751	1	09/30/20 12:08	10/06/20 16:44	120-83-2	
Diethylphthalate	ND	ug/kg	751	1	09/30/20 12:08	10/06/20 16:44	84-66-2	
2,4-Dimethylphenol	ND	ug/kg	751	1	09/30/20 12:08	10/06/20 16:44	105-67-9	
Dimethylphthalate	ND	ug/kg	751	1	09/30/20 12:08	10/06/20 16:44	131-11-3	
Di-n-butylphthalate	ND	ug/kg	751	1	09/30/20 12:08	10/06/20 16:44	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/kg	3800	1	09/30/20 12:08	10/06/20 16:44	534-52-1	
2,4-Dinitrophenol	ND	ug/kg	3800	1	09/30/20 12:08	10/06/20 16:44	51-28-5	
2,4-Dinitrotoluene	ND	ug/kg	751	1	09/30/20 12:08	10/06/20 16:44	121-14-2	
2,6-Dinitrotoluene	ND	ug/kg	751	1	09/30/20 12:08	10/06/20 16:44	606-20-2	
Di-n-octylphthalate	ND	ug/kg	751	1	09/30/20 12:08	10/06/20 16:44	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/kg	751	1	09/30/20 12:08	10/06/20 16:44	117-81-7	
Fluoranthene	ND	ug/kg	751	1	09/30/20 12:08	10/06/20 16:44	206-44-0	
Fluorene	ND	ug/kg	751	1	09/30/20 12:08	10/06/20 16:44	86-73-7	
Hexachloro-1,3-butadiene	ND	ug/kg	751	1	09/30/20 12:08	10/06/20 16:44	87-68-3	
Hexachlorobenzene	ND	ug/kg	751	1	09/30/20 12:08	10/06/20 16:44	118-74-1	
Hexachlorocyclopentadiene	ND	ug/kg	751	1	09/30/20 12:08	10/06/20 16:44	77-47-4	
Hexachloroethane	ND	ug/kg	751	1	09/30/20 12:08	10/06/20 16:44	67-72-1	
Indeno(1,2,3-cd)pyrene	ND	ug/kg	751	1	09/30/20 12:08	10/06/20 16:44	193-39-5	
Isophorone	ND	ug/kg	751	1	09/30/20 12:08	10/06/20 16:44	78-59-1	
2-Methylnaphthalene	ND	ug/kg	751	1	09/30/20 12:08	10/06/20 16:44	91-57-6	
2-Methylphenol(o-Cresol)	ND	ug/kg	751	1	09/30/20 12:08	10/06/20 16:44	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/kg	751	1	09/30/20 12:08	10/06/20 16:44	15831-10-4	
Naphthalene	ND	ug/kg	751	1	09/30/20 12:08	10/06/20 16:44	91-20-3	
2-Nitroaniline	ND	ug/kg	1500	1	09/30/20 12:08	10/06/20 16:44	88-74-4	
3-Nitroaniline	ND	ug/kg	1500	1	09/30/20 12:08	10/06/20 16:44	99-09-2	
4-Nitroaniline	ND	ug/kg	1500	1	09/30/20 12:08	10/06/20 16:44	100-01-6	
Nitrobenzene	ND	ug/kg	751	1	09/30/20 12:08	10/06/20 16:44	98-95-3	
2-Nitrophenol	ND	ug/kg	751	1	09/30/20 12:08	10/06/20 16:44	88-75-5	
4-Nitrophenol	ND	ug/kg	3800	1	09/30/20 12:08	10/06/20 16:44	100-02-7	
N-Nitroso-di-n-propylamine	ND	ug/kg	751	1	09/30/20 12:08	10/06/20 16:44	621-64-7	
N-Nitrosodiphenylamine	ND	ug/kg	751	1	09/30/20 12:08	10/06/20 16:44	86-30-6	
Pentachlorophenol	ND	ug/kg	3800	1	09/30/20 12:08	10/06/20 16:44	87-86-5	
Phenanthrene	ND	ug/kg	751	1	09/30/20 12:08	10/06/20 16:44	85-01-8	
Phenol	ND	ug/kg	751	1	09/30/20 12:08	10/06/20 16:44	108-95-2	
Pyrene	ND	ug/kg	751	1	09/30/20 12:08	10/06/20 16:44	129-00-0	
Pyridine	ND	ug/kg	751	1	09/30/20 12:08	10/06/20 16:44	110-86-1	

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ANALYTICAL RESULTS

Project: PINE LAWN

Pace Project No.: 60349444

Sample: DPT-31-SO-(0-3) **Lab ID:** 60349444003 **Collected:** 09/24/20 16:52 **Received:** 09/25/20 04:55 **Matrix:** Solid

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

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
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8270 MSSV Semivolatiles

Analytical Method: EPA 8270 Preparation Method: EPA 3546

Pace Analytical Services - Kansas City

1,2,4-Trichlorobenzene	ND	ug/kg	751	1	09/30/20 12:08	10/06/20 16:44	120-82-1	
2,4,5-Trichlorophenol	ND	ug/kg	751	1	09/30/20 12:08	10/06/20 16:44	95-95-4	
2,4,6-Trichlorophenol	ND	ug/kg	751	1	09/30/20 12:08	10/06/20 16:44	88-06-2	
Surrogates								
Nitrobenzene-d5 (S)	46	%	33-132	1	09/30/20 12:08	10/06/20 16:44	4165-60-0	P3
2-Fluorobiphenyl (S)	56	%	39-136	1	09/30/20 12:08	10/06/20 16:44	321-60-8	
Terphenyl-d14 (S)	57	%	29-131	1	09/30/20 12:08	10/06/20 16:44	1718-51-0	
Phenol-d6 (S)	49	%	43-95	1	09/30/20 12:08	10/06/20 16:44	13127-88-3	
2-Fluorophenol (S)	50	%	43-96	1	09/30/20 12:08	10/06/20 16:44	367-12-4	
2,4,6-Tribromophenol (S)	51	%	41-108	1	09/30/20 12:08	10/06/20 16:44	118-79-6	

8270 MSSV DRO/ORO

Analytical Method: EPA 8270 Preparation Method: EPA 3546

Pace Analytical Services - Kansas City

TPH-ORO	20.8	mg/kg	16.9	1	09/30/20 14:55	10/07/20 19:28		
TPH-DRO	ND	mg/kg	16.9	1	09/30/20 14:55	10/07/20 19:28		
Surrogates								
Nitrobenzene-d5 (S)	64	%	33-132	1	09/30/20 14:55	10/07/20 19:28	4165-60-0	
2-Fluorobiphenyl (S)	71	%	39-136	1	09/30/20 14:55	10/07/20 19:28	321-60-8	
Terphenyl-d14 (S)	76	%	29-131	1	09/30/20 14:55	10/07/20 19:28	1718-51-0	

8260 MSV 5035A VOA

Analytical Method: EPA 8260B Preparation Method: EPA 5035A/5030

Pace Analytical Services - Kansas City

Acetone	59.0	ug/kg	13.6	1	10/01/20 09:39	10/01/20 12:05	67-64-1	
Benzene	ND	ug/kg	3.4	1	10/01/20 09:39	10/01/20 12:05	71-43-2	
Bromobenzene	ND	ug/kg	3.4	1	10/01/20 09:39	10/01/20 12:05	108-86-1	
Bromochloromethane	ND	ug/kg	3.4	1	10/01/20 09:39	10/01/20 12:05	74-97-5	
Bromodichloromethane	ND	ug/kg	3.4	1	10/01/20 09:39	10/01/20 12:05	75-27-4	
Bromoform	ND	ug/kg	3.4	1	10/01/20 09:39	10/01/20 12:05	75-25-2	
Bromomethane	ND	ug/kg	3.4	1	10/01/20 09:39	10/01/20 12:05	74-83-9	
2-Butanone (MEK)	7.1	ug/kg	6.8	1	10/01/20 09:39	10/01/20 12:05	78-93-3	
n-Butylbenzene	ND	ug/kg	3.4	1	10/01/20 09:39	10/01/20 12:05	104-51-8	
sec-Butylbenzene	ND	ug/kg	3.4	1	10/01/20 09:39	10/01/20 12:05	135-98-8	
tert-Butylbenzene	ND	ug/kg	17.0	1	10/01/20 09:39	10/01/20 12:05	98-06-6	
Carbon disulfide	ND	ug/kg	3.4	1	10/01/20 09:39	10/01/20 12:05	75-15-0	
Carbon tetrachloride	ND	ug/kg	3.4	1	10/01/20 09:39	10/01/20 12:05	56-23-5	
Chlorobenzene	ND	ug/kg	3.4	1	10/01/20 09:39	10/01/20 12:05	108-90-7	
Chloroethane	ND	ug/kg	3.4	1	10/01/20 09:39	10/01/20 12:05	75-00-3	
Chloroform	ND	ug/kg	3.4	1	10/01/20 09:39	10/01/20 12:05	67-66-3	
Chloromethane	ND	ug/kg	3.4	1	10/01/20 09:39	10/01/20 12:05	74-87-3	
2-Chlorotoluene	ND	ug/kg	3.4	1	10/01/20 09:39	10/01/20 12:05	95-49-8	
4-Chlorotoluene	ND	ug/kg	3.4	1	10/01/20 09:39	10/01/20 12:05	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/kg	6.8	1	10/01/20 09:39	10/01/20 12:05	96-12-8	
Dibromochloromethane	ND	ug/kg	3.4	1	10/01/20 09:39	10/01/20 12:05	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	3.4	1	10/01/20 09:39	10/01/20 12:05	106-93-4	
Dibromomethane	ND	ug/kg	3.4	1	10/01/20 09:39	10/01/20 12:05	74-95-3	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: PINE LAWN

Pace Project No.: 60349444

Sample: DPT-31-SO-(0-3) Lab ID: 60349444003 Collected: 09/24/20 16:52 Received: 09/25/20 04:55 Matrix: Solid

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

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035A VOA	Analytical Method: EPA 8260B Preparation Method: EPA 5035A/5030 Pace Analytical Services - Kansas City							
1,2-Dichlorobenzene	ND	ug/kg	3.4	1	10/01/20 09:39	10/01/20 12:05	95-50-1	SS
1,3-Dichlorobenzene	ND	ug/kg	3.4	1	10/01/20 09:39	10/01/20 12:05	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	3.4	1	10/01/20 09:39	10/01/20 12:05	106-46-7	
Dichlorodifluoromethane	ND	ug/kg	3.4	1	10/01/20 09:39	10/01/20 12:05	75-71-8	
1,1-Dichloroethane	ND	ug/kg	3.4	1	10/01/20 09:39	10/01/20 12:05	75-34-3	
1,2-Dichloroethane	ND	ug/kg	3.4	1	10/01/20 09:39	10/01/20 12:05	107-06-2	
1,2-Dichloroethene (Total)	ND	ug/kg	3.4	1	10/01/20 09:39	10/01/20 12:05	540-59-0	
1,1-Dichloroethene	ND	ug/kg	3.4	1	10/01/20 09:39	10/01/20 12:05	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	3.4	1	10/01/20 09:39	10/01/20 12:05	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	3.4	1	10/01/20 09:39	10/01/20 12:05	156-60-5	
1,2-Dichloropropane	ND	ug/kg	3.4	1	10/01/20 09:39	10/01/20 12:05	78-87-5	
1,3-Dichloropropane	ND	ug/kg	3.4	1	10/01/20 09:39	10/01/20 12:05	142-28-9	
2,2-Dichloropropane	ND	ug/kg	3.4	1	10/01/20 09:39	10/01/20 12:05	594-20-7	
1,1-Dichloropropene	ND	ug/kg	3.4	1	10/01/20 09:39	10/01/20 12:05	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	3.4	1	10/01/20 09:39	10/01/20 12:05	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	3.4	1	10/01/20 09:39	10/01/20 12:05	10061-02-6	
Ethylbenzene	ND	ug/kg	3.4	1	10/01/20 09:39	10/01/20 12:05	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/kg	3.4	1	10/01/20 09:39	10/01/20 12:05	87-68-3	
2-Hexanone	ND	ug/kg	13.6	1	10/01/20 09:39	10/01/20 12:05	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/kg	3.4	1	10/01/20 09:39	10/01/20 12:05	98-82-8	
p-Isopropyltoluene	ND	ug/kg	3.4	1	10/01/20 09:39	10/01/20 12:05	99-87-6	
Methylene Chloride	ND	ug/kg	3.4	1	10/01/20 09:39	10/01/20 12:05	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	6.8	1	10/01/20 09:39	10/01/20 12:05	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	3.4	1	10/01/20 09:39	10/01/20 12:05	1634-04-4	
Naphthalene	ND	ug/kg	6.8	1	10/01/20 09:39	10/01/20 12:05	91-20-3	
n-Propylbenzene	ND	ug/kg	3.4	1	10/01/20 09:39	10/01/20 12:05	103-65-1	
Styrene	ND	ug/kg	3.4	1	10/01/20 09:39	10/01/20 12:05	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	3.4	1	10/01/20 09:39	10/01/20 12:05	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	3.4	1	10/01/20 09:39	10/01/20 12:05	79-34-5	
Tetrachloroethene	ND	ug/kg	3.4	1	10/01/20 09:39	10/01/20 12:05	127-18-4	
Toluene	ND	ug/kg	3.4	1	10/01/20 09:39	10/01/20 12:05	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	3.4	1	10/01/20 09:39	10/01/20 12:05	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	3.4	1	10/01/20 09:39	10/01/20 12:05	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	3.4	1	10/01/20 09:39	10/01/20 12:05	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	3.4	1	10/01/20 09:39	10/01/20 12:05	79-00-5	
Trichloroethene	ND	ug/kg	3.4	1	10/01/20 09:39	10/01/20 12:05	79-01-6	
Trichlorofluoromethane	ND	ug/kg	3.4	1	10/01/20 09:39	10/01/20 12:05	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	3.4	1	10/01/20 09:39	10/01/20 12:05	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/kg	3.4	1	10/01/20 09:39	10/01/20 12:05	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	3.4	1	10/01/20 09:39	10/01/20 12:05	108-67-8	
Vinyl chloride	ND	ug/kg	3.4	1	10/01/20 09:39	10/01/20 12:05	75-01-4	
Xylene (Total)	ND	ug/kg	3.4	1	10/01/20 09:39	10/01/20 12:05	1330-20-7	
Surrogates								
Toluene-d8 (S)	102	%	80-120	1	10/01/20 09:39	10/01/20 12:05	2037-26-5	
4-Bromofluorobenzene (S)	97	%	85-115	1	10/01/20 09:39	10/01/20 12:05	460-00-4	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: PINE LAWN

Pace Project No.: 60349444

Sample: DPT-31-SO-(0-3) **Lab ID:** 60349444003 Collected: 09/24/20 16:52 Received: 09/25/20 04:55 Matrix: Solid

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

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035A VOA								
Analytical Method: EPA 8260B Preparation Method: EPA 5035A/5030								
Pace Analytical Services - Kansas City								
Surrogates								
1,2-Dichloroethane-d4 (S)	104	%	78-118	1	10/01/20 09:39	10/01/20 12:05	17060-07-0	
8260 MSV GRO and Oxygenates								
Analytical Method: EPA 8260 Preparation Method: EPA 5035								
Pace Analytical Services - Kansas City								
TPH-GRO	ND	mg/kg	0.34	1	10/01/20 09:39	10/01/20 12:05		
Surrogates								
Toluene-d8 (S)	102	%	78-122	1	10/01/20 09:39	10/01/20 12:05	2037-26-5	
4-Bromofluorobenzene (S)	97	%	69-133	1	10/01/20 09:39	10/01/20 12:05	460-00-4	
1,2-Dichloroethane-d4 (S)	104	%	80-123	1	10/01/20 09:39	10/01/20 12:05	17060-07-0	
Percent Moisture								
Analytical Method: ASTM D2974								
Pace Analytical Services - Kansas City								
Percent Moisture	14.5	%	0.50	1		09/29/20 14:17		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: PINE LAWN

Pace Project No.: 60349444

Sample: DPT-31-SO-(29-30) **Lab ID:** 60349444004 **Collected:** 09/24/20 17:15 **Received:** 09/25/20 04:55 **Matrix:** Solid

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

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8082 GCS PCB SW								
Analytical Method: EPA 8082 Preparation Method: EPA 3546								
Pace Analytical Services - Kansas City								
PCB-1016 (Aroclor 1016)	ND	ug/kg	37.2	1	09/30/20 15:02	10/02/20 18:55	12674-11-2	
PCB-1221 (Aroclor 1221)	ND	ug/kg	37.2	1	09/30/20 15:02	10/02/20 18:55	11104-28-2	
PCB-1232 (Aroclor 1232)	ND	ug/kg	37.2	1	09/30/20 15:02	10/02/20 18:55	11141-16-5	
PCB-1242 (Aroclor 1242)	ND	ug/kg	37.2	1	09/30/20 15:02	10/02/20 18:55	53469-21-9	
PCB-1248 (Aroclor 1248)	ND	ug/kg	37.2	1	09/30/20 15:02	10/02/20 18:55	12672-29-6	
PCB-1254 (Aroclor 1254)	ND	ug/kg	37.2	1	09/30/20 15:02	10/02/20 18:55	11097-69-1	
PCB-1260 (Aroclor 1260)	ND	ug/kg	37.2	1	09/30/20 15:02	10/02/20 18:55	11096-82-5	
Surrogates								
Decachlorobiphenyl (S)	90	%	28-143	1	09/30/20 15:02	10/02/20 18:55	2051-24-3	
6010 MET ICP Red. Interference								
Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Pace Analytical Services - Kansas City								
Arsenic	1.8	mg/kg	1.1	1	10/05/20 14:38	10/07/20 10:23	7440-38-2	
Barium	116	mg/kg	0.53	1	10/05/20 14:38	10/07/20 10:23	7440-39-3	
Cadmium	ND	mg/kg	0.53	1	10/05/20 14:38	10/07/20 10:23	7440-43-9	
Chromium	26.3	mg/kg	0.53	1	10/05/20 14:38	10/07/20 10:23	7440-47-3	
Lead	9.2	mg/kg	1.1	1	10/05/20 14:38	10/07/20 10:23	7439-92-1	
Selenium	ND	mg/kg	1.6	1	10/05/20 14:38	10/07/20 10:23	7782-49-2	
Silver	ND	mg/kg	0.74	1	10/05/20 14:38	10/07/20 10:23	7440-22-4	
7471 Mercury								
Analytical Method: EPA 7471 Preparation Method: EPA 7471								
Pace Analytical Services - Kansas City								
Mercury	ND	mg/kg	0.049	1	10/05/20 10:25	10/06/20 10:59	7439-97-6	
8270 MSSV Semivolatiles								
Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Pace Analytical Services - Kansas City								
Acenaphthene	ND	ug/kg	392	1	09/30/20 12:08	10/06/20 17:06	83-32-9	
Acenaphthylene	ND	ug/kg	392	1	09/30/20 12:08	10/06/20 17:06	208-96-8	
Anthracene	ND	ug/kg	392	1	09/30/20 12:08	10/06/20 17:06	120-12-7	
Benzo(a)anthracene	ND	ug/kg	392	1	09/30/20 12:08	10/06/20 17:06	56-55-3	
Benzo(a)pyrene	ND	ug/kg	392	1	09/30/20 12:08	10/06/20 17:06	50-32-8	
Benzo(b)fluoranthene	ND	ug/kg	392	1	09/30/20 12:08	10/06/20 17:06	205-99-2	
Benzo(g,h,i)perylene	ND	ug/kg	392	1	09/30/20 12:08	10/06/20 17:06	191-24-2	
Benzo(k)fluoranthene	ND	ug/kg	392	1	09/30/20 12:08	10/06/20 17:06	207-08-9	
Benzoic Acid	ND	ug/kg	1980	1	09/30/20 12:08	10/06/20 17:06	65-85-0	
Benzyl alcohol	ND	ug/kg	783	1	09/30/20 12:08	10/06/20 17:06	100-51-6	
4-Bromophenylphenyl ether	ND	ug/kg	392	1	09/30/20 12:08	10/06/20 17:06	101-55-3	
Butylbenzylphthalate	ND	ug/kg	392	1	09/30/20 12:08	10/06/20 17:06	85-68-7	
Carbazole	ND	ug/kg	392	1	09/30/20 12:08	10/06/20 17:06	86-74-8	
4-Chloro-3-methylphenol	ND	ug/kg	783	1	09/30/20 12:08	10/06/20 17:06	59-50-7	
4-Chloroaniline	ND	ug/kg	783	1	09/30/20 12:08	10/06/20 17:06	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/kg	392	1	09/30/20 12:08	10/06/20 17:06	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/kg	392	1	09/30/20 12:08	10/06/20 17:06	111-44-4	
bis(2-Chloroisopropyl) ether	ND	ug/kg	392	1	09/30/20 12:08	10/06/20 17:06	108-60-1	
2-Chloronaphthalene	ND	ug/kg	392	1	09/30/20 12:08	10/06/20 17:06	91-58-7	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: PINE LAWN

Pace Project No.: 60349444

Sample: DPT-31-SO-(29-30) **Lab ID:** 60349444004 **Collected:** 09/24/20 17:15 **Received:** 09/25/20 04:55 **Matrix:** Solid

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

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Semivolatiles		Analytical Method: EPA 8270 Preparation Method: EPA 3546 Pace Analytical Services - Kansas City						
2-Chlorophenol	ND	ug/kg	392	1	09/30/20 12:08	10/06/20 17:06	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/kg	392	1	09/30/20 12:08	10/06/20 17:06	7005-72-3	
Chrysene	ND	ug/kg	392	1	09/30/20 12:08	10/06/20 17:06	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	392	1	09/30/20 12:08	10/06/20 17:06	53-70-3	
Dibenzofuran	ND	ug/kg	392	1	09/30/20 12:08	10/06/20 17:06	132-64-9	
1,2-Dichlorobenzene	ND	ug/kg	392	1	09/30/20 12:08	10/06/20 17:06	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	392	1	09/30/20 12:08	10/06/20 17:06	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	392	1	09/30/20 12:08	10/06/20 17:06	106-46-7	
3,3'-Dichlorobenzidine	ND	ug/kg	783	1	09/30/20 12:08	10/06/20 17:06	91-94-1	
2,4-Dichlorophenol	ND	ug/kg	392	1	09/30/20 12:08	10/06/20 17:06	120-83-2	
Diethylphthalate	ND	ug/kg	392	1	09/30/20 12:08	10/06/20 17:06	84-66-2	
2,4-Dimethylphenol	ND	ug/kg	392	1	09/30/20 12:08	10/06/20 17:06	105-67-9	
Dimethylphthalate	ND	ug/kg	392	1	09/30/20 12:08	10/06/20 17:06	131-11-3	
Di-n-butylphthalate	ND	ug/kg	392	1	09/30/20 12:08	10/06/20 17:06	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/kg	1980	1	09/30/20 12:08	10/06/20 17:06	534-52-1	
2,4-Dinitrophenol	ND	ug/kg	1980	1	09/30/20 12:08	10/06/20 17:06	51-28-5	
2,4-Dinitrotoluene	ND	ug/kg	392	1	09/30/20 12:08	10/06/20 17:06	121-14-2	
2,6-Dinitrotoluene	ND	ug/kg	392	1	09/30/20 12:08	10/06/20 17:06	606-20-2	
Di-n-octylphthalate	ND	ug/kg	392	1	09/30/20 12:08	10/06/20 17:06	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/kg	392	1	09/30/20 12:08	10/06/20 17:06	117-81-7	
Fluoranthene	ND	ug/kg	392	1	09/30/20 12:08	10/06/20 17:06	206-44-0	
Fluorene	ND	ug/kg	392	1	09/30/20 12:08	10/06/20 17:06	86-73-7	
Hexachloro-1,3-butadiene	ND	ug/kg	392	1	09/30/20 12:08	10/06/20 17:06	87-68-3	
Hexachlorobenzene	ND	ug/kg	392	1	09/30/20 12:08	10/06/20 17:06	118-74-1	
Hexachlorocyclopentadiene	ND	ug/kg	392	1	09/30/20 12:08	10/06/20 17:06	77-47-4	
Hexachloroethane	ND	ug/kg	392	1	09/30/20 12:08	10/06/20 17:06	67-72-1	
Indeno(1,2,3-cd)pyrene	ND	ug/kg	392	1	09/30/20 12:08	10/06/20 17:06	193-39-5	
Isophorone	ND	ug/kg	392	1	09/30/20 12:08	10/06/20 17:06	78-59-1	
2-Methylnaphthalene	ND	ug/kg	392	1	09/30/20 12:08	10/06/20 17:06	91-57-6	
2-Methylphenol(o-Cresol)	ND	ug/kg	392	1	09/30/20 12:08	10/06/20 17:06	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/kg	392	1	09/30/20 12:08	10/06/20 17:06	15831-10-4	
Naphthalene	ND	ug/kg	392	1	09/30/20 12:08	10/06/20 17:06	91-20-3	
2-Nitroaniline	ND	ug/kg	783	1	09/30/20 12:08	10/06/20 17:06	88-74-4	
3-Nitroaniline	ND	ug/kg	783	1	09/30/20 12:08	10/06/20 17:06	99-09-2	
4-Nitroaniline	ND	ug/kg	783	1	09/30/20 12:08	10/06/20 17:06	100-01-6	
Nitrobenzene	ND	ug/kg	392	1	09/30/20 12:08	10/06/20 17:06	98-95-3	
2-Nitrophenol	ND	ug/kg	392	1	09/30/20 12:08	10/06/20 17:06	88-75-5	
4-Nitrophenol	ND	ug/kg	1980	1	09/30/20 12:08	10/06/20 17:06	100-02-7	
N-Nitroso-di-n-propylamine	ND	ug/kg	392	1	09/30/20 12:08	10/06/20 17:06	621-64-7	
N-Nitrosodiphenylamine	ND	ug/kg	392	1	09/30/20 12:08	10/06/20 17:06	86-30-6	
Pentachlorophenol	ND	ug/kg	1980	1	09/30/20 12:08	10/06/20 17:06	87-86-5	
Phenanthrene	ND	ug/kg	392	1	09/30/20 12:08	10/06/20 17:06	85-01-8	
Phenol	ND	ug/kg	392	1	09/30/20 12:08	10/06/20 17:06	108-95-2	
Pyrene	ND	ug/kg	392	1	09/30/20 12:08	10/06/20 17:06	129-00-0	
Pyridine	ND	ug/kg	392	1	09/30/20 12:08	10/06/20 17:06	110-86-1	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: PINE LAWN

Pace Project No.: 60349444

Sample: DPT-31-SO-(29-30) **Lab ID: 60349444004** Collected: 09/24/20 17:15 Received: 09/25/20 04:55 Matrix: Solid

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

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Semivolatiles								
Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Pace Analytical Services - Kansas City								
1,2,4-Trichlorobenzene	ND	ug/kg	392	1	09/30/20 12:08	10/06/20 17:06	120-82-1	
2,4,5-Trichlorophenol	ND	ug/kg	392	1	09/30/20 12:08	10/06/20 17:06	95-95-4	
2,4,6-Trichlorophenol	ND	ug/kg	392	1	09/30/20 12:08	10/06/20 17:06	88-06-2	
Surrogates								
Nitrobenzene-d5 (S)	61	%	33-132	1	09/30/20 12:08	10/06/20 17:06	4165-60-0	
2-Fluorobiphenyl (S)	70	%	39-136	1	09/30/20 12:08	10/06/20 17:06	321-60-8	
Terphenyl-d14 (S)	72	%	29-131	1	09/30/20 12:08	10/06/20 17:06	1718-51-0	
Phenol-d6 (S)	63	%	43-95	1	09/30/20 12:08	10/06/20 17:06	13127-88-3	
2-Fluorophenol (S)	64	%	43-96	1	09/30/20 12:08	10/06/20 17:06	367-12-4	
2,4,6-Tribromophenol (S)	68	%	41-108	1	09/30/20 12:08	10/06/20 17:06	118-79-6	
8270 MSSV DRO/ORO								
Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Pace Analytical Services - Kansas City								
TPH-ORO	ND	mg/kg	17.2	1	09/30/20 14:55	10/05/20 20:06		
TPH-DRO	ND	mg/kg	17.2	1	09/30/20 14:55	10/05/20 20:06		
Surrogates								
Nitrobenzene-d5 (S)	50	%	33-132	1	09/30/20 14:55	10/05/20 20:06	4165-60-0	
2-Fluorobiphenyl (S)	60	%	39-136	1	09/30/20 14:55	10/05/20 20:06	321-60-8	
Terphenyl-d14 (S)	77	%	29-131	1	09/30/20 14:55	10/05/20 20:06	1718-51-0	
8260 MSV 5035A VOA								
Analytical Method: EPA 8260B Preparation Method: EPA 5035A/5030								
Pace Analytical Services - Kansas City								
Acetone	ND	ug/kg	12.7	1	10/01/20 09:39	10/01/20 12:23	67-64-1	
Benzene	ND	ug/kg	3.2	1	10/01/20 09:39	10/01/20 12:23	71-43-2	
Bromobenzene	ND	ug/kg	3.2	1	10/01/20 09:39	10/01/20 12:23	108-86-1	
Bromochloromethane	ND	ug/kg	3.2	1	10/01/20 09:39	10/01/20 12:23	74-97-5	
Bromodichloromethane	ND	ug/kg	3.2	1	10/01/20 09:39	10/01/20 12:23	75-27-4	
Bromoform	ND	ug/kg	3.2	1	10/01/20 09:39	10/01/20 12:23	75-25-2	
Bromomethane	ND	ug/kg	3.2	1	10/01/20 09:39	10/01/20 12:23	74-83-9	
2-Butanone (MEK)	ND	ug/kg	6.3	1	10/01/20 09:39	10/01/20 12:23	78-93-3	
n-Butylbenzene	ND	ug/kg	3.2	1	10/01/20 09:39	10/01/20 12:23	104-51-8	
sec-Butylbenzene	ND	ug/kg	3.2	1	10/01/20 09:39	10/01/20 12:23	135-98-8	
tert-Butylbenzene	ND	ug/kg	15.8	1	10/01/20 09:39	10/01/20 12:23	98-06-6	
Carbon disulfide	ND	ug/kg	3.2	1	10/01/20 09:39	10/01/20 12:23	75-15-0	
Carbon tetrachloride	ND	ug/kg	3.2	1	10/01/20 09:39	10/01/20 12:23	56-23-5	
Chlorobenzene	ND	ug/kg	3.2	1	10/01/20 09:39	10/01/20 12:23	108-90-7	
Chloroethane	ND	ug/kg	3.2	1	10/01/20 09:39	10/01/20 12:23	75-00-3	
Chloroform	ND	ug/kg	3.2	1	10/01/20 09:39	10/01/20 12:23	67-66-3	
Chloromethane	ND	ug/kg	3.2	1	10/01/20 09:39	10/01/20 12:23	74-87-3	
2-Chlorotoluene	ND	ug/kg	3.2	1	10/01/20 09:39	10/01/20 12:23	95-49-8	
4-Chlorotoluene	ND	ug/kg	3.2	1	10/01/20 09:39	10/01/20 12:23	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/kg	6.3	1	10/01/20 09:39	10/01/20 12:23	96-12-8	
Dibromochloromethane	ND	ug/kg	3.2	1	10/01/20 09:39	10/01/20 12:23	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	3.2	1	10/01/20 09:39	10/01/20 12:23	106-93-4	
Dibromomethane	ND	ug/kg	3.2	1	10/01/20 09:39	10/01/20 12:23	74-95-3	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: PINE LAWN

Pace Project No.: 60349444

Sample: DPT-31-SO-(29-30) **Lab ID:** 60349444004 **Collected:** 09/24/20 17:15 **Received:** 09/25/20 04:55 **Matrix:** Solid

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

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
8260 MSV 5035A VOA	Analytical Method: EPA 8260B Preparation Method: EPA 5035A/5030 Pace Analytical Services - Kansas City								
1,2-Dichlorobenzene	ND	ug/kg	3.2	1	10/01/20 09:39	10/01/20 12:23	95-50-1	SS	
1,3-Dichlorobenzene	ND	ug/kg	3.2	1	10/01/20 09:39	10/01/20 12:23	541-73-1		
1,4-Dichlorobenzene	ND	ug/kg	3.2	1	10/01/20 09:39	10/01/20 12:23	106-46-7		
Dichlorodifluoromethane	ND	ug/kg	3.2	1	10/01/20 09:39	10/01/20 12:23	75-71-8		
1,1-Dichloroethane	ND	ug/kg	3.2	1	10/01/20 09:39	10/01/20 12:23	75-34-3		
1,2-Dichloroethane	ND	ug/kg	3.2	1	10/01/20 09:39	10/01/20 12:23	107-06-2		
1,2-Dichloroethene (Total)	ND	ug/kg	3.2	1	10/01/20 09:39	10/01/20 12:23	540-59-0		
1,1-Dichloroethene	ND	ug/kg	3.2	1	10/01/20 09:39	10/01/20 12:23	75-35-4		
cis-1,2-Dichloroethene	ND	ug/kg	3.2	1	10/01/20 09:39	10/01/20 12:23	156-59-2		
trans-1,2-Dichloroethene	ND	ug/kg	3.2	1	10/01/20 09:39	10/01/20 12:23	156-60-5		
1,2-Dichloropropane	ND	ug/kg	3.2	1	10/01/20 09:39	10/01/20 12:23	78-87-5		
1,3-Dichloropropane	ND	ug/kg	3.2	1	10/01/20 09:39	10/01/20 12:23	142-28-9		
2,2-Dichloropropane	ND	ug/kg	3.2	1	10/01/20 09:39	10/01/20 12:23	594-20-7		
1,1-Dichloropropene	ND	ug/kg	3.2	1	10/01/20 09:39	10/01/20 12:23	563-58-6		
cis-1,3-Dichloropropene	ND	ug/kg	3.2	1	10/01/20 09:39	10/01/20 12:23	10061-01-5		
trans-1,3-Dichloropropene	ND	ug/kg	3.2	1	10/01/20 09:39	10/01/20 12:23	10061-02-6		
Ethylbenzene	ND	ug/kg	3.2	1	10/01/20 09:39	10/01/20 12:23	100-41-4		
Hexachloro-1,3-butadiene	ND	ug/kg	3.2	1	10/01/20 09:39	10/01/20 12:23	87-68-3		
2-Hexanone	ND	ug/kg	12.7	1	10/01/20 09:39	10/01/20 12:23	591-78-6		
Isopropylbenzene (Cumene)	ND	ug/kg	3.2	1	10/01/20 09:39	10/01/20 12:23	98-82-8		
p-Isopropyltoluene	ND	ug/kg	3.2	1	10/01/20 09:39	10/01/20 12:23	99-87-6		
Methylene Chloride	ND	ug/kg	3.2	1	10/01/20 09:39	10/01/20 12:23	75-09-2		
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	6.3	1	10/01/20 09:39	10/01/20 12:23	108-10-1		
Methyl-tert-butyl ether	ND	ug/kg	3.2	1	10/01/20 09:39	10/01/20 12:23	1634-04-4		
Naphthalene	ND	ug/kg	6.3	1	10/01/20 09:39	10/01/20 12:23	91-20-3		
n-Propylbenzene	ND	ug/kg	3.2	1	10/01/20 09:39	10/01/20 12:23	103-65-1		
Styrene	ND	ug/kg	3.2	1	10/01/20 09:39	10/01/20 12:23	100-42-5		
1,1,1,2-Tetrachloroethane	ND	ug/kg	3.2	1	10/01/20 09:39	10/01/20 12:23	630-20-6		
1,1,2,2-Tetrachloroethane	ND	ug/kg	3.2	1	10/01/20 09:39	10/01/20 12:23	79-34-5		
Tetrachloroethene	ND	ug/kg	3.2	1	10/01/20 09:39	10/01/20 12:23	127-18-4		
Toluene	ND	ug/kg	3.2	1	10/01/20 09:39	10/01/20 12:23	108-88-3		
1,2,3-Trichlorobenzene	ND	ug/kg	3.2	1	10/01/20 09:39	10/01/20 12:23	87-61-6		
1,2,4-Trichlorobenzene	ND	ug/kg	3.2	1	10/01/20 09:39	10/01/20 12:23	120-82-1		
1,1,1-Trichloroethane	ND	ug/kg	3.2	1	10/01/20 09:39	10/01/20 12:23	71-55-6		
1,1,2-Trichloroethane	ND	ug/kg	3.2	1	10/01/20 09:39	10/01/20 12:23	79-00-5		
Trichloroethene	ND	ug/kg	3.2	1	10/01/20 09:39	10/01/20 12:23	79-01-6		
Trichlorofluoromethane	ND	ug/kg	3.2	1	10/01/20 09:39	10/01/20 12:23	75-69-4		
1,2,3-Trichloropropane	ND	ug/kg	3.2	1	10/01/20 09:39	10/01/20 12:23	96-18-4		
1,2,4-Trimethylbenzene	ND	ug/kg	3.2	1	10/01/20 09:39	10/01/20 12:23	95-63-6		
1,3,5-Trimethylbenzene	ND	ug/kg	3.2	1	10/01/20 09:39	10/01/20 12:23	108-67-8		
Vinyl chloride	ND	ug/kg	3.2	1	10/01/20 09:39	10/01/20 12:23	75-01-4		
Xylene (Total)	ND	ug/kg	3.2	1	10/01/20 09:39	10/01/20 12:23	1330-20-7		
Surrogates									
Toluene-d8 (S)	99	%	80-120	1	10/01/20 09:39	10/01/20 12:23	2037-26-5		
4-Bromofluorobenzene (S)	96	%	85-115	1	10/01/20 09:39	10/01/20 12:23	460-00-4		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: PINE LAWN

Pace Project No.: 60349444

Sample: DPT-31-SO-(29-30) **Lab ID:** 60349444004 Collected: 09/24/20 17:15 Received: 09/25/20 04:55 Matrix: Solid

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

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035A VOA								
Analytical Method: EPA 8260B Preparation Method: EPA 5035A/5030								
Pace Analytical Services - Kansas City								
Surrogates								
1,2-Dichloroethane-d4 (S)	109	%	78-118	1	10/01/20 09:39	10/01/20 12:23	17060-07-0	
8260 MSV GRO and Oxygenates								
Analytical Method: EPA 8260 Preparation Method: EPA 5035								
Pace Analytical Services - Kansas City								
TPH-GRO	ND	mg/kg	0.32	1	10/01/20 09:39	10/01/20 12:23		
Surrogates								
Toluene-d8 (S)	99	%	78-122	1	10/01/20 09:39	10/01/20 12:23	2037-26-5	
4-Bromofluorobenzene (S)	96	%	69-133	1	10/01/20 09:39	10/01/20 12:23	460-00-4	
1,2-Dichloroethane-d4 (S)	109	%	80-123	1	10/01/20 09:39	10/01/20 12:23	17060-07-0	
Percent Moisture								
Analytical Method: ASTM D2974								
Pace Analytical Services - Kansas City								
Percent Moisture	16.5	%	0.50	1		09/29/20 14:17		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: PINE LAWN

Pace Project No.: 60349444

Sample: DPT-32-SO-(0-3) **Lab ID:** 60349444005 **Collected:** 09/24/20 17:30 **Received:** 09/25/20 04:55 **Matrix:** Solid

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

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8082 GCS PCB SW								
Analytical Method: EPA 8082 Preparation Method: EPA 3546								
Pace Analytical Services - Kansas City								
PCB-1016 (Aroclor 1016)	ND	ug/kg	37.0	1	09/30/20 15:02	10/02/20 19:12	12674-11-2	
PCB-1221 (Aroclor 1221)	ND	ug/kg	37.0	1	09/30/20 15:02	10/02/20 19:12	11104-28-2	
PCB-1232 (Aroclor 1232)	ND	ug/kg	37.0	1	09/30/20 15:02	10/02/20 19:12	11141-16-5	
PCB-1242 (Aroclor 1242)	ND	ug/kg	37.0	1	09/30/20 15:02	10/02/20 19:12	53469-21-9	
PCB-1248 (Aroclor 1248)	ND	ug/kg	37.0	1	09/30/20 15:02	10/02/20 19:12	12672-29-6	
PCB-1254 (Aroclor 1254)	ND	ug/kg	37.0	1	09/30/20 15:02	10/02/20 19:12	11097-69-1	
PCB-1260 (Aroclor 1260)	ND	ug/kg	37.0	1	09/30/20 15:02	10/02/20 19:12	11096-82-5	
Surrogates								
Decachlorobiphenyl (S)	91	%	28-143	1	09/30/20 15:02	10/02/20 19:12	2051-24-3	
6010 MET ICP Red. Interference								
Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Pace Analytical Services - Kansas City								
Arsenic	4.8	mg/kg	0.97	1	10/05/20 14:38	10/07/20 10:25	7440-38-2	
Barium	108	mg/kg	0.48	1	10/05/20 14:38	10/07/20 10:25	7440-39-3	
Cadmium	ND	mg/kg	0.48	1	10/05/20 14:38	10/07/20 10:25	7440-43-9	
Chromium	20.1	mg/kg	0.48	1	10/05/20 14:38	10/07/20 10:25	7440-47-3	
Lead	50.3	mg/kg	0.97	1	10/05/20 14:38	10/07/20 10:25	7439-92-1	
Selenium	ND	mg/kg	1.4	1	10/05/20 14:38	10/07/20 10:25	7782-49-2	
Silver	ND	mg/kg	0.68	1	10/05/20 14:38	10/07/20 10:25	7440-22-4	
7471 Mercury								
Analytical Method: EPA 7471 Preparation Method: EPA 7471								
Pace Analytical Services - Kansas City								
Mercury	0.28	mg/kg	0.048	1	10/05/20 10:25	10/06/20 11:01	7439-97-6	
8270 MSSV Semivolatiles								
Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Pace Analytical Services - Kansas City								
Acenaphthene	ND	ug/kg	1860	1	09/30/20 12:08	10/06/20 17:28	83-32-9	
Acenaphthylene	ND	ug/kg	1860	1	09/30/20 12:08	10/06/20 17:28	208-96-8	
Anthracene	ND	ug/kg	1860	1	09/30/20 12:08	10/06/20 17:28	120-12-7	
Benzo(a)anthracene	ND	ug/kg	1860	1	09/30/20 12:08	10/06/20 17:28	56-55-3	
Benzo(a)pyrene	ND	ug/kg	1860	1	09/30/20 12:08	10/06/20 17:28	50-32-8	
Benzo(b)fluoranthene	ND	ug/kg	1860	1	09/30/20 12:08	10/06/20 17:28	205-99-2	
Benzo(g,h,i)perylene	ND	ug/kg	1860	1	09/30/20 12:08	10/06/20 17:28	191-24-2	
Benzo(k)fluoranthene	ND	ug/kg	1860	1	09/30/20 12:08	10/06/20 17:28	207-08-9	
Benzoic Acid	ND	ug/kg	9390	1	09/30/20 12:08	10/06/20 17:28	65-85-0	
Benzyl alcohol	ND	ug/kg	3710	1	09/30/20 12:08	10/06/20 17:28	100-51-6	
4-Bromophenylphenyl ether	ND	ug/kg	1860	1	09/30/20 12:08	10/06/20 17:28	101-55-3	
Butylbenzylphthalate	ND	ug/kg	1860	1	09/30/20 12:08	10/06/20 17:28	85-68-7	
Carbazole	ND	ug/kg	1860	1	09/30/20 12:08	10/06/20 17:28	86-74-8	
4-Chloro-3-methylphenol	ND	ug/kg	3710	1	09/30/20 12:08	10/06/20 17:28	59-50-7	
4-Chloroaniline	ND	ug/kg	3710	1	09/30/20 12:08	10/06/20 17:28	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/kg	1860	1	09/30/20 12:08	10/06/20 17:28	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/kg	1860	1	09/30/20 12:08	10/06/20 17:28	111-44-4	
bis(2-Chloroisopropyl) ether	ND	ug/kg	1860	1	09/30/20 12:08	10/06/20 17:28	108-60-1	
2-Chloronaphthalene	ND	ug/kg	1860	1	09/30/20 12:08	10/06/20 17:28	91-58-7	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: PINE LAWN

Pace Project No.: 60349444

Sample: DPT-32-SO-(0-3) Lab ID: 60349444005 Collected: 09/24/20 17:30 Received: 09/25/20 04:55 Matrix: Solid

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

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Semivolatiles		Analytical Method: EPA 8270 Preparation Method: EPA 3546 Pace Analytical Services - Kansas City						
2-Chlorophenol	ND	ug/kg	1860	1	09/30/20 12:08	10/06/20 17:28	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/kg	1860	1	09/30/20 12:08	10/06/20 17:28	7005-72-3	
Chrysene	ND	ug/kg	1860	1	09/30/20 12:08	10/06/20 17:28	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	1860	1	09/30/20 12:08	10/06/20 17:28	53-70-3	
Dibenzofuran	ND	ug/kg	1860	1	09/30/20 12:08	10/06/20 17:28	132-64-9	
1,2-Dichlorobenzene	ND	ug/kg	1860	1	09/30/20 12:08	10/06/20 17:28	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	1860	1	09/30/20 12:08	10/06/20 17:28	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	1860	1	09/30/20 12:08	10/06/20 17:28	106-46-7	
3,3'-Dichlorobenzidine	ND	ug/kg	3710	1	09/30/20 12:08	10/06/20 17:28	91-94-1	
2,4-Dichlorophenol	ND	ug/kg	1860	1	09/30/20 12:08	10/06/20 17:28	120-83-2	
Diethylphthalate	ND	ug/kg	1860	1	09/30/20 12:08	10/06/20 17:28	84-66-2	
2,4-Dimethylphenol	ND	ug/kg	1860	1	09/30/20 12:08	10/06/20 17:28	105-67-9	
Dimethylphthalate	ND	ug/kg	1860	1	09/30/20 12:08	10/06/20 17:28	131-11-3	
Di-n-butylphthalate	ND	ug/kg	1860	1	09/30/20 12:08	10/06/20 17:28	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/kg	9390	1	09/30/20 12:08	10/06/20 17:28	534-52-1	
2,4-Dinitrophenol	ND	ug/kg	9390	1	09/30/20 12:08	10/06/20 17:28	51-28-5	
2,4-Dinitrotoluene	ND	ug/kg	1860	1	09/30/20 12:08	10/06/20 17:28	121-14-2	
2,6-Dinitrotoluene	ND	ug/kg	1860	1	09/30/20 12:08	10/06/20 17:28	606-20-2	
Di-n-octylphthalate	ND	ug/kg	1860	1	09/30/20 12:08	10/06/20 17:28	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/kg	1860	1	09/30/20 12:08	10/06/20 17:28	117-81-7	
Fluoranthene	ND	ug/kg	1860	1	09/30/20 12:08	10/06/20 17:28	206-44-0	
Fluorene	ND	ug/kg	1860	1	09/30/20 12:08	10/06/20 17:28	86-73-7	
Hexachloro-1,3-butadiene	ND	ug/kg	1860	1	09/30/20 12:08	10/06/20 17:28	87-68-3	
Hexachlorobenzene	ND	ug/kg	1860	1	09/30/20 12:08	10/06/20 17:28	118-74-1	
Hexachlorocyclopentadiene	ND	ug/kg	1860	1	09/30/20 12:08	10/06/20 17:28	77-47-4	
Hexachloroethane	ND	ug/kg	1860	1	09/30/20 12:08	10/06/20 17:28	67-72-1	
Indeno(1,2,3-cd)pyrene	ND	ug/kg	1860	1	09/30/20 12:08	10/06/20 17:28	193-39-5	
Isophorone	ND	ug/kg	1860	1	09/30/20 12:08	10/06/20 17:28	78-59-1	
2-Methylnaphthalene	ND	ug/kg	1860	1	09/30/20 12:08	10/06/20 17:28	91-57-6	
2-Methylphenol(o-Cresol)	ND	ug/kg	1860	1	09/30/20 12:08	10/06/20 17:28	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/kg	1860	1	09/30/20 12:08	10/06/20 17:28	15831-10-4	
Naphthalene	ND	ug/kg	1860	1	09/30/20 12:08	10/06/20 17:28	91-20-3	
2-Nitroaniline	ND	ug/kg	3710	1	09/30/20 12:08	10/06/20 17:28	88-74-4	
3-Nitroaniline	ND	ug/kg	3710	1	09/30/20 12:08	10/06/20 17:28	99-09-2	
4-Nitroaniline	ND	ug/kg	3710	1	09/30/20 12:08	10/06/20 17:28	100-01-6	
Nitrobenzene	ND	ug/kg	1860	1	09/30/20 12:08	10/06/20 17:28	98-95-3	
2-Nitrophenol	ND	ug/kg	1860	1	09/30/20 12:08	10/06/20 17:28	88-75-5	
4-Nitrophenol	ND	ug/kg	9390	1	09/30/20 12:08	10/06/20 17:28	100-02-7	
N-Nitroso-di-n-propylamine	ND	ug/kg	1860	1	09/30/20 12:08	10/06/20 17:28	621-64-7	
N-Nitrosodiphenylamine	ND	ug/kg	1860	1	09/30/20 12:08	10/06/20 17:28	86-30-6	
Pentachlorophenol	ND	ug/kg	9390	1	09/30/20 12:08	10/06/20 17:28	87-86-5	
Phenanthrene	ND	ug/kg	1860	1	09/30/20 12:08	10/06/20 17:28	85-01-8	
Phenol	ND	ug/kg	1860	1	09/30/20 12:08	10/06/20 17:28	108-95-2	
Pyrene	ND	ug/kg	1860	1	09/30/20 12:08	10/06/20 17:28	129-00-0	
Pyridine	ND	ug/kg	1860	1	09/30/20 12:08	10/06/20 17:28	110-86-1	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: PINE LAWN

Pace Project No.: 60349444

Sample: DPT-32-SO-(0-3) **Lab ID: 60349444005** Collected: 09/24/20 17:30 Received: 09/25/20 04:55 Matrix: Solid

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

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
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8270 MSSV Semivolatiles

Analytical Method: EPA 8270 Preparation Method: EPA 3546

Pace Analytical Services - Kansas City

1,2,4-Trichlorobenzene	ND	ug/kg	1860	1	09/30/20 12:08	10/06/20 17:28	120-82-1	
2,4,5-Trichlorophenol	ND	ug/kg	1860	1	09/30/20 12:08	10/06/20 17:28	95-95-4	
2,4,6-Trichlorophenol	ND	ug/kg	1860	1	09/30/20 12:08	10/06/20 17:28	88-06-2	
Surrogates								
Nitrobenzene-d5 (S)	52	%	33-132	1	09/30/20 12:08	10/06/20 17:28	4165-60-0	P3
2-Fluorobiphenyl (S)	68	%	39-136	1	09/30/20 12:08	10/06/20 17:28	321-60-8	
Terphenyl-d14 (S)	72	%	29-131	1	09/30/20 12:08	10/06/20 17:28	1718-51-0	
Phenol-d6 (S)	59	%	43-95	1	09/30/20 12:08	10/06/20 17:28	13127-88-3	
2-Fluorophenol (S)	58	%	43-96	1	09/30/20 12:08	10/06/20 17:28	367-12-4	
2,4,6-Tribromophenol (S)	54	%	41-108	1	09/30/20 12:08	10/06/20 17:28	118-79-6	

8270 MSSV DRO/ORO

Analytical Method: EPA 8270 Preparation Method: EPA 3546

Pace Analytical Services - Kansas City

TPH-ORO	261	mg/kg	42.3	1	09/30/20 14:55	10/07/20 19:48		
TPH-DRO	50.1	mg/kg	42.3	1	09/30/20 14:55	10/07/20 19:48		
Surrogates								
Nitrobenzene-d5 (S)	72	%	33-132	1	09/30/20 14:55	10/07/20 19:48	4165-60-0	P3
2-Fluorobiphenyl (S)	83	%	39-136	1	09/30/20 14:55	10/07/20 19:48	321-60-8	
Terphenyl-d14 (S)	84	%	29-131	1	09/30/20 14:55	10/07/20 19:48	1718-51-0	

8260 MSV 5035A VOA

Analytical Method: EPA 8260B Preparation Method: EPA 5035A/5030

Pace Analytical Services - Kansas City

Acetone	64.3	ug/kg	13.4	1	10/01/20 09:39	10/01/20 12:39	67-64-1	
Benzene	ND	ug/kg	3.4	1	10/01/20 09:39	10/01/20 12:39	71-43-2	
Bromobenzene	ND	ug/kg	3.4	1	10/01/20 09:39	10/01/20 12:39	108-86-1	
Bromochloromethane	ND	ug/kg	3.4	1	10/01/20 09:39	10/01/20 12:39	74-97-5	
Bromodichloromethane	ND	ug/kg	3.4	1	10/01/20 09:39	10/01/20 12:39	75-27-4	
Bromoform	ND	ug/kg	3.4	1	10/01/20 09:39	10/01/20 12:39	75-25-2	
Bromomethane	ND	ug/kg	3.4	1	10/01/20 09:39	10/01/20 12:39	74-83-9	
2-Butanone (MEK)	8.2	ug/kg	6.7	1	10/01/20 09:39	10/01/20 12:39	78-93-3	
n-Butylbenzene	ND	ug/kg	3.4	1	10/01/20 09:39	10/01/20 12:39	104-51-8	
sec-Butylbenzene	ND	ug/kg	3.4	1	10/01/20 09:39	10/01/20 12:39	135-98-8	
tert-Butylbenzene	ND	ug/kg	16.8	1	10/01/20 09:39	10/01/20 12:39	98-06-6	
Carbon disulfide	ND	ug/kg	3.4	1	10/01/20 09:39	10/01/20 12:39	75-15-0	
Carbon tetrachloride	ND	ug/kg	3.4	1	10/01/20 09:39	10/01/20 12:39	56-23-5	
Chlorobenzene	ND	ug/kg	3.4	1	10/01/20 09:39	10/01/20 12:39	108-90-7	
Chloroethane	ND	ug/kg	3.4	1	10/01/20 09:39	10/01/20 12:39	75-00-3	
Chloroform	ND	ug/kg	3.4	1	10/01/20 09:39	10/01/20 12:39	67-66-3	
Chloromethane	ND	ug/kg	3.4	1	10/01/20 09:39	10/01/20 12:39	74-87-3	
2-Chlorotoluene	ND	ug/kg	3.4	1	10/01/20 09:39	10/01/20 12:39	95-49-8	
4-Chlorotoluene	ND	ug/kg	3.4	1	10/01/20 09:39	10/01/20 12:39	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/kg	6.7	1	10/01/20 09:39	10/01/20 12:39	96-12-8	
Dibromochloromethane	ND	ug/kg	3.4	1	10/01/20 09:39	10/01/20 12:39	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	3.4	1	10/01/20 09:39	10/01/20 12:39	106-93-4	
Dibromomethane	ND	ug/kg	3.4	1	10/01/20 09:39	10/01/20 12:39	74-95-3	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: PINE LAWN

Pace Project No.: 60349444

Sample: DPT-32-SO-(0-3) Lab ID: 60349444005 Collected: 09/24/20 17:30 Received: 09/25/20 04:55 Matrix: Solid

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

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
8260 MSV 5035A VOA									
Analytical Method: EPA 8260B Preparation Method: EPA 5035A/5030									
Pace Analytical Services - Kansas City									
1,2-Dichlorobenzene	ND	ug/kg	3.4	1	10/01/20 09:39	10/01/20 12:39	95-50-1	SS	
1,3-Dichlorobenzene	ND	ug/kg	3.4	1	10/01/20 09:39	10/01/20 12:39	541-73-1		
1,4-Dichlorobenzene	ND	ug/kg	3.4	1	10/01/20 09:39	10/01/20 12:39	106-46-7		
Dichlorodifluoromethane	ND	ug/kg	3.4	1	10/01/20 09:39	10/01/20 12:39	75-71-8		
1,1-Dichloroethane	ND	ug/kg	3.4	1	10/01/20 09:39	10/01/20 12:39	75-34-3		
1,2-Dichloroethane	ND	ug/kg	3.4	1	10/01/20 09:39	10/01/20 12:39	107-06-2		
1,2-Dichloroethene (Total)	ND	ug/kg	3.4	1	10/01/20 09:39	10/01/20 12:39	540-59-0		
1,1-Dichloroethene	ND	ug/kg	3.4	1	10/01/20 09:39	10/01/20 12:39	75-35-4		
cis-1,2-Dichloroethene	ND	ug/kg	3.4	1	10/01/20 09:39	10/01/20 12:39	156-59-2		
trans-1,2-Dichloroethene	ND	ug/kg	3.4	1	10/01/20 09:39	10/01/20 12:39	156-60-5		
1,2-Dichloropropane	ND	ug/kg	3.4	1	10/01/20 09:39	10/01/20 12:39	78-87-5		
1,3-Dichloropropane	ND	ug/kg	3.4	1	10/01/20 09:39	10/01/20 12:39	142-28-9		
2,2-Dichloropropane	ND	ug/kg	3.4	1	10/01/20 09:39	10/01/20 12:39	594-20-7		
1,1-Dichloropropene	ND	ug/kg	3.4	1	10/01/20 09:39	10/01/20 12:39	563-58-6		
cis-1,3-Dichloropropene	ND	ug/kg	3.4	1	10/01/20 09:39	10/01/20 12:39	10061-01-5		
trans-1,3-Dichloropropene	ND	ug/kg	3.4	1	10/01/20 09:39	10/01/20 12:39	10061-02-6		
Ethylbenzene	ND	ug/kg	3.4	1	10/01/20 09:39	10/01/20 12:39	100-41-4		
Hexachloro-1,3-butadiene	ND	ug/kg	3.4	1	10/01/20 09:39	10/01/20 12:39	87-68-3		
2-Hexanone	ND	ug/kg	13.4	1	10/01/20 09:39	10/01/20 12:39	591-78-6		
Isopropylbenzene (Cumene)	ND	ug/kg	3.4	1	10/01/20 09:39	10/01/20 12:39	98-82-8		
p-Isopropyltoluene	ND	ug/kg	3.4	1	10/01/20 09:39	10/01/20 12:39	99-87-6		
Methylene Chloride	ND	ug/kg	3.4	1	10/01/20 09:39	10/01/20 12:39	75-09-2		
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	6.7	1	10/01/20 09:39	10/01/20 12:39	108-10-1		
Methyl-tert-butyl ether	ND	ug/kg	3.4	1	10/01/20 09:39	10/01/20 12:39	1634-04-4		
Naphthalene	ND	ug/kg	6.7	1	10/01/20 09:39	10/01/20 12:39	91-20-3		
n-Propylbenzene	ND	ug/kg	3.4	1	10/01/20 09:39	10/01/20 12:39	103-65-1		
Styrene	ND	ug/kg	3.4	1	10/01/20 09:39	10/01/20 12:39	100-42-5		
1,1,1,2-Tetrachloroethane	ND	ug/kg	3.4	1	10/01/20 09:39	10/01/20 12:39	630-20-6		
1,1,2,2-Tetrachloroethane	ND	ug/kg	3.4	1	10/01/20 09:39	10/01/20 12:39	79-34-5		
Tetrachloroethene	ND	ug/kg	3.4	1	10/01/20 09:39	10/01/20 12:39	127-18-4		
Toluene	ND	ug/kg	3.4	1	10/01/20 09:39	10/01/20 12:39	108-88-3		
1,2,3-Trichlorobenzene	ND	ug/kg	3.4	1	10/01/20 09:39	10/01/20 12:39	87-61-6		
1,2,4-Trichlorobenzene	ND	ug/kg	3.4	1	10/01/20 09:39	10/01/20 12:39	120-82-1		
1,1,1-Trichloroethane	ND	ug/kg	3.4	1	10/01/20 09:39	10/01/20 12:39	71-55-6		
1,1,2-Trichloroethane	ND	ug/kg	3.4	1	10/01/20 09:39	10/01/20 12:39	79-00-5		
Trichloroethene	ND	ug/kg	3.4	1	10/01/20 09:39	10/01/20 12:39	79-01-6		
Trichlorofluoromethane	ND	ug/kg	3.4	1	10/01/20 09:39	10/01/20 12:39	75-69-4		
1,2,3-Trichloropropane	ND	ug/kg	3.4	1	10/01/20 09:39	10/01/20 12:39	96-18-4		
1,2,4-Trimethylbenzene	ND	ug/kg	3.4	1	10/01/20 09:39	10/01/20 12:39	95-63-6		
1,3,5-Trimethylbenzene	ND	ug/kg	3.4	1	10/01/20 09:39	10/01/20 12:39	108-67-8		
Vinyl chloride	ND	ug/kg	3.4	1	10/01/20 09:39	10/01/20 12:39	75-01-4		
Xylene (Total)	ND	ug/kg	3.4	1	10/01/20 09:39	10/01/20 12:39	1330-20-7		
Surrogates									
Toluene-d8 (S)	101	%	80-120	1	10/01/20 09:39	10/01/20 12:39	2037-26-5		
4-Bromofluorobenzene (S)	98	%	85-115	1	10/01/20 09:39	10/01/20 12:39	460-00-4		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: PINE LAWN

Pace Project No.: 60349444

Sample: DPT-32-SO-(0-3) **Lab ID:** 60349444005 Collected: 09/24/20 17:30 Received: 09/25/20 04:55 Matrix: Solid

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

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035A VOA								
Analytical Method: EPA 8260B Preparation Method: EPA 5035A/5030								
Pace Analytical Services - Kansas City								
Surrogates								
1,2-Dichloroethane-d4 (S)	107	%	78-118	1	10/01/20 09:39	10/01/20 12:39	17060-07-0	
8260 MSV GRO and Oxygenates								
Analytical Method: EPA 8260 Preparation Method: EPA 5035								
Pace Analytical Services - Kansas City								
TPH-GRO	ND	mg/kg	0.34	1	10/01/20 09:39	10/01/20 12:39		
Surrogates								
Toluene-d8 (S)	101	%	78-122	1	10/01/20 09:39	10/01/20 12:39	2037-26-5	
4-Bromofluorobenzene (S)	98	%	69-133	1	10/01/20 09:39	10/01/20 12:39	460-00-4	
1,2-Dichloroethane-d4 (S)	107	%	80-123	1	10/01/20 09:39	10/01/20 12:39	17060-07-0	
Percent Moisture								
Analytical Method: ASTM D2974								
Pace Analytical Services - Kansas City								
Percent Moisture	12.3	%	0.50	1		09/29/20 14:17		

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ANALYTICAL RESULTS

Project: PINE LAWN

Pace Project No.: 60349444

Sample: DPT-32-SO-(24.5-25.5) **Lab ID:** 60349444006 **Collected:** 09/24/20 17:48 **Received:** 09/25/20 04:55 **Matrix:** Solid

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

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8082 GCS PCB SW								
Analytical Method: EPA 8082 Preparation Method: EPA 3546								
Pace Analytical Services - Kansas City								
PCB-1016 (Aroclor 1016)	ND	ug/kg	36.4	1	09/30/20 15:02	10/02/20 19:30	12674-11-2	
PCB-1221 (Aroclor 1221)	ND	ug/kg	36.4	1	09/30/20 15:02	10/02/20 19:30	11104-28-2	
PCB-1232 (Aroclor 1232)	ND	ug/kg	36.4	1	09/30/20 15:02	10/02/20 19:30	11141-16-5	
PCB-1242 (Aroclor 1242)	ND	ug/kg	36.4	1	09/30/20 15:02	10/02/20 19:30	53469-21-9	
PCB-1248 (Aroclor 1248)	ND	ug/kg	36.4	1	09/30/20 15:02	10/02/20 19:30	12672-29-6	
PCB-1254 (Aroclor 1254)	ND	ug/kg	36.4	1	09/30/20 15:02	10/02/20 19:30	11097-69-1	
PCB-1260 (Aroclor 1260)	ND	ug/kg	36.4	1	09/30/20 15:02	10/02/20 19:30	11096-82-5	
Surrogates								
Decachlorobiphenyl (S)	87	%	28-143	1	09/30/20 15:02	10/02/20 19:30	2051-24-3	
6010 MET ICP Red. Interference								
Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Pace Analytical Services - Kansas City								
Arsenic	21.1	mg/kg	1.1	1	10/05/20 14:38	10/07/20 10:28	7440-38-2	
Barium	47.1	mg/kg	0.55	1	10/05/20 14:38	10/07/20 10:28	7440-39-3	
Cadmium	ND	mg/kg	0.55	1	10/05/20 14:38	10/07/20 10:28	7440-43-9	
Chromium	26.3	mg/kg	0.55	1	10/05/20 14:38	10/07/20 10:28	7440-47-3	
Lead	39.5	mg/kg	1.1	1	10/05/20 14:38	10/07/20 10:28	7439-92-1	
Selenium	ND	mg/kg	1.6	1	10/05/20 14:38	10/07/20 10:28	7782-49-2	
Silver	ND	mg/kg	0.77	1	10/05/20 14:38	10/07/20 10:28	7440-22-4	
7471 Mercury								
Analytical Method: EPA 7471 Preparation Method: EPA 7471								
Pace Analytical Services - Kansas City								
Mercury	0.065	mg/kg	0.046	1	10/05/20 10:25	10/06/20 11:08	7439-97-6	
8270 MSSV Semivolatiles								
Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Pace Analytical Services - Kansas City								
Acenaphthene	ND	ug/kg	368	1	09/30/20 12:08	10/06/20 17:49	83-32-9	
Acenaphthylene	ND	ug/kg	368	1	09/30/20 12:08	10/06/20 17:49	208-96-8	
Anthracene	ND	ug/kg	368	1	09/30/20 12:08	10/06/20 17:49	120-12-7	
Benzo(a)anthracene	ND	ug/kg	368	1	09/30/20 12:08	10/06/20 17:49	56-55-3	
Benzo(a)pyrene	ND	ug/kg	368	1	09/30/20 12:08	10/06/20 17:49	50-32-8	
Benzo(b)fluoranthene	ND	ug/kg	368	1	09/30/20 12:08	10/06/20 17:49	205-99-2	
Benzo(g,h,i)perylene	ND	ug/kg	368	1	09/30/20 12:08	10/06/20 17:49	191-24-2	
Benzo(k)fluoranthene	ND	ug/kg	368	1	09/30/20 12:08	10/06/20 17:49	207-08-9	
Benzoic Acid	ND	ug/kg	1860	1	09/30/20 12:08	10/06/20 17:49	65-85-0	
Benzyl alcohol	ND	ug/kg	736	1	09/30/20 12:08	10/06/20 17:49	100-51-6	
4-Bromophenylphenyl ether	ND	ug/kg	368	1	09/30/20 12:08	10/06/20 17:49	101-55-3	
Butylbenzylphthalate	ND	ug/kg	368	1	09/30/20 12:08	10/06/20 17:49	85-68-7	
Carbazole	ND	ug/kg	368	1	09/30/20 12:08	10/06/20 17:49	86-74-8	
4-Chloro-3-methylphenol	ND	ug/kg	736	1	09/30/20 12:08	10/06/20 17:49	59-50-7	
4-Chloroaniline	ND	ug/kg	736	1	09/30/20 12:08	10/06/20 17:49	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/kg	368	1	09/30/20 12:08	10/06/20 17:49	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/kg	368	1	09/30/20 12:08	10/06/20 17:49	111-44-4	
bis(2-Chloroisopropyl) ether	ND	ug/kg	368	1	09/30/20 12:08	10/06/20 17:49	108-60-1	
2-Chloronaphthalene	ND	ug/kg	368	1	09/30/20 12:08	10/06/20 17:49	91-58-7	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: PINE LAWN

Pace Project No.: 60349444

Sample: DPT-32-SO-(24.5-25.5) **Lab ID:** 60349444006 **Collected:** 09/24/20 17:48 **Received:** 09/25/20 04:55 **Matrix:** Solid

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

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Semivolatiles		Analytical Method: EPA 8270 Preparation Method: EPA 3546 Pace Analytical Services - Kansas City						
2-Chlorophenol	ND	ug/kg	368	1	09/30/20 12:08	10/06/20 17:49	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/kg	368	1	09/30/20 12:08	10/06/20 17:49	7005-72-3	
Chrysene	ND	ug/kg	368	1	09/30/20 12:08	10/06/20 17:49	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	368	1	09/30/20 12:08	10/06/20 17:49	53-70-3	
Dibenzofuran	ND	ug/kg	368	1	09/30/20 12:08	10/06/20 17:49	132-64-9	
1,2-Dichlorobenzene	ND	ug/kg	368	1	09/30/20 12:08	10/06/20 17:49	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	368	1	09/30/20 12:08	10/06/20 17:49	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	368	1	09/30/20 12:08	10/06/20 17:49	106-46-7	
3,3'-Dichlorobenzidine	ND	ug/kg	736	1	09/30/20 12:08	10/06/20 17:49	91-94-1	
2,4-Dichlorophenol	ND	ug/kg	368	1	09/30/20 12:08	10/06/20 17:49	120-83-2	
Diethylphthalate	ND	ug/kg	368	1	09/30/20 12:08	10/06/20 17:49	84-66-2	
2,4-Dimethylphenol	ND	ug/kg	368	1	09/30/20 12:08	10/06/20 17:49	105-67-9	
Dimethylphthalate	ND	ug/kg	368	1	09/30/20 12:08	10/06/20 17:49	131-11-3	
Di-n-butylphthalate	ND	ug/kg	368	1	09/30/20 12:08	10/06/20 17:49	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/kg	1860	1	09/30/20 12:08	10/06/20 17:49	534-52-1	
2,4-Dinitrophenol	ND	ug/kg	1860	1	09/30/20 12:08	10/06/20 17:49	51-28-5	
2,4-Dinitrotoluene	ND	ug/kg	368	1	09/30/20 12:08	10/06/20 17:49	121-14-2	
2,6-Dinitrotoluene	ND	ug/kg	368	1	09/30/20 12:08	10/06/20 17:49	606-20-2	
Di-n-octylphthalate	ND	ug/kg	368	1	09/30/20 12:08	10/06/20 17:49	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/kg	368	1	09/30/20 12:08	10/06/20 17:49	117-81-7	
Fluoranthene	ND	ug/kg	368	1	09/30/20 12:08	10/06/20 17:49	206-44-0	
Fluorene	ND	ug/kg	368	1	09/30/20 12:08	10/06/20 17:49	86-73-7	
Hexachloro-1,3-butadiene	ND	ug/kg	368	1	09/30/20 12:08	10/06/20 17:49	87-68-3	
Hexachlorobenzene	ND	ug/kg	368	1	09/30/20 12:08	10/06/20 17:49	118-74-1	
Hexachlorocyclopentadiene	ND	ug/kg	368	1	09/30/20 12:08	10/06/20 17:49	77-47-4	
Hexachloroethane	ND	ug/kg	368	1	09/30/20 12:08	10/06/20 17:49	67-72-1	
Indeno(1,2,3-cd)pyrene	ND	ug/kg	368	1	09/30/20 12:08	10/06/20 17:49	193-39-5	
Isophorone	ND	ug/kg	368	1	09/30/20 12:08	10/06/20 17:49	78-59-1	
2-Methylnaphthalene	ND	ug/kg	368	1	09/30/20 12:08	10/06/20 17:49	91-57-6	
2-Methylphenol(o-Cresol)	ND	ug/kg	368	1	09/30/20 12:08	10/06/20 17:49	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/kg	368	1	09/30/20 12:08	10/06/20 17:49	15831-10-4	
Naphthalene	ND	ug/kg	368	1	09/30/20 12:08	10/06/20 17:49	91-20-3	
2-Nitroaniline	ND	ug/kg	736	1	09/30/20 12:08	10/06/20 17:49	88-74-4	
3-Nitroaniline	ND	ug/kg	736	1	09/30/20 12:08	10/06/20 17:49	99-09-2	
4-Nitroaniline	ND	ug/kg	736	1	09/30/20 12:08	10/06/20 17:49	100-01-6	
Nitrobenzene	ND	ug/kg	368	1	09/30/20 12:08	10/06/20 17:49	98-95-3	
2-Nitrophenol	ND	ug/kg	368	1	09/30/20 12:08	10/06/20 17:49	88-75-5	
4-Nitrophenol	ND	ug/kg	1860	1	09/30/20 12:08	10/06/20 17:49	100-02-7	
N-Nitroso-di-n-propylamine	ND	ug/kg	368	1	09/30/20 12:08	10/06/20 17:49	621-64-7	
N-Nitrosodiphenylamine	ND	ug/kg	368	1	09/30/20 12:08	10/06/20 17:49	86-30-6	
Pentachlorophenol	ND	ug/kg	1860	1	09/30/20 12:08	10/06/20 17:49	87-86-5	
Phenanthrene	ND	ug/kg	368	1	09/30/20 12:08	10/06/20 17:49	85-01-8	
Phenol	ND	ug/kg	368	1	09/30/20 12:08	10/06/20 17:49	108-95-2	
Pyrene	ND	ug/kg	368	1	09/30/20 12:08	10/06/20 17:49	129-00-0	
Pyridine	ND	ug/kg	368	1	09/30/20 12:08	10/06/20 17:49	110-86-1	

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ANALYTICAL RESULTS

Project: PINE LAWN

Pace Project No.: 60349444

Sample: DPT-32-SO-(24.5-25.5) **Lab ID:** 60349444006 **Collected:** 09/24/20 17:48 **Received:** 09/25/20 04:55 **Matrix:** Solid

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

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Semivolatiles								
Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Pace Analytical Services - Kansas City								
1,2,4-Trichlorobenzene	ND	ug/kg	368	1	09/30/20 12:08	10/06/20 17:49	120-82-1	
2,4,5-Trichlorophenol	ND	ug/kg	368	1	09/30/20 12:08	10/06/20 17:49	95-95-4	
2,4,6-Trichlorophenol	ND	ug/kg	368	1	09/30/20 12:08	10/06/20 17:49	88-06-2	
Surrogates								
Nitrobenzene-d5 (S)	58	%	33-132	1	09/30/20 12:08	10/06/20 17:49	4165-60-0	
2-Fluorobiphenyl (S)	66	%	39-136	1	09/30/20 12:08	10/06/20 17:49	321-60-8	
Terphenyl-d14 (S)	71	%	29-131	1	09/30/20 12:08	10/06/20 17:49	1718-51-0	
Phenol-d6 (S)	60	%	43-95	1	09/30/20 12:08	10/06/20 17:49	13127-88-3	
2-Fluorophenol (S)	59	%	43-96	1	09/30/20 12:08	10/06/20 17:49	367-12-4	
2,4,6-Tribromophenol (S)	61	%	41-108	1	09/30/20 12:08	10/06/20 17:49	118-79-6	
8270 MSSV DRO/ORO								
Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Pace Analytical Services - Kansas City								
TPH-ORO	ND	mg/kg	16.1	1	10/02/20 15:13	10/07/20 21:26		
TPH-DRO	ND	mg/kg	16.1	1	10/02/20 15:13	10/07/20 21:26		
Surrogates								
Nitrobenzene-d5 (S)	71	%	33-132	1	10/02/20 15:13	10/07/20 21:26	4165-60-0	
2-Fluorobiphenyl (S)	76	%	39-136	1	10/02/20 15:13	10/07/20 21:26	321-60-8	
Terphenyl-d14 (S)	82	%	29-131	1	10/02/20 15:13	10/07/20 21:26	1718-51-0	
8260 MSV 5035A VOA								
Analytical Method: EPA 8260B Preparation Method: EPA 5035A/5030								
Pace Analytical Services - Kansas City								
Acetone	ND	ug/kg	14.0	1	10/01/20 09:39	10/01/20 12:54	67-64-1	
Benzene	ND	ug/kg	3.5	1	10/01/20 09:39	10/01/20 12:54	71-43-2	
Bromobenzene	ND	ug/kg	3.5	1	10/01/20 09:39	10/01/20 12:54	108-86-1	
Bromochloromethane	ND	ug/kg	3.5	1	10/01/20 09:39	10/01/20 12:54	74-97-5	
Bromodichloromethane	ND	ug/kg	3.5	1	10/01/20 09:39	10/01/20 12:54	75-27-4	
Bromoform	ND	ug/kg	3.5	1	10/01/20 09:39	10/01/20 12:54	75-25-2	
Bromomethane	ND	ug/kg	3.5	1	10/01/20 09:39	10/01/20 12:54	74-83-9	
2-Butanone (MEK)	ND	ug/kg	7.0	1	10/01/20 09:39	10/01/20 12:54	78-93-3	
n-Butylbenzene	ND	ug/kg	3.5	1	10/01/20 09:39	10/01/20 12:54	104-51-8	
sec-Butylbenzene	ND	ug/kg	3.5	1	10/01/20 09:39	10/01/20 12:54	135-98-8	
tert-Butylbenzene	ND	ug/kg	17.5	1	10/01/20 09:39	10/01/20 12:54	98-06-6	
Carbon disulfide	ND	ug/kg	3.5	1	10/01/20 09:39	10/01/20 12:54	75-15-0	
Carbon tetrachloride	ND	ug/kg	3.5	1	10/01/20 09:39	10/01/20 12:54	56-23-5	
Chlorobenzene	ND	ug/kg	3.5	1	10/01/20 09:39	10/01/20 12:54	108-90-7	
Chloroethane	ND	ug/kg	3.5	1	10/01/20 09:39	10/01/20 12:54	75-00-3	
Chloroform	ND	ug/kg	3.5	1	10/01/20 09:39	10/01/20 12:54	67-66-3	
Chloromethane	ND	ug/kg	3.5	1	10/01/20 09:39	10/01/20 12:54	74-87-3	
2-Chlorotoluene	ND	ug/kg	3.5	1	10/01/20 09:39	10/01/20 12:54	95-49-8	
4-Chlorotoluene	ND	ug/kg	3.5	1	10/01/20 09:39	10/01/20 12:54	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/kg	7.0	1	10/01/20 09:39	10/01/20 12:54	96-12-8	
Dibromochloromethane	ND	ug/kg	3.5	1	10/01/20 09:39	10/01/20 12:54	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	3.5	1	10/01/20 09:39	10/01/20 12:54	106-93-4	
Dibromomethane	ND	ug/kg	3.5	1	10/01/20 09:39	10/01/20 12:54	74-95-3	

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ANALYTICAL RESULTS

Project: PINE LAWN

Pace Project No.: 60349444

Sample: DPT-32-SO-(24.5-25.5) **Lab ID:** 60349444006 **Collected:** 09/24/20 17:48 **Received:** 09/25/20 04:55 **Matrix:** Solid

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

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
8260 MSV 5035A VOA		Analytical Method: EPA 8260B Preparation Method: EPA 5035A/5030 Pace Analytical Services - Kansas City							
1,2-Dichlorobenzene	ND	ug/kg	3.5	1	10/01/20 09:39	10/01/20 12:54	95-50-1	SS	
1,3-Dichlorobenzene	ND	ug/kg	3.5	1	10/01/20 09:39	10/01/20 12:54	541-73-1		
1,4-Dichlorobenzene	ND	ug/kg	3.5	1	10/01/20 09:39	10/01/20 12:54	106-46-7		
Dichlorodifluoromethane	ND	ug/kg	3.5	1	10/01/20 09:39	10/01/20 12:54	75-71-8		
1,1-Dichloroethane	ND	ug/kg	3.5	1	10/01/20 09:39	10/01/20 12:54	75-34-3		
1,2-Dichloroethane	ND	ug/kg	3.5	1	10/01/20 09:39	10/01/20 12:54	107-06-2		
1,2-Dichloroethene (Total)	ND	ug/kg	3.5	1	10/01/20 09:39	10/01/20 12:54	540-59-0		
1,1-Dichloroethene	ND	ug/kg	3.5	1	10/01/20 09:39	10/01/20 12:54	75-35-4		
cis-1,2-Dichloroethene	ND	ug/kg	3.5	1	10/01/20 09:39	10/01/20 12:54	156-59-2		
trans-1,2-Dichloroethene	ND	ug/kg	3.5	1	10/01/20 09:39	10/01/20 12:54	156-60-5		
1,2-Dichloropropane	ND	ug/kg	3.5	1	10/01/20 09:39	10/01/20 12:54	78-87-5		
1,3-Dichloropropane	ND	ug/kg	3.5	1	10/01/20 09:39	10/01/20 12:54	142-28-9		
2,2-Dichloropropane	ND	ug/kg	3.5	1	10/01/20 09:39	10/01/20 12:54	594-20-7		
1,1-Dichloropropene	ND	ug/kg	3.5	1	10/01/20 09:39	10/01/20 12:54	563-58-6		
cis-1,3-Dichloropropene	ND	ug/kg	3.5	1	10/01/20 09:39	10/01/20 12:54	10061-01-5		
trans-1,3-Dichloropropene	ND	ug/kg	3.5	1	10/01/20 09:39	10/01/20 12:54	10061-02-6		
Ethylbenzene	ND	ug/kg	3.5	1	10/01/20 09:39	10/01/20 12:54	100-41-4		
Hexachloro-1,3-butadiene	ND	ug/kg	3.5	1	10/01/20 09:39	10/01/20 12:54	87-68-3		
2-Hexanone	ND	ug/kg	14.0	1	10/01/20 09:39	10/01/20 12:54	591-78-6		
Isopropylbenzene (Cumene)	ND	ug/kg	3.5	1	10/01/20 09:39	10/01/20 12:54	98-82-8		
p-Isopropyltoluene	ND	ug/kg	3.5	1	10/01/20 09:39	10/01/20 12:54	99-87-6		
Methylene Chloride	ND	ug/kg	3.5	1	10/01/20 09:39	10/01/20 12:54	75-09-2		
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	7.0	1	10/01/20 09:39	10/01/20 12:54	108-10-1		
Methyl-tert-butyl ether	ND	ug/kg	3.5	1	10/01/20 09:39	10/01/20 12:54	1634-04-4		
Naphthalene	ND	ug/kg	7.0	1	10/01/20 09:39	10/01/20 12:54	91-20-3		
n-Propylbenzene	ND	ug/kg	3.5	1	10/01/20 09:39	10/01/20 12:54	103-65-1		
Styrene	ND	ug/kg	3.5	1	10/01/20 09:39	10/01/20 12:54	100-42-5		
1,1,1,2-Tetrachloroethane	ND	ug/kg	3.5	1	10/01/20 09:39	10/01/20 12:54	630-20-6		
1,1,2,2-Tetrachloroethane	ND	ug/kg	3.5	1	10/01/20 09:39	10/01/20 12:54	79-34-5		
Tetrachloroethene	ND	ug/kg	3.5	1	10/01/20 09:39	10/01/20 12:54	127-18-4		
Toluene	ND	ug/kg	3.5	1	10/01/20 09:39	10/01/20 12:54	108-88-3		
1,2,3-Trichlorobenzene	ND	ug/kg	3.5	1	10/01/20 09:39	10/01/20 12:54	87-61-6		
1,2,4-Trichlorobenzene	ND	ug/kg	3.5	1	10/01/20 09:39	10/01/20 12:54	120-82-1		
1,1,1-Trichloroethane	ND	ug/kg	3.5	1	10/01/20 09:39	10/01/20 12:54	71-55-6		
1,1,2-Trichloroethane	ND	ug/kg	3.5	1	10/01/20 09:39	10/01/20 12:54	79-00-5		
Trichloroethene	ND	ug/kg	3.5	1	10/01/20 09:39	10/01/20 12:54	79-01-6		
Trichlorofluoromethane	ND	ug/kg	3.5	1	10/01/20 09:39	10/01/20 12:54	75-69-4		
1,2,3-Trichloropropane	ND	ug/kg	3.5	1	10/01/20 09:39	10/01/20 12:54	96-18-4		
1,2,4-Trimethylbenzene	ND	ug/kg	3.5	1	10/01/20 09:39	10/01/20 12:54	95-63-6		
1,3,5-Trimethylbenzene	ND	ug/kg	3.5	1	10/01/20 09:39	10/01/20 12:54	108-67-8		
Vinyl chloride	ND	ug/kg	3.5	1	10/01/20 09:39	10/01/20 12:54	75-01-4		
Xylene (Total)	ND	ug/kg	3.5	1	10/01/20 09:39	10/01/20 12:54	1330-20-7		
Surrogates									
Toluene-d8 (S)	100	%	80-120	1	10/01/20 09:39	10/01/20 12:54	2037-26-5		
4-Bromofluorobenzene (S)	95	%	85-115	1	10/01/20 09:39	10/01/20 12:54	460-00-4		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: PINE LAWN

Pace Project No.: 60349444

Sample: DPT-32-SO-(24.5-25.5) **Lab ID:** 60349444006 Collected: 09/24/20 17:48 Received: 09/25/20 04:55 Matrix: Solid

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

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035A VOA								
Analytical Method: EPA 8260B Preparation Method: EPA 5035A/5030								
Pace Analytical Services - Kansas City								
Surrogates								
1,2-Dichloroethane-d4 (S)	111	%	78-118	1	10/01/20 09:39	10/01/20 12:54	17060-07-0	
8260 MSV GRO and Oxygenates								
Analytical Method: EPA 8260 Preparation Method: EPA 5035								
Pace Analytical Services - Kansas City								
TPH-GRO	ND	mg/kg	0.35	1	10/01/20 09:39	10/01/20 12:54		
Surrogates								
Toluene-d8 (S)	100	%	78-122	1	10/01/20 09:39	10/01/20 12:54	2037-26-5	
4-Bromofluorobenzene (S)	95	%	69-133	1	10/01/20 09:39	10/01/20 12:54	460-00-4	
1,2-Dichloroethane-d4 (S)	111	%	80-123	1	10/01/20 09:39	10/01/20 12:54	17060-07-0	
Percent Moisture								
Analytical Method: ASTM D2974								
Pace Analytical Services - Kansas City								
Percent Moisture	12.6	%	0.50	1		09/29/20 14:17		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: PINE LAWN

Pace Project No.: 60349444

Sample: PILE LAWN-SO-TB9 **Lab ID: 60349444007** Collected: 09/24/20 17:54 Received: 09/25/20 04:55 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035A VOA		Analytical Method: EPA 8260B Preparation Method: EPA 5035A/5030 Pace Analytical Services - Kansas City						
Acetone	ND	ug/kg	20.0	1	10/01/20 09:39	10/01/20 13:09	67-64-1	
Benzene	ND	ug/kg	5.0	1	10/01/20 09:39	10/01/20 13:09	71-43-2	
Bromobenzene	ND	ug/kg	5.0	1	10/01/20 09:39	10/01/20 13:09	108-86-1	
Bromochloromethane	ND	ug/kg	5.0	1	10/01/20 09:39	10/01/20 13:09	74-97-5	
Bromodichloromethane	ND	ug/kg	5.0	1	10/01/20 09:39	10/01/20 13:09	75-27-4	
Bromoform	ND	ug/kg	5.0	1	10/01/20 09:39	10/01/20 13:09	75-25-2	
Bromomethane	ND	ug/kg	5.0	1	10/01/20 09:39	10/01/20 13:09	74-83-9	
2-Butanone (MEK)	ND	ug/kg	10.0	1	10/01/20 09:39	10/01/20 13:09	78-93-3	
n-Butylbenzene	ND	ug/kg	5.0	1	10/01/20 09:39	10/01/20 13:09	104-51-8	
sec-Butylbenzene	ND	ug/kg	5.0	1	10/01/20 09:39	10/01/20 13:09	135-98-8	
tert-Butylbenzene	ND	ug/kg	25.0	1	10/01/20 09:39	10/01/20 13:09	98-06-6	
Carbon disulfide	ND	ug/kg	5.0	1	10/01/20 09:39	10/01/20 13:09	75-15-0	
Carbon tetrachloride	ND	ug/kg	5.0	1	10/01/20 09:39	10/01/20 13:09	56-23-5	
Chlorobenzene	ND	ug/kg	5.0	1	10/01/20 09:39	10/01/20 13:09	108-90-7	
Chloroethane	ND	ug/kg	5.0	1	10/01/20 09:39	10/01/20 13:09	75-00-3	
Chloroform	ND	ug/kg	5.0	1	10/01/20 09:39	10/01/20 13:09	67-66-3	
Chloromethane	ND	ug/kg	5.0	1	10/01/20 09:39	10/01/20 13:09	74-87-3	
2-Chlorotoluene	ND	ug/kg	5.0	1	10/01/20 09:39	10/01/20 13:09	95-49-8	
4-Chlorotoluene	ND	ug/kg	5.0	1	10/01/20 09:39	10/01/20 13:09	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/kg	10.0	1	10/01/20 09:39	10/01/20 13:09	96-12-8	
Dibromochloromethane	ND	ug/kg	5.0	1	10/01/20 09:39	10/01/20 13:09	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	5.0	1	10/01/20 09:39	10/01/20 13:09	106-93-4	
Dibromomethane	ND	ug/kg	5.0	1	10/01/20 09:39	10/01/20 13:09	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	5.0	1	10/01/20 09:39	10/01/20 13:09	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	5.0	1	10/01/20 09:39	10/01/20 13:09	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	5.0	1	10/01/20 09:39	10/01/20 13:09	106-46-7	
Dichlorodifluoromethane	ND	ug/kg	5.0	1	10/01/20 09:39	10/01/20 13:09	75-71-8	SS
1,1-Dichloroethane	ND	ug/kg	5.0	1	10/01/20 09:39	10/01/20 13:09	75-34-3	
1,2-Dichloroethane	ND	ug/kg	5.0	1	10/01/20 09:39	10/01/20 13:09	107-06-2	
1,2-Dichloroethene (Total)	ND	ug/kg	5.0	1	10/01/20 09:39	10/01/20 13:09	540-59-0	
1,1-Dichloroethene	ND	ug/kg	5.0	1	10/01/20 09:39	10/01/20 13:09	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	5.0	1	10/01/20 09:39	10/01/20 13:09	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	5.0	1	10/01/20 09:39	10/01/20 13:09	156-60-5	
1,2-Dichloropropane	ND	ug/kg	5.0	1	10/01/20 09:39	10/01/20 13:09	78-87-5	
1,3-Dichloropropane	ND	ug/kg	5.0	1	10/01/20 09:39	10/01/20 13:09	142-28-9	
2,2-Dichloropropane	ND	ug/kg	5.0	1	10/01/20 09:39	10/01/20 13:09	594-20-7	
1,1-Dichloropropene	ND	ug/kg	5.0	1	10/01/20 09:39	10/01/20 13:09	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	5.0	1	10/01/20 09:39	10/01/20 13:09	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	5.0	1	10/01/20 09:39	10/01/20 13:09	10061-02-6	
Ethylbenzene	ND	ug/kg	5.0	1	10/01/20 09:39	10/01/20 13:09	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/kg	5.0	1	10/01/20 09:39	10/01/20 13:09	87-68-3	
2-Hexanone	ND	ug/kg	20.0	1	10/01/20 09:39	10/01/20 13:09	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/kg	5.0	1	10/01/20 09:39	10/01/20 13:09	98-82-8	
p-Isopropyltoluene	ND	ug/kg	5.0	1	10/01/20 09:39	10/01/20 13:09	99-87-6	
Methylene Chloride	ND	ug/kg	5.0	1	10/01/20 09:39	10/01/20 13:09	75-09-2	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: PINE LAWN

Pace Project No.: 60349444

Sample: PILE LAWN-SO-TB9 **Lab ID: 60349444007** Collected: 09/24/20 17:54 Received: 09/25/20 04:55 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035A VOA		Analytical Method: EPA 8260B Preparation Method: EPA 5035A/5030 Pace Analytical Services - Kansas City						
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	10.0	1	10/01/20 09:39	10/01/20 13:09	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	5.0	1	10/01/20 09:39	10/01/20 13:09	1634-04-4	
Naphthalene	ND	ug/kg	10.0	1	10/01/20 09:39	10/01/20 13:09	91-20-3	
n-Propylbenzene	ND	ug/kg	5.0	1	10/01/20 09:39	10/01/20 13:09	103-65-1	
Styrene	ND	ug/kg	5.0	1	10/01/20 09:39	10/01/20 13:09	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	5.0	1	10/01/20 09:39	10/01/20 13:09	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	5.0	1	10/01/20 09:39	10/01/20 13:09	79-34-5	
Tetrachloroethene	ND	ug/kg	5.0	1	10/01/20 09:39	10/01/20 13:09	127-18-4	
Toluene	8.1	ug/kg	5.0	1	10/01/20 09:39	10/01/20 13:09	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	5.0	1	10/01/20 09:39	10/01/20 13:09	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	5.0	1	10/01/20 09:39	10/01/20 13:09	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	5.0	1	10/01/20 09:39	10/01/20 13:09	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	5.0	1	10/01/20 09:39	10/01/20 13:09	79-00-5	
Trichloroethene	ND	ug/kg	5.0	1	10/01/20 09:39	10/01/20 13:09	79-01-6	
Trichlorofluoromethane	ND	ug/kg	5.0	1	10/01/20 09:39	10/01/20 13:09	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	5.0	1	10/01/20 09:39	10/01/20 13:09	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/kg	5.0	1	10/01/20 09:39	10/01/20 13:09	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	5.0	1	10/01/20 09:39	10/01/20 13:09	108-67-8	
Vinyl chloride	ND	ug/kg	5.0	1	10/01/20 09:39	10/01/20 13:09	75-01-4	
Xylene (Total)	ND	ug/kg	5.0	1	10/01/20 09:39	10/01/20 13:09	1330-20-7	
Surrogates								
Toluene-d8 (S)	103	%	80-120	1	10/01/20 09:39	10/01/20 13:09	2037-26-5	
4-Bromofluorobenzene (S)	96	%	85-115	1	10/01/20 09:39	10/01/20 13:09	460-00-4	
1,2-Dichloroethane-d4 (S)	94	%	78-118	1	10/01/20 09:39	10/01/20 13:09	17060-07-0	

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: PINE LAWN
Pace Project No.: 60349444

QC Batch: 680546 Analysis Method: EPA 7471
QC Batch Method: EPA 7471 Analysis Description: 7471 Mercury
Laboratory: Pace Analytical Services - Kansas City
Associated Lab Samples: 60349444001, 60349444002, 60349444003, 60349444004, 60349444005, 60349444006

METHOD BLANK: 2751127 Matrix: Solid
Associated Lab Samples: 60349444001, 60349444002, 60349444003, 60349444004, 60349444005, 60349444006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury	mg/kg	ND	0.050	10/06/20 10:43	

LABORATORY CONTROL SAMPLE: 2751128

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	mg/kg	0.5	0.53	105	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2751129 2751130

Parameter	Units	60349444001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	mg/kg	ND	0.49	0.49	0.51	0.57	104	117	75-125	11	20	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: PINE LAWN
Pace Project No.: 60349444

QC Batch: 680742 Analysis Method: EPA 6010
QC Batch Method: EPA 3050 Analysis Description: 6010 MET
Laboratory: Pace Analytical Services - Kansas City
Associated Lab Samples: 60349444001, 60349444002, 60349444003, 60349444004, 60349444005, 60349444006

METHOD BLANK: 2752177 Matrix: Solid
Associated Lab Samples: 60349444001, 60349444002, 60349444003, 60349444004, 60349444005, 60349444006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Arsenic	mg/kg	ND	1.0	10/07/20 09:51	
Barium	mg/kg	ND	0.50	10/07/20 09:51	
Cadmium	mg/kg	ND	0.50	10/07/20 09:51	
Chromium	mg/kg	ND	0.50	10/07/20 09:51	
Lead	mg/kg	ND	1.0	10/07/20 09:51	
Selenium	mg/kg	ND	1.5	10/07/20 09:51	
Silver	mg/kg	ND	0.70	10/07/20 09:51	

LABORATORY CONTROL SAMPLE: 2752178

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Arsenic	mg/kg	100	101	101	80-120	
Barium	mg/kg	100	102	102	80-120	
Cadmium	mg/kg	100	102	102	80-120	
Chromium	mg/kg	100	105	105	80-120	
Lead	mg/kg	100	106	106	80-120	
Selenium	mg/kg	100	101	101	80-120	
Silver	mg/kg	50	50.1	100	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2752179 2752180

Parameter	Units	60349444001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Arsenic	mg/kg	11.0	89	94.7	80.8	89.7	78	83	75-125	10	20	
Barium	mg/kg	168	89	94.7	283	274	130	113	75-125	3	20	M1
Cadmium	mg/kg	ND	89	94.7	73.2	81.0	82	85	75-125	10	20	
Chromium	mg/kg	26.0	89	94.7	104	116	88	95	75-125	10	20	
Lead	mg/kg	16.4	89	94.7	84.5	91.7	77	79	75-125	8	20	
Selenium	mg/kg	ND	89	94.7	70.5	77.8	79	82	75-125	10	20	
Silver	mg/kg	ND	44.5	47.3	38.6	42.5	86	89	75-125	10	20	

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QUALITY CONTROL DATA

Project: PINE LAWN

Pace Project No.: 60349444

QC Batch: 680121

Analysis Method: EPA 8260B

QC Batch Method: EPA 5035A/5030

Analysis Description: 8260 MSV 5035A Volatile Organics

Laboratory: Pace Analytical Services - Kansas City

Associated Lab Samples: 60349444001, 60349444002, 60349444003, 60349444004, 60349444005, 60349444006, 60349444007

METHOD BLANK: 2749543

Matrix: Solid

Associated Lab Samples: 60349444001, 60349444002, 60349444003, 60349444004, 60349444005, 60349444006, 60349444007

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	ND	5.0	10/01/20 10:01	
1,1,1-Trichloroethane	ug/kg	ND	5.0	10/01/20 10:01	
1,1,2,2-Tetrachloroethane	ug/kg	ND	5.0	10/01/20 10:01	
1,1,2-Trichloroethane	ug/kg	ND	5.0	10/01/20 10:01	
1,1-Dichloroethane	ug/kg	ND	5.0	10/01/20 10:01	
1,1-Dichloroethene	ug/kg	ND	5.0	10/01/20 10:01	
1,1-Dichloropropene	ug/kg	ND	5.0	10/01/20 10:01	
1,2,3-Trichlorobenzene	ug/kg	ND	5.0	10/01/20 10:01	
1,2,3-Trichloropropane	ug/kg	ND	5.0	10/01/20 10:01	
1,2,4-Trichlorobenzene	ug/kg	ND	5.0	10/01/20 10:01	
1,2,4-Trimethylbenzene	ug/kg	ND	5.0	10/01/20 10:01	
1,2-Dibromo-3-chloropropane	ug/kg	ND	10.0	10/01/20 10:01	
1,2-Dibromoethane (EDB)	ug/kg	ND	5.0	10/01/20 10:01	
1,2-Dichlorobenzene	ug/kg	ND	5.0	10/01/20 10:01	
1,2-Dichloroethane	ug/kg	ND	5.0	10/01/20 10:01	
1,2-Dichloroethene (Total)	ug/kg	ND	5.0	10/01/20 10:01	
1,2-Dichloropropane	ug/kg	ND	5.0	10/01/20 10:01	
1,3,5-Trimethylbenzene	ug/kg	ND	5.0	10/01/20 10:01	
1,3-Dichlorobenzene	ug/kg	ND	5.0	10/01/20 10:01	
1,3-Dichloropropane	ug/kg	ND	5.0	10/01/20 10:01	
1,4-Dichlorobenzene	ug/kg	ND	5.0	10/01/20 10:01	
2,2-Dichloropropane	ug/kg	ND	5.0	10/01/20 10:01	
2-Butanone (MEK)	ug/kg	ND	10.0	10/01/20 10:01	
2-Chlorotoluene	ug/kg	ND	5.0	10/01/20 10:01	
2-Hexanone	ug/kg	ND	20.0	10/01/20 10:01	
4-Chlorotoluene	ug/kg	ND	5.0	10/01/20 10:01	
4-Methyl-2-pentanone (MIBK)	ug/kg	ND	10.0	10/01/20 10:01	
Acetone	ug/kg	ND	20.0	10/01/20 10:01	
Benzene	ug/kg	ND	5.0	10/01/20 10:01	
Bromobenzene	ug/kg	ND	5.0	10/01/20 10:01	
Bromochloromethane	ug/kg	ND	5.0	10/01/20 10:01	
Bromodichloromethane	ug/kg	ND	5.0	10/01/20 10:01	
Bromoform	ug/kg	ND	5.0	10/01/20 10:01	
Bromomethane	ug/kg	ND	5.0	10/01/20 10:01	
Carbon disulfide	ug/kg	ND	5.0	10/01/20 10:01	
Carbon tetrachloride	ug/kg	ND	5.0	10/01/20 10:01	
Chlorobenzene	ug/kg	ND	5.0	10/01/20 10:01	
Chloroethane	ug/kg	ND	5.0	10/01/20 10:01	
Chloroform	ug/kg	ND	5.0	10/01/20 10:01	
Chloromethane	ug/kg	ND	5.0	10/01/20 10:01	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: PINE LAWN

Pace Project No.: 60349444

METHOD BLANK: 2749543

Matrix: Solid

Associated Lab Samples: 60349444001, 60349444002, 60349444003, 60349444004, 60349444005, 60349444006, 60349444007

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
cis-1,2-Dichloroethene	ug/kg	ND	5.0	10/01/20 10:01	
cis-1,3-Dichloropropene	ug/kg	ND	5.0	10/01/20 10:01	
Dibromochloromethane	ug/kg	ND	5.0	10/01/20 10:01	
Dibromomethane	ug/kg	ND	5.0	10/01/20 10:01	
Dichlorodifluoromethane	ug/kg	ND	5.0	10/01/20 10:01	
Ethylbenzene	ug/kg	ND	5.0	10/01/20 10:01	
Hexachloro-1,3-butadiene	ug/kg	ND	5.0	10/01/20 10:01	
Isopropylbenzene (Cumene)	ug/kg	ND	5.0	10/01/20 10:01	
Methyl-tert-butyl ether	ug/kg	ND	5.0	10/01/20 10:01	
Methylene Chloride	ug/kg	ND	5.0	10/01/20 10:01	
n-Butylbenzene	ug/kg	ND	5.0	10/01/20 10:01	
n-Propylbenzene	ug/kg	ND	5.0	10/01/20 10:01	
Naphthalene	ug/kg	ND	10.0	10/01/20 10:01	
p-Isopropyltoluene	ug/kg	ND	5.0	10/01/20 10:01	
sec-Butylbenzene	ug/kg	ND	5.0	10/01/20 10:01	
Styrene	ug/kg	ND	5.0	10/01/20 10:01	
tert-Butylbenzene	ug/kg	ND	25.0	10/01/20 10:01	
Tetrachloroethene	ug/kg	ND	5.0	10/01/20 10:01	
Toluene	ug/kg	ND	5.0	10/01/20 10:01	
trans-1,2-Dichloroethene	ug/kg	ND	5.0	10/01/20 10:01	
trans-1,3-Dichloropropene	ug/kg	ND	5.0	10/01/20 10:01	
Trichloroethene	ug/kg	ND	5.0	10/01/20 10:01	
Trichlorofluoromethane	ug/kg	ND	5.0	10/01/20 10:01	
Vinyl chloride	ug/kg	ND	5.0	10/01/20 10:01	
Xylene (Total)	ug/kg	ND	5.0	10/01/20 10:01	
1,2-Dichloroethane-d4 (S)	%	96	78-118	10/01/20 10:01	
4-Bromofluorobenzene (S)	%	97	85-115	10/01/20 10:01	
Toluene-d8 (S)	%	102	80-120	10/01/20 10:01	

LABORATORY CONTROL SAMPLE: 2749544

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	100	101	101	84-125	
1,1,1-Trichloroethane	ug/kg	100	96.2	96	81-121	
1,1,2,2-Tetrachloroethane	ug/kg	100	89.5	90	76-121	
1,1,2-Trichloroethane	ug/kg	100	96.5	96	83-118	
1,1-Dichloroethane	ug/kg	100	101	101	74-120	
1,1-Dichloroethene	ug/kg	100	92.9	93	71-124	
1,1-Dichloropropene	ug/kg	100	84.0	84	73-123	
1,2,3-Trichlorobenzene	ug/kg	100	100	100	81-123	
1,2,3-Trichloropropane	ug/kg	100	94.4	94	81-116	
1,2,4-Trichlorobenzene	ug/kg	100	101	101	79-126	
1,2,4-Trimethylbenzene	ug/kg	100	97.0	97	79-121	
1,2-Dibromo-3-chloropropane	ug/kg	100	91.5	92	74-125	

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QUALITY CONTROL DATA

Project: PINE LAWN

Pace Project No.: 60349444

LABORATORY CONTROL SAMPLE: 2749544

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dibromoethane (EDB)	ug/kg	100	98.6	99	64-137	
1,2-Dichlorobenzene	ug/kg	100	97.5	97	83-119	
1,2-Dichloroethane	ug/kg	100	86.8	87	58-128	
1,2-Dichloroethene (Total)	ug/kg	200	191	95	82-117	
1,2-Dichloropropane	ug/kg	100	91.8	92	77-122	
1,3,5-Trimethylbenzene	ug/kg	100	98.4	98	81-122	
1,3-Dichlorobenzene	ug/kg	100	98.7	99	83-119	
1,3-Dichloropropane	ug/kg	100	94.7	95	83-118	
1,4-Dichlorobenzene	ug/kg	100	92.1	92	83-116	
2,2-Dichloropropane	ug/kg	100	95.8	96	76-124	
2-Butanone (MEK)	ug/kg	500	423	85	63-122	
2-Chlorotoluene	ug/kg	100	95.2	95	79-119	
2-Hexanone	ug/kg	500	443	89	68-122	
4-Chlorotoluene	ug/kg	100	97.3	97	84-119	
4-Methyl-2-pentanone (MIBK)	ug/kg	500	439	88	63-128	
Acetone	ug/kg	500	404	81	55-124	
Benzene	ug/kg	100	90.3	90	67-126	
Bromobenzene	ug/kg	100	97.6	98	85-117	
Bromochloromethane	ug/kg	100	97.8	98	78-122	
Bromodichloromethane	ug/kg	100	96.7	97	82-120	
Bromoform	ug/kg	100	107	107	77-133	
Bromomethane	ug/kg	100	70.6	71	20-168	
Carbon disulfide	ug/kg	100	100	100	60-133	
Carbon tetrachloride	ug/kg	100	104	104	79-128	
Chlorobenzene	ug/kg	100	98.4	98	84-118	
Chloroethane	ug/kg	100	74.9	75	53-139	
Chloroform	ug/kg	100	94.7	95	82-120	
Chloromethane	ug/kg	100	44.0	44	33-143	
cis-1,2-Dichloroethene	ug/kg	100	95.2	95	83-117	
cis-1,3-Dichloropropene	ug/kg	100	94.2	94	80-122	
Dibromochloromethane	ug/kg	100	107	107	82-128	
Dibromomethane	ug/kg	100	93.7	94	82-119	
Dichlorodifluoromethane	ug/kg	100	22.4	22	12-159	
Ethylbenzene	ug/kg	100	97.1	97	69-127	
Hexachloro-1,3-butadiene	ug/kg	100	103	103	77-133	
Isopropylbenzene (Cumene)	ug/kg	100	96.3	96	83-122	
Methyl-tert-butyl ether	ug/kg	100	89.4	89	58-137	
Methylene Chloride	ug/kg	100	88.8	89	68-125	
n-Butylbenzene	ug/kg	100	105	105	73-131	
n-Propylbenzene	ug/kg	100	99.2	99	82-122	
Naphthalene	ug/kg	100	102	102	60-136	
p-Isopropyltoluene	ug/kg	100	91.1	91	74-129	
sec-Butylbenzene	ug/kg	100	107	107	71-133	
Styrene	ug/kg	100	101	101	84-121	
tert-Butylbenzene	ug/kg	100	98.5	98	81-122	
Tetrachloroethene	ug/kg	100	105	105	78-130	
Toluene	ug/kg	100	95.6	96	80-118	

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QUALITY CONTROL DATA

Project: PINE LAWN

Pace Project No.: 60349444

LABORATORY CONTROL SAMPLE: 2749544

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
trans-1,2-Dichloroethene	ug/kg	100	95.6	96	78-118	
trans-1,3-Dichloropropene	ug/kg	100	100	100	81-123	
Trichloroethene	ug/kg	100	98.3	98	78-127	
Trichlorofluoromethane	ug/kg	100	89.8	90	64-133	
Vinyl chloride	ug/kg	100	57.6	58	45-139	
Xylene (Total)	ug/kg	300	290	97	69-130	
1,2-Dichloroethane-d4 (S)	%			94	78-118	
4-Bromofluorobenzene (S)	%			96	85-115	
Toluene-d8 (S)	%			102	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2749545 2749546

Parameter	Units	60349800003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,1,1,2-Tetrachloroethane	ug/kg	ND	124	125	101	97.8	81	78	13-133	3	39	
1,1,1-Trichloroethane	ug/kg	ND	124	125	95.0	98.2	76	79	30-131	3	28	
1,1,2,2-Tetrachloroethane	ug/kg	ND	124	125	90.5	88.0	73	70	10-139	3	49	
1,1,2-Trichloroethane	ug/kg	ND	124	125	100	94.2	81	75	10-145	6	41	
1,1-Dichloroethane	ug/kg	ND	124	125	97.9	102	78	81	24-125	4	31	
1,1-Dichloroethene	ug/kg	ND	124	125	80.8	83.9	65	67	34-118	4	30	
1,1-Dichloropropene	ug/kg	ND	124	125	86.6	89.6	70	72	29-116	3	30	
1,2,3-Trichlorobenzene	ug/kg	ND	124	125	73.7	70.3	59	56	10-115	5	40	
1,2,3-Trichloropropane	ug/kg	ND	124	125	94.9	91.1	76	73	10-150	4	46	
1,2,4-Trichlorobenzene	ug/kg	ND	124	125	76.9	72.6	62	58	10-115	6	44	
1,2,4-Trimethylbenzene	ug/kg	ND	124	125	90.5	87.4	73	70	10-123	3	37	
1,2-Dibromo-3-chloropropane	ug/kg	ND	124	125	87.4	84.6	70	68	10-136	3	42	
1,2-Dibromoethane (EDB)	ug/kg	ND	124	125	101	96.6	81	77	24-149	4	29	
1,2-Dichlorobenzene	ug/kg	ND	124	125	86.2	80.9	69	65	10-123	6	41	
1,2-Dichloroethane	ug/kg	ND	124	125	88.1	84.7	71	68	23-140	4	29	
1,2-Dichloroethene (Total)	ug/kg	ND	248	250	188	187	76	75	30-119	0	32	
1,2-Dichloropropane	ug/kg	ND	124	125	93.6	89.9	75	72	13-132	4	33	
1,3,5-Trimethylbenzene	ug/kg	ND	124	125	92.4	90.9	74	73	10-124	2	40	
1,3-Dichlorobenzene	ug/kg	ND	124	125	89.0	84.0	72	67	10-122	6	42	
1,3-Dichloropropane	ug/kg	ND	124	125	96.9	93.0	78	74	10-135	4	36	
1,4-Dichlorobenzene	ug/kg	ND	124	125	85.1	79.8	68	64	10-120	6	38	
2,2-Dichloropropane	ug/kg	ND	124	125	92.1	94.7	74	76	22-135	3	31	
2-Butanone (MEK)	ug/kg	ND	622	625	435	427	70	68	12-127	2	37	
2-Chlorotoluene	ug/kg	ND	124	125	90.7	87.5	73	70	10-126	4	38	
2-Hexanone	ug/kg	ND	622	625	456	442	73	71	10-135	3	37	
4-Chlorotoluene	ug/kg	ND	124	125	91.5	88.5	74	71	10-129	3	40	
4-Methyl-2-pentanone (MIBK)	ug/kg	ND	622	625	448	434	72	69	10-129	3	36	
Acetone	ug/kg	ND	622	625	415	401	65	63	10-143	3	34	
Benzene	ug/kg	ND	124	125	90.5	90.0	73	72	37-135	1	24	
Bromobenzene	ug/kg	ND	124	125	95.4	89.8	77	72	10-134	6	45	

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QUALITY CONTROL DATA

Project: PINE LAWN

Pace Project No.: 60349444

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2749545 2749546											
Parameter	Units	60349800003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	Max RPD	Qual
Bromochloromethane	ug/kg	ND	124	125	100	95.8	81	77	17-129	5	34
Bromodichloromethane	ug/kg	ND	124	125	99.0	95.2	80	76	12-130	4	33
Bromoform	ug/kg	ND	124	125	104	99.2	84	79	10-135	5	39
Bromomethane	ug/kg	ND	124	125	61.6	59.6	49	47	10-124	3	41
Carbon disulfide	ug/kg	ND	124	125	75.1	77.3	60	62	17-116	3	28
Carbon tetrachloride	ug/kg	ND	124	125	98.8	103	79	83	29-127	5	35
Chlorobenzene	ug/kg	ND	124	125	96.8	95.0	78	76	10-133	2	33
Chloroethane	ug/kg	ND	124	125	62.4	62.9	50	50	25-116	1	33
Chloroform	ug/kg	ND	124	125	96.5	95.3	78	76	20-130	1	30
Chloromethane	ug/kg	ND	124	125	32.2	32.0	26	26	10-113	0	31
cis-1,2-Dichloroethene	ug/kg	ND	124	125	95.2	93.7	76	75	22-126	2	31
cis-1,3-Dichloropropene	ug/kg	ND	124	125	95.5	91.5	77	73	10-125	4	34
Dibromochloromethane	ug/kg	ND	124	125	105	101	84	81	10-138	4	38
Dibromomethane	ug/kg	ND	124	125	98.1	92.8	79	74	13-129	6	38
Dichlorodifluoromethane	ug/kg	ND	124	125	16.1	16.2	13	13	10-114	1	33
Ethylbenzene	ug/kg	ND	124	125	96.1	97.4	77	78	31-142	1	25
Hexachloro-1,3-butadiene	ug/kg	ND	124	125	85.4	85.9	69	69	10-124	1	41
Isopropylbenzene (Cumene)	ug/kg	ND	124	125	96.0	97.6	77	78	17-120	2	34
Methyl-tert-butyl ether	ug/kg	ND	124	125	91.4	86.2	73	69	30-143	6	28
Methylene Chloride	ug/kg	ND	124	125	89.7	85.0	69	65	24-121	5	33
n-Butylbenzene	ug/kg	ND	124	125	91.6	92.2	74	74	10-121	1	36
n-Propylbenzene	ug/kg	ND	124	125	94.3	94.7	76	76	12-125	0	37
Naphthalene	ug/kg	ND	124	125	80.6	78.1	64	62	10-156	3	34
p-Isopropyltoluene	ug/kg	ND	124	125	88.4	87.5	71	70	10-119	1	37
sec-Butylbenzene	ug/kg	ND	124	125	96.8	97.9	78	78	10-127	1	40
Styrene	ug/kg	ND	124	125	95.4	91.0	77	73	10-124	5	37
tert-Butylbenzene	ug/kg	ND	124	125	95.2	94.4	77	76	10-126	1	37
Tetrachloroethene	ug/kg	ND	124	125	104	106	83	85	15-133	2	36
Toluene	ug/kg	ND	124	125	95.8	97.0	77	78	40-137	1	25
trans-1,2-Dichloroethene	ug/kg	ND	124	125	92.8	93.7	75	75	22-129	1	34
trans-1,3-Dichloropropene	ug/kg	ND	124	125	99.8	96.0	80	77	10-130	4	35
Trichloroethene	ug/kg	ND	124	125	98.7	99.7	79	80	19-135	1	34
Trichlorofluoromethane	ug/kg	ND	124	125	74.2	77.8	60	62	16-132	5	28
Vinyl chloride	ug/kg	ND	124	125	42.8	44.0	34	35	14-116	3	28
Xylene (Total)	ug/kg	ND	374	375	285	284	76	76	19-153	1	27
1,2-Dichloroethane-d4 (S)	%						98	99	78-118		
4-Bromofluorobenzene (S)	%						97	96	85-115		
Toluene-d8 (S)	%						103	103	80-120		

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QUALITY CONTROL DATA

Project: PINE LAWN
Pace Project No.: 60349444

QC Batch:	680122	Analysis Method:	EPA 8260
QC Batch Method:	EPA 5035	Analysis Description:	8260 MSV GRO and Oxygenates
		Laboratory:	Pace Analytical Services - Kansas City

Associated Lab Samples: 60349444001, 60349444002, 60349444003, 60349444004, 60349444005, 60349444006

METHOD BLANK: 2749547 Matrix: Solid
Associated Lab Samples: 60349444001, 60349444002, 60349444003, 60349444004, 60349444005, 60349444006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
TPH-GRO	mg/kg	ND	0.50	10/01/20 10:01	
1,2-Dichloroethane-d4 (S)	%	96	80-123	10/01/20 10:01	
4-Bromofluorobenzene (S)	%	97	69-133	10/01/20 10:01	
Toluene-d8 (S)	%	102	78-122	10/01/20 10:01	

LABORATORY CONTROL SAMPLE: 2749548

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
TPH-GRO	mg/kg	4	3.1	79	61-140	
1,2-Dichloroethane-d4 (S)	%			96	80-123	
4-Bromofluorobenzene (S)	%			98	69-133	
Toluene-d8 (S)	%			103	78-122	

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QUALITY CONTROL DATA

Project: PINE LAWN
Pace Project No.: 60349444

QC Batch: 679802 Analysis Method: EPA 8082
QC Batch Method: EPA 3546 Analysis Description: 8082 GCS PCB
Laboratory: Pace Analytical Services - Kansas City
Associated Lab Samples: 60349444001, 60349444002, 60349444003, 60349444004, 60349444005, 60349444006

METHOD BLANK: 2748474 Matrix: Solid
Associated Lab Samples: 60349444001, 60349444002, 60349444003, 60349444004, 60349444005, 60349444006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
PCB-1016 (Aroclor 1016)	ug/kg	ND	31.7	10/02/20 11:45	
PCB-1221 (Aroclor 1221)	ug/kg	ND	31.7	10/02/20 11:45	
PCB-1232 (Aroclor 1232)	ug/kg	ND	31.7	10/02/20 11:45	
PCB-1242 (Aroclor 1242)	ug/kg	ND	31.7	10/02/20 11:45	
PCB-1248 (Aroclor 1248)	ug/kg	ND	31.7	10/02/20 11:45	
PCB-1254 (Aroclor 1254)	ug/kg	ND	31.7	10/02/20 11:45	
PCB-1260 (Aroclor 1260)	ug/kg	ND	31.7	10/02/20 11:45	
Decachlorobiphenyl (S)	%	91	28-143	10/02/20 11:45	

LABORATORY CONTROL SAMPLE: 2748475

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
PCB-1016 (Aroclor 1016)	ug/kg	158	144	91	61-130	
PCB-1260 (Aroclor 1260)	ug/kg	158	150	95	56-128	
Decachlorobiphenyl (S)	%			93	28-143	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2748476 2748477

Parameter	Units	60349351002 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	ND	195	245	169	222	87	91	38-131	27	38	
PCB-1260 (Aroclor 1260)	ug/kg	ND	195	245	177	233	91	95	30-141	27	40	
Decachlorobiphenyl (S)	%						84	91	28-143			

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QUALITY CONTROL DATA

Project: PINE LAWN
Pace Project No.: 60349444

QC Batch: 679541 Analysis Method: EPA 8270
QC Batch Method: EPA 3546 Analysis Description: 8270 Solid MSSV Microwave
Laboratory: Pace Analytical Services - Kansas City
Associated Lab Samples: 60349444001, 60349444002, 60349444003, 60349444004, 60349444005, 60349444006

METHOD BLANK: 2747554 Matrix: Solid
Associated Lab Samples: 60349444001, 60349444002, 60349444003, 60349444004, 60349444005, 60349444006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,2,4-Trichlorobenzene	ug/kg	ND	318	10/06/20 09:10	
1,2-Dichlorobenzene	ug/kg	ND	318	10/06/20 09:10	
1,3-Dichlorobenzene	ug/kg	ND	318	10/06/20 09:10	
1,4-Dichlorobenzene	ug/kg	ND	318	10/06/20 09:10	
2,4,5-Trichlorophenol	ug/kg	ND	318	10/06/20 09:10	
2,4,6-Trichlorophenol	ug/kg	ND	318	10/06/20 09:10	
2,4-Dichlorophenol	ug/kg	ND	318	10/06/20 09:10	
2,4-Dimethylphenol	ug/kg	ND	318	10/06/20 09:10	
2,4-Dinitrophenol	ug/kg	ND	1610	10/06/20 09:10	
2,4-Dinitrotoluene	ug/kg	ND	318	10/06/20 09:10	
2,6-Dinitrotoluene	ug/kg	ND	318	10/06/20 09:10	
2-Chloronaphthalene	ug/kg	ND	318	10/06/20 09:10	
2-Chlorophenol	ug/kg	ND	318	10/06/20 09:10	
2-Methylnaphthalene	ug/kg	ND	318	10/06/20 09:10	
2-Methylphenol(o-Cresol)	ug/kg	ND	318	10/06/20 09:10	
2-Nitroaniline	ug/kg	ND	637	10/06/20 09:10	
2-Nitrophenol	ug/kg	ND	318	10/06/20 09:10	
3&4-Methylphenol(m&p Cresol)	ug/kg	ND	318	10/06/20 09:10	
3,3'-Dichlorobenzidine	ug/kg	ND	637	10/06/20 09:10	
3-Nitroaniline	ug/kg	ND	637	10/06/20 09:10	
4,6-Dinitro-2-methylphenol	ug/kg	ND	1610	10/06/20 09:10	
4-Bromophenylphenyl ether	ug/kg	ND	318	10/06/20 09:10	
4-Chloro-3-methylphenol	ug/kg	ND	637	10/06/20 09:10	
4-Chloroaniline	ug/kg	ND	637	10/06/20 09:10	
4-Chlorophenylphenyl ether	ug/kg	ND	318	10/06/20 09:10	
4-Nitroaniline	ug/kg	ND	637	10/06/20 09:10	
4-Nitrophenol	ug/kg	ND	1610	10/06/20 09:10	
Acenaphthene	ug/kg	ND	318	10/06/20 09:10	
Acenaphthylene	ug/kg	ND	318	10/06/20 09:10	
Anthracene	ug/kg	ND	318	10/06/20 09:10	
Benzo(a)anthracene	ug/kg	ND	318	10/06/20 09:10	
Benzo(a)pyrene	ug/kg	ND	318	10/06/20 09:10	
Benzo(b)fluoranthene	ug/kg	ND	318	10/06/20 09:10	
Benzo(g,h,i)perylene	ug/kg	ND	318	10/06/20 09:10	
Benzo(k)fluoranthene	ug/kg	ND	318	10/06/20 09:10	
Benzoic Acid	ug/kg	ND	1610	10/06/20 09:10	
Benzyl alcohol	ug/kg	ND	637	10/06/20 09:10	
bis(2-Chloroethoxy)methane	ug/kg	ND	318	10/06/20 09:10	
bis(2-Chloroethyl) ether	ug/kg	ND	318	10/06/20 09:10	
bis(2-Chloroisopropyl) ether	ug/kg	ND	318	10/06/20 09:10	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: PINE LAWN

Pace Project No.: 60349444

METHOD BLANK: 2747554

Matrix: Solid

Associated Lab Samples: 60349444001, 60349444002, 60349444003, 60349444004, 60349444005, 60349444006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
bis(2-Ethylhexyl)phthalate	ug/kg	ND	318	10/06/20 09:10	
Butylbenzylphthalate	ug/kg	ND	318	10/06/20 09:10	
Carbazole	ug/kg	ND	318	10/06/20 09:10	
Chrysene	ug/kg	ND	318	10/06/20 09:10	
Di-n-butylphthalate	ug/kg	ND	318	10/06/20 09:10	
Di-n-octylphthalate	ug/kg	ND	318	10/06/20 09:10	
Dibenz(a,h)anthracene	ug/kg	ND	318	10/06/20 09:10	
Dibenzofuran	ug/kg	ND	318	10/06/20 09:10	
Diethylphthalate	ug/kg	ND	318	10/06/20 09:10	
Dimethylphthalate	ug/kg	ND	318	10/06/20 09:10	
Fluoranthene	ug/kg	ND	318	10/06/20 09:10	
Fluorene	ug/kg	ND	318	10/06/20 09:10	
Hexachloro-1,3-butadiene	ug/kg	ND	318	10/06/20 09:10	
Hexachlorobenzene	ug/kg	ND	318	10/06/20 09:10	
Hexachlorocyclopentadiene	ug/kg	ND	318	10/06/20 09:10	
Hexachloroethane	ug/kg	ND	318	10/06/20 09:10	
Indeno(1,2,3-cd)pyrene	ug/kg	ND	318	10/06/20 09:10	
Isophorone	ug/kg	ND	318	10/06/20 09:10	
N-Nitroso-di-n-propylamine	ug/kg	ND	318	10/06/20 09:10	
N-Nitrosodiphenylamine	ug/kg	ND	318	10/06/20 09:10	
Naphthalene	ug/kg	ND	318	10/06/20 09:10	
Nitrobenzene	ug/kg	ND	318	10/06/20 09:10	
Pentachlorophenol	ug/kg	ND	1610	10/06/20 09:10	
Phenanthrene	ug/kg	ND	318	10/06/20 09:10	
Phenol	ug/kg	ND	318	10/06/20 09:10	
Pyrene	ug/kg	ND	318	10/06/20 09:10	
Pyridine	ug/kg	ND	318	10/06/20 09:10	
2,4,6-Tribromophenol (S)	%	67	41-108	10/06/20 09:10	
2-Fluorobiphenyl (S)	%	85	39-136	10/06/20 09:10	
2-Fluorophenol (S)	%	77	43-96	10/06/20 09:10	
Nitrobenzene-d5 (S)	%	67	33-132	10/06/20 09:10	
Phenol-d6 (S)	%	76	43-95	10/06/20 09:10	
Terphenyl-d14 (S)	%	82	29-131	10/06/20 09:10	

LABORATORY CONTROL SAMPLE: 2747555

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2,4-Trichlorobenzene	ug/kg	1650	1280	78	52-104	
1,2-Dichlorobenzene	ug/kg	1650	1230	75	51-99	
1,3-Dichlorobenzene	ug/kg	1650	1230	74	48-102	
1,4-Dichlorobenzene	ug/kg	1650	1240	75	49-101	
2,4,5-Trichlorophenol	ug/kg	1650	1330	81	58-109	
2,4,6-Trichlorophenol	ug/kg	1650	1330	81	56-109	
2,4-Dichlorophenol	ug/kg	1650	1280	78	54-106	

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QUALITY CONTROL DATA

Project: PINE LAWN

Pace Project No.: 60349444

LABORATORY CONTROL SAMPLE: 2747555

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
2,4-Dimethylphenol	ug/kg	1650	1160	71	49-104	
2,4-Dinitrophenol	ug/kg	1650	905J	55	26-119	
2,4-Dinitrotoluene	ug/kg	1650	1090	66	60-109	
2,6-Dinitrotoluene	ug/kg	1650	1150	70	59-109	
2-Chloronaphthalene	ug/kg	1650	1270	77	56-104	
2-Chlorophenol	ug/kg	1650	1280	78	56-98	
2-Methylnaphthalene	ug/kg	1650	1280	78	53-103	
2-Methylphenol(o-Cresol)	ug/kg	1650	1210	74	52-102	
2-Nitroaniline	ug/kg	1650	1070	65	54-113	
2-Nitrophenol	ug/kg	1650	1060	64	51-111	
3&4-Methylphenol(m&p Cresol)	ug/kg	1650	1250	76	52-102	
3,3'-Dichlorobenzidine	ug/kg	1650	814	49	19-126	
3-Nitroaniline	ug/kg	1650	939	57	31-122	
4,6-Dinitro-2-methylphenol	ug/kg	1650	949J	58	37-117	
4-Bromophenylphenyl ether	ug/kg	1650	1310	79	60-106	
4-Chloro-3-methylphenol	ug/kg	1650	1290	78	55-107	
4-Chloroaniline	ug/kg	1650	730	44	10-116	
4-Chlorophenylphenyl ether	ug/kg	1650	1320	80	56-107	
4-Nitroaniline	ug/kg	1650	1150	70	52-113	
4-Nitrophenol	ug/kg	1650	1190J	72	53-114	
Acenaphthene	ug/kg	1650	1320	80	55-105	
Acenaphthylene	ug/kg	1650	1360	82	57-105	
Anthracene	ug/kg	1650	1290	79	59-106	
Benzo(a)anthracene	ug/kg	1650	1280	78	59-109	
Benzo(a)pyrene	ug/kg	1650	1250	76	59-109	
Benzo(b)fluoranthene	ug/kg	1650	1340	81	56-112	
Benzo(g,h,i)perylene	ug/kg	1650	1300	79	57-109	
Benzo(k)fluoranthene	ug/kg	1650	1210	74	57-107	
Benzoic Acid	ug/kg	1650	821J	50	10-96	
Benzyl alcohol	ug/kg	1650	1200	73	56-103	
bis(2-Chloroethoxy)methane	ug/kg	1650	1220	74	52-102	
bis(2-Chloroethyl) ether	ug/kg	1650	1200	73	51-100	
bis(2-Chloroisopropyl) ether	ug/kg	1650	1120	68	47-101	
bis(2-Ethylhexyl)phthalate	ug/kg	1650	1300	79	61-113	
Butylbenzylphthalate	ug/kg	1650	1300	79	62-110	
Carbazole	ug/kg	1650	1300	79	60-106	
Chrysene	ug/kg	1650	1330	81	58-108	
Di-n-butylphthalate	ug/kg	1650	1310	80	61-110	
Di-n-octylphthalate	ug/kg	1650	1330	81	58-114	
Dibenz(a,h)anthracene	ug/kg	1650	1280	78	57-109	
Dibenzofuran	ug/kg	1650	1290	78	56-106	
Diethylphthalate	ug/kg	1650	1270	77	57-107	
Dimethylphthalate	ug/kg	1650	1240	75	55-106	
Fluoranthene	ug/kg	1650	1300	79	60-109	
Fluorene	ug/kg	1650	1290	79	56-107	
Hexachloro-1,3-butadiene	ug/kg	1650	1250	76	50-106	
Hexachlorobenzene	ug/kg	1650	1310	80	56-107	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: PINE LAWN

Pace Project No.: 60349444

LABORATORY CONTROL SAMPLE: 2747555

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Hexachlorocyclopentadiene	ug/kg	1650	1100	67	18-118	
Hexachloroethane	ug/kg	1650	1150	70	49-101	
Indeno(1,2,3-cd)pyrene	ug/kg	1650	1310	80	58-108	
Isophorone	ug/kg	1650	1210	74	53-99	
N-Nitroso-di-n-propylamine	ug/kg	1650	1160	71	50-101	
N-Nitrosodiphenylamine	ug/kg	1650	1300	79	58-107	
Naphthalene	ug/kg	1650	1260	76	51-103	
Nitrobenzene	ug/kg	1650	1100	67	51-104	
Pentachlorophenol	ug/kg	1650	1010J	62	43-123	
Phenanthrene	ug/kg	1650	1310	80	58-106	
Phenol	ug/kg	1650	1240	75	53-101	
Pyrene	ug/kg	1650	1280	78	60-108	
Pyridine	ug/kg	1650	848	52	33-72	
2,4,6-Tribromophenol (S)	%			78	41-108	
2-Fluorobiphenyl (S)	%			79	39-136	
2-Fluorophenol (S)	%			70	43-96	
Nitrobenzene-d5 (S)	%			63	33-132	
Phenol-d6 (S)	%			69	43-95	
Terphenyl-d14 (S)	%			81	29-131	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2747556 2747557

Parameter	Units	60349352005 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,2,4-Trichlorobenzene	ug/kg	ND	1800	1800	1210	1060	67	59	42-102	13	26	
1,2-Dichlorobenzene	ug/kg	ND	1800	1800	1180	1060	66	59	45-96	11	31	
1,3-Dichlorobenzene	ug/kg	ND	1800	1800	1180	1040	66	58	44-95	13	31	
1,4-Dichlorobenzene	ug/kg	ND	1800	1800	1190	1040	66	58	45-95	13	30	
2,4,5-Trichlorophenol	ug/kg	ND	1800	1800	1240	1130	69	63	47-109	10	31	
2,4,6-Trichlorophenol	ug/kg	ND	1800	1800	1160	1020	65	57	14-133	13	31	
2,4-Dichlorophenol	ug/kg	ND	1800	1800	1170	1040	65	57	36-111	12	29	
2,4-Dimethylphenol	ug/kg	ND	1800	1800	995	856	55	47	22-113	15	32	
2,4-Dinitrophenol	ug/kg	ND	1800	1800	651J	694J	36	39	10-116		35	
2,4-Dinitrotoluene	ug/kg	ND	1800	1800	1070	1020	60	56	10-133	5	32	
2,6-Dinitrotoluene	ug/kg	ND	1800	1800	1130	1090	63	60	17-125	4	25	
2-Chloronaphthalene	ug/kg	ND	1800	1800	1200	1100	67	61	47-105	9	28	
2-Chlorophenol	ug/kg	ND	1800	1800	1190	1070	66	59	44-100	11	31	
2-Methylnaphthalene	ug/kg	ND	1800	1800	1210	1080	67	60	43-104	11	28	
2-Methylphenol(o-Cresol)	ug/kg	ND	1800	1800	1100	996	61	55	37-105	10	32	
2-Nitroaniline	ug/kg	ND	1800	1800	1070	1010	60	56	44-117	6	28	
2-Nitrophenol	ug/kg	ND	1800	1800	1120	1020	63	57	10-145	10	30	
3&4-Methylphenol(m&p Cresol)	ug/kg	ND	1800	1800	1120	1010	63	56	35-108	11	30	
3,3'-Dichlorobenzidine	ug/kg	ND	1800	1800	471J	605J	26	34	10-133		39	
3-Nitroaniline	ug/kg	ND	1800	1800	1070	1120	59	62	10-124	4	27	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: PINE LAWN

Pace Project No.: 60349444

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2747556 2747557											
Parameter	Units	60349352005 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	Max RPD	Qual
4,6-Dinitro-2-methylphenol	ug/kg	ND	1800	1800	800J	793J	44	44	10-123	30	
4-Bromophenylphenyl ether	ug/kg	ND	1800	1800	1240	1110	69	62	47-109	11	33
4-Chloro-3-methylphenol	ug/kg	ND	1800	1800	1150	1040	64	58	42-109	10	30
4-Chloroaniline	ug/kg	ND	1800	1800	870	990	48	55	10-94	13	33
4-Chlorophenylphenyl ether	ug/kg	ND	1800	1800	1230	1120	69	62	46-106	9	33
4-Nitroaniline	ug/kg	ND	1800	1800	927	916	52	51	11-126	1	47
4-Nitrophenol	ug/kg	ND	1800	1800	1060J	972J	59	54	18-130		35
Acenaphthene	ug/kg	ND	1800	1800	1240	1130	69	63	44-104	9	23
Acenaphthylene	ug/kg	ND	1800	1800	1270	1170	70	65	47-102	8	29
Anthracene	ug/kg	ND	1800	1800	1200	1100	67	61	39-112	9	30
Benzo(a)anthracene	ug/kg	ND	1800	1800	1190	1090	66	61	10-139	8	32
Benzo(a)pyrene	ug/kg	ND	1800	1800	1200	1070	67	59	12-132	11	33
Benzo(b)fluoranthene	ug/kg	ND	1800	1800	1160	1060	65	59	12-136	9	37
Benzo(g,h,i)perylene	ug/kg	ND	1800	1800	1180	1070	66	59	22-119	10	41
Benzo(k)fluoranthene	ug/kg	ND	1800	1800	1210	1090	67	60	32-113	11	32
Benzoic Acid	ug/kg	ND	1800	1800	614J	406J	34	23	10-101		35
Benzyl alcohol	ug/kg	ND	1800	1800	1180	1060	66	59	46-103	10	31
bis(2-Chloroethoxy)methane	ug/kg	ND	1800	1800	1130	1010	63	56	41-100	11	29
bis(2-Chloroethyl) ether	ug/kg	ND	1800	1800	1160	1040	64	58	46-100	11	32
bis(2-Chloroisopropyl) ether	ug/kg	ND	1800	1800	1050	950	58	53	40-99	10	29
bis(2-Ethylhexyl)phthalate	ug/kg	ND	1800	1800	1200	1110	67	62	24-141	8	33
Butylbenzylphthalate	ug/kg	ND	1800	1800	1220	1090	68	60	41-131	12	33
Carbazole	ug/kg	ND	1800	1800	1140	1030	63	57	41-107	10	30
Chrysene	ug/kg	ND	1800	1800	1220	1110	68	61	10-137	9	31
Di-n-butylphthalate	ug/kg	ND	1800	1800	1210	1090	67	60	41-118	11	31
Di-n-octylphthalate	ug/kg	ND	1800	1800	1260	1140	70	63	40-138	10	29
Dibenz(a,h)anthracene	ug/kg	ND	1800	1800	1180	1060	66	59	23-122	11	35
Dibenzofuran	ug/kg	ND	1800	1800	1210	1110	67	62	49-101	8	28
Diethylphthalate	ug/kg	ND	1800	1800	1210	1100	67	61	42-107	10	31
Dimethylphthalate	ug/kg	ND	1800	1800	1130	1050	63	58	37-108	8	30
Fluoranthene	ug/kg	ND	1800	1800	1220	1100	67	61	10-139	10	32
Fluorene	ug/kg	ND	1800	1800	1210	1140	67	63	43-108	6	32
Hexachloro-1,3-butadiene	ug/kg	ND	1800	1800	1190	1060	66	59	41-104	12	27
Hexachlorobenzene	ug/kg	ND	1800	1800	1200	1100	67	61	46-105	9	31
Hexachlorocyclopentadiene	ug/kg	ND	1800	1800	1060	945	59	52	10-111	12	61
Hexachloroethane	ug/kg	ND	1800	1800	1110	1000	62	56	11-119	10	34
Indeno(1,2,3-cd)pyrene	ug/kg	ND	1800	1800	1190	1060	66	59	21-120	11	38
Isophorone	ug/kg	ND	1800	1800	1130	1010	63	56	44-97	12	28
N-Nitroso-di-n-propylamine	ug/kg	ND	1800	1800	1110	994	62	55	37-108	11	30
N-Nitrosodiphenylamine	ug/kg	ND	1800	1800	1170	1080	65	60	41-108	8	36
Naphthalene	ug/kg	ND	1800	1800	1200	1050	67	58	40-105	13	31
Nitrobenzene	ug/kg	ND	1800	1800	1060	958	59	53	35-106	10	29
Pentachlorophenol	ug/kg	ND	1800	1800	967J	844J	54	47	10-144		35
Phenanthrene	ug/kg	ND	1800	1800	1210	1090	67	60	43-108	11	29
Phenol	ug/kg	ND	1800	1800	1170	1040	65	58	38-102	11	29

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QUALITY CONTROL DATA

Project: PINE LAWN

Pace Project No.: 60349444

MATRIX SPIKE & MATRIX SPIKE DUPLICATE:												
2747556				2747557								
Parameter	Units	60349352005	MS	MSD	MS	MSD	MS	MSD	% Rec	Limits	Max	Qual
		Result	Spike	Spike								
Pyrene	ug/kg	ND	1800	1800	1200	1090	67	60	10-147	10	38	
Pyridine	ug/kg	ND	1800	1800	782	676	43	37	10-79	15	35	
2,4,6-Tribromophenol (S)	%						65	59	41-108			
2-Fluorobiphenyl (S)	%						68	62	39-136			
2-Fluorophenol (S)	%						61	53	43-96			
Nitrobenzene-d5 (S)	%						57	52	33-132			
Phenol-d6 (S)	%						60	53	43-95			
Terphenyl-d14 (S)	%						71	63	29-131			

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QUALITY CONTROL DATA

Project: PINE LAWN
Pace Project No.: 60349444

QC Batch: 679544 Analysis Method: EPA 8270
QC Batch Method: EPA 3546 Analysis Description: 8270 MSSV TPH ORO
Laboratory: Pace Analytical Services - Kansas City
Associated Lab Samples: 60349444001, 60349444002, 60349444003, 60349444004, 60349444005

METHOD BLANK: 2747562 Matrix: Solid
Associated Lab Samples: 60349444001, 60349444002, 60349444003, 60349444004, 60349444005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
TPH-DRO	mg/kg	ND	14.3	10/05/20 12:13	
TPH-ORO	mg/kg	ND	14.3	10/05/20 12:13	
2-Fluorobiphenyl (S)	%	91	39-136	10/05/20 12:13	
Nitrobenzene-d5 (S)	%	84	33-132	10/05/20 12:13	
Terphenyl-d14 (S)	%	100	29-131	10/05/20 12:13	

LABORATORY CONTROL SAMPLE: 2747563

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
TPH-DRO	mg/kg	321	271	84	39-122	
2-Fluorobiphenyl (S)	%			90	39-136	
Nitrobenzene-d5 (S)	%			87	33-132	
Terphenyl-d14 (S)	%			100	29-131	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2747564 2747565

Parameter	Units	60349310001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
TPH-DRO	mg/kg	ND	381	386	301	342	79	89	12-137	13	38	
2-Fluorobiphenyl (S)	%						84	93	39-136			
Nitrobenzene-d5 (S)	%						82	91	33-132			
Terphenyl-d14 (S)	%						92	100	29-131			

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: PINE LAWN

Pace Project No.: 60349444

QC Batch: 680409

Analysis Method: EPA 8270

QC Batch Method: EPA 3546

Analysis Description: 8270 MSSV TPH ORO

Laboratory: Pace Analytical Services - Kansas City

Associated Lab Samples: 60349444006

METHOD BLANK: 2750615

Matrix: Solid

Associated Lab Samples: 60349444006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
TPH-DRO	mg/kg	ND	15.0	10/07/20 21:07	
TPH-ORO	mg/kg	ND	15.0	10/07/20 21:07	
2-Fluorobiphenyl (S)	%	82	39-136	10/07/20 21:07	
Nitrobenzene-d5 (S)	%	76	33-132	10/07/20 21:07	
Terphenyl-d14 (S)	%	88	29-131	10/07/20 21:07	

LABORATORY CONTROL SAMPLE: 2750616

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
TPH-DRO	mg/kg	321	258	80	39-122	
2-Fluorobiphenyl (S)	%			88	39-136	
Nitrobenzene-d5 (S)	%			86	33-132	
Terphenyl-d14 (S)	%			95	29-131	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2750617 2750618

Parameter	Units	60349444006 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
TPH-DRO	mg/kg	ND	376	365	266	263	71	72	12-137	1	38	
2-Fluorobiphenyl (S)	%						71	74	39-136			
Nitrobenzene-d5 (S)	%						69	72	33-132			
Terphenyl-d14 (S)	%						73	78	29-131			

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.

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QUALITY CONTROL DATA

Project: PINE LAWN

Pace Project No.: 60349444

QC Batch: 679595

Analysis Method: ASTM D2974

QC Batch Method: ASTM D2974

Analysis Description: Dry Weight/Percent Moisture

Laboratory: Pace Analytical Services - Kansas City

Associated Lab Samples: 60349444001, 60349444002, 60349444003, 60349444004, 60349444005, 60349444006

METHOD BLANK: 2747795

Matrix: Solid

Associated Lab Samples: 60349444001, 60349444002, 60349444003, 60349444004, 60349444005, 60349444006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Percent Moisture	%	ND	0.50	09/29/20 14:17	

SAMPLE DUPLICATE: 2747796

Parameter	Units	60349444001 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	16.2	16.7	3	20	

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

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QUALIFIERS

Project: PINE LAWN

Pace Project No.: 60349444

DEFINITIONS

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

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

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

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

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

S - Surrogate

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

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

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

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

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

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

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

M1	Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.
P3	Sample extract could not be concentrated to the routine final volume, resulting in elevated reporting limits.
SS	This analyte did not meet the secondary source verification criteria for the initial calibration. The reported result should be considered an estimated value.

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: PINE LAWN

Pace Project No.: 60349444

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
60349444001	DPT-30-SO-(0-3)	EPA 3546	679802	EPA 8082	680480
60349444002	DPT-30-SO-(29-30)	EPA 3546	679802	EPA 8082	680480
60349444003	DPT-31-SO-(0-3)	EPA 3546	679802	EPA 8082	680480
60349444004	DPT-31-SO-(29-30)	EPA 3546	679802	EPA 8082	680480
60349444005	DPT-32-SO-(0-3)	EPA 3546	679802	EPA 8082	680480
60349444006	DPT-32-SO-(24.5-25.5)	EPA 3546	679802	EPA 8082	680480
60349444001	DPT-30-SO-(0-3)	EPA 3050	680742	EPA 6010	681110
60349444002	DPT-30-SO-(29-30)	EPA 3050	680742	EPA 6010	681110
60349444003	DPT-31-SO-(0-3)	EPA 3050	680742	EPA 6010	681110
60349444004	DPT-31-SO-(29-30)	EPA 3050	680742	EPA 6010	681110
60349444005	DPT-32-SO-(0-3)	EPA 3050	680742	EPA 6010	681110
60349444006	DPT-32-SO-(24.5-25.5)	EPA 3050	680742	EPA 6010	681110
60349444001	DPT-30-SO-(0-3)	EPA 7471	680546	EPA 7471	680822
60349444002	DPT-30-SO-(29-30)	EPA 7471	680546	EPA 7471	680822
60349444003	DPT-31-SO-(0-3)	EPA 7471	680546	EPA 7471	680822
60349444004	DPT-31-SO-(29-30)	EPA 7471	680546	EPA 7471	680822
60349444005	DPT-32-SO-(0-3)	EPA 7471	680546	EPA 7471	680822
60349444006	DPT-32-SO-(24.5-25.5)	EPA 7471	680546	EPA 7471	680822
60349444001	DPT-30-SO-(0-3)	EPA 3546	679541	EPA 8270	680630
60349444002	DPT-30-SO-(29-30)	EPA 3546	679541	EPA 8270	680630
60349444003	DPT-31-SO-(0-3)	EPA 3546	679541	EPA 8270	680630
60349444004	DPT-31-SO-(29-30)	EPA 3546	679541	EPA 8270	680630
60349444005	DPT-32-SO-(0-3)	EPA 3546	679541	EPA 8270	680630
60349444006	DPT-32-SO-(24.5-25.5)	EPA 3546	679541	EPA 8270	680630
60349444001	DPT-30-SO-(0-3)	EPA 3546	679544	EPA 8270	680716
60349444002	DPT-30-SO-(29-30)	EPA 3546	679544	EPA 8270	680716
60349444003	DPT-31-SO-(0-3)	EPA 3546	679544	EPA 8270	680716
60349444004	DPT-31-SO-(29-30)	EPA 3546	679544	EPA 8270	680716
60349444005	DPT-32-SO-(0-3)	EPA 3546	679544	EPA 8270	680716
60349444006	DPT-32-SO-(24.5-25.5)	EPA 3546	680409	EPA 8270	681072
60349444001	DPT-30-SO-(0-3)	EPA 5035A/5030	680121	EPA 8260B	680210
60349444002	DPT-30-SO-(29-30)	EPA 5035A/5030	680121	EPA 8260B	680210
60349444003	DPT-31-SO-(0-3)	EPA 5035A/5030	680121	EPA 8260B	680210
60349444004	DPT-31-SO-(29-30)	EPA 5035A/5030	680121	EPA 8260B	680210
60349444005	DPT-32-SO-(0-3)	EPA 5035A/5030	680121	EPA 8260B	680210
60349444006	DPT-32-SO-(24.5-25.5)	EPA 5035A/5030	680121	EPA 8260B	680210
60349444007	PILE LAWN-SO-TB9	EPA 5035A/5030	680121	EPA 8260B	680210
60349444001	DPT-30-SO-(0-3)	EPA 5035	680122	EPA 8260	680212
60349444002	DPT-30-SO-(29-30)	EPA 5035	680122	EPA 8260	680212
60349444003	DPT-31-SO-(0-3)	EPA 5035	680122	EPA 8260	680212
60349444004	DPT-31-SO-(29-30)	EPA 5035	680122	EPA 8260	680212
60349444005	DPT-32-SO-(0-3)	EPA 5035	680122	EPA 8260	680212
60349444006	DPT-32-SO-(24.5-25.5)	EPA 5035	680122	EPA 8260	680212
60349444001	DPT-30-SO-(0-3)	ASTM D2974	679595		
60349444002	DPT-30-SO-(29-30)	ASTM D2974	679595		

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: PINE LAWN

Pace Project No.: 60349444

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
60349444003	DPT-31-SO-(0-3)	ASTM D2974	679595		
60349444004	DPT-31-SO-(29-30)	ASTM D2974	679595		
60349444005	DPT-32-SO-(0-3)	ASTM D2974	679595		
60349444006	DPT-32-SO-(24.5-25.5)	ASTM D2974	679595		

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Sample Condition Upon Receipt

WO#: 60349444



Client Name: Tetra Tech Emi

Courier: FedEx ☐ UPS ☐ VIA ☐ Clay ☐ PEX ☐ ECI ☐ Pace ☐ Xroads ☒ Client ☐ Other ☐

Tracking #: _____ Pace Shipping Label Used? Yes ☐ No ☒

Custody Seal on Cooler/Box Present: Yes ☒ No ☐ Seals intact: Yes ☒ No ☐

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

Thermometer Used: T-299 Type of Ice: Wet Blue ☐ None ☐

Cooler Temperature (°C): As-read 1.7 Corr. Factor + .2 Corrected 1.9

Date and initials of person examining contents: 9/25/20 SC

Temperature should be above freezing to 6°C

Chain of Custody present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Chain of Custody relinquished:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Samples arrived within holding time:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Short Hold Time analyses (<72hr):	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	
Rush Turn Around Time requested:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	
Sufficient volume:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Correct containers used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Pace containers used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Containers intact:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Unpreserved 5035A / TX1005/1006 soils frozen in 48hrs?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
Filtered volume received for dissolved tests?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
Sample labels match COC: Date / time / ID / analyses	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Samples contain multiple phases? Matrix:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	
Containers requiring pH preservation in compliance? (HNO ₃ , H ₂ SO ₄ , HCl<2; NaOH>9 Sulfide, NaOH>10 Cyanide) (Exceptions: VOA, Micro, O&G, KS TPH, OK-DRO) LOT#	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	List sample IDs, volumes, lot #'s of preservative and the date/time added.
Cyanide water sample checks:		
Lead acetate strip turns dark? (Record only)	<input type="checkbox"/> Yes <input type="checkbox"/> No	
Potassium iodide test strip turns blue/purple? (Preserve)	<input type="checkbox"/> Yes <input type="checkbox"/> No	
Trip Blank present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	<u>Rec'd 2 Soil trip blanks</u>
Headspace in VOA vials (>6mm):	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
Samples from USDA Regulated Area: State: <u>MO</u>	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	
Additional labels attached to 5035A / TX1005 vials in the field?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	

Client Notification/ Resolution: Copy COC to Client? Y / N Field Data Required? Y / N

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

Project Manager Review:

Jeffrey Shopper

Date: _____

CHAIN-OF-CUSTODY / Analytical Request Document

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

[illegible]

October 09, 2020

Kaitlyn Mitchell
Tetra Tech EMI
415 Oak
Kansas City, MO 64106

RE: Project: PINE LAWN
Pace Project No.: 60349454

Dear Kaitlyn Mitchell:

Enclosed are the analytical results for sample(s) received by the laboratory on September 25, 2020. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

- Pace Analytical Services - Kansas City

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

Sincerely,



Jeffrey Shopper
jeff.shopper@pacelabs.com
1(913)563-1408
Project Manager

Enclosures



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: PINE LAWN

Pace Project No.: 60349454

Pace Analytical Services Kansas

9608 Loiret Boulevard, Lenexa, KS 66219

Missouri Inorganic Drinking Water Certification #: 10090

Arkansas Drinking Water

Arkansas Certification #: 20-020-0

Arkansas Drinking Water

Illinois Certification #: 200030

Iowa Certification #: 118

Kansas/NELAP Certification #: E-10116

Louisiana Certification #: 03055

Nevada Certification #: KS000212020-2

Oklahoma Certification #: 9205/9935

Florida: Cert E871149 SEKS WET

Texas Certification #: T104704407-19-12

Utah Certification #: KS000212019-9

Illinois Certification #: 004592

Kansas Field Laboratory Accreditation: # E-92587

Missouri SEKS Micro Certification: 10070

REPORT OF LABORATORY ANALYSIS

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SAMPLE SUMMARY

Project: PINE LAWN

Pace Project No.: 60349454

Lab ID	Sample ID	Matrix	Date Collected	Date Received
60349454001	DPT-22-SO-(0-3)	Solid	09/24/20 07:40	09/25/20 04:55
60349454002	DPT-22-SO-(17-18)	Solid	09/24/20 07:59	09/25/20 04:55
60349454003	PINE LAWN - FB4	Water	09/24/20 08:29	09/25/20 04:55
60349454004	PINE LAWN - SO - TB8	Solid	09/24/20 08:30	09/25/20 04:55
60349454005	DPT-23-SO-(24-25)	Solid	09/24/20 09:44	09/25/20 04:55
60349454006	DPT-24-SO-(24-25)	Solid	09/24/20 10:35	09/25/20 04:55
60349454007	DPT-25-SO-(24-25)	Solid	09/24/20 12:56	09/25/20 04:55

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SAMPLE ANALYTE COUNT

Project: PINE LAWN

Pace Project No.: 60349454

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
60349454001	DPT-22-SO-(0-3)	EPA 8082	AJB1	8	PASI-K
		EPA 6010	TDS	7	PASI-K
		EPA 7471	MRV	1	PASI-K
		EPA 8270	JMT	73	PASI-K
		EPA 8270	NAW	5	PASI-K
		EPA 8260B	RAD	68	PASI-K
		EPA 8260	RAD	4	PASI-K
		ASTM D2974	DWC	1	PASI-K
60349454002	DPT-22-SO-(17-18)	EPA 8082	AJB1	8	PASI-K
		EPA 6010	TDS	7	PASI-K
		EPA 7471	MRV	1	PASI-K
		EPA 8270	JMT	73	PASI-K
		EPA 8270	NAW	5	PASI-K
		EPA 8260B	RAD	68	PASI-K
		EPA 5035A/8260	RAD	4	PASI-K
		ASTM D2974	DWC	1	PASI-K
60349454003	PINE LAWN - FB4	EPA 8082	AJB1	8	PASI-K
		EPA 6010	TDS	7	PASI-K
		EPA 6010	TDS	7	PASI-K
		EPA 7470	MRV	1	PASI-K
		EPA 7470	MRV	1	PASI-K
		EPA 8270	NAW	5	PASI-K
		EPA 8270	JMT	73	PASI-K
		EPA 5030B/8260	CJC	69	PASI-K
60349454004	PINE LAWN - SO - TB8	EPA 8260	KJM	5	PASI-K
60349454004	PINE LAWN - SO - TB8	EPA 8260B	RAD	68	PASI-K
60349454005	DPT-23-SO-(24-25)	EPA 8082	AJB1	8	PASI-K
		EPA 6010	TDS	7	PASI-K
		EPA 7471	MRV	1	PASI-K
		EPA 8270	JMT	73	PASI-K
		EPA 8270	NAW	5	PASI-K
		EPA 8260B	RAD	68	PASI-K
		EPA 8260	RAD	4	PASI-K
		ASTM D2974	DWC	1	PASI-K
60349454006	DPT-24-SO-(24-25)	EPA 8082	AJB1	9	PASI-K
		EPA 6010	TDS	7	PASI-K
		EPA 7471	MRV	1	PASI-K

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SAMPLE ANALYTE COUNT

Project: PINE LAWN

Pace Project No.: 60349454

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
60349454007	DPT-25-SO-(24-25)	EPA 8270	JMT	73	PASI-K
		EPA 8270	NAW	5	PASI-K
		EPA 8260B	RAD	68	PASI-K
		EPA 8260	RAD	4	PASI-K
		ASTM D2974	DWC	1	PASI-K
		EPA 8082	AJB1	8	PASI-K
		EPA 6010	TDS	7	PASI-K
		EPA 7471	MRV	1	PASI-K
		EPA 8270	JMT	73	PASI-K
		EPA 8270	NAW	5	PASI-K
		EPA 8260B	RAD	68	PASI-K
		EPA 8260	RAD	4	PASI-K
		ASTM D2974	DWC	1	PASI-K

PASI-K = Pace Analytical Services - Kansas City

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: PINE LAWN

Pace Project No.: 60349454

Sample: DPT-22-SO-(0-3) **Lab ID:** 60349454001 **Collected:** 09/24/20 07:40 **Received:** 09/25/20 04:55 **Matrix:** Solid

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

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8082 GCS PCB SW								
Analytical Method: EPA 8082 Preparation Method: EPA 3546								
Pace Analytical Services - Kansas City								
PCB-1016 (Aroclor 1016)	ND	ug/kg	46.8	1	09/30/20 15:02	10/02/20 19:48	12674-11-2	
PCB-1221 (Aroclor 1221)	ND	ug/kg	46.8	1	09/30/20 15:02	10/02/20 19:48	11104-28-2	
PCB-1232 (Aroclor 1232)	ND	ug/kg	46.8	1	09/30/20 15:02	10/02/20 19:48	11141-16-5	
PCB-1242 (Aroclor 1242)	ND	ug/kg	46.8	1	09/30/20 15:02	10/02/20 19:48	53469-21-9	
PCB-1248 (Aroclor 1248)	ND	ug/kg	46.8	1	09/30/20 15:02	10/02/20 19:48	12672-29-6	
PCB-1254 (Aroclor 1254)	ND	ug/kg	46.8	1	09/30/20 15:02	10/02/20 19:48	11097-69-1	
PCB-1260 (Aroclor 1260)	ND	ug/kg	46.8	1	09/30/20 15:02	10/02/20 19:48	11096-82-5	
Surrogates								
Decachlorobiphenyl (S)	82	%	28-143	1	09/30/20 15:02	10/02/20 19:48	2051-24-3	
6010 MET ICP Red. Interference								
Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Pace Analytical Services - Kansas City								
Arsenic	4.5	mg/kg	0.96	1	10/05/20 14:38	10/07/20 10:30	7440-38-2	
Barium	113	mg/kg	0.48	1	10/05/20 14:38	10/07/20 10:30	7440-39-3	
Cadmium	ND	mg/kg	0.48	1	10/05/20 14:38	10/07/20 10:30	7440-43-9	
Chromium	11.2	mg/kg	0.48	1	10/05/20 14:38	10/07/20 10:30	7440-47-3	
Lead	36.8	mg/kg	0.96	1	10/05/20 14:38	10/07/20 10:30	7439-92-1	
Selenium	ND	mg/kg	1.4	1	10/05/20 14:38	10/07/20 10:30	7782-49-2	
Silver	ND	mg/kg	0.67	1	10/05/20 14:38	10/07/20 10:30	7440-22-4	
7471 Mercury								
Analytical Method: EPA 7471 Preparation Method: EPA 7471								
Pace Analytical Services - Kansas City								
Mercury	0.13	mg/kg	0.040	1	10/05/20 10:25	10/06/20 11:10	7439-97-6	
8270 MSSV Semivolatiles								
Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Pace Analytical Services - Kansas City								
Acenaphthene	ND	ug/kg	1710	1	09/30/20 12:08	10/08/20 21:27	83-32-9	
Acenaphthylene	ND	ug/kg	1710	1	09/30/20 12:08	10/08/20 21:27	208-96-8	
Anthracene	ND	ug/kg	1710	1	09/30/20 12:08	10/08/20 21:27	120-12-7	
Benzo(a)anthracene	ND	ug/kg	1710	1	09/30/20 12:08	10/08/20 21:27	56-55-3	
Benzo(a)pyrene	ND	ug/kg	1710	1	09/30/20 12:08	10/08/20 21:27	50-32-8	
Benzo(b)fluoranthene	ND	ug/kg	1710	1	09/30/20 12:08	10/08/20 21:27	205-99-2	
Benzo(g,h,i)perylene	ND	ug/kg	1710	1	09/30/20 12:08	10/08/20 21:27	191-24-2	
Benzo(k)fluoranthene	ND	ug/kg	1710	1	09/30/20 12:08	10/08/20 21:27	207-08-9	
Benzoic Acid	ND	ug/kg	8660	1	09/30/20 12:08	10/08/20 21:27	65-85-0	
Benzyl alcohol	ND	ug/kg	3420	1	09/30/20 12:08	10/08/20 21:27	100-51-6	
4-Bromophenylphenyl ether	ND	ug/kg	1710	1	09/30/20 12:08	10/08/20 21:27	101-55-3	
Butylbenzylphthalate	ND	ug/kg	1710	1	09/30/20 12:08	10/08/20 21:27	85-68-7	
Carbazole	ND	ug/kg	1710	1	09/30/20 12:08	10/08/20 21:27	86-74-8	
4-Chloro-3-methylphenol	ND	ug/kg	3420	1	09/30/20 12:08	10/08/20 21:27	59-50-7	
4-Chloroaniline	ND	ug/kg	3420	1	09/30/20 12:08	10/08/20 21:27	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/kg	1710	1	09/30/20 12:08	10/08/20 21:27	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/kg	1710	1	09/30/20 12:08	10/08/20 21:27	111-44-4	
bis(2-Chloroisopropyl) ether	ND	ug/kg	1710	1	09/30/20 12:08	10/08/20 21:27	108-60-1	
2-Chloronaphthalene	ND	ug/kg	1710	1	09/30/20 12:08	10/08/20 21:27	91-58-7	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: PINE LAWN

Pace Project No.: 60349454

Sample: DPT-22-SO-(0-3) Lab ID: 60349454001 Collected: 09/24/20 07:40 Received: 09/25/20 04:55 Matrix: Solid

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

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Semivolatiles		Analytical Method: EPA 8270 Preparation Method: EPA 3546 Pace Analytical Services - Kansas City						
2-Chlorophenol	ND	ug/kg	1710	1	09/30/20 12:08	10/08/20 21:27	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/kg	1710	1	09/30/20 12:08	10/08/20 21:27	7005-72-3	
Chrysene	ND	ug/kg	1710	1	09/30/20 12:08	10/08/20 21:27	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	1710	1	09/30/20 12:08	10/08/20 21:27	53-70-3	
Dibenzofuran	ND	ug/kg	1710	1	09/30/20 12:08	10/08/20 21:27	132-64-9	
1,2-Dichlorobenzene	ND	ug/kg	1710	1	09/30/20 12:08	10/08/20 21:27	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	1710	1	09/30/20 12:08	10/08/20 21:27	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	1710	1	09/30/20 12:08	10/08/20 21:27	106-46-7	
3,3'-Dichlorobenzidine	ND	ug/kg	3420	1	09/30/20 12:08	10/08/20 21:27	91-94-1	
2,4-Dichlorophenol	ND	ug/kg	1710	1	09/30/20 12:08	10/08/20 21:27	120-83-2	
Diethylphthalate	ND	ug/kg	1710	1	09/30/20 12:08	10/08/20 21:27	84-66-2	
2,4-Dimethylphenol	ND	ug/kg	1710	1	09/30/20 12:08	10/08/20 21:27	105-67-9	
Dimethylphthalate	ND	ug/kg	1710	1	09/30/20 12:08	10/08/20 21:27	131-11-3	
Di-n-butylphthalate	ND	ug/kg	1710	1	09/30/20 12:08	10/08/20 21:27	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/kg	8660	1	09/30/20 12:08	10/08/20 21:27	534-52-1	
2,4-Dinitrophenol	ND	ug/kg	8660	1	09/30/20 12:08	10/08/20 21:27	51-28-5	
2,4-Dinitrotoluene	ND	ug/kg	1710	1	09/30/20 12:08	10/08/20 21:27	121-14-2	
2,6-Dinitrotoluene	ND	ug/kg	1710	1	09/30/20 12:08	10/08/20 21:27	606-20-2	
Di-n-octylphthalate	ND	ug/kg	1710	1	09/30/20 12:08	10/08/20 21:27	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/kg	1710	1	09/30/20 12:08	10/08/20 21:27	117-81-7	
Fluoranthene	1770	ug/kg	1710	1	09/30/20 12:08	10/08/20 21:27	206-44-0	
Fluorene	ND	ug/kg	1710	1	09/30/20 12:08	10/08/20 21:27	86-73-7	
Hexachloro-1,3-butadiene	ND	ug/kg	1710	1	09/30/20 12:08	10/08/20 21:27	87-68-3	
Hexachlorobenzene	ND	ug/kg	1710	1	09/30/20 12:08	10/08/20 21:27	118-74-1	
Hexachlorocyclopentadiene	ND	ug/kg	1710	1	09/30/20 12:08	10/08/20 21:27	77-47-4	
Hexachloroethane	ND	ug/kg	1710	1	09/30/20 12:08	10/08/20 21:27	67-72-1	
Indeno(1,2,3-cd)pyrene	ND	ug/kg	1710	1	09/30/20 12:08	10/08/20 21:27	193-39-5	
Isophorone	ND	ug/kg	1710	1	09/30/20 12:08	10/08/20 21:27	78-59-1	
2-Methylnaphthalene	ND	ug/kg	1710	1	09/30/20 12:08	10/08/20 21:27	91-57-6	
2-Methylphenol(o-Cresol)	ND	ug/kg	1710	1	09/30/20 12:08	10/08/20 21:27	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/kg	1710	1	09/30/20 12:08	10/08/20 21:27	15831-10-4	
Naphthalene	ND	ug/kg	1710	1	09/30/20 12:08	10/08/20 21:27	91-20-3	
2-Nitroaniline	ND	ug/kg	3420	1	09/30/20 12:08	10/08/20 21:27	88-74-4	
3-Nitroaniline	ND	ug/kg	3420	1	09/30/20 12:08	10/08/20 21:27	99-09-2	
4-Nitroaniline	ND	ug/kg	3420	1	09/30/20 12:08	10/08/20 21:27	100-01-6	
Nitrobenzene	ND	ug/kg	1710	1	09/30/20 12:08	10/08/20 21:27	98-95-3	
2-Nitrophenol	ND	ug/kg	1710	1	09/30/20 12:08	10/08/20 21:27	88-75-5	
4-Nitrophenol	ND	ug/kg	8660	1	09/30/20 12:08	10/08/20 21:27	100-02-7	
N-Nitroso-di-n-propylamine	ND	ug/kg	1710	1	09/30/20 12:08	10/08/20 21:27	621-64-7	
N-Nitrosodiphenylamine	ND	ug/kg	1710	1	09/30/20 12:08	10/08/20 21:27	86-30-6	
Pentachlorophenol	ND	ug/kg	8660	1	09/30/20 12:08	10/08/20 21:27	87-86-5	
Phenanthrene	ND	ug/kg	1710	1	09/30/20 12:08	10/08/20 21:27	85-01-8	
Phenol	ND	ug/kg	1710	1	09/30/20 12:08	10/08/20 21:27	108-95-2	
Pyrene	ND	ug/kg	1710	1	09/30/20 12:08	10/08/20 21:27	129-00-0	
Pyridine	ND	ug/kg	1710	1	09/30/20 12:08	10/08/20 21:27	110-86-1	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: PINE LAWN

Pace Project No.: 60349454

Sample: DPT-22-SO-(0-3) **Lab ID:** 60349454001 **Collected:** 09/24/20 07:40 **Received:** 09/25/20 04:55 **Matrix:** Solid

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

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
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8270 MSSV Semivolatiles

Analytical Method: EPA 8270 Preparation Method: EPA 3546

Pace Analytical Services - Kansas City

1,2,4-Trichlorobenzene	ND	ug/kg	1710	1	09/30/20 12:08	10/08/20 21:27	120-82-1	
2,4,5-Trichlorophenol	ND	ug/kg	1710	1	09/30/20 12:08	10/08/20 21:27	95-95-4	
2,4,6-Trichlorophenol	ND	ug/kg	1710	1	09/30/20 12:08	10/08/20 21:27	88-06-2	
Surrogates								
Nitrobenzene-d5 (S)	81	%	33-132	1	09/30/20 12:08	10/08/20 21:27	4165-60-0	P3
2-Fluorobiphenyl (S)	86	%	39-136	1	09/30/20 12:08	10/08/20 21:27	321-60-8	
Terphenyl-d14 (S)	94	%	29-131	1	09/30/20 12:08	10/08/20 21:27	1718-51-0	
Phenol-d6 (S)	81	%	43-95	1	09/30/20 12:08	10/08/20 21:27	13127-88-3	
2-Fluorophenol (S)	78	%	43-96	1	09/30/20 12:08	10/08/20 21:27	367-12-4	
2,4,6-Tribromophenol (S)	73	%	41-108	1	09/30/20 12:08	10/08/20 21:27	118-79-6	

8270 MSSV DRO/ORO

Analytical Method: EPA 8270 Preparation Method: EPA 3546

Pace Analytical Services - Kansas City

TPH-ORO	ND	mg/kg	139	1	10/02/20 15:13	10/07/20 21:46		
TPH-DRO	ND	mg/kg	139	1	10/02/20 15:13	10/07/20 21:46		
Surrogates								
Nitrobenzene-d5 (S)	85	%	33-132	1	10/02/20 15:13	10/07/20 21:46	4165-60-0	P3
2-Fluorobiphenyl (S)	102	%	39-136	1	10/02/20 15:13	10/07/20 21:46	321-60-8	
Terphenyl-d14 (S)	100	%	29-131	1	10/02/20 15:13	10/07/20 21:46	1718-51-0	

8260 MSV 5035A VOA

Analytical Method: EPA 8260B Preparation Method: EPA 5035A/5030

Pace Analytical Services - Kansas City

Acetone	45.5	ug/kg	12.2	1	10/01/20 09:39	10/01/20 13:24	67-64-1	
Benzene	ND	ug/kg	3.1	1	10/01/20 09:39	10/01/20 13:24	71-43-2	
Bromobenzene	ND	ug/kg	3.1	1	10/01/20 09:39	10/01/20 13:24	108-86-1	
Bromochloromethane	ND	ug/kg	3.1	1	10/01/20 09:39	10/01/20 13:24	74-97-5	
Bromodichloromethane	ND	ug/kg	3.1	1	10/01/20 09:39	10/01/20 13:24	75-27-4	
Bromoform	ND	ug/kg	3.1	1	10/01/20 09:39	10/01/20 13:24	75-25-2	
Bromomethane	ND	ug/kg	3.1	1	10/01/20 09:39	10/01/20 13:24	74-83-9	
2-Butanone (MEK)	9.0	ug/kg	6.1	1	10/01/20 09:39	10/01/20 13:24	78-93-3	
n-Butylbenzene	ND	ug/kg	3.1	1	10/01/20 09:39	10/01/20 13:24	104-51-8	
sec-Butylbenzene	ND	ug/kg	3.1	1	10/01/20 09:39	10/01/20 13:24	135-98-8	
tert-Butylbenzene	ND	ug/kg	15.3	1	10/01/20 09:39	10/01/20 13:24	98-06-6	
Carbon disulfide	ND	ug/kg	3.1	1	10/01/20 09:39	10/01/20 13:24	75-15-0	
Carbon tetrachloride	ND	ug/kg	3.1	1	10/01/20 09:39	10/01/20 13:24	56-23-5	
Chlorobenzene	ND	ug/kg	3.1	1	10/01/20 09:39	10/01/20 13:24	108-90-7	
Chloroethane	ND	ug/kg	3.1	1	10/01/20 09:39	10/01/20 13:24	75-00-3	
Chloroform	ND	ug/kg	3.1	1	10/01/20 09:39	10/01/20 13:24	67-66-3	
Chloromethane	ND	ug/kg	3.1	1	10/01/20 09:39	10/01/20 13:24	74-87-3	
2-Chlorotoluene	ND	ug/kg	3.1	1	10/01/20 09:39	10/01/20 13:24	95-49-8	
4-Chlorotoluene	ND	ug/kg	3.1	1	10/01/20 09:39	10/01/20 13:24	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/kg	6.1	1	10/01/20 09:39	10/01/20 13:24	96-12-8	
Dibromochloromethane	ND	ug/kg	3.1	1	10/01/20 09:39	10/01/20 13:24	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	3.1	1	10/01/20 09:39	10/01/20 13:24	106-93-4	
Dibromomethane	ND	ug/kg	3.1	1	10/01/20 09:39	10/01/20 13:24	74-95-3	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: PINE LAWN

Pace Project No.: 60349454

Sample: DPT-22-SO-(0-3) Lab ID: 60349454001 Collected: 09/24/20 07:40 Received: 09/25/20 04:55 Matrix: Solid

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

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035A VOA		Analytical Method: EPA 8260B Preparation Method: EPA 5035A/5030 Pace Analytical Services - Kansas City						
1,2-Dichlorobenzene	ND	ug/kg	3.1	1	10/01/20 09:39	10/01/20 13:24	95-50-1	SS
1,3-Dichlorobenzene	ND	ug/kg	3.1	1	10/01/20 09:39	10/01/20 13:24	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	3.1	1	10/01/20 09:39	10/01/20 13:24	106-46-7	
Dichlorodifluoromethane	ND	ug/kg	3.1	1	10/01/20 09:39	10/01/20 13:24	75-71-8	
1,1-Dichloroethane	ND	ug/kg	3.1	1	10/01/20 09:39	10/01/20 13:24	75-34-3	
1,2-Dichloroethane	ND	ug/kg	3.1	1	10/01/20 09:39	10/01/20 13:24	107-06-2	
1,2-Dichloroethene (Total)	ND	ug/kg	3.1	1	10/01/20 09:39	10/01/20 13:24	540-59-0	
1,1-Dichloroethene	ND	ug/kg	3.1	1	10/01/20 09:39	10/01/20 13:24	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	3.1	1	10/01/20 09:39	10/01/20 13:24	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	3.1	1	10/01/20 09:39	10/01/20 13:24	156-60-5	
1,2-Dichloropropane	ND	ug/kg	3.1	1	10/01/20 09:39	10/01/20 13:24	78-87-5	
1,3-Dichloropropane	ND	ug/kg	3.1	1	10/01/20 09:39	10/01/20 13:24	142-28-9	
2,2-Dichloropropane	ND	ug/kg	3.1	1	10/01/20 09:39	10/01/20 13:24	594-20-7	
1,1-Dichloropropene	ND	ug/kg	3.1	1	10/01/20 09:39	10/01/20 13:24	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	3.1	1	10/01/20 09:39	10/01/20 13:24	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	3.1	1	10/01/20 09:39	10/01/20 13:24	10061-02-6	
Ethylbenzene	ND	ug/kg	3.1	1	10/01/20 09:39	10/01/20 13:24	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/kg	3.1	1	10/01/20 09:39	10/01/20 13:24	87-68-3	
2-Hexanone	ND	ug/kg	12.2	1	10/01/20 09:39	10/01/20 13:24	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/kg	3.1	1	10/01/20 09:39	10/01/20 13:24	98-82-8	
p-Isopropyltoluene	ND	ug/kg	3.1	1	10/01/20 09:39	10/01/20 13:24	99-87-6	
Methylene Chloride	ND	ug/kg	3.1	1	10/01/20 09:39	10/01/20 13:24	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	6.1	1	10/01/20 09:39	10/01/20 13:24	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	3.1	1	10/01/20 09:39	10/01/20 13:24	1634-04-4	
Naphthalene	ND	ug/kg	6.1	1	10/01/20 09:39	10/01/20 13:24	91-20-3	
n-Propylbenzene	ND	ug/kg	3.1	1	10/01/20 09:39	10/01/20 13:24	103-65-1	
Styrene	ND	ug/kg	3.1	1	10/01/20 09:39	10/01/20 13:24	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	3.1	1	10/01/20 09:39	10/01/20 13:24	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	3.1	1	10/01/20 09:39	10/01/20 13:24	79-34-5	
Tetrachloroethene	ND	ug/kg	3.1	1	10/01/20 09:39	10/01/20 13:24	127-18-4	
Toluene	ND	ug/kg	3.1	1	10/01/20 09:39	10/01/20 13:24	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	3.1	1	10/01/20 09:39	10/01/20 13:24	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	3.1	1	10/01/20 09:39	10/01/20 13:24	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	3.1	1	10/01/20 09:39	10/01/20 13:24	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	3.1	1	10/01/20 09:39	10/01/20 13:24	79-00-5	
Trichloroethene	ND	ug/kg	3.1	1	10/01/20 09:39	10/01/20 13:24	79-01-6	
Trichlorofluoromethane	ND	ug/kg	3.1	1	10/01/20 09:39	10/01/20 13:24	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	3.1	1	10/01/20 09:39	10/01/20 13:24	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/kg	3.1	1	10/01/20 09:39	10/01/20 13:24	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	3.1	1	10/01/20 09:39	10/01/20 13:24	108-67-8	
Vinyl chloride	ND	ug/kg	3.1	1	10/01/20 09:39	10/01/20 13:24	75-01-4	
Xylene (Total)	ND	ug/kg	3.1	1	10/01/20 09:39	10/01/20 13:24	1330-20-7	
Surrogates								
Toluene-d8 (S)	102	%	80-120	1	10/01/20 09:39	10/01/20 13:24	2037-26-5	
4-Bromofluorobenzene (S)	97	%	85-115	1	10/01/20 09:39	10/01/20 13:24	460-00-4	

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ANALYTICAL RESULTS

Project: PINE LAWN

Pace Project No.: 60349454

Sample: DPT-22-SO-(0-3) **Lab ID:** 60349454001 **Collected:** 09/24/20 07:40 **Received:** 09/25/20 04:55 **Matrix:** Solid

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

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035A VOA								
Analytical Method: EPA 8260B Preparation Method: EPA 5035A/5030								
Pace Analytical Services - Kansas City								
Surrogates								
1,2-Dichloroethane-d4 (S)	105	%	78-118	1	10/01/20 09:39	10/01/20 13:24	17060-07-0	
8260 MSV GRO and Oxygenates								
Analytical Method: EPA 8260 Preparation Method: EPA 5035								
Pace Analytical Services - Kansas City								
TPH-GRO	ND	mg/kg	0.31	1	10/01/20 09:39	10/01/20 13:24		
Surrogates								
Toluene-d8 (S)	102	%	78-122	1	10/01/20 09:39	10/01/20 13:24	2037-26-5	
4-Bromofluorobenzene (S)	97	%	69-133	1	10/01/20 09:39	10/01/20 13:24	460-00-4	
1,2-Dichloroethane-d4 (S)	105	%	80-123	1	10/01/20 09:39	10/01/20 13:24	17060-07-0	
Percent Moisture								
Analytical Method: ASTM D2974								
Pace Analytical Services - Kansas City								
Percent Moisture	4.9	%	0.50	1		09/29/20 14:17		

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ANALYTICAL RESULTS

Project: PINE LAWN

Pace Project No.: 60349454

Sample: DPT-22-SO-(17-18) **Lab ID:** 60349454002 **Collected:** 09/24/20 07:59 **Received:** 09/25/20 04:55 **Matrix:** Solid

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

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8082 GCS PCB SW								
Analytical Method: EPA 8082 Preparation Method: EPA 3546								
Pace Analytical Services - Kansas City								
PCB-1016 (Aroclor 1016)	ND	ug/kg	40.4	1	09/30/20 15:02	10/02/20 20:06	12674-11-2	
PCB-1221 (Aroclor 1221)	ND	ug/kg	40.4	1	09/30/20 15:02	10/02/20 20:06	11104-28-2	
PCB-1232 (Aroclor 1232)	ND	ug/kg	40.4	1	09/30/20 15:02	10/02/20 20:06	11141-16-5	
PCB-1242 (Aroclor 1242)	ND	ug/kg	40.4	1	09/30/20 15:02	10/02/20 20:06	53469-21-9	
PCB-1248 (Aroclor 1248)	ND	ug/kg	40.4	1	09/30/20 15:02	10/02/20 20:06	12672-29-6	
PCB-1254 (Aroclor 1254)	ND	ug/kg	40.4	1	09/30/20 15:02	10/02/20 20:06	11097-69-1	
PCB-1260 (Aroclor 1260)	ND	ug/kg	40.4	1	09/30/20 15:02	10/02/20 20:06	11096-82-5	
Surrogates								
Decachlorobiphenyl (S)	86	%	28-143	1	09/30/20 15:02	10/02/20 20:06	2051-24-3	
6010 MET ICP Red. Interference								
Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Pace Analytical Services - Kansas City								
Arsenic	5.4	mg/kg	1.1	1	10/05/20 14:38	10/07/20 10:33	7440-38-2	
Barium	108	mg/kg	0.54	1	10/05/20 14:38	10/07/20 10:33	7440-39-3	
Cadmium	ND	mg/kg	0.54	1	10/05/20 14:38	10/07/20 10:33	7440-43-9	
Chromium	23.7	mg/kg	0.54	1	10/05/20 14:38	10/07/20 10:33	7440-47-3	
Lead	13.9	mg/kg	1.1	1	10/05/20 14:38	10/07/20 10:33	7439-92-1	
Selenium	ND	mg/kg	1.6	1	10/05/20 14:38	10/07/20 10:33	7782-49-2	
Silver	ND	mg/kg	0.75	1	10/05/20 14:38	10/07/20 10:33	7440-22-4	
7471 Mercury								
Analytical Method: EPA 7471 Preparation Method: EPA 7471								
Pace Analytical Services - Kansas City								
Mercury	ND	mg/kg	0.048	1	10/05/20 10:25	10/06/20 11:12	7439-97-6	
8270 MSSV Semivolatiles								
Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Pace Analytical Services - Kansas City								
Acenaphthene	ND	ug/kg	2020	5	09/30/20 12:08	10/08/20 21:49	83-32-9	
Acenaphthylene	ND	ug/kg	2020	5	09/30/20 12:08	10/08/20 21:49	208-96-8	
Anthracene	ND	ug/kg	2020	5	09/30/20 12:08	10/08/20 21:49	120-12-7	
Benzo(a)anthracene	ND	ug/kg	2020	5	09/30/20 12:08	10/08/20 21:49	56-55-3	
Benzo(a)pyrene	ND	ug/kg	2020	5	09/30/20 12:08	10/08/20 21:49	50-32-8	
Benzo(b)fluoranthene	ND	ug/kg	2020	5	09/30/20 12:08	10/08/20 21:49	205-99-2	
Benzo(g,h,i)perylene	ND	ug/kg	2020	5	09/30/20 12:08	10/08/20 21:49	191-24-2	
Benzo(k)fluoranthene	ND	ug/kg	2020	5	09/30/20 12:08	10/08/20 21:49	207-08-9	
Benzoic Acid	ND	ug/kg	10200	5	09/30/20 12:08	10/08/20 21:49	65-85-0	
Benzyl alcohol	ND	ug/kg	4030	5	09/30/20 12:08	10/08/20 21:49	100-51-6	
4-Bromophenylphenyl ether	ND	ug/kg	2020	5	09/30/20 12:08	10/08/20 21:49	101-55-3	
Butylbenzylphthalate	ND	ug/kg	2020	5	09/30/20 12:08	10/08/20 21:49	85-68-7	
Carbazole	ND	ug/kg	2020	5	09/30/20 12:08	10/08/20 21:49	86-74-8	
4-Chloro-3-methylphenol	ND	ug/kg	4030	5	09/30/20 12:08	10/08/20 21:49	59-50-7	
4-Chloroaniline	ND	ug/kg	4030	5	09/30/20 12:08	10/08/20 21:49	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/kg	2020	5	09/30/20 12:08	10/08/20 21:49	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/kg	2020	5	09/30/20 12:08	10/08/20 21:49	111-44-4	
bis(2-Chloroisopropyl) ether	ND	ug/kg	2020	5	09/30/20 12:08	10/08/20 21:49	108-60-1	
2-Chloronaphthalene	ND	ug/kg	2020	5	09/30/20 12:08	10/08/20 21:49	91-58-7	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: PINE LAWN

Pace Project No.: 60349454

Sample: DPT-22-SO-(17-18) Lab ID: 60349454002 Collected: 09/24/20 07:59 Received: 09/25/20 04:55 Matrix: Solid

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

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Semivolatiles		Analytical Method: EPA 8270 Preparation Method: EPA 3546 Pace Analytical Services - Kansas City						
2-Chlorophenol	ND	ug/kg	2020	5	09/30/20 12:08	10/08/20 21:49	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/kg	2020	5	09/30/20 12:08	10/08/20 21:49	7005-72-3	
Chrysene	ND	ug/kg	2020	5	09/30/20 12:08	10/08/20 21:49	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	2020	5	09/30/20 12:08	10/08/20 21:49	53-70-3	
Dibenzofuran	ND	ug/kg	2020	5	09/30/20 12:08	10/08/20 21:49	132-64-9	
1,2-Dichlorobenzene	ND	ug/kg	2020	5	09/30/20 12:08	10/08/20 21:49	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	2020	5	09/30/20 12:08	10/08/20 21:49	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	2020	5	09/30/20 12:08	10/08/20 21:49	106-46-7	
3,3'-Dichlorobenzidine	ND	ug/kg	4030	5	09/30/20 12:08	10/08/20 21:49	91-94-1	
2,4-Dichlorophenol	ND	ug/kg	2020	5	09/30/20 12:08	10/08/20 21:49	120-83-2	
Diethylphthalate	ND	ug/kg	2020	5	09/30/20 12:08	10/08/20 21:49	84-66-2	
2,4-Dimethylphenol	ND	ug/kg	2020	5	09/30/20 12:08	10/08/20 21:49	105-67-9	
Dimethylphthalate	ND	ug/kg	2020	5	09/30/20 12:08	10/08/20 21:49	131-11-3	
Di-n-butylphthalate	ND	ug/kg	2020	5	09/30/20 12:08	10/08/20 21:49	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/kg	10200	5	09/30/20 12:08	10/08/20 21:49	534-52-1	
2,4-Dinitrophenol	ND	ug/kg	10200	5	09/30/20 12:08	10/08/20 21:49	51-28-5	
2,4-Dinitrotoluene	ND	ug/kg	2020	5	09/30/20 12:08	10/08/20 21:49	121-14-2	
2,6-Dinitrotoluene	ND	ug/kg	2020	5	09/30/20 12:08	10/08/20 21:49	606-20-2	
Di-n-octylphthalate	ND	ug/kg	2020	5	09/30/20 12:08	10/08/20 21:49	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/kg	2020	5	09/30/20 12:08	10/08/20 21:49	117-81-7	
Fluoranthene	ND	ug/kg	2020	5	09/30/20 12:08	10/08/20 21:49	206-44-0	
Fluorene	ND	ug/kg	2020	5	09/30/20 12:08	10/08/20 21:49	86-73-7	
Hexachloro-1,3-butadiene	ND	ug/kg	2020	5	09/30/20 12:08	10/08/20 21:49	87-68-3	
Hexachlorobenzene	ND	ug/kg	2020	5	09/30/20 12:08	10/08/20 21:49	118-74-1	
Hexachlorocyclopentadiene	ND	ug/kg	2020	5	09/30/20 12:08	10/08/20 21:49	77-47-4	
Hexachloroethane	ND	ug/kg	2020	5	09/30/20 12:08	10/08/20 21:49	67-72-1	
Indeno(1,2,3-cd)pyrene	ND	ug/kg	2020	5	09/30/20 12:08	10/08/20 21:49	193-39-5	
Isophorone	ND	ug/kg	2020	5	09/30/20 12:08	10/08/20 21:49	78-59-1	
2-Methylnaphthalene	2610	ug/kg	2020	5	09/30/20 12:08	10/08/20 21:49	91-57-6	
2-Methylphenol(o-Cresol)	ND	ug/kg	2020	5	09/30/20 12:08	10/08/20 21:49	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/kg	2020	5	09/30/20 12:08	10/08/20 21:49	15831-10-4	
Naphthalene	4300	ug/kg	2020	5	09/30/20 12:08	10/08/20 21:49	91-20-3	
2-Nitroaniline	ND	ug/kg	4030	5	09/30/20 12:08	10/08/20 21:49	88-74-4	
3-Nitroaniline	ND	ug/kg	4030	5	09/30/20 12:08	10/08/20 21:49	99-09-2	
4-Nitroaniline	ND	ug/kg	4030	5	09/30/20 12:08	10/08/20 21:49	100-01-6	
Nitrobenzene	ND	ug/kg	2020	5	09/30/20 12:08	10/08/20 21:49	98-95-3	
2-Nitrophenol	ND	ug/kg	2020	5	09/30/20 12:08	10/08/20 21:49	88-75-5	
4-Nitrophenol	ND	ug/kg	10200	5	09/30/20 12:08	10/08/20 21:49	100-02-7	
N-Nitroso-di-n-propylamine	ND	ug/kg	2020	5	09/30/20 12:08	10/08/20 21:49	621-64-7	
N-Nitrosodiphenylamine	ND	ug/kg	2020	5	09/30/20 12:08	10/08/20 21:49	86-30-6	
Pentachlorophenol	ND	ug/kg	10200	5	09/30/20 12:08	10/08/20 21:49	87-86-5	
Phenanthrene	ND	ug/kg	2020	5	09/30/20 12:08	10/08/20 21:49	85-01-8	
Phenol	ND	ug/kg	2020	5	09/30/20 12:08	10/08/20 21:49	108-95-2	
Pyrene	ND	ug/kg	2020	5	09/30/20 12:08	10/08/20 21:49	129-00-0	
Pyridine	ND	ug/kg	2020	5	09/30/20 12:08	10/08/20 21:49	110-86-1	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: PINE LAWN

Pace Project No.: 60349454

Sample: DPT-22-SO-(17-18) **Lab ID:** 60349454002 **Collected:** 09/24/20 07:59 **Received:** 09/25/20 04:55 **Matrix:** Solid

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

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Semivolatiles								
Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Pace Analytical Services - Kansas City								
1,2,4-Trichlorobenzene	ND	ug/kg	2020	5	09/30/20 12:08	10/08/20 21:49	120-82-1	
2,4,5-Trichlorophenol	ND	ug/kg	2020	5	09/30/20 12:08	10/08/20 21:49	95-95-4	
2,4,6-Trichlorophenol	ND	ug/kg	2020	5	09/30/20 12:08	10/08/20 21:49	88-06-2	
Surrogates								
Nitrobenzene-d5 (S)	153	%	33-132	5	09/30/20 12:08	10/08/20 21:49	4165-60-0	D4,S0
2-Fluorobiphenyl (S)	91	%	39-136	5	09/30/20 12:08	10/08/20 21:49	321-60-8	
Terphenyl-d14 (S)	99	%	29-131	5	09/30/20 12:08	10/08/20 21:49	1718-51-0	
Phenol-d6 (S)	90	%	43-95	5	09/30/20 12:08	10/08/20 21:49	13127-88-3	
2-Fluorophenol (S)	83	%	43-96	5	09/30/20 12:08	10/08/20 21:49	367-12-4	
2,4,6-Tribromophenol (S)	85	%	41-108	5	09/30/20 12:08	10/08/20 21:49	118-79-6	
8270 MSSV DRO/ORO								
Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Pace Analytical Services - Kansas City								
TPH-ORO	ND	mg/kg	31.3	1	10/02/20 15:13	10/07/20 22:06		
TPH-DRO	1310	mg/kg	31.3	1	10/02/20 15:13	10/07/20 22:06		
Surrogates								
Nitrobenzene-d5 (S)	118	%	33-132	1	10/02/20 15:13	10/07/20 22:06	4165-60-0	
2-Fluorobiphenyl (S)	79	%	39-136	1	10/02/20 15:13	10/07/20 22:06	321-60-8	
Terphenyl-d14 (S)	85	%	29-131	1	10/02/20 15:13	10/07/20 22:06	1718-51-0	
8260 MSV 5035A VOA								
Analytical Method: EPA 8260B Preparation Method: EPA 5035A/5030B								
Pace Analytical Services - Kansas City								
Acetone	5120	ug/kg	3400	5	10/01/20 14:51	10/01/20 20:06	67-64-1	
Benzene	19200	ug/kg	849	5	10/01/20 14:51	10/01/20 20:06	71-43-2	
Bromobenzene	ND	ug/kg	849	5	10/01/20 14:51	10/01/20 20:06	108-86-1	
Bromochloromethane	ND	ug/kg	849	5	10/01/20 14:51	10/01/20 20:06	74-97-5	
Bromodichloromethane	ND	ug/kg	849	5	10/01/20 14:51	10/01/20 20:06	75-27-4	
Bromoform	ND	ug/kg	849	5	10/01/20 14:51	10/01/20 20:06	75-25-2	
Bromomethane	ND	ug/kg	849	5	10/01/20 14:51	10/01/20 20:06	74-83-9	
2-Butanone (MEK)	ND	ug/kg	1700	5	10/01/20 14:51	10/01/20 20:06	78-93-3	
n-Butylbenzene	3970	ug/kg	849	5	10/01/20 14:51	10/01/20 20:06	104-51-8	
sec-Butylbenzene	3640	ug/kg	849	5	10/01/20 14:51	10/01/20 20:06	135-98-8	
tert-Butylbenzene	ND	ug/kg	4240	5	10/01/20 14:51	10/01/20 20:06	98-06-6	
Carbon disulfide	ND	ug/kg	849	5	10/01/20 14:51	10/01/20 20:06	75-15-0	
Carbon tetrachloride	ND	ug/kg	849	5	10/01/20 14:51	10/01/20 20:06	56-23-5	
Chlorobenzene	ND	ug/kg	849	5	10/01/20 14:51	10/01/20 20:06	108-90-7	
Chloroethane	ND	ug/kg	849	5	10/01/20 14:51	10/01/20 20:06	75-00-3	
Chloroform	ND	ug/kg	849	5	10/01/20 14:51	10/01/20 20:06	67-66-3	
Chloromethane	ND	ug/kg	849	5	10/01/20 14:51	10/01/20 20:06	74-87-3	
2-Chlorotoluene	ND	ug/kg	849	5	10/01/20 14:51	10/01/20 20:06	95-49-8	
4-Chlorotoluene	ND	ug/kg	849	5	10/01/20 14:51	10/01/20 20:06	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/kg	1700	5	10/01/20 14:51	10/01/20 20:06	96-12-8	
Dibromochloromethane	ND	ug/kg	849	5	10/01/20 14:51	10/01/20 20:06	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	849	5	10/01/20 14:51	10/01/20 20:06	106-93-4	
Dibromomethane	ND	ug/kg	849	5	10/01/20 14:51	10/01/20 20:06	74-95-3	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: PINE LAWN

Pace Project No.: 60349454

Sample: DPT-22-SO-(17-18) **Lab ID:** 60349454002 **Collected:** 09/24/20 07:59 **Received:** 09/25/20 04:55 **Matrix:** Solid

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

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035A VOA		Analytical Method: EPA 8260B Preparation Method: EPA 5035A/5030B Pace Analytical Services - Kansas City						
1,2-Dichlorobenzene	ND	ug/kg	849	5	10/01/20 14:51	10/01/20 20:06	95-50-1	SS
1,3-Dichlorobenzene	ND	ug/kg	849	5	10/01/20 14:51	10/01/20 20:06	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	849	5	10/01/20 14:51	10/01/20 20:06	106-46-7	
Dichlorodifluoromethane	ND	ug/kg	849	5	10/01/20 14:51	10/01/20 20:06	75-71-8	
1,1-Dichloroethane	ND	ug/kg	849	5	10/01/20 14:51	10/01/20 20:06	75-34-3	
1,2-Dichloroethane	ND	ug/kg	849	5	10/01/20 14:51	10/01/20 20:06	107-06-2	
1,2-Dichloroethene (Total)	ND	ug/kg	849	5	10/01/20 14:51	10/01/20 20:06	540-59-0	
1,1-Dichloroethene	ND	ug/kg	849	5	10/01/20 14:51	10/01/20 20:06	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	849	5	10/01/20 14:51	10/01/20 20:06	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	849	5	10/01/20 14:51	10/01/20 20:06	156-60-5	
1,2-Dichloropropane	ND	ug/kg	849	5	10/01/20 14:51	10/01/20 20:06	78-87-5	
1,3-Dichloropropane	ND	ug/kg	849	5	10/01/20 14:51	10/01/20 20:06	142-28-9	
2,2-Dichloropropane	ND	ug/kg	849	5	10/01/20 14:51	10/01/20 20:06	594-20-7	
1,1-Dichloropropene	ND	ug/kg	849	5	10/01/20 14:51	10/01/20 20:06	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	849	5	10/01/20 14:51	10/01/20 20:06	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	849	5	10/01/20 14:51	10/01/20 20:06	10061-02-6	
Ethylbenzene	42500	ug/kg	849	5	10/01/20 14:51	10/01/20 20:06	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/kg	849	5	10/01/20 14:51	10/01/20 20:06	87-68-3	
2-Hexanone	ND	ug/kg	3400	5	10/01/20 14:51	10/01/20 20:06	591-78-6	
Isopropylbenzene (Cumene)	11400	ug/kg	849	5	10/01/20 14:51	10/01/20 20:06	98-82-8	
p-Isopropyltoluene	3080	ug/kg	849	5	10/01/20 14:51	10/01/20 20:06	99-87-6	
Methylene Chloride	ND	ug/kg	849	5	10/01/20 14:51	10/01/20 20:06	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	1700	5	10/01/20 14:51	10/01/20 20:06	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	849	5	10/01/20 14:51	10/01/20 20:06	1634-04-4	
Naphthalene	7400	ug/kg	1700	5	10/01/20 14:51	10/01/20 20:06	91-20-3	
n-Propylbenzene	13500	ug/kg	849	5	10/01/20 14:51	10/01/20 20:06	103-65-1	
Styrene	ND	ug/kg	849	5	10/01/20 14:51	10/01/20 20:06	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	849	5	10/01/20 14:51	10/01/20 20:06	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	849	5	10/01/20 14:51	10/01/20 20:06	79-34-5	
Tetrachloroethene	ND	ug/kg	849	5	10/01/20 14:51	10/01/20 20:06	127-18-4	
Toluene	1720	ug/kg	849	5	10/01/20 14:51	10/01/20 20:06	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	849	5	10/01/20 14:51	10/01/20 20:06	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	849	5	10/01/20 14:51	10/01/20 20:06	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	849	5	10/01/20 14:51	10/01/20 20:06	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	849	5	10/01/20 14:51	10/01/20 20:06	79-00-5	
Trichloroethene	ND	ug/kg	849	5	10/01/20 14:51	10/01/20 20:06	79-01-6	
Trichlorofluoromethane	ND	ug/kg	849	5	10/01/20 14:51	10/01/20 20:06	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	849	5	10/01/20 14:51	10/01/20 20:06	96-18-4	
1,2,4-Trimethylbenzene	33600	ug/kg	849	5	10/01/20 14:51	10/01/20 20:06	95-63-6	
1,3,5-Trimethylbenzene	7210	ug/kg	849	5	10/01/20 14:51	10/01/20 20:06	108-67-8	
Vinyl chloride	ND	ug/kg	849	5	10/01/20 14:51	10/01/20 20:06	75-01-4	
Xylene (Total)	20900	ug/kg	849	5	10/01/20 14:51	10/01/20 20:06	1330-20-7	
Surrogates								
Toluene-d8 (S)	113	%	80-120	5	10/01/20 14:51	10/01/20 20:06	2037-26-5	
4-Bromofluorobenzene (S)	97	%	83-119	5	10/01/20 14:51	10/01/20 20:06	460-00-4	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: PINE LAWN

Pace Project No.: 60349454

Sample: DPT-22-SO-(17-18) **Lab ID:** 60349454002 **Collected:** 09/24/20 07:59 **Received:** 09/25/20 04:55 **Matrix:** Solid

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

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035A VOA								
Analytical Method: EPA 8260B Preparation Method: EPA 5035A/5030B								
Pace Analytical Services - Kansas City								
Surrogates								
1,2-Dichloroethane-d4 (S)	89	%	78-118	5	10/01/20 14:51	10/01/20 20:06	17060-07-0	
8260 MSV GRO and Oxygenates								
Analytical Method: EPA 5035A/8260 Preparation Method: EPA 5035/5030								
Pace Analytical Services - Kansas City								
TPH-GRO	1840	mg/kg	84.9	5	10/01/20 14:51	10/01/20 20:06		
Surrogates								
Toluene-d8 (S)	113	%	80-120	5	10/01/20 14:51	10/01/20 20:06	2037-26-5	
4-Bromofluorobenzene (S)	97	%	85-115	5	10/01/20 14:51	10/01/20 20:06	460-00-4	
1,2-Dichloroethane-d4 (S)	89	%	78-118	5	10/01/20 14:51	10/01/20 20:06	17060-07-0	
Percent Moisture								
Analytical Method: ASTM D2974								
Pace Analytical Services - Kansas City								
Percent Moisture	19.6	%	0.50	1		09/29/20 14:17		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: PINE LAWN

Pace Project No.: 60349454

Sample: PINE LAWN - FB4 Lab ID: 60349454003 Collected: 09/24/20 08:29 Received: 09/25/20 04:55 Matrix: Water								
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8082 GCS PCB, LV								
Analytical Method: EPA 8082 Preparation Method: EPA 3510								
Pace Analytical Services - Kansas City								
PCB-1016 (Aroclor 1016)	ND	ug/L	0.91	1	10/02/20 13:17	10/05/20 09:51	12674-11-2	
PCB-1221 (Aroclor 1221)	ND	ug/L	0.91	1	10/02/20 13:17	10/05/20 09:51	11104-28-2	
PCB-1232 (Aroclor 1232)	ND	ug/L	0.91	1	10/02/20 13:17	10/05/20 09:51	11141-16-5	
PCB-1242 (Aroclor 1242)	ND	ug/L	0.91	1	10/02/20 13:17	10/05/20 09:51	53469-21-9	
PCB-1248 (Aroclor 1248)	ND	ug/L	0.91	1	10/02/20 13:17	10/05/20 09:51	12672-29-6	
PCB-1254 (Aroclor 1254)	ND	ug/L	0.91	1	10/02/20 13:17	10/05/20 09:51	11097-69-1	
PCB-1260 (Aroclor 1260)	ND	ug/L	0.91	1	10/02/20 13:17	10/05/20 09:51	11096-82-5	
Surrogates								
Decachlorobiphenyl (S)	71	%	30-136	1	10/02/20 13:17	10/05/20 09:51	2051-24-3	
6010 MET ICP								
Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Pace Analytical Services - Kansas City								
Arsenic	ND	ug/L	10.0	1	10/05/20 16:09	10/06/20 16:39	7440-38-2	
Barium	ND	ug/L	5.0	1	10/05/20 16:09	10/06/20 16:39	7440-39-3	
Cadmium	ND	ug/L	5.0	1	10/05/20 16:09	10/06/20 16:39	7440-43-9	
Chromium	ND	ug/L	5.0	1	10/05/20 16:09	10/06/20 16:39	7440-47-3	
Lead	ND	ug/L	10.0	1	10/05/20 16:09	10/06/20 16:39	7439-92-1	
Selenium	ND	ug/L	15.0	1	10/05/20 16:09	10/06/20 16:39	7782-49-2	
Silver	ND	ug/L	7.0	1	10/05/20 16:09	10/06/20 16:39	7440-22-4	
6010 MET ICP, Dissolved								
Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Pace Analytical Services - Kansas City								
Arsenic, Dissolved	ND	ug/L	10.0	1	10/05/20 16:09	10/06/20 11:55	7440-38-2	
Barium, Dissolved	ND	ug/L	5.0	1	10/05/20 16:09	10/06/20 11:55	7440-39-3	
Cadmium, Dissolved	ND	ug/L	5.0	1	10/05/20 16:09	10/06/20 11:55	7440-43-9	
Chromium, Dissolved	ND	ug/L	5.0	1	10/05/20 16:09	10/06/20 11:55	7440-47-3	
Lead, Dissolved	ND	ug/L	10.0	1	10/05/20 16:09	10/06/20 11:55	7439-92-1	
Selenium, Dissolved	ND	ug/L	15.0	1	10/05/20 16:09	10/06/20 11:55	7782-49-2	
Silver, Dissolved	ND	ug/L	7.0	1	10/05/20 16:09	10/06/20 11:55	7440-22-4	
7470 Mercury								
Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Pace Analytical Services - Kansas City								
Mercury	ND	ug/L	0.20	1	10/06/20 14:09	10/07/20 10:46	7439-97-6	
7470 Mercury, Dissolved								
Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Pace Analytical Services - Kansas City								
Mercury, Dissolved	ND	ug/L	0.20	1	09/29/20 14:13	10/01/20 10:29	7439-97-6	
8270 MSSV DRO/ORO								
Analytical Method: EPA 8270 Preparation Method: EPA 3510C								
Pace Analytical Services - Kansas City								
TPH-ORO	ND	mg/L	1.0	1	09/30/20 23:58	10/08/20 02:00		
TPH-DRO	ND	mg/L	1.0	1	09/30/20 23:58	10/08/20 02:00		
Surrogates								
Nitrobenzene-d5 (S)	65	%	27-106	1	09/30/20 23:58	10/08/20 02:00	4165-60-0	
2-Fluorobiphenyl (S)	67	%	29-108	1	09/30/20 23:58	10/08/20 02:00	321-60-8	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: PINE LAWN

Pace Project No.: 60349454

Sample: PINE LAWN - FB4		Lab ID: 60349454003	Collected: 09/24/20 08:29	Received: 09/25/20 04:55	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV DRO/ORO		Analytical Method: EPA 8270 Preparation Method: EPA 3510C Pace Analytical Services - Kansas City						
Surrogates								
Terphenyl-d14 (S)	73	%	34-129	1	09/30/20 23:58	10/08/20 02:00	1718-51-0	
8270 MSSV Semivolatile Organic		Analytical Method: EPA 8270 Preparation Method: EPA 3510 Pace Analytical Services - Kansas City						
Acenaphthene	ND	ug/L	9.5	1	09/30/20 15:38	10/05/20 11:00	83-32-9	
Acenaphthylene	ND	ug/L	9.5	1	09/30/20 15:38	10/05/20 11:00	208-96-8	
Anthracene	ND	ug/L	9.5	1	09/30/20 15:38	10/05/20 11:00	120-12-7	
Benzo(a)anthracene	ND	ug/L	9.5	1	09/30/20 15:38	10/05/20 11:00	56-55-3	
Benzo(a)pyrene	ND	ug/L	9.5	1	09/30/20 15:38	10/05/20 11:00	50-32-8	
Benzo(b)fluoranthene	ND	ug/L	9.5	1	09/30/20 15:38	10/05/20 11:00	205-99-2	
Benzo(g,h,i)perylene	ND	ug/L	9.5	1	09/30/20 15:38	10/05/20 11:00	191-24-2	
Benzo(k)fluoranthene	ND	ug/L	9.5	1	09/30/20 15:38	10/05/20 11:00	207-08-9	
Benzoic Acid	ND	ug/L	47.6	1	09/30/20 15:38	10/05/20 11:00	65-85-0	
Benzyl alcohol	ND	ug/L	19.0	1	09/30/20 15:38	10/05/20 11:00	100-51-6	
4-Bromophenylphenyl ether	ND	ug/L	9.5	1	09/30/20 15:38	10/05/20 11:00	101-55-3	
Butylbenzylphthalate	ND	ug/L	19.0	1	09/30/20 15:38	10/05/20 11:00	85-68-7	
Carbazole	ND	ug/L	9.5	1	09/30/20 15:38	10/05/20 11:00	86-74-8	
4-Chloro-3-methylphenol	ND	ug/L	19.0	1	09/30/20 15:38	10/05/20 11:00	59-50-7	
4-Chloroaniline	ND	ug/L	19.0	1	09/30/20 15:38	10/05/20 11:00	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/L	9.5	1	09/30/20 15:38	10/05/20 11:00	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/L	9.5	1	09/30/20 15:38	10/05/20 11:00	111-44-4	
bis(2-Chloroisopropyl) ether	ND	ug/L	9.5	1	09/30/20 15:38	10/05/20 11:00	108-60-1	
2-Chloronaphthalene	ND	ug/L	9.5	1	09/30/20 15:38	10/05/20 11:00	91-58-7	
2-Chlorophenol	ND	ug/L	9.5	1	09/30/20 15:38	10/05/20 11:00	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/L	9.5	1	09/30/20 15:38	10/05/20 11:00	7005-72-3	
Chrysene	ND	ug/L	9.5	1	09/30/20 15:38	10/05/20 11:00	218-01-9	
Dibenz(a,h)anthracene	ND	ug/L	9.5	1	09/30/20 15:38	10/05/20 11:00	53-70-3	
Dibenzofuran	ND	ug/L	9.5	1	09/30/20 15:38	10/05/20 11:00	132-64-9	
1,2-Dichlorobenzene	ND	ug/L	9.5	1	09/30/20 15:38	10/05/20 11:00	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	9.5	1	09/30/20 15:38	10/05/20 11:00	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	9.5	1	09/30/20 15:38	10/05/20 11:00	106-46-7	
3,3'-Dichlorobenzidine	ND	ug/L	19.0	1	09/30/20 15:38	10/05/20 11:00	91-94-1	
2,4-Dichlorophenol	ND	ug/L	9.5	1	09/30/20 15:38	10/05/20 11:00	120-83-2	
Diethylphthalate	ND	ug/L	9.5	1	09/30/20 15:38	10/05/20 11:00	84-66-2	
2,4-Dimethylphenol	ND	ug/L	9.5	1	09/30/20 15:38	10/05/20 11:00	105-67-9	
Dimethylphthalate	ND	ug/L	9.5	1	09/30/20 15:38	10/05/20 11:00	131-11-3	
Di-n-butylphthalate	ND	ug/L	9.5	1	09/30/20 15:38	10/05/20 11:00	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/L	47.6	1	09/30/20 15:38	10/05/20 11:00	534-52-1	
2,4-Dinitrophenol	ND	ug/L	47.6	1	09/30/20 15:38	10/05/20 11:00	51-28-5	
2,4-Dinitrotoluene	ND	ug/L	9.5	1	09/30/20 15:38	10/05/20 11:00	121-14-2	
2,6-Dinitrotoluene	ND	ug/L	9.5	1	09/30/20 15:38	10/05/20 11:00	606-20-2	
Di-n-octylphthalate	ND	ug/L	9.5	1	09/30/20 15:38	10/05/20 11:00	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/L	19.0	1	09/30/20 15:38	10/05/20 11:00	117-81-7	
Fluoranthene	ND	ug/L	9.5	1	09/30/20 15:38	10/05/20 11:00	206-44-0	
Fluorene	ND	ug/L	9.5	1	09/30/20 15:38	10/05/20 11:00	86-73-7	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: PINE LAWN

Pace Project No.: 60349454

Sample: PINE LAWN - FB4 Lab ID: 60349454003 Collected: 09/24/20 08:29 Received: 09/25/20 04:55 Matrix: Water								
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Semivolatile Organic Analytical Method: EPA 8270 Preparation Method: EPA 3510 Pace Analytical Services - Kansas City								
Hexachloro-1,3-butadiene	ND	ug/L	9.5	1	09/30/20 15:38	10/05/20 11:00	87-68-3	
Hexachlorobenzene	ND	ug/L	9.5	1	09/30/20 15:38	10/05/20 11:00	118-74-1	
Hexachlorocyclopentadiene	ND	ug/L	9.5	1	09/30/20 15:38	10/05/20 11:00	77-47-4	
Hexachloroethane	ND	ug/L	9.5	1	09/30/20 15:38	10/05/20 11:00	67-72-1	
Indeno(1,2,3-cd)pyrene	ND	ug/L	9.5	1	09/30/20 15:38	10/05/20 11:00	193-39-5	
Isophorone	ND	ug/L	9.5	1	09/30/20 15:38	10/05/20 11:00	78-59-1	
2-Methylnaphthalene	ND	ug/L	9.5	1	09/30/20 15:38	10/05/20 11:00	91-57-6	
2-Methylphenol(o-Cresol)	ND	ug/L	9.5	1	09/30/20 15:38	10/05/20 11:00	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/L	9.5	1	09/30/20 15:38	10/05/20 11:00	15831-10-4	
Naphthalene	ND	ug/L	9.5	1	09/30/20 15:38	10/05/20 11:00	91-20-3	
2-Nitroaniline	ND	ug/L	47.6	1	09/30/20 15:38	10/05/20 11:00	88-74-4	
3-Nitroaniline	ND	ug/L	47.6	1	09/30/20 15:38	10/05/20 11:00	99-09-2	
4-Nitroaniline	ND	ug/L	47.6	1	09/30/20 15:38	10/05/20 11:00	100-01-6	
Nitrobenzene	ND	ug/L	9.5	1	09/30/20 15:38	10/05/20 11:00	98-95-3	
2-Nitrophenol	ND	ug/L	9.5	1	09/30/20 15:38	10/05/20 11:00	88-75-5	
4-Nitrophenol	ND	ug/L	47.6	1	09/30/20 15:38	10/05/20 11:00	100-02-7	
N-Nitroso-di-n-propylamine	ND	ug/L	9.5	1	09/30/20 15:38	10/05/20 11:00	621-64-7	
N-Nitrosodiphenylamine	ND	ug/L	9.5	1	09/30/20 15:38	10/05/20 11:00	86-30-6	
Pentachlorophenol	ND	ug/L	47.6	1	09/30/20 15:38	10/05/20 11:00	87-86-5	
Phenanthrene	ND	ug/L	9.5	1	09/30/20 15:38	10/05/20 11:00	85-01-8	
Phenol	ND	ug/L	9.5	1	09/30/20 15:38	10/05/20 11:00	108-95-2	
Pyrene	ND	ug/L	9.5	1	09/30/20 15:38	10/05/20 11:00	129-00-0	
Pyridine	ND	ug/L	9.5	1	09/30/20 15:38	10/05/20 11:00	110-86-1	L2
1,2,4-Trichlorobenzene	ND	ug/L	9.5	1	09/30/20 15:38	10/05/20 11:00	120-82-1	
2,4,5-Trichlorophenol	ND	ug/L	47.6	1	09/30/20 15:38	10/05/20 11:00	95-95-4	
2,4,6-Trichlorophenol	ND	ug/L	9.5	1	09/30/20 15:38	10/05/20 11:00	88-06-2	
Surrogates								
Nitrobenzene-d5 (S)	36	%	27-106	1	09/30/20 15:38	10/05/20 11:00	4165-60-0	
2-Fluorobiphenyl (S)	38	%	29-108	1	09/30/20 15:38	10/05/20 11:00	321-60-8	
Terphenyl-d14 (S)	71	%	34-129	1	09/30/20 15:38	10/05/20 11:00	1718-51-0	
Phenol-d6 (S)	26	%	10-44	1	09/30/20 15:38	10/05/20 11:00	13127-88-3	
2-Fluorophenol (S)	30	%	11-64	1	09/30/20 15:38	10/05/20 11:00	367-12-4	
2,4,6-Tribromophenol (S)	47	%	16-114	1	09/30/20 15:38	10/05/20 11:00	118-79-6	
8260 MSV Analytical Method: EPA 5030B/8260 Pace Analytical Services - Kansas City								
Acetone	ND	ug/L	10.0	1		09/29/20 06:16	67-64-1	
Benzene	ND	ug/L	1.0	1		09/29/20 06:16	71-43-2	
Bromobenzene	ND	ug/L	1.0	1		09/29/20 06:16	108-86-1	
Bromochloromethane	ND	ug/L	1.0	1		09/29/20 06:16	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	1		09/29/20 06:16	75-27-4	
Bromoform	ND	ug/L	1.0	1		09/29/20 06:16	75-25-2	
Bromomethane	ND	ug/L	5.0	1		09/29/20 06:16	74-83-9	
2-Butanone (MEK)	ND	ug/L	10.0	1		09/29/20 06:16	78-93-3	
n-Butylbenzene	ND	ug/L	1.0	1		09/29/20 06:16	104-51-8	
sec-Butylbenzene	ND	ug/L	1.0	1		09/29/20 06:16	135-98-8	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: PINE LAWN

Pace Project No.: 60349454

Sample: PINE LAWN - FB4		Lab ID: 60349454003	Collected: 09/24/20 08:29	Received: 09/25/20 04:55	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 5030B/8260 Pace Analytical Services - Kansas City						
tert-Butylbenzene	ND	ug/L	1.0	1		09/29/20 06:16	98-06-6	
Carbon disulfide	ND	ug/L	5.0	1		09/29/20 06:16	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	1		09/29/20 06:16	56-23-5	
Chlorobenzene	ND	ug/L	1.0	1		09/29/20 06:16	108-90-7	
Chloroethane	ND	ug/L	1.0	1		09/29/20 06:16	75-00-3	
Chloroform	ND	ug/L	1.0	1		09/29/20 06:16	67-66-3	
Chloromethane	ND	ug/L	1.0	1		09/29/20 06:16	74-87-3	
2-Chlorotoluene	ND	ug/L	1.0	1		09/29/20 06:16	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	1		09/29/20 06:16	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	2.5	1		09/29/20 06:16	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	1		09/29/20 06:16	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	1		09/29/20 06:16	106-93-4	
Dibromomethane	ND	ug/L	1.0	1		09/29/20 06:16	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	1		09/29/20 06:16	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	1		09/29/20 06:16	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	1		09/29/20 06:16	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	1		09/29/20 06:16	75-71-8	L2
1,1-Dichloroethane	ND	ug/L	1.0	1		09/29/20 06:16	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	1		09/29/20 06:16	107-06-2	
1,2-Dichloroethene (Total)	ND	ug/L	1.0	1		09/29/20 06:16	540-59-0	
1,1-Dichloroethene	ND	ug/L	1.0	1		09/29/20 06:16	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	1		09/29/20 06:16	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		09/29/20 06:16	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	1		09/29/20 06:16	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	1		09/29/20 06:16	142-28-9	
2,2-Dichloropropane	ND	ug/L	1.0	1		09/29/20 06:16	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	1		09/29/20 06:16	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	1.0	1		09/29/20 06:16	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	1		09/29/20 06:16	10061-02-6	
Ethylbenzene	ND	ug/L	1.0	1		09/29/20 06:16	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	1.0	1		09/29/20 06:16	87-68-3	
2-Hexanone	ND	ug/L	10.0	1		09/29/20 06:16	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	1.0	1		09/29/20 06:16	98-82-8	
p-Isopropyltoluene	ND	ug/L	1.0	1		09/29/20 06:16	99-87-6	
Methylene Chloride	ND	ug/L	1.0	1		09/29/20 06:16	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	10.0	1		09/29/20 06:16	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	1.0	1		09/29/20 06:16	1634-04-4	
Naphthalene	ND	ug/L	10.0	1		09/29/20 06:16	91-20-3	
n-Propylbenzene	ND	ug/L	1.0	1		09/29/20 06:16	103-65-1	
Styrene	ND	ug/L	1.0	1		09/29/20 06:16	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	1		09/29/20 06:16	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	1		09/29/20 06:16	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	1		09/29/20 06:16	127-18-4	
Toluene	ND	ug/L	1.0	1		09/29/20 06:16	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	1		09/29/20 06:16	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	1		09/29/20 06:16	120-82-1	

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ANALYTICAL RESULTS

Project: PINE LAWN

Pace Project No.: 60349454

Sample: PINE LAWN - FB4		Lab ID: 60349454003	Collected: 09/24/20 08:29	Received: 09/25/20 04:55	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 5030B/8260 Pace Analytical Services - Kansas City						
1,1,1-Trichloroethane	ND	ug/L	1.0	1		09/29/20 06:16	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	1		09/29/20 06:16	79-00-5	
Trichloroethene	ND	ug/L	1.0	1		09/29/20 06:16	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		09/29/20 06:16	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	2.5	1		09/29/20 06:16	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/L	1.0	1		09/29/20 06:16	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	1.0	1		09/29/20 06:16	108-67-8	
Vinyl chloride	ND	ug/L	1.0	1		09/29/20 06:16	75-01-4	
Xylene (Total)	ND	ug/L	3.0	1		09/29/20 06:16	1330-20-7	
Surrogates								
4-Bromofluorobenzene (S)	101	%	80-120	1		09/29/20 06:16	460-00-4	
1,2-Dichloroethane-d4 (S)	97	%	86-117	1		09/29/20 06:16	17060-07-0	
Toluene-d8 (S)	101	%	80-120	1		09/29/20 06:16	2037-26-5	
Preservation pH	1.0		0.10	1		09/29/20 06:16		
8260 MSV GRO and Oxygenates		Analytical Method: EPA 8260 Pace Analytical Services - Kansas City						
TPH-GRO	ND	ug/L	500	1		10/02/20 15:00		
Surrogates								
Toluene-d8 (S)	98	%	80-120	1		10/02/20 15:00	2037-26-5	
4-Bromofluorobenzene (S)	97	%	80-120	1		10/02/20 15:00	460-00-4	
1,2-Dichloroethane-d4 (S)	104	%	86-117	1		10/02/20 15:00	17060-07-0	
Preservation pH	1.0		0.10	1		10/02/20 15:00		

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ANALYTICAL RESULTS

Project: PINE LAWN

Pace Project No.: 60349454

Sample: PINE LAWN - SO - TB8 **Lab ID: 60349454004** Collected: 09/24/20 08:30 Received: 09/25/20 04:55 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035A VOA		Analytical Method: EPA 8260B Preparation Method: EPA 5035A/5030 Pace Analytical Services - Kansas City						
Acetone	ND	ug/kg	20.0	1	10/01/20 14:22	10/01/20 17:01	67-64-1	
Benzene	ND	ug/kg	5.0	1	10/01/20 14:22	10/01/20 17:01	71-43-2	
Bromobenzene	ND	ug/kg	5.0	1	10/01/20 14:22	10/01/20 17:01	108-86-1	
Bromochloromethane	ND	ug/kg	5.0	1	10/01/20 14:22	10/01/20 17:01	74-97-5	
Bromodichloromethane	ND	ug/kg	5.0	1	10/01/20 14:22	10/01/20 17:01	75-27-4	
Bromoform	ND	ug/kg	5.0	1	10/01/20 14:22	10/01/20 17:01	75-25-2	
Bromomethane	ND	ug/kg	5.0	1	10/01/20 14:22	10/01/20 17:01	74-83-9	
2-Butanone (MEK)	ND	ug/kg	10.0	1	10/01/20 14:22	10/01/20 17:01	78-93-3	
n-Butylbenzene	ND	ug/kg	5.0	1	10/01/20 14:22	10/01/20 17:01	104-51-8	
sec-Butylbenzene	ND	ug/kg	5.0	1	10/01/20 14:22	10/01/20 17:01	135-98-8	
tert-Butylbenzene	ND	ug/kg	25.0	1	10/01/20 14:22	10/01/20 17:01	98-06-6	
Carbon disulfide	ND	ug/kg	5.0	1	10/01/20 14:22	10/01/20 17:01	75-15-0	
Carbon tetrachloride	ND	ug/kg	5.0	1	10/01/20 14:22	10/01/20 17:01	56-23-5	
Chlorobenzene	ND	ug/kg	5.0	1	10/01/20 14:22	10/01/20 17:01	108-90-7	
Chloroethane	ND	ug/kg	5.0	1	10/01/20 14:22	10/01/20 17:01	75-00-3	
Chloroform	ND	ug/kg	5.0	1	10/01/20 14:22	10/01/20 17:01	67-66-3	
Chloromethane	ND	ug/kg	5.0	1	10/01/20 14:22	10/01/20 17:01	74-87-3	
2-Chlorotoluene	ND	ug/kg	5.0	1	10/01/20 14:22	10/01/20 17:01	95-49-8	
4-Chlorotoluene	ND	ug/kg	5.0	1	10/01/20 14:22	10/01/20 17:01	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/kg	10.0	1	10/01/20 14:22	10/01/20 17:01	96-12-8	
Dibromochloromethane	ND	ug/kg	5.0	1	10/01/20 14:22	10/01/20 17:01	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	5.0	1	10/01/20 14:22	10/01/20 17:01	106-93-4	
Dibromomethane	ND	ug/kg	5.0	1	10/01/20 14:22	10/01/20 17:01	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	5.0	1	10/01/20 14:22	10/01/20 17:01	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	5.0	1	10/01/20 14:22	10/01/20 17:01	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	5.0	1	10/01/20 14:22	10/01/20 17:01	106-46-7	
Dichlorodifluoromethane	ND	ug/kg	5.0	1	10/01/20 14:22	10/01/20 17:01	75-71-8	SS
1,1-Dichloroethane	ND	ug/kg	5.0	1	10/01/20 14:22	10/01/20 17:01	75-34-3	
1,2-Dichloroethane	ND	ug/kg	5.0	1	10/01/20 14:22	10/01/20 17:01	107-06-2	
1,2-Dichloroethene (Total)	ND	ug/kg	5.0	1	10/01/20 14:22	10/01/20 17:01	540-59-0	
1,1-Dichloroethene	ND	ug/kg	5.0	1	10/01/20 14:22	10/01/20 17:01	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	5.0	1	10/01/20 14:22	10/01/20 17:01	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	5.0	1	10/01/20 14:22	10/01/20 17:01	156-60-5	
1,2-Dichloropropane	ND	ug/kg	5.0	1	10/01/20 14:22	10/01/20 17:01	78-87-5	
1,3-Dichloropropane	ND	ug/kg	5.0	1	10/01/20 14:22	10/01/20 17:01	142-28-9	
2,2-Dichloropropane	ND	ug/kg	5.0	1	10/01/20 14:22	10/01/20 17:01	594-20-7	
1,1-Dichloropropene	ND	ug/kg	5.0	1	10/01/20 14:22	10/01/20 17:01	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	5.0	1	10/01/20 14:22	10/01/20 17:01	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	5.0	1	10/01/20 14:22	10/01/20 17:01	10061-02-6	
Ethylbenzene	ND	ug/kg	5.0	1	10/01/20 14:22	10/01/20 17:01	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/kg	5.0	1	10/01/20 14:22	10/01/20 17:01	87-68-3	
2-Hexanone	ND	ug/kg	20.0	1	10/01/20 14:22	10/01/20 17:01	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/kg	5.0	1	10/01/20 14:22	10/01/20 17:01	98-82-8	
p-Isopropyltoluene	ND	ug/kg	5.0	1	10/01/20 14:22	10/01/20 17:01	99-87-6	
Methylene Chloride	ND	ug/kg	5.0	1	10/01/20 14:22	10/01/20 17:01	75-09-2	

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ANALYTICAL RESULTS

Project: PINE LAWN

Pace Project No.: 60349454

Sample: PINE LAWN - SO - TB8 Lab ID: 60349454004 Collected: 09/24/20 08:30 Received: 09/25/20 04:55 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035A VOA		Analytical Method: EPA 8260B Preparation Method: EPA 5035A/5030 Pace Analytical Services - Kansas City						
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	10.0	1	10/01/20 14:22	10/01/20 17:01	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	5.0	1	10/01/20 14:22	10/01/20 17:01	1634-04-4	
Naphthalene	ND	ug/kg	10.0	1	10/01/20 14:22	10/01/20 17:01	91-20-3	
n-Propylbenzene	ND	ug/kg	5.0	1	10/01/20 14:22	10/01/20 17:01	103-65-1	
Styrene	ND	ug/kg	5.0	1	10/01/20 14:22	10/01/20 17:01	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	5.0	1	10/01/20 14:22	10/01/20 17:01	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	5.0	1	10/01/20 14:22	10/01/20 17:01	79-34-5	
Tetrachloroethene	ND	ug/kg	5.0	1	10/01/20 14:22	10/01/20 17:01	127-18-4	
Toluene	8.4	ug/kg	5.0	1	10/01/20 14:22	10/01/20 17:01	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	5.0	1	10/01/20 14:22	10/01/20 17:01	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	5.0	1	10/01/20 14:22	10/01/20 17:01	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	5.0	1	10/01/20 14:22	10/01/20 17:01	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	5.0	1	10/01/20 14:22	10/01/20 17:01	79-00-5	
Trichloroethene	ND	ug/kg	5.0	1	10/01/20 14:22	10/01/20 17:01	79-01-6	
Trichlorofluoromethane	ND	ug/kg	5.0	1	10/01/20 14:22	10/01/20 17:01	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	5.0	1	10/01/20 14:22	10/01/20 17:01	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/kg	5.0	1	10/01/20 14:22	10/01/20 17:01	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	5.0	1	10/01/20 14:22	10/01/20 17:01	108-67-8	
Vinyl chloride	ND	ug/kg	5.0	1	10/01/20 14:22	10/01/20 17:01	75-01-4	
Xylene (Total)	ND	ug/kg	5.0	1	10/01/20 14:22	10/01/20 17:01	1330-20-7	
Surrogates								
Toluene-d8 (S)	103	%	80-120	1	10/01/20 14:22	10/01/20 17:01	2037-26-5	
4-Bromofluorobenzene (S)	99	%	85-115	1	10/01/20 14:22	10/01/20 17:01	460-00-4	
1,2-Dichloroethane-d4 (S)	94	%	78-118	1	10/01/20 14:22	10/01/20 17:01	17060-07-0	

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ANALYTICAL RESULTS

Project: PINE LAWN

Pace Project No.: 60349454

Sample: DPT-23-SO-(24-25) **Lab ID:** 60349454005 **Collected:** 09/24/20 09:44 **Received:** 09/25/20 04:55 **Matrix:** Solid

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

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8082 GCS PCB SW								
Analytical Method: EPA 8082 Preparation Method: EPA 3546								
Pace Analytical Services - Kansas City								
PCB-1016 (Aroclor 1016)	ND	ug/kg	36.6	1	09/30/20 15:02	10/02/20 20:24	12674-11-2	
PCB-1221 (Aroclor 1221)	ND	ug/kg	36.6	1	09/30/20 15:02	10/02/20 20:24	11104-28-2	
PCB-1232 (Aroclor 1232)	ND	ug/kg	36.6	1	09/30/20 15:02	10/02/20 20:24	11141-16-5	
PCB-1242 (Aroclor 1242)	ND	ug/kg	36.6	1	09/30/20 15:02	10/02/20 20:24	53469-21-9	
PCB-1248 (Aroclor 1248)	ND	ug/kg	36.6	1	09/30/20 15:02	10/02/20 20:24	12672-29-6	
PCB-1254 (Aroclor 1254)	ND	ug/kg	36.6	1	09/30/20 15:02	10/02/20 20:24	11097-69-1	
PCB-1260 (Aroclor 1260)	ND	ug/kg	36.6	1	09/30/20 15:02	10/02/20 20:24	11096-82-5	
Surrogates								
Decachlorobiphenyl (S)	89	%	28-143	1	09/30/20 15:02	10/02/20 20:24	2051-24-3	
6010 MET ICP Red. Interference								
Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Pace Analytical Services - Kansas City								
Arsenic	2.2	mg/kg	0.92	1	10/05/20 14:38	10/07/20 10:35	7440-38-2	
Barium	66.7	mg/kg	0.46	1	10/05/20 14:38	10/07/20 10:35	7440-39-3	
Cadmium	ND	mg/kg	0.46	1	10/05/20 14:38	10/07/20 10:35	7440-43-9	
Chromium	30.8	mg/kg	0.46	1	10/05/20 14:38	10/07/20 10:35	7440-47-3	
Lead	4.4	mg/kg	0.92	1	10/05/20 14:38	10/07/20 10:35	7439-92-1	
Selenium	ND	mg/kg	1.4	1	10/05/20 14:38	10/07/20 10:35	7782-49-2	
Silver	ND	mg/kg	0.64	1	10/05/20 14:38	10/07/20 10:35	7440-22-4	
7471 Mercury								
Analytical Method: EPA 7471 Preparation Method: EPA 7471								
Pace Analytical Services - Kansas City								
Mercury	ND	mg/kg	0.052	1	10/05/20 10:25	10/06/20 11:15	7439-97-6	
8270 MSSV Semivolatiles								
Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Pace Analytical Services - Kansas City								
Acenaphthene	ND	ug/kg	349	1	09/30/20 12:08	10/08/20 22:10	83-32-9	
Acenaphthylene	ND	ug/kg	349	1	09/30/20 12:08	10/08/20 22:10	208-96-8	
Anthracene	ND	ug/kg	349	1	09/30/20 12:08	10/08/20 22:10	120-12-7	
Benzo(a)anthracene	ND	ug/kg	349	1	09/30/20 12:08	10/08/20 22:10	56-55-3	
Benzo(a)pyrene	ND	ug/kg	349	1	09/30/20 12:08	10/08/20 22:10	50-32-8	
Benzo(b)fluoranthene	ND	ug/kg	349	1	09/30/20 12:08	10/08/20 22:10	205-99-2	
Benzo(g,h,i)perylene	ND	ug/kg	349	1	09/30/20 12:08	10/08/20 22:10	191-24-2	
Benzo(k)fluoranthene	ND	ug/kg	349	1	09/30/20 12:08	10/08/20 22:10	207-08-9	
Benzoic Acid	ND	ug/kg	1770	1	09/30/20 12:08	10/08/20 22:10	65-85-0	
Benzyl alcohol	ND	ug/kg	699	1	09/30/20 12:08	10/08/20 22:10	100-51-6	
4-Bromophenylphenyl ether	ND	ug/kg	349	1	09/30/20 12:08	10/08/20 22:10	101-55-3	
Butylbenzylphthalate	ND	ug/kg	349	1	09/30/20 12:08	10/08/20 22:10	85-68-7	
Carbazole	ND	ug/kg	349	1	09/30/20 12:08	10/08/20 22:10	86-74-8	
4-Chloro-3-methylphenol	ND	ug/kg	699	1	09/30/20 12:08	10/08/20 22:10	59-50-7	
4-Chloroaniline	ND	ug/kg	699	1	09/30/20 12:08	10/08/20 22:10	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/kg	349	1	09/30/20 12:08	10/08/20 22:10	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/kg	349	1	09/30/20 12:08	10/08/20 22:10	111-44-4	
bis(2-Chloroisopropyl) ether	ND	ug/kg	349	1	09/30/20 12:08	10/08/20 22:10	108-60-1	
2-Chloronaphthalene	ND	ug/kg	349	1	09/30/20 12:08	10/08/20 22:10	91-58-7	

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ANALYTICAL RESULTS

Project: PINE LAWN

Pace Project No.: 60349454

Sample: DPT-23-SO-(24-25) Lab ID: 60349454005 Collected: 09/24/20 09:44 Received: 09/25/20 04:55 Matrix: Solid

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

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Semivolatiles		Analytical Method: EPA 8270 Preparation Method: EPA 3546 Pace Analytical Services - Kansas City						
2-Chlorophenol	ND	ug/kg	349	1	09/30/20 12:08	10/08/20 22:10	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/kg	349	1	09/30/20 12:08	10/08/20 22:10	7005-72-3	
Chrysene	ND	ug/kg	349	1	09/30/20 12:08	10/08/20 22:10	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	349	1	09/30/20 12:08	10/08/20 22:10	53-70-3	
Dibenzofuran	ND	ug/kg	349	1	09/30/20 12:08	10/08/20 22:10	132-64-9	
1,2-Dichlorobenzene	ND	ug/kg	349	1	09/30/20 12:08	10/08/20 22:10	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	349	1	09/30/20 12:08	10/08/20 22:10	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	349	1	09/30/20 12:08	10/08/20 22:10	106-46-7	
3,3'-Dichlorobenzidine	ND	ug/kg	699	1	09/30/20 12:08	10/08/20 22:10	91-94-1	
2,4-Dichlorophenol	ND	ug/kg	349	1	09/30/20 12:08	10/08/20 22:10	120-83-2	
Diethylphthalate	ND	ug/kg	349	1	09/30/20 12:08	10/08/20 22:10	84-66-2	
2,4-Dimethylphenol	ND	ug/kg	349	1	09/30/20 12:08	10/08/20 22:10	105-67-9	
Dimethylphthalate	ND	ug/kg	349	1	09/30/20 12:08	10/08/20 22:10	131-11-3	
Di-n-butylphthalate	ND	ug/kg	349	1	09/30/20 12:08	10/08/20 22:10	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/kg	1770	1	09/30/20 12:08	10/08/20 22:10	534-52-1	
2,4-Dinitrophenol	ND	ug/kg	1770	1	09/30/20 12:08	10/08/20 22:10	51-28-5	
2,4-Dinitrotoluene	ND	ug/kg	349	1	09/30/20 12:08	10/08/20 22:10	121-14-2	
2,6-Dinitrotoluene	ND	ug/kg	349	1	09/30/20 12:08	10/08/20 22:10	606-20-2	
Di-n-octylphthalate	ND	ug/kg	349	1	09/30/20 12:08	10/08/20 22:10	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/kg	349	1	09/30/20 12:08	10/08/20 22:10	117-81-7	
Fluoranthene	ND	ug/kg	349	1	09/30/20 12:08	10/08/20 22:10	206-44-0	
Fluorene	ND	ug/kg	349	1	09/30/20 12:08	10/08/20 22:10	86-73-7	
Hexachloro-1,3-butadiene	ND	ug/kg	349	1	09/30/20 12:08	10/08/20 22:10	87-68-3	
Hexachlorobenzene	ND	ug/kg	349	1	09/30/20 12:08	10/08/20 22:10	118-74-1	
Hexachlorocyclopentadiene	ND	ug/kg	349	1	09/30/20 12:08	10/08/20 22:10	77-47-4	
Hexachloroethane	ND	ug/kg	349	1	09/30/20 12:08	10/08/20 22:10	67-72-1	
Indeno(1,2,3-cd)pyrene	ND	ug/kg	349	1	09/30/20 12:08	10/08/20 22:10	193-39-5	
Isophorone	ND	ug/kg	349	1	09/30/20 12:08	10/08/20 22:10	78-59-1	
2-Methylnaphthalene	ND	ug/kg	349	1	09/30/20 12:08	10/08/20 22:10	91-57-6	
2-Methylphenol(o-Cresol)	ND	ug/kg	349	1	09/30/20 12:08	10/08/20 22:10	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/kg	349	1	09/30/20 12:08	10/08/20 22:10	15831-10-4	
Naphthalene	ND	ug/kg	349	1	09/30/20 12:08	10/08/20 22:10	91-20-3	
2-Nitroaniline	ND	ug/kg	699	1	09/30/20 12:08	10/08/20 22:10	88-74-4	
3-Nitroaniline	ND	ug/kg	699	1	09/30/20 12:08	10/08/20 22:10	99-09-2	
4-Nitroaniline	ND	ug/kg	699	1	09/30/20 12:08	10/08/20 22:10	100-01-6	
Nitrobenzene	ND	ug/kg	349	1	09/30/20 12:08	10/08/20 22:10	98-95-3	
2-Nitrophenol	ND	ug/kg	349	1	09/30/20 12:08	10/08/20 22:10	88-75-5	
4-Nitrophenol	ND	ug/kg	1770	1	09/30/20 12:08	10/08/20 22:10	100-02-7	
N-Nitroso-di-n-propylamine	ND	ug/kg	349	1	09/30/20 12:08	10/08/20 22:10	621-64-7	
N-Nitrosodiphenylamine	ND	ug/kg	349	1	09/30/20 12:08	10/08/20 22:10	86-30-6	
Pentachlorophenol	ND	ug/kg	1770	1	09/30/20 12:08	10/08/20 22:10	87-86-5	
Phenanthrene	ND	ug/kg	349	1	09/30/20 12:08	10/08/20 22:10	85-01-8	
Phenol	ND	ug/kg	349	1	09/30/20 12:08	10/08/20 22:10	108-95-2	
Pyrene	ND	ug/kg	349	1	09/30/20 12:08	10/08/20 22:10	129-00-0	
Pyridine	ND	ug/kg	349	1	09/30/20 12:08	10/08/20 22:10	110-86-1	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: PINE LAWN

Pace Project No.: 60349454

Sample: DPT-23-SO-(24-25) Lab ID: 60349454005 Collected: 09/24/20 09:44 Received: 09/25/20 04:55 Matrix: Solid

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

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Semivolatiles								
Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Pace Analytical Services - Kansas City								
1,2,4-Trichlorobenzene	ND	ug/kg	349	1	09/30/20 12:08	10/08/20 22:10	120-82-1	
2,4,5-Trichlorophenol	ND	ug/kg	349	1	09/30/20 12:08	10/08/20 22:10	95-95-4	
2,4,6-Trichlorophenol	ND	ug/kg	349	1	09/30/20 12:08	10/08/20 22:10	88-06-2	
Surrogates								
Nitrobenzene-d5 (S)	69	%	33-132	1	09/30/20 12:08	10/08/20 22:10	4165-60-0	
2-Fluorobiphenyl (S)	72	%	39-136	1	09/30/20 12:08	10/08/20 22:10	321-60-8	
Terphenyl-d14 (S)	81	%	29-131	1	09/30/20 12:08	10/08/20 22:10	1718-51-0	
Phenol-d6 (S)	67	%	43-95	1	09/30/20 12:08	10/08/20 22:10	13127-88-3	
2-Fluorophenol (S)	66	%	43-96	1	09/30/20 12:08	10/08/20 22:10	367-12-4	
2,4,6-Tribromophenol (S)	73	%	41-108	1	09/30/20 12:08	10/08/20 22:10	118-79-6	
8270 MSSV DRO/ORO								
Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Pace Analytical Services - Kansas City								
TPH-ORO	ND	mg/kg	40.8	1	10/02/20 15:13	10/07/20 22:25		
TPH-DRO	ND	mg/kg	40.8	1	10/02/20 15:13	10/07/20 22:25		
Surrogates								
Nitrobenzene-d5 (S)	78	%	33-132	1	10/02/20 15:13	10/07/20 22:25	4165-60-0	
2-Fluorobiphenyl (S)	83	%	39-136	1	10/02/20 15:13	10/07/20 22:25	321-60-8	
Terphenyl-d14 (S)	89	%	29-131	1	10/02/20 15:13	10/07/20 22:25	1718-51-0	
8260 MSV 5035A VOA								
Analytical Method: EPA 8260B Preparation Method: EPA 5035A/5030								
Pace Analytical Services - Kansas City								
Acetone	ND	ug/kg	14.0	1	10/01/20 09:39	10/01/20 13:40	67-64-1	
Benzene	ND	ug/kg	3.5	1	10/01/20 09:39	10/01/20 13:40	71-43-2	
Bromobenzene	ND	ug/kg	3.5	1	10/01/20 09:39	10/01/20 13:40	108-86-1	
Bromochloromethane	ND	ug/kg	3.5	1	10/01/20 09:39	10/01/20 13:40	74-97-5	
Bromodichloromethane	ND	ug/kg	3.5	1	10/01/20 09:39	10/01/20 13:40	75-27-4	
Bromoform	ND	ug/kg	3.5	1	10/01/20 09:39	10/01/20 13:40	75-25-2	
Bromomethane	ND	ug/kg	3.5	1	10/01/20 09:39	10/01/20 13:40	74-83-9	
2-Butanone (MEK)	ND	ug/kg	7.0	1	10/01/20 09:39	10/01/20 13:40	78-93-3	
n-Butylbenzene	ND	ug/kg	3.5	1	10/01/20 09:39	10/01/20 13:40	104-51-8	
sec-Butylbenzene	ND	ug/kg	3.5	1	10/01/20 09:39	10/01/20 13:40	135-98-8	
tert-Butylbenzene	ND	ug/kg	17.5	1	10/01/20 09:39	10/01/20 13:40	98-06-6	
Carbon disulfide	ND	ug/kg	3.5	1	10/01/20 09:39	10/01/20 13:40	75-15-0	
Carbon tetrachloride	ND	ug/kg	3.5	1	10/01/20 09:39	10/01/20 13:40	56-23-5	
Chlorobenzene	ND	ug/kg	3.5	1	10/01/20 09:39	10/01/20 13:40	108-90-7	
Chloroethane	ND	ug/kg	3.5	1	10/01/20 09:39	10/01/20 13:40	75-00-3	
Chloroform	ND	ug/kg	3.5	1	10/01/20 09:39	10/01/20 13:40	67-66-3	
Chloromethane	ND	ug/kg	3.5	1	10/01/20 09:39	10/01/20 13:40	74-87-3	
2-Chlorotoluene	ND	ug/kg	3.5	1	10/01/20 09:39	10/01/20 13:40	95-49-8	
4-Chlorotoluene	ND	ug/kg	3.5	1	10/01/20 09:39	10/01/20 13:40	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/kg	7.0	1	10/01/20 09:39	10/01/20 13:40	96-12-8	
Dibromochloromethane	ND	ug/kg	3.5	1	10/01/20 09:39	10/01/20 13:40	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	3.5	1	10/01/20 09:39	10/01/20 13:40	106-93-4	
Dibromomethane	ND	ug/kg	3.5	1	10/01/20 09:39	10/01/20 13:40	74-95-3	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: PINE LAWN

Pace Project No.: 60349454

Sample: DPT-23-SO-(24-25) **Lab ID:** 60349454005 **Collected:** 09/24/20 09:44 **Received:** 09/25/20 04:55 **Matrix:** Solid

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

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035A VOA								
Analytical Method: EPA 8260B Preparation Method: EPA 5035A/5030								
Pace Analytical Services - Kansas City								
1,2-Dichlorobenzene	ND	ug/kg	3.5	1	10/01/20 09:39	10/01/20 13:40	95-50-1	SS
1,3-Dichlorobenzene	ND	ug/kg	3.5	1	10/01/20 09:39	10/01/20 13:40	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	3.5	1	10/01/20 09:39	10/01/20 13:40	106-46-7	
Dichlorodifluoromethane	ND	ug/kg	3.5	1	10/01/20 09:39	10/01/20 13:40	75-71-8	
1,1-Dichloroethane	ND	ug/kg	3.5	1	10/01/20 09:39	10/01/20 13:40	75-34-3	
1,2-Dichloroethane	ND	ug/kg	3.5	1	10/01/20 09:39	10/01/20 13:40	107-06-2	
1,2-Dichloroethene (Total)	ND	ug/kg	3.5	1	10/01/20 09:39	10/01/20 13:40	540-59-0	
1,1-Dichloroethene	ND	ug/kg	3.5	1	10/01/20 09:39	10/01/20 13:40	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	3.5	1	10/01/20 09:39	10/01/20 13:40	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	3.5	1	10/01/20 09:39	10/01/20 13:40	156-60-5	
1,2-Dichloropropane	ND	ug/kg	3.5	1	10/01/20 09:39	10/01/20 13:40	78-87-5	
1,3-Dichloropropane	ND	ug/kg	3.5	1	10/01/20 09:39	10/01/20 13:40	142-28-9	
2,2-Dichloropropane	ND	ug/kg	3.5	1	10/01/20 09:39	10/01/20 13:40	594-20-7	
1,1-Dichloropropene	ND	ug/kg	3.5	1	10/01/20 09:39	10/01/20 13:40	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	3.5	1	10/01/20 09:39	10/01/20 13:40	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	3.5	1	10/01/20 09:39	10/01/20 13:40	10061-02-6	
Ethylbenzene	ND	ug/kg	3.5	1	10/01/20 09:39	10/01/20 13:40	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/kg	3.5	1	10/01/20 09:39	10/01/20 13:40	87-68-3	
2-Hexanone	ND	ug/kg	14.0	1	10/01/20 09:39	10/01/20 13:40	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/kg	3.5	1	10/01/20 09:39	10/01/20 13:40	98-82-8	
p-Isopropyltoluene	ND	ug/kg	3.5	1	10/01/20 09:39	10/01/20 13:40	99-87-6	
Methylene Chloride	ND	ug/kg	3.5	1	10/01/20 09:39	10/01/20 13:40	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	7.0	1	10/01/20 09:39	10/01/20 13:40	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	3.5	1	10/01/20 09:39	10/01/20 13:40	1634-04-4	
Naphthalene	ND	ug/kg	7.0	1	10/01/20 09:39	10/01/20 13:40	91-20-3	
n-Propylbenzene	ND	ug/kg	3.5	1	10/01/20 09:39	10/01/20 13:40	103-65-1	
Styrene	ND	ug/kg	3.5	1	10/01/20 09:39	10/01/20 13:40	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	3.5	1	10/01/20 09:39	10/01/20 13:40	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	3.5	1	10/01/20 09:39	10/01/20 13:40	79-34-5	
Tetrachloroethene	ND	ug/kg	3.5	1	10/01/20 09:39	10/01/20 13:40	127-18-4	
Toluene	ND	ug/kg	3.5	1	10/01/20 09:39	10/01/20 13:40	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	3.5	1	10/01/20 09:39	10/01/20 13:40	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	3.5	1	10/01/20 09:39	10/01/20 13:40	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	3.5	1	10/01/20 09:39	10/01/20 13:40	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	3.5	1	10/01/20 09:39	10/01/20 13:40	79-00-5	
Trichloroethene	ND	ug/kg	3.5	1	10/01/20 09:39	10/01/20 13:40	79-01-6	
Trichlorofluoromethane	ND	ug/kg	3.5	1	10/01/20 09:39	10/01/20 13:40	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	3.5	1	10/01/20 09:39	10/01/20 13:40	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/kg	3.5	1	10/01/20 09:39	10/01/20 13:40	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	3.5	1	10/01/20 09:39	10/01/20 13:40	108-67-8	
Vinyl chloride	ND	ug/kg	3.5	1	10/01/20 09:39	10/01/20 13:40	75-01-4	
Xylene (Total)	ND	ug/kg	3.5	1	10/01/20 09:39	10/01/20 13:40	1330-20-7	
Surrogates								
Toluene-d8 (S)	100	%	80-120	1	10/01/20 09:39	10/01/20 13:40	2037-26-5	
4-Bromofluorobenzene (S)	96	%	85-115	1	10/01/20 09:39	10/01/20 13:40	460-00-4	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: PINE LAWN

Pace Project No.: 60349454

Sample: DPT-23-SO-(24-25) **Lab ID:** 60349454005 Collected: 09/24/20 09:44 Received: 09/25/20 04:55 Matrix: Solid

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

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035A VOA								
Analytical Method: EPA 8260B Preparation Method: EPA 5035A/5030								
Pace Analytical Services - Kansas City								
Surrogates								
1,2-Dichloroethane-d4 (S)	107	%	78-118	1	10/01/20 09:39	10/01/20 13:40	17060-07-0	
8260 MSV GRO and Oxygenates								
Analytical Method: EPA 8260 Preparation Method: EPA 5035								
Pace Analytical Services - Kansas City								
TPH-GRO	ND	mg/kg	0.35	1	10/01/20 09:39	10/01/20 13:40		
Surrogates								
Toluene-d8 (S)	100	%	78-122	1	10/01/20 09:39	10/01/20 13:40	2037-26-5	
4-Bromofluorobenzene (S)	96	%	69-133	1	10/01/20 09:39	10/01/20 13:40	460-00-4	
1,2-Dichloroethane-d4 (S)	107	%	80-123	1	10/01/20 09:39	10/01/20 13:40	17060-07-0	
Percent Moisture								
Analytical Method: ASTM D2974								
Pace Analytical Services - Kansas City								
Percent Moisture	10.5	%	0.50	1		09/29/20 14:17		

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ANALYTICAL RESULTS

Project: PINE LAWN

Pace Project No.: 60349454

Sample: DPT-24-SO-(24-25) **Lab ID:** 60349454006 **Collected:** 09/24/20 10:35 **Received:** 09/25/20 04:55 **Matrix:** Solid

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

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8082 GCS PCB SW								
Analytical Method: EPA 8082 Preparation Method: EPA 3546								
Pace Analytical Services - Kansas City								
PCB-1016 (Aroclor 1016)	ND	ug/kg	36.0	1	10/01/20 16:31	10/02/20 22:29	12674-11-2	
PCB-1221 (Aroclor 1221)	ND	ug/kg	36.0	1	10/01/20 16:31	10/02/20 22:29	11104-28-2	
PCB-1232 (Aroclor 1232)	ND	ug/kg	36.0	1	10/01/20 16:31	10/02/20 22:29	11141-16-5	
PCB-1242 (Aroclor 1242)	ND	ug/kg	36.0	1	10/01/20 16:31	10/02/20 22:29	53469-21-9	
PCB-1248 (Aroclor 1248)	ND	ug/kg	36.0	1	10/01/20 16:31	10/02/20 22:29	12672-29-6	
PCB-1254 (Aroclor 1254)	ND	ug/kg	36.0	1	10/01/20 16:31	10/02/20 22:29	11097-69-1	
PCB-1260 (Aroclor 1260)	ND	ug/kg	36.0	1	10/01/20 16:31	10/02/20 22:29	11096-82-5	
PCB, Total	ND	ug/kg	36.0	1	10/01/20 16:31	10/02/20 22:29	1336-36-3	
Surrogates								
Decachlorobiphenyl (S)	86	%	28-143	1	10/01/20 16:31	10/02/20 22:29	2051-24-3	
6010 MET ICP Red. Interference								
Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Pace Analytical Services - Kansas City								
Arsenic	1.8	mg/kg	1.0	1	10/05/20 14:38	10/07/20 10:38	7440-38-2	
Barium	92.5	mg/kg	0.51	1	10/05/20 14:38	10/07/20 10:38	7440-39-3	
Cadmium	ND	mg/kg	0.51	1	10/05/20 14:38	10/07/20 10:38	7440-43-9	
Chromium	32.3	mg/kg	0.51	1	10/05/20 14:38	10/07/20 10:38	7440-47-3	
Lead	11.9	mg/kg	1.0	1	10/05/20 14:38	10/07/20 10:38	7439-92-1	
Selenium	ND	mg/kg	1.5	1	10/05/20 14:38	10/07/20 10:38	7782-49-2	
Silver	ND	mg/kg	0.71	1	10/05/20 14:38	10/07/20 10:38	7440-22-4	
7471 Mercury								
Analytical Method: EPA 7471 Preparation Method: EPA 7471								
Pace Analytical Services - Kansas City								
Mercury	ND	mg/kg	0.054	1	10/05/20 10:25	10/06/20 11:17	7439-97-6	
8270 MSSV Semivolatiles								
Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Pace Analytical Services - Kansas City								
Acenaphthene	ND	ug/kg	364	1	09/30/20 12:08	10/08/20 22:32	83-32-9	
Acenaphthylene	ND	ug/kg	364	1	09/30/20 12:08	10/08/20 22:32	208-96-8	
Anthracene	ND	ug/kg	364	1	09/30/20 12:08	10/08/20 22:32	120-12-7	
Benzo(a)anthracene	ND	ug/kg	364	1	09/30/20 12:08	10/08/20 22:32	56-55-3	
Benzo(a)pyrene	ND	ug/kg	364	1	09/30/20 12:08	10/08/20 22:32	50-32-8	
Benzo(b)fluoranthene	ND	ug/kg	364	1	09/30/20 12:08	10/08/20 22:32	205-99-2	
Benzo(g,h,i)perylene	ND	ug/kg	364	1	09/30/20 12:08	10/08/20 22:32	191-24-2	
Benzo(k)fluoranthene	ND	ug/kg	364	1	09/30/20 12:08	10/08/20 22:32	207-08-9	
Benzoic Acid	ND	ug/kg	1840	1	09/30/20 12:08	10/08/20 22:32	65-85-0	
Benzyl alcohol	ND	ug/kg	727	1	09/30/20 12:08	10/08/20 22:32	100-51-6	
4-Bromophenylphenyl ether	ND	ug/kg	364	1	09/30/20 12:08	10/08/20 22:32	101-55-3	
Butylbenzylphthalate	ND	ug/kg	364	1	09/30/20 12:08	10/08/20 22:32	85-68-7	
Carbazole	ND	ug/kg	364	1	09/30/20 12:08	10/08/20 22:32	86-74-8	
4-Chloro-3-methylphenol	ND	ug/kg	727	1	09/30/20 12:08	10/08/20 22:32	59-50-7	
4-Chloroaniline	ND	ug/kg	727	1	09/30/20 12:08	10/08/20 22:32	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/kg	364	1	09/30/20 12:08	10/08/20 22:32	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/kg	364	1	09/30/20 12:08	10/08/20 22:32	111-44-4	
bis(2-Chloroisopropyl) ether	ND	ug/kg	364	1	09/30/20 12:08	10/08/20 22:32	108-60-1	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: PINE LAWN

Pace Project No.: 60349454

Sample: DPT-24-SO-(24-25) Lab ID: 60349454006 Collected: 09/24/20 10:35 Received: 09/25/20 04:55 Matrix: Solid

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

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Semivolatiles		Analytical Method: EPA 8270 Preparation Method: EPA 3546 Pace Analytical Services - Kansas City						
2-Chloronaphthalene	ND	ug/kg	364	1	09/30/20 12:08	10/08/20 22:32	91-58-7	
2-Chlorophenol	ND	ug/kg	364	1	09/30/20 12:08	10/08/20 22:32	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/kg	364	1	09/30/20 12:08	10/08/20 22:32	7005-72-3	
Chrysene	ND	ug/kg	364	1	09/30/20 12:08	10/08/20 22:32	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	364	1	09/30/20 12:08	10/08/20 22:32	53-70-3	
Dibenzofuran	ND	ug/kg	364	1	09/30/20 12:08	10/08/20 22:32	132-64-9	
1,2-Dichlorobenzene	ND	ug/kg	364	1	09/30/20 12:08	10/08/20 22:32	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	364	1	09/30/20 12:08	10/08/20 22:32	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	364	1	09/30/20 12:08	10/08/20 22:32	106-46-7	
3,3'-Dichlorobenzidine	ND	ug/kg	727	1	09/30/20 12:08	10/08/20 22:32	91-94-1	
2,4-Dichlorophenol	ND	ug/kg	364	1	09/30/20 12:08	10/08/20 22:32	120-83-2	
Diethylphthalate	ND	ug/kg	364	1	09/30/20 12:08	10/08/20 22:32	84-66-2	
2,4-Dimethylphenol	ND	ug/kg	364	1	09/30/20 12:08	10/08/20 22:32	105-67-9	
Dimethylphthalate	ND	ug/kg	364	1	09/30/20 12:08	10/08/20 22:32	131-11-3	
Di-n-butylphthalate	ND	ug/kg	364	1	09/30/20 12:08	10/08/20 22:32	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/kg	1840	1	09/30/20 12:08	10/08/20 22:32	534-52-1	
2,4-Dinitrophenol	ND	ug/kg	1840	1	09/30/20 12:08	10/08/20 22:32	51-28-5	
2,4-Dinitrotoluene	ND	ug/kg	364	1	09/30/20 12:08	10/08/20 22:32	121-14-2	
2,6-Dinitrotoluene	ND	ug/kg	364	1	09/30/20 12:08	10/08/20 22:32	606-20-2	
Di-n-octylphthalate	ND	ug/kg	364	1	09/30/20 12:08	10/08/20 22:32	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/kg	364	1	09/30/20 12:08	10/08/20 22:32	117-81-7	
Fluoranthene	ND	ug/kg	364	1	09/30/20 12:08	10/08/20 22:32	206-44-0	
Fluorene	ND	ug/kg	364	1	09/30/20 12:08	10/08/20 22:32	86-73-7	
Hexachloro-1,3-butadiene	ND	ug/kg	364	1	09/30/20 12:08	10/08/20 22:32	87-68-3	
Hexachlorobenzene	ND	ug/kg	364	1	09/30/20 12:08	10/08/20 22:32	118-74-1	
Hexachlorocyclopentadiene	ND	ug/kg	364	1	09/30/20 12:08	10/08/20 22:32	77-47-4	
Hexachloroethane	ND	ug/kg	364	1	09/30/20 12:08	10/08/20 22:32	67-72-1	
Indeno(1,2,3-cd)pyrene	ND	ug/kg	364	1	09/30/20 12:08	10/08/20 22:32	193-39-5	
Isophorone	ND	ug/kg	364	1	09/30/20 12:08	10/08/20 22:32	78-59-1	
2-Methylnaphthalene	ND	ug/kg	364	1	09/30/20 12:08	10/08/20 22:32	91-57-6	
2-Methylphenol(o-Cresol)	ND	ug/kg	364	1	09/30/20 12:08	10/08/20 22:32	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/kg	364	1	09/30/20 12:08	10/08/20 22:32	15831-10-4	
Naphthalene	ND	ug/kg	364	1	09/30/20 12:08	10/08/20 22:32	91-20-3	
2-Nitroaniline	ND	ug/kg	727	1	09/30/20 12:08	10/08/20 22:32	88-74-4	
3-Nitroaniline	ND	ug/kg	727	1	09/30/20 12:08	10/08/20 22:32	99-09-2	
4-Nitroaniline	ND	ug/kg	727	1	09/30/20 12:08	10/08/20 22:32	100-01-6	
Nitrobenzene	ND	ug/kg	364	1	09/30/20 12:08	10/08/20 22:32	98-95-3	
2-Nitrophenol	ND	ug/kg	364	1	09/30/20 12:08	10/08/20 22:32	88-75-5	
4-Nitrophenol	ND	ug/kg	1840	1	09/30/20 12:08	10/08/20 22:32	100-02-7	
N-Nitroso-di-n-propylamine	ND	ug/kg	364	1	09/30/20 12:08	10/08/20 22:32	621-64-7	
N-Nitrosodiphenylamine	ND	ug/kg	364	1	09/30/20 12:08	10/08/20 22:32	86-30-6	
Pentachlorophenol	ND	ug/kg	1840	1	09/30/20 12:08	10/08/20 22:32	87-86-5	
Phenanthrene	ND	ug/kg	364	1	09/30/20 12:08	10/08/20 22:32	85-01-8	
Phenol	ND	ug/kg	364	1	09/30/20 12:08	10/08/20 22:32	108-95-2	
Pyrene	ND	ug/kg	364	1	09/30/20 12:08	10/08/20 22:32	129-00-0	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: PINE LAWN

Pace Project No.: 60349454

Sample: DPT-24-SO-(24-25) Lab ID: 60349454006 Collected: 09/24/20 10:35 Received: 09/25/20 04:55 Matrix: Solid

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

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Semivolatiles								
Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Pace Analytical Services - Kansas City								
Pyridine	ND	ug/kg	364	1	09/30/20 12:08	10/08/20 22:32	110-86-1	
1,2,4-Trichlorobenzene	ND	ug/kg	364	1	09/30/20 12:08	10/08/20 22:32	120-82-1	
2,4,5-Trichlorophenol	ND	ug/kg	364	1	09/30/20 12:08	10/08/20 22:32	95-95-4	
2,4,6-Trichlorophenol	ND	ug/kg	364	1	09/30/20 12:08	10/08/20 22:32	88-06-2	
Surrogates								
Nitrobenzene-d5 (S)	68	%	33-132	1	09/30/20 12:08	10/08/20 22:32	4165-60-0	
2-Fluorobiphenyl (S)	71	%	39-136	1	09/30/20 12:08	10/08/20 22:32	321-60-8	
Terphenyl-d14 (S)	80	%	29-131	1	09/30/20 12:08	10/08/20 22:32	1718-51-0	
Phenol-d6 (S)	66	%	43-95	1	09/30/20 12:08	10/08/20 22:32	13127-88-3	
2-Fluorophenol (S)	64	%	43-96	1	09/30/20 12:08	10/08/20 22:32	367-12-4	
2,4,6-Tribromophenol (S)	72	%	41-108	1	09/30/20 12:08	10/08/20 22:32	118-79-6	
8270 MSSV DRO/ORO								
Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Pace Analytical Services - Kansas City								
TPH-ORO	ND	mg/kg	16.6	1	10/02/20 15:13	10/07/20 22:45		
TPH-DRO	ND	mg/kg	16.6	1	10/02/20 15:13	10/07/20 22:45		
Surrogates								
Nitrobenzene-d5 (S)	71	%	33-132	1	10/02/20 15:13	10/07/20 22:45	4165-60-0	
2-Fluorobiphenyl (S)	77	%	39-136	1	10/02/20 15:13	10/07/20 22:45	321-60-8	
Terphenyl-d14 (S)	82	%	29-131	1	10/02/20 15:13	10/07/20 22:45	1718-51-0	
8260 MSV 5035A VOA								
Analytical Method: EPA 8260B Preparation Method: EPA 5035A/5030								
Pace Analytical Services - Kansas City								
Acetone	ND	ug/kg	12.1	1	10/01/20 09:39	10/01/20 13:55	67-64-1	
Benzene	ND	ug/kg	3.0	1	10/01/20 09:39	10/01/20 13:55	71-43-2	
Bromobenzene	ND	ug/kg	3.0	1	10/01/20 09:39	10/01/20 13:55	108-86-1	
Bromochloromethane	ND	ug/kg	3.0	1	10/01/20 09:39	10/01/20 13:55	74-97-5	
Bromodichloromethane	ND	ug/kg	3.0	1	10/01/20 09:39	10/01/20 13:55	75-27-4	
Bromoform	ND	ug/kg	3.0	1	10/01/20 09:39	10/01/20 13:55	75-25-2	
Bromomethane	ND	ug/kg	3.0	1	10/01/20 09:39	10/01/20 13:55	74-83-9	
2-Butanone (MEK)	ND	ug/kg	6.0	1	10/01/20 09:39	10/01/20 13:55	78-93-3	
n-Butylbenzene	ND	ug/kg	3.0	1	10/01/20 09:39	10/01/20 13:55	104-51-8	
sec-Butylbenzene	ND	ug/kg	3.0	1	10/01/20 09:39	10/01/20 13:55	135-98-8	
tert-Butylbenzene	ND	ug/kg	15.1	1	10/01/20 09:39	10/01/20 13:55	98-06-6	
Carbon disulfide	ND	ug/kg	3.0	1	10/01/20 09:39	10/01/20 13:55	75-15-0	
Carbon tetrachloride	ND	ug/kg	3.0	1	10/01/20 09:39	10/01/20 13:55	56-23-5	
Chlorobenzene	ND	ug/kg	3.0	1	10/01/20 09:39	10/01/20 13:55	108-90-7	
Chloroethane	ND	ug/kg	3.0	1	10/01/20 09:39	10/01/20 13:55	75-00-3	
Chloroform	ND	ug/kg	3.0	1	10/01/20 09:39	10/01/20 13:55	67-66-3	
Chloromethane	ND	ug/kg	3.0	1	10/01/20 09:39	10/01/20 13:55	74-87-3	
2-Chlorotoluene	ND	ug/kg	3.0	1	10/01/20 09:39	10/01/20 13:55	95-49-8	
4-Chlorotoluene	ND	ug/kg	3.0	1	10/01/20 09:39	10/01/20 13:55	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/kg	6.0	1	10/01/20 09:39	10/01/20 13:55	96-12-8	
Dibromochloromethane	ND	ug/kg	3.0	1	10/01/20 09:39	10/01/20 13:55	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	3.0	1	10/01/20 09:39	10/01/20 13:55	106-93-4	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: PINE LAWN

Pace Project No.: 60349454

Sample: DPT-24-SO-(24-25) **Lab ID:** 60349454006 **Collected:** 09/24/20 10:35 **Received:** 09/25/20 04:55 **Matrix:** Solid

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

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035A VOA		Analytical Method: EPA 8260B Preparation Method: EPA 5035A/5030 Pace Analytical Services - Kansas City						
Dibromomethane	ND	ug/kg	3.0	1	10/01/20 09:39	10/01/20 13:55	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	3.0	1	10/01/20 09:39	10/01/20 13:55	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	3.0	1	10/01/20 09:39	10/01/20 13:55	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	3.0	1	10/01/20 09:39	10/01/20 13:55	106-46-7	
Dichlorodifluoromethane	ND	ug/kg	3.0	1	10/01/20 09:39	10/01/20 13:55	75-71-8	SS
1,1-Dichloroethane	ND	ug/kg	3.0	1	10/01/20 09:39	10/01/20 13:55	75-34-3	
1,2-Dichloroethane	ND	ug/kg	3.0	1	10/01/20 09:39	10/01/20 13:55	107-06-2	
1,2-Dichloroethene (Total)	ND	ug/kg	3.0	1	10/01/20 09:39	10/01/20 13:55	540-59-0	
1,1-Dichloroethene	ND	ug/kg	3.0	1	10/01/20 09:39	10/01/20 13:55	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	3.0	1	10/01/20 09:39	10/01/20 13:55	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	3.0	1	10/01/20 09:39	10/01/20 13:55	156-60-5	
1,2-Dichloropropane	ND	ug/kg	3.0	1	10/01/20 09:39	10/01/20 13:55	78-87-5	
1,3-Dichloropropane	ND	ug/kg	3.0	1	10/01/20 09:39	10/01/20 13:55	142-28-9	
2,2-Dichloropropane	ND	ug/kg	3.0	1	10/01/20 09:39	10/01/20 13:55	594-20-7	
1,1-Dichloropropene	ND	ug/kg	3.0	1	10/01/20 09:39	10/01/20 13:55	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	3.0	1	10/01/20 09:39	10/01/20 13:55	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	3.0	1	10/01/20 09:39	10/01/20 13:55	10061-02-6	
Ethylbenzene	ND	ug/kg	3.0	1	10/01/20 09:39	10/01/20 13:55	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/kg	3.0	1	10/01/20 09:39	10/01/20 13:55	87-68-3	
2-Hexanone	ND	ug/kg	12.1	1	10/01/20 09:39	10/01/20 13:55	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/kg	3.0	1	10/01/20 09:39	10/01/20 13:55	98-82-8	
p-Isopropyltoluene	ND	ug/kg	3.0	1	10/01/20 09:39	10/01/20 13:55	99-87-6	
Methylene Chloride	ND	ug/kg	3.0	1	10/01/20 09:39	10/01/20 13:55	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	6.0	1	10/01/20 09:39	10/01/20 13:55	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	3.0	1	10/01/20 09:39	10/01/20 13:55	1634-04-4	
Naphthalene	ND	ug/kg	6.0	1	10/01/20 09:39	10/01/20 13:55	91-20-3	
n-Propylbenzene	ND	ug/kg	3.0	1	10/01/20 09:39	10/01/20 13:55	103-65-1	
Styrene	ND	ug/kg	3.0	1	10/01/20 09:39	10/01/20 13:55	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	3.0	1	10/01/20 09:39	10/01/20 13:55	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	3.0	1	10/01/20 09:39	10/01/20 13:55	79-34-5	
Tetrachloroethene	ND	ug/kg	3.0	1	10/01/20 09:39	10/01/20 13:55	127-18-4	
Toluene	ND	ug/kg	3.0	1	10/01/20 09:39	10/01/20 13:55	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	3.0	1	10/01/20 09:39	10/01/20 13:55	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	3.0	1	10/01/20 09:39	10/01/20 13:55	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	3.0	1	10/01/20 09:39	10/01/20 13:55	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	3.0	1	10/01/20 09:39	10/01/20 13:55	79-00-5	
Trichloroethene	ND	ug/kg	3.0	1	10/01/20 09:39	10/01/20 13:55	79-01-6	
Trichlorofluoromethane	ND	ug/kg	3.0	1	10/01/20 09:39	10/01/20 13:55	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	3.0	1	10/01/20 09:39	10/01/20 13:55	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/kg	3.0	1	10/01/20 09:39	10/01/20 13:55	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	3.0	1	10/01/20 09:39	10/01/20 13:55	108-67-8	
Vinyl chloride	ND	ug/kg	3.0	1	10/01/20 09:39	10/01/20 13:55	75-01-4	
Xylene (Total)	ND	ug/kg	3.0	1	10/01/20 09:39	10/01/20 13:55	1330-20-7	
Surrogates								
Toluene-d8 (S)	99	%	80-120	1	10/01/20 09:39	10/01/20 13:55	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: PINE LAWN

Pace Project No.: 60349454

Sample: DPT-24-SO-(24-25) **Lab ID:** 60349454006 Collected: 09/24/20 10:35 Received: 09/25/20 04:55 Matrix: Solid

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

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035A VOA								
Analytical Method: EPA 8260B Preparation Method: EPA 5035A/5030								
Pace Analytical Services - Kansas City								
Surrogates								
4-Bromofluorobenzene (S)	96	%	85-115	1	10/01/20 09:39	10/01/20 13:55	460-00-4	
1,2-Dichloroethane-d4 (S)	111	%	78-118	1	10/01/20 09:39	10/01/20 13:55	17060-07-0	
8260 MSV GRO and Oxygenates								
Analytical Method: EPA 8260 Preparation Method: EPA 5035								
Pace Analytical Services - Kansas City								
TPH-GRO	ND	mg/kg	0.30	1	10/01/20 09:39	10/01/20 13:55		
Surrogates								
Toluene-d8 (S)	99	%	78-122	1	10/01/20 09:39	10/01/20 13:55	2037-26-5	
4-Bromofluorobenzene (S)	96	%	69-133	1	10/01/20 09:39	10/01/20 13:55	460-00-4	
1,2-Dichloroethane-d4 (S)	111	%	80-123	1	10/01/20 09:39	10/01/20 13:55	17060-07-0	
Percent Moisture								
Analytical Method: ASTM D2974								
Pace Analytical Services - Kansas City								
Percent Moisture	10.6	%	0.50	1		09/29/20 14:17		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: PINE LAWN

Pace Project No.: 60349454

Sample: DPT-25-SO-(24-25) **Lab ID:** 60349454007 **Collected:** 09/24/20 12:56 **Received:** 09/25/20 04:55 **Matrix:** Solid

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

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8082 GCS PCB SW								
Analytical Method: EPA 8082 Preparation Method: EPA 3546								
Pace Analytical Services - Kansas City								
PCB-1016 (Aroclor 1016)	ND	ug/kg	37.3	1	10/01/20 16:31	10/02/20 23:22	12674-11-2	
PCB-1221 (Aroclor 1221)	ND	ug/kg	37.3	1	10/01/20 16:31	10/02/20 23:22	11104-28-2	
PCB-1232 (Aroclor 1232)	ND	ug/kg	37.3	1	10/01/20 16:31	10/02/20 23:22	11141-16-5	
PCB-1242 (Aroclor 1242)	ND	ug/kg	37.3	1	10/01/20 16:31	10/02/20 23:22	53469-21-9	
PCB-1248 (Aroclor 1248)	ND	ug/kg	37.3	1	10/01/20 16:31	10/02/20 23:22	12672-29-6	
PCB-1254 (Aroclor 1254)	ND	ug/kg	37.3	1	10/01/20 16:31	10/02/20 23:22	11097-69-1	
PCB-1260 (Aroclor 1260)	ND	ug/kg	37.3	1	10/01/20 16:31	10/02/20 23:22	11096-82-5	
Surrogates								
Decachlorobiphenyl (S)	89	%	28-143	1	10/01/20 16:31	10/02/20 23:22	2051-24-3	
6010 MET ICP Red. Interference								
Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Pace Analytical Services - Kansas City								
Arsenic	3.3	mg/kg	1.0	1	10/05/20 14:38	10/07/20 10:40	7440-38-2	
Barium	94.4	mg/kg	0.52	1	10/05/20 14:38	10/07/20 10:40	7440-39-3	
Cadmium	0.52	mg/kg	0.52	1	10/05/20 14:38	10/07/20 10:40	7440-43-9	
Chromium	34.3	mg/kg	0.52	1	10/05/20 14:38	10/07/20 10:40	7440-47-3	
Lead	8.1	mg/kg	1.0	1	10/05/20 14:38	10/07/20 10:40	7439-92-1	
Selenium	ND	mg/kg	1.6	1	10/05/20 14:38	10/07/20 10:40	7782-49-2	
Silver	ND	mg/kg	0.73	1	10/05/20 14:38	10/07/20 10:40	7440-22-4	
7471 Mercury								
Analytical Method: EPA 7471 Preparation Method: EPA 7471								
Pace Analytical Services - Kansas City								
Mercury	ND	mg/kg	0.045	1	10/05/20 10:25	10/06/20 11:19	7439-97-6	
8270 MSSV Semivolatiles								
Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Pace Analytical Services - Kansas City								
Acenaphthene	ND	ug/kg	369	1	09/30/20 12:08	10/08/20 22:53	83-32-9	
Acenaphthylene	ND	ug/kg	369	1	09/30/20 12:08	10/08/20 22:53	208-96-8	
Anthracene	ND	ug/kg	369	1	09/30/20 12:08	10/08/20 22:53	120-12-7	
Benzo(a)anthracene	ND	ug/kg	369	1	09/30/20 12:08	10/08/20 22:53	56-55-3	
Benzo(a)pyrene	ND	ug/kg	369	1	09/30/20 12:08	10/08/20 22:53	50-32-8	
Benzo(b)fluoranthene	ND	ug/kg	369	1	09/30/20 12:08	10/08/20 22:53	205-99-2	
Benzo(g,h,i)perylene	ND	ug/kg	369	1	09/30/20 12:08	10/08/20 22:53	191-24-2	
Benzo(k)fluoranthene	ND	ug/kg	369	1	09/30/20 12:08	10/08/20 22:53	207-08-9	
Benzoic Acid	ND	ug/kg	1870	1	09/30/20 12:08	10/08/20 22:53	65-85-0	
Benzyl alcohol	ND	ug/kg	737	1	09/30/20 12:08	10/08/20 22:53	100-51-6	
4-Bromophenylphenyl ether	ND	ug/kg	369	1	09/30/20 12:08	10/08/20 22:53	101-55-3	
Butylbenzylphthalate	ND	ug/kg	369	1	09/30/20 12:08	10/08/20 22:53	85-68-7	
Carbazole	ND	ug/kg	369	1	09/30/20 12:08	10/08/20 22:53	86-74-8	
4-Chloro-3-methylphenol	ND	ug/kg	737	1	09/30/20 12:08	10/08/20 22:53	59-50-7	
4-Chloroaniline	ND	ug/kg	737	1	09/30/20 12:08	10/08/20 22:53	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/kg	369	1	09/30/20 12:08	10/08/20 22:53	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/kg	369	1	09/30/20 12:08	10/08/20 22:53	111-44-4	
bis(2-Chloroisopropyl) ether	ND	ug/kg	369	1	09/30/20 12:08	10/08/20 22:53	108-60-1	
2-Chloronaphthalene	ND	ug/kg	369	1	09/30/20 12:08	10/08/20 22:53	91-58-7	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: PINE LAWN

Pace Project No.: 60349454

Sample: DPT-25-SO-(24-25) **Lab ID:** 60349454007 **Collected:** 09/24/20 12:56 **Received:** 09/25/20 04:55 **Matrix:** Solid

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

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Semivolatiles		Analytical Method: EPA 8270 Preparation Method: EPA 3546 Pace Analytical Services - Kansas City						
2-Chlorophenol	ND	ug/kg	369	1	09/30/20 12:08	10/08/20 22:53	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/kg	369	1	09/30/20 12:08	10/08/20 22:53	7005-72-3	
Chrysene	ND	ug/kg	369	1	09/30/20 12:08	10/08/20 22:53	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	369	1	09/30/20 12:08	10/08/20 22:53	53-70-3	
Dibenzofuran	ND	ug/kg	369	1	09/30/20 12:08	10/08/20 22:53	132-64-9	
1,2-Dichlorobenzene	ND	ug/kg	369	1	09/30/20 12:08	10/08/20 22:53	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	369	1	09/30/20 12:08	10/08/20 22:53	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	369	1	09/30/20 12:08	10/08/20 22:53	106-46-7	
3,3'-Dichlorobenzidine	ND	ug/kg	737	1	09/30/20 12:08	10/08/20 22:53	91-94-1	
2,4-Dichlorophenol	ND	ug/kg	369	1	09/30/20 12:08	10/08/20 22:53	120-83-2	
Diethylphthalate	ND	ug/kg	369	1	09/30/20 12:08	10/08/20 22:53	84-66-2	
2,4-Dimethylphenol	ND	ug/kg	369	1	09/30/20 12:08	10/08/20 22:53	105-67-9	
Dimethylphthalate	ND	ug/kg	369	1	09/30/20 12:08	10/08/20 22:53	131-11-3	
Di-n-butylphthalate	ND	ug/kg	369	1	09/30/20 12:08	10/08/20 22:53	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/kg	1870	1	09/30/20 12:08	10/08/20 22:53	534-52-1	
2,4-Dinitrophenol	ND	ug/kg	1870	1	09/30/20 12:08	10/08/20 22:53	51-28-5	
2,4-Dinitrotoluene	ND	ug/kg	369	1	09/30/20 12:08	10/08/20 22:53	121-14-2	
2,6-Dinitrotoluene	ND	ug/kg	369	1	09/30/20 12:08	10/08/20 22:53	606-20-2	
Di-n-octylphthalate	ND	ug/kg	369	1	09/30/20 12:08	10/08/20 22:53	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/kg	369	1	09/30/20 12:08	10/08/20 22:53	117-81-7	
Fluoranthene	ND	ug/kg	369	1	09/30/20 12:08	10/08/20 22:53	206-44-0	
Fluorene	ND	ug/kg	369	1	09/30/20 12:08	10/08/20 22:53	86-73-7	
Hexachloro-1,3-butadiene	ND	ug/kg	369	1	09/30/20 12:08	10/08/20 22:53	87-68-3	
Hexachlorobenzene	ND	ug/kg	369	1	09/30/20 12:08	10/08/20 22:53	118-74-1	
Hexachlorocyclopentadiene	ND	ug/kg	369	1	09/30/20 12:08	10/08/20 22:53	77-47-4	
Hexachloroethane	ND	ug/kg	369	1	09/30/20 12:08	10/08/20 22:53	67-72-1	
Indeno(1,2,3-cd)pyrene	ND	ug/kg	369	1	09/30/20 12:08	10/08/20 22:53	193-39-5	
Isophorone	ND	ug/kg	369	1	09/30/20 12:08	10/08/20 22:53	78-59-1	
2-Methylnaphthalene	ND	ug/kg	369	1	09/30/20 12:08	10/08/20 22:53	91-57-6	
2-Methylphenol(o-Cresol)	ND	ug/kg	369	1	09/30/20 12:08	10/08/20 22:53	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/kg	369	1	09/30/20 12:08	10/08/20 22:53	15831-10-4	
Naphthalene	ND	ug/kg	369	1	09/30/20 12:08	10/08/20 22:53	91-20-3	
2-Nitroaniline	ND	ug/kg	737	1	09/30/20 12:08	10/08/20 22:53	88-74-4	
3-Nitroaniline	ND	ug/kg	737	1	09/30/20 12:08	10/08/20 22:53	99-09-2	
4-Nitroaniline	ND	ug/kg	737	1	09/30/20 12:08	10/08/20 22:53	100-01-6	
Nitrobenzene	ND	ug/kg	369	1	09/30/20 12:08	10/08/20 22:53	98-95-3	
2-Nitrophenol	ND	ug/kg	369	1	09/30/20 12:08	10/08/20 22:53	88-75-5	
4-Nitrophenol	ND	ug/kg	1870	1	09/30/20 12:08	10/08/20 22:53	100-02-7	
N-Nitroso-di-n-propylamine	ND	ug/kg	369	1	09/30/20 12:08	10/08/20 22:53	621-64-7	
N-Nitrosodiphenylamine	ND	ug/kg	369	1	09/30/20 12:08	10/08/20 22:53	86-30-6	
Pentachlorophenol	ND	ug/kg	1870	1	09/30/20 12:08	10/08/20 22:53	87-86-5	
Phenanthrene	ND	ug/kg	369	1	09/30/20 12:08	10/08/20 22:53	85-01-8	
Phenol	ND	ug/kg	369	1	09/30/20 12:08	10/08/20 22:53	108-95-2	
Pyrene	ND	ug/kg	369	1	09/30/20 12:08	10/08/20 22:53	129-00-0	
Pyridine	ND	ug/kg	369	1	09/30/20 12:08	10/08/20 22:53	110-86-1	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: PINE LAWN

Pace Project No.: 60349454

Sample: DPT-25-SO-(24-25) Lab ID: 60349454007 Collected: 09/24/20 12:56 Received: 09/25/20 04:55 Matrix: Solid

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

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Semivolatiles								
Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Pace Analytical Services - Kansas City								
1,2,4-Trichlorobenzene	ND	ug/kg	369	1	09/30/20 12:08	10/08/20 22:53	120-82-1	
2,4,5-Trichlorophenol	ND	ug/kg	369	1	09/30/20 12:08	10/08/20 22:53	95-95-4	
2,4,6-Trichlorophenol	ND	ug/kg	369	1	09/30/20 12:08	10/08/20 22:53	88-06-2	
Surrogates								
Nitrobenzene-d5 (S)	81	%	33-132	1	09/30/20 12:08	10/08/20 22:53	4165-60-0	
2-Fluorobiphenyl (S)	83	%	39-136	1	09/30/20 12:08	10/08/20 22:53	321-60-8	
Terphenyl-d14 (S)	96	%	29-131	1	09/30/20 12:08	10/08/20 22:53	1718-51-0	
Phenol-d6 (S)	77	%	43-95	1	09/30/20 12:08	10/08/20 22:53	13127-88-3	
2-Fluorophenol (S)	74	%	43-96	1	09/30/20 12:08	10/08/20 22:53	367-12-4	
2,4,6-Tribromophenol (S)	85	%	41-108	1	09/30/20 12:08	10/08/20 22:53	118-79-6	
8270 MSSV DRO/ORO								
Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Pace Analytical Services - Kansas City								
TPH-ORO	ND	mg/kg	37.6	1	10/02/20 15:13	10/07/20 23:04		
TPH-DRO	ND	mg/kg	37.6	1	10/02/20 15:13	10/07/20 23:04		
Surrogates								
Nitrobenzene-d5 (S)	78	%	33-132	1	10/02/20 15:13	10/07/20 23:04	4165-60-0	
2-Fluorobiphenyl (S)	84	%	39-136	1	10/02/20 15:13	10/07/20 23:04	321-60-8	
Terphenyl-d14 (S)	90	%	29-131	1	10/02/20 15:13	10/07/20 23:04	1718-51-0	
8260 MSV 5035A VOA								
Analytical Method: EPA 8260B Preparation Method: EPA 5035A/5030								
Pace Analytical Services - Kansas City								
Acetone	ND	ug/kg	13.2	1	10/01/20 09:39	10/01/20 14:11	67-64-1	
Benzene	ND	ug/kg	3.3	1	10/01/20 09:39	10/01/20 14:11	71-43-2	
Bromobenzene	ND	ug/kg	3.3	1	10/01/20 09:39	10/01/20 14:11	108-86-1	
Bromochloromethane	ND	ug/kg	3.3	1	10/01/20 09:39	10/01/20 14:11	74-97-5	
Bromodichloromethane	ND	ug/kg	3.3	1	10/01/20 09:39	10/01/20 14:11	75-27-4	
Bromoform	ND	ug/kg	3.3	1	10/01/20 09:39	10/01/20 14:11	75-25-2	
Bromomethane	ND	ug/kg	3.3	1	10/01/20 09:39	10/01/20 14:11	74-83-9	
2-Butanone (MEK)	ND	ug/kg	6.6	1	10/01/20 09:39	10/01/20 14:11	78-93-3	
n-Butylbenzene	ND	ug/kg	3.3	1	10/01/20 09:39	10/01/20 14:11	104-51-8	
sec-Butylbenzene	ND	ug/kg	3.3	1	10/01/20 09:39	10/01/20 14:11	135-98-8	
tert-Butylbenzene	ND	ug/kg	16.5	1	10/01/20 09:39	10/01/20 14:11	98-06-6	
Carbon disulfide	ND	ug/kg	3.3	1	10/01/20 09:39	10/01/20 14:11	75-15-0	
Carbon tetrachloride	ND	ug/kg	3.3	1	10/01/20 09:39	10/01/20 14:11	56-23-5	
Chlorobenzene	ND	ug/kg	3.3	1	10/01/20 09:39	10/01/20 14:11	108-90-7	
Chloroethane	ND	ug/kg	3.3	1	10/01/20 09:39	10/01/20 14:11	75-00-3	
Chloroform	ND	ug/kg	3.3	1	10/01/20 09:39	10/01/20 14:11	67-66-3	
Chloromethane	ND	ug/kg	3.3	1	10/01/20 09:39	10/01/20 14:11	74-87-3	
2-Chlorotoluene	ND	ug/kg	3.3	1	10/01/20 09:39	10/01/20 14:11	95-49-8	
4-Chlorotoluene	ND	ug/kg	3.3	1	10/01/20 09:39	10/01/20 14:11	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/kg	6.6	1	10/01/20 09:39	10/01/20 14:11	96-12-8	
Dibromochloromethane	ND	ug/kg	3.3	1	10/01/20 09:39	10/01/20 14:11	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	3.3	1	10/01/20 09:39	10/01/20 14:11	106-93-4	
Dibromomethane	ND	ug/kg	3.3	1	10/01/20 09:39	10/01/20 14:11	74-95-3	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: PINE LAWN
Pace Project No.: 60349454

Sample: DPT-25-SO-(24-25) **Lab ID:** 60349454007 **Collected:** 09/24/20 12:56 **Received:** 09/25/20 04:55 **Matrix:** Solid

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

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035A VOA								
Analytical Method: EPA 8260B Preparation Method: EPA 5035A/5030								
Pace Analytical Services - Kansas City								
1,2-Dichlorobenzene	ND	ug/kg	3.3	1	10/01/20 09:39	10/01/20 14:11	95-50-1	SS
1,3-Dichlorobenzene	ND	ug/kg	3.3	1	10/01/20 09:39	10/01/20 14:11	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	3.3	1	10/01/20 09:39	10/01/20 14:11	106-46-7	
Dichlorodifluoromethane	ND	ug/kg	3.3	1	10/01/20 09:39	10/01/20 14:11	75-71-8	
1,1-Dichloroethane	ND	ug/kg	3.3	1	10/01/20 09:39	10/01/20 14:11	75-34-3	
1,2-Dichloroethane	ND	ug/kg	3.3	1	10/01/20 09:39	10/01/20 14:11	107-06-2	
1,2-Dichloroethene (Total)	ND	ug/kg	3.3	1	10/01/20 09:39	10/01/20 14:11	540-59-0	
1,1-Dichloroethene	ND	ug/kg	3.3	1	10/01/20 09:39	10/01/20 14:11	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	3.3	1	10/01/20 09:39	10/01/20 14:11	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	3.3	1	10/01/20 09:39	10/01/20 14:11	156-60-5	
1,2-Dichloropropane	ND	ug/kg	3.3	1	10/01/20 09:39	10/01/20 14:11	78-87-5	
1,3-Dichloropropane	ND	ug/kg	3.3	1	10/01/20 09:39	10/01/20 14:11	142-28-9	
2,2-Dichloropropane	ND	ug/kg	3.3	1	10/01/20 09:39	10/01/20 14:11	594-20-7	
1,1-Dichloropropene	ND	ug/kg	3.3	1	10/01/20 09:39	10/01/20 14:11	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	3.3	1	10/01/20 09:39	10/01/20 14:11	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	3.3	1	10/01/20 09:39	10/01/20 14:11	10061-02-6	
Ethylbenzene	ND	ug/kg	3.3	1	10/01/20 09:39	10/01/20 14:11	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/kg	3.3	1	10/01/20 09:39	10/01/20 14:11	87-68-3	
2-Hexanone	ND	ug/kg	13.2	1	10/01/20 09:39	10/01/20 14:11	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/kg	3.3	1	10/01/20 09:39	10/01/20 14:11	98-82-8	
p-Isopropyltoluene	ND	ug/kg	3.3	1	10/01/20 09:39	10/01/20 14:11	99-87-6	
Methylene Chloride	ND	ug/kg	3.3	1	10/01/20 09:39	10/01/20 14:11	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	6.6	1	10/01/20 09:39	10/01/20 14:11	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	3.3	1	10/01/20 09:39	10/01/20 14:11	1634-04-4	
Naphthalene	ND	ug/kg	6.6	1	10/01/20 09:39	10/01/20 14:11	91-20-3	
n-Propylbenzene	ND	ug/kg	3.3	1	10/01/20 09:39	10/01/20 14:11	103-65-1	
Styrene	ND	ug/kg	3.3	1	10/01/20 09:39	10/01/20 14:11	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	3.3	1	10/01/20 09:39	10/01/20 14:11	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	3.3	1	10/01/20 09:39	10/01/20 14:11	79-34-5	
Tetrachloroethene	ND	ug/kg	3.3	1	10/01/20 09:39	10/01/20 14:11	127-18-4	
Toluene	ND	ug/kg	3.3	1	10/01/20 09:39	10/01/20 14:11	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	3.3	1	10/01/20 09:39	10/01/20 14:11	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	3.3	1	10/01/20 09:39	10/01/20 14:11	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	3.3	1	10/01/20 09:39	10/01/20 14:11	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	3.3	1	10/01/20 09:39	10/01/20 14:11	79-00-5	
Trichloroethene	ND	ug/kg	3.3	1	10/01/20 09:39	10/01/20 14:11	79-01-6	
Trichlorofluoromethane	ND	ug/kg	3.3	1	10/01/20 09:39	10/01/20 14:11	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	3.3	1	10/01/20 09:39	10/01/20 14:11	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/kg	3.3	1	10/01/20 09:39	10/01/20 14:11	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	3.3	1	10/01/20 09:39	10/01/20 14:11	108-67-8	
Vinyl chloride	ND	ug/kg	3.3	1	10/01/20 09:39	10/01/20 14:11	75-01-4	
Xylene (Total)	ND	ug/kg	3.3	1	10/01/20 09:39	10/01/20 14:11	1330-20-7	
Surrogates								
Toluene-d8 (S)	101	%	80-120	1	10/01/20 09:39	10/01/20 14:11	2037-26-5	
4-Bromofluorobenzene (S)	97	%	85-115	1	10/01/20 09:39	10/01/20 14:11	460-00-4	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: PINE LAWN

Pace Project No.: 60349454

Sample: DPT-25-SO-(24-25) **Lab ID:** 60349454007 Collected: 09/24/20 12:56 Received: 09/25/20 04:55 Matrix: Solid

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

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035A VOA								
Analytical Method: EPA 8260B Preparation Method: EPA 5035A/5030								
Pace Analytical Services - Kansas City								
Surrogates								
1,2-Dichloroethane-d4 (S)	108	%	78-118	1	10/01/20 09:39	10/01/20 14:11	17060-07-0	
8260 MSV GRO and Oxygenates								
Analytical Method: EPA 8260 Preparation Method: EPA 5035								
Pace Analytical Services - Kansas City								
TPH-GRO	ND	mg/kg	0.33	1	10/01/20 09:39	10/01/20 14:11		
Surrogates								
Toluene-d8 (S)	101	%	78-122	1	10/01/20 09:39	10/01/20 14:11	2037-26-5	
4-Bromofluorobenzene (S)	97	%	69-133	1	10/01/20 09:39	10/01/20 14:11	460-00-4	
1,2-Dichloroethane-d4 (S)	108	%	80-123	1	10/01/20 09:39	10/01/20 14:11	17060-07-0	
Percent Moisture								
Analytical Method: ASTM D2974								
Pace Analytical Services - Kansas City								
Percent Moisture	13.2	%	0.50	1		09/29/20 14:17		

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: PINE LAWN

Pace Project No.: 60349454

QC Batch: 681150

Analysis Method: EPA 7470

QC Batch Method: EPA 7470

Analysis Description: 7470 Mercury

Laboratory: Pace Analytical Services - Kansas City

Associated Lab Samples: 60349454003

METHOD BLANK: 2753171

Matrix: Water

Associated Lab Samples: 60349454003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury	ug/L	ND	0.20	10/07/20 10:42	

LABORATORY CONTROL SAMPLE: 2753172

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	5	4.8	97	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2753173 2753174

Parameter	Units	60349876001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	ug/L	<0.085	5	5	4.9	5.1	98	101	75-125	3	20	

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

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: PINE LAWN

Pace Project No.: 60349454

QC Batch: 679617

Analysis Method: EPA 7470

QC Batch Method: EPA 7470

Analysis Description: 7470 Mercury ,Dissolved

Laboratory: Pace Analytical Services - Kansas City

Associated Lab Samples: 60349454003

METHOD BLANK: 2747874

Matrix: Water

Associated Lab Samples: 60349454003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury, Dissolved	ug/L	ND	0.20	10/01/20 09:57	

LABORATORY CONTROL SAMPLE: 2747875

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury, Dissolved	ug/L	5	5.2	105	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2747876 2747877

Parameter	Units	60349234004 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury, Dissolved	ug/L	ND	5	5	4.7	4.6	94	93	75-125	1	20	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: PINE LAWN
Pace Project No.: 60349454

QC Batch: 680546 Analysis Method: EPA 7471
QC Batch Method: EPA 7471 Analysis Description: 7471 Mercury
Laboratory: Pace Analytical Services - Kansas City
Associated Lab Samples: 60349454001, 60349454002, 60349454005, 60349454006, 60349454007

METHOD BLANK: 2751127 Matrix: Solid
Associated Lab Samples: 60349454001, 60349454002, 60349454005, 60349454006, 60349454007

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury	mg/kg	ND	0.050	10/06/20 10:43	

LABORATORY CONTROL SAMPLE: 2751128

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	mg/kg	0.5	0.53	105	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2751129 2751130

Parameter	Units	60349444001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	mg/kg	ND	0.49	0.49	0.51	0.57	104	117	75-125	11	20	

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QUALITY CONTROL DATA

Project: PINE LAWN
Pace Project No.: 60349454

QC Batch: 680742 Analysis Method: EPA 6010
QC Batch Method: EPA 3050 Analysis Description: 6010 MET
Laboratory: Pace Analytical Services - Kansas City
Associated Lab Samples: 60349454001, 60349454002, 60349454005, 60349454006, 60349454007

METHOD BLANK: 2752177 Matrix: Solid
Associated Lab Samples: 60349454001, 60349454002, 60349454005, 60349454006, 60349454007

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Arsenic	mg/kg	ND	1.0	10/07/20 09:51	
Barium	mg/kg	ND	0.50	10/07/20 09:51	
Cadmium	mg/kg	ND	0.50	10/07/20 09:51	
Chromium	mg/kg	ND	0.50	10/07/20 09:51	
Lead	mg/kg	ND	1.0	10/07/20 09:51	
Selenium	mg/kg	ND	1.5	10/07/20 09:51	
Silver	mg/kg	ND	0.70	10/07/20 09:51	

LABORATORY CONTROL SAMPLE: 2752178

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Arsenic	mg/kg	100	101	101	80-120	
Barium	mg/kg	100	102	102	80-120	
Cadmium	mg/kg	100	102	102	80-120	
Chromium	mg/kg	100	105	105	80-120	
Lead	mg/kg	100	106	106	80-120	
Selenium	mg/kg	100	101	101	80-120	
Silver	mg/kg	50	50.1	100	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2752179 2752180

Parameter	Units	60349444001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Arsenic	mg/kg	11.0	89	94.7	80.8	89.7	78	83	75-125	10	20	
Barium	mg/kg	168	89	94.7	283	274	130	113	75-125	3	20	M1
Cadmium	mg/kg	ND	89	94.7	73.2	81.0	82	85	75-125	10	20	
Chromium	mg/kg	26.0	89	94.7	104	116	88	95	75-125	10	20	
Lead	mg/kg	16.4	89	94.7	84.5	91.7	77	79	75-125	8	20	
Selenium	mg/kg	ND	89	94.7	70.5	77.8	79	82	75-125	10	20	
Silver	mg/kg	ND	44.5	47.3	38.6	42.5	86	89	75-125	10	20	

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QUALITY CONTROL DATA

Project: PINE LAWN
Pace Project No.: 60349454

QC Batch: 680798	Analysis Method: EPA 6010
QC Batch Method: EPA 3010	Analysis Description: 6010 MET
	Laboratory: Pace Analytical Services - Kansas City

Associated Lab Samples: 60349454003

METHOD BLANK: 2752296 Matrix: Water

Associated Lab Samples: 60349454003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Arsenic	ug/L	ND	10.0	10/06/20 16:10	
Barium	ug/L	ND	5.0	10/06/20 16:10	
Cadmium	ug/L	ND	5.0	10/06/20 16:10	
Chromium	ug/L	ND	5.0	10/06/20 16:10	
Lead	ug/L	ND	10.0	10/06/20 16:10	
Selenium	ug/L	ND	15.0	10/06/20 16:10	
Silver	ug/L	ND	7.0	10/06/20 16:10	

LABORATORY CONTROL SAMPLE: 2752297

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Arsenic	ug/L	1000	992	99	80-120	
Barium	ug/L	1000	968	97	80-120	
Cadmium	ug/L	1000	992	99	80-120	
Chromium	ug/L	1000	972	97	80-120	
Lead	ug/L	1000	1030	103	80-120	
Selenium	ug/L	1000	1000	100	80-120	
Silver	ug/L	500	506	101	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2752298 2752299

Parameter	Units	60349454003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Arsenic	ug/L	ND	1000	1000	981	988	98	99	75-125	1	20	
Barium	ug/L	ND	1000	1000	964	972	96	97	75-125	1	20	
Cadmium	ug/L	ND	1000	1000	986	987	99	99	75-125	0	20	
Chromium	ug/L	ND	1000	1000	973	975	97	98	75-125	0	20	
Lead	ug/L	ND	1000	1000	1020	1030	102	103	75-125	1	20	
Selenium	ug/L	ND	1000	1000	991	992	99	99	75-125	0	20	
Silver	ug/L	ND	500	500	502	503	100	101	75-125	0	20	

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QUALITY CONTROL DATA

Project: PINE LAWN
Pace Project No.: 60349454

QC Batch: 680799	Analysis Method: EPA 6010
QC Batch Method: EPA 3010	Analysis Description: 6010 MET Dissolved
	Laboratory: Pace Analytical Services - Kansas City

Associated Lab Samples: 60349454003

METHOD BLANK: 2752300 Matrix: Water

Associated Lab Samples: 60349454003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Arsenic, Dissolved	ug/L	ND	10.0	10/06/20 11:02	
Barium, Dissolved	ug/L	ND	5.0	10/06/20 11:02	
Cadmium, Dissolved	ug/L	ND	5.0	10/06/20 11:02	
Chromium, Dissolved	ug/L	ND	5.0	10/06/20 11:02	
Lead, Dissolved	ug/L	ND	10.0	10/06/20 18:30	
Selenium, Dissolved	ug/L	ND	15.0	10/06/20 11:02	
Silver, Dissolved	ug/L	ND	7.0	10/06/20 11:02	

LABORATORY CONTROL SAMPLE: 2752301

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Arsenic, Dissolved	ug/L	1000	956	96	80-120	
Barium, Dissolved	ug/L	1000	954	95	80-120	
Cadmium, Dissolved	ug/L	1000	966	97	80-120	
Chromium, Dissolved	ug/L	1000	987	99	80-120	
Lead, Dissolved	ug/L	1000	1050	105	80-120	
Selenium, Dissolved	ug/L	1000	1010	101	80-120	
Silver, Dissolved	ug/L	500	480	96	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2752302 2752303

Parameter	Units	60349295010 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Arsenic, Dissolved	ug/L	19.0	1000	1000	975	982	96	96	75-125	1	20	
Barium, Dissolved	ug/L	508	1000	1000	1440	1460	93	96	75-125	2	20	
Cadmium, Dissolved	ug/L	ND	1000	1000	946	956	95	96	75-125	1	20	
Chromium, Dissolved	ug/L	ND	1000	1000	959	969	96	97	75-125	1	20	
Lead, Dissolved	ug/L	ND	1000	1000	978	981	98	98	75-125	0	20	
Selenium, Dissolved	ug/L	ND	1000	1000	983	992	98	99	75-125	1	20	
Silver, Dissolved	ug/L	ND	500	500	475	479	95	96	75-125	1	20	

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QUALITY CONTROL DATA

Project: PINE LAWN

Pace Project No.: 60349454

QC Batch: 680121

Analysis Method: EPA 8260B

QC Batch Method: EPA 5035A/5030

Analysis Description: 8260 MSV 5035A Volatile Organics

Laboratory: Pace Analytical Services - Kansas City

Associated Lab Samples: 60349454001, 60349454005, 60349454006, 60349454007

METHOD BLANK: 2749543

Matrix: Solid

Associated Lab Samples: 60349454001, 60349454005, 60349454006, 60349454007

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	ND	5.0	10/01/20 10:01	
1,1,1-Trichloroethane	ug/kg	ND	5.0	10/01/20 10:01	
1,1,2,2-Tetrachloroethane	ug/kg	ND	5.0	10/01/20 10:01	
1,1,2-Trichloroethane	ug/kg	ND	5.0	10/01/20 10:01	
1,1-Dichloroethane	ug/kg	ND	5.0	10/01/20 10:01	
1,1-Dichloroethene	ug/kg	ND	5.0	10/01/20 10:01	
1,1-Dichloropropene	ug/kg	ND	5.0	10/01/20 10:01	
1,2,3-Trichlorobenzene	ug/kg	ND	5.0	10/01/20 10:01	
1,2,3-Trichloropropane	ug/kg	ND	5.0	10/01/20 10:01	
1,2,4-Trichlorobenzene	ug/kg	ND	5.0	10/01/20 10:01	
1,2,4-Trimethylbenzene	ug/kg	ND	5.0	10/01/20 10:01	
1,2-Dibromo-3-chloropropane	ug/kg	ND	10.0	10/01/20 10:01	
1,2-Dibromoethane (EDB)	ug/kg	ND	5.0	10/01/20 10:01	
1,2-Dichlorobenzene	ug/kg	ND	5.0	10/01/20 10:01	
1,2-Dichloroethane	ug/kg	ND	5.0	10/01/20 10:01	
1,2-Dichloroethene (Total)	ug/kg	ND	5.0	10/01/20 10:01	
1,2-Dichloropropane	ug/kg	ND	5.0	10/01/20 10:01	
1,3,5-Trimethylbenzene	ug/kg	ND	5.0	10/01/20 10:01	
1,3-Dichlorobenzene	ug/kg	ND	5.0	10/01/20 10:01	
1,3-Dichloropropane	ug/kg	ND	5.0	10/01/20 10:01	
1,4-Dichlorobenzene	ug/kg	ND	5.0	10/01/20 10:01	
2,2-Dichloropropane	ug/kg	ND	5.0	10/01/20 10:01	
2-Butanone (MEK)	ug/kg	ND	10.0	10/01/20 10:01	
2-Chlorotoluene	ug/kg	ND	5.0	10/01/20 10:01	
2-Hexanone	ug/kg	ND	20.0	10/01/20 10:01	
4-Chlorotoluene	ug/kg	ND	5.0	10/01/20 10:01	
4-Methyl-2-pentanone (MIBK)	ug/kg	ND	10.0	10/01/20 10:01	
Acetone	ug/kg	ND	20.0	10/01/20 10:01	
Benzene	ug/kg	ND	5.0	10/01/20 10:01	
Bromobenzene	ug/kg	ND	5.0	10/01/20 10:01	
Bromochloromethane	ug/kg	ND	5.0	10/01/20 10:01	
Bromodichloromethane	ug/kg	ND	5.0	10/01/20 10:01	
Bromoform	ug/kg	ND	5.0	10/01/20 10:01	
Bromomethane	ug/kg	ND	5.0	10/01/20 10:01	
Carbon disulfide	ug/kg	ND	5.0	10/01/20 10:01	
Carbon tetrachloride	ug/kg	ND	5.0	10/01/20 10:01	
Chlorobenzene	ug/kg	ND	5.0	10/01/20 10:01	
Chloroethane	ug/kg	ND	5.0	10/01/20 10:01	
Chloroform	ug/kg	ND	5.0	10/01/20 10:01	
Chloromethane	ug/kg	ND	5.0	10/01/20 10:01	

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QUALITY CONTROL DATA

Project: PINE LAWN

Pace Project No.: 60349454

METHOD BLANK: 2749543

Matrix: Solid

Associated Lab Samples: 60349454001, 60349454005, 60349454006, 60349454007

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
cis-1,2-Dichloroethene	ug/kg	ND	5.0	10/01/20 10:01	
cis-1,3-Dichloropropene	ug/kg	ND	5.0	10/01/20 10:01	
Dibromochloromethane	ug/kg	ND	5.0	10/01/20 10:01	
Dibromomethane	ug/kg	ND	5.0	10/01/20 10:01	
Dichlorodifluoromethane	ug/kg	ND	5.0	10/01/20 10:01	
Ethylbenzene	ug/kg	ND	5.0	10/01/20 10:01	
Hexachloro-1,3-butadiene	ug/kg	ND	5.0	10/01/20 10:01	
Isopropylbenzene (Cumene)	ug/kg	ND	5.0	10/01/20 10:01	
Methyl-tert-butyl ether	ug/kg	ND	5.0	10/01/20 10:01	
Methylene Chloride	ug/kg	ND	5.0	10/01/20 10:01	
n-Butylbenzene	ug/kg	ND	5.0	10/01/20 10:01	
n-Propylbenzene	ug/kg	ND	5.0	10/01/20 10:01	
Naphthalene	ug/kg	ND	10.0	10/01/20 10:01	
p-Isopropyltoluene	ug/kg	ND	5.0	10/01/20 10:01	
sec-Butylbenzene	ug/kg	ND	5.0	10/01/20 10:01	
Styrene	ug/kg	ND	5.0	10/01/20 10:01	
tert-Butylbenzene	ug/kg	ND	25.0	10/01/20 10:01	
Tetrachloroethene	ug/kg	ND	5.0	10/01/20 10:01	
Toluene	ug/kg	ND	5.0	10/01/20 10:01	
trans-1,2-Dichloroethene	ug/kg	ND	5.0	10/01/20 10:01	
trans-1,3-Dichloropropene	ug/kg	ND	5.0	10/01/20 10:01	
Trichloroethene	ug/kg	ND	5.0	10/01/20 10:01	
Trichlorofluoromethane	ug/kg	ND	5.0	10/01/20 10:01	
Vinyl chloride	ug/kg	ND	5.0	10/01/20 10:01	
Xylene (Total)	ug/kg	ND	5.0	10/01/20 10:01	
1,2-Dichloroethane-d4 (S)	%	96	78-118	10/01/20 10:01	
4-Bromofluorobenzene (S)	%	97	85-115	10/01/20 10:01	
Toluene-d8 (S)	%	102	80-120	10/01/20 10:01	

LABORATORY CONTROL SAMPLE: 2749544

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	100	101	101	84-125	
1,1,1-Trichloroethane	ug/kg	100	96.2	96	81-121	
1,1,2,2-Tetrachloroethane	ug/kg	100	89.5	90	76-121	
1,1,2-Trichloroethane	ug/kg	100	96.5	96	83-118	
1,1-Dichloroethane	ug/kg	100	101	101	74-120	
1,1-Dichloroethene	ug/kg	100	92.9	93	71-124	
1,1-Dichloropropene	ug/kg	100	84.0	84	73-123	
1,2,3-Trichlorobenzene	ug/kg	100	100	100	81-123	
1,2,3-Trichloropropane	ug/kg	100	94.4	94	81-116	
1,2,4-Trichlorobenzene	ug/kg	100	101	101	79-126	
1,2,4-Trimethylbenzene	ug/kg	100	97.0	97	79-121	
1,2-Dibromo-3-chloropropane	ug/kg	100	91.5	92	74-125	

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QUALITY CONTROL DATA

Project: PINE LAWN

Pace Project No.: 60349454

LABORATORY CONTROL SAMPLE: 2749544

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dibromoethane (EDB)	ug/kg	100	98.6	99	64-137	
1,2-Dichlorobenzene	ug/kg	100	97.5	97	83-119	
1,2-Dichloroethane	ug/kg	100	86.8	87	58-128	
1,2-Dichloroethene (Total)	ug/kg	200	191	95	82-117	
1,2-Dichloropropane	ug/kg	100	91.8	92	77-122	
1,3,5-Trimethylbenzene	ug/kg	100	98.4	98	81-122	
1,3-Dichlorobenzene	ug/kg	100	98.7	99	83-119	
1,3-Dichloropropane	ug/kg	100	94.7	95	83-118	
1,4-Dichlorobenzene	ug/kg	100	92.1	92	83-116	
2,2-Dichloropropane	ug/kg	100	95.8	96	76-124	
2-Butanone (MEK)	ug/kg	500	423	85	63-122	
2-Chlorotoluene	ug/kg	100	95.2	95	79-119	
2-Hexanone	ug/kg	500	443	89	68-122	
4-Chlorotoluene	ug/kg	100	97.3	97	84-119	
4-Methyl-2-pentanone (MIBK)	ug/kg	500	439	88	63-128	
Acetone	ug/kg	500	404	81	55-124	
Benzene	ug/kg	100	90.3	90	67-126	
Bromobenzene	ug/kg	100	97.6	98	85-117	
Bromochloromethane	ug/kg	100	97.8	98	78-122	
Bromodichloromethane	ug/kg	100	96.7	97	82-120	
Bromoform	ug/kg	100	107	107	77-133	
Bromomethane	ug/kg	100	70.6	71	20-168	
Carbon disulfide	ug/kg	100	100	100	60-133	
Carbon tetrachloride	ug/kg	100	104	104	79-128	
Chlorobenzene	ug/kg	100	98.4	98	84-118	
Chloroethane	ug/kg	100	74.9	75	53-139	
Chloroform	ug/kg	100	94.7	95	82-120	
Chloromethane	ug/kg	100	44.0	44	33-143	
cis-1,2-Dichloroethene	ug/kg	100	95.2	95	83-117	
cis-1,3-Dichloropropene	ug/kg	100	94.2	94	80-122	
Dibromochloromethane	ug/kg	100	107	107	82-128	
Dibromomethane	ug/kg	100	93.7	94	82-119	
Dichlorodifluoromethane	ug/kg	100	22.4	22	12-159	
Ethylbenzene	ug/kg	100	97.1	97	69-127	
Hexachloro-1,3-butadiene	ug/kg	100	103	103	77-133	
Isopropylbenzene (Cumene)	ug/kg	100	96.3	96	83-122	
Methyl-tert-butyl ether	ug/kg	100	89.4	89	58-137	
Methylene Chloride	ug/kg	100	88.8	89	68-125	
n-Butylbenzene	ug/kg	100	105	105	73-131	
n-Propylbenzene	ug/kg	100	99.2	99	82-122	
Naphthalene	ug/kg	100	102	102	60-136	
p-Isopropyltoluene	ug/kg	100	91.1	91	74-129	
sec-Butylbenzene	ug/kg	100	107	107	71-133	
Styrene	ug/kg	100	101	101	84-121	
tert-Butylbenzene	ug/kg	100	98.5	98	81-122	
Tetrachloroethene	ug/kg	100	105	105	78-130	
Toluene	ug/kg	100	95.6	96	80-118	

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QUALITY CONTROL DATA

Project: PINE LAWN

Pace Project No.: 60349454

LABORATORY CONTROL SAMPLE: 2749544

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
trans-1,2-Dichloroethene	ug/kg	100	95.6	96	78-118	
trans-1,3-Dichloropropene	ug/kg	100	100	100	81-123	
Trichloroethene	ug/kg	100	98.3	98	78-127	
Trichlorofluoromethane	ug/kg	100	89.8	90	64-133	
Vinyl chloride	ug/kg	100	57.6	58	45-139	
Xylene (Total)	ug/kg	300	290	97	69-130	
1,2-Dichloroethane-d4 (S)	%			94	78-118	
4-Bromofluorobenzene (S)	%			96	85-115	
Toluene-d8 (S)	%			102	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2749545 2749546

Parameter	Units	60349800003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,1,1,2-Tetrachloroethane	ug/kg	ND	124	125	101	97.8	81	78	13-133	3	39	
1,1,1-Trichloroethane	ug/kg	ND	124	125	95.0	98.2	76	79	30-131	3	28	
1,1,2,2-Tetrachloroethane	ug/kg	ND	124	125	90.5	88.0	73	70	10-139	3	49	
1,1,2-Trichloroethane	ug/kg	ND	124	125	100	94.2	81	75	10-145	6	41	
1,1-Dichloroethane	ug/kg	ND	124	125	97.9	102	78	81	24-125	4	31	
1,1-Dichloroethene	ug/kg	ND	124	125	80.8	83.9	65	67	34-118	4	30	
1,1-Dichloropropene	ug/kg	ND	124	125	86.6	89.6	70	72	29-116	3	30	
1,2,3-Trichlorobenzene	ug/kg	ND	124	125	73.7	70.3	59	56	10-115	5	40	
1,2,3-Trichloropropane	ug/kg	ND	124	125	94.9	91.1	76	73	10-150	4	46	
1,2,4-Trichlorobenzene	ug/kg	ND	124	125	76.9	72.6	62	58	10-115	6	44	
1,2,4-Trimethylbenzene	ug/kg	ND	124	125	90.5	87.4	73	70	10-123	3	37	
1,2-Dibromo-3-chloropropane	ug/kg	ND	124	125	87.4	84.6	70	68	10-136	3	42	
1,2-Dibromoethane (EDB)	ug/kg	ND	124	125	101	96.6	81	77	24-149	4	29	
1,2-Dichlorobenzene	ug/kg	ND	124	125	86.2	80.9	69	65	10-123	6	41	
1,2-Dichloroethane	ug/kg	ND	124	125	88.1	84.7	71	68	23-140	4	29	
1,2-Dichloroethene (Total)	ug/kg	ND	248	250	188	187	76	75	30-119	0	32	
1,2-Dichloropropane	ug/kg	ND	124	125	93.6	89.9	75	72	13-132	4	33	
1,3,5-Trimethylbenzene	ug/kg	ND	124	125	92.4	90.9	74	73	10-124	2	40	
1,3-Dichlorobenzene	ug/kg	ND	124	125	89.0	84.0	72	67	10-122	6	42	
1,3-Dichloropropane	ug/kg	ND	124	125	96.9	93.0	78	74	10-135	4	36	
1,4-Dichlorobenzene	ug/kg	ND	124	125	85.1	79.8	68	64	10-120	6	38	
2,2-Dichloropropane	ug/kg	ND	124	125	92.1	94.7	74	76	22-135	3	31	
2-Butanone (MEK)	ug/kg	ND	622	625	435	427	70	68	12-127	2	37	
2-Chlorotoluene	ug/kg	ND	124	125	90.7	87.5	73	70	10-126	4	38	
2-Hexanone	ug/kg	ND	622	625	456	442	73	71	10-135	3	37	
4-Chlorotoluene	ug/kg	ND	124	125	91.5	88.5	74	71	10-129	3	40	
4-Methyl-2-pentanone (MIBK)	ug/kg	ND	622	625	448	434	72	69	10-129	3	36	
Acetone	ug/kg	ND	622	625	415	401	65	63	10-143	3	34	
Benzene	ug/kg	ND	124	125	90.5	90.0	73	72	37-135	1	24	
Bromobenzene	ug/kg	ND	124	125	95.4	89.8	77	72	10-134	6	45	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: PINE LAWN

Pace Project No.: 60349454

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2749545 2749546											
Parameter	Units	60349800003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	Max RPD	Qual
Bromochloromethane	ug/kg	ND	124	125	100	95.8	81	77	17-129	5	34
Bromodichloromethane	ug/kg	ND	124	125	99.0	95.2	80	76	12-130	4	33
Bromoform	ug/kg	ND	124	125	104	99.2	84	79	10-135	5	39
Bromomethane	ug/kg	ND	124	125	61.6	59.6	49	47	10-124	3	41
Carbon disulfide	ug/kg	ND	124	125	75.1	77.3	60	62	17-116	3	28
Carbon tetrachloride	ug/kg	ND	124	125	98.8	103	79	83	29-127	5	35
Chlorobenzene	ug/kg	ND	124	125	96.8	95.0	78	76	10-133	2	33
Chloroethane	ug/kg	ND	124	125	62.4	62.9	50	50	25-116	1	33
Chloroform	ug/kg	ND	124	125	96.5	95.3	78	76	20-130	1	30
Chloromethane	ug/kg	ND	124	125	32.2	32.0	26	26	10-113	0	31
cis-1,2-Dichloroethene	ug/kg	ND	124	125	95.2	93.7	76	75	22-126	2	31
cis-1,3-Dichloropropene	ug/kg	ND	124	125	95.5	91.5	77	73	10-125	4	34
Dibromochloromethane	ug/kg	ND	124	125	105	101	84	81	10-138	4	38
Dibromomethane	ug/kg	ND	124	125	98.1	92.8	79	74	13-129	6	38
Dichlorodifluoromethane	ug/kg	ND	124	125	16.1	16.2	13	13	10-114	1	33
Ethylbenzene	ug/kg	ND	124	125	96.1	97.4	77	78	31-142	1	25
Hexachloro-1,3-butadiene	ug/kg	ND	124	125	85.4	85.9	69	69	10-124	1	41
Isopropylbenzene (Cumene)	ug/kg	ND	124	125	96.0	97.6	77	78	17-120	2	34
Methyl-tert-butyl ether	ug/kg	ND	124	125	91.4	86.2	73	69	30-143	6	28
Methylene Chloride	ug/kg	ND	124	125	89.7	85.0	69	65	24-121	5	33
n-Butylbenzene	ug/kg	ND	124	125	91.6	92.2	74	74	10-121	1	36
n-Propylbenzene	ug/kg	ND	124	125	94.3	94.7	76	76	12-125	0	37
Naphthalene	ug/kg	ND	124	125	80.6	78.1	64	62	10-156	3	34
p-Isopropyltoluene	ug/kg	ND	124	125	88.4	87.5	71	70	10-119	1	37
sec-Butylbenzene	ug/kg	ND	124	125	96.8	97.9	78	78	10-127	1	40
Styrene	ug/kg	ND	124	125	95.4	91.0	77	73	10-124	5	37
tert-Butylbenzene	ug/kg	ND	124	125	95.2	94.4	77	76	10-126	1	37
Tetrachloroethene	ug/kg	ND	124	125	104	106	83	85	15-133	2	36
Toluene	ug/kg	ND	124	125	95.8	97.0	77	78	40-137	1	25
trans-1,2-Dichloroethene	ug/kg	ND	124	125	92.8	93.7	75	75	22-129	1	34
trans-1,3-Dichloropropene	ug/kg	ND	124	125	99.8	96.0	80	77	10-130	4	35
Trichloroethene	ug/kg	ND	124	125	98.7	99.7	79	80	19-135	1	34
Trichlorofluoromethane	ug/kg	ND	124	125	74.2	77.8	60	62	16-132	5	28
Vinyl chloride	ug/kg	ND	124	125	42.8	44.0	34	35	14-116	3	28
Xylene (Total)	ug/kg	ND	374	375	285	284	76	76	19-153	1	27
1,2-Dichloroethane-d4 (S)	%						98	99	78-118		
4-Bromofluorobenzene (S)	%						97	96	85-115		
Toluene-d8 (S)	%						103	103	80-120		

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: PINE LAWN
Pace Project No.: 60349454

QC Batch: 680235	Analysis Method: EPA 8260B
QC Batch Method: EPA 5035A/5030	Analysis Description: 8260 MSV 5035A Volatile Organics
	Laboratory: Pace Analytical Services - Kansas City

Associated Lab Samples: 60349454004

METHOD BLANK: 2749864 Matrix: Solid

Associated Lab Samples: 60349454004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	ND	5.0	10/01/20 16:46	
1,1,1-Trichloroethane	ug/kg	ND	5.0	10/01/20 16:46	
1,1,2,2-Tetrachloroethane	ug/kg	ND	5.0	10/01/20 16:46	
1,1,2-Trichloroethane	ug/kg	ND	5.0	10/01/20 16:46	
1,1-Dichloroethane	ug/kg	ND	5.0	10/01/20 16:46	
1,1-Dichloroethene	ug/kg	ND	5.0	10/01/20 16:46	
1,1-Dichloropropene	ug/kg	ND	5.0	10/01/20 16:46	
1,2,3-Trichlorobenzene	ug/kg	ND	5.0	10/01/20 16:46	
1,2,3-Trichloropropane	ug/kg	ND	5.0	10/01/20 16:46	
1,2,4-Trichlorobenzene	ug/kg	ND	5.0	10/01/20 16:46	
1,2,4-Trimethylbenzene	ug/kg	ND	5.0	10/01/20 16:46	
1,2-Dibromo-3-chloropropane	ug/kg	ND	10.0	10/01/20 16:46	
1,2-Dibromoethane (EDB)	ug/kg	ND	5.0	10/01/20 16:46	
1,2-Dichlorobenzene	ug/kg	ND	5.0	10/01/20 16:46	
1,2-Dichloroethane	ug/kg	ND	5.0	10/01/20 16:46	
1,2-Dichloroethene (Total)	ug/kg	ND	5.0	10/01/20 16:46	
1,2-Dichloropropane	ug/kg	ND	5.0	10/01/20 16:46	
1,3,5-Trimethylbenzene	ug/kg	ND	5.0	10/01/20 16:46	
1,3-Dichlorobenzene	ug/kg	ND	5.0	10/01/20 16:46	
1,3-Dichloropropane	ug/kg	ND	5.0	10/01/20 16:46	
1,4-Dichlorobenzene	ug/kg	ND	5.0	10/01/20 16:46	
2,2-Dichloropropane	ug/kg	ND	5.0	10/01/20 16:46	
2-Butanone (MEK)	ug/kg	ND	10.0	10/01/20 16:46	
2-Chlorotoluene	ug/kg	ND	5.0	10/01/20 16:46	
2-Hexanone	ug/kg	ND	20.0	10/01/20 16:46	
4-Chlorotoluene	ug/kg	ND	5.0	10/01/20 16:46	
4-Methyl-2-pentanone (MIBK)	ug/kg	ND	10.0	10/01/20 16:46	
Acetone	ug/kg	ND	20.0	10/01/20 16:46	
Benzene	ug/kg	ND	5.0	10/01/20 16:46	
Bromobenzene	ug/kg	ND	5.0	10/01/20 16:46	
Bromochloromethane	ug/kg	ND	5.0	10/01/20 16:46	
Bromodichloromethane	ug/kg	ND	5.0	10/01/20 16:46	
Bromoform	ug/kg	ND	5.0	10/01/20 16:46	
Bromomethane	ug/kg	ND	5.0	10/01/20 16:46	
Carbon disulfide	ug/kg	ND	5.0	10/01/20 16:46	
Carbon tetrachloride	ug/kg	ND	5.0	10/01/20 16:46	
Chlorobenzene	ug/kg	ND	5.0	10/01/20 16:46	
Chloroethane	ug/kg	ND	5.0	10/01/20 16:46	
Chloroform	ug/kg	ND	5.0	10/01/20 16:46	
Chloromethane	ug/kg	ND	5.0	10/01/20 16:46	

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QUALITY CONTROL DATA

Project: PINE LAWN

Pace Project No.: 60349454

METHOD BLANK: 2749864

Matrix: Solid

Associated Lab Samples: 60349454004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
cis-1,2-Dichloroethene	ug/kg	ND	5.0	10/01/20 16:46	
cis-1,3-Dichloropropene	ug/kg	ND	5.0	10/01/20 16:46	
Dibromochloromethane	ug/kg	ND	5.0	10/01/20 16:46	
Dibromomethane	ug/kg	ND	5.0	10/01/20 16:46	
Dichlorodifluoromethane	ug/kg	ND	5.0	10/01/20 16:46	
Ethylbenzene	ug/kg	ND	5.0	10/01/20 16:46	
Hexachloro-1,3-butadiene	ug/kg	ND	5.0	10/01/20 16:46	
Isopropylbenzene (Cumene)	ug/kg	ND	5.0	10/01/20 16:46	
Methyl-tert-butyl ether	ug/kg	ND	5.0	10/01/20 16:46	
Methylene Chloride	ug/kg	ND	5.0	10/01/20 16:46	
n-Butylbenzene	ug/kg	ND	5.0	10/01/20 16:46	
n-Propylbenzene	ug/kg	ND	5.0	10/01/20 16:46	
Naphthalene	ug/kg	ND	10.0	10/01/20 16:46	
p-Isopropyltoluene	ug/kg	ND	5.0	10/01/20 16:46	
sec-Butylbenzene	ug/kg	ND	5.0	10/01/20 16:46	
Styrene	ug/kg	ND	5.0	10/01/20 16:46	
tert-Butylbenzene	ug/kg	ND	25.0	10/01/20 16:46	
Tetrachloroethene	ug/kg	ND	5.0	10/01/20 16:46	
Toluene	ug/kg	ND	5.0	10/01/20 16:46	
trans-1,2-Dichloroethene	ug/kg	ND	5.0	10/01/20 16:46	
trans-1,3-Dichloropropene	ug/kg	ND	5.0	10/01/20 16:46	
Trichloroethene	ug/kg	ND	5.0	10/01/20 16:46	
Trichlorofluoromethane	ug/kg	ND	5.0	10/01/20 16:46	
Vinyl chloride	ug/kg	ND	5.0	10/01/20 16:46	
Xylene (Total)	ug/kg	ND	5.0	10/01/20 16:46	
1,2-Dichloroethane-d4 (S)	%	95	78-118	10/01/20 16:46	
4-Bromofluorobenzene (S)	%	97	85-115	10/01/20 16:46	
Toluene-d8 (S)	%	103	80-120	10/01/20 16:46	

LABORATORY CONTROL SAMPLE: 2749865

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	100	102	102	84-125	
1,1,1-Trichloroethane	ug/kg	100	94.3	94	81-121	
1,1,2,2-Tetrachloroethane	ug/kg	100	91.4	91	76-121	
1,1,2-Trichloroethane	ug/kg	100	100	100	83-118	
1,1-Dichloroethane	ug/kg	100	83.6	84	74-120	
1,1-Dichloroethene	ug/kg	100	99.8	100	71-124	
1,1-Dichloropropene	ug/kg	100	82.7	83	73-123	
1,2,3-Trichlorobenzene	ug/kg	100	99.8	100	81-123	
1,2,3-Trichloropropane	ug/kg	100	96.7	97	81-116	
1,2,4-Trichlorobenzene	ug/kg	100	99.2	99	79-126	
1,2,4-Trimethylbenzene	ug/kg	100	95.5	96	79-121	
1,2-Dibromo-3-chloropropane	ug/kg	100	90.4	90	74-125	

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QUALITY CONTROL DATA

Project: PINE LAWN

Pace Project No.: 60349454

LABORATORY CONTROL SAMPLE: 2749865

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dibromoethane (EDB)	ug/kg	100	103	103	64-137	
1,2-Dichlorobenzene	ug/kg	100	98.6	99	83-119	
1,2-Dichloroethane	ug/kg	100	88.6	89	58-128	
1,2-Dichloroethene (Total)	ug/kg	200	199	100	82-117	
1,2-Dichloropropane	ug/kg	100	91.5	91	77-122	
1,3,5-Trimethylbenzene	ug/kg	100	95.6	96	81-122	
1,3-Dichlorobenzene	ug/kg	100	98.8	99	83-119	
1,3-Dichloropropane	ug/kg	100	98.8	99	83-118	
1,4-Dichlorobenzene	ug/kg	100	92.3	92	83-116	
2,2-Dichloropropane	ug/kg	100	91.1	91	76-124	
2-Butanone (MEK)	ug/kg	500	433	87	63-122	
2-Chlorotoluene	ug/kg	100	94.3	94	79-119	
2-Hexanone	ug/kg	500	448	90	68-122	
4-Chlorotoluene	ug/kg	100	96.4	96	84-119	
4-Methyl-2-pentanone (MIBK)	ug/kg	500	442	88	63-128	
Acetone	ug/kg	500	423	85	55-124	
Benzene	ug/kg	100	90.5	91	67-126	
Bromobenzene	ug/kg	100	99.8	100	85-117	
Bromochloromethane	ug/kg	100	104	104	78-122	
Bromodichloromethane	ug/kg	100	98.1	98	82-120	
Bromoform	ug/kg	100	109	109	77-133	
Bromomethane	ug/kg	100	85.0	85	20-168	
Carbon disulfide	ug/kg	100	115	115	60-133	
Carbon tetrachloride	ug/kg	100	100	100	79-128	
Chlorobenzene	ug/kg	100	98.2	98	84-118	
Chloroethane	ug/kg	100	90.3	90	53-139	
Chloroform	ug/kg	100	95.6	96	82-120	
Chloromethane	ug/kg	100	63.3	63	33-143	
cis-1,2-Dichloroethene	ug/kg	100	97.5	98	83-117	
cis-1,3-Dichloropropene	ug/kg	100	94.0	94	80-122	
Dibromochloromethane	ug/kg	100	110	110	82-128	
Dibromomethane	ug/kg	100	98.6	99	82-119	
Dichlorodifluoromethane	ug/kg	100	48.3	48	12-159	
Ethylbenzene	ug/kg	100	96.2	96	69-127	
Hexachloro-1,3-butadiene	ug/kg	100	99.4	99	77-133	
Isopropylbenzene (Cumene)	ug/kg	100	95.1	95	83-122	
Methyl-tert-butyl ether	ug/kg	100	94.5	94	58-137	
Methylene Chloride	ug/kg	100	96.7	97	68-125	
n-Butylbenzene	ug/kg	100	99.0	99	73-131	
n-Propylbenzene	ug/kg	100	96.6	97	82-122	
Naphthalene	ug/kg	100	102	102	60-136	
p-Isopropyltoluene	ug/kg	100	88.0	88	74-129	
sec-Butylbenzene	ug/kg	100	104	104	71-133	
Styrene	ug/kg	100	102	102	84-121	
tert-Butylbenzene	ug/kg	100	96.3	96	81-122	
Tetrachloroethene	ug/kg	100	103	103	78-130	
Toluene	ug/kg	100	94.8	95	80-118	

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QUALITY CONTROL DATA

Project: PINE LAWN

Pace Project No.: 60349454

LABORATORY CONTROL SAMPLE: 2749865

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
trans-1,2-Dichloroethene	ug/kg	100	102	102	78-118	
trans-1,3-Dichloropropene	ug/kg	100	102	102	81-123	
Trichloroethene	ug/kg	100	99.2	99	78-127	
Trichlorofluoromethane	ug/kg	100	104	104	64-133	
Vinyl chloride	ug/kg	100	77.6	78	45-139	
Xylene (Total)	ug/kg	300	289	96	69-130	
1,2-Dichloroethane-d4 (S)	%			94	78-118	
4-Bromofluorobenzene (S)	%			97	85-115	
Toluene-d8 (S)	%			104	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2749866 2749867

Parameter	Units	60349545029 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,1,1,2-Tetrachloroethane	ug/kg	ND	119	120	60.3	60.3	51	50	13-133	0	39	
1,1,1-Trichloroethane	ug/kg	ND	119	120	74.4	76.2	62	64	30-131	2	28	
1,1,2,2-Tetrachloroethane	ug/kg	ND	119	120	51.0	50.0	43	42	10-139	2	49	
1,1,2-Trichloroethane	ug/kg	ND	119	120	63.0	61.9	53	52	10-145	2	41	
1,1-Dichloroethane	ug/kg	ND	119	120	72.8	74.9	61	63	24-125	3	31	
1,1-Dichloroethene	ug/kg	ND	119	120	66.5	68.0	56	57	34-118	2	30	
1,1-Dichloropropene	ug/kg	ND	119	120	67.4	69.4	57	58	29-116	3	30	
1,2,3-Trichlorobenzene	ug/kg	ND	119	120	17.8	17.5	15	15	10-115	2	40	
1,2,3-Trichloropropane	ug/kg	ND	119	120	57.6	56.3	48	47	10-150	2	46	
1,2,4-Trichlorobenzene	ug/kg	ND	119	120	19.8	18.6	17	16	10-115	6	44	
1,2,4-Trimethylbenzene	ug/kg	ND	119	120	44.5	45.4	37	38	10-123	2	37	
1,2-Dibromo-3-chloropropane	ug/kg	ND	119	120	50.5	48.0	42	40	10-136	5	42	
1,2-Dibromoethane (EDB)	ug/kg	ND	119	120	61.4	61.5	51	51	24-149	0	29	
1,2-Dichlorobenzene	ug/kg	ND	119	120	35.0	34.2	29	29	10-123	2	41	
1,2-Dichloroethane	ug/kg	ND	119	120	59.7	59.9	50	50	23-140	0	29	
1,2-Dichloroethene (Total)	ug/kg	ND	239	240	140	141	59	59	30-119	1	32	
1,2-Dichloropropane	ug/kg	ND	119	120	64.5	64.0	54	53	13-132	1	33	
1,3,5-Trimethylbenzene	ug/kg	ND	119	120	47.7	49.4	40	41	10-124	3	40	
1,3-Dichlorobenzene	ug/kg	ND	119	120	38.6	37.8	32	32	10-122	2	42	
1,3-Dichloropropane	ug/kg	ND	119	120	62.3	61.9	52	52	10-135	1	36	
1,4-Dichlorobenzene	ug/kg	ND	119	120	36.6	35.7	31	30	10-120	3	38	
2,2-Dichloropropane	ug/kg	ND	119	120	71.3	73.1	60	61	22-135	2	31	
2-Butanone (MEK)	ug/kg	ND	596	599	340	314	57	52	12-127	8	37	
2-Chlorotoluene	ug/kg	ND	119	120	47.4	48.3	40	40	10-126	2	38	
2-Hexanone	ug/kg	ND	596	599	205	191	34	32	10-135	7	37	
4-Chlorotoluene	ug/kg	ND	119	120	45.3	45.6	38	38	10-129	1	40	
4-Methyl-2-pentanone (MIBK)	ug/kg	ND	596	599	271	258	45	43	10-129	5	36	
Acetone	ug/kg	ND	596	599	342	310	57	52	10-143	10	34	
Benzene	ug/kg	ND	119	120	65.8	66.4	55	55	37-135	1	24	
Bromobenzene	ug/kg	ND	119	120	48.6	48.3	41	40	10-134	1	45	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: PINE LAWN

Pace Project No.: 60349454

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2749866 2749867											
Parameter	Units	60349545029 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	Max RPD	Qual
Bromochloromethane	ug/kg	ND	119	120	71.4	71.4	60	60	17-129	0	34
Bromodichloromethane	ug/kg	ND	119	120	65.6	66.0	55	55	12-130	1	33
Bromoform	ug/kg	ND	119	120	56.4	55.4	47	46	10-135	2	39
Bromomethane	ug/kg	ND	119	120	35.7	35.2	30	29	10-124	1	41
Carbon disulfide	ug/kg	ND	119	120	61.6	60.8	52	51	17-116	1	28
Carbon tetrachloride	ug/kg	ND	119	120	76.4	79.8	64	67	29-127	4	35
Chlorobenzene	ug/kg	ND	119	120	58.8	58.6	49	49	10-133	0	33
Chloroethane	ug/kg	ND	119	120	51.5	49.9	43	42	25-116	3	33
Chloroform	ug/kg	ND	119	120	70.8	71.3	59	60	20-130	1	30
Chloromethane	ug/kg	ND	119	120	26.5	23.9	22	20	10-113	10	31
cis-1,2-Dichloroethene	ug/kg	ND	119	120	69.5	69.4	58	58	22-126	0	31
cis-1,3-Dichloropropene	ug/kg	ND	119	120	48.6	48.1	41	40	10-125	1	34
Dibromochloromethane	ug/kg	ND	119	120	64.3	63.6	54	53	10-138	1	38
Dibromomethane	ug/kg	ND	119	120	66.7	67.0	56	56	13-129	1	38
Dichlorodifluoromethane	ug/kg	ND	119	120	16.5	13.3	14	11	10-114	21	33
Ethylbenzene	ug/kg	ND	119	120	61.6	62.9	52	53	31-142	2	25
Hexachloro-1,3-butadiene	ug/kg	ND	119	120	25.9	29.3	22	24	10-124	12	41
Isopropylbenzene (Cumene)	ug/kg	ND	119	120	57.2	59.9	48	50	17-120	5	34
Methyl-tert-butyl ether	ug/kg	ND	119	120	56.9	57.6	48	48	30-143	1	28
Methylene Chloride	ug/kg	ND	119	120	64.3	63.9	51	50	24-121	1	33
n-Butylbenzene	ug/kg	ND	119	120	37.7	40.2	32	34	10-121	6	36
n-Propylbenzene	ug/kg	ND	119	120	52.8	54.6	44	46	12-125	3	37
Naphthalene	ug/kg	ND	119	120	27.9	26.9	23	22	10-156	4	34
p-Isopropyltoluene	ug/kg	ND	119	120	38.9	41.3	33	34	10-119	6	37
sec-Butylbenzene	ug/kg	ND	119	120	48.8	52.9	41	44	10-127	8	40
Styrene	ug/kg	ND	119	120	51.2	50.6	43	42	10-124	1	37
tert-Butylbenzene	ug/kg	ND	119	120	49.9	53.2	42	44	10-126	7	37
Tetrachloroethene	ug/kg	ND	119	120	69.9	72.9	59	61	15-133	4	36
Toluene	ug/kg	ND	119	120	65.7	66.4	55	55	40-137	1	25
trans-1,2-Dichloroethene	ug/kg	ND	119	120	70.4	71.9	59	60	22-129	2	34
trans-1,3-Dichloropropene	ug/kg	ND	119	120	52.5	53.1	44	44	10-130	1	35
Trichloroethene	ug/kg	ND	119	120	74.1	74.4	62	62	19-135	0	34
Trichlorofluoromethane	ug/kg	ND	119	120	63.9	63.7	54	53	16-132	0	28
Vinyl chloride	ug/kg	ND	119	120	38.4	35.1	32	29	14-116	9	28
Xylene (Total)	ug/kg	ND	357	359	175	179	49	50	19-153	2	27
1,2-Dichloroethane-d4 (S)	%						101	101	78-118		
4-Bromofluorobenzene (S)	%						97	97	85-115		
Toluene-d8 (S)	%						103	102	80-120		

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: PINE LAWN
Pace Project No.: 60349454

QC Batch: 680236	Analysis Method: EPA 8260B
QC Batch Method: EPA 5035A/5030B	Analysis Description: 8260 MSV 5035A Volatile Organics
	Laboratory: Pace Analytical Services - Kansas City

Associated Lab Samples: 60349454002

METHOD BLANK: 2749869 Matrix: Solid

Associated Lab Samples: 60349454002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	ND	250	10/01/20 19:05	
1,1,1-Trichloroethane	ug/kg	ND	250	10/01/20 19:05	
1,1,2,2-Tetrachloroethane	ug/kg	ND	250	10/01/20 19:05	
1,1,2-Trichloroethane	ug/kg	ND	250	10/01/20 19:05	
1,1-Dichloroethane	ug/kg	ND	250	10/01/20 19:05	
1,1-Dichloroethene	ug/kg	ND	250	10/01/20 19:05	
1,1-Dichloropropene	ug/kg	ND	250	10/01/20 19:05	
1,2,3-Trichlorobenzene	ug/kg	ND	250	10/01/20 19:05	
1,2,3-Trichloropropane	ug/kg	ND	250	10/01/20 19:05	
1,2,4-Trichlorobenzene	ug/kg	ND	250	10/01/20 19:05	
1,2,4-Trimethylbenzene	ug/kg	ND	250	10/01/20 19:05	
1,2-Dibromo-3-chloropropane	ug/kg	ND	500	10/01/20 19:05	
1,2-Dibromoethane (EDB)	ug/kg	ND	250	10/01/20 19:05	
1,2-Dichlorobenzene	ug/kg	ND	250	10/01/20 19:05	
1,2-Dichloroethane	ug/kg	ND	250	10/01/20 19:05	
1,2-Dichloroethene (Total)	ug/kg	ND	250	10/01/20 19:05	
1,2-Dichloropropane	ug/kg	ND	250	10/01/20 19:05	
1,3,5-Trimethylbenzene	ug/kg	ND	250	10/01/20 19:05	
1,3-Dichlorobenzene	ug/kg	ND	250	10/01/20 19:05	
1,3-Dichloropropane	ug/kg	ND	250	10/01/20 19:05	
1,4-Dichlorobenzene	ug/kg	ND	250	10/01/20 19:05	
2,2-Dichloropropane	ug/kg	ND	250	10/01/20 19:05	
2-Butanone (MEK)	ug/kg	ND	500	10/01/20 19:05	
2-Chlorotoluene	ug/kg	ND	250	10/01/20 19:05	
2-Hexanone	ug/kg	ND	1000	10/01/20 19:05	
4-Chlorotoluene	ug/kg	ND	250	10/01/20 19:05	
4-Methyl-2-pentanone (MIBK)	ug/kg	ND	500	10/01/20 19:05	
Acetone	ug/kg	ND	1000	10/01/20 19:05	
Benzene	ug/kg	ND	250	10/01/20 19:05	
Bromobenzene	ug/kg	ND	250	10/01/20 19:05	
Bromochloromethane	ug/kg	ND	250	10/01/20 19:05	
Bromodichloromethane	ug/kg	ND	250	10/01/20 19:05	
Bromoform	ug/kg	ND	250	10/01/20 19:05	
Bromomethane	ug/kg	ND	250	10/01/20 19:05	
Carbon disulfide	ug/kg	ND	250	10/01/20 19:05	
Carbon tetrachloride	ug/kg	ND	250	10/01/20 19:05	
Chlorobenzene	ug/kg	ND	250	10/01/20 19:05	
Chloroethane	ug/kg	ND	250	10/01/20 19:05	
Chloroform	ug/kg	ND	250	10/01/20 19:05	
Chloromethane	ug/kg	ND	250	10/01/20 19:05	

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QUALITY CONTROL DATA

Project: PINE LAWN

Pace Project No.: 60349454

METHOD BLANK: 2749869

Matrix: Solid

Associated Lab Samples: 60349454002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
cis-1,2-Dichloroethene	ug/kg	ND	250	10/01/20 19:05	
cis-1,3-Dichloropropene	ug/kg	ND	250	10/01/20 19:05	
Dibromochloromethane	ug/kg	ND	250	10/01/20 19:05	
Dibromomethane	ug/kg	ND	250	10/01/20 19:05	
Dichlorodifluoromethane	ug/kg	ND	250	10/01/20 19:05	
Ethylbenzene	ug/kg	ND	250	10/01/20 19:05	
Hexachloro-1,3-butadiene	ug/kg	ND	250	10/01/20 19:05	
Isopropylbenzene (Cumene)	ug/kg	ND	250	10/01/20 19:05	
Methyl-tert-butyl ether	ug/kg	ND	250	10/01/20 19:05	
Methylene Chloride	ug/kg	ND	250	10/01/20 19:05	
n-Butylbenzene	ug/kg	ND	250	10/01/20 19:05	
n-Propylbenzene	ug/kg	ND	250	10/01/20 19:05	
Naphthalene	ug/kg	ND	500	10/01/20 19:05	
p-Isopropyltoluene	ug/kg	ND	250	10/01/20 19:05	
sec-Butylbenzene	ug/kg	ND	250	10/01/20 19:05	
Styrene	ug/kg	ND	250	10/01/20 19:05	
tert-Butylbenzene	ug/kg	ND	1250	10/01/20 19:05	
Tetrachloroethene	ug/kg	ND	250	10/01/20 19:05	
Toluene	ug/kg	ND	250	10/01/20 19:05	
trans-1,2-Dichloroethene	ug/kg	ND	250	10/01/20 19:05	
trans-1,3-Dichloropropene	ug/kg	ND	250	10/01/20 19:05	
Trichloroethene	ug/kg	ND	250	10/01/20 19:05	
Trichlorofluoromethane	ug/kg	ND	250	10/01/20 19:05	
Vinyl chloride	ug/kg	ND	250	10/01/20 19:05	
Xylene (Total)	ug/kg	ND	250	10/01/20 19:05	
1,2-Dichloroethane-d4 (S)	%	94	78-118	10/01/20 19:05	
4-Bromofluorobenzene (S)	%	98	83-119	10/01/20 19:05	
Toluene-d8 (S)	%	103	80-120	10/01/20 19:05	

LABORATORY CONTROL SAMPLE: 2749870

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	5000	5480	110	80-119	
1,1,1-Trichloroethane	ug/kg	5000	4870	97	77-121	
1,1,2,2-Tetrachloroethane	ug/kg	5000	4810	96	74-116	
1,1,2-Trichloroethane	ug/kg	5000	5340	107	76-115	
1,1-Dichloroethane	ug/kg	5000	4860	97	77-120	
1,1-Dichloroethene	ug/kg	5000	5090	102	66-129	
1,1-Dichloropropene	ug/kg	5000	4290	86	79-121	
1,2,3-Trichlorobenzene	ug/kg	5000	5170	103	80-120	
1,2,3-Trichloropropane	ug/kg	5000	5000	100	74-118	
1,2,4-Trichlorobenzene	ug/kg	5000	5100	102	75-120	
1,2,4-Trimethylbenzene	ug/kg	5000	5020	100	77-116	
1,2-Dibromo-3-chloropropane	ug/kg	5000	4740	95	74-121	

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QUALITY CONTROL DATA

Project: PINE LAWN

Pace Project No.: 60349454

LABORATORY CONTROL SAMPLE: 2749870

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dibromoethane (EDB)	ug/kg	5000	5500	110	80-117	
1,2-Dichlorobenzene	ug/kg	5000	5210	104	48-146	
1,2-Dichloroethane	ug/kg	5000	4730	95	74-110	
1,2-Dichloroethene (Total)	ug/kg	10000	10300	103	79-120	
1,2-Dichloropropane	ug/kg	5000	4950	99	79-115	
1,3,5-Trimethylbenzene	ug/kg	5000	5020	100	76-115	
1,3-Dichlorobenzene	ug/kg	5000	5190	104	76-115	
1,3-Dichloropropane	ug/kg	5000	5230	105	75-111	
1,4-Dichlorobenzene	ug/kg	5000	4850	97	73-119	
2,2-Dichloropropane	ug/kg	5000	4670	93	76-121	
2-Butanone (MEK)	ug/kg	25000	22400	90	70-116	
2-Chlorotoluene	ug/kg	5000	4980	100	78-117	
2-Hexanone	ug/kg	25000	23400	93	71-117	
4-Chlorotoluene	ug/kg	5000	5090	102	77-115	
4-Methyl-2-pentanone (MIBK)	ug/kg	25000	23100	92	73-116	
Acetone	ug/kg	25000	21700	87	60-125	
Benzene	ug/kg	5000	4830	97	73-117	
Bromobenzene	ug/kg	5000	5280	106	79-115	
Bromochloromethane	ug/kg	5000	5480	110	76-116	
Bromodichloromethane	ug/kg	5000	5270	105	80-120	
Bromoform	ug/kg	5000	5810	116	77-127	
Bromomethane	ug/kg	5000	4750	95	29-165	
Carbon disulfide	ug/kg	5000	5770	115	54-133	
Carbon tetrachloride	ug/kg	5000	5220	104	78-126	
Chlorobenzene	ug/kg	5000	5250	105	63-130	
Chloroethane	ug/kg	5000	4530	91	31-170	
Chloroform	ug/kg	5000	5110	102	80-118	
Chloromethane	ug/kg	5000	3200	64	10-168	
cis-1,2-Dichloroethene	ug/kg	5000	5150	103	80-117	
cis-1,3-Dichloropropene	ug/kg	5000	5010	100	80-120	
Dibromochloromethane	ug/kg	5000	5880	118	78-122	
Dibromomethane	ug/kg	5000	5220	104	78-119	
Dichlorodifluoromethane	ug/kg	5000	2290	46	10-206	
Ethylbenzene	ug/kg	5000	5020	100	73-121	
Hexachloro-1,3-butadiene	ug/kg	5000	4960	99	75-129	
Isopropylbenzene (Cumene)	ug/kg	5000	4950	99	74-115	
Methyl-tert-butyl ether	ug/kg	5000	4890	98	73-129	
Methylene Chloride	ug/kg	5000	5020	100	70-128	
n-Butylbenzene	ug/kg	5000	5050	101	78-123	
n-Propylbenzene	ug/kg	5000	4990	100	77-120	
Naphthalene	ug/kg	5000	5320	106	76-120	
p-Isopropyltoluene	ug/kg	5000	4540	91	78-117	
sec-Butylbenzene	ug/kg	5000	5370	107	83-126	
Styrene	ug/kg	5000	5440	109	80-117	
tert-Butylbenzene	ug/kg	5000	4990	100	79-117	
Tetrachloroethene	ug/kg	5000	5360	107	72-122	
Toluene	ug/kg	5000	5030	101	77-119	

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QUALITY CONTROL DATA

Project: PINE LAWN

Pace Project No.: 60349454

LABORATORY CONTROL SAMPLE: 2749870

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
trans-1,2-Dichloroethene	ug/kg	5000	5190	104	75-123	
trans-1,3-Dichloropropene	ug/kg	5000	5400	108	79-124	
Trichloroethene	ug/kg	5000	5140	103	82-128	
Trichlorofluoromethane	ug/kg	5000	5140	103	56-129	
Vinyl chloride	ug/kg	5000	3880	78	36-176	
Xylene (Total)	ug/kg	15000	15300	102	76-119	
1,2-Dichloroethane-d4 (S)	%			93	78-118	
4-Bromofluorobenzene (S)	%			95	83-119	
Toluene-d8 (S)	%			104	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2749871 2749872

Parameter	Units	60348959001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,1,1,2-Tetrachloroethane	ug/kg	ND	7860	7860	7130	7740	91	98	12-128	8	59	
1,1,1-Trichloroethane	ug/kg	ND	7860	7860	6040	6680	77	85	15-131	10	75	
1,1,2,2-Tetrachloroethane	ug/kg	ND	7860	7860	9610	10400	122	132	10-132	8	65	
1,1,2-Trichloroethane	ug/kg	ND	7860	7860	7490	8040	95	102	14-132	7	54	
1,1-Dichloroethane	ug/kg	ND	7860	7860	6460	7180	82	91	23-126	10	64	
1,1-Dichloroethene	ug/kg	ND	7860	7860	5080	5540	65	71	20-129	9	80	
1,1-Dichloropropene	ug/kg	ND	7860	7860	5660	6180	72	79	15-127	9	78	
1,2,3-Trichlorobenzene	ug/kg	ND	7860	7860	7110	7850	90	100	10-124	10	67	
1,2,3-Trichloropropane	ug/kg	ND	7860	7860	9620	9960	122	127	19-125	4	51 M1	
1,2,4-Trichlorobenzene	ug/kg	ND	7860	7860	7180	7590	91	97	10-129	6	73	
1,2,4-Trimethylbenzene	ug/kg	ND	7860	7860	6820	7390	87	94	10-124	8	68	
1,2-Dibromo-3-chloropropane	ug/kg	ND	7860	7860	6930	7600	88	97	10-135	9	56	
1,2-Dibromoethane (EDB)	ug/kg	ND	7860	7860	7500	8130	95	103	23-123	8	50	
1,2-Dichlorobenzene	ug/kg	ND	7860	7860	7190	7820	91	100	10-126	8	60	
1,2-Dichloroethane	ug/kg	ND	7860	7860	6330	7010	80	89	27-116	10	45	
1,2-Dichloroethene (Total)	ug/kg	ND	15700	15700	12400	13700	79	87	20-127	9	64	
1,2-Dichloropropane	ug/kg	ND	7860	7860	6610	7290	84	93	21-125	10	57	
1,3,5-Trimethylbenzene	ug/kg	ND	7860	7860	6810	7390	87	94	10-125	8	65	
1,3-Dichlorobenzene	ug/kg	ND	7860	7860	6970	7490	89	95	10-126	7	63	
1,3-Dichloropropane	ug/kg	ND	7860	7860	7120	7720	91	98	24-114	8	51	
1,4-Dichlorobenzene	ug/kg	ND	7860	7860	6740	7280	86	93	10-126	8	62	
2,2-Dichloropropane	ug/kg	ND	7860	7860	5700	6310	73	80	17-124	10	70	
2-Butanone (MEK)	ug/kg	ND	39400	39400	31200	35300	79	90	29-120	12	50	
2-Chlorotoluene	ug/kg	ND	7860	7860	6570	7180	84	91	10-138	9	70	
2-Hexanone	ug/kg	ND	39400	39400	32700	36400	83	93	25-121	11	51	
4-Chlorotoluene	ug/kg	ND	7860	7860	6760	7380	86	94	10-112	9	62	
4-Methyl-2-pentanone (MIBK)	ug/kg	ND	39400	39400	32000	36200	81	92	23-131	13	50	
Acetone	ug/kg	ND	39400	39400	29600	32300	75	81	15-129	9	49	
Benzene	ug/kg	ND	7860	7860	6240	6780	79	86	17-134	8	53	
Bromobenzene	ug/kg	ND	7860	7860	7120	7760	91	99	10-129	9	63	

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QUALITY CONTROL DATA

Project: PINE LAWN

Pace Project No.: 60349454

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2749871 2749872											
Parameter	Units	60348959001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	Max RPD	Qual
Bromochloromethane	ug/kg	ND	7860	7860	7200	7790	92	99	28-118	8	53
Bromodichloromethane	ug/kg	ND	7860	7860	6930	7590	88	97	21-126	9	59
Bromoform	ug/kg	ND	7860	7860	7440	8270	95	105	14-127	10	60
Bromomethane	ug/kg	ND	7860	7860	2100	2190	26	27	10-121	4	67
Carbon disulfide	ug/kg	ND	7860	7860	4670	5090	59	65	10-122	9	78
Carbon tetrachloride	ug/kg	ND	7860	7860	6100	6680	78	85	10-134	9	82
Chlorobenzene	ug/kg	ND	7860	7860	7180	7720	91	98	10-126	7	60
Chloroethane	ug/kg	ND	7860	7860	1400	1490	18	19	10-133	6	79
Chloroform	ug/kg	ND	7860	7860	6690	7320	85	93	24-126	9	60
Chloromethane	ug/kg	ND	7860	7860	1890	2020	24	26	10-125	7	78
cis-1,2-Dichloroethene	ug/kg	ND	7860	7860	6560	7200	83	92	18-131	9	62
cis-1,3-Dichloropropene	ug/kg	ND	7860	7860	6620	7350	84	94	24-117	10	60
Dibromochloromethane	ug/kg	ND	7860	7860	7480	8110	95	103	22-117	8	59
Dibromomethane	ug/kg	ND	7860	7860	7090	7760	90	99	29-118	9	52
Dichlorodifluoromethane	ug/kg	ND	7860	7860	844	909	11	12	10-161	7	84
Ethylbenzene	ug/kg	ND	7860	7860	6910	7410	88	94	10-137	7	60
Hexachloro-1,3-butadiene	ug/kg	ND	7860	7860	7130	7690	91	98	10-124	8	76
Isopropylbenzene (Cumene)	ug/kg	ND	7860	7860	6980	7500	89	95	10-123	7	72
Methyl-tert-butyl ether	ug/kg	ND	7860	7860	6140	6960	78	88	31-126	12	42
Methylene Chloride	ug/kg	ND	7860	7860	6050	6730	73	82	23-117	11	59
n-Butylbenzene	ug/kg	ND	7860	7860	7160	7740	89	97	10-130	8	78
n-Propylbenzene	ug/kg	ND	7860	7860	6570	7170	84	91	10-121	9	70
Naphthalene	ug/kg	ND	7860	7860	7530	8240	96	105	10-131	9	63
p-Isopropyltoluene	ug/kg	ND	7860	7860	6470	7040	82	90	10-127	8	76
sec-Butylbenzene	ug/kg	533	7860	7860	7630	8260	90	98	10-137	8	81
Styrene	ug/kg	ND	7860	7860	7320	7990	93	102	10-119	9	56
tert-Butylbenzene	ug/kg	ND	7860	7860	6830	7420	86	93	10-121	8	80
Tetrachloroethene	ug/kg	ND	7860	7860	7000	7430	89	94	10-131	6	78
Toluene	ug/kg	ND	7860	7860	6630	7160	84	91	13-131	8	60
trans-1,2-Dichloroethene	ug/kg	ND	7860	7860	5880	6460	75	82	22-125	9	70
trans-1,3-Dichloropropene	ug/kg	ND	7860	7860	7070	7670	90	98	20-122	8	54
Trichloroethene	ug/kg	ND	7860	7860	6700	7290	85	93	14-144	8	69
Trichlorofluoromethane	ug/kg	ND	7860	7860	4790	5280	61	67	10-134	10	86
Vinyl chloride	ug/kg	ND	7860	7860	2170	2390	28	30	10-141	10	81
Xylene (Total)	ug/kg	ND	23600	23600	20700	22500	88	95	10-137	8	58
1,2-Dichloroethane-d4 (S)	%						95	95	78-118		
4-Bromofluorobenzene (S)	%						96	95	83-119		
Toluene-d8 (S)	%						105	101	80-120		

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: PINE LAWN

Pace Project No.: 60349454

QC Batch: 680237

Analysis Method: EPA 5035A/8260

QC Batch Method: EPA 5035/5030

Analysis Description: 8260 MSV GRO and Oxygenates

Laboratory: Pace Analytical Services - Kansas City

Associated Lab Samples: 60349454002

METHOD BLANK: 2749873

Matrix: Solid

Associated Lab Samples: 60349454002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
TPH-GRO	mg/kg	ND	25.0	10/01/20 19:05	
1,2-Dichloroethane-d4 (S)	%	94	78-118	10/01/20 19:05	
4-Bromofluorobenzene (S)	%	98	85-115	10/01/20 19:05	
Toluene-d8 (S)	%	103	80-120	10/01/20 19:05	

LABORATORY CONTROL SAMPLE: 2749874

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
TPH-GRO	mg/kg	200	144	72	55-162	
1,2-Dichloroethane-d4 (S)	%			94	78-118	
4-Bromofluorobenzene (S)	%			99	85-115	
Toluene-d8 (S)	%			104	80-120	

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QUALITY CONTROL DATA

Project: PINE LAWN

Pace Project No.: 60349454

QC Batch: 679382

Analysis Method: EPA 5030B/8260

QC Batch Method: EPA 5030B/8260

Analysis Description: 8260 MSV Water 10 mL Purge

Laboratory: Pace Analytical Services - Kansas City

Associated Lab Samples: 60349454003

METHOD BLANK: 2747154

Matrix: Water

Associated Lab Samples: 60349454003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	1.0	09/29/20 03:31	
1,1,1-Trichloroethane	ug/L	ND	1.0	09/29/20 03:31	
1,1,2,2-Tetrachloroethane	ug/L	ND	1.0	09/29/20 03:31	
1,1,2-Trichloroethane	ug/L	ND	1.0	09/29/20 03:31	
1,1-Dichloroethane	ug/L	ND	1.0	09/29/20 03:31	
1,1-Dichloroethene	ug/L	ND	1.0	09/29/20 03:31	
1,1-Dichloropropene	ug/L	ND	1.0	09/29/20 03:31	
1,2,3-Trichlorobenzene	ug/L	ND	1.0	09/29/20 03:31	
1,2,3-Trichloropropane	ug/L	ND	2.5	09/29/20 03:31	
1,2,4-Trichlorobenzene	ug/L	ND	1.0	09/29/20 03:31	
1,2,4-Trimethylbenzene	ug/L	ND	1.0	09/29/20 03:31	
1,2-Dibromo-3-chloropropane	ug/L	ND	2.5	09/29/20 03:31	
1,2-Dibromoethane (EDB)	ug/L	ND	1.0	09/29/20 03:31	
1,2-Dichlorobenzene	ug/L	ND	1.0	09/29/20 03:31	
1,2-Dichloroethane	ug/L	ND	1.0	09/29/20 03:31	
1,2-Dichloroethene (Total)	ug/L	ND	1.0	09/29/20 03:31	
1,2-Dichloropropane	ug/L	ND	1.0	09/29/20 03:31	
1,3,5-Trimethylbenzene	ug/L	ND	1.0	09/29/20 03:31	
1,3-Dichlorobenzene	ug/L	ND	1.0	09/29/20 03:31	
1,3-Dichloropropane	ug/L	ND	1.0	09/29/20 03:31	
1,4-Dichlorobenzene	ug/L	ND	1.0	09/29/20 03:31	
2,2-Dichloropropane	ug/L	ND	1.0	09/29/20 03:31	
2-Butanone (MEK)	ug/L	ND	10.0	09/29/20 03:31	
2-Chlorotoluene	ug/L	ND	1.0	09/29/20 03:31	
2-Hexanone	ug/L	ND	10.0	09/29/20 03:31	
4-Chlorotoluene	ug/L	ND	1.0	09/29/20 03:31	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	10.0	09/29/20 03:31	
Acetone	ug/L	ND	10.0	09/29/20 03:31	
Benzene	ug/L	ND	1.0	09/29/20 03:31	
Bromobenzene	ug/L	ND	1.0	09/29/20 03:31	
Bromochloromethane	ug/L	ND	1.0	09/29/20 03:31	
Bromodichloromethane	ug/L	ND	1.0	09/29/20 03:31	
Bromoform	ug/L	ND	1.0	09/29/20 03:31	
Bromomethane	ug/L	ND	5.0	09/29/20 03:31	
Carbon disulfide	ug/L	ND	5.0	09/29/20 03:31	
Carbon tetrachloride	ug/L	ND	1.0	09/29/20 03:31	
Chlorobenzene	ug/L	ND	1.0	09/29/20 03:31	
Chloroethane	ug/L	ND	1.0	09/29/20 03:31	
Chloroform	ug/L	ND	1.0	09/29/20 03:31	
Chloromethane	ug/L	ND	1.0	09/29/20 03:31	

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QUALITY CONTROL DATA

Project: PINE LAWN

Pace Project No.: 60349454

METHOD BLANK: 2747154

Matrix: Water

Associated Lab Samples: 60349454003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
cis-1,2-Dichloroethene	ug/L	ND	1.0	09/29/20 03:31	
cis-1,3-Dichloropropene	ug/L	ND	1.0	09/29/20 03:31	
Dibromochloromethane	ug/L	ND	1.0	09/29/20 03:31	
Dibromomethane	ug/L	ND	1.0	09/29/20 03:31	
Dichlorodifluoromethane	ug/L	ND	1.0	09/29/20 03:31	
Ethylbenzene	ug/L	ND	1.0	09/29/20 03:31	
Hexachloro-1,3-butadiene	ug/L	ND	1.0	09/29/20 03:31	
Isopropylbenzene (Cumene)	ug/L	ND	1.0	09/29/20 03:31	
Methyl-tert-butyl ether	ug/L	ND	1.0	09/29/20 03:31	
Methylene Chloride	ug/L	ND	1.0	09/29/20 03:31	
n-Butylbenzene	ug/L	ND	1.0	09/29/20 03:31	
n-Propylbenzene	ug/L	ND	1.0	09/29/20 03:31	
Naphthalene	ug/L	ND	10.0	09/29/20 03:31	
p-Isopropyltoluene	ug/L	ND	1.0	09/29/20 03:31	
sec-Butylbenzene	ug/L	ND	1.0	09/29/20 03:31	
Styrene	ug/L	ND	1.0	09/29/20 03:31	
tert-Butylbenzene	ug/L	ND	1.0	09/29/20 03:31	
Tetrachloroethene	ug/L	ND	1.0	09/29/20 03:31	
Toluene	ug/L	ND	1.0	09/29/20 03:31	
trans-1,2-Dichloroethene	ug/L	ND	1.0	09/29/20 03:31	
trans-1,3-Dichloropropene	ug/L	ND	1.0	09/29/20 03:31	
Trichloroethene	ug/L	ND	1.0	09/29/20 03:31	
Trichlorofluoromethane	ug/L	ND	1.0	09/29/20 03:31	
Vinyl chloride	ug/L	ND	1.0	09/29/20 03:31	
Xylene (Total)	ug/L	ND	3.0	09/29/20 03:31	
1,2-Dichloroethane-d4 (S)	%	98	86-117	09/29/20 03:31	
4-Bromofluorobenzene (S)	%	100	80-120	09/29/20 03:31	
Toluene-d8 (S)	%	102	80-120	09/29/20 03:31	

LABORATORY CONTROL SAMPLE: 2747155

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	20	19.8	99	85-118	
1,1,1-Trichloroethane	ug/L	20	20.2	101	85-118	
1,1,2,2-Tetrachloroethane	ug/L	20	16.8	84	78-118	
1,1,2-Trichloroethane	ug/L	20	20.9	105	82-117	
1,1-Dichloroethane	ug/L	20	20.4	102	85-120	
1,1-Dichloroethene	ug/L	20	19.2	96	81-124	
1,1-Dichloropropene	ug/L	20	18.7	94	71-119	
1,2,3-Trichlorobenzene	ug/L	20	20.0	100	76-120	
1,2,3-Trichloropropane	ug/L	20	20.6	103	78-123	
1,2,4-Trichlorobenzene	ug/L	20	19.7	98	77-117	
1,2,4-Trimethylbenzene	ug/L	20	20.4	102	85-120	
1,2-Dibromo-3-chloropropane	ug/L	20	18.9	95	68-125	

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QUALITY CONTROL DATA

Project: PINE LAWN

Pace Project No.: 60349454

LABORATORY CONTROL SAMPLE: 2747155

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dibromoethane (EDB)	ug/L	20	20.5	102	83-120	
1,2-Dichlorobenzene	ug/L	20	20.9	105	80-120	
1,2-Dichloroethane	ug/L	20	19.1	95	79-118	
1,2-Dichloroethene (Total)	ug/L	40	38.8	97	84-118	
1,2-Dichloropropane	ug/L	20	20.2	101	85-117	
1,3,5-Trimethylbenzene	ug/L	20	20.7	103	80-118	
1,3-Dichlorobenzene	ug/L	20	20.1	100	80-120	
1,3-Dichloropropane	ug/L	20	20.3	102	85-120	
1,4-Dichlorobenzene	ug/L	20	20.1	100	84-115	
2,2-Dichloropropane	ug/L	20	13.8	69	60-129	
2-Butanone (MEK)	ug/L	100	99.0	99	70-125	
2-Chlorotoluene	ug/L	20	21.4	107	84-115	
2-Hexanone	ug/L	100	99.0	99	76-126	
4-Chlorotoluene	ug/L	20	21.0	105	83-116	
4-Methyl-2-pentanone (MIBK)	ug/L	100	106	106	73-131	
Acetone	ug/L	100	91.9	92	59-135	
Benzene	ug/L	20	19.7	99	82-115	
Bromobenzene	ug/L	20	21.1	105	84-115	
Bromochloromethane	ug/L	20	19.8	99	85-125	
Bromodichloromethane	ug/L	20	19.8	99	82-123	
Bromoform	ug/L	20	19.5	98	66-133	
Bromomethane	ug/L	20	21.9	110	27-179	
Carbon disulfide	ug/L	20	22.8	114	72-134	
Carbon tetrachloride	ug/L	20	20.1	100	80-121	
Chlorobenzene	ug/L	20	20.6	103	80-120	
Chloroethane	ug/L	20	20.4	102	78-145	
Chloroform	ug/L	20	20.6	103	84-116	
Chloromethane	ug/L	20	20.0	100	48-160	
cis-1,2-Dichloroethene	ug/L	20	19.1	95	85-115	
cis-1,3-Dichloropropene	ug/L	20	18.8	94	85-117	
Dibromochloromethane	ug/L	20	19.8	99	82-122	
Dibromomethane	ug/L	20	19.9	99	81-122	
Dichlorodifluoromethane	ug/L	20	8.3	42	50-173	L2
Ethylbenzene	ug/L	20	19.9	100	79-115	
Hexachloro-1,3-butadiene	ug/L	20	19.4	97	75-120	
Isopropylbenzene (Cumene)	ug/L	20	19.8	99	84-117	
Methyl-tert-butyl ether	ug/L	20	19.8	99	77-126	
Methylene Chloride	ug/L	20	19.5	97	80-126	
n-Butylbenzene	ug/L	20	20.5	103	81-120	
n-Propylbenzene	ug/L	20	20.8	104	80-116	
Naphthalene	ug/L	20	20.5	102	73-126	
p-Isopropyltoluene	ug/L	20	18.4	92	74-121	
sec-Butylbenzene	ug/L	20	22.2	111	75-130	
Styrene	ug/L	20	20.9	105	80-117	
tert-Butylbenzene	ug/L	20	21.0	105	84-116	
Tetrachloroethene	ug/L	20	20.6	103	83-119	
Toluene	ug/L	20	20.4	102	83-115	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: PINE LAWN

Pace Project No.: 60349454

LABORATORY CONTROL SAMPLE: 2747155

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
trans-1,2-Dichloroethene	ug/L	20	19.7	99	80-124	
trans-1,3-Dichloropropene	ug/L	20	19.9	99	83-117	
Trichloroethene	ug/L	20	23.3	117	80-118	
Trichlorofluoromethane	ug/L	20	19.8	99	83-133	
Vinyl chloride	ug/L	20	16.1	81	76-144	
Xylene (Total)	ug/L	60	62.1	103	82-120	
1,2-Dichloroethane-d4 (S)	%			100	86-117	
4-Bromofluorobenzene (S)	%			99	80-120	
Toluene-d8 (S)	%			102	80-120	

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QUALITY CONTROL DATA

Project: PINE LAWN
Pace Project No.: 60349454

QC Batch: 680451	Analysis Method: EPA 8260
QC Batch Method: EPA 8260	Analysis Description: 8260 MSV MO GRO Oxygenates
	Laboratory: Pace Analytical Services - Kansas City

Associated Lab Samples: 60349454003

METHOD BLANK: 2750713 Matrix: Water

Associated Lab Samples: 60349454003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
TPH-GRO	ug/L	ND	500	10/02/20 09:59	
1,2-Dichloroethane-d4 (S)	%	100	86-117	10/02/20 09:59	
4-Bromofluorobenzene (S)	%	93	80-120	10/02/20 09:59	
Toluene-d8 (S)	%	101	80-120	10/02/20 09:59	

LABORATORY CONTROL SAMPLE: 2750714

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
TPH-GRO	ug/L	4000	3640	91	55-125	
1,2-Dichloroethane-d4 (S)	%			105	86-117	
4-Bromofluorobenzene (S)	%			96	80-120	
Toluene-d8 (S)	%			98	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2750715 2750716

Parameter	Units	60349989004 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,2-Dichloroethane-d4 (S)	%						99	102	86-117			
4-Bromofluorobenzene (S)	%						98	96	80-120			
Toluene-d8 (S)	%						100	101	80-120			
Preservation pH		1.0			1.0	1.0				0	0	

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QUALITY CONTROL DATA

Project: PINE LAWN

Pace Project No.: 60349454

QC Batch: 680122

Analysis Method: EPA 8260

QC Batch Method: EPA 5035

Analysis Description: 8260 MSV GRO and Oxygenates

Laboratory: Pace Analytical Services - Kansas City

Associated Lab Samples: 60349454001, 60349454005, 60349454006, 60349454007

METHOD BLANK: 2749547

Matrix: Solid

Associated Lab Samples: 60349454001, 60349454005, 60349454006, 60349454007

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
TPH-GRO	mg/kg	ND	0.50	10/01/20 10:01	
1,2-Dichloroethane-d4 (S)	%	96	80-123	10/01/20 10:01	
4-Bromofluorobenzene (S)	%	97	69-133	10/01/20 10:01	
Toluene-d8 (S)	%	102	78-122	10/01/20 10:01	

LABORATORY CONTROL SAMPLE: 2749548

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
TPH-GRO	mg/kg	4	3.1	79	61-140	
1,2-Dichloroethane-d4 (S)	%			96	80-123	
4-Bromofluorobenzene (S)	%			98	69-133	
Toluene-d8 (S)	%			103	78-122	

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QUALITY CONTROL DATA

Project: PINE LAWN
Pace Project No.: 60349454

QC Batch:	679802	Analysis Method:	EPA 8082
QC Batch Method:	EPA 3546	Analysis Description:	8082 GCS PCB
		Laboratory:	Pace Analytical Services - Kansas City

Associated Lab Samples: 60349454001, 60349454002, 60349454005

METHOD BLANK: 2748474 Matrix: Solid
Associated Lab Samples: 60349454001, 60349454002, 60349454005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
PCB-1016 (Aroclor 1016)	ug/kg	ND	31.7	10/02/20 11:45	
PCB-1221 (Aroclor 1221)	ug/kg	ND	31.7	10/02/20 11:45	
PCB-1232 (Aroclor 1232)	ug/kg	ND	31.7	10/02/20 11:45	
PCB-1242 (Aroclor 1242)	ug/kg	ND	31.7	10/02/20 11:45	
PCB-1248 (Aroclor 1248)	ug/kg	ND	31.7	10/02/20 11:45	
PCB-1254 (Aroclor 1254)	ug/kg	ND	31.7	10/02/20 11:45	
PCB-1260 (Aroclor 1260)	ug/kg	ND	31.7	10/02/20 11:45	
Decachlorobiphenyl (S)	%	91	28-143	10/02/20 11:45	

LABORATORY CONTROL SAMPLE: 2748475

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
PCB-1016 (Aroclor 1016)	ug/kg	158	144	91	61-130	
PCB-1260 (Aroclor 1260)	ug/kg	158	150	95	56-128	
Decachlorobiphenyl (S)	%			93	28-143	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2748476 2748477

Parameter	Units	60349351002 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	ND	195	245	169	222	87	91	38-131	27	38	
PCB-1260 (Aroclor 1260)	ug/kg	ND	195	245	177	233	91	95	30-141	27	40	
Decachlorobiphenyl (S)	%						84	91	28-143			

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QUALITY CONTROL DATA

Project: PINE LAWN
Pace Project No.: 60349454

QC Batch: 680303	Analysis Method: EPA 8082
QC Batch Method: EPA 3546	Analysis Description: 8082 GCS PCB
	Laboratory: Pace Analytical Services - Kansas City

Associated Lab Samples: 60349454006, 60349454007

METHOD BLANK: 2750057 Matrix: Solid

Associated Lab Samples: 60349454006, 60349454007

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
PCB, Total	ug/kg	ND	31.1	10/02/20 21:17	
PCB-1016 (Aroclor 1016)	ug/kg	ND	31.1	10/02/20 21:17	
PCB-1221 (Aroclor 1221)	ug/kg	ND	31.1	10/02/20 21:17	
PCB-1232 (Aroclor 1232)	ug/kg	ND	31.1	10/02/20 21:17	
PCB-1242 (Aroclor 1242)	ug/kg	ND	31.1	10/02/20 21:17	
PCB-1248 (Aroclor 1248)	ug/kg	ND	31.1	10/02/20 21:17	
PCB-1254 (Aroclor 1254)	ug/kg	ND	31.1	10/02/20 21:17	
PCB-1260 (Aroclor 1260)	ug/kg	ND	31.1	10/02/20 21:17	
Decachlorobiphenyl (S)	%	89	28-143	10/02/20 21:17	

LABORATORY CONTROL SAMPLE: 2750058

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
PCB-1016 (Aroclor 1016)	ug/kg	164	145	89	61-130	
PCB-1260 (Aroclor 1260)	ug/kg	164	151	92	56-128	
Decachlorobiphenyl (S)	%			89	28-143	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2750059 2750060

Parameter	Units	60349454006 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	ND	181	187	160	159	88	85	38-131	1	38	
PCB-1260 (Aroclor 1260)	ug/kg	ND	181	187	168	166	93	89	30-141	1	40	
Decachlorobiphenyl (S)	%						91	87	28-143			

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: PINE LAWN

Pace Project No.: 60349454

QC Batch: 680394

Analysis Method: EPA 8082

QC Batch Method: EPA 3510

Analysis Description: 8082 GCS PCB, LV

Laboratory: Pace Analytical Services - Kansas City

Associated Lab Samples: 60349454003

METHOD BLANK: 2750572

Matrix: Water

Associated Lab Samples: 60349454003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
PCB-1016 (Aroclor 1016)	ug/L	ND	1.0	10/02/20 14:24	
PCB-1221 (Aroclor 1221)	ug/L	ND	1.0	10/02/20 14:24	
PCB-1232 (Aroclor 1232)	ug/L	ND	1.0	10/02/20 14:24	
PCB-1242 (Aroclor 1242)	ug/L	ND	1.0	10/02/20 14:24	
PCB-1248 (Aroclor 1248)	ug/L	ND	1.0	10/02/20 14:24	
PCB-1254 (Aroclor 1254)	ug/L	ND	1.0	10/02/20 14:24	
PCB-1260 (Aroclor 1260)	ug/L	ND	1.0	10/02/20 14:24	
Decachlorobiphenyl (S)	%	72	30-136	10/02/20 14:24	

LABORATORY CONTROL SAMPLE: 2750573

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
PCB-1016 (Aroclor 1016)	ug/L	5	4.6	92	66-125	
PCB-1260 (Aroclor 1260)	ug/L	5	4.7	94	64-123	
Decachlorobiphenyl (S)	%			73	30-136	

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QUALITY CONTROL DATA

Project: PINE LAWN

Pace Project No.: 60349454

QC Batch: 679541

Analysis Method: EPA 8270

QC Batch Method: EPA 3546

Analysis Description: 8270 Solid MSSV Microwave

Laboratory: Pace Analytical Services - Kansas City

Associated Lab Samples: 60349454001, 60349454002, 60349454005, 60349454006, 60349454007

METHOD BLANK: 2747554

Matrix: Solid

Associated Lab Samples: 60349454001, 60349454002, 60349454005, 60349454006, 60349454007

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,2,4-Trichlorobenzene	ug/kg	ND	318	10/06/20 09:10	
1,2-Dichlorobenzene	ug/kg	ND	318	10/06/20 09:10	
1,3-Dichlorobenzene	ug/kg	ND	318	10/06/20 09:10	
1,4-Dichlorobenzene	ug/kg	ND	318	10/06/20 09:10	
2,4,5-Trichlorophenol	ug/kg	ND	318	10/06/20 09:10	
2,4,6-Trichlorophenol	ug/kg	ND	318	10/06/20 09:10	
2,4-Dichlorophenol	ug/kg	ND	318	10/06/20 09:10	
2,4-Dimethylphenol	ug/kg	ND	318	10/06/20 09:10	
2,4-Dinitrophenol	ug/kg	ND	1610	10/06/20 09:10	
2,4-Dinitrotoluene	ug/kg	ND	318	10/06/20 09:10	
2,6-Dinitrotoluene	ug/kg	ND	318	10/06/20 09:10	
2-Chloronaphthalene	ug/kg	ND	318	10/06/20 09:10	
2-Chlorophenol	ug/kg	ND	318	10/06/20 09:10	
2-Methylnaphthalene	ug/kg	ND	318	10/06/20 09:10	
2-Methylphenol(o-Cresol)	ug/kg	ND	318	10/06/20 09:10	
2-Nitroaniline	ug/kg	ND	637	10/06/20 09:10	
2-Nitrophenol	ug/kg	ND	318	10/06/20 09:10	
3&4-Methylphenol(m&p Cresol)	ug/kg	ND	318	10/06/20 09:10	
3,3'-Dichlorobenzidine	ug/kg	ND	637	10/06/20 09:10	
3-Nitroaniline	ug/kg	ND	637	10/06/20 09:10	
4,6-Dinitro-2-methylphenol	ug/kg	ND	1610	10/06/20 09:10	
4-Bromophenylphenyl ether	ug/kg	ND	318	10/06/20 09:10	
4-Chloro-3-methylphenol	ug/kg	ND	637	10/06/20 09:10	
4-Chloroaniline	ug/kg	ND	637	10/06/20 09:10	
4-Chlorophenylphenyl ether	ug/kg	ND	318	10/06/20 09:10	
4-Nitroaniline	ug/kg	ND	637	10/06/20 09:10	
4-Nitrophenol	ug/kg	ND	1610	10/06/20 09:10	
Acenaphthene	ug/kg	ND	318	10/06/20 09:10	
Acenaphthylene	ug/kg	ND	318	10/06/20 09:10	
Anthracene	ug/kg	ND	318	10/06/20 09:10	
Benzo(a)anthracene	ug/kg	ND	318	10/06/20 09:10	
Benzo(a)pyrene	ug/kg	ND	318	10/06/20 09:10	
Benzo(b)fluoranthene	ug/kg	ND	318	10/06/20 09:10	
Benzo(g,h,i)perylene	ug/kg	ND	318	10/06/20 09:10	
Benzo(k)fluoranthene	ug/kg	ND	318	10/06/20 09:10	
Benzoic Acid	ug/kg	ND	1610	10/06/20 09:10	
Benzyl alcohol	ug/kg	ND	637	10/06/20 09:10	
bis(2-Chloroethoxy)methane	ug/kg	ND	318	10/06/20 09:10	
bis(2-Chloroethyl) ether	ug/kg	ND	318	10/06/20 09:10	
bis(2-Chloroisopropyl) ether	ug/kg	ND	318	10/06/20 09:10	

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QUALITY CONTROL DATA

Project: PINE LAWN
Pace Project No.: 60349454

METHOD BLANK: 2747554

Matrix: Solid

Associated Lab Samples: 60349454001, 60349454002, 60349454005, 60349454006, 60349454007

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
bis(2-Ethylhexyl)phthalate	ug/kg	ND	318	10/06/20 09:10	
Butylbenzylphthalate	ug/kg	ND	318	10/06/20 09:10	
Carbazole	ug/kg	ND	318	10/06/20 09:10	
Chrysene	ug/kg	ND	318	10/06/20 09:10	
Di-n-butylphthalate	ug/kg	ND	318	10/06/20 09:10	
Di-n-octylphthalate	ug/kg	ND	318	10/06/20 09:10	
Dibenz(a,h)anthracene	ug/kg	ND	318	10/06/20 09:10	
Dibenzofuran	ug/kg	ND	318	10/06/20 09:10	
Diethylphthalate	ug/kg	ND	318	10/06/20 09:10	
Dimethylphthalate	ug/kg	ND	318	10/06/20 09:10	
Fluoranthene	ug/kg	ND	318	10/06/20 09:10	
Fluorene	ug/kg	ND	318	10/06/20 09:10	
Hexachloro-1,3-butadiene	ug/kg	ND	318	10/06/20 09:10	
Hexachlorobenzene	ug/kg	ND	318	10/06/20 09:10	
Hexachlorocyclopentadiene	ug/kg	ND	318	10/06/20 09:10	
Hexachloroethane	ug/kg	ND	318	10/06/20 09:10	
Indeno(1,2,3-cd)pyrene	ug/kg	ND	318	10/06/20 09:10	
Isophorone	ug/kg	ND	318	10/06/20 09:10	
N-Nitroso-di-n-propylamine	ug/kg	ND	318	10/06/20 09:10	
N-Nitrosodiphenylamine	ug/kg	ND	318	10/06/20 09:10	
Naphthalene	ug/kg	ND	318	10/06/20 09:10	
Nitrobenzene	ug/kg	ND	318	10/06/20 09:10	
Pentachlorophenol	ug/kg	ND	1610	10/06/20 09:10	
Phenanthrene	ug/kg	ND	318	10/06/20 09:10	
Phenol	ug/kg	ND	318	10/06/20 09:10	
Pyrene	ug/kg	ND	318	10/06/20 09:10	
Pyridine	ug/kg	ND	318	10/06/20 09:10	
2,4,6-Tribromophenol (S)	%	67	41-108	10/06/20 09:10	
2-Fluorobiphenyl (S)	%	85	39-136	10/06/20 09:10	
2-Fluorophenol (S)	%	77	43-96	10/06/20 09:10	
Nitrobenzene-d5 (S)	%	67	33-132	10/06/20 09:10	
Phenol-d6 (S)	%	76	43-95	10/06/20 09:10	
Terphenyl-d14 (S)	%	82	29-131	10/06/20 09:10	

LABORATORY CONTROL SAMPLE: 2747555

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2,4-Trichlorobenzene	ug/kg	1650	1280	78	52-104	
1,2-Dichlorobenzene	ug/kg	1650	1230	75	51-99	
1,3-Dichlorobenzene	ug/kg	1650	1230	74	48-102	
1,4-Dichlorobenzene	ug/kg	1650	1240	75	49-101	
2,4,5-Trichlorophenol	ug/kg	1650	1330	81	58-109	
2,4,6-Trichlorophenol	ug/kg	1650	1330	81	56-109	
2,4-Dichlorophenol	ug/kg	1650	1280	78	54-106	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: PINE LAWN

Pace Project No.: 60349454

LABORATORY CONTROL SAMPLE: 2747555

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
2,4-Dimethylphenol	ug/kg	1650	1160	71	49-104	
2,4-Dinitrophenol	ug/kg	1650	905J	55	26-119	
2,4-Dinitrotoluene	ug/kg	1650	1090	66	60-109	
2,6-Dinitrotoluene	ug/kg	1650	1150	70	59-109	
2-Chloronaphthalene	ug/kg	1650	1270	77	56-104	
2-Chlorophenol	ug/kg	1650	1280	78	56-98	
2-Methylnaphthalene	ug/kg	1650	1280	78	53-103	
2-Methylphenol(o-Cresol)	ug/kg	1650	1210	74	52-102	
2-Nitroaniline	ug/kg	1650	1070	65	54-113	
2-Nitrophenol	ug/kg	1650	1060	64	51-111	
3&4-Methylphenol(m&p Cresol)	ug/kg	1650	1250	76	52-102	
3,3'-Dichlorobenzidine	ug/kg	1650	814	49	19-126	
3-Nitroaniline	ug/kg	1650	939	57	31-122	
4,6-Dinitro-2-methylphenol	ug/kg	1650	949J	58	37-117	
4-Bromophenylphenyl ether	ug/kg	1650	1310	79	60-106	
4-Chloro-3-methylphenol	ug/kg	1650	1290	78	55-107	
4-Chloroaniline	ug/kg	1650	730	44	10-116	
4-Chlorophenylphenyl ether	ug/kg	1650	1320	80	56-107	
4-Nitroaniline	ug/kg	1650	1150	70	52-113	
4-Nitrophenol	ug/kg	1650	1190J	72	53-114	
Acenaphthene	ug/kg	1650	1320	80	55-105	
Acenaphthylene	ug/kg	1650	1360	82	57-105	
Anthracene	ug/kg	1650	1290	79	59-106	
Benzo(a)anthracene	ug/kg	1650	1280	78	59-109	
Benzo(a)pyrene	ug/kg	1650	1250	76	59-109	
Benzo(b)fluoranthene	ug/kg	1650	1340	81	56-112	
Benzo(g,h,i)perylene	ug/kg	1650	1300	79	57-109	
Benzo(k)fluoranthene	ug/kg	1650	1210	74	57-107	
Benzoic Acid	ug/kg	1650	821J	50	10-96	
Benzyl alcohol	ug/kg	1650	1200	73	56-103	
bis(2-Chloroethoxy)methane	ug/kg	1650	1220	74	52-102	
bis(2-Chloroethyl) ether	ug/kg	1650	1200	73	51-100	
bis(2-Chloroisopropyl) ether	ug/kg	1650	1120	68	47-101	
bis(2-Ethylhexyl)phthalate	ug/kg	1650	1300	79	61-113	
Butylbenzylphthalate	ug/kg	1650	1300	79	62-110	
Carbazole	ug/kg	1650	1300	79	60-106	
Chrysene	ug/kg	1650	1330	81	58-108	
Di-n-butylphthalate	ug/kg	1650	1310	80	61-110	
Di-n-octylphthalate	ug/kg	1650	1330	81	58-114	
Dibenz(a,h)anthracene	ug/kg	1650	1280	78	57-109	
Dibenzofuran	ug/kg	1650	1290	78	56-106	
Diethylphthalate	ug/kg	1650	1270	77	57-107	
Dimethylphthalate	ug/kg	1650	1240	75	55-106	
Fluoranthene	ug/kg	1650	1300	79	60-109	
Fluorene	ug/kg	1650	1290	79	56-107	
Hexachloro-1,3-butadiene	ug/kg	1650	1250	76	50-106	
Hexachlorobenzene	ug/kg	1650	1310	80	56-107	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: PINE LAWN

Pace Project No.: 60349454

LABORATORY CONTROL SAMPLE: 2747555

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Hexachlorocyclopentadiene	ug/kg	1650	1100	67	18-118	
Hexachloroethane	ug/kg	1650	1150	70	49-101	
Indeno(1,2,3-cd)pyrene	ug/kg	1650	1310	80	58-108	
Isophorone	ug/kg	1650	1210	74	53-99	
N-Nitroso-di-n-propylamine	ug/kg	1650	1160	71	50-101	
N-Nitrosodiphenylamine	ug/kg	1650	1300	79	58-107	
Naphthalene	ug/kg	1650	1260	76	51-103	
Nitrobenzene	ug/kg	1650	1100	67	51-104	
Pentachlorophenol	ug/kg	1650	1010J	62	43-123	
Phenanthrene	ug/kg	1650	1310	80	58-106	
Phenol	ug/kg	1650	1240	75	53-101	
Pyrene	ug/kg	1650	1280	78	60-108	
Pyridine	ug/kg	1650	848	52	33-72	
2,4,6-Tribromophenol (S)	%			78	41-108	
2-Fluorobiphenyl (S)	%			79	39-136	
2-Fluorophenol (S)	%			70	43-96	
Nitrobenzene-d5 (S)	%			63	33-132	
Phenol-d6 (S)	%			69	43-95	
Terphenyl-d14 (S)	%			81	29-131	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2747556 2747557

Parameter	Units	60349352005 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,2,4-Trichlorobenzene	ug/kg	ND	1800	1800	1210	1060	67	59	42-102	13	26	
1,2-Dichlorobenzene	ug/kg	ND	1800	1800	1180	1060	66	59	45-96	11	31	
1,3-Dichlorobenzene	ug/kg	ND	1800	1800	1180	1040	66	58	44-95	13	31	
1,4-Dichlorobenzene	ug/kg	ND	1800	1800	1190	1040	66	58	45-95	13	30	
2,4,5-Trichlorophenol	ug/kg	ND	1800	1800	1240	1130	69	63	47-109	10	31	
2,4,6-Trichlorophenol	ug/kg	ND	1800	1800	1160	1020	65	57	14-133	13	31	
2,4-Dichlorophenol	ug/kg	ND	1800	1800	1170	1040	65	57	36-111	12	29	
2,4-Dimethylphenol	ug/kg	ND	1800	1800	995	856	55	47	22-113	15	32	
2,4-Dinitrophenol	ug/kg	ND	1800	1800	651J	694J	36	39	10-116		35	
2,4-Dinitrotoluene	ug/kg	ND	1800	1800	1070	1020	60	56	10-133	5	32	
2,6-Dinitrotoluene	ug/kg	ND	1800	1800	1130	1090	63	60	17-125	4	25	
2-Chloronaphthalene	ug/kg	ND	1800	1800	1200	1100	67	61	47-105	9	28	
2-Chlorophenol	ug/kg	ND	1800	1800	1190	1070	66	59	44-100	11	31	
2-Methylnaphthalene	ug/kg	ND	1800	1800	1210	1080	67	60	43-104	11	28	
2-Methylphenol(o-Cresol)	ug/kg	ND	1800	1800	1100	996	61	55	37-105	10	32	
2-Nitroaniline	ug/kg	ND	1800	1800	1070	1010	60	56	44-117	6	28	
2-Nitrophenol	ug/kg	ND	1800	1800	1120	1020	63	57	10-145	10	30	
3&4-Methylphenol(m&p Cresol)	ug/kg	ND	1800	1800	1120	1010	63	56	35-108	11	30	
3,3'-Dichlorobenzidine	ug/kg	ND	1800	1800	471J	605J	26	34	10-133		39	
3-Nitroaniline	ug/kg	ND	1800	1800	1070	1120	59	62	10-124	4	27	

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QUALITY CONTROL DATA

Project: PINE LAWN

Pace Project No.: 60349454

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2747556 2747557											
Parameter	Units	60349352005 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	Max RPD	Qual
4,6-Dinitro-2-methylphenol	ug/kg	ND	1800	1800	800J	793J	44	44	10-123	30	
4-Bromophenylphenyl ether	ug/kg	ND	1800	1800	1240	1110	69	62	47-109	11	33
4-Chloro-3-methylphenol	ug/kg	ND	1800	1800	1150	1040	64	58	42-109	10	30
4-Chloroaniline	ug/kg	ND	1800	1800	870	990	48	55	10-94	13	33
4-Chlorophenylphenyl ether	ug/kg	ND	1800	1800	1230	1120	69	62	46-106	9	33
4-Nitroaniline	ug/kg	ND	1800	1800	927	916	52	51	11-126	1	47
4-Nitrophenol	ug/kg	ND	1800	1800	1060J	972J	59	54	18-130		35
Acenaphthene	ug/kg	ND	1800	1800	1240	1130	69	63	44-104	9	23
Acenaphthylene	ug/kg	ND	1800	1800	1270	1170	70	65	47-102	8	29
Anthracene	ug/kg	ND	1800	1800	1200	1100	67	61	39-112	9	30
Benzo(a)anthracene	ug/kg	ND	1800	1800	1190	1090	66	61	10-139	8	32
Benzo(a)pyrene	ug/kg	ND	1800	1800	1200	1070	67	59	12-132	11	33
Benzo(b)fluoranthene	ug/kg	ND	1800	1800	1160	1060	65	59	12-136	9	37
Benzo(g,h,i)perylene	ug/kg	ND	1800	1800	1180	1070	66	59	22-119	10	41
Benzo(k)fluoranthene	ug/kg	ND	1800	1800	1210	1090	67	60	32-113	11	32
Benzoic Acid	ug/kg	ND	1800	1800	614J	406J	34	23	10-101		35
Benzyl alcohol	ug/kg	ND	1800	1800	1180	1060	66	59	46-103	10	31
bis(2-Chloroethoxy)methane	ug/kg	ND	1800	1800	1130	1010	63	56	41-100	11	29
bis(2-Chloroethyl) ether	ug/kg	ND	1800	1800	1160	1040	64	58	46-100	11	32
bis(2-Chloroisopropyl) ether	ug/kg	ND	1800	1800	1050	950	58	53	40-99	10	29
bis(2-Ethylhexyl)phthalate	ug/kg	ND	1800	1800	1200	1110	67	62	24-141	8	33
Butylbenzylphthalate	ug/kg	ND	1800	1800	1220	1090	68	60	41-131	12	33
Carbazole	ug/kg	ND	1800	1800	1140	1030	63	57	41-107	10	30
Chrysene	ug/kg	ND	1800	1800	1220	1110	68	61	10-137	9	31
Di-n-butylphthalate	ug/kg	ND	1800	1800	1210	1090	67	60	41-118	11	31
Di-n-octylphthalate	ug/kg	ND	1800	1800	1260	1140	70	63	40-138	10	29
Dibenz(a,h)anthracene	ug/kg	ND	1800	1800	1180	1060	66	59	23-122	11	35
Dibenzofuran	ug/kg	ND	1800	1800	1210	1110	67	62	49-101	8	28
Diethylphthalate	ug/kg	ND	1800	1800	1210	1100	67	61	42-107	10	31
Dimethylphthalate	ug/kg	ND	1800	1800	1130	1050	63	58	37-108	8	30
Fluoranthene	ug/kg	ND	1800	1800	1220	1100	67	61	10-139	10	32
Fluorene	ug/kg	ND	1800	1800	1210	1140	67	63	43-108	6	32
Hexachloro-1,3-butadiene	ug/kg	ND	1800	1800	1190	1060	66	59	41-104	12	27
Hexachlorobenzene	ug/kg	ND	1800	1800	1200	1100	67	61	46-105	9	31
Hexachlorocyclopentadiene	ug/kg	ND	1800	1800	1060	945	59	52	10-111	12	61
Hexachloroethane	ug/kg	ND	1800	1800	1110	1000	62	56	11-119	10	34
Indeno(1,2,3-cd)pyrene	ug/kg	ND	1800	1800	1190	1060	66	59	21-120	11	38
Isophorone	ug/kg	ND	1800	1800	1130	1010	63	56	44-97	12	28
N-Nitroso-di-n-propylamine	ug/kg	ND	1800	1800	1110	994	62	55	37-108	11	30
N-Nitrosodiphenylamine	ug/kg	ND	1800	1800	1170	1080	65	60	41-108	8	36
Naphthalene	ug/kg	ND	1800	1800	1200	1050	67	58	40-105	13	31
Nitrobenzene	ug/kg	ND	1800	1800	1060	958	59	53	35-106	10	29
Pentachlorophenol	ug/kg	ND	1800	1800	967J	844J	54	47	10-144		35
Phenanthrene	ug/kg	ND	1800	1800	1210	1090	67	60	43-108	11	29
Phenol	ug/kg	ND	1800	1800	1170	1040	65	58	38-102	11	29

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: PINE LAWN

Pace Project No.: 60349454

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2747556 2747557													
Parameter	Units	60349352005	MS	MSD	MS	MSD	MS	MSD	% Rec	Limits	RPD	Max	Qual
		Result	Spike	Spike									
Pyrene	ug/kg	ND	1800	1800	1200	1090	67	60	10-147	10	38		
Pyridine	ug/kg	ND	1800	1800	782	676	43	37	10-79	15	35		
2,4,6-Tribromophenol (S)	%						65	59	41-108				
2-Fluorobiphenyl (S)	%						68	62	39-136				
2-Fluorophenol (S)	%						61	53	43-96				
Nitrobenzene-d5 (S)	%						57	52	33-132				
Phenol-d6 (S)	%						60	53	43-95				
Terphenyl-d14 (S)	%						71	63	29-131				

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QUALITY CONTROL DATA

Project: PINE LAWN
Pace Project No.: 60349454

QC Batch: 680409 Analysis Method: EPA 8270
QC Batch Method: EPA 3546 Analysis Description: 8270 MSSV TPH ORO
Laboratory: Pace Analytical Services - Kansas City
Associated Lab Samples: 60349454001, 60349454002, 60349454005, 60349454006, 60349454007

METHOD BLANK: 2750615 Matrix: Solid
Associated Lab Samples: 60349454001, 60349454002, 60349454005, 60349454006, 60349454007

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
TPH-DRO	mg/kg	ND	15.0	10/07/20 21:07	
TPH-ORO	mg/kg	ND	15.0	10/07/20 21:07	
2-Fluorobiphenyl (S)	%	82	39-136	10/07/20 21:07	
Nitrobenzene-d5 (S)	%	76	33-132	10/07/20 21:07	
Terphenyl-d14 (S)	%	88	29-131	10/07/20 21:07	

LABORATORY CONTROL SAMPLE: 2750616

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
TPH-DRO	mg/kg	321	258	80	39-122	
2-Fluorobiphenyl (S)	%			88	39-136	
Nitrobenzene-d5 (S)	%			86	33-132	
Terphenyl-d14 (S)	%			95	29-131	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2750617 2750618

Parameter	Units	60349444006 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
TPH-DRO	mg/kg	ND	376	365	266	263	71	72	12-137	1	38	
2-Fluorobiphenyl (S)	%						71	74	39-136			
Nitrobenzene-d5 (S)	%						69	72	33-132			
Terphenyl-d14 (S)	%						73	78	29-131			

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QUALITY CONTROL DATA

Project: PINE LAWN

Pace Project No.: 60349454

QC Batch: 679792

Analysis Method: EPA 8270

QC Batch Method: EPA 3510C

Analysis Description: 8270 MSSV TPH ORO

Laboratory: Pace Analytical Services - Kansas City

Associated Lab Samples: 60349454003

METHOD BLANK: 2748446

Matrix: Water

Associated Lab Samples: 60349454003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
TPH-DRO	mg/L	ND	1.0	10/08/20 01:21	
TPH-ORO	mg/L	ND	1.0	10/08/20 01:21	
2-Fluorobiphenyl (S)	%	72	29-108	10/08/20 01:21	
Nitrobenzene-d5 (S)	%	69	27-106	10/08/20 01:21	
Terphenyl-d14 (S)	%	70	34-129	10/08/20 01:21	

LABORATORY CONTROL SAMPLE: 2748447

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
TPH-DRO	mg/L	100	36.4	36	33-130	
2-Fluorobiphenyl (S)	%			39	29-108	
Nitrobenzene-d5 (S)	%			40	27-106	
Terphenyl-d14 (S)	%			41	34-129	

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QUALITY CONTROL DATA

Project: PINE LAWN

Pace Project No.: 60349454

QC Batch: 679795

Analysis Method: EPA 8270

QC Batch Method: EPA 3510

Analysis Description: 8270 Water MSSV, LV

Laboratory: Pace Analytical Services - Kansas City

Associated Lab Samples: 60349454003

METHOD BLANK: 2748452

Matrix: Water

Associated Lab Samples: 60349454003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,2,4-Trichlorobenzene	ug/L	ND	10.0	10/05/20 09:51	
1,2-Dichlorobenzene	ug/L	ND	10.0	10/05/20 09:51	
1,3-Dichlorobenzene	ug/L	ND	10.0	10/05/20 09:51	
1,4-Dichlorobenzene	ug/L	ND	10.0	10/05/20 09:51	
2,4,5-Trichlorophenol	ug/L	ND	50.0	10/05/20 09:51	
2,4,6-Trichlorophenol	ug/L	ND	10.0	10/05/20 09:51	
2,4-Dichlorophenol	ug/L	ND	10.0	10/05/20 09:51	
2,4-Dimethylphenol	ug/L	ND	10.0	10/05/20 09:51	
2,4-Dinitrophenol	ug/L	ND	50.0	10/05/20 09:51	
2,4-Dinitrotoluene	ug/L	ND	10.0	10/05/20 09:51	
2,6-Dinitrotoluene	ug/L	ND	10.0	10/05/20 09:51	
2-Chloronaphthalene	ug/L	ND	10.0	10/05/20 09:51	
2-Chlorophenol	ug/L	ND	10.0	10/05/20 09:51	
2-Methylnaphthalene	ug/L	ND	10.0	10/05/20 09:51	
2-Methylphenol(o-Cresol)	ug/L	ND	10.0	10/05/20 09:51	
2-Nitroaniline	ug/L	ND	50.0	10/05/20 09:51	
2-Nitrophenol	ug/L	ND	10.0	10/05/20 09:51	
3&4-Methylphenol(m&p Cresol)	ug/L	ND	10.0	10/05/20 09:51	
3,3'-Dichlorobenzidine	ug/L	ND	20.0	10/05/20 09:51	
3-Nitroaniline	ug/L	ND	50.0	10/05/20 09:51	
4,6-Dinitro-2-methylphenol	ug/L	ND	50.0	10/05/20 09:51	
4-Bromophenylphenyl ether	ug/L	ND	10.0	10/05/20 09:51	
4-Chloro-3-methylphenol	ug/L	ND	20.0	10/05/20 09:51	
4-Chloroaniline	ug/L	ND	20.0	10/05/20 09:51	
4-Chlorophenylphenyl ether	ug/L	ND	10.0	10/05/20 09:51	
4-Nitroaniline	ug/L	ND	50.0	10/05/20 09:51	
4-Nitrophenol	ug/L	ND	50.0	10/05/20 09:51	
Acenaphthene	ug/L	ND	10.0	10/05/20 09:51	
Acenaphthylene	ug/L	ND	10.0	10/05/20 09:51	
Anthracene	ug/L	ND	10.0	10/05/20 09:51	
Benzo(a)anthracene	ug/L	ND	10.0	10/05/20 09:51	
Benzo(a)pyrene	ug/L	ND	10.0	10/05/20 09:51	
Benzo(b)fluoranthene	ug/L	ND	10.0	10/05/20 09:51	
Benzo(g,h,i)perylene	ug/L	ND	10.0	10/05/20 09:51	
Benzo(k)fluoranthene	ug/L	ND	10.0	10/05/20 09:51	
Benzoic Acid	ug/L	ND	50.0	10/05/20 09:51	
Benzyl alcohol	ug/L	ND	20.0	10/05/20 09:51	
bis(2-Chloroethoxy)methane	ug/L	ND	10.0	10/05/20 09:51	
bis(2-Chloroethyl) ether	ug/L	ND	10.0	10/05/20 09:51	
bis(2-Chloroisopropyl) ether	ug/L	ND	10.0	10/05/20 09:51	

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QUALITY CONTROL DATA

Project: PINE LAWN

Pace Project No.: 60349454

METHOD BLANK: 2748452

Matrix: Water

Associated Lab Samples: 60349454003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
bis(2-Ethylhexyl)phthalate	ug/L	ND	20.0	10/05/20 09:51	
Butylbenzylphthalate	ug/L	ND	20.0	10/05/20 09:51	
Carbazole	ug/L	ND	10.0	10/05/20 09:51	
Chrysene	ug/L	ND	10.0	10/05/20 09:51	
Di-n-butylphthalate	ug/L	ND	10.0	10/05/20 09:51	
Di-n-octylphthalate	ug/L	ND	10.0	10/05/20 09:51	
Dibenz(a,h)anthracene	ug/L	ND	10.0	10/05/20 09:51	
Dibenzofuran	ug/L	ND	10.0	10/05/20 09:51	
Diethylphthalate	ug/L	ND	10.0	10/05/20 09:51	
Dimethylphthalate	ug/L	ND	10.0	10/05/20 09:51	
Fluoranthene	ug/L	ND	10.0	10/05/20 09:51	
Fluorene	ug/L	ND	10.0	10/05/20 09:51	
Hexachloro-1,3-butadiene	ug/L	ND	10.0	10/05/20 09:51	
Hexachlorobenzene	ug/L	ND	10.0	10/05/20 09:51	
Hexachlorocyclopentadiene	ug/L	ND	10.0	10/05/20 09:51	
Hexachloroethane	ug/L	ND	10.0	10/05/20 09:51	
Indeno(1,2,3-cd)pyrene	ug/L	ND	10.0	10/05/20 09:51	
Isophorone	ug/L	ND	10.0	10/05/20 09:51	
N-Nitroso-di-n-propylamine	ug/L	ND	10.0	10/05/20 09:51	
N-Nitrosodiphenylamine	ug/L	ND	10.0	10/05/20 09:51	
Naphthalene	ug/L	ND	10.0	10/05/20 09:51	
Nitrobenzene	ug/L	ND	10.0	10/05/20 09:51	
Pentachlorophenol	ug/L	ND	50.0	10/05/20 09:51	
Phenanthrene	ug/L	ND	10.0	10/05/20 09:51	
Phenol	ug/L	ND	10.0	10/05/20 09:51	
Pyrene	ug/L	ND	10.0	10/05/20 09:51	
Pyridine	ug/L	ND	10.0	10/05/20 09:51	
2,4,6-Tribromophenol (S)	%	58	16-114	10/05/20 09:51	
2-Fluorobiphenyl (S)	%	56	29-108	10/05/20 09:51	
2-Fluorophenol (S)	%	36	11-64	10/05/20 09:51	
Nitrobenzene-d5 (S)	%	54	27-106	10/05/20 09:51	
Phenol-d6 (S)	%	27	10-44	10/05/20 09:51	
Terphenyl-d14 (S)	%	84	34-129	10/05/20 09:51	

LABORATORY CONTROL SAMPLE: 2748453

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2,4-Trichlorobenzene	ug/L	50	19.9	40	22-109	
1,2-Dichlorobenzene	ug/L	50	19.9	40	18-107	
1,3-Dichlorobenzene	ug/L	50	18.9	38	16-105	
1,4-Dichlorobenzene	ug/L	50	19.0	38	17-105	
2,4,5-Trichlorophenol	ug/L	50	25.8J	52	25-126	
2,4,6-Trichlorophenol	ug/L	50	25.2	50	23-124	
2,4-Dichlorophenol	ug/L	50	23.1	46	26-116	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: PINE LAWN

Pace Project No.: 60349454

LABORATORY CONTROL SAMPLE: 2748453

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
2,4-Dimethylphenol	ug/L	50	22.3	45	36-98	
2,4-Dinitrophenol	ug/L	50	28.9J	58	11-138	
2,4-Dinitrotoluene	ug/L	50	29.6	59	30-127	
2,6-Dinitrotoluene	ug/L	50	26.8	54	30-125	
2-Chloronaphthalene	ug/L	50	23.2	46	28-115	
2-Chlorophenol	ug/L	50	21.5	43	25-107	
2-Methylnaphthalene	ug/L	50	23.2	46	25-112	
2-Methylphenol(o-Cresol)	ug/L	50	20.9	42	30-94	
2-Nitroaniline	ug/L	50	25.9J	52	29-126	
2-Nitrophenol	ug/L	50	23.4	47	26-122	
3&4-Methylphenol(m&p Cresol)	ug/L	50	19.7	39	26-89	
3,3'-Dichlorobenzidine	ug/L	50	31.7	63	24-140	
3-Nitroaniline	ug/L	50	25.6J	51	30-139	
4,6-Dinitro-2-methylphenol	ug/L	50	28.4J	57	21-135	
4-Bromophenylphenyl ether	ug/L	50	26.8	54	30-121	
4-Chloro-3-methylphenol	ug/L	50	25.0	50	28-117	
4-Chloroaniline	ug/L	50	17.3J	35	22-136	
4-Chlorophenylphenyl ether	ug/L	50	25.6	51	30-119	
4-Nitroaniline	ug/L	50	29.8J	60	31-129	
4-Nitrophenol	ug/L	50	18.2J	36	10-64	
Acenaphthene	ug/L	50	25.4	51	29-117	
Acenaphthylene	ug/L	50	26.3	53	27-119	
Anthracene	ug/L	50	28.9	58	27-124	
Benzo(a)anthracene	ug/L	50	36.6	73	30-124	
Benzo(a)pyrene	ug/L	50	35.7	71	29-123	
Benzo(b)fluoranthene	ug/L	50	37.1	74	29-127	
Benzo(g,h,i)perylene	ug/L	50	36.0	72	30-124	
Benzo(k)fluoranthene	ug/L	50	36.1	72	29-125	
Benzoic Acid	ug/L	50	14.9J	30	10-71	
Benzyl alcohol	ug/L	50	22.2	44	23-105	
bis(2-Chloroethoxy)methane	ug/L	50	24.0	48	29-115	
bis(2-Chloroethyl) ether	ug/L	50	22.6	45	28-114	
bis(2-Chloroisopropyl) ether	ug/L	50	23.4	47	27-114	
bis(2-Ethylhexyl)phthalate	ug/L	50	41.1	82	35-128	
Butylbenzylphthalate	ug/L	50	42.5	85	28-114	
Carbazole	ug/L	50	33.6	67	31-124	
Chrysene	ug/L	50	36.4	73	31-124	
Di-n-butylphthalate	ug/L	50	37.2	74	29-130	
Di-n-octylphthalate	ug/L	50	42.8	86	27-135	
Dibenz(a,h)anthracene	ug/L	50	35.8	72	30-125	
Dibenzofuran	ug/L	50	25.2	50	30-118	
Diethylphthalate	ug/L	50	30.8	62	30-123	
Dimethylphthalate	ug/L	50	28.1	56	29-121	
Fluoranthene	ug/L	50	33.4	67	31-126	
Fluorene	ug/L	50	26.5	53	30-120	
Hexachloro-1,3-butadiene	ug/L	50	18.3	37	14-107	
Hexachlorobenzene	ug/L	50	27.3	55	29-123	

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QUALITY CONTROL DATA

Project: PINE LAWN

Pace Project No.: 60349454

LABORATORY CONTROL SAMPLE: 2748453

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Hexachlorocyclopentadiene	ug/L	50	17.6	35	10-56	
Hexachloroethane	ug/L	50	17.6	35	14-103	
Indeno(1,2,3-cd)pyrene	ug/L	50	35.5	71	29-124	
Isophorone	ug/L	50	25.9	52	29-117	
N-Nitroso-di-n-propylamine	ug/L	50	24.9	50	28-117	
N-Nitrosodiphenylamine	ug/L	50	27.6	55	30-122	
Naphthalene	ug/L	50	22.5	45	25-111	
Nitrobenzene	ug/L	50	23.3	47	28-116	
Pentachlorophenol	ug/L	50	31.7J	63	17-134	
Phenanthrene	ug/L	50	29.9	60	30-121	
Phenol	ug/L	50	11.4	23	10-58	
Pyrene	ug/L	50	34.5	69	31-124	
Pyridine	ug/L	50	ND	5	10-73	1e
2,4,6-Tribromophenol (S)	%			59	16-114	
2-Fluorobiphenyl (S)	%			49	29-108	
2-Fluorophenol (S)	%			30	11-64	
Nitrobenzene-d5 (S)	%			48	27-106	
Phenol-d6 (S)	%			22	10-44	
Terphenyl-d14 (S)	%			74	34-129	

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QUALITY CONTROL DATA

Project: PINE LAWN

Pace Project No.: 60349454

QC Batch: 679595

Analysis Method: ASTM D2974

QC Batch Method: ASTM D2974

Analysis Description: Dry Weight/Percent Moisture

Laboratory: Pace Analytical Services - Kansas City

Associated Lab Samples: 60349454001, 60349454002, 60349454005, 60349454006, 60349454007

METHOD BLANK: 2747795

Matrix: Solid

Associated Lab Samples: 60349454001, 60349454002, 60349454005, 60349454006, 60349454007

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Percent Moisture	%	ND	0.50	09/29/20 14:17	

SAMPLE DUPLICATE: 2747796

Parameter	Units	60349444001 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	16.2	16.7	3	20	

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REPORT OF LABORATORY ANALYSIS

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QUALIFIERS

Project: PINE LAWN

Pace Project No.: 60349454

DEFINITIONS

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

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

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

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

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

S - Surrogate

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

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

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

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

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

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

TNI - The NELAC Institute.

BATCH QUALIFIERS

Batch: 679382

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

ANALYTE QUALIFIERS

1e	Analyte recovery in the laboratory control sample (LCS) was below QC limits. Results for this analyte in associated samples may be biased low. Note: No further action was taken due to sample holding time violations.
D4	Sample was diluted due to the presence of high levels of target analytes.
L2	Analyte recovery in the laboratory control sample (LCS) was below QC limits. Results for this analyte in associated samples may be biased low.
M1	Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.
P3	Sample extract could not be concentrated to the routine final volume, resulting in elevated reporting limits.
S0	Surrogate recovery outside laboratory control limits.
SS	This analyte did not meet the secondary source verification criteria for the initial calibration. The reported result should be considered an estimated value.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: PINE LAWN

Pace Project No.: 60349454

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
60349454001	DPT-22-SO-(0-3)	EPA 3546	679802	EPA 8082	680480
60349454002	DPT-22-SO-(17-18)	EPA 3546	679802	EPA 8082	680480
60349454005	DPT-23-SO-(24-25)	EPA 3546	679802	EPA 8082	680480
60349454006	DPT-24-SO-(24-25)	EPA 3546	680303	EPA 8082	680550
60349454007	DPT-25-SO-(24-25)	EPA 3546	680303	EPA 8082	680550
60349454003	PINE LAWN - FB4	EPA 3510	680394	EPA 8082	680549
60349454001	DPT-22-SO-(0-3)	EPA 3050	680742	EPA 6010	681110
60349454002	DPT-22-SO-(17-18)	EPA 3050	680742	EPA 6010	681110
60349454005	DPT-23-SO-(24-25)	EPA 3050	680742	EPA 6010	681110
60349454006	DPT-24-SO-(24-25)	EPA 3050	680742	EPA 6010	681110
60349454007	DPT-25-SO-(24-25)	EPA 3050	680742	EPA 6010	681110
60349454003	PINE LAWN - FB4	EPA 3010	680798	EPA 6010	680971
60349454003	PINE LAWN - FB4	EPA 3010	680799	EPA 6010	680972
60349454003	PINE LAWN - FB4	EPA 7470	681150	EPA 7470	681187
60349454003	PINE LAWN - FB4	EPA 7470	679617	EPA 7470	679742
60349454001	DPT-22-SO-(0-3)	EPA 7471	680546	EPA 7471	680822
60349454002	DPT-22-SO-(17-18)	EPA 7471	680546	EPA 7471	680822
60349454005	DPT-23-SO-(24-25)	EPA 7471	680546	EPA 7471	680822
60349454006	DPT-24-SO-(24-25)	EPA 7471	680546	EPA 7471	680822
60349454007	DPT-25-SO-(24-25)	EPA 7471	680546	EPA 7471	680822
60349454001	DPT-22-SO-(0-3)	EPA 3546	679541	EPA 8270	680630
60349454002	DPT-22-SO-(17-18)	EPA 3546	679541	EPA 8270	680630
60349454005	DPT-23-SO-(24-25)	EPA 3546	679541	EPA 8270	680630
60349454006	DPT-24-SO-(24-25)	EPA 3546	679541	EPA 8270	680630
60349454007	DPT-25-SO-(24-25)	EPA 3546	679541	EPA 8270	680630
60349454001	DPT-22-SO-(0-3)	EPA 3546	680409	EPA 8270	681072
60349454002	DPT-22-SO-(17-18)	EPA 3546	680409	EPA 8270	681072
60349454005	DPT-23-SO-(24-25)	EPA 3546	680409	EPA 8270	681072
60349454006	DPT-24-SO-(24-25)	EPA 3546	680409	EPA 8270	681072
60349454007	DPT-25-SO-(24-25)	EPA 3546	680409	EPA 8270	681072
60349454003	PINE LAWN - FB4	EPA 3510C	679792	EPA 8270	681075
60349454003	PINE LAWN - FB4	EPA 3510	679795	EPA 8270	680727
60349454001	DPT-22-SO-(0-3)	EPA 5035A/5030	680121	EPA 8260B	680210
60349454004	PINE LAWN - SO - TB8	EPA 5035A/5030	680235	EPA 8260B	680314
60349454005	DPT-23-SO-(24-25)	EPA 5035A/5030	680121	EPA 8260B	680210
60349454006	DPT-24-SO-(24-25)	EPA 5035A/5030	680121	EPA 8260B	680210
60349454007	DPT-25-SO-(24-25)	EPA 5035A/5030	680121	EPA 8260B	680210
60349454002	DPT-22-SO-(17-18)	EPA 5035A/5030B	680236	EPA 8260B	680350
60349454002	DPT-22-SO-(17-18)	EPA 5035/5030	680237	EPA 5035A/8260	680351
60349454003	PINE LAWN - FB4	EPA 5030B/8260	679382		

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: PINE LAWN

Pace Project No.: 60349454

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
60349454003	PINE LAWN - FB4	EPA 8260	680451		
60349454001	DPT-22-SO-(0-3)	EPA 5035	680122	EPA 8260	680212
60349454005	DPT-23-SO-(24-25)	EPA 5035	680122	EPA 8260	680212
60349454006	DPT-24-SO-(24-25)	EPA 5035	680122	EPA 8260	680212
60349454007	DPT-25-SO-(24-25)	EPA 5035	680122	EPA 8260	680212
60349454001	DPT-22-SO-(0-3)	ASTM D2974	679595		
60349454002	DPT-22-SO-(17-18)	ASTM D2974	679595		
60349454005	DPT-23-SO-(24-25)	ASTM D2974	679595		
60349454006	DPT-24-SO-(24-25)	ASTM D2974	679595		
60349454007	DPT-25-SO-(24-25)	ASTM D2974	679595		

REPORT OF LABORATORY ANALYSIS

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Sample Condition Upon Receipt

WO#: 60349454



Client Name:

Tetra Tech EMI

Courier: FedEx ☐ UPS ☐ VIA ☐ Clay ☐ PEX ☐ ECI ☐ Pace ☐ Xroads ☒ Client ☐ Other ☐

Tracking #:

Pace Shipping Label Used? Yes ☐ No ☐

Custody Seal on Cooler/Box Present: Yes ☒ No ☐ Seals intact: Yes ☒ No ☐

Packing Material: Bubble Wrap ☐ Bubble Bags ☒ Foam ☒ None ☐ Other ☒ 220LC

Thermometer Used: T298 Type of Ice: Wet Blue ☐ None ☐

Cooler Temperature (°C): As-read 5.7 Corr. Factor -0.4 Corrected 5.3

Date and initials of person examining contents: 02/20/16

Temperature should be above freezing to 6°C

Chain of Custody present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Chain of Custody relinquished:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Samples arrived within holding time:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Short Hold Time analyses (<72hr):	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	
Rush Turn Around Time requested:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	
Sufficient volume:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Correct containers used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Pace containers used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Containers intact:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Unpreserved 5035A / TX1005/1006 soils frozen in 48hrs?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
Filtered volume received for dissolved tests?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	<u>0.04520</u>
Sample labels match COC: Date / time / ID / analyses	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Samples contain multiple phases? Matrix: <u>WT, SL</u>	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	
Containers requiring pH preservation in compliance? (HNO ₃ , H ₂ SO ₄ , HCl<2; NaOH>9 Sulfide, NaOH>10 Cyanide) (Exceptions: VOA, Micro, O&G, KS TPH, OK-DRO)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	List sample IDs, volumes, lot #'s of preservative and the date/time added.
Cyanide water sample checks:		
Lead acetate strip turns dark? (Record only)	<input type="checkbox"/> Yes <input type="checkbox"/> No	
Potassium iodide test strip turns blue/purple? (Preserve)	<input type="checkbox"/> Yes <input type="checkbox"/> No	
Trip Blank present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	<u>2 VOA trip blanks. On COC, the trip blanks say it's a WT matrix but is actually a soil trip blank</u>
Headspace in VOA vials (>6mm):	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	
Samples from USDA Regulated Area: State: <u>MD</u>	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	
Additional labels attached to 5035A / TX1005 vials in the field?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	

Client Notification/ Resolution:

Copy COC to Client? Y / N

Field Data Required? Y / N

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

Project Manager Review: _____

Date: _____

CHAIN-OF-CUSTODY / Analytical Request Document

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:

Section D

Valid Matrix Codes

Section E

Requested Due Date/TAT:

Company: Tetra Tech EMI		Report To: Kaitlyn Mitchell		Attention: Kaitlyn Mitchell	
Address: 415 Oak		Copy To:		Company Name: Tetra Tech EMI	
Kansas City, MO 64106		Purchase Order No.:		Address:	
Email To: kaitlyn.mitchell@tetratech.com		Project Name: Pine Lawn		Pace Quote Reference: Jeffrey Shopper 913-563-1408	
Phone (816) 412-1742 Fax (816) 410-1748		Project Number:		Pace Project Manager: "8083"	
Requested Due Date/TAT:		Project Number:		Pace Profile #	

ITEM #	Section D Required Client Information	Valid Matrix Codes MATRIX CODE DRINKING WATER DW WASTE WATER WT WASTE WATER PRODUCT P WASTE WATER SOLID S WASTE WATER OIL O WASTE WATER WIP W WASTE WATER AIR A WASTE WATER OTHER OT WASTE WATER TISSUE TS	SAMPLE ID (A-Z 0-9 / -)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED COMPOSITE START DATE TIME	COMPOSITE END DATE TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives H ₂ SO ₄ HNO ₃ HCl NaOH Na ₂ S ₂ O ₃ Methanol Other (Specify Preservative)	Analysis Test Y/N	Requested Analysis Filtered (Y/N)									
1	DPT-22-50-(03)			G	09/24/20	0740		7	Unpreserved											
2	DPT-22-50-(17-18)			G	09/24/20	0759		7												
3	Pine Lawn - PBH			G	09/24/20	0829		13												
4	Pine Lawn - 50 - JBH			G	09/24/20	0830		2												
5	DPT-23-50-(24-25)			G	09/24/20	0944		7												
6	DPT-24-50-(24-25)			G	09/24/20	1035		7												
7	DPT-25-50-(24-25)			G	09/24/20	1256		7												
8																				
9																				
10																				
11																				
12																				

ADDITIONAL COMMENTS		RELINQUISHED BY / AFFILIATION		DATE		TIME		ACCEPTED BY / AFFILIATION		DATE		TIME		SAMPLE CONDITIONS	
Thomas Kelly Tetra Tech		Thomas Kelly		09/24/20		1316		Muever/Pace		09/24/20		045533		Y Y Y	
SAMPLER NAME AND SIGNATURE		PRINT Name of SAMPLER: Thomas Kelly & Stephanie Carlos		DATE Signed (MM/DD/YYYY): 09/24/20		Temp in °C		Received on		Cooler (Y/N)		Custody Sealed		Samples Intact (Y/N)	

October 08, 2020

Kaitlyn Mitchell
Tetra Tech EMI
415 Oak
Kansas City, MO 64106

RE: Project: PINE LAWN
Pace Project No.: 60349457

Dear Kaitlyn Mitchell:

Enclosed are the analytical results for sample(s) received by the laboratory on September 25, 2020. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

- Pace Analytical Services - Kansas City

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

Sincerely,



Jeffrey Shopper
jeff.shopper@pacelabs.com
1(913)563-1408
Project Manager

Enclosures



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: PINE LAWN

Pace Project No.: 60349457

Pace Analytical Services Kansas

9608 Loiret Boulevard, Lenexa, KS 66219

Missouri Inorganic Drinking Water Certification #: 10090

Arkansas Drinking Water

Arkansas Certification #: 20-020-0

Arkansas Drinking Water

Illinois Certification #: 200030

Iowa Certification #: 118

Kansas/NELAP Certification #: E-10116

Louisiana Certification #: 03055

Nevada Certification #: KS000212020-2

Oklahoma Certification #: 9205/9935

Florida: Cert E871149 SEKS WET

Texas Certification #: T104704407-19-12

Utah Certification #: KS000212019-9

Illinois Certification #: 004592

Kansas Field Laboratory Accreditation: # E-92587

Missouri SEKS Micro Certification: 10070

REPORT OF LABORATORY ANALYSIS

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SAMPLE SUMMARY

Project: PINE LAWN

Pace Project No.: 60349457

Lab ID	Sample ID	Matrix	Date Collected	Date Received
60349457001	DPT-26-SO-(24-25)	Solid	09/24/20 13:35	09/25/20 04:55
60349457002	DPT-26-SO-(24-25)-FD	Solid	09/24/20 13:35	09/25/20 04:55
60349457003	DPT-27-SO-(29-30)	Solid	09/24/20 14:30	09/25/20 04:55
60349457004	DPT-28-SO-(29-30)	Solid	09/24/20 15:30	09/25/20 04:55
60349457005	DPT-29-SO-(0-2)	Solid	09/24/20 15:38	09/25/20 04:55
60349457006	DPT-29-SO-(29-30)	Solid	09/24/20 16:03	09/25/20 04:55
60349457007	PINE LAWN-GW-TB8	Water	09/24/20 16:21	09/25/20 04:55

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: PINE LAWN

Pace Project No.: 60349457

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
60349457001	DPT-26-SO-(24-25)	EPA 8082	AJB1	8	PASI-K
		EPA 6010	TDS	7	PASI-K
		EPA 7471	MRV	1	PASI-K
		EPA 8270	JMT	73	PASI-K
		EPA 8270	NAW	5	PASI-K
		EPA 8260B	RAD	68	PASI-K
		EPA 8260	RAD	4	PASI-K
		ASTM D2974	DWC	1	PASI-K
60349457002	DPT-26-SO-(24-25)-FD	EPA 8082	AJB1	8	PASI-K
		EPA 6010	TDS	7	PASI-K
		EPA 7471	MRV	1	PASI-K
		EPA 8270	JMT	73	PASI-K
		EPA 8270	NAW	5	PASI-K
		EPA 8260B	RAD	68	PASI-K
		EPA 8260	RAD	4	PASI-K
		ASTM D2974	DWC	1	PASI-K
60349457003	DPT-27-SO-(29-30)	EPA 8082	AJB1	8	PASI-K
		EPA 6010	TDS	7	PASI-K
		EPA 7471	MRV	1	PASI-K
		EPA 8270	JMT	73	PASI-K
		EPA 8270	NAW	5	PASI-K
		EPA 8260B	RAD	68	PASI-K
		EPA 8260	RAD	4	PASI-K
		ASTM D2974	DWC	1	PASI-K
60349457004	DPT-28-SO-(29-30)	EPA 8082	AJB1	8	PASI-K
		EPA 6010	TDS	7	PASI-K
		EPA 7471	MRV	1	PASI-K
		EPA 8270	JMT	73	PASI-K
		EPA 8270	NAW	5	PASI-K
		EPA 8260B	RAD	68	PASI-K
		EPA 8260	RAD	4	PASI-K
		ASTM D2974	DWC	1	PASI-K
60349457005	DPT-29-SO-(0-2)	EPA 8082	AJB1	8	PASI-K
		EPA 6010	TDS	7	PASI-K
		EPA 7471	MRV	1	PASI-K
		EPA 8270	JMT	73	PASI-K
		EPA 8270	NAW	5	PASI-K

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: PINE LAWN

Pace Project No.: 60349457

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
60349457006	DPT-29-SO-(29-30)	EPA 8260B	RAD	68	PASI-K
		EPA 8260	RAD	4	PASI-K
		ASTM D2974	DWC	1	PASI-K
		EPA 8082	AJB1	8	PASI-K
		EPA 6010	TDS	7	PASI-K
		EPA 7471	MRV	1	PASI-K
		EPA 8270	JMT	73	PASI-K
		EPA 8270	NAW	5	PASI-K
		EPA 8260B	RAD	68	PASI-K
		EPA 8260	RAD	4	PASI-K
		ASTM D2974	DWC	1	PASI-K
60349457007	PINE LAWN-GW-TB8	EPA 5030B/8260	CJC	69	PASI-K

PASI-K = Pace Analytical Services - Kansas City

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: PINE LAWN

Pace Project No.: 60349457

Sample: DPT-26-SO-(24-25) **Lab ID:** 60349457001 **Collected:** 09/24/20 13:35 **Received:** 09/25/20 04:55 **Matrix:** Solid

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

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8082 GCS PCB SW								
Analytical Method: EPA 8082 Preparation Method: EPA 3546								
Pace Analytical Services - Kansas City								
PCB-1016 (Aroclor 1016)	ND	ug/kg	35.7	1	10/01/20 16:31	10/02/20 23:40	12674-11-2	
PCB-1221 (Aroclor 1221)	ND	ug/kg	35.7	1	10/01/20 16:31	10/02/20 23:40	11104-28-2	
PCB-1232 (Aroclor 1232)	ND	ug/kg	35.7	1	10/01/20 16:31	10/02/20 23:40	11141-16-5	
PCB-1242 (Aroclor 1242)	ND	ug/kg	35.7	1	10/01/20 16:31	10/02/20 23:40	53469-21-9	
PCB-1248 (Aroclor 1248)	ND	ug/kg	35.7	1	10/01/20 16:31	10/02/20 23:40	12672-29-6	
PCB-1254 (Aroclor 1254)	ND	ug/kg	35.7	1	10/01/20 16:31	10/02/20 23:40	11097-69-1	
PCB-1260 (Aroclor 1260)	ND	ug/kg	35.7	1	10/01/20 16:31	10/02/20 23:40	11096-82-5	
Surrogates								
Decachlorobiphenyl (S)	87	%	28-143	1	10/01/20 16:31	10/02/20 23:40	2051-24-3	
6010 MET ICP Red. Interference								
Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Pace Analytical Services - Kansas City								
Arsenic	1.6	mg/kg	0.85	1	10/05/20 14:38	10/07/20 10:51	7440-38-2	
Barium	67.5	mg/kg	0.42	1	10/05/20 14:38	10/07/20 10:51	7440-39-3	
Cadmium	ND	mg/kg	0.42	1	10/05/20 14:38	10/07/20 10:51	7440-43-9	
Chromium	29.2	mg/kg	0.42	1	10/05/20 14:38	10/07/20 10:51	7440-47-3	
Lead	5.7	mg/kg	0.85	1	10/05/20 14:38	10/07/20 10:51	7439-92-1	
Selenium	ND	mg/kg	1.3	1	10/05/20 14:38	10/07/20 10:51	7782-49-2	
Silver	ND	mg/kg	0.59	1	10/05/20 14:38	10/07/20 10:51	7440-22-4	
7471 Mercury								
Analytical Method: EPA 7471 Preparation Method: EPA 7471								
Pace Analytical Services - Kansas City								
Mercury	ND	mg/kg	0.052	1	10/05/20 10:25	10/06/20 11:22	7439-97-6	
8270 MSSV Semivolatiles								
Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Pace Analytical Services - Kansas City								
Acenaphthene	ND	ug/kg	362	1	09/30/20 12:08	10/06/20 18:11	83-32-9	
Acenaphthylene	ND	ug/kg	362	1	09/30/20 12:08	10/06/20 18:11	208-96-8	
Anthracene	ND	ug/kg	362	1	09/30/20 12:08	10/06/20 18:11	120-12-7	
Benzo(a)anthracene	ND	ug/kg	362	1	09/30/20 12:08	10/06/20 18:11	56-55-3	
Benzo(a)pyrene	ND	ug/kg	362	1	09/30/20 12:08	10/06/20 18:11	50-32-8	
Benzo(b)fluoranthene	ND	ug/kg	362	1	09/30/20 12:08	10/06/20 18:11	205-99-2	
Benzo(g,h,i)perylene	ND	ug/kg	362	1	09/30/20 12:08	10/06/20 18:11	191-24-2	
Benzo(k)fluoranthene	ND	ug/kg	362	1	09/30/20 12:08	10/06/20 18:11	207-08-9	
Benzoic Acid	ND	ug/kg	1830	1	09/30/20 12:08	10/06/20 18:11	65-85-0	
Benzyl alcohol	ND	ug/kg	723	1	09/30/20 12:08	10/06/20 18:11	100-51-6	
4-Bromophenylphenyl ether	ND	ug/kg	362	1	09/30/20 12:08	10/06/20 18:11	101-55-3	
Butylbenzylphthalate	ND	ug/kg	362	1	09/30/20 12:08	10/06/20 18:11	85-68-7	
Carbazole	ND	ug/kg	362	1	09/30/20 12:08	10/06/20 18:11	86-74-8	
4-Chloro-3-methylphenol	ND	ug/kg	723	1	09/30/20 12:08	10/06/20 18:11	59-50-7	
4-Chloroaniline	ND	ug/kg	723	1	09/30/20 12:08	10/06/20 18:11	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/kg	362	1	09/30/20 12:08	10/06/20 18:11	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/kg	362	1	09/30/20 12:08	10/06/20 18:11	111-44-4	
bis(2-Chloroisopropyl) ether	ND	ug/kg	362	1	09/30/20 12:08	10/06/20 18:11	108-60-1	
2-Chloronaphthalene	ND	ug/kg	362	1	09/30/20 12:08	10/06/20 18:11	91-58-7	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: PINE LAWN

Pace Project No.: 60349457

Sample: DPT-26-SO-(24-25) **Lab ID:** 60349457001 **Collected:** 09/24/20 13:35 **Received:** 09/25/20 04:55 **Matrix:** Solid

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

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Semivolatiles		Analytical Method: EPA 8270 Preparation Method: EPA 3546 Pace Analytical Services - Kansas City						
2-Chlorophenol	ND	ug/kg	362	1	09/30/20 12:08	10/06/20 18:11	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/kg	362	1	09/30/20 12:08	10/06/20 18:11	7005-72-3	
Chrysene	ND	ug/kg	362	1	09/30/20 12:08	10/06/20 18:11	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	362	1	09/30/20 12:08	10/06/20 18:11	53-70-3	
Dibenzofuran	ND	ug/kg	362	1	09/30/20 12:08	10/06/20 18:11	132-64-9	
1,2-Dichlorobenzene	ND	ug/kg	362	1	09/30/20 12:08	10/06/20 18:11	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	362	1	09/30/20 12:08	10/06/20 18:11	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	362	1	09/30/20 12:08	10/06/20 18:11	106-46-7	
3,3'-Dichlorobenzidine	ND	ug/kg	723	1	09/30/20 12:08	10/06/20 18:11	91-94-1	
2,4-Dichlorophenol	ND	ug/kg	362	1	09/30/20 12:08	10/06/20 18:11	120-83-2	
Diethylphthalate	ND	ug/kg	362	1	09/30/20 12:08	10/06/20 18:11	84-66-2	
2,4-Dimethylphenol	ND	ug/kg	362	1	09/30/20 12:08	10/06/20 18:11	105-67-9	
Dimethylphthalate	ND	ug/kg	362	1	09/30/20 12:08	10/06/20 18:11	131-11-3	
Di-n-butylphthalate	ND	ug/kg	362	1	09/30/20 12:08	10/06/20 18:11	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/kg	1830	1	09/30/20 12:08	10/06/20 18:11	534-52-1	
2,4-Dinitrophenol	ND	ug/kg	1830	1	09/30/20 12:08	10/06/20 18:11	51-28-5	
2,4-Dinitrotoluene	ND	ug/kg	362	1	09/30/20 12:08	10/06/20 18:11	121-14-2	
2,6-Dinitrotoluene	ND	ug/kg	362	1	09/30/20 12:08	10/06/20 18:11	606-20-2	
Di-n-octylphthalate	ND	ug/kg	362	1	09/30/20 12:08	10/06/20 18:11	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/kg	362	1	09/30/20 12:08	10/06/20 18:11	117-81-7	
Fluoranthene	ND	ug/kg	362	1	09/30/20 12:08	10/06/20 18:11	206-44-0	
Fluorene	ND	ug/kg	362	1	09/30/20 12:08	10/06/20 18:11	86-73-7	
Hexachloro-1,3-butadiene	ND	ug/kg	362	1	09/30/20 12:08	10/06/20 18:11	87-68-3	
Hexachlorobenzene	ND	ug/kg	362	1	09/30/20 12:08	10/06/20 18:11	118-74-1	
Hexachlorocyclopentadiene	ND	ug/kg	362	1	09/30/20 12:08	10/06/20 18:11	77-47-4	
Hexachloroethane	ND	ug/kg	362	1	09/30/20 12:08	10/06/20 18:11	67-72-1	
Indeno(1,2,3-cd)pyrene	ND	ug/kg	362	1	09/30/20 12:08	10/06/20 18:11	193-39-5	
Isophorone	ND	ug/kg	362	1	09/30/20 12:08	10/06/20 18:11	78-59-1	
2-Methylnaphthalene	ND	ug/kg	362	1	09/30/20 12:08	10/06/20 18:11	91-57-6	
2-Methylphenol(o-Cresol)	ND	ug/kg	362	1	09/30/20 12:08	10/06/20 18:11	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/kg	362	1	09/30/20 12:08	10/06/20 18:11	15831-10-4	
Naphthalene	ND	ug/kg	362	1	09/30/20 12:08	10/06/20 18:11	91-20-3	
2-Nitroaniline	ND	ug/kg	723	1	09/30/20 12:08	10/06/20 18:11	88-74-4	
3-Nitroaniline	ND	ug/kg	723	1	09/30/20 12:08	10/06/20 18:11	99-09-2	
4-Nitroaniline	ND	ug/kg	723	1	09/30/20 12:08	10/06/20 18:11	100-01-6	
Nitrobenzene	ND	ug/kg	362	1	09/30/20 12:08	10/06/20 18:11	98-95-3	
2-Nitrophenol	ND	ug/kg	362	1	09/30/20 12:08	10/06/20 18:11	88-75-5	
4-Nitrophenol	ND	ug/kg	1830	1	09/30/20 12:08	10/06/20 18:11	100-02-7	
N-Nitroso-di-n-propylamine	ND	ug/kg	362	1	09/30/20 12:08	10/06/20 18:11	621-64-7	
N-Nitrosodiphenylamine	ND	ug/kg	362	1	09/30/20 12:08	10/06/20 18:11	86-30-6	
Pentachlorophenol	ND	ug/kg	1830	1	09/30/20 12:08	10/06/20 18:11	87-86-5	
Phenanthrene	ND	ug/kg	362	1	09/30/20 12:08	10/06/20 18:11	85-01-8	
Phenol	ND	ug/kg	362	1	09/30/20 12:08	10/06/20 18:11	108-95-2	
Pyrene	ND	ug/kg	362	1	09/30/20 12:08	10/06/20 18:11	129-00-0	
Pyridine	ND	ug/kg	362	1	09/30/20 12:08	10/06/20 18:11	110-86-1	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: PINE LAWN

Pace Project No.: 60349457

Sample: DPT-26-SO-(24-25) **Lab ID: 60349457001** Collected: 09/24/20 13:35 Received: 09/25/20 04:55 Matrix: Solid

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

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
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8270 MSSV Semivolatiles

Analytical Method: EPA 8270 Preparation Method: EPA 3546

Pace Analytical Services - Kansas City

1,2,4-Trichlorobenzene	ND	ug/kg	362	1	09/30/20 12:08	10/06/20 18:11	120-82-1	
2,4,5-Trichlorophenol	ND	ug/kg	362	1	09/30/20 12:08	10/06/20 18:11	95-95-4	
2,4,6-Trichlorophenol	ND	ug/kg	362	1	09/30/20 12:08	10/06/20 18:11	88-06-2	
Surrogates								
Nitrobenzene-d5 (S)	43	%	33-132	1	09/30/20 12:08	10/06/20 18:11	4165-60-0	
2-Fluorobiphenyl (S)	51	%	39-136	1	09/30/20 12:08	10/06/20 18:11	321-60-8	
Terphenyl-d14 (S)	53	%	29-131	1	09/30/20 12:08	10/06/20 18:11	1718-51-0	
Phenol-d6 (S)	43	%	43-95	1	09/30/20 12:08	10/06/20 18:11	13127-88-3	
2-Fluorophenol (S)	44	%	43-96	1	09/30/20 12:08	10/06/20 18:11	367-12-4	
2,4,6-Tribromophenol (S)	40	%	41-108	1	09/30/20 12:08	10/06/20 18:11	118-79-6	S0

8270 MSSV DRO/ORO

Analytical Method: EPA 8270 Preparation Method: EPA 3546

Pace Analytical Services - Kansas City

TPH-ORO	ND	mg/kg	16.1	1	10/02/20 15:13	10/07/20 23:24		
TPH-DRO	ND	mg/kg	16.1	1	10/02/20 15:13	10/07/20 23:24		
Surrogates								
Nitrobenzene-d5 (S)	64	%	33-132	1	10/02/20 15:13	10/07/20 23:24	4165-60-0	
2-Fluorobiphenyl (S)	70	%	39-136	1	10/02/20 15:13	10/07/20 23:24	321-60-8	
Terphenyl-d14 (S)	74	%	29-131	1	10/02/20 15:13	10/07/20 23:24	1718-51-0	

8260 MSV 5035A VOA

Analytical Method: EPA 8260B Preparation Method: EPA 5035A/5030

Pace Analytical Services - Kansas City

Acetone	ND	ug/kg	13.7	1	10/01/20 09:39	10/01/20 14:26	67-64-1	
Benzene	ND	ug/kg	3.4	1	10/01/20 09:39	10/01/20 14:26	71-43-2	
Bromobenzene	ND	ug/kg	3.4	1	10/01/20 09:39	10/01/20 14:26	108-86-1	
Bromochloromethane	ND	ug/kg	3.4	1	10/01/20 09:39	10/01/20 14:26	74-97-5	
Bromodichloromethane	ND	ug/kg	3.4	1	10/01/20 09:39	10/01/20 14:26	75-27-4	
Bromoform	ND	ug/kg	3.4	1	10/01/20 09:39	10/01/20 14:26	75-25-2	
Bromomethane	ND	ug/kg	3.4	1	10/01/20 09:39	10/01/20 14:26	74-83-9	
2-Butanone (MEK)	ND	ug/kg	6.8	1	10/01/20 09:39	10/01/20 14:26	78-93-3	
n-Butylbenzene	ND	ug/kg	3.4	1	10/01/20 09:39	10/01/20 14:26	104-51-8	
sec-Butylbenzene	ND	ug/kg	3.4	1	10/01/20 09:39	10/01/20 14:26	135-98-8	
tert-Butylbenzene	ND	ug/kg	17.1	1	10/01/20 09:39	10/01/20 14:26	98-06-6	
Carbon disulfide	ND	ug/kg	3.4	1	10/01/20 09:39	10/01/20 14:26	75-15-0	
Carbon tetrachloride	ND	ug/kg	3.4	1	10/01/20 09:39	10/01/20 14:26	56-23-5	
Chlorobenzene	ND	ug/kg	3.4	1	10/01/20 09:39	10/01/20 14:26	108-90-7	
Chloroethane	ND	ug/kg	3.4	1	10/01/20 09:39	10/01/20 14:26	75-00-3	
Chloroform	ND	ug/kg	3.4	1	10/01/20 09:39	10/01/20 14:26	67-66-3	
Chloromethane	ND	ug/kg	3.4	1	10/01/20 09:39	10/01/20 14:26	74-87-3	
2-Chlorotoluene	ND	ug/kg	3.4	1	10/01/20 09:39	10/01/20 14:26	95-49-8	
4-Chlorotoluene	ND	ug/kg	3.4	1	10/01/20 09:39	10/01/20 14:26	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/kg	6.8	1	10/01/20 09:39	10/01/20 14:26	96-12-8	
Dibromochloromethane	ND	ug/kg	3.4	1	10/01/20 09:39	10/01/20 14:26	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	3.4	1	10/01/20 09:39	10/01/20 14:26	106-93-4	
Dibromomethane	ND	ug/kg	3.4	1	10/01/20 09:39	10/01/20 14:26	74-95-3	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: PINE LAWN

Pace Project No.: 60349457

Sample: DPT-26-SO-(24-25) Lab ID: 60349457001 Collected: 09/24/20 13:35 Received: 09/25/20 04:55 Matrix: Solid

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

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035A VOA								
Analytical Method: EPA 8260B Preparation Method: EPA 5035A/5030								
Pace Analytical Services - Kansas City								
1,2-Dichlorobenzene	ND	ug/kg	3.4	1	10/01/20 09:39	10/01/20 14:26	95-50-1	SS
1,3-Dichlorobenzene	ND	ug/kg	3.4	1	10/01/20 09:39	10/01/20 14:26	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	3.4	1	10/01/20 09:39	10/01/20 14:26	106-46-7	
Dichlorodifluoromethane	ND	ug/kg	3.4	1	10/01/20 09:39	10/01/20 14:26	75-71-8	
1,1-Dichloroethane	ND	ug/kg	3.4	1	10/01/20 09:39	10/01/20 14:26	75-34-3	
1,2-Dichloroethane	ND	ug/kg	3.4	1	10/01/20 09:39	10/01/20 14:26	107-06-2	
1,2-Dichloroethene (Total)	ND	ug/kg	3.4	1	10/01/20 09:39	10/01/20 14:26	540-59-0	
1,1-Dichloroethene	ND	ug/kg	3.4	1	10/01/20 09:39	10/01/20 14:26	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	3.4	1	10/01/20 09:39	10/01/20 14:26	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	3.4	1	10/01/20 09:39	10/01/20 14:26	156-60-5	
1,2-Dichloropropane	ND	ug/kg	3.4	1	10/01/20 09:39	10/01/20 14:26	78-87-5	
1,3-Dichloropropane	ND	ug/kg	3.4	1	10/01/20 09:39	10/01/20 14:26	142-28-9	
2,2-Dichloropropane	ND	ug/kg	3.4	1	10/01/20 09:39	10/01/20 14:26	594-20-7	
1,1-Dichloropropene	ND	ug/kg	3.4	1	10/01/20 09:39	10/01/20 14:26	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	3.4	1	10/01/20 09:39	10/01/20 14:26	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	3.4	1	10/01/20 09:39	10/01/20 14:26	10061-02-6	
Ethylbenzene	ND	ug/kg	3.4	1	10/01/20 09:39	10/01/20 14:26	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/kg	3.4	1	10/01/20 09:39	10/01/20 14:26	87-68-3	
2-Hexanone	ND	ug/kg	13.7	1	10/01/20 09:39	10/01/20 14:26	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/kg	3.4	1	10/01/20 09:39	10/01/20 14:26	98-82-8	
p-Isopropyltoluene	ND	ug/kg	3.4	1	10/01/20 09:39	10/01/20 14:26	99-87-6	
Methylene Chloride	ND	ug/kg	3.4	1	10/01/20 09:39	10/01/20 14:26	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	6.8	1	10/01/20 09:39	10/01/20 14:26	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	3.4	1	10/01/20 09:39	10/01/20 14:26	1634-04-4	
Naphthalene	ND	ug/kg	6.8	1	10/01/20 09:39	10/01/20 14:26	91-20-3	
n-Propylbenzene	ND	ug/kg	3.4	1	10/01/20 09:39	10/01/20 14:26	103-65-1	
Styrene	ND	ug/kg	3.4	1	10/01/20 09:39	10/01/20 14:26	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	3.4	1	10/01/20 09:39	10/01/20 14:26	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	3.4	1	10/01/20 09:39	10/01/20 14:26	79-34-5	
Tetrachloroethene	ND	ug/kg	3.4	1	10/01/20 09:39	10/01/20 14:26	127-18-4	
Toluene	ND	ug/kg	3.4	1	10/01/20 09:39	10/01/20 14:26	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	3.4	1	10/01/20 09:39	10/01/20 14:26	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	3.4	1	10/01/20 09:39	10/01/20 14:26	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	3.4	1	10/01/20 09:39	10/01/20 14:26	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	3.4	1	10/01/20 09:39	10/01/20 14:26	79-00-5	
Trichloroethene	ND	ug/kg	3.4	1	10/01/20 09:39	10/01/20 14:26	79-01-6	
Trichlorofluoromethane	ND	ug/kg	3.4	1	10/01/20 09:39	10/01/20 14:26	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	3.4	1	10/01/20 09:39	10/01/20 14:26	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/kg	3.4	1	10/01/20 09:39	10/01/20 14:26	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	3.4	1	10/01/20 09:39	10/01/20 14:26	108-67-8	
Vinyl chloride	ND	ug/kg	3.4	1	10/01/20 09:39	10/01/20 14:26	75-01-4	
Xylene (Total)	ND	ug/kg	3.4	1	10/01/20 09:39	10/01/20 14:26	1330-20-7	
Surrogates								
Toluene-d8 (S)	101	%	80-120	1	10/01/20 09:39	10/01/20 14:26	2037-26-5	
4-Bromofluorobenzene (S)	98	%	85-115	1	10/01/20 09:39	10/01/20 14:26	460-00-4	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: PINE LAWN

Pace Project No.: 60349457

Sample: DPT-26-SO-(24-25) **Lab ID:** 60349457001 Collected: 09/24/20 13:35 Received: 09/25/20 04:55 Matrix: Solid

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

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035A VOA								
Analytical Method: EPA 8260B Preparation Method: EPA 5035A/5030								
Pace Analytical Services - Kansas City								
Surrogates								
1,2-Dichloroethane-d4 (S)	107	%	78-118	1	10/01/20 09:39	10/01/20 14:26	17060-07-0	
8260 MSV GRO and Oxygenates								
Analytical Method: EPA 8260 Preparation Method: EPA 5035								
Pace Analytical Services - Kansas City								
TPH-GRO	ND	mg/kg	0.34	1	10/01/20 09:39	10/01/20 14:26		
Surrogates								
Toluene-d8 (S)	101	%	78-122	1	10/01/20 09:39	10/01/20 14:26	2037-26-5	
4-Bromofluorobenzene (S)	98	%	69-133	1	10/01/20 09:39	10/01/20 14:26	460-00-4	
1,2-Dichloroethane-d4 (S)	107	%	80-123	1	10/01/20 09:39	10/01/20 14:26	17060-07-0	
Percent Moisture								
Analytical Method: ASTM D2974								
Pace Analytical Services - Kansas City								
Percent Moisture	10.5	%	0.50	1		09/29/20 14:17		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: PINE LAWN

Pace Project No.: 60349457

Sample: DPT-26-SO-(24-25)-FD **Lab ID:** 60349457002 **Collected:** 09/24/20 13:35 **Received:** 09/25/20 04:55 **Matrix:** Solid

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

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8082 GCS PCB SW								
Analytical Method: EPA 8082 Preparation Method: EPA 3546								
Pace Analytical Services - Kansas City								
PCB-1016 (Aroclor 1016)	ND	ug/kg	36.5	1	10/01/20 16:31	10/02/20 23:58	12674-11-2	
PCB-1221 (Aroclor 1221)	ND	ug/kg	36.5	1	10/01/20 16:31	10/02/20 23:58	11104-28-2	
PCB-1232 (Aroclor 1232)	ND	ug/kg	36.5	1	10/01/20 16:31	10/02/20 23:58	11141-16-5	
PCB-1242 (Aroclor 1242)	ND	ug/kg	36.5	1	10/01/20 16:31	10/02/20 23:58	53469-21-9	
PCB-1248 (Aroclor 1248)	ND	ug/kg	36.5	1	10/01/20 16:31	10/02/20 23:58	12672-29-6	
PCB-1254 (Aroclor 1254)	ND	ug/kg	36.5	1	10/01/20 16:31	10/02/20 23:58	11097-69-1	
PCB-1260 (Aroclor 1260)	ND	ug/kg	36.5	1	10/01/20 16:31	10/02/20 23:58	11096-82-5	
Surrogates								
Decachlorobiphenyl (S)	89	%	28-143	1	10/01/20 16:31	10/02/20 23:58	2051-24-3	
6010 MET ICP Red. Interference								
Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Pace Analytical Services - Kansas City								
Arsenic	2.1	mg/kg	0.86	1	10/05/20 14:38	10/07/20 10:53	7440-38-2	
Barium	71.0	mg/kg	0.43	1	10/05/20 14:38	10/07/20 10:53	7440-39-3	
Cadmium	ND	mg/kg	0.43	1	10/05/20 14:38	10/07/20 10:53	7440-43-9	
Chromium	31.1	mg/kg	0.43	1	10/05/20 14:38	10/07/20 10:53	7440-47-3	
Lead	5.9	mg/kg	0.86	1	10/05/20 14:38	10/07/20 10:53	7439-92-1	
Selenium	ND	mg/kg	1.3	1	10/05/20 14:38	10/07/20 10:53	7782-49-2	
Silver	ND	mg/kg	0.60	1	10/05/20 14:38	10/07/20 10:53	7440-22-4	
7471 Mercury								
Analytical Method: EPA 7471 Preparation Method: EPA 7471								
Pace Analytical Services - Kansas City								
Mercury	ND	mg/kg	0.049	1	10/05/20 10:25	10/06/20 11:24	7439-97-6	
8270 MSSV Semivolatiles								
Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Pace Analytical Services - Kansas City								
Acenaphthene	ND	ug/kg	356	1	09/30/20 12:08	10/06/20 18:32	83-32-9	
Acenaphthylene	ND	ug/kg	356	1	09/30/20 12:08	10/06/20 18:32	208-96-8	
Anthracene	ND	ug/kg	356	1	09/30/20 12:08	10/06/20 18:32	120-12-7	
Benzo(a)anthracene	ND	ug/kg	356	1	09/30/20 12:08	10/06/20 18:32	56-55-3	
Benzo(a)pyrene	ND	ug/kg	356	1	09/30/20 12:08	10/06/20 18:32	50-32-8	
Benzo(b)fluoranthene	ND	ug/kg	356	1	09/30/20 12:08	10/06/20 18:32	205-99-2	
Benzo(g,h,i)perylene	ND	ug/kg	356	1	09/30/20 12:08	10/06/20 18:32	191-24-2	
Benzo(k)fluoranthene	ND	ug/kg	356	1	09/30/20 12:08	10/06/20 18:32	207-08-9	
Benzoic Acid	ND	ug/kg	1800	1	09/30/20 12:08	10/06/20 18:32	65-85-0	
Benzyl alcohol	ND	ug/kg	712	1	09/30/20 12:08	10/06/20 18:32	100-51-6	
4-Bromophenylphenyl ether	ND	ug/kg	356	1	09/30/20 12:08	10/06/20 18:32	101-55-3	
Butylbenzylphthalate	ND	ug/kg	356	1	09/30/20 12:08	10/06/20 18:32	85-68-7	
Carbazole	ND	ug/kg	356	1	09/30/20 12:08	10/06/20 18:32	86-74-8	
4-Chloro-3-methylphenol	ND	ug/kg	712	1	09/30/20 12:08	10/06/20 18:32	59-50-7	
4-Chloroaniline	ND	ug/kg	712	1	09/30/20 12:08	10/06/20 18:32	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/kg	356	1	09/30/20 12:08	10/06/20 18:32	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/kg	356	1	09/30/20 12:08	10/06/20 18:32	111-44-4	
bis(2-Chloroisopropyl) ether	ND	ug/kg	356	1	09/30/20 12:08	10/06/20 18:32	108-60-1	
2-Chloronaphthalene	ND	ug/kg	356	1	09/30/20 12:08	10/06/20 18:32	91-58-7	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: PINE LAWN

Pace Project No.: 60349457

Sample: DPT-26-SO-(24-25)-FD Lab ID: 60349457002 Collected: 09/24/20 13:35 Received: 09/25/20 04:55 Matrix: Solid

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

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Semivolatiles		Analytical Method: EPA 8270 Preparation Method: EPA 3546 Pace Analytical Services - Kansas City						
2-Chlorophenol	ND	ug/kg	356	1	09/30/20 12:08	10/06/20 18:32	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/kg	356	1	09/30/20 12:08	10/06/20 18:32	7005-72-3	
Chrysene	ND	ug/kg	356	1	09/30/20 12:08	10/06/20 18:32	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	356	1	09/30/20 12:08	10/06/20 18:32	53-70-3	
Dibenzofuran	ND	ug/kg	356	1	09/30/20 12:08	10/06/20 18:32	132-64-9	
1,2-Dichlorobenzene	ND	ug/kg	356	1	09/30/20 12:08	10/06/20 18:32	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	356	1	09/30/20 12:08	10/06/20 18:32	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	356	1	09/30/20 12:08	10/06/20 18:32	106-46-7	
3,3'-Dichlorobenzidine	ND	ug/kg	712	1	09/30/20 12:08	10/06/20 18:32	91-94-1	
2,4-Dichlorophenol	ND	ug/kg	356	1	09/30/20 12:08	10/06/20 18:32	120-83-2	
Diethylphthalate	ND	ug/kg	356	1	09/30/20 12:08	10/06/20 18:32	84-66-2	
2,4-Dimethylphenol	ND	ug/kg	356	1	09/30/20 12:08	10/06/20 18:32	105-67-9	
Dimethylphthalate	ND	ug/kg	356	1	09/30/20 12:08	10/06/20 18:32	131-11-3	
Di-n-butylphthalate	ND	ug/kg	356	1	09/30/20 12:08	10/06/20 18:32	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/kg	1800	1	09/30/20 12:08	10/06/20 18:32	534-52-1	
2,4-Dinitrophenol	ND	ug/kg	1800	1	09/30/20 12:08	10/06/20 18:32	51-28-5	
2,4-Dinitrotoluene	ND	ug/kg	356	1	09/30/20 12:08	10/06/20 18:32	121-14-2	
2,6-Dinitrotoluene	ND	ug/kg	356	1	09/30/20 12:08	10/06/20 18:32	606-20-2	
Di-n-octylphthalate	ND	ug/kg	356	1	09/30/20 12:08	10/06/20 18:32	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/kg	356	1	09/30/20 12:08	10/06/20 18:32	117-81-7	
Fluoranthene	ND	ug/kg	356	1	09/30/20 12:08	10/06/20 18:32	206-44-0	
Fluorene	ND	ug/kg	356	1	09/30/20 12:08	10/06/20 18:32	86-73-7	
Hexachloro-1,3-butadiene	ND	ug/kg	356	1	09/30/20 12:08	10/06/20 18:32	87-68-3	
Hexachlorobenzene	ND	ug/kg	356	1	09/30/20 12:08	10/06/20 18:32	118-74-1	
Hexachlorocyclopentadiene	ND	ug/kg	356	1	09/30/20 12:08	10/06/20 18:32	77-47-4	
Hexachloroethane	ND	ug/kg	356	1	09/30/20 12:08	10/06/20 18:32	67-72-1	
Indeno(1,2,3-cd)pyrene	ND	ug/kg	356	1	09/30/20 12:08	10/06/20 18:32	193-39-5	
Isophorone	ND	ug/kg	356	1	09/30/20 12:08	10/06/20 18:32	78-59-1	
2-Methylnaphthalene	ND	ug/kg	356	1	09/30/20 12:08	10/06/20 18:32	91-57-6	
2-Methylphenol(o-Cresol)	ND	ug/kg	356	1	09/30/20 12:08	10/06/20 18:32	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/kg	356	1	09/30/20 12:08	10/06/20 18:32	15831-10-4	
Naphthalene	ND	ug/kg	356	1	09/30/20 12:08	10/06/20 18:32	91-20-3	
2-Nitroaniline	ND	ug/kg	712	1	09/30/20 12:08	10/06/20 18:32	88-74-4	
3-Nitroaniline	ND	ug/kg	712	1	09/30/20 12:08	10/06/20 18:32	99-09-2	
4-Nitroaniline	ND	ug/kg	712	1	09/30/20 12:08	10/06/20 18:32	100-01-6	
Nitrobenzene	ND	ug/kg	356	1	09/30/20 12:08	10/06/20 18:32	98-95-3	
2-Nitrophenol	ND	ug/kg	356	1	09/30/20 12:08	10/06/20 18:32	88-75-5	
4-Nitrophenol	ND	ug/kg	1800	1	09/30/20 12:08	10/06/20 18:32	100-02-7	
N-Nitroso-di-n-propylamine	ND	ug/kg	356	1	09/30/20 12:08	10/06/20 18:32	621-64-7	
N-Nitrosodiphenylamine	ND	ug/kg	356	1	09/30/20 12:08	10/06/20 18:32	86-30-6	
Pentachlorophenol	ND	ug/kg	1800	1	09/30/20 12:08	10/06/20 18:32	87-86-5	
Phenanthrene	ND	ug/kg	356	1	09/30/20 12:08	10/06/20 18:32	85-01-8	
Phenol	ND	ug/kg	356	1	09/30/20 12:08	10/06/20 18:32	108-95-2	
Pyrene	ND	ug/kg	356	1	09/30/20 12:08	10/06/20 18:32	129-00-0	
Pyridine	ND	ug/kg	356	1	09/30/20 12:08	10/06/20 18:32	110-86-1	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: PINE LAWN

Pace Project No.: 60349457

Sample: DPT-26-SO-(24-25)-FD **Lab ID:** 60349457002 **Collected:** 09/24/20 13:35 **Received:** 09/25/20 04:55 **Matrix:** Solid

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

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Semivolatiles								
Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Pace Analytical Services - Kansas City								
1,2,4-Trichlorobenzene	ND	ug/kg	356	1	09/30/20 12:08	10/06/20 18:32	120-82-1	
2,4,5-Trichlorophenol	ND	ug/kg	356	1	09/30/20 12:08	10/06/20 18:32	95-95-4	
2,4,6-Trichlorophenol	ND	ug/kg	356	1	09/30/20 12:08	10/06/20 18:32	88-06-2	
Surrogates								
Nitrobenzene-d5 (S)	54	%	33-132	1	09/30/20 12:08	10/06/20 18:32	4165-60-0	
2-Fluorobiphenyl (S)	61	%	39-136	1	09/30/20 12:08	10/06/20 18:32	321-60-8	
Terphenyl-d14 (S)	67	%	29-131	1	09/30/20 12:08	10/06/20 18:32	1718-51-0	
Phenol-d6 (S)	57	%	43-95	1	09/30/20 12:08	10/06/20 18:32	13127-88-3	
2-Fluorophenol (S)	58	%	43-96	1	09/30/20 12:08	10/06/20 18:32	367-12-4	
2,4,6-Tribromophenol (S)	58	%	41-108	1	09/30/20 12:08	10/06/20 18:32	118-79-6	
8270 MSSV DRO/ORO								
Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Pace Analytical Services - Kansas City								
TPH-ORO	ND	mg/kg	16.0	1	10/02/20 15:13	10/07/20 23:43		
TPH-DRO	ND	mg/kg	16.0	1	10/02/20 15:13	10/07/20 23:43		
Surrogates								
Nitrobenzene-d5 (S)	77	%	33-132	1	10/02/20 15:13	10/07/20 23:43	4165-60-0	
2-Fluorobiphenyl (S)	82	%	39-136	1	10/02/20 15:13	10/07/20 23:43	321-60-8	
Terphenyl-d14 (S)	87	%	29-131	1	10/02/20 15:13	10/07/20 23:43	1718-51-0	
8260 MSV 5035A VOA								
Analytical Method: EPA 8260B Preparation Method: EPA 5035A/5030								
Pace Analytical Services - Kansas City								
Acetone	ND	ug/kg	13.0	1	10/01/20 09:39	10/01/20 14:42	67-64-1	
Benzene	ND	ug/kg	3.2	1	10/01/20 09:39	10/01/20 14:42	71-43-2	
Bromobenzene	ND	ug/kg	3.2	1	10/01/20 09:39	10/01/20 14:42	108-86-1	
Bromochloromethane	ND	ug/kg	3.2	1	10/01/20 09:39	10/01/20 14:42	74-97-5	
Bromodichloromethane	ND	ug/kg	3.2	1	10/01/20 09:39	10/01/20 14:42	75-27-4	
Bromoform	ND	ug/kg	3.2	1	10/01/20 09:39	10/01/20 14:42	75-25-2	
Bromomethane	ND	ug/kg	3.2	1	10/01/20 09:39	10/01/20 14:42	74-83-9	
2-Butanone (MEK)	ND	ug/kg	6.5	1	10/01/20 09:39	10/01/20 14:42	78-93-3	
n-Butylbenzene	ND	ug/kg	3.2	1	10/01/20 09:39	10/01/20 14:42	104-51-8	
sec-Butylbenzene	ND	ug/kg	3.2	1	10/01/20 09:39	10/01/20 14:42	135-98-8	
tert-Butylbenzene	ND	ug/kg	16.2	1	10/01/20 09:39	10/01/20 14:42	98-06-6	
Carbon disulfide	ND	ug/kg	3.2	1	10/01/20 09:39	10/01/20 14:42	75-15-0	
Carbon tetrachloride	ND	ug/kg	3.2	1	10/01/20 09:39	10/01/20 14:42	56-23-5	
Chlorobenzene	ND	ug/kg	3.2	1	10/01/20 09:39	10/01/20 14:42	108-90-7	
Chloroethane	ND	ug/kg	3.2	1	10/01/20 09:39	10/01/20 14:42	75-00-3	
Chloroform	ND	ug/kg	3.2	1	10/01/20 09:39	10/01/20 14:42	67-66-3	
Chloromethane	ND	ug/kg	3.2	1	10/01/20 09:39	10/01/20 14:42	74-87-3	
2-Chlorotoluene	ND	ug/kg	3.2	1	10/01/20 09:39	10/01/20 14:42	95-49-8	
4-Chlorotoluene	ND	ug/kg	3.2	1	10/01/20 09:39	10/01/20 14:42	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/kg	6.5	1	10/01/20 09:39	10/01/20 14:42	96-12-8	
Dibromochloromethane	ND	ug/kg	3.2	1	10/01/20 09:39	10/01/20 14:42	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	3.2	1	10/01/20 09:39	10/01/20 14:42	106-93-4	
Dibromomethane	ND	ug/kg	3.2	1	10/01/20 09:39	10/01/20 14:42	74-95-3	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: PINE LAWN

Pace Project No.: 60349457

Sample: DPT-26-SO-(24-25)-FD Lab ID: 60349457002 Collected: 09/24/20 13:35 Received: 09/25/20 04:55 Matrix: Solid

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

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035A VOA								
Analytical Method: EPA 8260B Preparation Method: EPA 5035A/5030								
Pace Analytical Services - Kansas City								
1,2-Dichlorobenzene	ND	ug/kg	3.2	1	10/01/20 09:39	10/01/20 14:42	95-50-1	SS
1,3-Dichlorobenzene	ND	ug/kg	3.2	1	10/01/20 09:39	10/01/20 14:42	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	3.2	1	10/01/20 09:39	10/01/20 14:42	106-46-7	
Dichlorodifluoromethane	ND	ug/kg	3.2	1	10/01/20 09:39	10/01/20 14:42	75-71-8	
1,1-Dichloroethane	ND	ug/kg	3.2	1	10/01/20 09:39	10/01/20 14:42	75-34-3	
1,2-Dichloroethane	ND	ug/kg	3.2	1	10/01/20 09:39	10/01/20 14:42	107-06-2	
1,2-Dichloroethene (Total)	ND	ug/kg	3.2	1	10/01/20 09:39	10/01/20 14:42	540-59-0	
1,1-Dichloroethene	ND	ug/kg	3.2	1	10/01/20 09:39	10/01/20 14:42	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	3.2	1	10/01/20 09:39	10/01/20 14:42	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	3.2	1	10/01/20 09:39	10/01/20 14:42	156-60-5	
1,2-Dichloropropane	ND	ug/kg	3.2	1	10/01/20 09:39	10/01/20 14:42	78-87-5	
1,3-Dichloropropane	ND	ug/kg	3.2	1	10/01/20 09:39	10/01/20 14:42	142-28-9	
2,2-Dichloropropane	ND	ug/kg	3.2	1	10/01/20 09:39	10/01/20 14:42	594-20-7	
1,1-Dichloropropene	ND	ug/kg	3.2	1	10/01/20 09:39	10/01/20 14:42	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	3.2	1	10/01/20 09:39	10/01/20 14:42	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	3.2	1	10/01/20 09:39	10/01/20 14:42	10061-02-6	
Ethylbenzene	ND	ug/kg	3.2	1	10/01/20 09:39	10/01/20 14:42	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/kg	3.2	1	10/01/20 09:39	10/01/20 14:42	87-68-3	
2-Hexanone	ND	ug/kg	13.0	1	10/01/20 09:39	10/01/20 14:42	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/kg	3.2	1	10/01/20 09:39	10/01/20 14:42	98-82-8	
p-Isopropyltoluene	ND	ug/kg	3.2	1	10/01/20 09:39	10/01/20 14:42	99-87-6	
Methylene Chloride	ND	ug/kg	3.2	1	10/01/20 09:39	10/01/20 14:42	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	6.5	1	10/01/20 09:39	10/01/20 14:42	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	3.2	1	10/01/20 09:39	10/01/20 14:42	1634-04-4	
Naphthalene	ND	ug/kg	6.5	1	10/01/20 09:39	10/01/20 14:42	91-20-3	
n-Propylbenzene	ND	ug/kg	3.2	1	10/01/20 09:39	10/01/20 14:42	103-65-1	
Styrene	ND	ug/kg	3.2	1	10/01/20 09:39	10/01/20 14:42	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	3.2	1	10/01/20 09:39	10/01/20 14:42	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	3.2	1	10/01/20 09:39	10/01/20 14:42	79-34-5	
Tetrachloroethene	ND	ug/kg	3.2	1	10/01/20 09:39	10/01/20 14:42	127-18-4	
Toluene	ND	ug/kg	3.2	1	10/01/20 09:39	10/01/20 14:42	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	3.2	1	10/01/20 09:39	10/01/20 14:42	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	3.2	1	10/01/20 09:39	10/01/20 14:42	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	3.2	1	10/01/20 09:39	10/01/20 14:42	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	3.2	1	10/01/20 09:39	10/01/20 14:42	79-00-5	
Trichloroethene	ND	ug/kg	3.2	1	10/01/20 09:39	10/01/20 14:42	79-01-6	
Trichlorofluoromethane	ND	ug/kg	3.2	1	10/01/20 09:39	10/01/20 14:42	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	3.2	1	10/01/20 09:39	10/01/20 14:42	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/kg	3.2	1	10/01/20 09:39	10/01/20 14:42	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	3.2	1	10/01/20 09:39	10/01/20 14:42	108-67-8	
Vinyl chloride	ND	ug/kg	3.2	1	10/01/20 09:39	10/01/20 14:42	75-01-4	
Xylene (Total)	ND	ug/kg	3.2	1	10/01/20 09:39	10/01/20 14:42	1330-20-7	
Surrogates								
Toluene-d8 (S)	101	%	80-120	1	10/01/20 09:39	10/01/20 14:42	2037-26-5	
4-Bromofluorobenzene (S)	96	%	85-115	1	10/01/20 09:39	10/01/20 14:42	460-00-4	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: PINE LAWN

Pace Project No.: 60349457

Sample: DPT-26-SO-(24-25)-FD **Lab ID:** 60349457002 Collected: 09/24/20 13:35 Received: 09/25/20 04:55 Matrix: Solid

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

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035A VOA								
Analytical Method: EPA 8260B Preparation Method: EPA 5035A/5030								
Pace Analytical Services - Kansas City								
Surrogates								
1,2-Dichloroethane-d4 (S)	106	%	78-118	1	10/01/20 09:39	10/01/20 14:42	17060-07-0	
8260 MSV GRO and Oxygenates								
Analytical Method: EPA 8260 Preparation Method: EPA 5035								
Pace Analytical Services - Kansas City								
TPH-GRO	ND	mg/kg	0.32	1	10/01/20 09:39	10/01/20 14:42		
Surrogates								
Toluene-d8 (S)	101	%	78-122	1	10/01/20 09:39	10/01/20 14:42	2037-26-5	
4-Bromofluorobenzene (S)	96	%	69-133	1	10/01/20 09:39	10/01/20 14:42	460-00-4	
1,2-Dichloroethane-d4 (S)	106	%	80-123	1	10/01/20 09:39	10/01/20 14:42	17060-07-0	
Percent Moisture								
Analytical Method: ASTM D2974								
Pace Analytical Services - Kansas City								
Percent Moisture	10.7	%	0.50	1		09/29/20 14:18		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: PINE LAWN

Pace Project No.: 60349457

Sample: DPT-27-SO-(29-30) **Lab ID:** 60349457003 **Collected:** 09/24/20 14:30 **Received:** 09/25/20 04:55 **Matrix:** Solid

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

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8082 GCS PCB SW								
Analytical Method: EPA 8082 Preparation Method: EPA 3546								
Pace Analytical Services - Kansas City								
PCB-1016 (Aroclor 1016)	ND	ug/kg	39.3	1	10/01/20 16:31	10/03/20 00:16	12674-11-2	
PCB-1221 (Aroclor 1221)	ND	ug/kg	39.3	1	10/01/20 16:31	10/03/20 00:16	11104-28-2	
PCB-1232 (Aroclor 1232)	ND	ug/kg	39.3	1	10/01/20 16:31	10/03/20 00:16	11141-16-5	
PCB-1242 (Aroclor 1242)	ND	ug/kg	39.3	1	10/01/20 16:31	10/03/20 00:16	53469-21-9	
PCB-1248 (Aroclor 1248)	ND	ug/kg	39.3	1	10/01/20 16:31	10/03/20 00:16	12672-29-6	
PCB-1254 (Aroclor 1254)	ND	ug/kg	39.3	1	10/01/20 16:31	10/03/20 00:16	11097-69-1	
PCB-1260 (Aroclor 1260)	ND	ug/kg	39.3	1	10/01/20 16:31	10/03/20 00:16	11096-82-5	
Surrogates								
Decachlorobiphenyl (S)	92	%	28-143	1	10/01/20 16:31	10/03/20 00:16	2051-24-3	
6010 MET ICP Red. Interference								
Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Pace Analytical Services - Kansas City								
Arsenic	12.1	mg/kg	1.8	2	10/05/20 14:38	10/07/20 11:08	7440-38-2	
Barium	493	mg/kg	0.44	1	10/05/20 14:38	10/07/20 10:55	7440-39-3	
Cadmium	ND	mg/kg	0.88	2	10/05/20 14:38	10/07/20 11:08	7440-43-9	D3
Chromium	38.7	mg/kg	0.88	2	10/05/20 14:38	10/07/20 11:08	7440-47-3	
Lead	20.8	mg/kg	1.8	2	10/05/20 14:38	10/07/20 11:08	7439-92-1	
Selenium	ND	mg/kg	2.6	2	10/05/20 14:38	10/07/20 11:08	7782-49-2	D3
Silver	ND	mg/kg	1.2	2	10/05/20 14:38	10/07/20 11:08	7440-22-4	D3
7471 Mercury								
Analytical Method: EPA 7471 Preparation Method: EPA 7471								
Pace Analytical Services - Kansas City								
Mercury	ND	mg/kg	0.058	1	10/05/20 10:25	10/06/20 11:26	7439-97-6	
8270 MSSV Semivolatiles								
Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Pace Analytical Services - Kansas City								
Acenaphthene	ND	ug/kg	396	1	09/30/20 12:08	10/06/20 18:54	83-32-9	
Acenaphthylene	ND	ug/kg	396	1	09/30/20 12:08	10/06/20 18:54	208-96-8	
Anthracene	ND	ug/kg	396	1	09/30/20 12:08	10/06/20 18:54	120-12-7	
Benzo(a)anthracene	ND	ug/kg	396	1	09/30/20 12:08	10/06/20 18:54	56-55-3	
Benzo(a)pyrene	ND	ug/kg	396	1	09/30/20 12:08	10/06/20 18:54	50-32-8	
Benzo(b)fluoranthene	ND	ug/kg	396	1	09/30/20 12:08	10/06/20 18:54	205-99-2	
Benzo(g,h,i)perylene	ND	ug/kg	396	1	09/30/20 12:08	10/06/20 18:54	191-24-2	
Benzo(k)fluoranthene	ND	ug/kg	396	1	09/30/20 12:08	10/06/20 18:54	207-08-9	
Benzoic Acid	ND	ug/kg	2000	1	09/30/20 12:08	10/06/20 18:54	65-85-0	
Benzyl alcohol	ND	ug/kg	791	1	09/30/20 12:08	10/06/20 18:54	100-51-6	
4-Bromophenylphenyl ether	ND	ug/kg	396	1	09/30/20 12:08	10/06/20 18:54	101-55-3	
Butylbenzylphthalate	ND	ug/kg	396	1	09/30/20 12:08	10/06/20 18:54	85-68-7	
Carbazole	ND	ug/kg	396	1	09/30/20 12:08	10/06/20 18:54	86-74-8	
4-Chloro-3-methylphenol	ND	ug/kg	791	1	09/30/20 12:08	10/06/20 18:54	59-50-7	
4-Chloroaniline	ND	ug/kg	791	1	09/30/20 12:08	10/06/20 18:54	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/kg	396	1	09/30/20 12:08	10/06/20 18:54	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/kg	396	1	09/30/20 12:08	10/06/20 18:54	111-44-4	
bis(2-Chloroisopropyl) ether	ND	ug/kg	396	1	09/30/20 12:08	10/06/20 18:54	108-60-1	
2-Chloronaphthalene	ND	ug/kg	396	1	09/30/20 12:08	10/06/20 18:54	91-58-7	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: PINE LAWN

Pace Project No.: 60349457

Sample: DPT-27-SO-(29-30) **Lab ID: 60349457003** Collected: 09/24/20 14:30 Received: 09/25/20 04:55 Matrix: Solid

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

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Semivolatiles		Analytical Method: EPA 8270 Preparation Method: EPA 3546 Pace Analytical Services - Kansas City						
2-Chlorophenol	ND	ug/kg	396	1	09/30/20 12:08	10/06/20 18:54	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/kg	396	1	09/30/20 12:08	10/06/20 18:54	7005-72-3	
Chrysene	ND	ug/kg	396	1	09/30/20 12:08	10/06/20 18:54	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	396	1	09/30/20 12:08	10/06/20 18:54	53-70-3	
Dibenzofuran	ND	ug/kg	396	1	09/30/20 12:08	10/06/20 18:54	132-64-9	
1,2-Dichlorobenzene	ND	ug/kg	396	1	09/30/20 12:08	10/06/20 18:54	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	396	1	09/30/20 12:08	10/06/20 18:54	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	396	1	09/30/20 12:08	10/06/20 18:54	106-46-7	
3,3'-Dichlorobenzidine	ND	ug/kg	791	1	09/30/20 12:08	10/06/20 18:54	91-94-1	
2,4-Dichlorophenol	ND	ug/kg	396	1	09/30/20 12:08	10/06/20 18:54	120-83-2	
Diethylphthalate	ND	ug/kg	396	1	09/30/20 12:08	10/06/20 18:54	84-66-2	
2,4-Dimethylphenol	ND	ug/kg	396	1	09/30/20 12:08	10/06/20 18:54	105-67-9	
Dimethylphthalate	ND	ug/kg	396	1	09/30/20 12:08	10/06/20 18:54	131-11-3	
Di-n-butylphthalate	ND	ug/kg	396	1	09/30/20 12:08	10/06/20 18:54	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/kg	2000	1	09/30/20 12:08	10/06/20 18:54	534-52-1	
2,4-Dinitrophenol	ND	ug/kg	2000	1	09/30/20 12:08	10/06/20 18:54	51-28-5	
2,4-Dinitrotoluene	ND	ug/kg	396	1	09/30/20 12:08	10/06/20 18:54	121-14-2	
2,6-Dinitrotoluene	ND	ug/kg	396	1	09/30/20 12:08	10/06/20 18:54	606-20-2	
Di-n-octylphthalate	ND	ug/kg	396	1	09/30/20 12:08	10/06/20 18:54	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/kg	396	1	09/30/20 12:08	10/06/20 18:54	117-81-7	
Fluoranthene	ND	ug/kg	396	1	09/30/20 12:08	10/06/20 18:54	206-44-0	
Fluorene	ND	ug/kg	396	1	09/30/20 12:08	10/06/20 18:54	86-73-7	
Hexachloro-1,3-butadiene	ND	ug/kg	396	1	09/30/20 12:08	10/06/20 18:54	87-68-3	
Hexachlorobenzene	ND	ug/kg	396	1	09/30/20 12:08	10/06/20 18:54	118-74-1	
Hexachlorocyclopentadiene	ND	ug/kg	396	1	09/30/20 12:08	10/06/20 18:54	77-47-4	
Hexachloroethane	ND	ug/kg	396	1	09/30/20 12:08	10/06/20 18:54	67-72-1	
Indeno(1,2,3-cd)pyrene	ND	ug/kg	396	1	09/30/20 12:08	10/06/20 18:54	193-39-5	
Isophorone	ND	ug/kg	396	1	09/30/20 12:08	10/06/20 18:54	78-59-1	
2-Methylnaphthalene	ND	ug/kg	396	1	09/30/20 12:08	10/06/20 18:54	91-57-6	
2-Methylphenol(o-Cresol)	ND	ug/kg	396	1	09/30/20 12:08	10/06/20 18:54	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/kg	396	1	09/30/20 12:08	10/06/20 18:54	15831-10-4	
Naphthalene	ND	ug/kg	396	1	09/30/20 12:08	10/06/20 18:54	91-20-3	
2-Nitroaniline	ND	ug/kg	791	1	09/30/20 12:08	10/06/20 18:54	88-74-4	
3-Nitroaniline	ND	ug/kg	791	1	09/30/20 12:08	10/06/20 18:54	99-09-2	
4-Nitroaniline	ND	ug/kg	791	1	09/30/20 12:08	10/06/20 18:54	100-01-6	
Nitrobenzene	ND	ug/kg	396	1	09/30/20 12:08	10/06/20 18:54	98-95-3	
2-Nitrophenol	ND	ug/kg	396	1	09/30/20 12:08	10/06/20 18:54	88-75-5	
4-Nitrophenol	ND	ug/kg	2000	1	09/30/20 12:08	10/06/20 18:54	100-02-7	
N-Nitroso-di-n-propylamine	ND	ug/kg	396	1	09/30/20 12:08	10/06/20 18:54	621-64-7	
N-Nitrosodiphenylamine	ND	ug/kg	396	1	09/30/20 12:08	10/06/20 18:54	86-30-6	
Pentachlorophenol	ND	ug/kg	2000	1	09/30/20 12:08	10/06/20 18:54	87-86-5	
Phenanthrene	ND	ug/kg	396	1	09/30/20 12:08	10/06/20 18:54	85-01-8	
Phenol	ND	ug/kg	396	1	09/30/20 12:08	10/06/20 18:54	108-95-2	
Pyrene	ND	ug/kg	396	1	09/30/20 12:08	10/06/20 18:54	129-00-0	
Pyridine	ND	ug/kg	396	1	09/30/20 12:08	10/06/20 18:54	110-86-1	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: PINE LAWN

Pace Project No.: 60349457

Sample: DPT-27-SO-(29-30) Lab ID: 60349457003 Collected: 09/24/20 14:30 Received: 09/25/20 04:55 Matrix: Solid

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

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
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8270 MSSV Semivolatiles

Analytical Method: EPA 8270 Preparation Method: EPA 3546

Pace Analytical Services - Kansas City

1,2,4-Trichlorobenzene	ND	ug/kg	396	1	09/30/20 12:08	10/06/20 18:54	120-82-1	
2,4,5-Trichlorophenol	ND	ug/kg	396	1	09/30/20 12:08	10/06/20 18:54	95-95-4	
2,4,6-Trichlorophenol	ND	ug/kg	396	1	09/30/20 12:08	10/06/20 18:54	88-06-2	
Surrogates								
Nitrobenzene-d5 (S)	61	%	33-132	1	09/30/20 12:08	10/06/20 18:54	4165-60-0	
2-Fluorobiphenyl (S)	74	%	39-136	1	09/30/20 12:08	10/06/20 18:54	321-60-8	
Terphenyl-d14 (S)	80	%	29-131	1	09/30/20 12:08	10/06/20 18:54	1718-51-0	
Phenol-d6 (S)	68	%	43-95	1	09/30/20 12:08	10/06/20 18:54	13127-88-3	
2-Fluorophenol (S)	69	%	43-96	1	09/30/20 12:08	10/06/20 18:54	367-12-4	
2,4,6-Tribromophenol (S)	73	%	41-108	1	09/30/20 12:08	10/06/20 18:54	118-79-6	

8270 MSSV DRO/ORO

Analytical Method: EPA 8270 Preparation Method: EPA 3546

Pace Analytical Services - Kansas City

TPH-ORO	ND	mg/kg	17.7	1	10/02/20 15:13	10/08/20 00:03		
TPH-DRO	ND	mg/kg	17.7	1	10/02/20 15:13	10/08/20 00:03		
Surrogates								
Nitrobenzene-d5 (S)	69	%	33-132	1	10/02/20 15:13	10/08/20 00:03	4165-60-0	
2-Fluorobiphenyl (S)	77	%	39-136	1	10/02/20 15:13	10/08/20 00:03	321-60-8	
Terphenyl-d14 (S)	82	%	29-131	1	10/02/20 15:13	10/08/20 00:03	1718-51-0	

8260 MSV 5035A VOA

Analytical Method: EPA 8260B Preparation Method: EPA 5035A/5030

Pace Analytical Services - Kansas City

Acetone	ND	ug/kg	13.1	1	10/01/20 09:39	10/01/20 14:57	67-64-1	
Benzene	ND	ug/kg	3.3	1	10/01/20 09:39	10/01/20 14:57	71-43-2	
Bromobenzene	ND	ug/kg	3.3	1	10/01/20 09:39	10/01/20 14:57	108-86-1	
Bromochloromethane	ND	ug/kg	3.3	1	10/01/20 09:39	10/01/20 14:57	74-97-5	
Bromodichloromethane	ND	ug/kg	3.3	1	10/01/20 09:39	10/01/20 14:57	75-27-4	
Bromoform	ND	ug/kg	3.3	1	10/01/20 09:39	10/01/20 14:57	75-25-2	
Bromomethane	ND	ug/kg	3.3	1	10/01/20 09:39	10/01/20 14:57	74-83-9	
2-Butanone (MEK)	ND	ug/kg	6.6	1	10/01/20 09:39	10/01/20 14:57	78-93-3	
n-Butylbenzene	ND	ug/kg	3.3	1	10/01/20 09:39	10/01/20 14:57	104-51-8	
sec-Butylbenzene	ND	ug/kg	3.3	1	10/01/20 09:39	10/01/20 14:57	135-98-8	
tert-Butylbenzene	ND	ug/kg	16.4	1	10/01/20 09:39	10/01/20 14:57	98-06-6	
Carbon disulfide	ND	ug/kg	3.3	1	10/01/20 09:39	10/01/20 14:57	75-15-0	
Carbon tetrachloride	ND	ug/kg	3.3	1	10/01/20 09:39	10/01/20 14:57	56-23-5	
Chlorobenzene	ND	ug/kg	3.3	1	10/01/20 09:39	10/01/20 14:57	108-90-7	
Chloroethane	ND	ug/kg	3.3	1	10/01/20 09:39	10/01/20 14:57	75-00-3	
Chloroform	ND	ug/kg	3.3	1	10/01/20 09:39	10/01/20 14:57	67-66-3	
Chloromethane	ND	ug/kg	3.3	1	10/01/20 09:39	10/01/20 14:57	74-87-3	
2-Chlorotoluene	ND	ug/kg	3.3	1	10/01/20 09:39	10/01/20 14:57	95-49-8	
4-Chlorotoluene	ND	ug/kg	3.3	1	10/01/20 09:39	10/01/20 14:57	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/kg	6.6	1	10/01/20 09:39	10/01/20 14:57	96-12-8	
Dibromochloromethane	ND	ug/kg	3.3	1	10/01/20 09:39	10/01/20 14:57	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	3.3	1	10/01/20 09:39	10/01/20 14:57	106-93-4	
Dibromomethane	ND	ug/kg	3.3	1	10/01/20 09:39	10/01/20 14:57	74-95-3	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: PINE LAWN

Pace Project No.: 60349457

Sample: DPT-27-SO-(29-30) **Lab ID:** 60349457003 **Collected:** 09/24/20 14:30 **Received:** 09/25/20 04:55 **Matrix:** Solid

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

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035A VOA								
Analytical Method: EPA 8260B Preparation Method: EPA 5035A/5030								
Pace Analytical Services - Kansas City								
1,2-Dichlorobenzene	ND	ug/kg	3.3	1	10/01/20 09:39	10/01/20 14:57	95-50-1	SS
1,3-Dichlorobenzene	ND	ug/kg	3.3	1	10/01/20 09:39	10/01/20 14:57	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	3.3	1	10/01/20 09:39	10/01/20 14:57	106-46-7	
Dichlorodifluoromethane	ND	ug/kg	3.3	1	10/01/20 09:39	10/01/20 14:57	75-71-8	
1,1-Dichloroethane	ND	ug/kg	3.3	1	10/01/20 09:39	10/01/20 14:57	75-34-3	
1,2-Dichloroethane	ND	ug/kg	3.3	1	10/01/20 09:39	10/01/20 14:57	107-06-2	
1,2-Dichloroethene (Total)	ND	ug/kg	3.3	1	10/01/20 09:39	10/01/20 14:57	540-59-0	
1,1-Dichloroethene	ND	ug/kg	3.3	1	10/01/20 09:39	10/01/20 14:57	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	3.3	1	10/01/20 09:39	10/01/20 14:57	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	3.3	1	10/01/20 09:39	10/01/20 14:57	156-60-5	
1,2-Dichloropropane	ND	ug/kg	3.3	1	10/01/20 09:39	10/01/20 14:57	78-87-5	
1,3-Dichloropropane	ND	ug/kg	3.3	1	10/01/20 09:39	10/01/20 14:57	142-28-9	
2,2-Dichloropropane	ND	ug/kg	3.3	1	10/01/20 09:39	10/01/20 14:57	594-20-7	
1,1-Dichloropropene	ND	ug/kg	3.3	1	10/01/20 09:39	10/01/20 14:57	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	3.3	1	10/01/20 09:39	10/01/20 14:57	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	3.3	1	10/01/20 09:39	10/01/20 14:57	10061-02-6	
Ethylbenzene	ND	ug/kg	3.3	1	10/01/20 09:39	10/01/20 14:57	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/kg	3.3	1	10/01/20 09:39	10/01/20 14:57	87-68-3	
2-Hexanone	ND	ug/kg	13.1	1	10/01/20 09:39	10/01/20 14:57	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/kg	3.3	1	10/01/20 09:39	10/01/20 14:57	98-82-8	
p-Isopropyltoluene	ND	ug/kg	3.3	1	10/01/20 09:39	10/01/20 14:57	99-87-6	
Methylene Chloride	ND	ug/kg	3.3	1	10/01/20 09:39	10/01/20 14:57	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	6.6	1	10/01/20 09:39	10/01/20 14:57	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	3.3	1	10/01/20 09:39	10/01/20 14:57	1634-04-4	
Naphthalene	ND	ug/kg	6.6	1	10/01/20 09:39	10/01/20 14:57	91-20-3	
n-Propylbenzene	ND	ug/kg	3.3	1	10/01/20 09:39	10/01/20 14:57	103-65-1	
Styrene	ND	ug/kg	3.3	1	10/01/20 09:39	10/01/20 14:57	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	3.3	1	10/01/20 09:39	10/01/20 14:57	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	3.3	1	10/01/20 09:39	10/01/20 14:57	79-34-5	
Tetrachloroethene	ND	ug/kg	3.3	1	10/01/20 09:39	10/01/20 14:57	127-18-4	
Toluene	ND	ug/kg	3.3	1	10/01/20 09:39	10/01/20 14:57	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	3.3	1	10/01/20 09:39	10/01/20 14:57	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	3.3	1	10/01/20 09:39	10/01/20 14:57	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	3.3	1	10/01/20 09:39	10/01/20 14:57	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	3.3	1	10/01/20 09:39	10/01/20 14:57	79-00-5	
Trichloroethene	ND	ug/kg	3.3	1	10/01/20 09:39	10/01/20 14:57	79-01-6	
Trichlorofluoromethane	ND	ug/kg	3.3	1	10/01/20 09:39	10/01/20 14:57	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	3.3	1	10/01/20 09:39	10/01/20 14:57	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/kg	3.3	1	10/01/20 09:39	10/01/20 14:57	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	3.3	1	10/01/20 09:39	10/01/20 14:57	108-67-8	
Vinyl chloride	ND	ug/kg	3.3	1	10/01/20 09:39	10/01/20 14:57	75-01-4	
Xylene (Total)	ND	ug/kg	3.3	1	10/01/20 09:39	10/01/20 14:57	1330-20-7	
Surrogates								
Toluene-d8 (S)	100	%	80-120	1	10/01/20 09:39	10/01/20 14:57	2037-26-5	
4-Bromofluorobenzene (S)	96	%	85-115	1	10/01/20 09:39	10/01/20 14:57	460-00-4	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: PINE LAWN

Pace Project No.: 60349457

Sample: DPT-27-SO-(29-30) **Lab ID:** 60349457003 **Collected:** 09/24/20 14:30 **Received:** 09/25/20 04:55 **Matrix:** Solid

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

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035A VOA								
Analytical Method: EPA 8260B Preparation Method: EPA 5035A/5030								
Pace Analytical Services - Kansas City								
Surrogates								
1,2-Dichloroethane-d4 (S)	104	%	78-118	1	10/01/20 09:39	10/01/20 14:57	17060-07-0	
8260 MSV GRO and Oxygenates								
Analytical Method: EPA 8260 Preparation Method: EPA 5035								
Pace Analytical Services - Kansas City								
TPH-GRO	ND	mg/kg	0.33	1	10/01/20 09:39	10/01/20 14:57		
Surrogates								
Toluene-d8 (S)	100	%	78-122	1	10/01/20 09:39	10/01/20 14:57	2037-26-5	
4-Bromofluorobenzene (S)	96	%	69-133	1	10/01/20 09:39	10/01/20 14:57	460-00-4	
1,2-Dichloroethane-d4 (S)	104	%	80-123	1	10/01/20 09:39	10/01/20 14:57	17060-07-0	
Percent Moisture								
Analytical Method: ASTM D2974								
Pace Analytical Services - Kansas City								
Percent Moisture	17.2	%	0.50	1		09/29/20 14:18		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: PINE LAWN

Pace Project No.: 60349457

Sample: DPT-28-SO-(29-30) **Lab ID: 60349457004** Collected: 09/24/20 15:30 Received: 09/25/20 04:55 Matrix: Solid

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

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8082 GCS PCB SW								
Analytical Method: EPA 8082 Preparation Method: EPA 3546								
Pace Analytical Services - Kansas City								
PCB-1016 (Aroclor 1016)	ND	ug/kg	38.9	1	10/01/20 16:31	10/03/20 00:34	12674-11-2	
PCB-1221 (Aroclor 1221)	ND	ug/kg	38.9	1	10/01/20 16:31	10/03/20 00:34	11104-28-2	
PCB-1232 (Aroclor 1232)	ND	ug/kg	38.9	1	10/01/20 16:31	10/03/20 00:34	11141-16-5	
PCB-1242 (Aroclor 1242)	ND	ug/kg	38.9	1	10/01/20 16:31	10/03/20 00:34	53469-21-9	
PCB-1248 (Aroclor 1248)	ND	ug/kg	38.9	1	10/01/20 16:31	10/03/20 00:34	12672-29-6	
PCB-1254 (Aroclor 1254)	ND	ug/kg	38.9	1	10/01/20 16:31	10/03/20 00:34	11097-69-1	
PCB-1260 (Aroclor 1260)	ND	ug/kg	38.9	1	10/01/20 16:31	10/03/20 00:34	11096-82-5	
Surrogates								
Decachlorobiphenyl (S)	96	%	28-143	1	10/01/20 16:31	10/03/20 00:34	2051-24-3	
6010 MET ICP Red. Interference								
Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Pace Analytical Services - Kansas City								
Arsenic	4.0	mg/kg	1.1	1	10/05/20 14:38	10/07/20 10:58	7440-38-2	
Barium	164	mg/kg	0.53	1	10/05/20 14:38	10/07/20 10:58	7440-39-3	
Cadmium	ND	mg/kg	0.53	1	10/05/20 14:38	10/07/20 10:58	7440-43-9	
Chromium	32.6	mg/kg	0.53	1	10/05/20 14:38	10/07/20 10:58	7440-47-3	
Lead	8.2	mg/kg	1.1	1	10/05/20 14:38	10/07/20 10:58	7439-92-1	
Selenium	ND	mg/kg	1.6	1	10/05/20 14:38	10/07/20 10:58	7782-49-2	
Silver	ND	mg/kg	0.74	1	10/05/20 14:38	10/07/20 10:58	7440-22-4	
7471 Mercury								
Analytical Method: EPA 7471 Preparation Method: EPA 7471								
Pace Analytical Services - Kansas City								
Mercury	ND	mg/kg	0.053	1	10/05/20 10:25	10/06/20 11:33	7439-97-6	
8270 MSSV Semivolatiles								
Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Pace Analytical Services - Kansas City								
Acenaphthene	ND	ug/kg	384	1	09/30/20 12:08	10/06/20 19:15	83-32-9	
Acenaphthylene	ND	ug/kg	384	1	09/30/20 12:08	10/06/20 19:15	208-96-8	
Anthracene	ND	ug/kg	384	1	09/30/20 12:08	10/06/20 19:15	120-12-7	
Benzo(a)anthracene	ND	ug/kg	384	1	09/30/20 12:08	10/06/20 19:15	56-55-3	
Benzo(a)pyrene	ND	ug/kg	384	1	09/30/20 12:08	10/06/20 19:15	50-32-8	
Benzo(b)fluoranthene	ND	ug/kg	384	1	09/30/20 12:08	10/06/20 19:15	205-99-2	
Benzo(g,h,i)perylene	ND	ug/kg	384	1	09/30/20 12:08	10/06/20 19:15	191-24-2	
Benzo(k)fluoranthene	ND	ug/kg	384	1	09/30/20 12:08	10/06/20 19:15	207-08-9	
Benzoic Acid	ND	ug/kg	1940	1	09/30/20 12:08	10/06/20 19:15	65-85-0	
Benzyl alcohol	ND	ug/kg	769	1	09/30/20 12:08	10/06/20 19:15	100-51-6	
4-Bromophenylphenyl ether	ND	ug/kg	384	1	09/30/20 12:08	10/06/20 19:15	101-55-3	
Butylbenzylphthalate	ND	ug/kg	384	1	09/30/20 12:08	10/06/20 19:15	85-68-7	
Carbazole	ND	ug/kg	384	1	09/30/20 12:08	10/06/20 19:15	86-74-8	
4-Chloro-3-methylphenol	ND	ug/kg	769	1	09/30/20 12:08	10/06/20 19:15	59-50-7	
4-Chloroaniline	ND	ug/kg	769	1	09/30/20 12:08	10/06/20 19:15	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/kg	384	1	09/30/20 12:08	10/06/20 19:15	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/kg	384	1	09/30/20 12:08	10/06/20 19:15	111-44-4	
bis(2-Chloroisopropyl) ether	ND	ug/kg	384	1	09/30/20 12:08	10/06/20 19:15	108-60-1	
2-Chloronaphthalene	ND	ug/kg	384	1	09/30/20 12:08	10/06/20 19:15	91-58-7	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: PINE LAWN

Pace Project No.: 60349457

Sample: DPT-28-SO-(29-30) **Lab ID: 60349457004** Collected: 09/24/20 15:30 Received: 09/25/20 04:55 Matrix: Solid

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

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Semivolatiles		Analytical Method: EPA 8270 Preparation Method: EPA 3546 Pace Analytical Services - Kansas City						
2-Chlorophenol	ND	ug/kg	384	1	09/30/20 12:08	10/06/20 19:15	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/kg	384	1	09/30/20 12:08	10/06/20 19:15	7005-72-3	
Chrysene	ND	ug/kg	384	1	09/30/20 12:08	10/06/20 19:15	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	384	1	09/30/20 12:08	10/06/20 19:15	53-70-3	
Dibenzofuran	ND	ug/kg	384	1	09/30/20 12:08	10/06/20 19:15	132-64-9	
1,2-Dichlorobenzene	ND	ug/kg	384	1	09/30/20 12:08	10/06/20 19:15	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	384	1	09/30/20 12:08	10/06/20 19:15	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	384	1	09/30/20 12:08	10/06/20 19:15	106-46-7	
3,3'-Dichlorobenzidine	ND	ug/kg	769	1	09/30/20 12:08	10/06/20 19:15	91-94-1	
2,4-Dichlorophenol	ND	ug/kg	384	1	09/30/20 12:08	10/06/20 19:15	120-83-2	
Diethylphthalate	ND	ug/kg	384	1	09/30/20 12:08	10/06/20 19:15	84-66-2	
2,4-Dimethylphenol	ND	ug/kg	384	1	09/30/20 12:08	10/06/20 19:15	105-67-9	
Dimethylphthalate	ND	ug/kg	384	1	09/30/20 12:08	10/06/20 19:15	131-11-3	
Di-n-butylphthalate	ND	ug/kg	384	1	09/30/20 12:08	10/06/20 19:15	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/kg	1940	1	09/30/20 12:08	10/06/20 19:15	534-52-1	
2,4-Dinitrophenol	ND	ug/kg	1940	1	09/30/20 12:08	10/06/20 19:15	51-28-5	
2,4-Dinitrotoluene	ND	ug/kg	384	1	09/30/20 12:08	10/06/20 19:15	121-14-2	
2,6-Dinitrotoluene	ND	ug/kg	384	1	09/30/20 12:08	10/06/20 19:15	606-20-2	
Di-n-octylphthalate	ND	ug/kg	384	1	09/30/20 12:08	10/06/20 19:15	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/kg	384	1	09/30/20 12:08	10/06/20 19:15	117-81-7	
Fluoranthene	ND	ug/kg	384	1	09/30/20 12:08	10/06/20 19:15	206-44-0	
Fluorene	ND	ug/kg	384	1	09/30/20 12:08	10/06/20 19:15	86-73-7	
Hexachloro-1,3-butadiene	ND	ug/kg	384	1	09/30/20 12:08	10/06/20 19:15	87-68-3	
Hexachlorobenzene	ND	ug/kg	384	1	09/30/20 12:08	10/06/20 19:15	118-74-1	
Hexachlorocyclopentadiene	ND	ug/kg	384	1	09/30/20 12:08	10/06/20 19:15	77-47-4	
Hexachloroethane	ND	ug/kg	384	1	09/30/20 12:08	10/06/20 19:15	67-72-1	
Indeno(1,2,3-cd)pyrene	ND	ug/kg	384	1	09/30/20 12:08	10/06/20 19:15	193-39-5	
Isophorone	ND	ug/kg	384	1	09/30/20 12:08	10/06/20 19:15	78-59-1	
2-Methylnaphthalene	ND	ug/kg	384	1	09/30/20 12:08	10/06/20 19:15	91-57-6	
2-Methylphenol(o-Cresol)	ND	ug/kg	384	1	09/30/20 12:08	10/06/20 19:15	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/kg	384	1	09/30/20 12:08	10/06/20 19:15	15831-10-4	
Naphthalene	ND	ug/kg	384	1	09/30/20 12:08	10/06/20 19:15	91-20-3	
2-Nitroaniline	ND	ug/kg	769	1	09/30/20 12:08	10/06/20 19:15	88-74-4	
3-Nitroaniline	ND	ug/kg	769	1	09/30/20 12:08	10/06/20 19:15	99-09-2	
4-Nitroaniline	ND	ug/kg	769	1	09/30/20 12:08	10/06/20 19:15	100-01-6	
Nitrobenzene	ND	ug/kg	384	1	09/30/20 12:08	10/06/20 19:15	98-95-3	
2-Nitrophenol	ND	ug/kg	384	1	09/30/20 12:08	10/06/20 19:15	88-75-5	
4-Nitrophenol	ND	ug/kg	1940	1	09/30/20 12:08	10/06/20 19:15	100-02-7	
N-Nitroso-di-n-propylamine	ND	ug/kg	384	1	09/30/20 12:08	10/06/20 19:15	621-64-7	
N-Nitrosodiphenylamine	ND	ug/kg	384	1	09/30/20 12:08	10/06/20 19:15	86-30-6	
Pentachlorophenol	ND	ug/kg	1940	1	09/30/20 12:08	10/06/20 19:15	87-86-5	
Phenanthrene	ND	ug/kg	384	1	09/30/20 12:08	10/06/20 19:15	85-01-8	
Phenol	ND	ug/kg	384	1	09/30/20 12:08	10/06/20 19:15	108-95-2	
Pyrene	ND	ug/kg	384	1	09/30/20 12:08	10/06/20 19:15	129-00-0	
Pyridine	ND	ug/kg	384	1	09/30/20 12:08	10/06/20 19:15	110-86-1	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: PINE LAWN

Pace Project No.: 60349457

Sample: DPT-28-SO-(29-30) **Lab ID: 60349457004** Collected: 09/24/20 15:30 Received: 09/25/20 04:55 Matrix: Solid

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

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Semivolatiles								
Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Pace Analytical Services - Kansas City								
1,2,4-Trichlorobenzene	ND	ug/kg	384	1	09/30/20 12:08	10/06/20 19:15	120-82-1	
2,4,5-Trichlorophenol	ND	ug/kg	384	1	09/30/20 12:08	10/06/20 19:15	95-95-4	
2,4,6-Trichlorophenol	ND	ug/kg	384	1	09/30/20 12:08	10/06/20 19:15	88-06-2	
Surrogates								
Nitrobenzene-d5 (S)	60	%	33-132	1	09/30/20 12:08	10/06/20 19:15	4165-60-0	
2-Fluorobiphenyl (S)	70	%	39-136	1	09/30/20 12:08	10/06/20 19:15	321-60-8	
Terphenyl-d14 (S)	75	%	29-131	1	09/30/20 12:08	10/06/20 19:15	1718-51-0	
Phenol-d6 (S)	64	%	43-95	1	09/30/20 12:08	10/06/20 19:15	13127-88-3	
2-Fluorophenol (S)	65	%	43-96	1	09/30/20 12:08	10/06/20 19:15	367-12-4	
2,4,6-Tribromophenol (S)	68	%	41-108	1	09/30/20 12:08	10/06/20 19:15	118-79-6	
8270 MSSV DRO/ORO								
Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Pace Analytical Services - Kansas City								
TPH-ORO	ND	mg/kg	17.7	1	10/02/20 15:13	10/08/20 00:23		
TPH-DRO	ND	mg/kg	17.7	1	10/02/20 15:13	10/08/20 00:23		
Surrogates								
Nitrobenzene-d5 (S)	76	%	33-132	1	10/02/20 15:13	10/08/20 00:23	4165-60-0	
2-Fluorobiphenyl (S)	83	%	39-136	1	10/02/20 15:13	10/08/20 00:23	321-60-8	
Terphenyl-d14 (S)	87	%	29-131	1	10/02/20 15:13	10/08/20 00:23	1718-51-0	
8260 MSV 5035A VOA								
Analytical Method: EPA 8260B Preparation Method: EPA 5035A/5030								
Pace Analytical Services - Kansas City								
Acetone	ND	ug/kg	13.8	1	10/01/20 09:39	10/01/20 15:12	67-64-1	
Benzene	ND	ug/kg	3.5	1	10/01/20 09:39	10/01/20 15:12	71-43-2	
Bromobenzene	ND	ug/kg	3.5	1	10/01/20 09:39	10/01/20 15:12	108-86-1	
Bromochloromethane	ND	ug/kg	3.5	1	10/01/20 09:39	10/01/20 15:12	74-97-5	
Bromodichloromethane	ND	ug/kg	3.5	1	10/01/20 09:39	10/01/20 15:12	75-27-4	
Bromoform	ND	ug/kg	3.5	1	10/01/20 09:39	10/01/20 15:12	75-25-2	
Bromomethane	ND	ug/kg	3.5	1	10/01/20 09:39	10/01/20 15:12	74-83-9	
2-Butanone (MEK)	ND	ug/kg	6.9	1	10/01/20 09:39	10/01/20 15:12	78-93-3	
n-Butylbenzene	ND	ug/kg	3.5	1	10/01/20 09:39	10/01/20 15:12	104-51-8	
sec-Butylbenzene	ND	ug/kg	3.5	1	10/01/20 09:39	10/01/20 15:12	135-98-8	
tert-Butylbenzene	ND	ug/kg	17.3	1	10/01/20 09:39	10/01/20 15:12	98-06-6	
Carbon disulfide	ND	ug/kg	3.5	1	10/01/20 09:39	10/01/20 15:12	75-15-0	
Carbon tetrachloride	ND	ug/kg	3.5	1	10/01/20 09:39	10/01/20 15:12	56-23-5	
Chlorobenzene	ND	ug/kg	3.5	1	10/01/20 09:39	10/01/20 15:12	108-90-7	
Chloroethane	ND	ug/kg	3.5	1	10/01/20 09:39	10/01/20 15:12	75-00-3	
Chloroform	ND	ug/kg	3.5	1	10/01/20 09:39	10/01/20 15:12	67-66-3	
Chloromethane	ND	ug/kg	3.5	1	10/01/20 09:39	10/01/20 15:12	74-87-3	
2-Chlorotoluene	ND	ug/kg	3.5	1	10/01/20 09:39	10/01/20 15:12	95-49-8	
4-Chlorotoluene	ND	ug/kg	3.5	1	10/01/20 09:39	10/01/20 15:12	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/kg	6.9	1	10/01/20 09:39	10/01/20 15:12	96-12-8	
Dibromochloromethane	ND	ug/kg	3.5	1	10/01/20 09:39	10/01/20 15:12	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	3.5	1	10/01/20 09:39	10/01/20 15:12	106-93-4	
Dibromomethane	ND	ug/kg	3.5	1	10/01/20 09:39	10/01/20 15:12	74-95-3	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: PINE LAWN

Pace Project No.: 60349457

Sample: DPT-28-SO-(29-30) **Lab ID: 60349457004** Collected: 09/24/20 15:30 Received: 09/25/20 04:55 Matrix: Solid

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

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
8260 MSV 5035A VOA									
Analytical Method: EPA 8260B Preparation Method: EPA 5035A/5030									
Pace Analytical Services - Kansas City									
1,2-Dichlorobenzene	ND	ug/kg	3.5	1	10/01/20 09:39	10/01/20 15:12	95-50-1	SS	
1,3-Dichlorobenzene	ND	ug/kg	3.5	1	10/01/20 09:39	10/01/20 15:12	541-73-1		
1,4-Dichlorobenzene	ND	ug/kg	3.5	1	10/01/20 09:39	10/01/20 15:12	106-46-7		
Dichlorodifluoromethane	ND	ug/kg	3.5	1	10/01/20 09:39	10/01/20 15:12	75-71-8		
1,1-Dichloroethane	ND	ug/kg	3.5	1	10/01/20 09:39	10/01/20 15:12	75-34-3		
1,2-Dichloroethane	ND	ug/kg	3.5	1	10/01/20 09:39	10/01/20 15:12	107-06-2		
1,2-Dichloroethene (Total)	ND	ug/kg	3.5	1	10/01/20 09:39	10/01/20 15:12	540-59-0		
1,1-Dichloroethene	ND	ug/kg	3.5	1	10/01/20 09:39	10/01/20 15:12	75-35-4		
cis-1,2-Dichloroethene	ND	ug/kg	3.5	1	10/01/20 09:39	10/01/20 15:12	156-59-2		
trans-1,2-Dichloroethene	ND	ug/kg	3.5	1	10/01/20 09:39	10/01/20 15:12	156-60-5		
1,2-Dichloropropane	ND	ug/kg	3.5	1	10/01/20 09:39	10/01/20 15:12	78-87-5		
1,3-Dichloropropane	ND	ug/kg	3.5	1	10/01/20 09:39	10/01/20 15:12	142-28-9		
2,2-Dichloropropane	ND	ug/kg	3.5	1	10/01/20 09:39	10/01/20 15:12	594-20-7		
1,1-Dichloropropene	ND	ug/kg	3.5	1	10/01/20 09:39	10/01/20 15:12	563-58-6		
cis-1,3-Dichloropropene	ND	ug/kg	3.5	1	10/01/20 09:39	10/01/20 15:12	10061-01-5		
trans-1,3-Dichloropropene	ND	ug/kg	3.5	1	10/01/20 09:39	10/01/20 15:12	10061-02-6		
Ethylbenzene	ND	ug/kg	3.5	1	10/01/20 09:39	10/01/20 15:12	100-41-4		
Hexachloro-1,3-butadiene	ND	ug/kg	3.5	1	10/01/20 09:39	10/01/20 15:12	87-68-3		
2-Hexanone	ND	ug/kg	13.8	1	10/01/20 09:39	10/01/20 15:12	591-78-6		
Isopropylbenzene (Cumene)	ND	ug/kg	3.5	1	10/01/20 09:39	10/01/20 15:12	98-82-8		
p-Isopropyltoluene	ND	ug/kg	3.5	1	10/01/20 09:39	10/01/20 15:12	99-87-6		
Methylene Chloride	ND	ug/kg	3.5	1	10/01/20 09:39	10/01/20 15:12	75-09-2		
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	6.9	1	10/01/20 09:39	10/01/20 15:12	108-10-1		
Methyl-tert-butyl ether	ND	ug/kg	3.5	1	10/01/20 09:39	10/01/20 15:12	1634-04-4		
Naphthalene	ND	ug/kg	6.9	1	10/01/20 09:39	10/01/20 15:12	91-20-3		
n-Propylbenzene	ND	ug/kg	3.5	1	10/01/20 09:39	10/01/20 15:12	103-65-1		
Styrene	ND	ug/kg	3.5	1	10/01/20 09:39	10/01/20 15:12	100-42-5		
1,1,1,2-Tetrachloroethane	ND	ug/kg	3.5	1	10/01/20 09:39	10/01/20 15:12	630-20-6		
1,1,2,2-Tetrachloroethane	ND	ug/kg	3.5	1	10/01/20 09:39	10/01/20 15:12	79-34-5		
Tetrachloroethene	ND	ug/kg	3.5	1	10/01/20 09:39	10/01/20 15:12	127-18-4		
Toluene	ND	ug/kg	3.5	1	10/01/20 09:39	10/01/20 15:12	108-88-3		
1,2,3-Trichlorobenzene	ND	ug/kg	3.5	1	10/01/20 09:39	10/01/20 15:12	87-61-6		
1,2,4-Trichlorobenzene	ND	ug/kg	3.5	1	10/01/20 09:39	10/01/20 15:12	120-82-1		
1,1,1-Trichloroethane	ND	ug/kg	3.5	1	10/01/20 09:39	10/01/20 15:12	71-55-6		
1,1,2-Trichloroethane	ND	ug/kg	3.5	1	10/01/20 09:39	10/01/20 15:12	79-00-5		
Trichloroethene	ND	ug/kg	3.5	1	10/01/20 09:39	10/01/20 15:12	79-01-6		
Trichlorofluoromethane	ND	ug/kg	3.5	1	10/01/20 09:39	10/01/20 15:12	75-69-4		
1,2,3-Trichloropropane	ND	ug/kg	3.5	1	10/01/20 09:39	10/01/20 15:12	96-18-4		
1,2,4-Trimethylbenzene	ND	ug/kg	3.5	1	10/01/20 09:39	10/01/20 15:12	95-63-6		
1,3,5-Trimethylbenzene	ND	ug/kg	3.5	1	10/01/20 09:39	10/01/20 15:12	108-67-8		
Vinyl chloride	ND	ug/kg	3.5	1	10/01/20 09:39	10/01/20 15:12	75-01-4		
Xylene (Total)	ND	ug/kg	3.5	1	10/01/20 09:39	10/01/20 15:12	1330-20-7		
Surrogates									
Toluene-d8 (S)	100	%	80-120	1	10/01/20 09:39	10/01/20 15:12	2037-26-5		
4-Bromofluorobenzene (S)	97	%	85-115	1	10/01/20 09:39	10/01/20 15:12	460-00-4		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: PINE LAWN

Pace Project No.: 60349457

Sample: DPT-28-SO-(29-30) **Lab ID:** 60349457004 Collected: 09/24/20 15:30 Received: 09/25/20 04:55 Matrix: Solid

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

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035A VOA								
Analytical Method: EPA 8260B Preparation Method: EPA 5035A/5030								
Pace Analytical Services - Kansas City								
Surrogates								
1,2-Dichloroethane-d4 (S)	107	%	78-118	1	10/01/20 09:39	10/01/20 15:12	17060-07-0	
8260 MSV GRO and Oxygenates								
Analytical Method: EPA 8260 Preparation Method: EPA 5035								
Pace Analytical Services - Kansas City								
TPH-GRO	ND	mg/kg	0.35	1	10/01/20 09:39	10/01/20 15:12		
Surrogates								
Toluene-d8 (S)	100	%	78-122	1	10/01/20 09:39	10/01/20 15:12	2037-26-5	
4-Bromofluorobenzene (S)	97	%	69-133	1	10/01/20 09:39	10/01/20 15:12	460-00-4	
1,2-Dichloroethane-d4 (S)	107	%	80-123	1	10/01/20 09:39	10/01/20 15:12	17060-07-0	
Percent Moisture								
Analytical Method: ASTM D2974								
Pace Analytical Services - Kansas City								
Percent Moisture	16.7	%	0.50	1		09/29/20 14:18		

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ANALYTICAL RESULTS

Project: PINE LAWN

Pace Project No.: 60349457

Sample: DPT-29-SO-(0-2) **Lab ID:** 60349457005 **Collected:** 09/24/20 15:38 **Received:** 09/25/20 04:55 **Matrix:** Solid

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

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8082 GCS PCB SW								
Analytical Method: EPA 8082 Preparation Method: EPA 3546								
Pace Analytical Services - Kansas City								
PCB-1016 (Aroclor 1016)	ND	ug/kg	36.6	1	10/01/20 16:31	10/03/20 00:52	12674-11-2	
PCB-1221 (Aroclor 1221)	ND	ug/kg	36.6	1	10/01/20 16:31	10/03/20 00:52	11104-28-2	
PCB-1232 (Aroclor 1232)	ND	ug/kg	36.6	1	10/01/20 16:31	10/03/20 00:52	11141-16-5	
PCB-1242 (Aroclor 1242)	ND	ug/kg	36.6	1	10/01/20 16:31	10/03/20 00:52	53469-21-9	
PCB-1248 (Aroclor 1248)	ND	ug/kg	36.6	1	10/01/20 16:31	10/03/20 00:52	12672-29-6	
PCB-1254 (Aroclor 1254)	ND	ug/kg	36.6	1	10/01/20 16:31	10/03/20 00:52	11097-69-1	
PCB-1260 (Aroclor 1260)	ND	ug/kg	36.6	1	10/01/20 16:31	10/03/20 00:52	11096-82-5	
Surrogates								
Decachlorobiphenyl (S)	89	%	28-143	1	10/01/20 16:31	10/03/20 00:52	2051-24-3	
6010 MET ICP Red. Interference								
Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Pace Analytical Services - Kansas City								
Arsenic	10.1	mg/kg	1.1	1	10/05/20 14:38	10/07/20 11:01	7440-38-2	
Barium	217	mg/kg	0.55	1	10/05/20 14:38	10/07/20 11:01	7440-39-3	
Cadmium	1.6	mg/kg	0.55	1	10/05/20 14:38	10/07/20 11:01	7440-43-9	
Chromium	39.1	mg/kg	0.55	1	10/05/20 14:38	10/07/20 11:01	7440-47-3	
Lead	312	mg/kg	1.1	1	10/05/20 14:38	10/07/20 11:01	7439-92-1	
Selenium	ND	mg/kg	1.7	1	10/05/20 14:38	10/07/20 11:01	7782-49-2	
Silver	ND	mg/kg	0.77	1	10/05/20 14:38	10/07/20 11:01	7440-22-4	
7471 Mercury								
Analytical Method: EPA 7471 Preparation Method: EPA 7471								
Pace Analytical Services - Kansas City								
Mercury	1.1	mg/kg	0.24	5	10/05/20 10:25	10/06/20 11:35	7439-97-6	
8270 MSSV Semivolatiles								
Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Pace Analytical Services - Kansas City								
Acenaphthene	ND	ug/kg	1870	1	09/30/20 12:08	10/06/20 19:37	83-32-9	
Acenaphthylene	ND	ug/kg	1870	1	09/30/20 12:08	10/06/20 19:37	208-96-8	
Anthracene	ND	ug/kg	1870	1	09/30/20 12:08	10/06/20 19:37	120-12-7	
Benzo(a)anthracene	4180	ug/kg	1870	1	09/30/20 12:08	10/06/20 19:37	56-55-3	
Benzo(a)pyrene	4450	ug/kg	1870	1	09/30/20 12:08	10/06/20 19:37	50-32-8	
Benzo(b)fluoranthene	5830	ug/kg	1870	1	09/30/20 12:08	10/06/20 19:37	205-99-2	
Benzo(g,h,i)perylene	2930	ug/kg	1870	1	09/30/20 12:08	10/06/20 19:37	191-24-2	
Benzo(k)fluoranthene	2200	ug/kg	1870	1	09/30/20 12:08	10/06/20 19:37	207-08-9	
Benzoic Acid	ND	ug/kg	9480	1	09/30/20 12:08	10/06/20 19:37	65-85-0	
Benzyl alcohol	ND	ug/kg	3750	1	09/30/20 12:08	10/06/20 19:37	100-51-6	
4-Bromophenylphenyl ether	ND	ug/kg	1870	1	09/30/20 12:08	10/06/20 19:37	101-55-3	
Butylbenzylphthalate	ND	ug/kg	1870	1	09/30/20 12:08	10/06/20 19:37	85-68-7	
Carbazole	ND	ug/kg	1870	1	09/30/20 12:08	10/06/20 19:37	86-74-8	
4-Chloro-3-methylphenol	ND	ug/kg	3750	1	09/30/20 12:08	10/06/20 19:37	59-50-7	
4-Chloroaniline	ND	ug/kg	3750	1	09/30/20 12:08	10/06/20 19:37	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/kg	1870	1	09/30/20 12:08	10/06/20 19:37	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/kg	1870	1	09/30/20 12:08	10/06/20 19:37	111-44-4	
bis(2-Chloroisopropyl) ether	ND	ug/kg	1870	1	09/30/20 12:08	10/06/20 19:37	108-60-1	
2-Chloronaphthalene	ND	ug/kg	1870	1	09/30/20 12:08	10/06/20 19:37	91-58-7	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: PINE LAWN

Pace Project No.: 60349457

Sample: DPT-29-SO-(0-2) Lab ID: 60349457005 Collected: 09/24/20 15:38 Received: 09/25/20 04:55 Matrix: Solid

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

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Semivolatiles		Analytical Method: EPA 8270 Preparation Method: EPA 3546 Pace Analytical Services - Kansas City						
2-Chlorophenol	ND	ug/kg	1870	1	09/30/20 12:08	10/06/20 19:37	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/kg	1870	1	09/30/20 12:08	10/06/20 19:37	7005-72-3	
Chrysene	4680	ug/kg	1870	1	09/30/20 12:08	10/06/20 19:37	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	1870	1	09/30/20 12:08	10/06/20 19:37	53-70-3	
Dibenzofuran	ND	ug/kg	1870	1	09/30/20 12:08	10/06/20 19:37	132-64-9	
1,2-Dichlorobenzene	ND	ug/kg	1870	1	09/30/20 12:08	10/06/20 19:37	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	1870	1	09/30/20 12:08	10/06/20 19:37	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	1870	1	09/30/20 12:08	10/06/20 19:37	106-46-7	
3,3'-Dichlorobenzidine	ND	ug/kg	3750	1	09/30/20 12:08	10/06/20 19:37	91-94-1	
2,4-Dichlorophenol	ND	ug/kg	1870	1	09/30/20 12:08	10/06/20 19:37	120-83-2	
Diethylphthalate	ND	ug/kg	1870	1	09/30/20 12:08	10/06/20 19:37	84-66-2	
2,4-Dimethylphenol	ND	ug/kg	1870	1	09/30/20 12:08	10/06/20 19:37	105-67-9	
Dimethylphthalate	ND	ug/kg	1870	1	09/30/20 12:08	10/06/20 19:37	131-11-3	
Di-n-butylphthalate	ND	ug/kg	1870	1	09/30/20 12:08	10/06/20 19:37	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/kg	9480	1	09/30/20 12:08	10/06/20 19:37	534-52-1	
2,4-Dinitrophenol	ND	ug/kg	9480	1	09/30/20 12:08	10/06/20 19:37	51-28-5	
2,4-Dinitrotoluene	ND	ug/kg	1870	1	09/30/20 12:08	10/06/20 19:37	121-14-2	
2,6-Dinitrotoluene	ND	ug/kg	1870	1	09/30/20 12:08	10/06/20 19:37	606-20-2	
Di-n-octylphthalate	ND	ug/kg	1870	1	09/30/20 12:08	10/06/20 19:37	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/kg	1870	1	09/30/20 12:08	10/06/20 19:37	117-81-7	
Fluoranthene	8380	ug/kg	1870	1	09/30/20 12:08	10/06/20 19:37	206-44-0	
Fluorene	ND	ug/kg	1870	1	09/30/20 12:08	10/06/20 19:37	86-73-7	
Hexachloro-1,3-butadiene	ND	ug/kg	1870	1	09/30/20 12:08	10/06/20 19:37	87-68-3	
Hexachlorobenzene	ND	ug/kg	1870	1	09/30/20 12:08	10/06/20 19:37	118-74-1	
Hexachlorocyclopentadiene	ND	ug/kg	1870	1	09/30/20 12:08	10/06/20 19:37	77-47-4	
Hexachloroethane	ND	ug/kg	1870	1	09/30/20 12:08	10/06/20 19:37	67-72-1	
Indeno(1,2,3-cd)pyrene	2490	ug/kg	1870	1	09/30/20 12:08	10/06/20 19:37	193-39-5	
Isophorone	ND	ug/kg	1870	1	09/30/20 12:08	10/06/20 19:37	78-59-1	
2-Methylnaphthalene	ND	ug/kg	1870	1	09/30/20 12:08	10/06/20 19:37	91-57-6	
2-Methylphenol(o-Cresol)	ND	ug/kg	1870	1	09/30/20 12:08	10/06/20 19:37	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/kg	1870	1	09/30/20 12:08	10/06/20 19:37	15831-10-4	
Naphthalene	ND	ug/kg	1870	1	09/30/20 12:08	10/06/20 19:37	91-20-3	
2-Nitroaniline	ND	ug/kg	3750	1	09/30/20 12:08	10/06/20 19:37	88-74-4	
3-Nitroaniline	ND	ug/kg	3750	1	09/30/20 12:08	10/06/20 19:37	99-09-2	
4-Nitroaniline	ND	ug/kg	3750	1	09/30/20 12:08	10/06/20 19:37	100-01-6	
Nitrobenzene	ND	ug/kg	1870	1	09/30/20 12:08	10/06/20 19:37	98-95-3	
2-Nitrophenol	ND	ug/kg	1870	1	09/30/20 12:08	10/06/20 19:37	88-75-5	
4-Nitrophenol	ND	ug/kg	9480	1	09/30/20 12:08	10/06/20 19:37	100-02-7	
N-Nitroso-di-n-propylamine	ND	ug/kg	1870	1	09/30/20 12:08	10/06/20 19:37	621-64-7	
N-Nitrosodiphenylamine	ND	ug/kg	1870	1	09/30/20 12:08	10/06/20 19:37	86-30-6	
Pentachlorophenol	ND	ug/kg	9480	1	09/30/20 12:08	10/06/20 19:37	87-86-5	
Phenanthrene	3060	ug/kg	1870	1	09/30/20 12:08	10/06/20 19:37	85-01-8	
Phenol	ND	ug/kg	1870	1	09/30/20 12:08	10/06/20 19:37	108-95-2	
Pyrene	9350	ug/kg	1870	1	09/30/20 12:08	10/06/20 19:37	129-00-0	
Pyridine	ND	ug/kg	1870	1	09/30/20 12:08	10/06/20 19:37	110-86-1	

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ANALYTICAL RESULTS

Project: PINE LAWN

Pace Project No.: 60349457

Sample: DPT-29-SO-(0-2) Lab ID: 60349457005 Collected: 09/24/20 15:38 Received: 09/25/20 04:55 Matrix: Solid

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

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
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8270 MSSV Semivolatiles

Analytical Method: EPA 8270 Preparation Method: EPA 3546

Pace Analytical Services - Kansas City

1,2,4-Trichlorobenzene	ND	ug/kg	1870	1	09/30/20 12:08	10/06/20 19:37	120-82-1	
2,4,5-Trichlorophenol	ND	ug/kg	1870	1	09/30/20 12:08	10/06/20 19:37	95-95-4	
2,4,6-Trichlorophenol	ND	ug/kg	1870	1	09/30/20 12:08	10/06/20 19:37	88-06-2	
Surrogates								
Nitrobenzene-d5 (S)	63	%	33-132	1	09/30/20 12:08	10/06/20 19:37	4165-60-0	P3
2-Fluorobiphenyl (S)	79	%	39-136	1	09/30/20 12:08	10/06/20 19:37	321-60-8	
Terphenyl-d14 (S)	86	%	29-131	1	09/30/20 12:08	10/06/20 19:37	1718-51-0	
Phenol-d6 (S)	71	%	43-95	1	09/30/20 12:08	10/06/20 19:37	13127-88-3	
2-Fluorophenol (S)	71	%	43-96	1	09/30/20 12:08	10/06/20 19:37	367-12-4	
2,4,6-Tribromophenol (S)	68	%	41-108	1	09/30/20 12:08	10/06/20 19:37	118-79-6	

8270 MSSV DRO/ORO

Analytical Method: EPA 8270 Preparation Method: EPA 3546

Pace Analytical Services - Kansas City

TPH-ORO	ND	mg/kg	16.7	1	10/02/20 15:13	10/08/20 00:42		
TPH-DRO	ND	mg/kg	16.7	1	10/02/20 15:13	10/08/20 00:42		
Surrogates								
Nitrobenzene-d5 (S)	79	%	33-132	1	10/02/20 15:13	10/08/20 00:42	4165-60-0	
2-Fluorobiphenyl (S)	85	%	39-136	1	10/02/20 15:13	10/08/20 00:42	321-60-8	
Terphenyl-d14 (S)	93	%	29-131	1	10/02/20 15:13	10/08/20 00:42	1718-51-0	

8260 MSV 5035A VOA

Analytical Method: EPA 8260B Preparation Method: EPA 5035A/5030

Pace Analytical Services - Kansas City

Acetone	149	ug/kg	14.3	1	10/01/20 09:39	10/01/20 15:28	67-64-1	
Benzene	ND	ug/kg	3.6	1	10/01/20 09:39	10/01/20 15:28	71-43-2	
Bromobenzene	ND	ug/kg	3.6	1	10/01/20 09:39	10/01/20 15:28	108-86-1	
Bromochloromethane	ND	ug/kg	3.6	1	10/01/20 09:39	10/01/20 15:28	74-97-5	
Bromodichloromethane	ND	ug/kg	3.6	1	10/01/20 09:39	10/01/20 15:28	75-27-4	
Bromoform	ND	ug/kg	3.6	1	10/01/20 09:39	10/01/20 15:28	75-25-2	
Bromomethane	ND	ug/kg	3.6	1	10/01/20 09:39	10/01/20 15:28	74-83-9	
2-Butanone (MEK)	15.5	ug/kg	7.2	1	10/01/20 09:39	10/01/20 15:28	78-93-3	
n-Butylbenzene	ND	ug/kg	3.6	1	10/01/20 09:39	10/01/20 15:28	104-51-8	
sec-Butylbenzene	ND	ug/kg	3.6	1	10/01/20 09:39	10/01/20 15:28	135-98-8	
tert-Butylbenzene	ND	ug/kg	17.9	1	10/01/20 09:39	10/01/20 15:28	98-06-6	
Carbon disulfide	ND	ug/kg	3.6	1	10/01/20 09:39	10/01/20 15:28	75-15-0	
Carbon tetrachloride	ND	ug/kg	3.6	1	10/01/20 09:39	10/01/20 15:28	56-23-5	
Chlorobenzene	ND	ug/kg	3.6	1	10/01/20 09:39	10/01/20 15:28	108-90-7	
Chloroethane	ND	ug/kg	3.6	1	10/01/20 09:39	10/01/20 15:28	75-00-3	
Chloroform	ND	ug/kg	3.6	1	10/01/20 09:39	10/01/20 15:28	67-66-3	
Chloromethane	ND	ug/kg	3.6	1	10/01/20 09:39	10/01/20 15:28	74-87-3	
2-Chlorotoluene	ND	ug/kg	3.6	1	10/01/20 09:39	10/01/20 15:28	95-49-8	
4-Chlorotoluene	ND	ug/kg	3.6	1	10/01/20 09:39	10/01/20 15:28	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/kg	7.2	1	10/01/20 09:39	10/01/20 15:28	96-12-8	
Dibromochloromethane	ND	ug/kg	3.6	1	10/01/20 09:39	10/01/20 15:28	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	3.6	1	10/01/20 09:39	10/01/20 15:28	106-93-4	
Dibromomethane	ND	ug/kg	3.6	1	10/01/20 09:39	10/01/20 15:28	74-95-3	

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ANALYTICAL RESULTS

Project: PINE LAWN

Pace Project No.: 60349457

Sample: DPT-29-SO-(0-2) Lab ID: 60349457005 Collected: 09/24/20 15:38 Received: 09/25/20 04:55 Matrix: Solid

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

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035A VOA		Analytical Method: EPA 8260B Preparation Method: EPA 5035A/5030 Pace Analytical Services - Kansas City						
1,2-Dichlorobenzene	ND	ug/kg	3.6	1	10/01/20 09:39	10/01/20 15:28	95-50-1	SS
1,3-Dichlorobenzene	ND	ug/kg	3.6	1	10/01/20 09:39	10/01/20 15:28	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	3.6	1	10/01/20 09:39	10/01/20 15:28	106-46-7	
Dichlorodifluoromethane	ND	ug/kg	3.6	1	10/01/20 09:39	10/01/20 15:28	75-71-8	
1,1-Dichloroethane	ND	ug/kg	3.6	1	10/01/20 09:39	10/01/20 15:28	75-34-3	
1,2-Dichloroethane	ND	ug/kg	3.6	1	10/01/20 09:39	10/01/20 15:28	107-06-2	
1,2-Dichloroethene (Total)	ND	ug/kg	3.6	1	10/01/20 09:39	10/01/20 15:28	540-59-0	
1,1-Dichloroethene	ND	ug/kg	3.6	1	10/01/20 09:39	10/01/20 15:28	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	3.6	1	10/01/20 09:39	10/01/20 15:28	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	3.6	1	10/01/20 09:39	10/01/20 15:28	156-60-5	
1,2-Dichloropropane	ND	ug/kg	3.6	1	10/01/20 09:39	10/01/20 15:28	78-87-5	
1,3-Dichloropropane	ND	ug/kg	3.6	1	10/01/20 09:39	10/01/20 15:28	142-28-9	
2,2-Dichloropropane	ND	ug/kg	3.6	1	10/01/20 09:39	10/01/20 15:28	594-20-7	
1,1-Dichloropropene	ND	ug/kg	3.6	1	10/01/20 09:39	10/01/20 15:28	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	3.6	1	10/01/20 09:39	10/01/20 15:28	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	3.6	1	10/01/20 09:39	10/01/20 15:28	10061-02-6	
Ethylbenzene	4.3	ug/kg	3.6	1	10/01/20 09:39	10/01/20 15:28	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/kg	3.6	1	10/01/20 09:39	10/01/20 15:28	87-68-3	
2-Hexanone	ND	ug/kg	14.3	1	10/01/20 09:39	10/01/20 15:28	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/kg	3.6	1	10/01/20 09:39	10/01/20 15:28	98-82-8	
p-Isopropyltoluene	ND	ug/kg	3.6	1	10/01/20 09:39	10/01/20 15:28	99-87-6	
Methylene Chloride	ND	ug/kg	3.6	1	10/01/20 09:39	10/01/20 15:28	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	7.2	1	10/01/20 09:39	10/01/20 15:28	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	3.6	1	10/01/20 09:39	10/01/20 15:28	1634-04-4	
Naphthalene	ND	ug/kg	7.2	1	10/01/20 09:39	10/01/20 15:28	91-20-3	
n-Propylbenzene	ND	ug/kg	3.6	1	10/01/20 09:39	10/01/20 15:28	103-65-1	
Styrene	ND	ug/kg	3.6	1	10/01/20 09:39	10/01/20 15:28	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	3.6	1	10/01/20 09:39	10/01/20 15:28	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	3.6	1	10/01/20 09:39	10/01/20 15:28	79-34-5	
Tetrachloroethene	ND	ug/kg	3.6	1	10/01/20 09:39	10/01/20 15:28	127-18-4	
Toluene	ND	ug/kg	3.6	1	10/01/20 09:39	10/01/20 15:28	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	3.6	1	10/01/20 09:39	10/01/20 15:28	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	3.6	1	10/01/20 09:39	10/01/20 15:28	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	3.6	1	10/01/20 09:39	10/01/20 15:28	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	3.6	1	10/01/20 09:39	10/01/20 15:28	79-00-5	
Trichloroethene	ND	ug/kg	3.6	1	10/01/20 09:39	10/01/20 15:28	79-01-6	
Trichlorofluoromethane	ND	ug/kg	3.6	1	10/01/20 09:39	10/01/20 15:28	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	3.6	1	10/01/20 09:39	10/01/20 15:28	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/kg	3.6	1	10/01/20 09:39	10/01/20 15:28	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	3.6	1	10/01/20 09:39	10/01/20 15:28	108-67-8	
Vinyl chloride	ND	ug/kg	3.6	1	10/01/20 09:39	10/01/20 15:28	75-01-4	
Xylene (Total)	23.6	ug/kg	3.6	1	10/01/20 09:39	10/01/20 15:28	1330-20-7	
Surrogates								
Toluene-d8 (S)	102	%	80-120	1	10/01/20 09:39	10/01/20 15:28	2037-26-5	
4-Bromofluorobenzene (S)	98	%	85-115	1	10/01/20 09:39	10/01/20 15:28	460-00-4	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: PINE LAWN

Pace Project No.: 60349457

Sample: DPT-29-SO-(0-2) **Lab ID:** 60349457005 Collected: 09/24/20 15:38 Received: 09/25/20 04:55 Matrix: Solid

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

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035A VOA								
Analytical Method: EPA 8260B Preparation Method: EPA 5035A/5030								
Pace Analytical Services - Kansas City								
Surrogates								
1,2-Dichloroethane-d4 (S)	103	%	78-118	1	10/01/20 09:39	10/01/20 15:28	17060-07-0	
8260 MSV GRO and Oxygenates								
Analytical Method: EPA 8260 Preparation Method: EPA 5035								
Pace Analytical Services - Kansas City								
TPH-GRO	ND	mg/kg	0.36	1	10/01/20 09:39	10/01/20 15:28		
Surrogates								
Toluene-d8 (S)	102	%	78-122	1	10/01/20 09:39	10/01/20 15:28	2037-26-5	
4-Bromofluorobenzene (S)	98	%	69-133	1	10/01/20 09:39	10/01/20 15:28	460-00-4	
1,2-Dichloroethane-d4 (S)	103	%	80-123	1	10/01/20 09:39	10/01/20 15:28	17060-07-0	
Percent Moisture								
Analytical Method: ASTM D2974								
Pace Analytical Services - Kansas City								
Percent Moisture	13.1	%	0.50	1		09/29/20 14:18		

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ANALYTICAL RESULTS

Project: PINE LAWN

Pace Project No.: 60349457

Sample: DPT-29-SO-(29-30) Lab ID: 60349457006 Collected: 09/24/20 16:03 Received: 09/25/20 04:55 Matrix: Solid

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

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8082 GCS PCB SW								
Analytical Method: EPA 8082 Preparation Method: EPA 3546								
Pace Analytical Services - Kansas City								
PCB-1016 (Aroclor 1016)	ND	ug/kg	39.0	1	10/01/20 16:31	10/03/20 01:10	12674-11-2	
PCB-1221 (Aroclor 1221)	ND	ug/kg	39.0	1	10/01/20 16:31	10/03/20 01:10	11104-28-2	
PCB-1232 (Aroclor 1232)	ND	ug/kg	39.0	1	10/01/20 16:31	10/03/20 01:10	11141-16-5	
PCB-1242 (Aroclor 1242)	ND	ug/kg	39.0	1	10/01/20 16:31	10/03/20 01:10	53469-21-9	
PCB-1248 (Aroclor 1248)	ND	ug/kg	39.0	1	10/01/20 16:31	10/03/20 01:10	12672-29-6	
PCB-1254 (Aroclor 1254)	ND	ug/kg	39.0	1	10/01/20 16:31	10/03/20 01:10	11097-69-1	
PCB-1260 (Aroclor 1260)	ND	ug/kg	39.0	1	10/01/20 16:31	10/03/20 01:10	11096-82-5	
Surrogates								
Decachlorobiphenyl (S)	84	%	28-143	1	10/01/20 16:31	10/03/20 01:10	2051-24-3	
6010 MET ICP Red. Interference								
Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Pace Analytical Services - Kansas City								
Arsenic	4.1	mg/kg	0.98	1	10/05/20 14:38	10/07/20 11:03	7440-38-2	
Barium	158	mg/kg	0.49	1	10/05/20 14:38	10/07/20 11:03	7440-39-3	
Cadmium	ND	mg/kg	0.49	1	10/05/20 14:38	10/07/20 11:03	7440-43-9	
Chromium	23.8	mg/kg	0.49	1	10/05/20 14:38	10/07/20 11:03	7440-47-3	
Lead	12.8	mg/kg	0.98	1	10/05/20 14:38	10/07/20 11:03	7439-92-1	
Selenium	ND	mg/kg	1.5	1	10/05/20 14:38	10/07/20 11:03	7782-49-2	
Silver	ND	mg/kg	0.69	1	10/05/20 14:38	10/07/20 11:03	7440-22-4	
7471 Mercury								
Analytical Method: EPA 7471 Preparation Method: EPA 7471								
Pace Analytical Services - Kansas City								
Mercury	ND	mg/kg	0.051	1	10/05/20 10:25	10/06/20 11:38	7439-97-6	
8270 MSSV Semivolatiles								
Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Pace Analytical Services - Kansas City								
Acenaphthene	ND	ug/kg	394	1	09/30/20 12:08	10/06/20 19:59	83-32-9	
Acenaphthylene	ND	ug/kg	394	1	09/30/20 12:08	10/06/20 19:59	208-96-8	
Anthracene	ND	ug/kg	394	1	09/30/20 12:08	10/06/20 19:59	120-12-7	
Benzo(a)anthracene	ND	ug/kg	394	1	09/30/20 12:08	10/06/20 19:59	56-55-3	
Benzo(a)pyrene	ND	ug/kg	394	1	09/30/20 12:08	10/06/20 19:59	50-32-8	
Benzo(b)fluoranthene	ND	ug/kg	394	1	09/30/20 12:08	10/06/20 19:59	205-99-2	
Benzo(g,h,i)perylene	ND	ug/kg	394	1	09/30/20 12:08	10/06/20 19:59	191-24-2	
Benzo(k)fluoranthene	ND	ug/kg	394	1	09/30/20 12:08	10/06/20 19:59	207-08-9	
Benzoic Acid	ND	ug/kg	1990	1	09/30/20 12:08	10/06/20 19:59	65-85-0	
Benzyl alcohol	ND	ug/kg	787	1	09/30/20 12:08	10/06/20 19:59	100-51-6	
4-Bromophenylphenyl ether	ND	ug/kg	394	1	09/30/20 12:08	10/06/20 19:59	101-55-3	
Butylbenzylphthalate	ND	ug/kg	394	1	09/30/20 12:08	10/06/20 19:59	85-68-7	
Carbazole	ND	ug/kg	394	1	09/30/20 12:08	10/06/20 19:59	86-74-8	
4-Chloro-3-methylphenol	ND	ug/kg	787	1	09/30/20 12:08	10/06/20 19:59	59-50-7	
4-Chloroaniline	ND	ug/kg	787	1	09/30/20 12:08	10/06/20 19:59	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/kg	394	1	09/30/20 12:08	10/06/20 19:59	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/kg	394	1	09/30/20 12:08	10/06/20 19:59	111-44-4	
bis(2-Chloroisopropyl) ether	ND	ug/kg	394	1	09/30/20 12:08	10/06/20 19:59	108-60-1	
2-Chloronaphthalene	ND	ug/kg	394	1	09/30/20 12:08	10/06/20 19:59	91-58-7	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: PINE LAWN

Pace Project No.: 60349457

Sample: DPT-29-SO-(29-30) **Lab ID: 60349457006** Collected: 09/24/20 16:03 Received: 09/25/20 04:55 Matrix: Solid

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

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Semivolatiles		Analytical Method: EPA 8270 Preparation Method: EPA 3546						
		Pace Analytical Services - Kansas City						
2-Chlorophenol	ND	ug/kg	394	1	09/30/20 12:08	10/06/20 19:59	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/kg	394	1	09/30/20 12:08	10/06/20 19:59	7005-72-3	
Chrysene	ND	ug/kg	394	1	09/30/20 12:08	10/06/20 19:59	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	394	1	09/30/20 12:08	10/06/20 19:59	53-70-3	
Dibenzofuran	ND	ug/kg	394	1	09/30/20 12:08	10/06/20 19:59	132-64-9	
1,2-Dichlorobenzene	ND	ug/kg	394	1	09/30/20 12:08	10/06/20 19:59	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	394	1	09/30/20 12:08	10/06/20 19:59	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	394	1	09/30/20 12:08	10/06/20 19:59	106-46-7	
3,3'-Dichlorobenzidine	ND	ug/kg	787	1	09/30/20 12:08	10/06/20 19:59	91-94-1	
2,4-Dichlorophenol	ND	ug/kg	394	1	09/30/20 12:08	10/06/20 19:59	120-83-2	
Diethylphthalate	ND	ug/kg	394	1	09/30/20 12:08	10/06/20 19:59	84-66-2	
2,4-Dimethylphenol	ND	ug/kg	394	1	09/30/20 12:08	10/06/20 19:59	105-67-9	
Dimethylphthalate	ND	ug/kg	394	1	09/30/20 12:08	10/06/20 19:59	131-11-3	
Di-n-butylphthalate	ND	ug/kg	394	1	09/30/20 12:08	10/06/20 19:59	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/kg	1990	1	09/30/20 12:08	10/06/20 19:59	534-52-1	
2,4-Dinitrophenol	ND	ug/kg	1990	1	09/30/20 12:08	10/06/20 19:59	51-28-5	
2,4-Dinitrotoluene	ND	ug/kg	394	1	09/30/20 12:08	10/06/20 19:59	121-14-2	
2,6-Dinitrotoluene	ND	ug/kg	394	1	09/30/20 12:08	10/06/20 19:59	606-20-2	
Di-n-octylphthalate	ND	ug/kg	394	1	09/30/20 12:08	10/06/20 19:59	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/kg	394	1	09/30/20 12:08	10/06/20 19:59	117-81-7	
Fluoranthene	ND	ug/kg	394	1	09/30/20 12:08	10/06/20 19:59	206-44-0	
Fluorene	ND	ug/kg	394	1	09/30/20 12:08	10/06/20 19:59	86-73-7	
Hexachloro-1,3-butadiene	ND	ug/kg	394	1	09/30/20 12:08	10/06/20 19:59	87-68-3	
Hexachlorobenzene	ND	ug/kg	394	1	09/30/20 12:08	10/06/20 19:59	118-74-1	
Hexachlorocyclopentadiene	ND	ug/kg	394	1	09/30/20 12:08	10/06/20 19:59	77-47-4	
Hexachloroethane	ND	ug/kg	394	1	09/30/20 12:08	10/06/20 19:59	67-72-1	
Indeno(1,2,3-cd)pyrene	ND	ug/kg	394	1	09/30/20 12:08	10/06/20 19:59	193-39-5	
Isophorone	ND	ug/kg	394	1	09/30/20 12:08	10/06/20 19:59	78-59-1	
2-Methylnaphthalene	ND	ug/kg	394	1	09/30/20 12:08	10/06/20 19:59	91-57-6	
2-Methylphenol(o-Cresol)	ND	ug/kg	394	1	09/30/20 12:08	10/06/20 19:59	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/kg	394	1	09/30/20 12:08	10/06/20 19:59	15831-10-4	
Naphthalene	ND	ug/kg	394	1	09/30/20 12:08	10/06/20 19:59	91-20-3	
2-Nitroaniline	ND	ug/kg	787	1	09/30/20 12:08	10/06/20 19:59	88-74-4	
3-Nitroaniline	ND	ug/kg	787	1	09/30/20 12:08	10/06/20 19:59	99-09-2	
4-Nitroaniline	ND	ug/kg	787	1	09/30/20 12:08	10/06/20 19:59	100-01-6	
Nitrobenzene	ND	ug/kg	394	1	09/30/20 12:08	10/06/20 19:59	98-95-3	
2-Nitrophenol	ND	ug/kg	394	1	09/30/20 12:08	10/06/20 19:59	88-75-5	
4-Nitrophenol	ND	ug/kg	1990	1	09/30/20 12:08	10/06/20 19:59	100-02-7	
N-Nitroso-di-n-propylamine	ND	ug/kg	394	1	09/30/20 12:08	10/06/20 19:59	621-64-7	
N-Nitrosodiphenylamine	ND	ug/kg	394	1	09/30/20 12:08	10/06/20 19:59	86-30-6	
Pentachlorophenol	ND	ug/kg	1990	1	09/30/20 12:08	10/06/20 19:59	87-86-5	
Phenanthrene	ND	ug/kg	394	1	09/30/20 12:08	10/06/20 19:59	85-01-8	
Phenol	ND	ug/kg	394	1	09/30/20 12:08	10/06/20 19:59	108-95-2	
Pyrene	ND	ug/kg	394	1	09/30/20 12:08	10/06/20 19:59	129-00-0	
Pyridine	ND	ug/kg	394	1	09/30/20 12:08	10/06/20 19:59	110-86-1	

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ANALYTICAL RESULTS

Project: PINE LAWN

Pace Project No.: 60349457

Sample: DPT-29-SO-(29-30) Lab ID: 60349457006 Collected: 09/24/20 16:03 Received: 09/25/20 04:55 Matrix: Solid

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

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Semivolatiles								
Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Pace Analytical Services - Kansas City								
1,2,4-Trichlorobenzene	ND	ug/kg	394	1	09/30/20 12:08	10/06/20 19:59	120-82-1	
2,4,5-Trichlorophenol	ND	ug/kg	394	1	09/30/20 12:08	10/06/20 19:59	95-95-4	
2,4,6-Trichlorophenol	ND	ug/kg	394	1	09/30/20 12:08	10/06/20 19:59	88-06-2	
Surrogates								
Nitrobenzene-d5 (S)	69	%	33-132	1	09/30/20 12:08	10/06/20 19:59	4165-60-0	
2-Fluorobiphenyl (S)	77	%	39-136	1	09/30/20 12:08	10/06/20 19:59	321-60-8	
Terphenyl-d14 (S)	83	%	29-131	1	09/30/20 12:08	10/06/20 19:59	1718-51-0	
Phenol-d6 (S)	71	%	43-95	1	09/30/20 12:08	10/06/20 19:59	13127-88-3	
2-Fluorophenol (S)	72	%	43-96	1	09/30/20 12:08	10/06/20 19:59	367-12-4	
2,4,6-Tribromophenol (S)	76	%	41-108	1	09/30/20 12:08	10/06/20 19:59	118-79-6	
8270 MSSV DRO/ORO								
Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Pace Analytical Services - Kansas City								
TPH-ORO	ND	mg/kg	33.4	1	10/02/20 15:13	10/08/20 01:02		
TPH-DRO	ND	mg/kg	33.4	1	10/02/20 15:13	10/08/20 01:02		
Surrogates								
Nitrobenzene-d5 (S)	83	%	33-132	1	10/02/20 15:13	10/08/20 01:02	4165-60-0	
2-Fluorobiphenyl (S)	90	%	39-136	1	10/02/20 15:13	10/08/20 01:02	321-60-8	
Terphenyl-d14 (S)	98	%	29-131	1	10/02/20 15:13	10/08/20 01:02	1718-51-0	
8260 MSV 5035A VOA								
Analytical Method: EPA 8260B Preparation Method: EPA 5035A/5030								
Pace Analytical Services - Kansas City								
Acetone	ND	ug/kg	13.7	1	10/01/20 09:39	10/01/20 15:43	67-64-1	
Benzene	ND	ug/kg	3.4	1	10/01/20 09:39	10/01/20 15:43	71-43-2	
Bromobenzene	ND	ug/kg	3.4	1	10/01/20 09:39	10/01/20 15:43	108-86-1	
Bromochloromethane	ND	ug/kg	3.4	1	10/01/20 09:39	10/01/20 15:43	74-97-5	
Bromodichloromethane	ND	ug/kg	3.4	1	10/01/20 09:39	10/01/20 15:43	75-27-4	
Bromoform	ND	ug/kg	3.4	1	10/01/20 09:39	10/01/20 15:43	75-25-2	
Bromomethane	ND	ug/kg	3.4	1	10/01/20 09:39	10/01/20 15:43	74-83-9	
2-Butanone (MEK)	ND	ug/kg	6.9	1	10/01/20 09:39	10/01/20 15:43	78-93-3	
n-Butylbenzene	ND	ug/kg	3.4	1	10/01/20 09:39	10/01/20 15:43	104-51-8	
sec-Butylbenzene	ND	ug/kg	3.4	1	10/01/20 09:39	10/01/20 15:43	135-98-8	
tert-Butylbenzene	ND	ug/kg	17.1	1	10/01/20 09:39	10/01/20 15:43	98-06-6	
Carbon disulfide	ND	ug/kg	3.4	1	10/01/20 09:39	10/01/20 15:43	75-15-0	
Carbon tetrachloride	ND	ug/kg	3.4	1	10/01/20 09:39	10/01/20 15:43	56-23-5	
Chlorobenzene	ND	ug/kg	3.4	1	10/01/20 09:39	10/01/20 15:43	108-90-7	
Chloroethane	ND	ug/kg	3.4	1	10/01/20 09:39	10/01/20 15:43	75-00-3	
Chloroform	ND	ug/kg	3.4	1	10/01/20 09:39	10/01/20 15:43	67-66-3	
Chloromethane	ND	ug/kg	3.4	1	10/01/20 09:39	10/01/20 15:43	74-87-3	
2-Chlorotoluene	ND	ug/kg	3.4	1	10/01/20 09:39	10/01/20 15:43	95-49-8	
4-Chlorotoluene	ND	ug/kg	3.4	1	10/01/20 09:39	10/01/20 15:43	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/kg	6.9	1	10/01/20 09:39	10/01/20 15:43	96-12-8	
Dibromochloromethane	ND	ug/kg	3.4	1	10/01/20 09:39	10/01/20 15:43	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	3.4	1	10/01/20 09:39	10/01/20 15:43	106-93-4	
Dibromomethane	ND	ug/kg	3.4	1	10/01/20 09:39	10/01/20 15:43	74-95-3	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: PINE LAWN

Pace Project No.: 60349457

Sample: DPT-29-SO-(29-30) **Lab ID:** 60349457006 **Collected:** 09/24/20 16:03 **Received:** 09/25/20 04:55 **Matrix:** Solid

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

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035A VOA								
Analytical Method: EPA 8260B Preparation Method: EPA 5035A/5030								
Pace Analytical Services - Kansas City								
1,2-Dichlorobenzene	ND	ug/kg	3.4	1	10/01/20 09:39	10/01/20 15:43	95-50-1	SS
1,3-Dichlorobenzene	ND	ug/kg	3.4	1	10/01/20 09:39	10/01/20 15:43	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	3.4	1	10/01/20 09:39	10/01/20 15:43	106-46-7	
Dichlorodifluoromethane	ND	ug/kg	3.4	1	10/01/20 09:39	10/01/20 15:43	75-71-8	
1,1-Dichloroethane	ND	ug/kg	3.4	1	10/01/20 09:39	10/01/20 15:43	75-34-3	
1,2-Dichloroethane	ND	ug/kg	3.4	1	10/01/20 09:39	10/01/20 15:43	107-06-2	
1,2-Dichloroethene (Total)	ND	ug/kg	3.4	1	10/01/20 09:39	10/01/20 15:43	540-59-0	
1,1-Dichloroethene	ND	ug/kg	3.4	1	10/01/20 09:39	10/01/20 15:43	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	3.4	1	10/01/20 09:39	10/01/20 15:43	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	3.4	1	10/01/20 09:39	10/01/20 15:43	156-60-5	
1,2-Dichloropropane	ND	ug/kg	3.4	1	10/01/20 09:39	10/01/20 15:43	78-87-5	
1,3-Dichloropropane	ND	ug/kg	3.4	1	10/01/20 09:39	10/01/20 15:43	142-28-9	
2,2-Dichloropropane	ND	ug/kg	3.4	1	10/01/20 09:39	10/01/20 15:43	594-20-7	
1,1-Dichloropropene	ND	ug/kg	3.4	1	10/01/20 09:39	10/01/20 15:43	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	3.4	1	10/01/20 09:39	10/01/20 15:43	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	3.4	1	10/01/20 09:39	10/01/20 15:43	10061-02-6	
Ethylbenzene	ND	ug/kg	3.4	1	10/01/20 09:39	10/01/20 15:43	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/kg	3.4	1	10/01/20 09:39	10/01/20 15:43	87-68-3	
2-Hexanone	ND	ug/kg	13.7	1	10/01/20 09:39	10/01/20 15:43	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/kg	3.4	1	10/01/20 09:39	10/01/20 15:43	98-82-8	
p-Isopropyltoluene	ND	ug/kg	3.4	1	10/01/20 09:39	10/01/20 15:43	99-87-6	
Methylene Chloride	ND	ug/kg	3.4	1	10/01/20 09:39	10/01/20 15:43	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	6.9	1	10/01/20 09:39	10/01/20 15:43	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	3.4	1	10/01/20 09:39	10/01/20 15:43	1634-04-4	
Naphthalene	ND	ug/kg	6.9	1	10/01/20 09:39	10/01/20 15:43	91-20-3	
n-Propylbenzene	ND	ug/kg	3.4	1	10/01/20 09:39	10/01/20 15:43	103-65-1	
Styrene	ND	ug/kg	3.4	1	10/01/20 09:39	10/01/20 15:43	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	3.4	1	10/01/20 09:39	10/01/20 15:43	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	3.4	1	10/01/20 09:39	10/01/20 15:43	79-34-5	
Tetrachloroethene	ND	ug/kg	3.4	1	10/01/20 09:39	10/01/20 15:43	127-18-4	
Toluene	ND	ug/kg	3.4	1	10/01/20 09:39	10/01/20 15:43	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	3.4	1	10/01/20 09:39	10/01/20 15:43	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	3.4	1	10/01/20 09:39	10/01/20 15:43	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	3.4	1	10/01/20 09:39	10/01/20 15:43	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	3.4	1	10/01/20 09:39	10/01/20 15:43	79-00-5	
Trichloroethene	ND	ug/kg	3.4	1	10/01/20 09:39	10/01/20 15:43	79-01-6	
Trichlorofluoromethane	ND	ug/kg	3.4	1	10/01/20 09:39	10/01/20 15:43	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	3.4	1	10/01/20 09:39	10/01/20 15:43	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/kg	3.4	1	10/01/20 09:39	10/01/20 15:43	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	3.4	1	10/01/20 09:39	10/01/20 15:43	108-67-8	
Vinyl chloride	ND	ug/kg	3.4	1	10/01/20 09:39	10/01/20 15:43	75-01-4	
Xylene (Total)	ND	ug/kg	3.4	1	10/01/20 09:39	10/01/20 15:43	1330-20-7	
Surrogates								
Toluene-d8 (S)	101	%	80-120	1	10/01/20 09:39	10/01/20 15:43	2037-26-5	
4-Bromofluorobenzene (S)	97	%	85-115	1	10/01/20 09:39	10/01/20 15:43	460-00-4	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: PINE LAWN

Pace Project No.: 60349457

Sample: DPT-29-SO-(29-30) **Lab ID:** 60349457006 Collected: 09/24/20 16:03 Received: 09/25/20 04:55 Matrix: Solid

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

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035A VOA								
Analytical Method: EPA 8260B Preparation Method: EPA 5035A/5030								
Pace Analytical Services - Kansas City								
Surrogates								
1,2-Dichloroethane-d4 (S)	106	%	78-118	1	10/01/20 09:39	10/01/20 15:43	17060-07-0	
8260 MSV GRO and Oxygenates								
Analytical Method: EPA 8260 Preparation Method: EPA 5035								
Pace Analytical Services - Kansas City								
TPH-GRO	ND	mg/kg	0.34	1	10/01/20 09:39	10/01/20 15:43		
Surrogates								
Toluene-d8 (S)	101	%	78-122	1	10/01/20 09:39	10/01/20 15:43	2037-26-5	
4-Bromofluorobenzene (S)	97	%	69-133	1	10/01/20 09:39	10/01/20 15:43	460-00-4	
1,2-Dichloroethane-d4 (S)	106	%	80-123	1	10/01/20 09:39	10/01/20 15:43	17060-07-0	
Percent Moisture								
Analytical Method: ASTM D2974								
Pace Analytical Services - Kansas City								
Percent Moisture	17.6	%	0.50	1		09/29/20 14:18		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: PINE LAWN

Pace Project No.: 60349457

Sample: PINE LAWN-GW-TB8		Lab ID: 60349457007		Collected: 09/24/20 16:21		Received: 09/25/20 04:55		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
8260 MSV		Analytical Method: EPA 5030B/8260							
		Pace Analytical Services - Kansas City							
Acetone	ND	ug/L	10.0	1		09/29/20 05:01	67-64-1	L2	
Benzene	ND	ug/L	1.0	1		09/29/20 05:01	71-43-2		
Bromobenzene	ND	ug/L	1.0	1		09/29/20 05:01	108-86-1		
Bromochloromethane	ND	ug/L	1.0	1		09/29/20 05:01	74-97-5		
Bromodichloromethane	ND	ug/L	1.0	1		09/29/20 05:01	75-27-4		
Bromoform	ND	ug/L	1.0	1		09/29/20 05:01	75-25-2		
Bromomethane	ND	ug/L	5.0	1		09/29/20 05:01	74-83-9		
2-Butanone (MEK)	ND	ug/L	10.0	1		09/29/20 05:01	78-93-3		
n-Butylbenzene	ND	ug/L	1.0	1		09/29/20 05:01	104-51-8		
sec-Butylbenzene	ND	ug/L	1.0	1		09/29/20 05:01	135-98-8		
tert-Butylbenzene	ND	ug/L	1.0	1		09/29/20 05:01	98-06-6		
Carbon disulfide	ND	ug/L	5.0	1		09/29/20 05:01	75-15-0		
Carbon tetrachloride	ND	ug/L	1.0	1		09/29/20 05:01	56-23-5		
Chlorobenzene	ND	ug/L	1.0	1		09/29/20 05:01	108-90-7		
Chloroethane	ND	ug/L	1.0	1		09/29/20 05:01	75-00-3		
Chloroform	ND	ug/L	1.0	1		09/29/20 05:01	67-66-3		
Chloromethane	ND	ug/L	1.0	1		09/29/20 05:01	74-87-3		
2-Chlorotoluene	ND	ug/L	1.0	1		09/29/20 05:01	95-49-8		
4-Chlorotoluene	ND	ug/L	1.0	1		09/29/20 05:01	106-43-4		
1,2-Dibromo-3-chloropropane	ND	ug/L	2.5	1		09/29/20 05:01	96-12-8		
Dibromochloromethane	ND	ug/L	1.0	1		09/29/20 05:01	124-48-1		
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	1		09/29/20 05:01	106-93-4		
Dibromomethane	ND	ug/L	1.0	1		09/29/20 05:01	74-95-3		
1,2-Dichlorobenzene	ND	ug/L	1.0	1		09/29/20 05:01	95-50-1		
1,3-Dichlorobenzene	ND	ug/L	1.0	1		09/29/20 05:01	541-73-1		
1,4-Dichlorobenzene	ND	ug/L	1.0	1		09/29/20 05:01	106-46-7		
Dichlorodifluoromethane	ND	ug/L	1.0	1		09/29/20 05:01	75-71-8		
1,1-Dichloroethane	ND	ug/L	1.0	1		09/29/20 05:01	75-34-3		
1,2-Dichloroethane	ND	ug/L	1.0	1		09/29/20 05:01	107-06-2		
1,2-Dichloroethene (Total)	ND	ug/L	1.0	1		09/29/20 05:01	540-59-0		
1,1-Dichloroethene	ND	ug/L	1.0	1		09/29/20 05:01	75-35-4		
cis-1,2-Dichloroethene	ND	ug/L	1.0	1		09/29/20 05:01	156-59-2		
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		09/29/20 05:01	156-60-5		
1,2-Dichloropropane	ND	ug/L	1.0	1		09/29/20 05:01	78-87-5		
1,3-Dichloropropane	ND	ug/L	1.0	1		09/29/20 05:01	142-28-9		
2,2-Dichloropropane	ND	ug/L	1.0	1		09/29/20 05:01	594-20-7		
1,1-Dichloropropene	ND	ug/L	1.0	1		09/29/20 05:01	563-58-6		
cis-1,3-Dichloropropene	ND	ug/L	1.0	1		09/29/20 05:01	10061-01-5		
trans-1,3-Dichloropropene	ND	ug/L	1.0	1		09/29/20 05:01	10061-02-6		
Ethylbenzene	ND	ug/L	1.0	1		09/29/20 05:01	100-41-4		
Hexachloro-1,3-butadiene	ND	ug/L	1.0	1		09/29/20 05:01	87-68-3		
2-Hexanone	ND	ug/L	10.0	1		09/29/20 05:01	591-78-6		
Isopropylbenzene (Cumene)	ND	ug/L	1.0	1		09/29/20 05:01	98-82-8		
p-Isopropyltoluene	ND	ug/L	1.0	1		09/29/20 05:01	99-87-6		
Methylene Chloride	ND	ug/L	1.0	1		09/29/20 05:01	75-09-2		
4-Methyl-2-pentanone (MIBK)	ND	ug/L	10.0	1		09/29/20 05:01	108-10-1		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: PINE LAWN

Pace Project No.: 60349457

Sample: PINE LAWN-GW-TB8		Lab ID: 60349457007		Collected: 09/24/20 16:21		Received: 09/25/20 04:55		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
8260 MSV		Analytical Method: EPA 5030B/8260							
		Pace Analytical Services - Kansas City							
Methyl-tert-butyl ether	ND	ug/L	1.0	1		09/29/20 05:01	1634-04-4		
Naphthalene	ND	ug/L	10.0	1		09/29/20 05:01	91-20-3		
n-Propylbenzene	ND	ug/L	1.0	1		09/29/20 05:01	103-65-1		
Styrene	ND	ug/L	1.0	1		09/29/20 05:01	100-42-5		
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	1		09/29/20 05:01	630-20-6		
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	1		09/29/20 05:01	79-34-5		
Tetrachloroethene	ND	ug/L	1.0	1		09/29/20 05:01	127-18-4		
Toluene	ND	ug/L	1.0	1		09/29/20 05:01	108-88-3		
1,2,3-Trichlorobenzene	ND	ug/L	1.0	1		09/29/20 05:01	87-61-6		
1,2,4-Trichlorobenzene	ND	ug/L	1.0	1		09/29/20 05:01	120-82-1		
1,1,1-Trichloroethane	ND	ug/L	1.0	1		09/29/20 05:01	71-55-6		
1,1,2-Trichloroethane	ND	ug/L	1.0	1		09/29/20 05:01	79-00-5		
Trichloroethene	ND	ug/L	1.0	1		09/29/20 05:01	79-01-6		
Trichlorofluoromethane	ND	ug/L	1.0	1		09/29/20 05:01	75-69-4		
1,2,3-Trichloropropane	ND	ug/L	2.5	1		09/29/20 05:01	96-18-4		
1,2,4-Trimethylbenzene	ND	ug/L	1.0	1		09/29/20 05:01	95-63-6		
1,3,5-Trimethylbenzene	ND	ug/L	1.0	1		09/29/20 05:01	108-67-8		
Vinyl chloride	ND	ug/L	1.0	1		09/29/20 05:01	75-01-4		
Xylene (Total)	ND	ug/L	3.0	1		09/29/20 05:01	1330-20-7		
Surrogates									
4-Bromofluorobenzene (S)	101	%	80-120	1		09/29/20 05:01	460-00-4		
1,2-Dichloroethane-d4 (S)	99	%	86-117	1		09/29/20 05:01	17060-07-0		
Toluene-d8 (S)	100	%	80-120	1		09/29/20 05:01	2037-26-5		
Preservation pH	1.0		0.10	1		09/29/20 05:01			

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: PINE LAWN

Pace Project No.: 60349457

QC Batch: 680546

Analysis Method: EPA 7471

QC Batch Method: EPA 7471

Analysis Description: 7471 Mercury

Laboratory: Pace Analytical Services - Kansas City

Associated Lab Samples: 60349457001, 60349457002, 60349457003, 60349457004, 60349457005, 60349457006

METHOD BLANK: 2751127

Matrix: Solid

Associated Lab Samples: 60349457001, 60349457002, 60349457003, 60349457004, 60349457005, 60349457006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury	mg/kg	ND	0.050	10/06/20 10:43	

LABORATORY CONTROL SAMPLE: 2751128

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	mg/kg	0.5	0.53	105	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2751129 2751130

Parameter	Units	60349444001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	mg/kg	ND	0.49	0.49	0.51	0.57	104	117	75-125	11	20	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: PINE LAWN
Pace Project No.: 60349457

QC Batch: 680742 Analysis Method: EPA 6010
QC Batch Method: EPA 3050 Analysis Description: 6010 MET
Laboratory: Pace Analytical Services - Kansas City
Associated Lab Samples: 60349457001, 60349457002, 60349457003, 60349457004, 60349457005, 60349457006

METHOD BLANK: 2752177 Matrix: Solid
Associated Lab Samples: 60349457001, 60349457002, 60349457003, 60349457004, 60349457005, 60349457006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Arsenic	mg/kg	ND	1.0	10/07/20 09:51	
Barium	mg/kg	ND	0.50	10/07/20 09:51	
Cadmium	mg/kg	ND	0.50	10/07/20 09:51	
Chromium	mg/kg	ND	0.50	10/07/20 09:51	
Lead	mg/kg	ND	1.0	10/07/20 09:51	
Selenium	mg/kg	ND	1.5	10/07/20 09:51	
Silver	mg/kg	ND	0.70	10/07/20 09:51	

LABORATORY CONTROL SAMPLE: 2752178

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Arsenic	mg/kg	100	101	101	80-120	
Barium	mg/kg	100	102	102	80-120	
Cadmium	mg/kg	100	102	102	80-120	
Chromium	mg/kg	100	105	105	80-120	
Lead	mg/kg	100	106	106	80-120	
Selenium	mg/kg	100	101	101	80-120	
Silver	mg/kg	50	50.1	100	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2752179 2752180

Parameter	Units	60349444001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Arsenic	mg/kg	11.0	89	94.7	80.8	89.7	78	83	75-125	10	20	
Barium	mg/kg	168	89	94.7	283	274	130	113	75-125	3	20	M1
Cadmium	mg/kg	ND	89	94.7	73.2	81.0	82	85	75-125	10	20	
Chromium	mg/kg	26.0	89	94.7	104	116	88	95	75-125	10	20	
Lead	mg/kg	16.4	89	94.7	84.5	91.7	77	79	75-125	8	20	
Selenium	mg/kg	ND	89	94.7	70.5	77.8	79	82	75-125	10	20	
Silver	mg/kg	ND	44.5	47.3	38.6	42.5	86	89	75-125	10	20	

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

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: PINE LAWN

Pace Project No.: 60349457

QC Batch: 680121

Analysis Method: EPA 8260B

QC Batch Method: EPA 5035A/5030

Analysis Description: 8260 MSV 5035A Volatile Organics

Laboratory: Pace Analytical Services - Kansas City

Associated Lab Samples: 60349457001, 60349457002, 60349457003, 60349457004, 60349457005, 60349457006

METHOD BLANK: 2749543

Matrix: Solid

Associated Lab Samples: 60349457001, 60349457002, 60349457003, 60349457004, 60349457005, 60349457006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	ND	5.0	10/01/20 10:01	
1,1,1-Trichloroethane	ug/kg	ND	5.0	10/01/20 10:01	
1,1,2,2-Tetrachloroethane	ug/kg	ND	5.0	10/01/20 10:01	
1,1,2-Trichloroethane	ug/kg	ND	5.0	10/01/20 10:01	
1,1-Dichloroethane	ug/kg	ND	5.0	10/01/20 10:01	
1,1-Dichloroethene	ug/kg	ND	5.0	10/01/20 10:01	
1,1-Dichloropropene	ug/kg	ND	5.0	10/01/20 10:01	
1,2,3-Trichlorobenzene	ug/kg	ND	5.0	10/01/20 10:01	
1,2,3-Trichloropropane	ug/kg	ND	5.0	10/01/20 10:01	
1,2,4-Trichlorobenzene	ug/kg	ND	5.0	10/01/20 10:01	
1,2,4-Trimethylbenzene	ug/kg	ND	5.0	10/01/20 10:01	
1,2-Dibromo-3-chloropropane	ug/kg	ND	10.0	10/01/20 10:01	
1,2-Dibromoethane (EDB)	ug/kg	ND	5.0	10/01/20 10:01	
1,2-Dichlorobenzene	ug/kg	ND	5.0	10/01/20 10:01	
1,2-Dichloroethane	ug/kg	ND	5.0	10/01/20 10:01	
1,2-Dichloroethene (Total)	ug/kg	ND	5.0	10/01/20 10:01	
1,2-Dichloropropane	ug/kg	ND	5.0	10/01/20 10:01	
1,3,5-Trimethylbenzene	ug/kg	ND	5.0	10/01/20 10:01	
1,3-Dichlorobenzene	ug/kg	ND	5.0	10/01/20 10:01	
1,3-Dichloropropane	ug/kg	ND	5.0	10/01/20 10:01	
1,4-Dichlorobenzene	ug/kg	ND	5.0	10/01/20 10:01	
2,2-Dichloropropane	ug/kg	ND	5.0	10/01/20 10:01	
2-Butanone (MEK)	ug/kg	ND	10.0	10/01/20 10:01	
2-Chlorotoluene	ug/kg	ND	5.0	10/01/20 10:01	
2-Hexanone	ug/kg	ND	20.0	10/01/20 10:01	
4-Chlorotoluene	ug/kg	ND	5.0	10/01/20 10:01	
4-Methyl-2-pentanone (MIBK)	ug/kg	ND	10.0	10/01/20 10:01	
Acetone	ug/kg	ND	20.0	10/01/20 10:01	
Benzene	ug/kg	ND	5.0	10/01/20 10:01	
Bromobenzene	ug/kg	ND	5.0	10/01/20 10:01	
Bromochloromethane	ug/kg	ND	5.0	10/01/20 10:01	
Bromodichloromethane	ug/kg	ND	5.0	10/01/20 10:01	
Bromoform	ug/kg	ND	5.0	10/01/20 10:01	
Bromomethane	ug/kg	ND	5.0	10/01/20 10:01	
Carbon disulfide	ug/kg	ND	5.0	10/01/20 10:01	
Carbon tetrachloride	ug/kg	ND	5.0	10/01/20 10:01	
Chlorobenzene	ug/kg	ND	5.0	10/01/20 10:01	
Chloroethane	ug/kg	ND	5.0	10/01/20 10:01	
Chloroform	ug/kg	ND	5.0	10/01/20 10:01	
Chloromethane	ug/kg	ND	5.0	10/01/20 10:01	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: PINE LAWN

Pace Project No.: 60349457

METHOD BLANK: 2749543

Matrix: Solid

Associated Lab Samples: 60349457001, 60349457002, 60349457003, 60349457004, 60349457005, 60349457006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
cis-1,2-Dichloroethene	ug/kg	ND	5.0	10/01/20 10:01	
cis-1,3-Dichloropropene	ug/kg	ND	5.0	10/01/20 10:01	
Dibromochloromethane	ug/kg	ND	5.0	10/01/20 10:01	
Dibromomethane	ug/kg	ND	5.0	10/01/20 10:01	
Dichlorodifluoromethane	ug/kg	ND	5.0	10/01/20 10:01	
Ethylbenzene	ug/kg	ND	5.0	10/01/20 10:01	
Hexachloro-1,3-butadiene	ug/kg	ND	5.0	10/01/20 10:01	
Isopropylbenzene (Cumene)	ug/kg	ND	5.0	10/01/20 10:01	
Methyl-tert-butyl ether	ug/kg	ND	5.0	10/01/20 10:01	
Methylene Chloride	ug/kg	ND	5.0	10/01/20 10:01	
n-Butylbenzene	ug/kg	ND	5.0	10/01/20 10:01	
n-Propylbenzene	ug/kg	ND	5.0	10/01/20 10:01	
Naphthalene	ug/kg	ND	10.0	10/01/20 10:01	
p-Isopropyltoluene	ug/kg	ND	5.0	10/01/20 10:01	
sec-Butylbenzene	ug/kg	ND	5.0	10/01/20 10:01	
Styrene	ug/kg	ND	5.0	10/01/20 10:01	
tert-Butylbenzene	ug/kg	ND	25.0	10/01/20 10:01	
Tetrachloroethene	ug/kg	ND	5.0	10/01/20 10:01	
Toluene	ug/kg	ND	5.0	10/01/20 10:01	
trans-1,2-Dichloroethene	ug/kg	ND	5.0	10/01/20 10:01	
trans-1,3-Dichloropropene	ug/kg	ND	5.0	10/01/20 10:01	
Trichloroethene	ug/kg	ND	5.0	10/01/20 10:01	
Trichlorofluoromethane	ug/kg	ND	5.0	10/01/20 10:01	
Vinyl chloride	ug/kg	ND	5.0	10/01/20 10:01	
Xylene (Total)	ug/kg	ND	5.0	10/01/20 10:01	
1,2-Dichloroethane-d4 (S)	%	96	78-118	10/01/20 10:01	
4-Bromofluorobenzene (S)	%	97	85-115	10/01/20 10:01	
Toluene-d8 (S)	%	102	80-120	10/01/20 10:01	

LABORATORY CONTROL SAMPLE: 2749544

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	100	101	101	84-125	
1,1,1-Trichloroethane	ug/kg	100	96.2	96	81-121	
1,1,2,2-Tetrachloroethane	ug/kg	100	89.5	90	76-121	
1,1,2-Trichloroethane	ug/kg	100	96.5	96	83-118	
1,1-Dichloroethane	ug/kg	100	101	101	74-120	
1,1-Dichloroethene	ug/kg	100	92.9	93	71-124	
1,1-Dichloropropene	ug/kg	100	84.0	84	73-123	
1,2,3-Trichlorobenzene	ug/kg	100	100	100	81-123	
1,2,3-Trichloropropane	ug/kg	100	94.4	94	81-116	
1,2,4-Trichlorobenzene	ug/kg	100	101	101	79-126	
1,2,4-Trimethylbenzene	ug/kg	100	97.0	97	79-121	
1,2-Dibromo-3-chloropropane	ug/kg	100	91.5	92	74-125	

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QUALITY CONTROL DATA

Project: PINE LAWN

Pace Project No.: 60349457

LABORATORY CONTROL SAMPLE: 2749544

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dibromoethane (EDB)	ug/kg	100	98.6	99	64-137	
1,2-Dichlorobenzene	ug/kg	100	97.5	97	83-119	
1,2-Dichloroethane	ug/kg	100	86.8	87	58-128	
1,2-Dichloroethene (Total)	ug/kg	200	191	95	82-117	
1,2-Dichloropropane	ug/kg	100	91.8	92	77-122	
1,3,5-Trimethylbenzene	ug/kg	100	98.4	98	81-122	
1,3-Dichlorobenzene	ug/kg	100	98.7	99	83-119	
1,3-Dichloropropane	ug/kg	100	94.7	95	83-118	
1,4-Dichlorobenzene	ug/kg	100	92.1	92	83-116	
2,2-Dichloropropane	ug/kg	100	95.8	96	76-124	
2-Butanone (MEK)	ug/kg	500	423	85	63-122	
2-Chlorotoluene	ug/kg	100	95.2	95	79-119	
2-Hexanone	ug/kg	500	443	89	68-122	
4-Chlorotoluene	ug/kg	100	97.3	97	84-119	
4-Methyl-2-pentanone (MIBK)	ug/kg	500	439	88	63-128	
Acetone	ug/kg	500	404	81	55-124	
Benzene	ug/kg	100	90.3	90	67-126	
Bromobenzene	ug/kg	100	97.6	98	85-117	
Bromochloromethane	ug/kg	100	97.8	98	78-122	
Bromodichloromethane	ug/kg	100	96.7	97	82-120	
Bromoform	ug/kg	100	107	107	77-133	
Bromomethane	ug/kg	100	70.6	71	20-168	
Carbon disulfide	ug/kg	100	100	100	60-133	
Carbon tetrachloride	ug/kg	100	104	104	79-128	
Chlorobenzene	ug/kg	100	98.4	98	84-118	
Chloroethane	ug/kg	100	74.9	75	53-139	
Chloroform	ug/kg	100	94.7	95	82-120	
Chloromethane	ug/kg	100	44.0	44	33-143	
cis-1,2-Dichloroethene	ug/kg	100	95.2	95	83-117	
cis-1,3-Dichloropropene	ug/kg	100	94.2	94	80-122	
Dibromochloromethane	ug/kg	100	107	107	82-128	
Dibromomethane	ug/kg	100	93.7	94	82-119	
Dichlorodifluoromethane	ug/kg	100	22.4	22	12-159	
Ethylbenzene	ug/kg	100	97.1	97	69-127	
Hexachloro-1,3-butadiene	ug/kg	100	103	103	77-133	
Isopropylbenzene (Cumene)	ug/kg	100	96.3	96	83-122	
Methyl-tert-butyl ether	ug/kg	100	89.4	89	58-137	
Methylene Chloride	ug/kg	100	88.8	89	68-125	
n-Butylbenzene	ug/kg	100	105	105	73-131	
n-Propylbenzene	ug/kg	100	99.2	99	82-122	
Naphthalene	ug/kg	100	102	102	60-136	
p-Isopropyltoluene	ug/kg	100	91.1	91	74-129	
sec-Butylbenzene	ug/kg	100	107	107	71-133	
Styrene	ug/kg	100	101	101	84-121	
tert-Butylbenzene	ug/kg	100	98.5	98	81-122	
Tetrachloroethene	ug/kg	100	105	105	78-130	
Toluene	ug/kg	100	95.6	96	80-118	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: PINE LAWN

Pace Project No.: 60349457

LABORATORY CONTROL SAMPLE: 2749544

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
trans-1,2-Dichloroethene	ug/kg	100	95.6	96	78-118	
trans-1,3-Dichloropropene	ug/kg	100	100	100	81-123	
Trichloroethene	ug/kg	100	98.3	98	78-127	
Trichlorofluoromethane	ug/kg	100	89.8	90	64-133	
Vinyl chloride	ug/kg	100	57.6	58	45-139	
Xylene (Total)	ug/kg	300	290	97	69-130	
1,2-Dichloroethane-d4 (S)	%			94	78-118	
4-Bromofluorobenzene (S)	%			96	85-115	
Toluene-d8 (S)	%			102	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2749545 2749546

Parameter	Units	60349800003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,1,1,2-Tetrachloroethane	ug/kg	ND	124	125	101	97.8	81	78	13-133	3	39	
1,1,1-Trichloroethane	ug/kg	ND	124	125	95.0	98.2	76	79	30-131	3	28	
1,1,2,2-Tetrachloroethane	ug/kg	ND	124	125	90.5	88.0	73	70	10-139	3	49	
1,1,2-Trichloroethane	ug/kg	ND	124	125	100	94.2	81	75	10-145	6	41	
1,1-Dichloroethane	ug/kg	ND	124	125	97.9	102	78	81	24-125	4	31	
1,1-Dichloroethene	ug/kg	ND	124	125	80.8	83.9	65	67	34-118	4	30	
1,1-Dichloropropene	ug/kg	ND	124	125	86.6	89.6	70	72	29-116	3	30	
1,2,3-Trichlorobenzene	ug/kg	ND	124	125	73.7	70.3	59	56	10-115	5	40	
1,2,3-Trichloropropane	ug/kg	ND	124	125	94.9	91.1	76	73	10-150	4	46	
1,2,4-Trichlorobenzene	ug/kg	ND	124	125	76.9	72.6	62	58	10-115	6	44	
1,2,4-Trimethylbenzene	ug/kg	ND	124	125	90.5	87.4	73	70	10-123	3	37	
1,2-Dibromo-3-chloropropane	ug/kg	ND	124	125	87.4	84.6	70	68	10-136	3	42	
1,2-Dibromoethane (EDB)	ug/kg	ND	124	125	101	96.6	81	77	24-149	4	29	
1,2-Dichlorobenzene	ug/kg	ND	124	125	86.2	80.9	69	65	10-123	6	41	
1,2-Dichloroethane	ug/kg	ND	124	125	88.1	84.7	71	68	23-140	4	29	
1,2-Dichloroethene (Total)	ug/kg	ND	248	250	188	187	76	75	30-119	0	32	
1,2-Dichloropropane	ug/kg	ND	124	125	93.6	89.9	75	72	13-132	4	33	
1,3,5-Trimethylbenzene	ug/kg	ND	124	125	92.4	90.9	74	73	10-124	2	40	
1,3-Dichlorobenzene	ug/kg	ND	124	125	89.0	84.0	72	67	10-122	6	42	
1,3-Dichloropropane	ug/kg	ND	124	125	96.9	93.0	78	74	10-135	4	36	
1,4-Dichlorobenzene	ug/kg	ND	124	125	85.1	79.8	68	64	10-120	6	38	
2,2-Dichloropropane	ug/kg	ND	124	125	92.1	94.7	74	76	22-135	3	31	
2-Butanone (MEK)	ug/kg	ND	622	625	435	427	70	68	12-127	2	37	
2-Chlorotoluene	ug/kg	ND	124	125	90.7	87.5	73	70	10-126	4	38	
2-Hexanone	ug/kg	ND	622	625	456	442	73	71	10-135	3	37	
4-Chlorotoluene	ug/kg	ND	124	125	91.5	88.5	74	71	10-129	3	40	
4-Methyl-2-pentanone (MIBK)	ug/kg	ND	622	625	448	434	72	69	10-129	3	36	
Acetone	ug/kg	ND	622	625	415	401	65	63	10-143	3	34	
Benzene	ug/kg	ND	124	125	90.5	90.0	73	72	37-135	1	24	
Bromobenzene	ug/kg	ND	124	125	95.4	89.8	77	72	10-134	6	45	

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QUALITY CONTROL DATA

Project: PINE LAWN

Pace Project No.: 60349457

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2749545 2749546											
Parameter	Units	60349800003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	Max RPD	Qual
Bromochloromethane	ug/kg	ND	124	125	100	95.8	81	77	17-129	5	34
Bromodichloromethane	ug/kg	ND	124	125	99.0	95.2	80	76	12-130	4	33
Bromoform	ug/kg	ND	124	125	104	99.2	84	79	10-135	5	39
Bromomethane	ug/kg	ND	124	125	61.6	59.6	49	47	10-124	3	41
Carbon disulfide	ug/kg	ND	124	125	75.1	77.3	60	62	17-116	3	28
Carbon tetrachloride	ug/kg	ND	124	125	98.8	103	79	83	29-127	5	35
Chlorobenzene	ug/kg	ND	124	125	96.8	95.0	78	76	10-133	2	33
Chloroethane	ug/kg	ND	124	125	62.4	62.9	50	50	25-116	1	33
Chloroform	ug/kg	ND	124	125	96.5	95.3	78	76	20-130	1	30
Chloromethane	ug/kg	ND	124	125	32.2	32.0	26	26	10-113	0	31
cis-1,2-Dichloroethene	ug/kg	ND	124	125	95.2	93.7	76	75	22-126	2	31
cis-1,3-Dichloropropene	ug/kg	ND	124	125	95.5	91.5	77	73	10-125	4	34
Dibromochloromethane	ug/kg	ND	124	125	105	101	84	81	10-138	4	38
Dibromomethane	ug/kg	ND	124	125	98.1	92.8	79	74	13-129	6	38
Dichlorodifluoromethane	ug/kg	ND	124	125	16.1	16.2	13	13	10-114	1	33
Ethylbenzene	ug/kg	ND	124	125	96.1	97.4	77	78	31-142	1	25
Hexachloro-1,3-butadiene	ug/kg	ND	124	125	85.4	85.9	69	69	10-124	1	41
Isopropylbenzene (Cumene)	ug/kg	ND	124	125	96.0	97.6	77	78	17-120	2	34
Methyl-tert-butyl ether	ug/kg	ND	124	125	91.4	86.2	73	69	30-143	6	28
Methylene Chloride	ug/kg	ND	124	125	89.7	85.0	69	65	24-121	5	33
n-Butylbenzene	ug/kg	ND	124	125	91.6	92.2	74	74	10-121	1	36
n-Propylbenzene	ug/kg	ND	124	125	94.3	94.7	76	76	12-125	0	37
Naphthalene	ug/kg	ND	124	125	80.6	78.1	64	62	10-156	3	34
p-Isopropyltoluene	ug/kg	ND	124	125	88.4	87.5	71	70	10-119	1	37
sec-Butylbenzene	ug/kg	ND	124	125	96.8	97.9	78	78	10-127	1	40
Styrene	ug/kg	ND	124	125	95.4	91.0	77	73	10-124	5	37
tert-Butylbenzene	ug/kg	ND	124	125	95.2	94.4	77	76	10-126	1	37
Tetrachloroethene	ug/kg	ND	124	125	104	106	83	85	15-133	2	36
Toluene	ug/kg	ND	124	125	95.8	97.0	77	78	40-137	1	25
trans-1,2-Dichloroethene	ug/kg	ND	124	125	92.8	93.7	75	75	22-129	1	34
trans-1,3-Dichloropropene	ug/kg	ND	124	125	99.8	96.0	80	77	10-130	4	35
Trichloroethene	ug/kg	ND	124	125	98.7	99.7	79	80	19-135	1	34
Trichlorofluoromethane	ug/kg	ND	124	125	74.2	77.8	60	62	16-132	5	28
Vinyl chloride	ug/kg	ND	124	125	42.8	44.0	34	35	14-116	3	28
Xylene (Total)	ug/kg	ND	374	375	285	284	76	76	19-153	1	27
1,2-Dichloroethane-d4 (S)	%						98	99	78-118		
4-Bromofluorobenzene (S)	%						97	96	85-115		
Toluene-d8 (S)	%						103	103	80-120		

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QUALITY CONTROL DATA

Project: PINE LAWN

Pace Project No.: 60349457

QC Batch: 679382

Analysis Method: EPA 5030B/8260

QC Batch Method: EPA 5030B/8260

Analysis Description: 8260 MSV Water 10 mL Purge

Laboratory: Pace Analytical Services - Kansas City

Associated Lab Samples: 60349457007

METHOD BLANK: 2747154

Matrix: Water

Associated Lab Samples: 60349457007

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	1.0	09/29/20 03:31	
1,1,1-Trichloroethane	ug/L	ND	1.0	09/29/20 03:31	
1,1,2,2-Tetrachloroethane	ug/L	ND	1.0	09/29/20 03:31	
1,1,2-Trichloroethane	ug/L	ND	1.0	09/29/20 03:31	
1,1-Dichloroethane	ug/L	ND	1.0	09/29/20 03:31	
1,1-Dichloroethene	ug/L	ND	1.0	09/29/20 03:31	
1,1-Dichloropropene	ug/L	ND	1.0	09/29/20 03:31	
1,2,3-Trichlorobenzene	ug/L	ND	1.0	09/29/20 03:31	
1,2,3-Trichloropropane	ug/L	ND	2.5	09/29/20 03:31	
1,2,4-Trichlorobenzene	ug/L	ND	1.0	09/29/20 03:31	
1,2,4-Trimethylbenzene	ug/L	ND	1.0	09/29/20 03:31	
1,2-Dibromo-3-chloropropane	ug/L	ND	2.5	09/29/20 03:31	
1,2-Dibromoethane (EDB)	ug/L	ND	1.0	09/29/20 03:31	
1,2-Dichlorobenzene	ug/L	ND	1.0	09/29/20 03:31	
1,2-Dichloroethane	ug/L	ND	1.0	09/29/20 03:31	
1,2-Dichloroethene (Total)	ug/L	ND	1.0	09/29/20 03:31	
1,2-Dichloropropane	ug/L	ND	1.0	09/29/20 03:31	
1,3,5-Trimethylbenzene	ug/L	ND	1.0	09/29/20 03:31	
1,3-Dichlorobenzene	ug/L	ND	1.0	09/29/20 03:31	
1,3-Dichloropropane	ug/L	ND	1.0	09/29/20 03:31	
1,4-Dichlorobenzene	ug/L	ND	1.0	09/29/20 03:31	
2,2-Dichloropropane	ug/L	ND	1.0	09/29/20 03:31	
2-Butanone (MEK)	ug/L	ND	10.0	09/29/20 03:31	
2-Chlorotoluene	ug/L	ND	1.0	09/29/20 03:31	
2-Hexanone	ug/L	ND	10.0	09/29/20 03:31	
4-Chlorotoluene	ug/L	ND	1.0	09/29/20 03:31	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	10.0	09/29/20 03:31	
Acetone	ug/L	ND	10.0	09/29/20 03:31	
Benzene	ug/L	ND	1.0	09/29/20 03:31	
Bromobenzene	ug/L	ND	1.0	09/29/20 03:31	
Bromochloromethane	ug/L	ND	1.0	09/29/20 03:31	
Bromodichloromethane	ug/L	ND	1.0	09/29/20 03:31	
Bromoform	ug/L	ND	1.0	09/29/20 03:31	
Bromomethane	ug/L	ND	5.0	09/29/20 03:31	
Carbon disulfide	ug/L	ND	5.0	09/29/20 03:31	
Carbon tetrachloride	ug/L	ND	1.0	09/29/20 03:31	
Chlorobenzene	ug/L	ND	1.0	09/29/20 03:31	
Chloroethane	ug/L	ND	1.0	09/29/20 03:31	
Chloroform	ug/L	ND	1.0	09/29/20 03:31	
Chloromethane	ug/L	ND	1.0	09/29/20 03:31	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: PINE LAWN

Pace Project No.: 60349457

METHOD BLANK: 2747154

Matrix: Water

Associated Lab Samples: 60349457007

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
cis-1,2-Dichloroethene	ug/L	ND	1.0	09/29/20 03:31	
cis-1,3-Dichloropropene	ug/L	ND	1.0	09/29/20 03:31	
Dibromochloromethane	ug/L	ND	1.0	09/29/20 03:31	
Dibromomethane	ug/L	ND	1.0	09/29/20 03:31	
Dichlorodifluoromethane	ug/L	ND	1.0	09/29/20 03:31	
Ethylbenzene	ug/L	ND	1.0	09/29/20 03:31	
Hexachloro-1,3-butadiene	ug/L	ND	1.0	09/29/20 03:31	
Isopropylbenzene (Cumene)	ug/L	ND	1.0	09/29/20 03:31	
Methyl-tert-butyl ether	ug/L	ND	1.0	09/29/20 03:31	
Methylene Chloride	ug/L	ND	1.0	09/29/20 03:31	
n-Butylbenzene	ug/L	ND	1.0	09/29/20 03:31	
n-Propylbenzene	ug/L	ND	1.0	09/29/20 03:31	
Naphthalene	ug/L	ND	10.0	09/29/20 03:31	
p-Isopropyltoluene	ug/L	ND	1.0	09/29/20 03:31	
sec-Butylbenzene	ug/L	ND	1.0	09/29/20 03:31	
Styrene	ug/L	ND	1.0	09/29/20 03:31	
tert-Butylbenzene	ug/L	ND	1.0	09/29/20 03:31	
Tetrachloroethene	ug/L	ND	1.0	09/29/20 03:31	
Toluene	ug/L	ND	1.0	09/29/20 03:31	
trans-1,2-Dichloroethene	ug/L	ND	1.0	09/29/20 03:31	
trans-1,3-Dichloropropene	ug/L	ND	1.0	09/29/20 03:31	
Trichloroethene	ug/L	ND	1.0	09/29/20 03:31	
Trichlorofluoromethane	ug/L	ND	1.0	09/29/20 03:31	
Vinyl chloride	ug/L	ND	1.0	09/29/20 03:31	
Xylene (Total)	ug/L	ND	3.0	09/29/20 03:31	
1,2-Dichloroethane-d4 (S)	%	98	86-117	09/29/20 03:31	
4-Bromofluorobenzene (S)	%	100	80-120	09/29/20 03:31	
Toluene-d8 (S)	%	102	80-120	09/29/20 03:31	

LABORATORY CONTROL SAMPLE: 2747155

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	20	19.8	99	85-118	
1,1,1-Trichloroethane	ug/L	20	20.2	101	85-118	
1,1,2,2-Tetrachloroethane	ug/L	20	16.8	84	78-118	
1,1,2-Trichloroethane	ug/L	20	20.9	105	82-117	
1,1-Dichloroethane	ug/L	20	20.4	102	85-120	
1,1-Dichloroethene	ug/L	20	19.2	96	81-124	
1,1-Dichloropropene	ug/L	20	18.7	94	71-119	
1,2,3-Trichlorobenzene	ug/L	20	20.0	100	76-120	
1,2,3-Trichloropropane	ug/L	20	20.6	103	78-123	
1,2,4-Trichlorobenzene	ug/L	20	19.7	98	77-117	
1,2,4-Trimethylbenzene	ug/L	20	20.4	102	85-120	
1,2-Dibromo-3-chloropropane	ug/L	20	18.9	95	68-125	

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QUALITY CONTROL DATA

Project: PINE LAWN

Pace Project No.: 60349457

LABORATORY CONTROL SAMPLE: 2747155

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dibromoethane (EDB)	ug/L	20	20.5	102	83-120	
1,2-Dichlorobenzene	ug/L	20	20.9	105	80-120	
1,2-Dichloroethane	ug/L	20	19.1	95	79-118	
1,2-Dichloroethene (Total)	ug/L	40	38.8	97	84-118	
1,2-Dichloropropane	ug/L	20	20.2	101	85-117	
1,3,5-Trimethylbenzene	ug/L	20	20.7	103	80-118	
1,3-Dichlorobenzene	ug/L	20	20.1	100	80-120	
1,3-Dichloropropane	ug/L	20	20.3	102	85-120	
1,4-Dichlorobenzene	ug/L	20	20.1	100	84-115	
2,2-Dichloropropane	ug/L	20	13.8	69	60-129	
2-Butanone (MEK)	ug/L	100	99.0	99	70-125	
2-Chlorotoluene	ug/L	20	21.4	107	84-115	
2-Hexanone	ug/L	100	99.0	99	76-126	
4-Chlorotoluene	ug/L	20	21.0	105	83-116	
4-Methyl-2-pentanone (MIBK)	ug/L	100	106	106	73-131	
Acetone	ug/L	100	91.9	92	59-135	
Benzene	ug/L	20	19.7	99	82-115	
Bromobenzene	ug/L	20	21.1	105	84-115	
Bromochloromethane	ug/L	20	19.8	99	85-125	
Bromodichloromethane	ug/L	20	19.8	99	82-123	
Bromoform	ug/L	20	19.5	98	66-133	
Bromomethane	ug/L	20	21.9	110	27-179	
Carbon disulfide	ug/L	20	22.8	114	72-134	
Carbon tetrachloride	ug/L	20	20.1	100	80-121	
Chlorobenzene	ug/L	20	20.6	103	80-120	
Chloroethane	ug/L	20	20.4	102	78-145	
Chloroform	ug/L	20	20.6	103	84-116	
Chloromethane	ug/L	20	20.0	100	48-160	
cis-1,2-Dichloroethene	ug/L	20	19.1	95	85-115	
cis-1,3-Dichloropropene	ug/L	20	18.8	94	85-117	
Dibromochloromethane	ug/L	20	19.8	99	82-122	
Dibromomethane	ug/L	20	19.9	99	81-122	
Dichlorodifluoromethane	ug/L	20	8.3	42	50-173	L2
Ethylbenzene	ug/L	20	19.9	100	79-115	
Hexachloro-1,3-butadiene	ug/L	20	19.4	97	75-120	
Isopropylbenzene (Cumene)	ug/L	20	19.8	99	84-117	
Methyl-tert-butyl ether	ug/L	20	19.8	99	77-126	
Methylene Chloride	ug/L	20	19.5	97	80-126	
n-Butylbenzene	ug/L	20	20.5	103	81-120	
n-Propylbenzene	ug/L	20	20.8	104	80-116	
Naphthalene	ug/L	20	20.5	102	73-126	
p-Isopropyltoluene	ug/L	20	18.4	92	74-121	
sec-Butylbenzene	ug/L	20	22.2	111	75-130	
Styrene	ug/L	20	20.9	105	80-117	
tert-Butylbenzene	ug/L	20	21.0	105	84-116	
Tetrachloroethene	ug/L	20	20.6	103	83-119	
Toluene	ug/L	20	20.4	102	83-115	

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QUALITY CONTROL DATA

Project: PINE LAWN

Pace Project No.: 60349457

LABORATORY CONTROL SAMPLE: 2747155

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
trans-1,2-Dichloroethene	ug/L	20	19.7	99	80-124	
trans-1,3-Dichloropropene	ug/L	20	19.9	99	83-117	
Trichloroethene	ug/L	20	23.3	117	80-118	
Trichlorofluoromethane	ug/L	20	19.8	99	83-133	
Vinyl chloride	ug/L	20	16.1	81	76-144	
Xylene (Total)	ug/L	60	62.1	103	82-120	
1,2-Dichloroethane-d4 (S)	%			100	86-117	
4-Bromofluorobenzene (S)	%			99	80-120	
Toluene-d8 (S)	%			102	80-120	

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QUALITY CONTROL DATA

Project: PINE LAWN

Pace Project No.: 60349457

QC Batch: 680122

Analysis Method: EPA 8260

QC Batch Method: EPA 5035

Analysis Description: 8260 MSV GRO and Oxygenates

Laboratory: Pace Analytical Services - Kansas City

Associated Lab Samples: 60349457001, 60349457002, 60349457003, 60349457004, 60349457005, 60349457006

METHOD BLANK: 2749547

Matrix: Solid

Associated Lab Samples: 60349457001, 60349457002, 60349457003, 60349457004, 60349457005, 60349457006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
TPH-GRO	mg/kg	ND	0.50	10/01/20 10:01	
1,2-Dichloroethane-d4 (S)	%	96	80-123	10/01/20 10:01	
4-Bromofluorobenzene (S)	%	97	69-133	10/01/20 10:01	
Toluene-d8 (S)	%	102	78-122	10/01/20 10:01	

LABORATORY CONTROL SAMPLE: 2749548

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
TPH-GRO	mg/kg	4	3.1	79	61-140	
1,2-Dichloroethane-d4 (S)	%			96	80-123	
4-Bromofluorobenzene (S)	%			98	69-133	
Toluene-d8 (S)	%			103	78-122	

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QUALITY CONTROL DATA

Project: PINE LAWN
Pace Project No.: 60349457

QC Batch: 680303 Analysis Method: EPA 8082
QC Batch Method: EPA 3546 Analysis Description: 8082 GCS PCB
Laboratory: Pace Analytical Services - Kansas City
Associated Lab Samples: 60349457001, 60349457002, 60349457003, 60349457004, 60349457005, 60349457006

METHOD BLANK: 2750057 Matrix: Solid
Associated Lab Samples: 60349457001, 60349457002, 60349457003, 60349457004, 60349457005, 60349457006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
PCB-1016 (Aroclor 1016)	ug/kg	ND	31.1	10/02/20 21:17	
PCB-1221 (Aroclor 1221)	ug/kg	ND	31.1	10/02/20 21:17	
PCB-1232 (Aroclor 1232)	ug/kg	ND	31.1	10/02/20 21:17	
PCB-1242 (Aroclor 1242)	ug/kg	ND	31.1	10/02/20 21:17	
PCB-1248 (Aroclor 1248)	ug/kg	ND	31.1	10/02/20 21:17	
PCB-1254 (Aroclor 1254)	ug/kg	ND	31.1	10/02/20 21:17	
PCB-1260 (Aroclor 1260)	ug/kg	ND	31.1	10/02/20 21:17	
Decachlorobiphenyl (S)	%	89	28-143	10/02/20 21:17	

LABORATORY CONTROL SAMPLE: 2750058

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
PCB-1016 (Aroclor 1016)	ug/kg	164	145	89	61-130	
PCB-1260 (Aroclor 1260)	ug/kg	164	151	92	56-128	
Decachlorobiphenyl (S)	%			89	28-143	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2750059 2750060

Parameter	Units	60349454006 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	ND	181	187	160	159	88	85	38-131	1	38	
PCB-1260 (Aroclor 1260)	ug/kg	ND	181	187	168	166	93	89	30-141	1	40	
Decachlorobiphenyl (S)	%						91	87	28-143			

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QUALITY CONTROL DATA

Project: PINE LAWN

Pace Project No.: 60349457

QC Batch: 679541

Analysis Method: EPA 8270

QC Batch Method: EPA 3546

Analysis Description: 8270 Solid MSSV Microwave

Laboratory: Pace Analytical Services - Kansas City

Associated Lab Samples: 60349457001, 60349457002, 60349457003, 60349457004, 60349457005, 60349457006

METHOD BLANK: 2747554

Matrix: Solid

Associated Lab Samples: 60349457001, 60349457002, 60349457003, 60349457004, 60349457005, 60349457006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,2,4-Trichlorobenzene	ug/kg	ND	318	10/06/20 09:10	
1,2-Dichlorobenzene	ug/kg	ND	318	10/06/20 09:10	
1,3-Dichlorobenzene	ug/kg	ND	318	10/06/20 09:10	
1,4-Dichlorobenzene	ug/kg	ND	318	10/06/20 09:10	
2,4,5-Trichlorophenol	ug/kg	ND	318	10/06/20 09:10	
2,4,6-Trichlorophenol	ug/kg	ND	318	10/06/20 09:10	
2,4-Dichlorophenol	ug/kg	ND	318	10/06/20 09:10	
2,4-Dimethylphenol	ug/kg	ND	318	10/06/20 09:10	
2,4-Dinitrophenol	ug/kg	ND	1610	10/06/20 09:10	
2,4-Dinitrotoluene	ug/kg	ND	318	10/06/20 09:10	
2,6-Dinitrotoluene	ug/kg	ND	318	10/06/20 09:10	
2-Chloronaphthalene	ug/kg	ND	318	10/06/20 09:10	
2-Chlorophenol	ug/kg	ND	318	10/06/20 09:10	
2-Methylnaphthalene	ug/kg	ND	318	10/06/20 09:10	
2-Methylphenol(o-Cresol)	ug/kg	ND	318	10/06/20 09:10	
2-Nitroaniline	ug/kg	ND	637	10/06/20 09:10	
2-Nitrophenol	ug/kg	ND	318	10/06/20 09:10	
3&4-Methylphenol(m&p Cresol)	ug/kg	ND	318	10/06/20 09:10	
3,3'-Dichlorobenzidine	ug/kg	ND	637	10/06/20 09:10	
3-Nitroaniline	ug/kg	ND	637	10/06/20 09:10	
4,6-Dinitro-2-methylphenol	ug/kg	ND	1610	10/06/20 09:10	
4-Bromophenylphenyl ether	ug/kg	ND	318	10/06/20 09:10	
4-Chloro-3-methylphenol	ug/kg	ND	637	10/06/20 09:10	
4-Chloroaniline	ug/kg	ND	637	10/06/20 09:10	
4-Chlorophenylphenyl ether	ug/kg	ND	318	10/06/20 09:10	
4-Nitroaniline	ug/kg	ND	637	10/06/20 09:10	
4-Nitrophenol	ug/kg	ND	1610	10/06/20 09:10	
Acenaphthene	ug/kg	ND	318	10/06/20 09:10	
Acenaphthylene	ug/kg	ND	318	10/06/20 09:10	
Anthracene	ug/kg	ND	318	10/06/20 09:10	
Benzo(a)anthracene	ug/kg	ND	318	10/06/20 09:10	
Benzo(a)pyrene	ug/kg	ND	318	10/06/20 09:10	
Benzo(b)fluoranthene	ug/kg	ND	318	10/06/20 09:10	
Benzo(g,h,i)perylene	ug/kg	ND	318	10/06/20 09:10	
Benzo(k)fluoranthene	ug/kg	ND	318	10/06/20 09:10	
Benzoic Acid	ug/kg	ND	1610	10/06/20 09:10	
Benzyl alcohol	ug/kg	ND	637	10/06/20 09:10	
bis(2-Chloroethoxy)methane	ug/kg	ND	318	10/06/20 09:10	
bis(2-Chloroethyl) ether	ug/kg	ND	318	10/06/20 09:10	
bis(2-Chloroisopropyl) ether	ug/kg	ND	318	10/06/20 09:10	

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QUALITY CONTROL DATA

Project: PINE LAWN

Pace Project No.: 60349457

METHOD BLANK: 2747554

Matrix: Solid

Associated Lab Samples: 60349457001, 60349457002, 60349457003, 60349457004, 60349457005, 60349457006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
bis(2-Ethylhexyl)phthalate	ug/kg	ND	318	10/06/20 09:10	
Butylbenzylphthalate	ug/kg	ND	318	10/06/20 09:10	
Carbazole	ug/kg	ND	318	10/06/20 09:10	
Chrysene	ug/kg	ND	318	10/06/20 09:10	
Di-n-butylphthalate	ug/kg	ND	318	10/06/20 09:10	
Di-n-octylphthalate	ug/kg	ND	318	10/06/20 09:10	
Dibenz(a,h)anthracene	ug/kg	ND	318	10/06/20 09:10	
Dibenzofuran	ug/kg	ND	318	10/06/20 09:10	
Diethylphthalate	ug/kg	ND	318	10/06/20 09:10	
Dimethylphthalate	ug/kg	ND	318	10/06/20 09:10	
Fluoranthene	ug/kg	ND	318	10/06/20 09:10	
Fluorene	ug/kg	ND	318	10/06/20 09:10	
Hexachloro-1,3-butadiene	ug/kg	ND	318	10/06/20 09:10	
Hexachlorobenzene	ug/kg	ND	318	10/06/20 09:10	
Hexachlorocyclopentadiene	ug/kg	ND	318	10/06/20 09:10	
Hexachloroethane	ug/kg	ND	318	10/06/20 09:10	
Indeno(1,2,3-cd)pyrene	ug/kg	ND	318	10/06/20 09:10	
Isophorone	ug/kg	ND	318	10/06/20 09:10	
N-Nitroso-di-n-propylamine	ug/kg	ND	318	10/06/20 09:10	
N-Nitrosodiphenylamine	ug/kg	ND	318	10/06/20 09:10	
Naphthalene	ug/kg	ND	318	10/06/20 09:10	
Nitrobenzene	ug/kg	ND	318	10/06/20 09:10	
Pentachlorophenol	ug/kg	ND	1610	10/06/20 09:10	
Phenanthrene	ug/kg	ND	318	10/06/20 09:10	
Phenol	ug/kg	ND	318	10/06/20 09:10	
Pyrene	ug/kg	ND	318	10/06/20 09:10	
Pyridine	ug/kg	ND	318	10/06/20 09:10	
2,4,6-Tribromophenol (S)	%	67	41-108	10/06/20 09:10	
2-Fluorobiphenyl (S)	%	85	39-136	10/06/20 09:10	
2-Fluorophenol (S)	%	77	43-96	10/06/20 09:10	
Nitrobenzene-d5 (S)	%	67	33-132	10/06/20 09:10	
Phenol-d6 (S)	%	76	43-95	10/06/20 09:10	
Terphenyl-d14 (S)	%	82	29-131	10/06/20 09:10	

LABORATORY CONTROL SAMPLE: 2747555

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2,4-Trichlorobenzene	ug/kg	1650	1280	78	52-104	
1,2-Dichlorobenzene	ug/kg	1650	1230	75	51-99	
1,3-Dichlorobenzene	ug/kg	1650	1230	74	48-102	
1,4-Dichlorobenzene	ug/kg	1650	1240	75	49-101	
2,4,5-Trichlorophenol	ug/kg	1650	1330	81	58-109	
2,4,6-Trichlorophenol	ug/kg	1650	1330	81	56-109	
2,4-Dichlorophenol	ug/kg	1650	1280	78	54-106	

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QUALITY CONTROL DATA

Project: PINE LAWN

Pace Project No.: 60349457

LABORATORY CONTROL SAMPLE: 2747555

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
2,4-Dimethylphenol	ug/kg	1650	1160	71	49-104	
2,4-Dinitrophenol	ug/kg	1650	905J	55	26-119	
2,4-Dinitrotoluene	ug/kg	1650	1090	66	60-109	
2,6-Dinitrotoluene	ug/kg	1650	1150	70	59-109	
2-Chloronaphthalene	ug/kg	1650	1270	77	56-104	
2-Chlorophenol	ug/kg	1650	1280	78	56-98	
2-Methylnaphthalene	ug/kg	1650	1280	78	53-103	
2-Methylphenol(o-Cresol)	ug/kg	1650	1210	74	52-102	
2-Nitroaniline	ug/kg	1650	1070	65	54-113	
2-Nitrophenol	ug/kg	1650	1060	64	51-111	
3&4-Methylphenol(m&p Cresol)	ug/kg	1650	1250	76	52-102	
3,3'-Dichlorobenzidine	ug/kg	1650	814	49	19-126	
3-Nitroaniline	ug/kg	1650	939	57	31-122	
4,6-Dinitro-2-methylphenol	ug/kg	1650	949J	58	37-117	
4-Bromophenylphenyl ether	ug/kg	1650	1310	79	60-106	
4-Chloro-3-methylphenol	ug/kg	1650	1290	78	55-107	
4-Chloroaniline	ug/kg	1650	730	44	10-116	
4-Chlorophenylphenyl ether	ug/kg	1650	1320	80	56-107	
4-Nitroaniline	ug/kg	1650	1150	70	52-113	
4-Nitrophenol	ug/kg	1650	1190J	72	53-114	
Acenaphthene	ug/kg	1650	1320	80	55-105	
Acenaphthylene	ug/kg	1650	1360	82	57-105	
Anthracene	ug/kg	1650	1290	79	59-106	
Benzo(a)anthracene	ug/kg	1650	1280	78	59-109	
Benzo(a)pyrene	ug/kg	1650	1250	76	59-109	
Benzo(b)fluoranthene	ug/kg	1650	1340	81	56-112	
Benzo(g,h,i)perylene	ug/kg	1650	1300	79	57-109	
Benzo(k)fluoranthene	ug/kg	1650	1210	74	57-107	
Benzoic Acid	ug/kg	1650	821J	50	10-96	
Benzyl alcohol	ug/kg	1650	1200	73	56-103	
bis(2-Chloroethoxy)methane	ug/kg	1650	1220	74	52-102	
bis(2-Chloroethyl) ether	ug/kg	1650	1200	73	51-100	
bis(2-Chloroisopropyl) ether	ug/kg	1650	1120	68	47-101	
bis(2-Ethylhexyl)phthalate	ug/kg	1650	1300	79	61-113	
Butylbenzylphthalate	ug/kg	1650	1300	79	62-110	
Carbazole	ug/kg	1650	1300	79	60-106	
Chrysene	ug/kg	1650	1330	81	58-108	
Di-n-butylphthalate	ug/kg	1650	1310	80	61-110	
Di-n-octylphthalate	ug/kg	1650	1330	81	58-114	
Dibenz(a,h)anthracene	ug/kg	1650	1280	78	57-109	
Dibenzofuran	ug/kg	1650	1290	78	56-106	
Diethylphthalate	ug/kg	1650	1270	77	57-107	
Dimethylphthalate	ug/kg	1650	1240	75	55-106	
Fluoranthene	ug/kg	1650	1300	79	60-109	
Fluorene	ug/kg	1650	1290	79	56-107	
Hexachloro-1,3-butadiene	ug/kg	1650	1250	76	50-106	
Hexachlorobenzene	ug/kg	1650	1310	80	56-107	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: PINE LAWN

Pace Project No.: 60349457

LABORATORY CONTROL SAMPLE: 2747555

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Hexachlorocyclopentadiene	ug/kg	1650	1100	67	18-118	
Hexachloroethane	ug/kg	1650	1150	70	49-101	
Indeno(1,2,3-cd)pyrene	ug/kg	1650	1310	80	58-108	
Isophorone	ug/kg	1650	1210	74	53-99	
N-Nitroso-di-n-propylamine	ug/kg	1650	1160	71	50-101	
N-Nitrosodiphenylamine	ug/kg	1650	1300	79	58-107	
Naphthalene	ug/kg	1650	1260	76	51-103	
Nitrobenzene	ug/kg	1650	1100	67	51-104	
Pentachlorophenol	ug/kg	1650	1010J	62	43-123	
Phenanthrene	ug/kg	1650	1310	80	58-106	
Phenol	ug/kg	1650	1240	75	53-101	
Pyrene	ug/kg	1650	1280	78	60-108	
Pyridine	ug/kg	1650	848	52	33-72	
2,4,6-Tribromophenol (S)	%			78	41-108	
2-Fluorobiphenyl (S)	%			79	39-136	
2-Fluorophenol (S)	%			70	43-96	
Nitrobenzene-d5 (S)	%			63	33-132	
Phenol-d6 (S)	%			69	43-95	
Terphenyl-d14 (S)	%			81	29-131	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2747556 2747557

Parameter	Units	60349352005 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,2,4-Trichlorobenzene	ug/kg	ND	1800	1800	1210	1060	67	59	42-102	13	26	
1,2-Dichlorobenzene	ug/kg	ND	1800	1800	1180	1060	66	59	45-96	11	31	
1,3-Dichlorobenzene	ug/kg	ND	1800	1800	1180	1040	66	58	44-95	13	31	
1,4-Dichlorobenzene	ug/kg	ND	1800	1800	1190	1040	66	58	45-95	13	30	
2,4,5-Trichlorophenol	ug/kg	ND	1800	1800	1240	1130	69	63	47-109	10	31	
2,4,6-Trichlorophenol	ug/kg	ND	1800	1800	1160	1020	65	57	14-133	13	31	
2,4-Dichlorophenol	ug/kg	ND	1800	1800	1170	1040	65	57	36-111	12	29	
2,4-Dimethylphenol	ug/kg	ND	1800	1800	995	856	55	47	22-113	15	32	
2,4-Dinitrophenol	ug/kg	ND	1800	1800	651J	694J	36	39	10-116		35	
2,4-Dinitrotoluene	ug/kg	ND	1800	1800	1070	1020	60	56	10-133	5	32	
2,6-Dinitrotoluene	ug/kg	ND	1800	1800	1130	1090	63	60	17-125	4	25	
2-Chloronaphthalene	ug/kg	ND	1800	1800	1200	1100	67	61	47-105	9	28	
2-Chlorophenol	ug/kg	ND	1800	1800	1190	1070	66	59	44-100	11	31	
2-Methylnaphthalene	ug/kg	ND	1800	1800	1210	1080	67	60	43-104	11	28	
2-Methylphenol(o-Cresol)	ug/kg	ND	1800	1800	1100	996	61	55	37-105	10	32	
2-Nitroaniline	ug/kg	ND	1800	1800	1070	1010	60	56	44-117	6	28	
2-Nitrophenol	ug/kg	ND	1800	1800	1120	1020	63	57	10-145	10	30	
3&4-Methylphenol(m&p Cresol)	ug/kg	ND	1800	1800	1120	1010	63	56	35-108	11	30	
3,3'-Dichlorobenzidine	ug/kg	ND	1800	1800	471J	605J	26	34	10-133		39	
3-Nitroaniline	ug/kg	ND	1800	1800	1070	1120	59	62	10-124	4	27	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: PINE LAWN

Pace Project No.: 60349457

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2747556 2747557											
Parameter	Units	60349352005 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	Max RPD	Qual
4,6-Dinitro-2-methylphenol	ug/kg	ND	1800	1800	800J	793J	44	44	10-123	30	
4-Bromophenylphenyl ether	ug/kg	ND	1800	1800	1240	1110	69	62	47-109	11	33
4-Chloro-3-methylphenol	ug/kg	ND	1800	1800	1150	1040	64	58	42-109	10	30
4-Chloroaniline	ug/kg	ND	1800	1800	870	990	48	55	10-94	13	33
4-Chlorophenylphenyl ether	ug/kg	ND	1800	1800	1230	1120	69	62	46-106	9	33
4-Nitroaniline	ug/kg	ND	1800	1800	927	916	52	51	11-126	1	47
4-Nitrophenol	ug/kg	ND	1800	1800	1060J	972J	59	54	18-130		35
Acenaphthene	ug/kg	ND	1800	1800	1240	1130	69	63	44-104	9	23
Acenaphthylene	ug/kg	ND	1800	1800	1270	1170	70	65	47-102	8	29
Anthracene	ug/kg	ND	1800	1800	1200	1100	67	61	39-112	9	30
Benzo(a)anthracene	ug/kg	ND	1800	1800	1190	1090	66	61	10-139	8	32
Benzo(a)pyrene	ug/kg	ND	1800	1800	1200	1070	67	59	12-132	11	33
Benzo(b)fluoranthene	ug/kg	ND	1800	1800	1160	1060	65	59	12-136	9	37
Benzo(g,h,i)perylene	ug/kg	ND	1800	1800	1180	1070	66	59	22-119	10	41
Benzo(k)fluoranthene	ug/kg	ND	1800	1800	1210	1090	67	60	32-113	11	32
Benzoic Acid	ug/kg	ND	1800	1800	614J	406J	34	23	10-101		35
Benzyl alcohol	ug/kg	ND	1800	1800	1180	1060	66	59	46-103	10	31
bis(2-Chloroethoxy)methane	ug/kg	ND	1800	1800	1130	1010	63	56	41-100	11	29
bis(2-Chloroethyl) ether	ug/kg	ND	1800	1800	1160	1040	64	58	46-100	11	32
bis(2-Chloroisopropyl) ether	ug/kg	ND	1800	1800	1050	950	58	53	40-99	10	29
bis(2-Ethylhexyl)phthalate	ug/kg	ND	1800	1800	1200	1110	67	62	24-141	8	33
Butylbenzylphthalate	ug/kg	ND	1800	1800	1220	1090	68	60	41-131	12	33
Carbazole	ug/kg	ND	1800	1800	1140	1030	63	57	41-107	10	30
Chrysene	ug/kg	ND	1800	1800	1220	1110	68	61	10-137	9	31
Di-n-butylphthalate	ug/kg	ND	1800	1800	1210	1090	67	60	41-118	11	31
Di-n-octylphthalate	ug/kg	ND	1800	1800	1260	1140	70	63	40-138	10	29
Dibenz(a,h)anthracene	ug/kg	ND	1800	1800	1180	1060	66	59	23-122	11	35
Dibenzofuran	ug/kg	ND	1800	1800	1210	1110	67	62	49-101	8	28
Diethylphthalate	ug/kg	ND	1800	1800	1210	1100	67	61	42-107	10	31
Dimethylphthalate	ug/kg	ND	1800	1800	1130	1050	63	58	37-108	8	30
Fluoranthene	ug/kg	ND	1800	1800	1220	1100	67	61	10-139	10	32
Fluorene	ug/kg	ND	1800	1800	1210	1140	67	63	43-108	6	32
Hexachloro-1,3-butadiene	ug/kg	ND	1800	1800	1190	1060	66	59	41-104	12	27
Hexachlorobenzene	ug/kg	ND	1800	1800	1200	1100	67	61	46-105	9	31
Hexachlorocyclopentadiene	ug/kg	ND	1800	1800	1060	945	59	52	10-111	12	61
Hexachloroethane	ug/kg	ND	1800	1800	1110	1000	62	56	11-119	10	34
Indeno(1,2,3-cd)pyrene	ug/kg	ND	1800	1800	1190	1060	66	59	21-120	11	38
Isophorone	ug/kg	ND	1800	1800	1130	1010	63	56	44-97	12	28
N-Nitroso-di-n-propylamine	ug/kg	ND	1800	1800	1110	994	62	55	37-108	11	30
N-Nitrosodiphenylamine	ug/kg	ND	1800	1800	1170	1080	65	60	41-108	8	36
Naphthalene	ug/kg	ND	1800	1800	1200	1050	67	58	40-105	13	31
Nitrobenzene	ug/kg	ND	1800	1800	1060	958	59	53	35-106	10	29
Pentachlorophenol	ug/kg	ND	1800	1800	967J	844J	54	47	10-144		35
Phenanthrene	ug/kg	ND	1800	1800	1210	1090	67	60	43-108	11	29
Phenol	ug/kg	ND	1800	1800	1170	1040	65	58	38-102	11	29

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QUALITY CONTROL DATA

Project: PINE LAWN

Pace Project No.: 60349457

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2747556 2747557													
Parameter	Units	60349352005	MS	MSD	MS	MSD	MS	MSD	% Rec	Limits	RPD	Max	Qual
		Result	Spike	Spike									
Pyrene	ug/kg	ND	1800	1800	1200	1090	67	60	10-147	10	38		
Pyridine	ug/kg	ND	1800	1800	782	676	43	37	10-79	15	35		
2,4,6-Tribromophenol (S)	%						65	59	41-108				
2-Fluorobiphenyl (S)	%						68	62	39-136				
2-Fluorophenol (S)	%						61	53	43-96				
Nitrobenzene-d5 (S)	%						57	52	33-132				
Phenol-d6 (S)	%						60	53	43-95				
Terphenyl-d14 (S)	%						71	63	29-131				

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QUALITY CONTROL DATA

Project: PINE LAWN
Pace Project No.: 60349457

QC Batch: 680409 Analysis Method: EPA 8270
QC Batch Method: EPA 3546 Analysis Description: 8270 MSSV TPH ORO
Laboratory: Pace Analytical Services - Kansas City
Associated Lab Samples: 60349457001, 60349457002, 60349457003, 60349457004, 60349457005, 60349457006

METHOD BLANK: 2750615 Matrix: Solid
Associated Lab Samples: 60349457001, 60349457002, 60349457003, 60349457004, 60349457005, 60349457006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
TPH-DRO	mg/kg	ND	15.0	10/07/20 21:07	
TPH-ORO	mg/kg	ND	15.0	10/07/20 21:07	
2-Fluorobiphenyl (S)	%	82	39-136	10/07/20 21:07	
Nitrobenzene-d5 (S)	%	76	33-132	10/07/20 21:07	
Terphenyl-d14 (S)	%	88	29-131	10/07/20 21:07	

LABORATORY CONTROL SAMPLE: 2750616

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
TPH-DRO	mg/kg	321	258	80	39-122	
2-Fluorobiphenyl (S)	%			88	39-136	
Nitrobenzene-d5 (S)	%			86	33-132	
Terphenyl-d14 (S)	%			95	29-131	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2750617 2750618

Parameter	Units	60349444006 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
TPH-DRO	mg/kg	ND	376	365	266	263	71	72	12-137	1	38	
2-Fluorobiphenyl (S)	%						71	74	39-136			
Nitrobenzene-d5 (S)	%						69	72	33-132			
Terphenyl-d14 (S)	%						73	78	29-131			

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QUALITY CONTROL DATA

Project: PINE LAWN

Pace Project No.: 60349457

QC Batch: 679595

Analysis Method: ASTM D2974

QC Batch Method: ASTM D2974

Analysis Description: Dry Weight/Percent Moisture

Laboratory: Pace Analytical Services - Kansas City

Associated Lab Samples: 60349457001, 60349457002, 60349457003, 60349457004, 60349457005, 60349457006

METHOD BLANK: 2747795

Matrix: Solid

Associated Lab Samples: 60349457001, 60349457002, 60349457003, 60349457004, 60349457005, 60349457006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Percent Moisture	%	ND	0.50	09/29/20 14:17	

SAMPLE DUPLICATE: 2747796

Parameter	Units	60349444001 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	16.2	16.7	3	20	

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QUALIFIERS

Project: PINE LAWN

Pace Project No.: 60349457

DEFINITIONS

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

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

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

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

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

S - Surrogate

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

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

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

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

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

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

TNI - The NELAC Institute.

BATCH QUALIFIERS

Batch: 679382

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

ANALYTE QUALIFIERS

D3 Sample was diluted due to the presence of high levels of non-target analytes or other matrix interference.

L2 Analyte recovery in the laboratory control sample (LCS) was below QC limits. Results for this analyte in associated samples may be biased low.

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

P3 Sample extract could not be concentrated to the routine final volume, resulting in elevated reporting limits.

S0 Surrogate recovery outside laboratory control limits.

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

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: PINE LAWN

Pace Project No.: 60349457

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
60349457001	DPT-26-SO-(24-25)	EPA 3546	680303	EPA 8082	680550
60349457002	DPT-26-SO-(24-25)-FD	EPA 3546	680303	EPA 8082	680550
60349457003	DPT-27-SO-(29-30)	EPA 3546	680303	EPA 8082	680550
60349457004	DPT-28-SO-(29-30)	EPA 3546	680303	EPA 8082	680550
60349457005	DPT-29-SO-(0-2)	EPA 3546	680303	EPA 8082	680550
60349457006	DPT-29-SO-(29-30)	EPA 3546	680303	EPA 8082	680550
60349457001	DPT-26-SO-(24-25)	EPA 3050	680742	EPA 6010	681110
60349457002	DPT-26-SO-(24-25)-FD	EPA 3050	680742	EPA 6010	681110
60349457003	DPT-27-SO-(29-30)	EPA 3050	680742	EPA 6010	681110
60349457004	DPT-28-SO-(29-30)	EPA 3050	680742	EPA 6010	681110
60349457005	DPT-29-SO-(0-2)	EPA 3050	680742	EPA 6010	681110
60349457006	DPT-29-SO-(29-30)	EPA 3050	680742	EPA 6010	681110
60349457001	DPT-26-SO-(24-25)	EPA 7471	680546	EPA 7471	680822
60349457002	DPT-26-SO-(24-25)-FD	EPA 7471	680546	EPA 7471	680822
60349457003	DPT-27-SO-(29-30)	EPA 7471	680546	EPA 7471	680822
60349457004	DPT-28-SO-(29-30)	EPA 7471	680546	EPA 7471	680822
60349457005	DPT-29-SO-(0-2)	EPA 7471	680546	EPA 7471	680822
60349457006	DPT-29-SO-(29-30)	EPA 7471	680546	EPA 7471	680822
60349457001	DPT-26-SO-(24-25)	EPA 3546	679541	EPA 8270	680630
60349457002	DPT-26-SO-(24-25)-FD	EPA 3546	679541	EPA 8270	680630
60349457003	DPT-27-SO-(29-30)	EPA 3546	679541	EPA 8270	680630
60349457004	DPT-28-SO-(29-30)	EPA 3546	679541	EPA 8270	680630
60349457005	DPT-29-SO-(0-2)	EPA 3546	679541	EPA 8270	680630
60349457006	DPT-29-SO-(29-30)	EPA 3546	679541	EPA 8270	680630
60349457001	DPT-26-SO-(24-25)	EPA 3546	680409	EPA 8270	681072
60349457002	DPT-26-SO-(24-25)-FD	EPA 3546	680409	EPA 8270	681072
60349457003	DPT-27-SO-(29-30)	EPA 3546	680409	EPA 8270	681072
60349457004	DPT-28-SO-(29-30)	EPA 3546	680409	EPA 8270	681072
60349457005	DPT-29-SO-(0-2)	EPA 3546	680409	EPA 8270	681072
60349457006	DPT-29-SO-(29-30)	EPA 3546	680409	EPA 8270	681072
60349457001	DPT-26-SO-(24-25)	EPA 5035A/5030	680121	EPA 8260B	680210
60349457002	DPT-26-SO-(24-25)-FD	EPA 5035A/5030	680121	EPA 8260B	680210
60349457003	DPT-27-SO-(29-30)	EPA 5035A/5030	680121	EPA 8260B	680210
60349457004	DPT-28-SO-(29-30)	EPA 5035A/5030	680121	EPA 8260B	680210
60349457005	DPT-29-SO-(0-2)	EPA 5035A/5030	680121	EPA 8260B	680210
60349457006	DPT-29-SO-(29-30)	EPA 5035A/5030	680121	EPA 8260B	680210
60349457007	PINE LAWN-GW-TB8	EPA 5030B/8260	679382		
60349457001	DPT-26-SO-(24-25)	EPA 5035	680122	EPA 8260	680212
60349457002	DPT-26-SO-(24-25)-FD	EPA 5035	680122	EPA 8260	680212
60349457003	DPT-27-SO-(29-30)	EPA 5035	680122	EPA 8260	680212
60349457004	DPT-28-SO-(29-30)	EPA 5035	680122	EPA 8260	680212
60349457005	DPT-29-SO-(0-2)	EPA 5035	680122	EPA 8260	680212
60349457006	DPT-29-SO-(29-30)	EPA 5035	680122	EPA 8260	680212
60349457001	DPT-26-SO-(24-25)	ASTM D2974	679595		
60349457002	DPT-26-SO-(24-25)-FD	ASTM D2974	679595		

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: PINE LAWN

Pace Project No.: 60349457

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
60349457003	DPT-27-SO-(29-30)	ASTM D2974	679595		
60349457004	DPT-28-SO-(29-30)	ASTM D2974	679595		
60349457005	DPT-29-SO-(0-2)	ASTM D2974	679595		
60349457006	DPT-29-SO-(29-30)	ASTM D2974	679595		

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Sample Condition Upon Receipt

WO#: 60349457



Client Name:

Tetra Tech EMI

Courier: FedEx ☐ UPS ☐ VIA ☐ Clay ☐ PEX ☐ ECI ☐ Pace ☐ Xroads ☒ Client ☐ Other ☐

Tracking #:

Pace Shipping Label Used? Yes ☐ No ☐

Custody Seal on Cooler/Box Present: Yes ☒ No ☐ Seals intact: Yes ☒ No ☐

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

Thermometer Used: _____ Type of Ice: Wet Blue None

Cooler Temperature (°C): As-read 1.3 Corr. Factor -0.4 Corrected 0.9

Date and initials of person examining contents:

Temperature should be above freezing to 6°C

Chain of Custody present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Chain of Custody relinquished:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Samples arrived within holding time:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Short Hold Time analyses (<72hr):	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	
Rush Turn Around Time requested:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	
Sufficient volume:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Correct containers used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Pace containers used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Containers intact:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Unpreserved 5035A / TX1005/1006 soils frozen in 48hrs?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
Filtered volume received for dissolved tests?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
Sample labels match COC: Date / time / ID / analyses	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Samples contain multiple phases? Matrix: <u>WT</u>	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	
Containers requiring pH preservation in compliance? (HNO ₃ , H ₂ SO ₄ , HCl<2; NaOH>9 Sulfide, NaOH>10 Cyanide) (Exceptions: VOA, Micro, O&G, KS TPH, OK-DRO) LOT#	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	List sample IDs, volumes, lot #'s of preservative and the date/time added.
Cyanide water sample checks:		
Lead acetate strip turns dark? (Record only)	<input type="checkbox"/> Yes <input type="checkbox"/> No	
Potassium iodide test strip turns blue/purple? (Preserve)	<input type="checkbox"/> Yes <input type="checkbox"/> No	
Trip Blank present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	2 DGAH trip blanks
Headspace in VOA vials (>6mm):	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	
Samples from USDA Regulated Area: State: <u>ND</u>	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	
Additional labels attached to 5035A / TX1005 vials in the field?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	

Client Notification/ Resolution: Copy COC to Client? Y / N Field Data Required? Y / N

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

Project Manager Review: _____ Date: _____

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



Samples intact
(N/N)

October 08, 2020

Kaitlyn Mitchell
Tetra Tech EMI
415 Oak
Kansas City, MO 64106

RE: Project: PINE LAWN
Pace Project No.: 60349564

Dear Kaitlyn Mitchell:

Enclosed are the analytical results for sample(s) received by the laboratory on September 26, 2020. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

- Pace Analytical Services - Kansas City

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

Sincerely,



Jeffrey Shopper
jeff.shopper@pacelabs.com
1(913)563-1408
Project Manager

Enclosures



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: PINE LAWN

Pace Project No.: 60349564

Pace Analytical Services Kansas

9608 Loiret Boulevard, Lenexa, KS 66219

Missouri Inorganic Drinking Water Certification #: 10090

Arkansas Drinking Water

Arkansas Certification #: 20-020-0

Arkansas Drinking Water

Illinois Certification #: 200030

Iowa Certification #: 118

Kansas/NELAP Certification #: E-10116

Louisiana Certification #: 03055

Nevada Certification #: KS000212020-2

Oklahoma Certification #: 9205/9935

Florida: Cert E871149 SEKS WET

Texas Certification #: T104704407-19-12

Utah Certification #: KS000212019-9

Illinois Certification #: 004592

Kansas Field Laboratory Accreditation: # E-92587

Missouri SEKS Micro Certification: 10070

REPORT OF LABORATORY ANALYSIS

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SAMPLE SUMMARY

Project: PINE LAWN

Pace Project No.: 60349564

Lab ID	Sample ID	Matrix	Date Collected	Date Received
60349564001	DPT-12-GW-(24-29)	Water	09/25/20 08:40	09/26/20 05:30
60349564002	DPT-12-GW-(24-29)-FD	Water	09/25/20 08:40	09/26/20 05:30
60349564003	PINE LAWN-FB5	Water	09/25/20 10:15	09/26/20 05:30
60349564004	DPT-20-GW-(25-30)	Water	09/25/20 10:49	09/26/20 05:30
60349564005	DPT-20-GW-(25-30)-FD	Water	09/25/20 10:49	09/26/20 05:30
60349564006	PINE LAWN-GW-TB10	Water	09/25/20 11:35	09/26/20 05:30

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: PINE LAWN

Pace Project No.: 60349564

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
60349564001	DPT-12-GW-(24-29)	EPA 8082	AJB1	8	PASI-K
		EPA 6010	JLH	7	PASI-K
		EPA 6010	JLH	7	PASI-K
		EPA 7470	MRV	1	PASI-K
		EPA 7470	MRV	1	PASI-K
		EPA 8270	NAW	5	PASI-K
		EPA 8270	JMT	73	PASI-K
		EPA 5030B/8260	CJC	69	PASI-K
		EPA 8260	DTB	5	PASI-K
		EPA 8082	AJB1	8	PASI-K
60349564002	DPT-12-GW-(24-29)-FD	EPA 6010	JLH	7	PASI-K
		EPA 6010	JLH	7	PASI-K
		EPA 7470	MRV	1	PASI-K
		EPA 7470	MRV	1	PASI-K
		EPA 8270	NAW	5	PASI-K
		EPA 8270	JMT	73	PASI-K
		EPA 5030B/8260	CJC	69	PASI-K
		EPA 8260	DTB	5	PASI-K
		EPA 8082	AJB1	8	PASI-K
		EPA 6010	JLH	7	PASI-K
60349564003	PINE LAWN-FB5	EPA 6010	JLH	7	PASI-K
		EPA 7470	MRV	1	PASI-K
		EPA 7470	MRV	1	PASI-K
		EPA 8270	NAW	5	PASI-K
		EPA 8270	JMT	73	PASI-K
		EPA 5030B/8260	CJC	69	PASI-K
		EPA 8260	DTB	5	PASI-K
		EPA 8082	AJB1	8	PASI-K
		EPA 6010	JLH	7	PASI-K
		EPA 6010	JLH	7	PASI-K
60349564004	DPT-20-GW-(25-30)	EPA 7470	MRV	1	PASI-K
		EPA 7470	MRV	1	PASI-K
		EPA 8270	NAW	5	PASI-K
		EPA 8270	JMT	73	PASI-K
		EPA 5030B/8260	CJC	69	PASI-K
		EPA 8260	DTB	5	PASI-K
		EPA 8082	AJB1	8	PASI-K
		EPA 6010	JLH	7	PASI-K
		EPA 6010	JLH	7	PASI-K
		EPA 7470	MRV	1	PASI-K
60349564005	DPT-20-GW-(25-30)-FD	EPA 8270	NAW	5	PASI-K
		EPA 8270	JMT	73	PASI-K
		EPA 8082	AJB1	8	PASI-K

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: PINE LAWN

Pace Project No.: 60349564

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
60349564006	PINE LAWN-GW-TB10	EPA 6010	JLH	7	PASI-K
		EPA 6010	JLH	7	PASI-K
		EPA 7470	MRV	1	PASI-K
		EPA 7470	MRV	1	PASI-K
		EPA 8270	NAW	5	PASI-K
		EPA 8270	JMT	73	PASI-K
		EPA 5030B/8260	CJC	69	PASI-K
		EPA 8260	DTB	5	PASI-K
		EPA 5030B/8260	CJC	69	PASI-K

PASI-K = Pace Analytical Services - Kansas City

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: PINE LAWN

Pace Project No.: 60349564

Sample: DPT-12-GW-(24-29)		Lab ID: 60349564001		Collected: 09/25/20 08:40		Received: 09/26/20 05:30		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
8082 GCS PCB, LV									
Analytical Method: EPA 8082 Preparation Method: EPA 3510									
Pace Analytical Services - Kansas City									
PCB-1016 (Aroclor 1016)	ND	ug/L	0.95	1	10/05/20 13:24	10/05/20 15:46	12674-11-2		
PCB-1221 (Aroclor 1221)	ND	ug/L	0.95	1	10/05/20 13:24	10/05/20 15:46	11104-28-2		
PCB-1232 (Aroclor 1232)	ND	ug/L	0.95	1	10/05/20 13:24	10/05/20 15:46	11141-16-5		
PCB-1242 (Aroclor 1242)	ND	ug/L	0.95	1	10/05/20 13:24	10/05/20 15:46	53469-21-9		
PCB-1248 (Aroclor 1248)	ND	ug/L	0.95	1	10/05/20 13:24	10/05/20 15:46	12672-29-6		
PCB-1254 (Aroclor 1254)	ND	ug/L	0.95	1	10/05/20 13:24	10/05/20 15:46	11097-69-1		
PCB-1260 (Aroclor 1260)	ND	ug/L	0.95	1	10/05/20 13:24	10/05/20 15:46	11096-82-5		
Surrogates									
Decachlorobiphenyl (S)	78	%	30-136	1	10/05/20 13:24	10/05/20 15:46	2051-24-3		
6010 MET ICP									
Analytical Method: EPA 6010 Preparation Method: EPA 3010									
Pace Analytical Services - Kansas City									
Arsenic	92.7	ug/L	10.0	1	10/06/20 07:00	10/06/20 19:47	7440-38-2	M1	
Barium	13900	ug/L	10.0	2	10/06/20 07:00	10/07/20 14:40	7440-39-3	M1	
Cadmium	9.0	ug/L	5.0	1	10/06/20 07:00	10/06/20 19:47	7440-43-9		
Chromium	528	ug/L	10.0	2	10/06/20 07:00	10/07/20 14:40	7440-47-3		
Lead	469	ug/L	10.0	1	10/06/20 07:00	10/06/20 19:47	7439-92-1	M1	
Selenium	33.4	ug/L	30.0	2	10/06/20 07:00	10/07/20 14:40	7782-49-2	M1	
Silver	ND	ug/L	14.0	2	10/06/20 07:00	10/07/20 14:40	7440-22-4	D3	
6010 MET ICP, Dissolved									
Analytical Method: EPA 6010 Preparation Method: EPA 3010									
Pace Analytical Services - Kansas City									
Arsenic, Dissolved	ND	ug/L	10.0	1	10/06/20 07:00	10/06/20 16:49	7440-38-2		
Barium, Dissolved	372	ug/L	5.0	1	10/06/20 07:00	10/06/20 16:49	7440-39-3		
Cadmium, Dissolved	ND	ug/L	5.0	1	10/06/20 07:00	10/06/20 16:49	7440-43-9		
Chromium, Dissolved	ND	ug/L	5.0	1	10/06/20 07:00	10/06/20 16:49	7440-47-3		
Lead, Dissolved	ND	ug/L	10.0	1	10/06/20 07:00	10/06/20 16:49	7439-92-1		
Selenium, Dissolved	ND	ug/L	15.0	1	10/06/20 07:00	10/06/20 16:49	7782-49-2		
Silver, Dissolved	ND	ug/L	7.0	1	10/06/20 07:00	10/06/20 16:49	7440-22-4		
7470 Mercury									
Analytical Method: EPA 7470 Preparation Method: EPA 7470									
Pace Analytical Services - Kansas City									
Mercury	2.1	ug/L	0.20	1	09/29/20 14:13	10/01/20 11:19	7439-97-6		
7470 Mercury, Dissolved									
Analytical Method: EPA 7470 Preparation Method: EPA 7470									
Pace Analytical Services - Kansas City									
Mercury, Dissolved	ND	ug/L	0.20	1	09/29/20 14:13	10/01/20 10:36	7439-97-6		
8270 MSSV DRO/ORO									
Analytical Method: EPA 8270 Preparation Method: EPA 3510C									
Pace Analytical Services - Kansas City									
TPH-ORO	ND	mg/L	1.0	1	09/30/20 23:58	10/08/20 02:20			
TPH-DRO	1.0	mg/L	1.0	1	09/30/20 23:58	10/08/20 02:20			
Surrogates									
Nitrobenzene-d5 (S)	72	%	27-106	1	09/30/20 23:58	10/08/20 02:20	4165-60-0		
2-Fluorobiphenyl (S)	75	%	29-108	1	09/30/20 23:58	10/08/20 02:20	321-60-8		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: PINE LAWN

Pace Project No.: 60349564

Sample: DPT-12-GW-(24-29)		Lab ID: 60349564001		Collected: 09/25/20 08:40		Received: 09/26/20 05:30		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
8270 MSSV DRO/ORO		Analytical Method: EPA 8270 Preparation Method: EPA 3510C Pace Analytical Services - Kansas City							
Surrogates									
Terphenyl-d14 (S)	84	%	34-129	1	09/30/20 23:58	10/08/20 02:20	1718-51-0		
8270 MSSV Semivolatile Organic		Analytical Method: EPA 8270 Preparation Method: EPA 3510 Pace Analytical Services - Kansas City							
Acenaphthene	ND	ug/L	12.5	1	09/30/20 15:38	10/05/20 11:23	83-32-9		
Acenaphthylene	ND	ug/L	12.5	1	09/30/20 15:38	10/05/20 11:23	208-96-8		
Anthracene	ND	ug/L	12.5	1	09/30/20 15:38	10/05/20 11:23	120-12-7		
Benzo(a)anthracene	ND	ug/L	12.5	1	09/30/20 15:38	10/05/20 11:23	56-55-3		
Benzo(a)pyrene	ND	ug/L	12.5	1	09/30/20 15:38	10/05/20 11:23	50-32-8		
Benzo(b)fluoranthene	ND	ug/L	12.5	1	09/30/20 15:38	10/05/20 11:23	205-99-2		
Benzo(g,h,i)perylene	ND	ug/L	12.5	1	09/30/20 15:38	10/05/20 11:23	191-24-2		
Benzo(k)fluoranthene	ND	ug/L	12.5	1	09/30/20 15:38	10/05/20 11:23	207-08-9		
Benzoic Acid	ND	ug/L	62.5	1	09/30/20 15:38	10/05/20 11:23	65-85-0		
Benzyl alcohol	ND	ug/L	25.0	1	09/30/20 15:38	10/05/20 11:23	100-51-6		
4-Bromophenylphenyl ether	ND	ug/L	12.5	1	09/30/20 15:38	10/05/20 11:23	101-55-3		
Butylbenzylphthalate	ND	ug/L	25.0	1	09/30/20 15:38	10/05/20 11:23	85-68-7		
Carbazole	ND	ug/L	12.5	1	09/30/20 15:38	10/05/20 11:23	86-74-8		
4-Chloro-3-methylphenol	ND	ug/L	25.0	1	09/30/20 15:38	10/05/20 11:23	59-50-7		
4-Chloroaniline	ND	ug/L	25.0	1	09/30/20 15:38	10/05/20 11:23	106-47-8		
bis(2-Chloroethoxy)methane	ND	ug/L	12.5	1	09/30/20 15:38	10/05/20 11:23	111-91-1		
bis(2-Chloroethyl) ether	ND	ug/L	12.5	1	09/30/20 15:38	10/05/20 11:23	111-44-4		
bis(2-Chloroisopropyl) ether	ND	ug/L	12.5	1	09/30/20 15:38	10/05/20 11:23	108-60-1		
2-Chloronaphthalene	ND	ug/L	12.5	1	09/30/20 15:38	10/05/20 11:23	91-58-7		
2-Chlorophenol	ND	ug/L	12.5	1	09/30/20 15:38	10/05/20 11:23	95-57-8		
4-Chlorophenylphenyl ether	ND	ug/L	12.5	1	09/30/20 15:38	10/05/20 11:23	7005-72-3		
Chrysene	ND	ug/L	12.5	1	09/30/20 15:38	10/05/20 11:23	218-01-9		
Dibenz(a,h)anthracene	ND	ug/L	12.5	1	09/30/20 15:38	10/05/20 11:23	53-70-3		
Dibenzofuran	ND	ug/L	12.5	1	09/30/20 15:38	10/05/20 11:23	132-64-9		
1,2-Dichlorobenzene	ND	ug/L	12.5	1	09/30/20 15:38	10/05/20 11:23	95-50-1		
1,3-Dichlorobenzene	ND	ug/L	12.5	1	09/30/20 15:38	10/05/20 11:23	541-73-1		
1,4-Dichlorobenzene	ND	ug/L	12.5	1	09/30/20 15:38	10/05/20 11:23	106-46-7		
3,3'-Dichlorobenzidine	ND	ug/L	25.0	1	09/30/20 15:38	10/05/20 11:23	91-94-1		
2,4-Dichlorophenol	ND	ug/L	12.5	1	09/30/20 15:38	10/05/20 11:23	120-83-2		
Diethylphthalate	ND	ug/L	12.5	1	09/30/20 15:38	10/05/20 11:23	84-66-2		
2,4-Dimethylphenol	ND	ug/L	12.5	1	09/30/20 15:38	10/05/20 11:23	105-67-9		
Dimethylphthalate	ND	ug/L	12.5	1	09/30/20 15:38	10/05/20 11:23	131-11-3		
Di-n-butylphthalate	ND	ug/L	12.5	1	09/30/20 15:38	10/05/20 11:23	84-74-2		
4,6-Dinitro-2-methylphenol	ND	ug/L	62.5	1	09/30/20 15:38	10/05/20 11:23	534-52-1		
2,4-Dinitrophenol	ND	ug/L	62.5	1	09/30/20 15:38	10/05/20 11:23	51-28-5		
2,4-Dinitrotoluene	ND	ug/L	12.5	1	09/30/20 15:38	10/05/20 11:23	121-14-2		
2,6-Dinitrotoluene	ND	ug/L	12.5	1	09/30/20 15:38	10/05/20 11:23	606-20-2		
Di-n-octylphthalate	ND	ug/L	12.5	1	09/30/20 15:38	10/05/20 11:23	117-84-0		
bis(2-Ethylhexyl)phthalate	ND	ug/L	25.0	1	09/30/20 15:38	10/05/20 11:23	117-81-7		
Fluoranthene	ND	ug/L	12.5	1	09/30/20 15:38	10/05/20 11:23	206-44-0		
Fluorene	ND	ug/L	12.5	1	09/30/20 15:38	10/05/20 11:23	86-73-7		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: PINE LAWN

Pace Project No.: 60349564

Sample: DPT-12-GW-(24-29)		Lab ID: 60349564001	Collected: 09/25/20 08:40	Received: 09/26/20 05:30	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Semivolatile Organic		Analytical Method: EPA 8270 Preparation Method: EPA 3510 Pace Analytical Services - Kansas City						
Hexachloro-1,3-butadiene	ND	ug/L	12.5	1	09/30/20 15:38	10/05/20 11:23	87-68-3	
Hexachlorobenzene	ND	ug/L	12.5	1	09/30/20 15:38	10/05/20 11:23	118-74-1	
Hexachlorocyclopentadiene	ND	ug/L	12.5	1	09/30/20 15:38	10/05/20 11:23	77-47-4	
Hexachloroethane	ND	ug/L	12.5	1	09/30/20 15:38	10/05/20 11:23	67-72-1	
Indeno(1,2,3-cd)pyrene	ND	ug/L	12.5	1	09/30/20 15:38	10/05/20 11:23	193-39-5	
Isophorone	ND	ug/L	12.5	1	09/30/20 15:38	10/05/20 11:23	78-59-1	
2-Methylnaphthalene	ND	ug/L	12.5	1	09/30/20 15:38	10/05/20 11:23	91-57-6	
2-Methylphenol(o-Cresol)	ND	ug/L	12.5	1	09/30/20 15:38	10/05/20 11:23	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/L	12.5	1	09/30/20 15:38	10/05/20 11:23	15831-10-4	
Naphthalene	ND	ug/L	12.5	1	09/30/20 15:38	10/05/20 11:23	91-20-3	
2-Nitroaniline	ND	ug/L	62.5	1	09/30/20 15:38	10/05/20 11:23	88-74-4	
3-Nitroaniline	ND	ug/L	62.5	1	09/30/20 15:38	10/05/20 11:23	99-09-2	
4-Nitroaniline	ND	ug/L	62.5	1	09/30/20 15:38	10/05/20 11:23	100-01-6	
Nitrobenzene	ND	ug/L	12.5	1	09/30/20 15:38	10/05/20 11:23	98-95-3	
2-Nitrophenol	ND	ug/L	12.5	1	09/30/20 15:38	10/05/20 11:23	88-75-5	
4-Nitrophenol	ND	ug/L	62.5	1	09/30/20 15:38	10/05/20 11:23	100-02-7	
N-Nitroso-di-n-propylamine	ND	ug/L	12.5	1	09/30/20 15:38	10/05/20 11:23	621-64-7	
N-Nitrosodiphenylamine	ND	ug/L	12.5	1	09/30/20 15:38	10/05/20 11:23	86-30-6	
Pentachlorophenol	ND	ug/L	62.5	1	09/30/20 15:38	10/05/20 11:23	87-86-5	
Phenanthrene	ND	ug/L	12.5	1	09/30/20 15:38	10/05/20 11:23	85-01-8	
Phenol	ND	ug/L	12.5	1	09/30/20 15:38	10/05/20 11:23	108-95-2	
Pyrene	ND	ug/L	12.5	1	09/30/20 15:38	10/05/20 11:23	129-00-0	
Pyridine	ND	ug/L	12.5	1	09/30/20 15:38	10/05/20 11:23	110-86-1	L2
1,2,4-Trichlorobenzene	ND	ug/L	12.5	1	09/30/20 15:38	10/05/20 11:23	120-82-1	
2,4,5-Trichlorophenol	ND	ug/L	62.5	1	09/30/20 15:38	10/05/20 11:23	95-95-4	
2,4,6-Trichlorophenol	ND	ug/L	12.5	1	09/30/20 15:38	10/05/20 11:23	88-06-2	
Surrogates								
Nitrobenzene-d5 (S)	20	%	27-106	1	09/30/20 15:38	10/05/20 11:23	4165-60-0	2e
2-Fluorobiphenyl (S)	22	%	29-108	1	09/30/20 15:38	10/05/20 11:23	321-60-8	2e
Terphenyl-d14 (S)	52	%	34-129	1	09/30/20 15:38	10/05/20 11:23	1718-51-0	
Phenol-d6 (S)	19	%	10-44	1	09/30/20 15:38	10/05/20 11:23	13127-88-3	
2-Fluorophenol (S)	21	%	11-64	1	09/30/20 15:38	10/05/20 11:23	367-12-4	
2,4,6-Tribromophenol (S)	34	%	16-114	1	09/30/20 15:38	10/05/20 11:23	118-79-6	

8260 MSV

Analytical Method: EPA 5030B/8260
Pace Analytical Services - Kansas City

Acetone	13.4	ug/L	10.0	1	09/29/20 11:09	67-64-1	
Benzene	7.1	ug/L	1.0	1	09/29/20 11:09	71-43-2	
Bromobenzene	ND	ug/L	1.0	1	09/29/20 11:09	108-86-1	
Bromochloromethane	ND	ug/L	1.0	1	09/29/20 11:09	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	1	09/29/20 11:09	75-27-4	
Bromoform	ND	ug/L	1.0	1	09/29/20 11:09	75-25-2	
Bromomethane	ND	ug/L	5.0	1	09/29/20 11:09	74-83-9	
2-Butanone (MEK)	ND	ug/L	10.0	1	09/29/20 11:09	78-93-3	
n-Butylbenzene	7.2	ug/L	1.0	1	09/29/20 11:09	104-51-8	
sec-Butylbenzene	5.2	ug/L	1.0	1	09/29/20 11:09	135-98-8	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: PINE LAWN

Pace Project No.: 60349564

Sample: DPT-12-GW-(24-29)		Lab ID: 60349564001	Collected: 09/25/20 08:40	Received: 09/26/20 05:30	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 5030B/8260 Pace Analytical Services - Kansas City						
tert-Butylbenzene	ND	ug/L	1.0	1		09/29/20 11:09	98-06-6	
Carbon disulfide	ND	ug/L	5.0	1		09/29/20 11:09	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	1		09/29/20 11:09	56-23-5	
Chlorobenzene	ND	ug/L	1.0	1		09/29/20 11:09	108-90-7	
Chloroethane	ND	ug/L	1.0	1		09/29/20 11:09	75-00-3	
Chloroform	ND	ug/L	1.0	1		09/29/20 11:09	67-66-3	
Chloromethane	ND	ug/L	1.0	1		09/29/20 11:09	74-87-3	
2-Chlorotoluene	1.0	ug/L	1.0	1		09/29/20 11:09	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	1		09/29/20 11:09	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	2.5	1		09/29/20 11:09	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	1		09/29/20 11:09	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	1		09/29/20 11:09	106-93-4	
Dibromomethane	ND	ug/L	1.0	1		09/29/20 11:09	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	1		09/29/20 11:09	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	1		09/29/20 11:09	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	1		09/29/20 11:09	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	1		09/29/20 11:09	75-71-8	L2
1,1-Dichloroethane	ND	ug/L	1.0	1		09/29/20 11:09	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	1		09/29/20 11:09	107-06-2	
1,2-Dichloroethene (Total)	ND	ug/L	1.0	1		09/29/20 11:09	540-59-0	
1,1-Dichloroethene	ND	ug/L	1.0	1		09/29/20 11:09	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	1		09/29/20 11:09	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		09/29/20 11:09	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	1		09/29/20 11:09	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	1		09/29/20 11:09	142-28-9	
2,2-Dichloropropane	ND	ug/L	1.0	1		09/29/20 11:09	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	1		09/29/20 11:09	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	1.0	1		09/29/20 11:09	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	1		09/29/20 11:09	10061-02-6	
Ethylbenzene	38.4	ug/L	1.0	1		09/29/20 11:09	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	1.0	1		09/29/20 11:09	87-68-3	
2-Hexanone	ND	ug/L	10.0	1		09/29/20 11:09	591-78-6	
Isopropylbenzene (Cumene)	20.8	ug/L	1.0	1		09/29/20 11:09	98-82-8	
p-Isopropyltoluene	4.6	ug/L	1.0	1		09/29/20 11:09	99-87-6	
Methylene Chloride	ND	ug/L	1.0	1		09/29/20 11:09	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	10.0	1		09/29/20 11:09	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	1.0	1		09/29/20 11:09	1634-04-4	
Naphthalene	17.6	ug/L	10.0	1		09/29/20 11:09	91-20-3	
n-Propylbenzene	21.4	ug/L	1.0	1		09/29/20 11:09	103-65-1	
Styrene	ND	ug/L	1.0	1		09/29/20 11:09	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	1		09/29/20 11:09	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	1		09/29/20 11:09	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	1		09/29/20 11:09	127-18-4	
Toluene	5.6	ug/L	1.0	1		09/29/20 11:09	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	1		09/29/20 11:09	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	1		09/29/20 11:09	120-82-1	

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ANALYTICAL RESULTS

Project: PINE LAWN

Pace Project No.: 60349564

Sample: DPT-12-GW-(24-29)		Lab ID: 60349564001	Collected: 09/25/20 08:40	Received: 09/26/20 05:30	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 5030B/8260 Pace Analytical Services - Kansas City						
1,1,1-Trichloroethane	ND	ug/L	1.0	1		09/29/20 11:09	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	1		09/29/20 11:09	79-00-5	
Trichloroethene	ND	ug/L	1.0	1		09/29/20 11:09	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		09/29/20 11:09	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	2.5	1		09/29/20 11:09	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/L	1.0	1		09/29/20 11:09	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	1.0	1		09/29/20 11:09	108-67-8	
Vinyl chloride	ND	ug/L	1.0	1		09/29/20 11:09	75-01-4	
Xylene (Total)	14.0	ug/L	3.0	1		09/29/20 11:09	1330-20-7	
Surrogates								
4-Bromofluorobenzene (S)	100	%	80-120	1		09/29/20 11:09	460-00-4	
1,2-Dichloroethane-d4 (S)	98	%	86-117	1		09/29/20 11:09	17060-07-0	
Toluene-d8 (S)	100	%	80-120	1		09/29/20 11:09	2037-26-5	
Preservation pH	1.0		0.10	1		09/29/20 11:09		
8260 MSV GRO and Oxygenates		Analytical Method: EPA 8260 Pace Analytical Services - Kansas City						
TPH-GRO	2680	ug/L	2500	5		09/30/20 19:11		
Surrogates								
Toluene-d8 (S)	105	%	80-120	5		09/30/20 19:11	2037-26-5	
4-Bromofluorobenzene (S)	95	%	80-120	5		09/30/20 19:11	460-00-4	
1,2-Dichloroethane-d4 (S)	90	%	86-117	5		09/30/20 19:11	17060-07-0	
Preservation pH	1.0		0.10	5		09/30/20 19:11		

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ANALYTICAL RESULTS

Project: PINE LAWN

Pace Project No.: 60349564

Sample: DPT-12-GW-(24-29)-FD		Lab ID: 60349564002	Collected: 09/25/20 08:40		Received: 09/26/20 05:30		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8082 GCS PCB, LV								
Analytical Method: EPA 8082 Preparation Method: EPA 3510								
Pace Analytical Services - Kansas City								
PCB-1016 (Aroclor 1016)	ND	ug/L	1.0	1	10/05/20 13:24	10/05/20 15:54	12674-11-2	
PCB-1221 (Aroclor 1221)	ND	ug/L	1.0	1	10/05/20 13:24	10/05/20 15:54	11104-28-2	
PCB-1232 (Aroclor 1232)	ND	ug/L	1.0	1	10/05/20 13:24	10/05/20 15:54	11141-16-5	
PCB-1242 (Aroclor 1242)	ND	ug/L	1.0	1	10/05/20 13:24	10/05/20 15:54	53469-21-9	
PCB-1248 (Aroclor 1248)	ND	ug/L	1.0	1	10/05/20 13:24	10/05/20 15:54	12672-29-6	
PCB-1254 (Aroclor 1254)	ND	ug/L	1.0	1	10/05/20 13:24	10/05/20 15:54	11097-69-1	
PCB-1260 (Aroclor 1260)	ND	ug/L	1.0	1	10/05/20 13:24	10/05/20 15:54	11096-82-5	
Surrogates								
Decachlorobiphenyl (S)	68	%	30-136	1	10/05/20 13:24	10/05/20 15:54	2051-24-3	
6010 MET ICP								
Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Pace Analytical Services - Kansas City								
Arsenic	101	ug/L	10.0	1	10/06/20 07:00	10/06/20 19:55	7440-38-2	
Barium	12600	ug/L	10.0	2	10/06/20 07:00	10/07/20 14:56	7440-39-3	
Cadmium	7.7	ug/L	5.0	1	10/06/20 07:00	10/06/20 19:55	7440-43-9	
Chromium	519	ug/L	10.0	2	10/06/20 07:00	10/07/20 14:56	7440-47-3	
Lead	480	ug/L	10.0	1	10/06/20 07:00	10/06/20 19:55	7439-92-1	
Selenium	36.1	ug/L	30.0	2	10/06/20 07:00	10/07/20 14:56	7782-49-2	
Silver	ND	ug/L	21.0	3	10/06/20 07:00	10/07/20 15:15	7440-22-4	D3
6010 MET ICP, Dissolved								
Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Pace Analytical Services - Kansas City								
Arsenic, Dissolved	ND	ug/L	10.0	1	10/06/20 07:00	10/06/20 16:57	7440-38-2	
Barium, Dissolved	373	ug/L	5.0	1	10/06/20 07:00	10/06/20 16:57	7440-39-3	
Cadmium, Dissolved	ND	ug/L	5.0	1	10/06/20 07:00	10/06/20 16:57	7440-43-9	
Chromium, Dissolved	ND	ug/L	5.0	1	10/06/20 07:00	10/06/20 16:57	7440-47-3	
Lead, Dissolved	ND	ug/L	10.0	1	10/06/20 07:00	10/06/20 16:57	7439-92-1	
Selenium, Dissolved	ND	ug/L	15.0	1	10/06/20 07:00	10/06/20 16:57	7782-49-2	
Silver, Dissolved	ND	ug/L	7.0	1	10/06/20 07:00	10/06/20 16:57	7440-22-4	
7470 Mercury								
Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Pace Analytical Services - Kansas City								
Mercury	1.9	ug/L	0.20	1	09/29/20 14:13	10/01/20 11:26	7439-97-6	
7470 Mercury, Dissolved								
Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Pace Analytical Services - Kansas City								
Mercury, Dissolved	ND	ug/L	0.20	1	09/29/20 14:13	10/01/20 10:38	7439-97-6	
8270 MSSV DRO/ORO								
Analytical Method: EPA 8270 Preparation Method: EPA 3510C								
Pace Analytical Services - Kansas City								
TPH-ORO	ND	mg/L	1.2	1	09/30/20 23:58	10/08/20 02:39		
TPH-DRO	1.4	mg/L	1.2	1	09/30/20 23:58	10/08/20 02:39		
Surrogates								
Nitrobenzene-d5 (S)	73	%	27-106	1	09/30/20 23:58	10/08/20 02:39	4165-60-0	
2-Fluorobiphenyl (S)	75	%	29-108	1	09/30/20 23:58	10/08/20 02:39	321-60-8	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: PINE LAWN

Pace Project No.: 60349564

Sample: DPT-12-GW-(24-29)-FD		Lab ID: 60349564002		Collected: 09/25/20 08:40		Received: 09/26/20 05:30		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
8270 MSSV DRO/ORO		Analytical Method: EPA 8270 Preparation Method: EPA 3510C Pace Analytical Services - Kansas City							
Surrogates									
Terphenyl-d14 (S)	85	%	34-129	1	09/30/20 23:58	10/08/20 02:39	1718-51-0		
8270 MSSV Semivolatile Organic		Analytical Method: EPA 8270 Preparation Method: EPA 3510 Pace Analytical Services - Kansas City							
Acenaphthene	ND	ug/L	11.1	1	09/30/20 15:38	10/05/20 11:45	83-32-9		
Acenaphthylene	ND	ug/L	11.1	1	09/30/20 15:38	10/05/20 11:45	208-96-8		
Anthracene	ND	ug/L	11.1	1	09/30/20 15:38	10/05/20 11:45	120-12-7		
Benzo(a)anthracene	ND	ug/L	11.1	1	09/30/20 15:38	10/05/20 11:45	56-55-3		
Benzo(a)pyrene	ND	ug/L	11.1	1	09/30/20 15:38	10/05/20 11:45	50-32-8		
Benzo(b)fluoranthene	ND	ug/L	11.1	1	09/30/20 15:38	10/05/20 11:45	205-99-2		
Benzo(g,h,i)perylene	ND	ug/L	11.1	1	09/30/20 15:38	10/05/20 11:45	191-24-2		
Benzo(k)fluoranthene	ND	ug/L	11.1	1	09/30/20 15:38	10/05/20 11:45	207-08-9		
Benzoic Acid	ND	ug/L	55.6	1	09/30/20 15:38	10/05/20 11:45	65-85-0		
Benzyl alcohol	ND	ug/L	22.2	1	09/30/20 15:38	10/05/20 11:45	100-51-6		
4-Bromophenylphenyl ether	ND	ug/L	11.1	1	09/30/20 15:38	10/05/20 11:45	101-55-3		
Butylbenzylphthalate	ND	ug/L	22.2	1	09/30/20 15:38	10/05/20 11:45	85-68-7		
Carbazole	ND	ug/L	11.1	1	09/30/20 15:38	10/05/20 11:45	86-74-8		
4-Chloro-3-methylphenol	ND	ug/L	22.2	1	09/30/20 15:38	10/05/20 11:45	59-50-7		
4-Chloroaniline	ND	ug/L	22.2	1	09/30/20 15:38	10/05/20 11:45	106-47-8		
bis(2-Chloroethoxy)methane	ND	ug/L	11.1	1	09/30/20 15:38	10/05/20 11:45	111-91-1		
bis(2-Chloroethyl) ether	ND	ug/L	11.1	1	09/30/20 15:38	10/05/20 11:45	111-44-4		
bis(2-Chloroisopropyl) ether	ND	ug/L	11.1	1	09/30/20 15:38	10/05/20 11:45	108-60-1		
2-Chloronaphthalene	ND	ug/L	11.1	1	09/30/20 15:38	10/05/20 11:45	91-58-7		
2-Chlorophenol	ND	ug/L	11.1	1	09/30/20 15:38	10/05/20 11:45	95-57-8		
4-Chlorophenylphenyl ether	ND	ug/L	11.1	1	09/30/20 15:38	10/05/20 11:45	7005-72-3		
Chrysene	ND	ug/L	11.1	1	09/30/20 15:38	10/05/20 11:45	218-01-9		
Dibenz(a,h)anthracene	ND	ug/L	11.1	1	09/30/20 15:38	10/05/20 11:45	53-70-3		
Dibenzofuran	ND	ug/L	11.1	1	09/30/20 15:38	10/05/20 11:45	132-64-9		
1,2-Dichlorobenzene	ND	ug/L	11.1	1	09/30/20 15:38	10/05/20 11:45	95-50-1		
1,3-Dichlorobenzene	ND	ug/L	11.1	1	09/30/20 15:38	10/05/20 11:45	541-73-1		
1,4-Dichlorobenzene	ND	ug/L	11.1	1	09/30/20 15:38	10/05/20 11:45	106-46-7		
3,3'-Dichlorobenzidine	ND	ug/L	22.2	1	09/30/20 15:38	10/05/20 11:45	91-94-1		
2,4-Dichlorophenol	ND	ug/L	11.1	1	09/30/20 15:38	10/05/20 11:45	120-83-2		
Diethylphthalate	ND	ug/L	11.1	1	09/30/20 15:38	10/05/20 11:45	84-66-2		
2,4-Dimethylphenol	ND	ug/L	11.1	1	09/30/20 15:38	10/05/20 11:45	105-67-9		
Dimethylphthalate	ND	ug/L	11.1	1	09/30/20 15:38	10/05/20 11:45	131-11-3		
Di-n-butylphthalate	ND	ug/L	11.1	1	09/30/20 15:38	10/05/20 11:45	84-74-2		
4,6-Dinitro-2-methylphenol	ND	ug/L	55.6	1	09/30/20 15:38	10/05/20 11:45	534-52-1		
2,4-Dinitrophenol	ND	ug/L	55.6	1	09/30/20 15:38	10/05/20 11:45	51-28-5		
2,4-Dinitrotoluene	ND	ug/L	11.1	1	09/30/20 15:38	10/05/20 11:45	121-14-2		
2,6-Dinitrotoluene	ND	ug/L	11.1	1	09/30/20 15:38	10/05/20 11:45	606-20-2		
Di-n-octylphthalate	ND	ug/L	11.1	1	09/30/20 15:38	10/05/20 11:45	117-84-0		
bis(2-Ethylhexyl)phthalate	ND	ug/L	22.2	1	09/30/20 15:38	10/05/20 11:45	117-81-7		
Fluoranthene	ND	ug/L	11.1	1	09/30/20 15:38	10/05/20 11:45	206-44-0		
Fluorene	ND	ug/L	11.1	1	09/30/20 15:38	10/05/20 11:45	86-73-7		

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ANALYTICAL RESULTS

Project: PINE LAWN

Pace Project No.: 60349564

Sample: DPT-12-GW-(24-29)-FD		Lab ID: 60349564002		Collected: 09/25/20 08:40		Received: 09/26/20 05:30		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
8270 MSSV Semivolatile Organic	Analytical Method: EPA 8270 Preparation Method: EPA 3510								
	Pace Analytical Services - Kansas City								
Hexachloro-1,3-butadiene	ND	ug/L	11.1	1	09/30/20 15:38	10/05/20 11:45	87-68-3		
Hexachlorobenzene	ND	ug/L	11.1	1	09/30/20 15:38	10/05/20 11:45	118-74-1		
Hexachlorocyclopentadiene	ND	ug/L	11.1	1	09/30/20 15:38	10/05/20 11:45	77-47-4		
Hexachloroethane	ND	ug/L	11.1	1	09/30/20 15:38	10/05/20 11:45	67-72-1		
Indeno(1,2,3-cd)pyrene	ND	ug/L	11.1	1	09/30/20 15:38	10/05/20 11:45	193-39-5		
Isophorone	ND	ug/L	11.1	1	09/30/20 15:38	10/05/20 11:45	78-59-1		
2-Methylnaphthalene	ND	ug/L	11.1	1	09/30/20 15:38	10/05/20 11:45	91-57-6		
2-Methylphenol(o-Cresol)	ND	ug/L	11.1	1	09/30/20 15:38	10/05/20 11:45	95-48-7		
3&4-Methylphenol(m&p Cresol)	ND	ug/L	11.1	1	09/30/20 15:38	10/05/20 11:45	15831-10-4		
Naphthalene	ND	ug/L	11.1	1	09/30/20 15:38	10/05/20 11:45	91-20-3		
2-Nitroaniline	ND	ug/L	55.6	1	09/30/20 15:38	10/05/20 11:45	88-74-4		
3-Nitroaniline	ND	ug/L	55.6	1	09/30/20 15:38	10/05/20 11:45	99-09-2		
4-Nitroaniline	ND	ug/L	55.6	1	09/30/20 15:38	10/05/20 11:45	100-01-6		
Nitrobenzene	ND	ug/L	11.1	1	09/30/20 15:38	10/05/20 11:45	98-95-3		
2-Nitrophenol	ND	ug/L	11.1	1	09/30/20 15:38	10/05/20 11:45	88-75-5		
4-Nitrophenol	ND	ug/L	55.6	1	09/30/20 15:38	10/05/20 11:45	100-02-7		
N-Nitroso-di-n-propylamine	ND	ug/L	11.1	1	09/30/20 15:38	10/05/20 11:45	621-64-7		
N-Nitrosodiphenylamine	ND	ug/L	11.1	1	09/30/20 15:38	10/05/20 11:45	86-30-6		
Pentachlorophenol	ND	ug/L	55.6	1	09/30/20 15:38	10/05/20 11:45	87-86-5		
Phenanthrene	ND	ug/L	11.1	1	09/30/20 15:38	10/05/20 11:45	85-01-8		
Phenol	ND	ug/L	11.1	1	09/30/20 15:38	10/05/20 11:45	108-95-2		
Pyrene	ND	ug/L	11.1	1	09/30/20 15:38	10/05/20 11:45	129-00-0		
Pyridine	ND	ug/L	11.1	1	09/30/20 15:38	10/05/20 11:45	110-86-1	L2	
1,2,4-Trichlorobenzene	ND	ug/L	11.1	1	09/30/20 15:38	10/05/20 11:45	120-82-1		
2,4,5-Trichlorophenol	ND	ug/L	55.6	1	09/30/20 15:38	10/05/20 11:45	95-95-4		
2,4,6-Trichlorophenol	ND	ug/L	11.1	1	09/30/20 15:38	10/05/20 11:45	88-06-2		
Surrogates									
Nitrobenzene-d5 (S)	19	%	27-106	1	09/30/20 15:38	10/05/20 11:45	4165-60-0	2e	
2-Fluorobiphenyl (S)	22	%	29-108	1	09/30/20 15:38	10/05/20 11:45	321-60-8	2e	
Terphenyl-d14 (S)	58	%	34-129	1	09/30/20 15:38	10/05/20 11:45	1718-51-0		
Phenol-d6 (S)	22	%	10-44	1	09/30/20 15:38	10/05/20 11:45	13127-88-3		
2-Fluorophenol (S)	24	%	11-64	1	09/30/20 15:38	10/05/20 11:45	367-12-4		
2,4,6-Tribromophenol (S)	37	%	16-114	1	09/30/20 15:38	10/05/20 11:45	118-79-6		

8260 MSV

Analytical Method: EPA 5030B/8260
Pace Analytical Services - Kansas City

Acetone	ND	ug/L	10.0	1	09/29/20 11:24	67-64-1	
Benzene	6.5	ug/L	1.0	1	09/29/20 11:24	71-43-2	
Bromobenzene	ND	ug/L	1.0	1	09/29/20 11:24	108-86-1	
Bromochloromethane	ND	ug/L	1.0	1	09/29/20 11:24	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	1	09/29/20 11:24	75-27-4	
Bromoform	ND	ug/L	1.0	1	09/29/20 11:24	75-25-2	
Bromomethane	ND	ug/L	5.0	1	09/29/20 11:24	74-83-9	
2-Butanone (MEK)	ND	ug/L	10.0	1	09/29/20 11:24	78-93-3	
n-Butylbenzene	4.3	ug/L	1.0	1	09/29/20 11:24	104-51-8	
sec-Butylbenzene	3.1	ug/L	1.0	1	09/29/20 11:24	135-98-8	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: PINE LAWN

Pace Project No.: 60349564

Sample: DPT-12-GW-(24-29)-FD		Lab ID: 60349564002	Collected: 09/25/20 08:40	Received: 09/26/20 05:30	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 5030B/8260 Pace Analytical Services - Kansas City						
tert-Butylbenzene	ND	ug/L	1.0	1		09/29/20 11:24	98-06-6	
Carbon disulfide	ND	ug/L	5.0	1		09/29/20 11:24	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	1		09/29/20 11:24	56-23-5	
Chlorobenzene	ND	ug/L	1.0	1		09/29/20 11:24	108-90-7	
Chloroethane	ND	ug/L	1.0	1		09/29/20 11:24	75-00-3	
Chloroform	ND	ug/L	1.0	1		09/29/20 11:24	67-66-3	
Chloromethane	ND	ug/L	1.0	1		09/29/20 11:24	74-87-3	
2-Chlorotoluene	ND	ug/L	1.0	1		09/29/20 11:24	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	1		09/29/20 11:24	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	2.5	1		09/29/20 11:24	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	1		09/29/20 11:24	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	1		09/29/20 11:24	106-93-4	
Dibromomethane	ND	ug/L	1.0	1		09/29/20 11:24	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	1		09/29/20 11:24	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	1		09/29/20 11:24	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	1		09/29/20 11:24	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	1		09/29/20 11:24	75-71-8	L2
1,1-Dichloroethane	ND	ug/L	1.0	1		09/29/20 11:24	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	1		09/29/20 11:24	107-06-2	
1,2-Dichloroethene (Total)	ND	ug/L	1.0	1		09/29/20 11:24	540-59-0	
1,1-Dichloroethene	ND	ug/L	1.0	1		09/29/20 11:24	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	1		09/29/20 11:24	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		09/29/20 11:24	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	1		09/29/20 11:24	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	1		09/29/20 11:24	142-28-9	
2,2-Dichloropropane	ND	ug/L	1.0	1		09/29/20 11:24	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	1		09/29/20 11:24	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	1.0	1		09/29/20 11:24	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	1		09/29/20 11:24	10061-02-6	
Ethylbenzene	30.4	ug/L	1.0	1		09/29/20 11:24	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	1.0	1		09/29/20 11:24	87-68-3	
2-Hexanone	ND	ug/L	10.0	1		09/29/20 11:24	591-78-6	
Isopropylbenzene (Cumene)	14.4	ug/L	1.0	1		09/29/20 11:24	98-82-8	
p-Isopropyltoluene	2.6	ug/L	1.0	1		09/29/20 11:24	99-87-6	
Methylene Chloride	ND	ug/L	1.0	1		09/29/20 11:24	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	10.0	1		09/29/20 11:24	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	1.0	1		09/29/20 11:24	1634-04-4	
Naphthalene	14.6	ug/L	10.0	1		09/29/20 11:24	91-20-3	
n-Propylbenzene	13.2	ug/L	1.0	1		09/29/20 11:24	103-65-1	
Styrene	ND	ug/L	1.0	1		09/29/20 11:24	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	1		09/29/20 11:24	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	1		09/29/20 11:24	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	1		09/29/20 11:24	127-18-4	
Toluene	4.8	ug/L	1.0	1		09/29/20 11:24	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	1		09/29/20 11:24	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	1		09/29/20 11:24	120-82-1	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: PINE LAWN

Pace Project No.: 60349564

Sample: DPT-12-GW-(24-29)-FD		Lab ID: 60349564002		Collected: 09/25/20 08:40		Received: 09/26/20 05:30		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
8260 MSV		Analytical Method: EPA 5030B/8260 Pace Analytical Services - Kansas City							
1,1,1-Trichloroethane	ND	ug/L	1.0	1		09/29/20 11:24	71-55-6		
1,1,2-Trichloroethane	ND	ug/L	1.0	1		09/29/20 11:24	79-00-5		
Trichloroethene	ND	ug/L	1.0	1		09/29/20 11:24	79-01-6		
Trichlorofluoromethane	ND	ug/L	1.0	1		09/29/20 11:24	75-69-4		
1,2,3-Trichloropropane	ND	ug/L	2.5	1		09/29/20 11:24	96-18-4		
1,2,4-Trimethylbenzene	ND	ug/L	1.0	1		09/29/20 11:24	95-63-6		
1,3,5-Trimethylbenzene	ND	ug/L	1.0	1		09/29/20 11:24	108-67-8		
Vinyl chloride	ND	ug/L	1.0	1		09/29/20 11:24	75-01-4		
Xylene (Total)	10.9	ug/L	3.0	1		09/29/20 11:24	1330-20-7		
Surrogates									
4-Bromofluorobenzene (S)	101	%	80-120	1		09/29/20 11:24	460-00-4		
1,2-Dichloroethane-d4 (S)	97	%	86-117	1		09/29/20 11:24	17060-07-0		
Toluene-d8 (S)	100	%	80-120	1		09/29/20 11:24	2037-26-5		
Preservation pH	1.0		0.10	1		09/29/20 11:24			
8260 MSV GRO and Oxygenates		Analytical Method: EPA 8260 Pace Analytical Services - Kansas City							
TPH-GRO	2490	ug/L	500	1		09/30/20 19:26			
Surrogates									
Toluene-d8 (S)	102	%	80-120	1		09/30/20 19:26	2037-26-5		
4-Bromofluorobenzene (S)	94	%	80-120	1		09/30/20 19:26	460-00-4		
1,2-Dichloroethane-d4 (S)	91	%	86-117	1		09/30/20 19:26	17060-07-0		
Preservation pH	1.0		0.10	1		09/30/20 19:26			

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ANALYTICAL RESULTS

Project: PINE LAWN

Pace Project No.: 60349564

Sample: PINE LAWN-FB5 Lab ID: 60349564003 Collected: 09/25/20 10:15 Received: 09/26/20 05:30 Matrix: Water								
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8082 GCS PCB, LV								
Analytical Method: EPA 8082 Preparation Method: EPA 3510								
Pace Analytical Services - Kansas City								
PCB-1016 (Aroclor 1016)	ND	ug/L	1.0	1	10/05/20 13:24	10/05/20 16:01	12674-11-2	
PCB-1221 (Aroclor 1221)	ND	ug/L	1.0	1	10/05/20 13:24	10/05/20 16:01	11104-28-2	
PCB-1232 (Aroclor 1232)	ND	ug/L	1.0	1	10/05/20 13:24	10/05/20 16:01	11141-16-5	
PCB-1242 (Aroclor 1242)	ND	ug/L	1.0	1	10/05/20 13:24	10/05/20 16:01	53469-21-9	
PCB-1248 (Aroclor 1248)	ND	ug/L	1.0	1	10/05/20 13:24	10/05/20 16:01	12672-29-6	
PCB-1254 (Aroclor 1254)	ND	ug/L	1.0	1	10/05/20 13:24	10/05/20 16:01	11097-69-1	
PCB-1260 (Aroclor 1260)	ND	ug/L	1.0	1	10/05/20 13:24	10/05/20 16:01	11096-82-5	
Surrogates								
Decachlorobiphenyl (S)	74	%	30-136	1	10/05/20 13:24	10/05/20 16:01	2051-24-3	
6010 MET ICP								
Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Pace Analytical Services - Kansas City								
Arsenic	ND	ug/L	10.0	1	10/06/20 07:00	10/06/20 19:57	7440-38-2	
Barium	ND	ug/L	5.0	1	10/06/20 07:00	10/06/20 19:57	7440-39-3	
Cadmium	ND	ug/L	5.0	1	10/06/20 07:00	10/06/20 19:57	7440-43-9	
Chromium	ND	ug/L	5.0	1	10/06/20 07:00	10/06/20 19:57	7440-47-3	
Lead	ND	ug/L	10.0	1	10/06/20 07:00	10/06/20 19:57	7439-92-1	
Selenium	ND	ug/L	15.0	1	10/06/20 07:00	10/06/20 19:57	7782-49-2	
Silver	ND	ug/L	7.0	1	10/06/20 07:00	10/06/20 19:57	7440-22-4	
6010 MET ICP, Dissolved								
Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Pace Analytical Services - Kansas City								
Arsenic, Dissolved	ND	ug/L	10.0	1	10/06/20 07:00	10/06/20 17:00	7440-38-2	
Barium, Dissolved	ND	ug/L	5.0	1	10/06/20 07:00	10/06/20 17:00	7440-39-3	
Cadmium, Dissolved	ND	ug/L	5.0	1	10/06/20 07:00	10/06/20 17:00	7440-43-9	
Chromium, Dissolved	ND	ug/L	5.0	1	10/06/20 07:00	10/06/20 17:00	7440-47-3	
Lead, Dissolved	ND	ug/L	10.0	1	10/06/20 07:00	10/06/20 17:00	7439-92-1	
Selenium, Dissolved	ND	ug/L	15.0	1	10/06/20 07:00	10/06/20 17:00	7782-49-2	
Silver, Dissolved	ND	ug/L	7.0	1	10/06/20 07:00	10/06/20 17:00	7440-22-4	
7470 Mercury								
Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Pace Analytical Services - Kansas City								
Mercury	ND	ug/L	0.20	1	09/29/20 14:13	10/01/20 11:28	7439-97-6	
7470 Mercury, Dissolved								
Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Pace Analytical Services - Kansas City								
Mercury, Dissolved	ND	ug/L	0.20	1	09/29/20 14:13	10/01/20 10:40	7439-97-6	
8270 MSSV DRO/ORO								
Analytical Method: EPA 8270 Preparation Method: EPA 3510C								
Pace Analytical Services - Kansas City								
TPH-ORO	ND	mg/L	1.0	1	09/30/20 23:58	10/08/20 02:59		
TPH-DRO	ND	mg/L	1.0	1	09/30/20 23:58	10/08/20 02:59		
Surrogates								
Nitrobenzene-d5 (S)	72	%	27-106	1	09/30/20 23:58	10/08/20 02:59	4165-60-0	
2-Fluorobiphenyl (S)	74	%	29-108	1	09/30/20 23:58	10/08/20 02:59	321-60-8	

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ANALYTICAL RESULTS

Project: PINE LAWN

Pace Project No.: 60349564

Sample: PINE LAWN-FB5		Lab ID: 60349564003		Collected: 09/25/20 10:15		Received: 09/26/20 05:30		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
8270 MSSV DRO/ORO		Analytical Method: EPA 8270 Preparation Method: EPA 3510C Pace Analytical Services - Kansas City							
Surrogates									
Terphenyl-d14 (S)	74	%	34-129	1	09/30/20 23:58	10/08/20 02:59	1718-51-0		
8270 MSSV Semivolatile Organic		Analytical Method: EPA 8270 Preparation Method: EPA 3510 Pace Analytical Services - Kansas City							
Acenaphthene	ND	ug/L	9.5	1	09/30/20 15:38	10/05/20 12:08	83-32-9		
Acenaphthylene	ND	ug/L	9.5	1	09/30/20 15:38	10/05/20 12:08	208-96-8		
Anthracene	ND	ug/L	9.5	1	09/30/20 15:38	10/05/20 12:08	120-12-7		
Benzo(a)anthracene	ND	ug/L	9.5	1	09/30/20 15:38	10/05/20 12:08	56-55-3		
Benzo(a)pyrene	ND	ug/L	9.5	1	09/30/20 15:38	10/05/20 12:08	50-32-8		
Benzo(b)fluoranthene	ND	ug/L	9.5	1	09/30/20 15:38	10/05/20 12:08	205-99-2		
Benzo(g,h,i)perylene	ND	ug/L	9.5	1	09/30/20 15:38	10/05/20 12:08	191-24-2		
Benzo(k)fluoranthene	ND	ug/L	9.5	1	09/30/20 15:38	10/05/20 12:08	207-08-9		
Benzoic Acid	ND	ug/L	47.6	1	09/30/20 15:38	10/05/20 12:08	65-85-0		
Benzyl alcohol	ND	ug/L	19.0	1	09/30/20 15:38	10/05/20 12:08	100-51-6		
4-Bromophenylphenyl ether	ND	ug/L	9.5	1	09/30/20 15:38	10/05/20 12:08	101-55-3		
Butylbenzylphthalate	ND	ug/L	19.0	1	09/30/20 15:38	10/05/20 12:08	85-68-7		
Carbazole	ND	ug/L	9.5	1	09/30/20 15:38	10/05/20 12:08	86-74-8		
4-Chloro-3-methylphenol	ND	ug/L	19.0	1	09/30/20 15:38	10/05/20 12:08	59-50-7		
4-Chloroaniline	ND	ug/L	19.0	1	09/30/20 15:38	10/05/20 12:08	106-47-8		
bis(2-Chloroethoxy)methane	ND	ug/L	9.5	1	09/30/20 15:38	10/05/20 12:08	111-91-1		
bis(2-Chloroethyl) ether	ND	ug/L	9.5	1	09/30/20 15:38	10/05/20 12:08	111-44-4		
bis(2-Chloroisopropyl) ether	ND	ug/L	9.5	1	09/30/20 15:38	10/05/20 12:08	108-60-1		
2-Chloronaphthalene	ND	ug/L	9.5	1	09/30/20 15:38	10/05/20 12:08	91-58-7		
2-Chlorophenol	ND	ug/L	9.5	1	09/30/20 15:38	10/05/20 12:08	95-57-8		
4-Chlorophenylphenyl ether	ND	ug/L	9.5	1	09/30/20 15:38	10/05/20 12:08	7005-72-3		
Chrysene	ND	ug/L	9.5	1	09/30/20 15:38	10/05/20 12:08	218-01-9		
Dibenz(a,h)anthracene	ND	ug/L	9.5	1	09/30/20 15:38	10/05/20 12:08	53-70-3		
Dibenzofuran	ND	ug/L	9.5	1	09/30/20 15:38	10/05/20 12:08	132-64-9		
1,2-Dichlorobenzene	ND	ug/L	9.5	1	09/30/20 15:38	10/05/20 12:08	95-50-1		
1,3-Dichlorobenzene	ND	ug/L	9.5	1	09/30/20 15:38	10/05/20 12:08	541-73-1		
1,4-Dichlorobenzene	ND	ug/L	9.5	1	09/30/20 15:38	10/05/20 12:08	106-46-7		
3,3'-Dichlorobenzidine	ND	ug/L	19.0	1	09/30/20 15:38	10/05/20 12:08	91-94-1		
2,4-Dichlorophenol	ND	ug/L	9.5	1	09/30/20 15:38	10/05/20 12:08	120-83-2		
Diethylphthalate	ND	ug/L	9.5	1	09/30/20 15:38	10/05/20 12:08	84-66-2		
2,4-Dimethylphenol	ND	ug/L	9.5	1	09/30/20 15:38	10/05/20 12:08	105-67-9		
Dimethylphthalate	ND	ug/L	9.5	1	09/30/20 15:38	10/05/20 12:08	131-11-3		
Di-n-butylphthalate	ND	ug/L	9.5	1	09/30/20 15:38	10/05/20 12:08	84-74-2		
4,6-Dinitro-2-methylphenol	ND	ug/L	47.6	1	09/30/20 15:38	10/05/20 12:08	534-52-1		
2,4-Dinitrophenol	ND	ug/L	47.6	1	09/30/20 15:38	10/05/20 12:08	51-28-5		
2,4-Dinitrotoluene	ND	ug/L	9.5	1	09/30/20 15:38	10/05/20 12:08	121-14-2		
2,6-Dinitrotoluene	ND	ug/L	9.5	1	09/30/20 15:38	10/05/20 12:08	606-20-2		
Di-n-octylphthalate	ND	ug/L	9.5	1	09/30/20 15:38	10/05/20 12:08	117-84-0		
bis(2-Ethylhexyl)phthalate	ND	ug/L	19.0	1	09/30/20 15:38	10/05/20 12:08	117-81-7		
Fluoranthene	ND	ug/L	9.5	1	09/30/20 15:38	10/05/20 12:08	206-44-0		
Fluorene	ND	ug/L	9.5	1	09/30/20 15:38	10/05/20 12:08	86-73-7		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: PINE LAWN

Pace Project No.: 60349564

Sample: PINE LAWN-FB5		Lab ID: 60349564003		Collected: 09/25/20 10:15		Received: 09/26/20 05:30		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
8270 MSSV Semivolatile Organic									
Analytical Method: EPA 8270 Preparation Method: EPA 3510									
Pace Analytical Services - Kansas City									
Hexachloro-1,3-butadiene	ND	ug/L	9.5	1	09/30/20 15:38	10/05/20 12:08	87-68-3	L2	
Hexachlorobenzene	ND	ug/L	9.5	1	09/30/20 15:38	10/05/20 12:08	118-74-1		
Hexachlorocyclopentadiene	ND	ug/L	9.5	1	09/30/20 15:38	10/05/20 12:08	77-47-4		
Hexachloroethane	ND	ug/L	9.5	1	09/30/20 15:38	10/05/20 12:08	67-72-1		
Indeno(1,2,3-cd)pyrene	ND	ug/L	9.5	1	09/30/20 15:38	10/05/20 12:08	193-39-5		
Isophorone	ND	ug/L	9.5	1	09/30/20 15:38	10/05/20 12:08	78-59-1		
2-Methylnaphthalene	ND	ug/L	9.5	1	09/30/20 15:38	10/05/20 12:08	91-57-6		
2-Methylphenol(o-Cresol)	ND	ug/L	9.5	1	09/30/20 15:38	10/05/20 12:08	95-48-7		
3&4-Methylphenol(m&p Cresol)	ND	ug/L	9.5	1	09/30/20 15:38	10/05/20 12:08	15831-10-4		
Naphthalene	ND	ug/L	9.5	1	09/30/20 15:38	10/05/20 12:08	91-20-3		
2-Nitroaniline	ND	ug/L	47.6	1	09/30/20 15:38	10/05/20 12:08	88-74-4		
3-Nitroaniline	ND	ug/L	47.6	1	09/30/20 15:38	10/05/20 12:08	99-09-2		
4-Nitroaniline	ND	ug/L	47.6	1	09/30/20 15:38	10/05/20 12:08	100-01-6		
Nitrobenzene	ND	ug/L	9.5	1	09/30/20 15:38	10/05/20 12:08	98-95-3		
2-Nitrophenol	ND	ug/L	9.5	1	09/30/20 15:38	10/05/20 12:08	88-75-5		
4-Nitrophenol	ND	ug/L	47.6	1	09/30/20 15:38	10/05/20 12:08	100-02-7		
N-Nitroso-di-n-propylamine	ND	ug/L	9.5	1	09/30/20 15:38	10/05/20 12:08	621-64-7		
N-Nitrosodiphenylamine	ND	ug/L	9.5	1	09/30/20 15:38	10/05/20 12:08	86-30-6		
Pentachlorophenol	ND	ug/L	47.6	1	09/30/20 15:38	10/05/20 12:08	87-86-5		
Phenanthrene	ND	ug/L	9.5	1	09/30/20 15:38	10/05/20 12:08	85-01-8		
Phenol	ND	ug/L	9.5	1	09/30/20 15:38	10/05/20 12:08	108-95-2		
Pyrene	ND	ug/L	9.5	1	09/30/20 15:38	10/05/20 12:08	129-00-0		
Pyridine	ND	ug/L	9.5	1	09/30/20 15:38	10/05/20 12:08	110-86-1		
1,2,4-Trichlorobenzene	ND	ug/L	9.5	1	09/30/20 15:38	10/05/20 12:08	120-82-1		
2,4,5-Trichlorophenol	ND	ug/L	47.6	1	09/30/20 15:38	10/05/20 12:08	95-95-4		
2,4,6-Trichlorophenol	ND	ug/L	9.5	1	09/30/20 15:38	10/05/20 12:08	88-06-2		
Surrogates									
Nitrobenzene-d5 (S)	38	%	27-106	1	09/30/20 15:38	10/05/20 12:08	4165-60-0		
2-Fluorobiphenyl (S)	39	%	29-108	1	09/30/20 15:38	10/05/20 12:08	321-60-8		
Terphenyl-d14 (S)	72	%	34-129	1	09/30/20 15:38	10/05/20 12:08	1718-51-0		
Phenol-d6 (S)	27	%	10-44	1	09/30/20 15:38	10/05/20 12:08	13127-88-3		
2-Fluorophenol (S)	32	%	11-64	1	09/30/20 15:38	10/05/20 12:08	367-12-4		
2,4,6-Tribromophenol (S)	48	%	16-114	1	09/30/20 15:38	10/05/20 12:08	118-79-6		
8260 MSV									
Analytical Method: EPA 5030B/8260									
Pace Analytical Services - Kansas City									
Acetone	ND	ug/L	10.0	1		09/29/20 11:39	67-64-1		
Benzene	ND	ug/L	1.0	1		09/29/20 11:39	71-43-2		
Bromobenzene	ND	ug/L	1.0	1		09/29/20 11:39	108-86-1		
Bromochloromethane	ND	ug/L	1.0	1		09/29/20 11:39	74-97-5		
Bromodichloromethane	ND	ug/L	1.0	1		09/29/20 11:39	75-27-4		
Bromoform	ND	ug/L	1.0	1		09/29/20 11:39	75-25-2		
Bromomethane	ND	ug/L	5.0	1		09/29/20 11:39	74-83-9		
2-Butanone (MEK)	ND	ug/L	10.0	1		09/29/20 11:39	78-93-3		
n-Butylbenzene	ND	ug/L	1.0	1		09/29/20 11:39	104-51-8		
sec-Butylbenzene	ND	ug/L	1.0	1		09/29/20 11:39	135-98-8		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: PINE LAWN

Pace Project No.: 60349564

Sample: PINE LAWN-FB5		Lab ID: 60349564003	Collected: 09/25/20 10:15	Received: 09/26/20 05:30	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 5030B/8260 Pace Analytical Services - Kansas City						
tert-Butylbenzene	ND	ug/L	1.0	1		09/29/20 11:39	98-06-6	
Carbon disulfide	ND	ug/L	5.0	1		09/29/20 11:39	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	1		09/29/20 11:39	56-23-5	
Chlorobenzene	ND	ug/L	1.0	1		09/29/20 11:39	108-90-7	
Chloroethane	ND	ug/L	1.0	1		09/29/20 11:39	75-00-3	
Chloroform	ND	ug/L	1.0	1		09/29/20 11:39	67-66-3	
Chloromethane	ND	ug/L	1.0	1		09/29/20 11:39	74-87-3	
2-Chlorotoluene	ND	ug/L	1.0	1		09/29/20 11:39	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	1		09/29/20 11:39	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	2.5	1		09/29/20 11:39	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	1		09/29/20 11:39	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	1		09/29/20 11:39	106-93-4	
Dibromomethane	ND	ug/L	1.0	1		09/29/20 11:39	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	1		09/29/20 11:39	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	1		09/29/20 11:39	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	1		09/29/20 11:39	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	1		09/29/20 11:39	75-71-8	L2
1,1-Dichloroethane	ND	ug/L	1.0	1		09/29/20 11:39	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	1		09/29/20 11:39	107-06-2	
1,2-Dichloroethene (Total)	ND	ug/L	1.0	1		09/29/20 11:39	540-59-0	
1,1-Dichloroethene	ND	ug/L	1.0	1		09/29/20 11:39	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	1		09/29/20 11:39	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		09/29/20 11:39	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	1		09/29/20 11:39	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	1		09/29/20 11:39	142-28-9	
2,2-Dichloropropane	ND	ug/L	1.0	1		09/29/20 11:39	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	1		09/29/20 11:39	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	1.0	1		09/29/20 11:39	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	1		09/29/20 11:39	10061-02-6	
Ethylbenzene	ND	ug/L	1.0	1		09/29/20 11:39	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	1.0	1		09/29/20 11:39	87-68-3	
2-Hexanone	ND	ug/L	10.0	1		09/29/20 11:39	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	1.0	1		09/29/20 11:39	98-82-8	
p-Isopropyltoluene	ND	ug/L	1.0	1		09/29/20 11:39	99-87-6	
Methylene Chloride	ND	ug/L	1.0	1		09/29/20 11:39	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	10.0	1		09/29/20 11:39	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	1.0	1		09/29/20 11:39	1634-04-4	
Naphthalene	ND	ug/L	10.0	1		09/29/20 11:39	91-20-3	
n-Propylbenzene	ND	ug/L	1.0	1		09/29/20 11:39	103-65-1	
Styrene	ND	ug/L	1.0	1		09/29/20 11:39	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	1		09/29/20 11:39	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	1		09/29/20 11:39	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	1		09/29/20 11:39	127-18-4	
Toluene	ND	ug/L	1.0	1		09/29/20 11:39	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	1		09/29/20 11:39	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	1		09/29/20 11:39	120-82-1	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: PINE LAWN
Pace Project No.: 60349564

Sample: PINE LAWN-FB5		Lab ID: 60349564003	Collected: 09/25/20 10:15	Received: 09/26/20 05:30	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 5030B/8260 Pace Analytical Services - Kansas City						
1,1,1-Trichloroethane	ND	ug/L	1.0	1		09/29/20 11:39	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	1		09/29/20 11:39	79-00-5	
Trichloroethene	ND	ug/L	1.0	1		09/29/20 11:39	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		09/29/20 11:39	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	2.5	1		09/29/20 11:39	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/L	1.0	1		09/29/20 11:39	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	1.0	1		09/29/20 11:39	108-67-8	
Vinyl chloride	ND	ug/L	1.0	1		09/29/20 11:39	75-01-4	
Xylene (Total)	ND	ug/L	3.0	1		09/29/20 11:39	1330-20-7	
Surrogates								
4-Bromofluorobenzene (S)	100	%	80-120	1		09/29/20 11:39	460-00-4	
1,2-Dichloroethane-d4 (S)	97	%	86-117	1		09/29/20 11:39	17060-07-0	
Toluene-d8 (S)	101	%	80-120	1		09/29/20 11:39	2037-26-5	
Preservation pH	1.0		0.10	1		09/29/20 11:39		
8260 MSV GRO and Oxygenates		Analytical Method: EPA 8260 Pace Analytical Services - Kansas City						
TPH-GRO	ND	ug/L	500	1		09/30/20 19:41		
Surrogates								
Toluene-d8 (S)	102	%	80-120	1		09/30/20 19:41	2037-26-5	
4-Bromofluorobenzene (S)	93	%	80-120	1		09/30/20 19:41	460-00-4	
1,2-Dichloroethane-d4 (S)	89	%	86-117	1		09/30/20 19:41	17060-07-0	
Preservation pH	1.0		0.10	1		09/30/20 19:41		

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ANALYTICAL RESULTS

Project: PINE LAWN

Pace Project No.: 60349564

Sample: DPT-20-GW-(25-30)		Lab ID: 60349564004		Collected: 09/25/20 10:49		Received: 09/26/20 05:30		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
8082 GCS PCB, LV									
Analytical Method: EPA 8082 Preparation Method: EPA 3510									
Pace Analytical Services - Kansas City									
PCB-1016 (Aroclor 1016)	ND	ug/L	0.95	1	10/05/20 13:24	10/05/20 16:08	12674-11-2		
PCB-1221 (Aroclor 1221)	ND	ug/L	0.95	1	10/05/20 13:24	10/05/20 16:08	11104-28-2		
PCB-1232 (Aroclor 1232)	ND	ug/L	0.95	1	10/05/20 13:24	10/05/20 16:08	11141-16-5		
PCB-1242 (Aroclor 1242)	ND	ug/L	0.95	1	10/05/20 13:24	10/05/20 16:08	53469-21-9		
PCB-1248 (Aroclor 1248)	ND	ug/L	0.95	1	10/05/20 13:24	10/05/20 16:08	12672-29-6		
PCB-1254 (Aroclor 1254)	ND	ug/L	0.95	1	10/05/20 13:24	10/05/20 16:08	11097-69-1		
PCB-1260 (Aroclor 1260)	ND	ug/L	0.95	1	10/05/20 13:24	10/05/20 16:08	11096-82-5		
Surrogates									
Decachlorobiphenyl (S)	85	%	30-136	1	10/05/20 13:24	10/05/20 16:08	2051-24-3		
6010 MET ICP									
Analytical Method: EPA 6010 Preparation Method: EPA 3010									
Pace Analytical Services - Kansas City									
Arsenic	46.2	ug/L	10.0	1	10/06/20 07:00	10/06/20 20:00	7440-38-2		
Barium	1820	ug/L	5.0	1	10/06/20 07:00	10/06/20 20:00	7440-39-3		
Cadmium	ND	ug/L	5.0	1	10/06/20 07:00	10/06/20 20:00	7440-43-9		
Chromium	227	ug/L	5.0	1	10/06/20 07:00	10/06/20 20:00	7440-47-3		
Lead	178	ug/L	10.0	1	10/06/20 07:00	10/06/20 20:00	7439-92-1		
Selenium	ND	ug/L	15.0	1	10/06/20 07:00	10/06/20 20:00	7782-49-2		
Silver	ND	ug/L	14.0	2	10/06/20 07:00	10/08/20 07:54	7440-22-4	D3	
6010 MET ICP, Dissolved									
Analytical Method: EPA 6010 Preparation Method: EPA 3010									
Pace Analytical Services - Kansas City									
Arsenic, Dissolved	ND	ug/L	10.0	1	10/06/20 07:00	10/06/20 17:02	7440-38-2		
Barium, Dissolved	493	ug/L	5.0	1	10/06/20 07:00	10/06/20 17:02	7440-39-3		
Cadmium, Dissolved	ND	ug/L	5.0	1	10/06/20 07:00	10/06/20 17:02	7440-43-9		
Chromium, Dissolved	ND	ug/L	5.0	1	10/06/20 07:00	10/06/20 17:02	7440-47-3		
Lead, Dissolved	ND	ug/L	10.0	1	10/06/20 07:00	10/06/20 17:02	7439-92-1		
Selenium, Dissolved	ND	ug/L	15.0	1	10/06/20 07:00	10/06/20 17:02	7782-49-2		
Silver, Dissolved	ND	ug/L	7.0	1	10/06/20 07:00	10/06/20 17:02	7440-22-4		
7470 Mercury									
Analytical Method: EPA 7470 Preparation Method: EPA 7470									
Pace Analytical Services - Kansas City									
Mercury	0.47	ug/L	0.20	1	09/29/20 14:13	10/01/20 11:31	7439-97-6		
7470 Mercury, Dissolved									
Analytical Method: EPA 7470 Preparation Method: EPA 7470									
Pace Analytical Services - Kansas City									
Mercury, Dissolved	ND	ug/L	0.20	1	09/29/20 14:13	10/01/20 10:43	7439-97-6		
8270 MSSV DRO/ORO									
Analytical Method: EPA 8270 Preparation Method: EPA 3510C									
Pace Analytical Services - Kansas City									
TPH-ORO	ND	mg/L	1.1	1	09/30/20 23:58	10/08/20 03:19			
TPH-DRO	ND	mg/L	1.1	1	09/30/20 23:58	10/08/20 03:19			
Surrogates									
Nitrobenzene-d5 (S)	69	%	27-106	1	09/30/20 23:58	10/08/20 03:19	4165-60-0		
2-Fluorobiphenyl (S)	71	%	29-108	1	09/30/20 23:58	10/08/20 03:19	321-60-8		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: PINE LAWN

Pace Project No.: 60349564

Sample: DPT-20-GW-(25-30)		Lab ID: 60349564004		Collected: 09/25/20 10:49		Received: 09/26/20 05:30		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
8270 MSSV DRO/ORO		Analytical Method: EPA 8270 Preparation Method: EPA 3510C Pace Analytical Services - Kansas City							
Surrogates									
Terphenyl-d14 (S)	78	%	34-129	1	09/30/20 23:58	10/08/20 03:19	1718-51-0		
8270 MSSV Semivolatile Organic		Analytical Method: EPA 8270 Preparation Method: EPA 3510 Pace Analytical Services - Kansas City							
Acenaphthene	ND	ug/L	9.5	1	09/30/20 15:38	10/05/20 12:31	83-32-9		
Acenaphthylene	ND	ug/L	9.5	1	09/30/20 15:38	10/05/20 12:31	208-96-8		
Anthracene	ND	ug/L	9.5	1	09/30/20 15:38	10/05/20 12:31	120-12-7		
Benzo(a)anthracene	ND	ug/L	9.5	1	09/30/20 15:38	10/05/20 12:31	56-55-3		
Benzo(a)pyrene	ND	ug/L	9.5	1	09/30/20 15:38	10/05/20 12:31	50-32-8		
Benzo(b)fluoranthene	ND	ug/L	9.5	1	09/30/20 15:38	10/05/20 12:31	205-99-2		
Benzo(g,h,i)perylene	ND	ug/L	9.5	1	09/30/20 15:38	10/05/20 12:31	191-24-2		
Benzo(k)fluoranthene	ND	ug/L	9.5	1	09/30/20 15:38	10/05/20 12:31	207-08-9		
Benzoic Acid	ND	ug/L	47.6	1	09/30/20 15:38	10/05/20 12:31	65-85-0		
Benzyl alcohol	ND	ug/L	19.0	1	09/30/20 15:38	10/05/20 12:31	100-51-6		
4-Bromophenylphenyl ether	ND	ug/L	9.5	1	09/30/20 15:38	10/05/20 12:31	101-55-3		
Butylbenzylphthalate	ND	ug/L	19.0	1	09/30/20 15:38	10/05/20 12:31	85-68-7		
Carbazole	ND	ug/L	9.5	1	09/30/20 15:38	10/05/20 12:31	86-74-8		
4-Chloro-3-methylphenol	ND	ug/L	19.0	1	09/30/20 15:38	10/05/20 12:31	59-50-7		
4-Chloroaniline	ND	ug/L	19.0	1	09/30/20 15:38	10/05/20 12:31	106-47-8		
bis(2-Chloroethoxy)methane	ND	ug/L	9.5	1	09/30/20 15:38	10/05/20 12:31	111-91-1		
bis(2-Chloroethyl) ether	ND	ug/L	9.5	1	09/30/20 15:38	10/05/20 12:31	111-44-4		
bis(2-Chloroisopropyl) ether	ND	ug/L	9.5	1	09/30/20 15:38	10/05/20 12:31	108-60-1		
2-Chloronaphthalene	ND	ug/L	9.5	1	09/30/20 15:38	10/05/20 12:31	91-58-7		
2-Chlorophenol	ND	ug/L	9.5	1	09/30/20 15:38	10/05/20 12:31	95-57-8		
4-Chlorophenylphenyl ether	ND	ug/L	9.5	1	09/30/20 15:38	10/05/20 12:31	7005-72-3		
Chrysene	ND	ug/L	9.5	1	09/30/20 15:38	10/05/20 12:31	218-01-9		
Dibenz(a,h)anthracene	ND	ug/L	9.5	1	09/30/20 15:38	10/05/20 12:31	53-70-3		
Dibenzofuran	ND	ug/L	9.5	1	09/30/20 15:38	10/05/20 12:31	132-64-9		
1,2-Dichlorobenzene	ND	ug/L	9.5	1	09/30/20 15:38	10/05/20 12:31	95-50-1		
1,3-Dichlorobenzene	ND	ug/L	9.5	1	09/30/20 15:38	10/05/20 12:31	541-73-1		
1,4-Dichlorobenzene	ND	ug/L	9.5	1	09/30/20 15:38	10/05/20 12:31	106-46-7		
3,3'-Dichlorobenzidine	ND	ug/L	19.0	1	09/30/20 15:38	10/05/20 12:31	91-94-1		
2,4-Dichlorophenol	ND	ug/L	9.5	1	09/30/20 15:38	10/05/20 12:31	120-83-2		
Diethylphthalate	ND	ug/L	9.5	1	09/30/20 15:38	10/05/20 12:31	84-66-2		
2,4-Dimethylphenol	ND	ug/L	9.5	1	09/30/20 15:38	10/05/20 12:31	105-67-9		
Dimethylphthalate	ND	ug/L	9.5	1	09/30/20 15:38	10/05/20 12:31	131-11-3		
Di-n-butylphthalate	ND	ug/L	9.5	1	09/30/20 15:38	10/05/20 12:31	84-74-2		
4,6-Dinitro-2-methylphenol	ND	ug/L	47.6	1	09/30/20 15:38	10/05/20 12:31	534-52-1		
2,4-Dinitrophenol	ND	ug/L	47.6	1	09/30/20 15:38	10/05/20 12:31	51-28-5		
2,4-Dinitrotoluene	ND	ug/L	9.5	1	09/30/20 15:38	10/05/20 12:31	121-14-2		
2,6-Dinitrotoluene	ND	ug/L	9.5	1	09/30/20 15:38	10/05/20 12:31	606-20-2		
Di-n-octylphthalate	ND	ug/L	9.5	1	09/30/20 15:38	10/05/20 12:31	117-84-0		
bis(2-Ethylhexyl)phthalate	ND	ug/L	19.0	1	09/30/20 15:38	10/05/20 12:31	117-81-7		
Fluoranthene	ND	ug/L	9.5	1	09/30/20 15:38	10/05/20 12:31	206-44-0		
Fluorene	ND	ug/L	9.5	1	09/30/20 15:38	10/05/20 12:31	86-73-7		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: PINE LAWN

Pace Project No.: 60349564

Sample: DPT-20-GW-(25-30)		Lab ID: 60349564004		Collected: 09/25/20 10:49		Received: 09/26/20 05:30		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
8270 MSSV Semivolatile Organic									
Analytical Method: EPA 8270 Preparation Method: EPA 3510									
Pace Analytical Services - Kansas City									
Hexachloro-1,3-butadiene	ND	ug/L	9.5	1	09/30/20 15:38	10/05/20 12:31	87-68-3	L2	
Hexachlorobenzene	ND	ug/L	9.5	1	09/30/20 15:38	10/05/20 12:31	118-74-1		
Hexachlorocyclopentadiene	ND	ug/L	9.5	1	09/30/20 15:38	10/05/20 12:31	77-47-4		
Hexachloroethane	ND	ug/L	9.5	1	09/30/20 15:38	10/05/20 12:31	67-72-1		
Indeno(1,2,3-cd)pyrene	ND	ug/L	9.5	1	09/30/20 15:38	10/05/20 12:31	193-39-5		
Isophorone	ND	ug/L	9.5	1	09/30/20 15:38	10/05/20 12:31	78-59-1		
2-Methylnaphthalene	ND	ug/L	9.5	1	09/30/20 15:38	10/05/20 12:31	91-57-6		
2-Methylphenol(o-Cresol)	ND	ug/L	9.5	1	09/30/20 15:38	10/05/20 12:31	95-48-7		
3&4-Methylphenol(m&p Cresol)	ND	ug/L	9.5	1	09/30/20 15:38	10/05/20 12:31	15831-10-4		
Naphthalene	ND	ug/L	9.5	1	09/30/20 15:38	10/05/20 12:31	91-20-3		
2-Nitroaniline	ND	ug/L	47.6	1	09/30/20 15:38	10/05/20 12:31	88-74-4		
3-Nitroaniline	ND	ug/L	47.6	1	09/30/20 15:38	10/05/20 12:31	99-09-2		
4-Nitroaniline	ND	ug/L	47.6	1	09/30/20 15:38	10/05/20 12:31	100-01-6		
Nitrobenzene	ND	ug/L	9.5	1	09/30/20 15:38	10/05/20 12:31	98-95-3		
2-Nitrophenol	ND	ug/L	9.5	1	09/30/20 15:38	10/05/20 12:31	88-75-5		
4-Nitrophenol	ND	ug/L	47.6	1	09/30/20 15:38	10/05/20 12:31	100-02-7		
N-Nitroso-di-n-propylamine	ND	ug/L	9.5	1	09/30/20 15:38	10/05/20 12:31	621-64-7		
N-Nitrosodiphenylamine	ND	ug/L	9.5	1	09/30/20 15:38	10/05/20 12:31	86-30-6		
Pentachlorophenol	ND	ug/L	47.6	1	09/30/20 15:38	10/05/20 12:31	87-86-5		
Phenanthrene	ND	ug/L	9.5	1	09/30/20 15:38	10/05/20 12:31	85-01-8		
Phenol	ND	ug/L	9.5	1	09/30/20 15:38	10/05/20 12:31	108-95-2		
Pyrene	ND	ug/L	9.5	1	09/30/20 15:38	10/05/20 12:31	129-00-0		
Pyridine	ND	ug/L	9.5	1	09/30/20 15:38	10/05/20 12:31	110-86-1		
1,2,4-Trichlorobenzene	ND	ug/L	9.5	1	09/30/20 15:38	10/05/20 12:31	120-82-1		
2,4,5-Trichlorophenol	ND	ug/L	47.6	1	09/30/20 15:38	10/05/20 12:31	95-95-4		
2,4,6-Trichlorophenol	ND	ug/L	9.5	1	09/30/20 15:38	10/05/20 12:31	88-06-2		
Surrogates									
Nitrobenzene-d5 (S)	61	%	27-106	1	09/30/20 15:38	10/05/20 12:31	4165-60-0		
2-Fluorobiphenyl (S)	63	%	29-108	1	09/30/20 15:38	10/05/20 12:31	321-60-8		
Terphenyl-d14 (S)	116	%	34-129	1	09/30/20 15:38	10/05/20 12:31	1718-51-0		
Phenol-d6 (S)	31	%	10-44	1	09/30/20 15:38	10/05/20 12:31	13127-88-3		
2-Fluorophenol (S)	38	%	11-64	1	09/30/20 15:38	10/05/20 12:31	367-12-4		
2,4,6-Tribromophenol (S)	95	%	16-114	1	09/30/20 15:38	10/05/20 12:31	118-79-6		
8260 MSV									
Analytical Method: EPA 5030B/8260									
Pace Analytical Services - Kansas City									
Acetone	11.9	ug/L	10.0	1		09/29/20 11:55	67-64-1		
Benzene	1.2	ug/L	1.0	1		09/29/20 11:55	71-43-2		
Bromobenzene	ND	ug/L	1.0	1		09/29/20 11:55	108-86-1		
Bromochloromethane	ND	ug/L	1.0	1		09/29/20 11:55	74-97-5		
Bromodichloromethane	ND	ug/L	1.0	1		09/29/20 11:55	75-27-4		
Bromoform	ND	ug/L	1.0	1		09/29/20 11:55	75-25-2		
Bromomethane	ND	ug/L	5.0	1		09/29/20 11:55	74-83-9		
2-Butanone (MEK)	ND	ug/L	10.0	1		09/29/20 11:55	78-93-3		
n-Butylbenzene	4.2	ug/L	1.0	1		09/29/20 11:55	104-51-8		
sec-Butylbenzene	2.0	ug/L	1.0	1		09/29/20 11:55	135-98-8		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: PINE LAWN

Pace Project No.: 60349564

Sample: DPT-20-GW-(25-30)		Lab ID: 60349564004	Collected: 09/25/20 10:49	Received: 09/26/20 05:30	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 5030B/8260 Pace Analytical Services - Kansas City						
tert-Butylbenzene	ND	ug/L	1.0	1		09/29/20 11:55	98-06-6	
Carbon disulfide	ND	ug/L	5.0	1		09/29/20 11:55	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	1		09/29/20 11:55	56-23-5	
Chlorobenzene	ND	ug/L	1.0	1		09/29/20 11:55	108-90-7	
Chloroethane	ND	ug/L	1.0	1		09/29/20 11:55	75-00-3	
Chloroform	ND	ug/L	1.0	1		09/29/20 11:55	67-66-3	
Chloromethane	ND	ug/L	1.0	1		09/29/20 11:55	74-87-3	
2-Chlorotoluene	ND	ug/L	1.0	1		09/29/20 11:55	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	1		09/29/20 11:55	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	2.5	1		09/29/20 11:55	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	1		09/29/20 11:55	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	1		09/29/20 11:55	106-93-4	
Dibromomethane	ND	ug/L	1.0	1		09/29/20 11:55	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	1		09/29/20 11:55	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	1		09/29/20 11:55	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	1		09/29/20 11:55	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	1		09/29/20 11:55	75-71-8	L2
1,1-Dichloroethane	ND	ug/L	1.0	1		09/29/20 11:55	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	1		09/29/20 11:55	107-06-2	
1,2-Dichloroethene (Total)	ND	ug/L	1.0	1		09/29/20 11:55	540-59-0	
1,1-Dichloroethene	ND	ug/L	1.0	1		09/29/20 11:55	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	1		09/29/20 11:55	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		09/29/20 11:55	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	1		09/29/20 11:55	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	1		09/29/20 11:55	142-28-9	
2,2-Dichloropropane	ND	ug/L	1.0	1		09/29/20 11:55	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	1		09/29/20 11:55	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	1.0	1		09/29/20 11:55	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	1		09/29/20 11:55	10061-02-6	
Ethylbenzene	ND	ug/L	1.0	1		09/29/20 11:55	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	1.0	1		09/29/20 11:55	87-68-3	
2-Hexanone	ND	ug/L	10.0	1		09/29/20 11:55	591-78-6	
Isopropylbenzene (Cumene)	8.2	ug/L	1.0	1		09/29/20 11:55	98-82-8	
p-Isopropyltoluene	ND	ug/L	1.0	1		09/29/20 11:55	99-87-6	
Methylene Chloride	ND	ug/L	1.0	1		09/29/20 11:55	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	10.0	1		09/29/20 11:55	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	1.0	1		09/29/20 11:55	1634-04-4	
Naphthalene	ND	ug/L	10.0	1		09/29/20 11:55	91-20-3	
n-Propylbenzene	20.5	ug/L	1.0	1		09/29/20 11:55	103-65-1	
Styrene	ND	ug/L	1.0	1		09/29/20 11:55	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	1		09/29/20 11:55	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	1		09/29/20 11:55	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	1		09/29/20 11:55	127-18-4	
Toluene	ND	ug/L	1.0	1		09/29/20 11:55	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	1		09/29/20 11:55	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	1		09/29/20 11:55	120-82-1	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: PINE LAWN

Pace Project No.: 60349564

Sample: DPT-20-GW-(25-30)		Lab ID: 60349564004		Collected: 09/25/20 10:49		Received: 09/26/20 05:30		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
8260 MSV		Analytical Method: EPA 5030B/8260 Pace Analytical Services - Kansas City							
1,1,1-Trichloroethane	ND	ug/L	1.0	1		09/29/20 11:55	71-55-6		
1,1,2-Trichloroethane	ND	ug/L	1.0	1		09/29/20 11:55	79-00-5		
Trichloroethene	ND	ug/L	1.0	1		09/29/20 11:55	79-01-6		
Trichlorofluoromethane	ND	ug/L	1.0	1		09/29/20 11:55	75-69-4		
1,2,3-Trichloropropane	ND	ug/L	2.5	1		09/29/20 11:55	96-18-4		
1,2,4-Trimethylbenzene	ND	ug/L	1.0	1		09/29/20 11:55	95-63-6		
1,3,5-Trimethylbenzene	ND	ug/L	1.0	1		09/29/20 11:55	108-67-8		
Vinyl chloride	ND	ug/L	1.0	1		09/29/20 11:55	75-01-4		
Xylene (Total)	ND	ug/L	3.0	1		09/29/20 11:55	1330-20-7		
Surrogates									
4-Bromofluorobenzene (S)	92	%	80-120	1		09/29/20 11:55	460-00-4		
1,2-Dichloroethane-d4 (S)	106	%	86-117	1		09/29/20 11:55	17060-07-0		
Toluene-d8 (S)	93	%	80-120	1		09/29/20 11:55	2037-26-5		
Preservation pH	1.0		0.10	1		09/29/20 11:55			
8260 MSV GRO and Oxygenates		Analytical Method: EPA 8260 Pace Analytical Services - Kansas City							
TPH-GRO	ND	ug/L	500	1		09/30/20 19:56			
Surrogates									
Toluene-d8 (S)	103	%	80-120	1		09/30/20 19:56	2037-26-5		
4-Bromofluorobenzene (S)	95	%	80-120	1		09/30/20 19:56	460-00-4		
1,2-Dichloroethane-d4 (S)	90	%	86-117	1		09/30/20 19:56	17060-07-0		
Preservation pH	1.0		0.10	1		09/30/20 19:56			

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ANALYTICAL RESULTS

Project: PINE LAWN

Pace Project No.: 60349564

Sample: DPT-20-GW-(25-30)-FD		Lab ID: 60349564005		Collected: 09/25/20 10:49		Received: 09/26/20 05:30		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
8082 GCS PCB, LV									
Analytical Method: EPA 8082 Preparation Method: EPA 3510									
Pace Analytical Services - Kansas City									
PCB-1016 (Aroclor 1016)	ND	ug/L	1.0	1	10/05/20 13:24	10/05/20 16:16	12674-11-2		
PCB-1221 (Aroclor 1221)	ND	ug/L	1.0	1	10/05/20 13:24	10/05/20 16:16	11104-28-2		
PCB-1232 (Aroclor 1232)	ND	ug/L	1.0	1	10/05/20 13:24	10/05/20 16:16	11141-16-5		
PCB-1242 (Aroclor 1242)	ND	ug/L	1.0	1	10/05/20 13:24	10/05/20 16:16	53469-21-9		
PCB-1248 (Aroclor 1248)	ND	ug/L	1.0	1	10/05/20 13:24	10/05/20 16:16	12672-29-6		
PCB-1254 (Aroclor 1254)	ND	ug/L	1.0	1	10/05/20 13:24	10/05/20 16:16	11097-69-1		
PCB-1260 (Aroclor 1260)	ND	ug/L	1.0	1	10/05/20 13:24	10/05/20 16:16	11096-82-5		
Surrogates									
Decachlorobiphenyl (S)	79	%	30-136	1	10/05/20 13:24	10/05/20 16:16	2051-24-3		
6010 MET ICP									
Analytical Method: EPA 6010 Preparation Method: EPA 3010									
Pace Analytical Services - Kansas City									
Arsenic	68.0	ug/L	10.0	1	10/06/20 07:00	10/06/20 20:02	7440-38-2		
Barium	12800	ug/L	10.0	2	10/06/20 07:00	10/07/20 14:58	7440-39-3		
Cadmium	7.3	ug/L	5.0	1	10/06/20 07:00	10/06/20 20:02	7440-43-9		
Chromium	864	ug/L	15.0	3	10/06/20 07:00	10/07/20 16:24	7440-47-3		
Lead	477	ug/L	10.0	1	10/06/20 07:00	10/06/20 20:02	7439-92-1		
Selenium	ND	ug/L	45.0	3	10/06/20 07:00	10/07/20 16:24	7782-49-2	D3	
Silver	ND	ug/L	21.0	3	10/06/20 07:00	10/07/20 16:24	7440-22-4	D3	
6010 MET ICP, Dissolved									
Analytical Method: EPA 6010 Preparation Method: EPA 3010									
Pace Analytical Services - Kansas City									
Arsenic, Dissolved	ND	ug/L	10.0	1	10/06/20 07:00	10/06/20 17:05	7440-38-2		
Barium, Dissolved	501	ug/L	5.0	1	10/06/20 07:00	10/06/20 17:05	7440-39-3		
Cadmium, Dissolved	ND	ug/L	5.0	1	10/06/20 07:00	10/06/20 17:05	7440-43-9		
Chromium, Dissolved	ND	ug/L	5.0	1	10/06/20 07:00	10/06/20 17:05	7440-47-3		
Lead, Dissolved	ND	ug/L	10.0	1	10/06/20 07:00	10/06/20 17:05	7439-92-1		
Selenium, Dissolved	ND	ug/L	15.0	1	10/06/20 07:00	10/06/20 17:05	7782-49-2		
Silver, Dissolved	ND	ug/L	7.0	1	10/06/20 07:00	10/06/20 17:05	7440-22-4		
7470 Mercury									
Analytical Method: EPA 7470 Preparation Method: EPA 7470									
Pace Analytical Services - Kansas City									
Mercury	4.4	ug/L	0.20	1	09/29/20 14:13	10/01/20 11:33	7439-97-6		
7470 Mercury, Dissolved									
Analytical Method: EPA 7470 Preparation Method: EPA 7470									
Pace Analytical Services - Kansas City									
Mercury, Dissolved	ND	ug/L	0.20	1	09/29/20 14:13	10/01/20 10:45	7439-97-6		
8270 MSSV DRO/ORO									
Analytical Method: EPA 8270 Preparation Method: EPA 3510C									
Pace Analytical Services - Kansas City									
TPH-ORO	ND	mg/L	1.2	1	09/30/20 23:58	10/08/20 03:38			
TPH-DRO	ND	mg/L	1.2	1	09/30/20 23:58	10/08/20 03:38			
Surrogates									
Nitrobenzene-d5 (S)	70	%	27-106	1	09/30/20 23:58	10/08/20 03:38	4165-60-0		
2-Fluorobiphenyl (S)	73	%	29-108	1	09/30/20 23:58	10/08/20 03:38	321-60-8		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: PINE LAWN

Pace Project No.: 60349564

Sample: DPT-20-GW-(25-30)-FD		Lab ID: 60349564005		Collected: 09/25/20 10:49		Received: 09/26/20 05:30		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
8270 MSSV DRO/ORO		Analytical Method: EPA 8270 Preparation Method: EPA 3510C Pace Analytical Services - Kansas City							
Surrogates									
Terphenyl-d14 (S)	79	%	34-129	1	09/30/20 23:58	10/08/20 03:38	1718-51-0		
8270 MSSV Semivolatile Organic		Analytical Method: EPA 8270 Preparation Method: EPA 3510 Pace Analytical Services - Kansas City							
Acenaphthene	ND	ug/L	11.1	1	09/30/20 15:38	10/05/20 12:54	83-32-9		
Acenaphthylene	ND	ug/L	11.1	1	09/30/20 15:38	10/05/20 12:54	208-96-8		
Anthracene	ND	ug/L	11.1	1	09/30/20 15:38	10/05/20 12:54	120-12-7		
Benzo(a)anthracene	ND	ug/L	11.1	1	09/30/20 15:38	10/05/20 12:54	56-55-3		
Benzo(a)pyrene	ND	ug/L	11.1	1	09/30/20 15:38	10/05/20 12:54	50-32-8		
Benzo(b)fluoranthene	ND	ug/L	11.1	1	09/30/20 15:38	10/05/20 12:54	205-99-2		
Benzo(g,h,i)perylene	ND	ug/L	11.1	1	09/30/20 15:38	10/05/20 12:54	191-24-2		
Benzo(k)fluoranthene	ND	ug/L	11.1	1	09/30/20 15:38	10/05/20 12:54	207-08-9		
Benzoic Acid	ND	ug/L	55.6	1	09/30/20 15:38	10/05/20 12:54	65-85-0		
Benzyl alcohol	ND	ug/L	22.2	1	09/30/20 15:38	10/05/20 12:54	100-51-6		
4-Bromophenylphenyl ether	ND	ug/L	11.1	1	09/30/20 15:38	10/05/20 12:54	101-55-3		
Butylbenzylphthalate	ND	ug/L	22.2	1	09/30/20 15:38	10/05/20 12:54	85-68-7		
Carbazole	ND	ug/L	11.1	1	09/30/20 15:38	10/05/20 12:54	86-74-8		
4-Chloro-3-methylphenol	ND	ug/L	22.2	1	09/30/20 15:38	10/05/20 12:54	59-50-7		
4-Chloroaniline	ND	ug/L	22.2	1	09/30/20 15:38	10/05/20 12:54	106-47-8		
bis(2-Chloroethoxy)methane	ND	ug/L	11.1	1	09/30/20 15:38	10/05/20 12:54	111-91-1		
bis(2-Chloroethyl) ether	ND	ug/L	11.1	1	09/30/20 15:38	10/05/20 12:54	111-44-4		
bis(2-Chloroisopropyl) ether	ND	ug/L	11.1	1	09/30/20 15:38	10/05/20 12:54	108-60-1		
2-Chloronaphthalene	ND	ug/L	11.1	1	09/30/20 15:38	10/05/20 12:54	91-58-7		
2-Chlorophenol	ND	ug/L	11.1	1	09/30/20 15:38	10/05/20 12:54	95-57-8		
4-Chlorophenylphenyl ether	ND	ug/L	11.1	1	09/30/20 15:38	10/05/20 12:54	7005-72-3		
Chrysene	ND	ug/L	11.1	1	09/30/20 15:38	10/05/20 12:54	218-01-9		
Dibenz(a,h)anthracene	ND	ug/L	11.1	1	09/30/20 15:38	10/05/20 12:54	53-70-3		
Dibenzofuran	ND	ug/L	11.1	1	09/30/20 15:38	10/05/20 12:54	132-64-9		
1,2-Dichlorobenzene	ND	ug/L	11.1	1	09/30/20 15:38	10/05/20 12:54	95-50-1		
1,3-Dichlorobenzene	ND	ug/L	11.1	1	09/30/20 15:38	10/05/20 12:54	541-73-1		
1,4-Dichlorobenzene	ND	ug/L	11.1	1	09/30/20 15:38	10/05/20 12:54	106-46-7		
3,3'-Dichlorobenzidine	ND	ug/L	22.2	1	09/30/20 15:38	10/05/20 12:54	91-94-1		
2,4-Dichlorophenol	ND	ug/L	11.1	1	09/30/20 15:38	10/05/20 12:54	120-83-2		
Diethylphthalate	ND	ug/L	11.1	1	09/30/20 15:38	10/05/20 12:54	84-66-2		
2,4-Dimethylphenol	ND	ug/L	11.1	1	09/30/20 15:38	10/05/20 12:54	105-67-9		
Dimethylphthalate	ND	ug/L	11.1	1	09/30/20 15:38	10/05/20 12:54	131-11-3		
Di-n-butylphthalate	ND	ug/L	11.1	1	09/30/20 15:38	10/05/20 12:54	84-74-2		
4,6-Dinitro-2-methylphenol	ND	ug/L	55.6	1	09/30/20 15:38	10/05/20 12:54	534-52-1		
2,4-Dinitrophenol	ND	ug/L	55.6	1	09/30/20 15:38	10/05/20 12:54	51-28-5		
2,4-Dinitrotoluene	ND	ug/L	11.1	1	09/30/20 15:38	10/05/20 12:54	121-14-2		
2,6-Dinitrotoluene	ND	ug/L	11.1	1	09/30/20 15:38	10/05/20 12:54	606-20-2		
Di-n-octylphthalate	ND	ug/L	11.1	1	09/30/20 15:38	10/05/20 12:54	117-84-0		
bis(2-Ethylhexyl)phthalate	ND	ug/L	22.2	1	09/30/20 15:38	10/05/20 12:54	117-81-7		
Fluoranthene	ND	ug/L	11.1	1	09/30/20 15:38	10/05/20 12:54	206-44-0		
Fluorene	ND	ug/L	11.1	1	09/30/20 15:38	10/05/20 12:54	86-73-7		

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ANALYTICAL RESULTS

Project: PINE LAWN

Pace Project No.: 60349564

Sample: DPT-20-GW-(25-30)-FD		Lab ID: 60349564005		Collected: 09/25/20 10:49		Received: 09/26/20 05:30		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
8270 MSSV Semivolatile Organic	Analytical Method: EPA 8270 Preparation Method: EPA 3510								
	Pace Analytical Services - Kansas City								
Hexachloro-1,3-butadiene	ND	ug/L	11.1	1	09/30/20 15:38	10/05/20 12:54	87-68-3		
Hexachlorobenzene	ND	ug/L	11.1	1	09/30/20 15:38	10/05/20 12:54	118-74-1		
Hexachlorocyclopentadiene	ND	ug/L	11.1	1	09/30/20 15:38	10/05/20 12:54	77-47-4		
Hexachloroethane	ND	ug/L	11.1	1	09/30/20 15:38	10/05/20 12:54	67-72-1		
Indeno(1,2,3-cd)pyrene	ND	ug/L	11.1	1	09/30/20 15:38	10/05/20 12:54	193-39-5		
Isophorone	ND	ug/L	11.1	1	09/30/20 15:38	10/05/20 12:54	78-59-1		
2-Methylnaphthalene	ND	ug/L	11.1	1	09/30/20 15:38	10/05/20 12:54	91-57-6		
2-Methylphenol(o-Cresol)	ND	ug/L	11.1	1	09/30/20 15:38	10/05/20 12:54	95-48-7		
3&4-Methylphenol(m&p Cresol)	ND	ug/L	11.1	1	09/30/20 15:38	10/05/20 12:54	15831-10-4		
Naphthalene	ND	ug/L	11.1	1	09/30/20 15:38	10/05/20 12:54	91-20-3		
2-Nitroaniline	ND	ug/L	55.6	1	09/30/20 15:38	10/05/20 12:54	88-74-4		
3-Nitroaniline	ND	ug/L	55.6	1	09/30/20 15:38	10/05/20 12:54	99-09-2		
4-Nitroaniline	ND	ug/L	55.6	1	09/30/20 15:38	10/05/20 12:54	100-01-6		
Nitrobenzene	ND	ug/L	11.1	1	09/30/20 15:38	10/05/20 12:54	98-95-3		
2-Nitrophenol	ND	ug/L	11.1	1	09/30/20 15:38	10/05/20 12:54	88-75-5		
4-Nitrophenol	ND	ug/L	55.6	1	09/30/20 15:38	10/05/20 12:54	100-02-7		
N-Nitroso-di-n-propylamine	ND	ug/L	11.1	1	09/30/20 15:38	10/05/20 12:54	621-64-7		
N-Nitrosodiphenylamine	ND	ug/L	11.1	1	09/30/20 15:38	10/05/20 12:54	86-30-6		
Pentachlorophenol	ND	ug/L	55.6	1	09/30/20 15:38	10/05/20 12:54	87-86-5		
Phenanthrene	ND	ug/L	11.1	1	09/30/20 15:38	10/05/20 12:54	85-01-8		
Phenol	ND	ug/L	11.1	1	09/30/20 15:38	10/05/20 12:54	108-95-2		
Pyrene	ND	ug/L	11.1	1	09/30/20 15:38	10/05/20 12:54	129-00-0		
Pyridine	ND	ug/L	11.1	1	09/30/20 15:38	10/05/20 12:54	110-86-1	L2	
1,2,4-Trichlorobenzene	ND	ug/L	11.1	1	09/30/20 15:38	10/05/20 12:54	120-82-1		
2,4,5-Trichlorophenol	ND	ug/L	55.6	1	09/30/20 15:38	10/05/20 12:54	95-95-4		
2,4,6-Trichlorophenol	ND	ug/L	11.1	1	09/30/20 15:38	10/05/20 12:54	88-06-2		
Surrogates									
Nitrobenzene-d5 (S)	16	%	27-106	1	09/30/20 15:38	10/05/20 12:54	4165-60-0	2e	
2-Fluorobiphenyl (S)	15	%	29-108	1	09/30/20 15:38	10/05/20 12:54	321-60-8	2e	
Terphenyl-d14 (S)	23	%	34-129	1	09/30/20 15:38	10/05/20 12:54	1718-51-0	2e	
Phenol-d6 (S)	23	%	10-44	1	09/30/20 15:38	10/05/20 12:54	13127-88-3		
2-Fluorophenol (S)	26	%	11-64	1	09/30/20 15:38	10/05/20 12:54	367-12-4		
2,4,6-Tribromophenol (S)	16	%	16-114	1	09/30/20 15:38	10/05/20 12:54	118-79-6		

8260 MSV

Analytical Method: EPA 5030B/8260
Pace Analytical Services - Kansas City

Acetone	19.7	ug/L	10.0	1	09/29/20 12:10	67-64-1
Benzene	4.9	ug/L	1.0	1	09/29/20 12:10	71-43-2
Bromobenzene	ND	ug/L	1.0	1	09/29/20 12:10	108-86-1
Bromochloromethane	ND	ug/L	1.0	1	09/29/20 12:10	74-97-5
Bromodichloromethane	ND	ug/L	1.0	1	09/29/20 12:10	75-27-4
Bromoform	ND	ug/L	1.0	1	09/29/20 12:10	75-25-2
Bromomethane	ND	ug/L	5.0	1	09/29/20 12:10	74-83-9
2-Butanone (MEK)	ND	ug/L	10.0	1	09/29/20 12:10	78-93-3
n-Butylbenzene	3.7	ug/L	1.0	1	09/29/20 12:10	104-51-8
sec-Butylbenzene	2.0	ug/L	1.0	1	09/29/20 12:10	135-98-8

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ANALYTICAL RESULTS

Project: PINE LAWN

Pace Project No.: 60349564

Sample: DPT-20-GW-(25-30)-FD		Lab ID: 60349564005	Collected: 09/25/20 10:49	Received: 09/26/20 05:30	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 5030B/8260 Pace Analytical Services - Kansas City						
tert-Butylbenzene	ND	ug/L	1.0	1		09/29/20 12:10	98-06-6	
Carbon disulfide	ND	ug/L	5.0	1		09/29/20 12:10	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	1		09/29/20 12:10	56-23-5	
Chlorobenzene	ND	ug/L	1.0	1		09/29/20 12:10	108-90-7	
Chloroethane	ND	ug/L	1.0	1		09/29/20 12:10	75-00-3	
Chloroform	ND	ug/L	1.0	1		09/29/20 12:10	67-66-3	
Chloromethane	ND	ug/L	1.0	1		09/29/20 12:10	74-87-3	
2-Chlorotoluene	ND	ug/L	1.0	1		09/29/20 12:10	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	1		09/29/20 12:10	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	2.5	1		09/29/20 12:10	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	1		09/29/20 12:10	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	1		09/29/20 12:10	106-93-4	
Dibromomethane	ND	ug/L	1.0	1		09/29/20 12:10	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	1		09/29/20 12:10	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	1		09/29/20 12:10	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	1		09/29/20 12:10	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	1		09/29/20 12:10	75-71-8	L2
1,1-Dichloroethane	ND	ug/L	1.0	1		09/29/20 12:10	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	1		09/29/20 12:10	107-06-2	
1,2-Dichloroethene (Total)	ND	ug/L	1.0	1		09/29/20 12:10	540-59-0	
1,1-Dichloroethene	ND	ug/L	1.0	1		09/29/20 12:10	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	1		09/29/20 12:10	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		09/29/20 12:10	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	1		09/29/20 12:10	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	1		09/29/20 12:10	142-28-9	
2,2-Dichloropropane	ND	ug/L	1.0	1		09/29/20 12:10	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	1		09/29/20 12:10	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	1.0	1		09/29/20 12:10	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	1		09/29/20 12:10	10061-02-6	
Ethylbenzene	ND	ug/L	1.0	1		09/29/20 12:10	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	1.0	1		09/29/20 12:10	87-68-3	
2-Hexanone	ND	ug/L	10.0	1		09/29/20 12:10	591-78-6	
Isopropylbenzene (Cumene)	12.3	ug/L	1.0	1		09/29/20 12:10	98-82-8	
p-Isopropyltoluene	ND	ug/L	1.0	1		09/29/20 12:10	99-87-6	
Methylene Chloride	ND	ug/L	1.0	1		09/29/20 12:10	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	10.0	1		09/29/20 12:10	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	1.0	1		09/29/20 12:10	1634-04-4	
Naphthalene	ND	ug/L	10.0	1		09/29/20 12:10	91-20-3	
n-Propylbenzene	30.0	ug/L	1.0	1		09/29/20 12:10	103-65-1	
Styrene	ND	ug/L	1.0	1		09/29/20 12:10	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	1		09/29/20 12:10	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	1		09/29/20 12:10	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	1		09/29/20 12:10	127-18-4	
Toluene	ND	ug/L	1.0	1		09/29/20 12:10	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	1		09/29/20 12:10	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	1		09/29/20 12:10	120-82-1	

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ANALYTICAL RESULTS

Project: PINE LAWN

Pace Project No.: 60349564

Sample: DPT-20-GW-(25-30)-FD		Lab ID: 60349564005		Collected: 09/25/20 10:49		Received: 09/26/20 05:30		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
8260 MSV									
Analytical Method: EPA 5030B/8260									
Pace Analytical Services - Kansas City									
1,1,1-Trichloroethane	ND	ug/L	1.0	1		09/29/20 12:10	71-55-6		
1,1,2-Trichloroethane	ND	ug/L	1.0	1		09/29/20 12:10	79-00-5		
Trichloroethene	ND	ug/L	1.0	1		09/29/20 12:10	79-01-6		
Trichlorofluoromethane	ND	ug/L	1.0	1		09/29/20 12:10	75-69-4		
1,2,3-Trichloropropane	ND	ug/L	2.5	1		09/29/20 12:10	96-18-4		
1,2,4-Trimethylbenzene	ND	ug/L	1.0	1		09/29/20 12:10	95-63-6		
1,3,5-Trimethylbenzene	ND	ug/L	1.0	1		09/29/20 12:10	108-67-8		
Vinyl chloride	ND	ug/L	1.0	1		09/29/20 12:10	75-01-4		
Xylene (Total)	ND	ug/L	3.0	1		09/29/20 12:10	1330-20-7		
Surrogates									
4-Bromofluorobenzene (S)	99	%	80-120	1		09/29/20 12:10	460-00-4		
1,2-Dichloroethane-d4 (S)	105	%	86-117	1		09/29/20 12:10	17060-07-0		
Toluene-d8 (S)	102	%	80-120	1		09/29/20 12:10	2037-26-5		
Preservation pH	1.0		0.10	1		09/29/20 12:10			
8260 MSV GRO and Oxygenates									
Analytical Method: EPA 8260									
Pace Analytical Services - Kansas City									
TPH-GRO	ND	ug/L	500	1		09/30/20 20:11			
Surrogates									
Toluene-d8 (S)	104	%	80-120	1		09/30/20 20:11	2037-26-5		
4-Bromofluorobenzene (S)	94	%	80-120	1		09/30/20 20:11	460-00-4		
1,2-Dichloroethane-d4 (S)	90	%	86-117	1		09/30/20 20:11	17060-07-0		
Preservation pH	1.0		0.10	1		09/30/20 20:11			

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ANALYTICAL RESULTS

Project: PINE LAWN

Pace Project No.: 60349564

Sample: PINE LAWN-GW-TB10		Lab ID: 60349564006		Collected: 09/25/20 11:35		Received: 09/26/20 05:30		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
8260 MSV	Analytical Method: EPA 5030B/8260								
	Pace Analytical Services - Kansas City								
Acetone	ND	ug/L	10.0	1		09/29/20 10:53	67-64-1	L2	
Benzene	ND	ug/L	1.0	1		09/29/20 10:53	71-43-2		
Bromobenzene	ND	ug/L	1.0	1		09/29/20 10:53	108-86-1		
Bromochloromethane	ND	ug/L	1.0	1		09/29/20 10:53	74-97-5		
Bromodichloromethane	ND	ug/L	1.0	1		09/29/20 10:53	75-27-4		
Bromoform	ND	ug/L	1.0	1		09/29/20 10:53	75-25-2		
Bromomethane	ND	ug/L	5.0	1		09/29/20 10:53	74-83-9		
2-Butanone (MEK)	ND	ug/L	10.0	1		09/29/20 10:53	78-93-3		
n-Butylbenzene	ND	ug/L	1.0	1		09/29/20 10:53	104-51-8		
sec-Butylbenzene	ND	ug/L	1.0	1		09/29/20 10:53	135-98-8		
tert-Butylbenzene	ND	ug/L	1.0	1		09/29/20 10:53	98-06-6		
Carbon disulfide	ND	ug/L	5.0	1		09/29/20 10:53	75-15-0		
Carbon tetrachloride	ND	ug/L	1.0	1		09/29/20 10:53	56-23-5		
Chlorobenzene	ND	ug/L	1.0	1		09/29/20 10:53	108-90-7		
Chloroethane	ND	ug/L	1.0	1		09/29/20 10:53	75-00-3		
Chloroform	ND	ug/L	1.0	1		09/29/20 10:53	67-66-3		
Chloromethane	ND	ug/L	1.0	1		09/29/20 10:53	74-87-3		
2-Chlorotoluene	ND	ug/L	1.0	1		09/29/20 10:53	95-49-8		
4-Chlorotoluene	ND	ug/L	1.0	1		09/29/20 10:53	106-43-4		
1,2-Dibromo-3-chloropropane	ND	ug/L	2.5	1		09/29/20 10:53	96-12-8		
Dibromochloromethane	ND	ug/L	1.0	1		09/29/20 10:53	124-48-1		
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	1		09/29/20 10:53	106-93-4		
Dibromomethane	ND	ug/L	1.0	1		09/29/20 10:53	74-95-3		
1,2-Dichlorobenzene	ND	ug/L	1.0	1		09/29/20 10:53	95-50-1		
1,3-Dichlorobenzene	ND	ug/L	1.0	1		09/29/20 10:53	541-73-1		
1,4-Dichlorobenzene	ND	ug/L	1.0	1		09/29/20 10:53	106-46-7		
Dichlorodifluoromethane	ND	ug/L	1.0	1		09/29/20 10:53	75-71-8		
1,1-Dichloroethane	ND	ug/L	1.0	1		09/29/20 10:53	75-34-3		
1,2-Dichloroethane	ND	ug/L	1.0	1		09/29/20 10:53	107-06-2		
1,2-Dichloroethene (Total)	ND	ug/L	1.0	1		09/29/20 10:53	540-59-0		
1,1-Dichloroethene	ND	ug/L	1.0	1		09/29/20 10:53	75-35-4		
cis-1,2-Dichloroethene	ND	ug/L	1.0	1		09/29/20 10:53	156-59-2		
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		09/29/20 10:53	156-60-5		
1,2-Dichloropropane	ND	ug/L	1.0	1		09/29/20 10:53	78-87-5		
1,3-Dichloropropane	ND	ug/L	1.0	1		09/29/20 10:53	142-28-9		
2,2-Dichloropropane	ND	ug/L	1.0	1		09/29/20 10:53	594-20-7		
1,1-Dichloropropene	ND	ug/L	1.0	1		09/29/20 10:53	563-58-6		
cis-1,3-Dichloropropene	ND	ug/L	1.0	1		09/29/20 10:53	10061-01-5		
trans-1,3-Dichloropropene	ND	ug/L	1.0	1		09/29/20 10:53	10061-02-6		
Ethylbenzene	ND	ug/L	1.0	1		09/29/20 10:53	100-41-4		
Hexachloro-1,3-butadiene	ND	ug/L	1.0	1		09/29/20 10:53	87-68-3		
2-Hexanone	ND	ug/L	10.0	1		09/29/20 10:53	591-78-6		
Isopropylbenzene (Cumene)	ND	ug/L	1.0	1		09/29/20 10:53	98-82-8		
p-Isopropyltoluene	ND	ug/L	1.0	1		09/29/20 10:53	99-87-6		
Methylene Chloride	ND	ug/L	1.0	1		09/29/20 10:53	75-09-2		
4-Methyl-2-pentanone (MIBK)	ND	ug/L	10.0	1		09/29/20 10:53	108-10-1		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: PINE LAWN

Pace Project No.: 60349564

Sample: PINE LAWN-GW-TB10		Lab ID: 60349564006		Collected: 09/25/20 11:35		Received: 09/26/20 05:30		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
8260 MSV		Analytical Method: EPA 5030B/8260							
		Pace Analytical Services - Kansas City							
Methyl-tert-butyl ether	ND	ug/L	1.0	1		09/29/20 10:53	1634-04-4		
Naphthalene	ND	ug/L	10.0	1		09/29/20 10:53	91-20-3		
n-Propylbenzene	ND	ug/L	1.0	1		09/29/20 10:53	103-65-1		
Styrene	ND	ug/L	1.0	1		09/29/20 10:53	100-42-5		
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	1		09/29/20 10:53	630-20-6		
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	1		09/29/20 10:53	79-34-5		
Tetrachloroethene	ND	ug/L	1.0	1		09/29/20 10:53	127-18-4		
Toluene	ND	ug/L	1.0	1		09/29/20 10:53	108-88-3		
1,2,3-Trichlorobenzene	ND	ug/L	1.0	1		09/29/20 10:53	87-61-6		
1,2,4-Trichlorobenzene	ND	ug/L	1.0	1		09/29/20 10:53	120-82-1		
1,1,1-Trichloroethane	ND	ug/L	1.0	1		09/29/20 10:53	71-55-6		
1,1,2-Trichloroethane	ND	ug/L	1.0	1		09/29/20 10:53	79-00-5		
Trichloroethene	ND	ug/L	1.0	1		09/29/20 10:53	79-01-6		
Trichlorofluoromethane	ND	ug/L	1.0	1		09/29/20 10:53	75-69-4		
1,2,3-Trichloropropane	ND	ug/L	2.5	1		09/29/20 10:53	96-18-4		
1,2,4-Trimethylbenzene	ND	ug/L	1.0	1		09/29/20 10:53	95-63-6		
1,3,5-Trimethylbenzene	ND	ug/L	1.0	1		09/29/20 10:53	108-67-8		
Vinyl chloride	ND	ug/L	1.0	1		09/29/20 10:53	75-01-4		
Xylene (Total)	ND	ug/L	3.0	1		09/29/20 10:53	1330-20-7		
Surrogates									
4-Bromofluorobenzene (S)	100	%	80-120	1		09/29/20 10:53	460-00-4		
1,2-Dichloroethane-d4 (S)	99	%	86-117	1		09/29/20 10:53	17060-07-0		
Toluene-d8 (S)	101	%	80-120	1		09/29/20 10:53	2037-26-5		
Preservation pH	1.0		0.10	1		09/29/20 10:53			

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: PINE LAWN
Pace Project No.: 60349564

QC Batch: 679620 Analysis Method: EPA 7470
QC Batch Method: EPA 7470 Analysis Description: 7470 Mercury
Laboratory: Pace Analytical Services - Kansas City
Associated Lab Samples: 60349564001, 60349564002, 60349564003, 60349564004, 60349564005

METHOD BLANK: 2747878 Matrix: Water
Associated Lab Samples: 60349564001, 60349564002, 60349564003, 60349564004, 60349564005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury	ug/L	ND	0.20	10/01/20 10:47	

LABORATORY CONTROL SAMPLE: 2747879

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	5	5.0	100	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2747880 2747881

Parameter	Units	60349231003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	ug/L	ND	5	5	5.3	5.0	106	100	75-125	6	20	

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QUALITY CONTROL DATA

Project: PINE LAWN
Pace Project No.: 60349564

QC Batch: 679617 Analysis Method: EPA 7470
QC Batch Method: EPA 7470 Analysis Description: 7470 Mercury ,Dissolved
Laboratory: Pace Analytical Services - Kansas City
Associated Lab Samples: 60349564001, 60349564002, 60349564003, 60349564004, 60349564005

METHOD BLANK: 2747874 Matrix: Water
Associated Lab Samples: 60349564001, 60349564002, 60349564003, 60349564004, 60349564005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury, Dissolved	ug/L	ND	0.20	10/01/20 09:57	

LABORATORY CONTROL SAMPLE: 2747875

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury, Dissolved	ug/L	5	5.2	105	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2747876 2747877

Parameter	Units	60349234004 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury, Dissolved	ug/L	ND	5	5	4.7	4.6	94	93	75-125	1	20	

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QUALITY CONTROL DATA

Project: PINE LAWN
Pace Project No.: 60349564

QC Batch: 680870 Analysis Method: EPA 6010
QC Batch Method: EPA 3010 Analysis Description: 6010 MET
Laboratory: Pace Analytical Services - Kansas City
Associated Lab Samples: 60349564001, 60349564002, 60349564003, 60349564004, 60349564005

METHOD BLANK: 2752460 Matrix: Water
Associated Lab Samples: 60349564001, 60349564002, 60349564003, 60349564004, 60349564005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Arsenic	ug/L	ND	10.0	10/06/20 19:34	
Barium	ug/L	ND	5.0	10/06/20 19:34	
Cadmium	ug/L	ND	5.0	10/06/20 19:34	
Chromium	ug/L	ND	5.0	10/06/20 19:34	
Lead	ug/L	ND	10.0	10/06/20 19:34	
Selenium	ug/L	ND	15.0	10/06/20 19:34	
Silver	ug/L	ND	7.0	10/06/20 19:34	

LABORATORY CONTROL SAMPLE: 2752461

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Arsenic	ug/L	1000	965	97	80-120	
Barium	ug/L	1000	952	95	80-120	
Cadmium	ug/L	1000	1040	104	80-120	
Chromium	ug/L	1000	932	93	80-120	
Lead	ug/L	1000	1040	104	80-120	
Selenium	ug/L	1000	1030	103	80-120	
Silver	ug/L	500	467	93	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2752462 2752463

Parameter	Units	60349564001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Arsenic	ug/L	92.7	1000	1000	678	680	59	59	75-125	0	20	M1
Barium	ug/L	13900	1000	1000	15300	15300	142	136	75-125	0	20	M1
Cadmium	ug/L	9.0	1000	1000	781	792	77	78	75-125	2	20	
Chromium	ug/L	528	1000	1000	1580	1510	105	99	75-125	4	20	
Lead	ug/L	469	1000	1000	1210	1200	74	73	75-125	1	20	M1
Selenium	ug/L	33.4	1000	1000	586	595	55	56	75-125	2	20	M1
Silver	ug/L	ND	500	500	403	406	81	81	75-125	1	20	

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QUALITY CONTROL DATA

Project: PINE LAWN
Pace Project No.: 60349564

QC Batch: 680871 Analysis Method: EPA 6010
QC Batch Method: EPA 3010 Analysis Description: 6010 MET Dissolved
Laboratory: Pace Analytical Services - Kansas City
Associated Lab Samples: 60349564001, 60349564002, 60349564003, 60349564004, 60349564005

METHOD BLANK: 2752464 Matrix: Water
Associated Lab Samples: 60349564001, 60349564002, 60349564003, 60349564004, 60349564005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Arsenic, Dissolved	ug/L	ND	10.0	10/06/20 16:44	
Barium, Dissolved	ug/L	ND	5.0	10/06/20 16:44	
Cadmium, Dissolved	ug/L	ND	5.0	10/06/20 16:44	
Chromium, Dissolved	ug/L	ND	5.0	10/06/20 16:44	
Lead, Dissolved	ug/L	ND	10.0	10/06/20 16:44	
Selenium, Dissolved	ug/L	ND	15.0	10/06/20 16:44	
Silver, Dissolved	ug/L	ND	7.0	10/06/20 16:44	

LABORATORY CONTROL SAMPLE: 2752465

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Arsenic, Dissolved	ug/L	1000	977	98	80-120	
Barium, Dissolved	ug/L	1000	970	97	80-120	
Cadmium, Dissolved	ug/L	1000	994	99	80-120	
Chromium, Dissolved	ug/L	1000	979	98	80-120	
Lead, Dissolved	ug/L	1000	1020	102	80-120	
Selenium, Dissolved	ug/L	1000	989	99	80-120	
Silver, Dissolved	ug/L	500	489	98	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2752466 2752467

Parameter	Units	60349564001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Arsenic, Dissolved	ug/L	ND	1000	1000	1000	1020	100	101	75-125	1	20	
Barium, Dissolved	ug/L	372	1000	1000	1340	1360	96	99	75-125	2	20	
Cadmium, Dissolved	ug/L	ND	1000	1000	1000	1010	100	101	75-125	1	20	
Chromium, Dissolved	ug/L	ND	1000	1000	979	991	98	99	75-125	1	20	
Lead, Dissolved	ug/L	ND	1000	1000	1000	1010	100	100	75-125	1	20	
Selenium, Dissolved	ug/L	ND	1000	1000	1010	1010	101	101	75-125	1	20	
Silver, Dissolved	ug/L	ND	500	500	487	493	97	99	75-125	1	20	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: PINE LAWN
Pace Project No.: 60349564

QC Batch: 679540 Analysis Method: EPA 5030B/8260
QC Batch Method: EPA 5030B/8260 Analysis Description: 8260 MSV Water 10 mL Purge
Laboratory: Pace Analytical Services - Kansas City
Associated Lab Samples: 60349564001, 60349564002, 60349564003, 60349564004, 60349564005, 60349564006

METHOD BLANK: 2747552 Matrix: Water
Associated Lab Samples: 60349564001, 60349564002, 60349564003, 60349564004, 60349564005, 60349564006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	1.0	09/29/20 10:38	
1,1,1-Trichloroethane	ug/L	ND	1.0	09/29/20 10:38	
1,1,2,2-Tetrachloroethane	ug/L	ND	1.0	09/29/20 10:38	
1,1,2-Trichloroethane	ug/L	ND	1.0	09/29/20 10:38	
1,1-Dichloroethane	ug/L	ND	1.0	09/29/20 10:38	
1,1-Dichloroethene	ug/L	ND	1.0	09/29/20 10:38	
1,1-Dichloropropene	ug/L	ND	1.0	09/29/20 10:38	
1,2,3-Trichlorobenzene	ug/L	ND	1.0	09/29/20 10:38	
1,2,3-Trichloropropane	ug/L	ND	2.5	09/29/20 10:38	
1,2,4-Trichlorobenzene	ug/L	ND	1.0	09/29/20 10:38	
1,2,4-Trimethylbenzene	ug/L	ND	1.0	09/29/20 10:38	
1,2-Dibromo-3-chloropropane	ug/L	ND	2.5	09/29/20 10:38	
1,2-Dibromoethane (EDB)	ug/L	ND	1.0	09/29/20 10:38	
1,2-Dichlorobenzene	ug/L	ND	1.0	09/29/20 10:38	
1,2-Dichloroethane	ug/L	ND	1.0	09/29/20 10:38	
1,2-Dichloroethene (Total)	ug/L	ND	1.0	09/29/20 10:38	
1,2-Dichloropropane	ug/L	ND	1.0	09/29/20 10:38	
1,3,5-Trimethylbenzene	ug/L	ND	1.0	09/29/20 10:38	
1,3-Dichlorobenzene	ug/L	ND	1.0	09/29/20 10:38	
1,3-Dichloropropane	ug/L	ND	1.0	09/29/20 10:38	
1,4-Dichlorobenzene	ug/L	ND	1.0	09/29/20 10:38	
2,2-Dichloropropane	ug/L	ND	1.0	09/29/20 10:38	
2-Butanone (MEK)	ug/L	ND	10.0	09/29/20 10:38	
2-Chlorotoluene	ug/L	ND	1.0	09/29/20 10:38	
2-Hexanone	ug/L	ND	10.0	09/29/20 10:38	
4-Chlorotoluene	ug/L	ND	1.0	09/29/20 10:38	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	10.0	09/29/20 10:38	
Acetone	ug/L	ND	10.0	09/29/20 10:38	
Benzene	ug/L	ND	1.0	09/29/20 10:38	
Bromobenzene	ug/L	ND	1.0	09/29/20 10:38	
Bromochloromethane	ug/L	ND	1.0	09/29/20 10:38	
Bromodichloromethane	ug/L	ND	1.0	09/29/20 10:38	
Bromoform	ug/L	ND	1.0	09/29/20 10:38	
Bromomethane	ug/L	ND	5.0	09/29/20 10:38	
Carbon disulfide	ug/L	ND	5.0	09/29/20 10:38	
Carbon tetrachloride	ug/L	ND	1.0	09/29/20 10:38	
Chlorobenzene	ug/L	ND	1.0	09/29/20 10:38	
Chloroethane	ug/L	ND	1.0	09/29/20 10:38	
Chloroform	ug/L	ND	1.0	09/29/20 10:38	
Chloromethane	ug/L	ND	1.0	09/29/20 10:38	

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QUALITY CONTROL DATA

Project: PINE LAWN

Pace Project No.: 60349564

METHOD BLANK: 2747552

Matrix: Water

Associated Lab Samples: 60349564001, 60349564002, 60349564003, 60349564004, 60349564005, 60349564006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
cis-1,2-Dichloroethene	ug/L	ND	1.0	09/29/20 10:38	
cis-1,3-Dichloropropene	ug/L	ND	1.0	09/29/20 10:38	
Dibromochloromethane	ug/L	ND	1.0	09/29/20 10:38	
Dibromomethane	ug/L	ND	1.0	09/29/20 10:38	
Dichlorodifluoromethane	ug/L	ND	1.0	09/29/20 10:38	
Ethylbenzene	ug/L	ND	1.0	09/29/20 10:38	
Hexachloro-1,3-butadiene	ug/L	ND	1.0	09/29/20 10:38	
Isopropylbenzene (Cumene)	ug/L	ND	1.0	09/29/20 10:38	
Methyl-tert-butyl ether	ug/L	ND	1.0	09/29/20 10:38	
Methylene Chloride	ug/L	ND	1.0	09/29/20 10:38	
n-Butylbenzene	ug/L	ND	1.0	09/29/20 10:38	
n-Propylbenzene	ug/L	ND	1.0	09/29/20 10:38	
Naphthalene	ug/L	ND	10.0	09/29/20 10:38	
p-Isopropyltoluene	ug/L	ND	1.0	09/29/20 10:38	
sec-Butylbenzene	ug/L	ND	1.0	09/29/20 10:38	
Styrene	ug/L	ND	1.0	09/29/20 10:38	
tert-Butylbenzene	ug/L	ND	1.0	09/29/20 10:38	
Tetrachloroethene	ug/L	ND	1.0	09/29/20 10:38	
Toluene	ug/L	ND	1.0	09/29/20 10:38	
trans-1,2-Dichloroethene	ug/L	ND	1.0	09/29/20 10:38	
trans-1,3-Dichloropropene	ug/L	ND	1.0	09/29/20 10:38	
Trichloroethene	ug/L	ND	1.0	09/29/20 10:38	
Trichlorofluoromethane	ug/L	ND	1.0	09/29/20 10:38	
Vinyl chloride	ug/L	ND	1.0	09/29/20 10:38	
Xylene (Total)	ug/L	ND	3.0	09/29/20 10:38	
1,2-Dichloroethane-d4 (S)	%	97	86-117	09/29/20 10:38	
4-Bromofluorobenzene (S)	%	101	80-120	09/29/20 10:38	
Toluene-d8 (S)	%	100	80-120	09/29/20 10:38	

LABORATORY CONTROL SAMPLE: 2747553

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	20	19.8	99	85-118	
1,1,1-Trichloroethane	ug/L	20	20.9	105	85-118	
1,1,2,2-Tetrachloroethane	ug/L	20	21.6	108	78-118	
1,1,2-Trichloroethane	ug/L	20	21.0	105	82-117	
1,1-Dichloroethane	ug/L	20	20.5	103	85-120	
1,1-Dichloroethene	ug/L	20	19.0	95	81-124	
1,1-Dichloropropene	ug/L	20	18.7	94	71-119	
1,2,3-Trichlorobenzene	ug/L	20	20.6	103	76-120	
1,2,3-Trichloropropane	ug/L	20	20.2	101	78-123	
1,2,4-Trichlorobenzene	ug/L	20	20.1	101	77-117	
1,2,4-Trimethylbenzene	ug/L	20	20.7	103	85-120	
1,2-Dibromo-3-chloropropane	ug/L	20	18.1	91	68-125	

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QUALITY CONTROL DATA

Project: PINE LAWN

Pace Project No.: 60349564

LABORATORY CONTROL SAMPLE: 2747553

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dibromoethane (EDB)	ug/L	20	20.5	103	83-120	
1,2-Dichlorobenzene	ug/L	20	21.5	108	80-120	
1,2-Dichloroethane	ug/L	20	19.2	96	79-118	
1,2-Dichloroethene (Total)	ug/L	40	39.8	99	84-118	
1,2-Dichloropropane	ug/L	20	20.7	104	85-117	
1,3,5-Trimethylbenzene	ug/L	20	20.6	103	80-118	
1,3-Dichlorobenzene	ug/L	20	20.2	101	80-120	
1,3-Dichloropropane	ug/L	20	20.1	101	85-120	
1,4-Dichlorobenzene	ug/L	20	20.2	101	84-115	
2,2-Dichloropropane	ug/L	20	20.9	104	60-129	
2-Butanone (MEK)	ug/L	100	98.8	99	70-125	
2-Chlorotoluene	ug/L	20	21.3	107	84-115	
2-Hexanone	ug/L	100	101	101	76-126	
4-Chlorotoluene	ug/L	20	20.6	103	83-116	
4-Methyl-2-pentanone (MIBK)	ug/L	100	107	107	73-131	
Acetone	ug/L	100	90.8	91	59-135	
Benzene	ug/L	20	20.0	100	82-115	
Bromobenzene	ug/L	20	20.8	104	84-115	
Bromochloromethane	ug/L	20	19.4	97	85-125	
Bromodichloromethane	ug/L	20	20.2	101	82-123	
Bromoform	ug/L	20	20.0	100	66-133	
Bromomethane	ug/L	20	22.3	111	27-179	
Carbon disulfide	ug/L	20	22.9	115	72-134	
Carbon tetrachloride	ug/L	20	20.4	102	80-121	
Chlorobenzene	ug/L	20	20.8	104	80-120	
Chloroethane	ug/L	20	19.9	99	78-145	
Chloroform	ug/L	20	20.3	101	84-116	
Chloromethane	ug/L	20	22.5	113	48-160	
cis-1,2-Dichloroethene	ug/L	20	19.7	99	85-115	
cis-1,3-Dichloropropene	ug/L	20	20.2	101	85-117	
Dibromochloromethane	ug/L	20	20.1	100	82-122	
Dibromomethane	ug/L	20	20.3	101	81-122	
Dichlorodifluoromethane	ug/L	20	8.2	41	50-173	L2
Ethylbenzene	ug/L	20	20.7	103	79-115	
Hexachloro-1,3-butadiene	ug/L	20	20.7	103	75-120	
Isopropylbenzene (Cumene)	ug/L	20	20.2	101	84-117	
Methyl-tert-butyl ether	ug/L	20	19.9	99	77-126	
Methylene Chloride	ug/L	20	19.7	98	80-126	
n-Butylbenzene	ug/L	20	21.1	106	81-120	
n-Propylbenzene	ug/L	20	20.8	104	80-116	
Naphthalene	ug/L	20	20.5	103	73-126	
p-Isopropyltoluene	ug/L	20	18.9	95	74-121	
sec-Butylbenzene	ug/L	20	22.5	112	75-130	
Styrene	ug/L	20	21.0	105	80-117	
tert-Butylbenzene	ug/L	20	20.5	103	84-116	
Tetrachloroethene	ug/L	20	21.4	107	83-119	
Toluene	ug/L	20	20.9	105	83-115	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: PINE LAWN

Pace Project No.: 60349564

LABORATORY CONTROL SAMPLE: 2747553

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
trans-1,2-Dichloroethene	ug/L	20	20.1	100	80-124	
trans-1,3-Dichloropropene	ug/L	20	20.8	104	83-117	
Trichloroethene	ug/L	20	19.9	100	80-118	
Trichlorofluoromethane	ug/L	20	20.6	103	83-133	
Vinyl chloride	ug/L	20	16.8	84	76-144	
Xylene (Total)	ug/L	60	62.7	105	82-120	
1,2-Dichloroethane-d4 (S)	%			99	86-117	
4-Bromofluorobenzene (S)	%			98	80-120	
Toluene-d8 (S)	%			102	80-120	

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QUALITY CONTROL DATA

Project: PINE LAWN

Pace Project No.: 60349564

QC Batch: 679955

Analysis Method: EPA 8260

QC Batch Method: EPA 8260

Analysis Description: 8260 MSV MO GRO Oxygenates

Laboratory: Pace Analytical Services - Kansas City

Associated Lab Samples: 60349564001, 60349564002, 60349564003, 60349564004, 60349564005

METHOD BLANK: 2748829

Matrix: Water

Associated Lab Samples: 60349564001, 60349564002, 60349564003, 60349564004, 60349564005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
TPH-GRO	ug/L	ND	500	09/30/20 16:39	
1,2-Dichloroethane-d4 (S)	%	88	86-117	09/30/20 16:39	
4-Bromofluorobenzene (S)	%	96	80-120	09/30/20 16:39	
Toluene-d8 (S)	%	104	80-120	09/30/20 16:39	

LABORATORY CONTROL SAMPLE: 2748830

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
TPH-GRO	ug/L	4000	3530	88	55-125	
1,2-Dichloroethane-d4 (S)	%			86	86-117	
4-Bromofluorobenzene (S)	%			96	80-120	
Toluene-d8 (S)	%			104	80-120	

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QUALITY CONTROL DATA

Project: PINE LAWN
Pace Project No.: 60349564

QC Batch:	680721	Analysis Method:	EPA 8082
QC Batch Method:	EPA 3510	Analysis Description:	8082 GCS PCB, LV
		Laboratory:	Pace Analytical Services - Kansas City

Associated Lab Samples: 60349564001, 60349564002, 60349564003, 60349564004, 60349564005

METHOD BLANK: 2752136 Matrix: Water
Associated Lab Samples: 60349564001, 60349564002, 60349564003, 60349564004, 60349564005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
PCB-1016 (Aroclor 1016)	ug/L	ND	1.0	10/05/20 15:17	
PCB-1221 (Aroclor 1221)	ug/L	ND	1.0	10/05/20 15:17	
PCB-1232 (Aroclor 1232)	ug/L	ND	1.0	10/05/20 15:17	
PCB-1242 (Aroclor 1242)	ug/L	ND	1.0	10/05/20 15:17	
PCB-1248 (Aroclor 1248)	ug/L	ND	1.0	10/05/20 15:17	
PCB-1254 (Aroclor 1254)	ug/L	ND	1.0	10/05/20 15:17	
PCB-1260 (Aroclor 1260)	ug/L	ND	1.0	10/05/20 15:17	
Decachlorobiphenyl (S)	%	74	30-136	10/05/20 15:17	

LABORATORY CONTROL SAMPLE: 2752137

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
PCB-1016 (Aroclor 1016)	ug/L	5	4.2	84	66-125	
PCB-1260 (Aroclor 1260)	ug/L	5	4.4	88	64-123	
Decachlorobiphenyl (S)	%			78	30-136	

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QUALITY CONTROL DATA

Project: PINE LAWN

Pace Project No.: 60349564

QC Batch: 679792

Analysis Method: EPA 8270

QC Batch Method: EPA 3510C

Analysis Description: 8270 MSSV TPH ORO

Laboratory: Pace Analytical Services - Kansas City

Associated Lab Samples: 60349564001, 60349564002, 60349564003, 60349564004, 60349564005

METHOD BLANK: 2748446

Matrix: Water

Associated Lab Samples: 60349564001, 60349564002, 60349564003, 60349564004, 60349564005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
TPH-DRO	mg/L	ND	1.0	10/08/20 01:21	
TPH-ORO	mg/L	ND	1.0	10/08/20 01:21	
2-Fluorobiphenyl (S)	%	72	29-108	10/08/20 01:21	
Nitrobenzene-d5 (S)	%	69	27-106	10/08/20 01:21	
Terphenyl-d14 (S)	%	70	34-129	10/08/20 01:21	

LABORATORY CONTROL SAMPLE: 2748447

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
TPH-DRO	mg/L	100	36.4	36	33-130	
2-Fluorobiphenyl (S)	%			39	29-108	
Nitrobenzene-d5 (S)	%			40	27-106	
Terphenyl-d14 (S)	%			41	34-129	

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QUALITY CONTROL DATA

Project: PINE LAWN

Pace Project No.: 60349564

QC Batch: 679795

Analysis Method: EPA 8270

QC Batch Method: EPA 3510

Analysis Description: 8270 Water MSSV, LV

Laboratory: Pace Analytical Services - Kansas City

Associated Lab Samples: 60349564001, 60349564002, 60349564003, 60349564004, 60349564005

METHOD BLANK: 2748452

Matrix: Water

Associated Lab Samples: 60349564001, 60349564002, 60349564003, 60349564004, 60349564005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,2,4-Trichlorobenzene	ug/L	ND	10.0	10/05/20 09:51	
1,2-Dichlorobenzene	ug/L	ND	10.0	10/05/20 09:51	
1,3-Dichlorobenzene	ug/L	ND	10.0	10/05/20 09:51	
1,4-Dichlorobenzene	ug/L	ND	10.0	10/05/20 09:51	
2,4,5-Trichlorophenol	ug/L	ND	50.0	10/05/20 09:51	
2,4,6-Trichlorophenol	ug/L	ND	10.0	10/05/20 09:51	
2,4-Dichlorophenol	ug/L	ND	10.0	10/05/20 09:51	
2,4-Dimethylphenol	ug/L	ND	10.0	10/05/20 09:51	
2,4-Dinitrophenol	ug/L	ND	50.0	10/05/20 09:51	
2,4-Dinitrotoluene	ug/L	ND	10.0	10/05/20 09:51	
2,6-Dinitrotoluene	ug/L	ND	10.0	10/05/20 09:51	
2-Chloronaphthalene	ug/L	ND	10.0	10/05/20 09:51	
2-Chlorophenol	ug/L	ND	10.0	10/05/20 09:51	
2-Methylnaphthalene	ug/L	ND	10.0	10/05/20 09:51	
2-Methylphenol(o-Cresol)	ug/L	ND	10.0	10/05/20 09:51	
2-Nitroaniline	ug/L	ND	50.0	10/05/20 09:51	
2-Nitrophenol	ug/L	ND	10.0	10/05/20 09:51	
3&4-Methylphenol(m&p Cresol)	ug/L	ND	10.0	10/05/20 09:51	
3,3'-Dichlorobenzidine	ug/L	ND	20.0	10/05/20 09:51	
3-Nitroaniline	ug/L	ND	50.0	10/05/20 09:51	
4,6-Dinitro-2-methylphenol	ug/L	ND	50.0	10/05/20 09:51	
4-Bromophenylphenyl ether	ug/L	ND	10.0	10/05/20 09:51	
4-Chloro-3-methylphenol	ug/L	ND	20.0	10/05/20 09:51	
4-Chloroaniline	ug/L	ND	20.0	10/05/20 09:51	
4-Chlorophenylphenyl ether	ug/L	ND	10.0	10/05/20 09:51	
4-Nitroaniline	ug/L	ND	50.0	10/05/20 09:51	
4-Nitrophenol	ug/L	ND	50.0	10/05/20 09:51	
Acenaphthene	ug/L	ND	10.0	10/05/20 09:51	
Acenaphthylene	ug/L	ND	10.0	10/05/20 09:51	
Anthracene	ug/L	ND	10.0	10/05/20 09:51	
Benzo(a)anthracene	ug/L	ND	10.0	10/05/20 09:51	
Benzo(a)pyrene	ug/L	ND	10.0	10/05/20 09:51	
Benzo(b)fluoranthene	ug/L	ND	10.0	10/05/20 09:51	
Benzo(g,h,i)perylene	ug/L	ND	10.0	10/05/20 09:51	
Benzo(k)fluoranthene	ug/L	ND	10.0	10/05/20 09:51	
Benzoic Acid	ug/L	ND	50.0	10/05/20 09:51	
Benzyl alcohol	ug/L	ND	20.0	10/05/20 09:51	
bis(2-Chloroethoxy)methane	ug/L	ND	10.0	10/05/20 09:51	
bis(2-Chloroethyl) ether	ug/L	ND	10.0	10/05/20 09:51	
bis(2-Chloroisopropyl) ether	ug/L	ND	10.0	10/05/20 09:51	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: PINE LAWN

Pace Project No.: 60349564

METHOD BLANK: 2748452

Matrix: Water

Associated Lab Samples: 60349564001, 60349564002, 60349564003, 60349564004, 60349564005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
bis(2-Ethylhexyl)phthalate	ug/L	ND	20.0	10/05/20 09:51	
Butylbenzylphthalate	ug/L	ND	20.0	10/05/20 09:51	
Carbazole	ug/L	ND	10.0	10/05/20 09:51	
Chrysene	ug/L	ND	10.0	10/05/20 09:51	
Di-n-butylphthalate	ug/L	ND	10.0	10/05/20 09:51	
Di-n-octylphthalate	ug/L	ND	10.0	10/05/20 09:51	
Dibenz(a,h)anthracene	ug/L	ND	10.0	10/05/20 09:51	
Dibenzofuran	ug/L	ND	10.0	10/05/20 09:51	
Diethylphthalate	ug/L	ND	10.0	10/05/20 09:51	
Dimethylphthalate	ug/L	ND	10.0	10/05/20 09:51	
Fluoranthene	ug/L	ND	10.0	10/05/20 09:51	
Fluorene	ug/L	ND	10.0	10/05/20 09:51	
Hexachloro-1,3-butadiene	ug/L	ND	10.0	10/05/20 09:51	
Hexachlorobenzene	ug/L	ND	10.0	10/05/20 09:51	
Hexachlorocyclopentadiene	ug/L	ND	10.0	10/05/20 09:51	
Hexachloroethane	ug/L	ND	10.0	10/05/20 09:51	
Indeno(1,2,3-cd)pyrene	ug/L	ND	10.0	10/05/20 09:51	
Isophorone	ug/L	ND	10.0	10/05/20 09:51	
N-Nitroso-di-n-propylamine	ug/L	ND	10.0	10/05/20 09:51	
N-Nitrosodiphenylamine	ug/L	ND	10.0	10/05/20 09:51	
Naphthalene	ug/L	ND	10.0	10/05/20 09:51	
Nitrobenzene	ug/L	ND	10.0	10/05/20 09:51	
Pentachlorophenol	ug/L	ND	50.0	10/05/20 09:51	
Phenanthrene	ug/L	ND	10.0	10/05/20 09:51	
Phenol	ug/L	ND	10.0	10/05/20 09:51	
Pyrene	ug/L	ND	10.0	10/05/20 09:51	
Pyridine	ug/L	ND	10.0	10/05/20 09:51	
2,4,6-Tribromophenol (S)	%	58	16-114	10/05/20 09:51	
2-Fluorobiphenyl (S)	%	56	29-108	10/05/20 09:51	
2-Fluorophenol (S)	%	36	11-64	10/05/20 09:51	
Nitrobenzene-d5 (S)	%	54	27-106	10/05/20 09:51	
Phenol-d6 (S)	%	27	10-44	10/05/20 09:51	
Terphenyl-d14 (S)	%	84	34-129	10/05/20 09:51	

LABORATORY CONTROL SAMPLE: 2748453

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2,4-Trichlorobenzene	ug/L	50	19.9	40	22-109	
1,2-Dichlorobenzene	ug/L	50	19.9	40	18-107	
1,3-Dichlorobenzene	ug/L	50	18.9	38	16-105	
1,4-Dichlorobenzene	ug/L	50	19.0	38	17-105	
2,4,5-Trichlorophenol	ug/L	50	25.8J	52	25-126	
2,4,6-Trichlorophenol	ug/L	50	25.2	50	23-124	
2,4-Dichlorophenol	ug/L	50	23.1	46	26-116	

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QUALITY CONTROL DATA

Project: PINE LAWN

Pace Project No.: 60349564

LABORATORY CONTROL SAMPLE: 2748453

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
2,4-Dimethylphenol	ug/L	50	22.3	45	36-98	
2,4-Dinitrophenol	ug/L	50	28.9J	58	11-138	
2,4-Dinitrotoluene	ug/L	50	29.6	59	30-127	
2,6-Dinitrotoluene	ug/L	50	26.8	54	30-125	
2-Chloronaphthalene	ug/L	50	23.2	46	28-115	
2-Chlorophenol	ug/L	50	21.5	43	25-107	
2-Methylnaphthalene	ug/L	50	23.2	46	25-112	
2-Methylphenol(o-Cresol)	ug/L	50	20.9	42	30-94	
2-Nitroaniline	ug/L	50	25.9J	52	29-126	
2-Nitrophenol	ug/L	50	23.4	47	26-122	
3&4-Methylphenol(m&p Cresol)	ug/L	50	19.7	39	26-89	
3,3'-Dichlorobenzidine	ug/L	50	31.7	63	24-140	
3-Nitroaniline	ug/L	50	25.6J	51	30-139	
4,6-Dinitro-2-methylphenol	ug/L	50	28.4J	57	21-135	
4-Bromophenylphenyl ether	ug/L	50	26.8	54	30-121	
4-Chloro-3-methylphenol	ug/L	50	25.0	50	28-117	
4-Chloroaniline	ug/L	50	17.3J	35	22-136	
4-Chlorophenylphenyl ether	ug/L	50	25.6	51	30-119	
4-Nitroaniline	ug/L	50	29.8J	60	31-129	
4-Nitrophenol	ug/L	50	18.2J	36	10-64	
Acenaphthene	ug/L	50	25.4	51	29-117	
Acenaphthylene	ug/L	50	26.3	53	27-119	
Anthracene	ug/L	50	28.9	58	27-124	
Benzo(a)anthracene	ug/L	50	36.6	73	30-124	
Benzo(a)pyrene	ug/L	50	35.7	71	29-123	
Benzo(b)fluoranthene	ug/L	50	37.1	74	29-127	
Benzo(g,h,i)perylene	ug/L	50	36.0	72	30-124	
Benzo(k)fluoranthene	ug/L	50	36.1	72	29-125	
Benzoic Acid	ug/L	50	14.9J	30	10-71	
Benzyl alcohol	ug/L	50	22.2	44	23-105	
bis(2-Chloroethoxy)methane	ug/L	50	24.0	48	29-115	
bis(2-Chloroethyl) ether	ug/L	50	22.6	45	28-114	
bis(2-Chloroisopropyl) ether	ug/L	50	23.4	47	27-114	
bis(2-Ethylhexyl)phthalate	ug/L	50	41.1	82	35-128	
Butylbenzylphthalate	ug/L	50	42.5	85	28-114	
Carbazole	ug/L	50	33.6	67	31-124	
Chrysene	ug/L	50	36.4	73	31-124	
Di-n-butylphthalate	ug/L	50	37.2	74	29-130	
Di-n-octylphthalate	ug/L	50	42.8	86	27-135	
Dibenz(a,h)anthracene	ug/L	50	35.8	72	30-125	
Dibenzofuran	ug/L	50	25.2	50	30-118	
Diethylphthalate	ug/L	50	30.8	62	30-123	
Dimethylphthalate	ug/L	50	28.1	56	29-121	
Fluoranthene	ug/L	50	33.4	67	31-126	
Fluorene	ug/L	50	26.5	53	30-120	
Hexachloro-1,3-butadiene	ug/L	50	18.3	37	14-107	
Hexachlorobenzene	ug/L	50	27.3	55	29-123	

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QUALITY CONTROL DATA

Project: PINE LAWN

Pace Project No.: 60349564

LABORATORY CONTROL SAMPLE: 2748453

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Hexachlorocyclopentadiene	ug/L	50	17.6	35	10-56	
Hexachloroethane	ug/L	50	17.6	35	14-103	
Indeno(1,2,3-cd)pyrene	ug/L	50	35.5	71	29-124	
Isophorone	ug/L	50	25.9	52	29-117	
N-Nitroso-di-n-propylamine	ug/L	50	24.9	50	28-117	
N-Nitrosodiphenylamine	ug/L	50	27.6	55	30-122	
Naphthalene	ug/L	50	22.5	45	25-111	
Nitrobenzene	ug/L	50	23.3	47	28-116	
Pentachlorophenol	ug/L	50	31.7J	63	17-134	
Phenanthrene	ug/L	50	29.9	60	30-121	
Phenol	ug/L	50	11.4	23	10-58	
Pyrene	ug/L	50	34.5	69	31-124	
Pyridine	ug/L	50	ND	5	10-73	1e
2,4,6-Tribromophenol (S)	%			59	16-114	
2-Fluorobiphenyl (S)	%			49	29-108	
2-Fluorophenol (S)	%			30	11-64	
Nitrobenzene-d5 (S)	%			48	27-106	
Phenol-d6 (S)	%			22	10-44	
Terphenyl-d14 (S)	%			74	34-129	

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QUALIFIERS

Project: PINE LAWN

Pace Project No.: 60349564

DEFINITIONS

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

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

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

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

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

S - Surrogate

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

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

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

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

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

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

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

- | | |
|----|---|
| 1e | Analyte recovery in the laboratory control sample (LCS) was below QC limits. Results for this analyte in associated samples may be biased low. Note: No further action was taken due to sample holding time violations. |
| 2e | Surrogate recovery outside laboratory control limits (low), no further action was due to holding time violations. |
| D3 | Sample was diluted due to the presence of high levels of non-target analytes or other matrix interference. |
| L2 | Analyte recovery in the laboratory control sample (LCS) was below QC limits. Results for this analyte in associated samples may be biased low. |
| M1 | Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery. |

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: PINE LAWN

Pace Project No.: 60349564

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
60349564001	DPT-12-GW-(24-29)	EPA 3510	680721	EPA 8082	680888
60349564002	DPT-12-GW-(24-29)-FD	EPA 3510	680721	EPA 8082	680888
60349564003	PINE LAWN-FB5	EPA 3510	680721	EPA 8082	680888
60349564004	DPT-20-GW-(25-30)	EPA 3510	680721	EPA 8082	680888
60349564005	DPT-20-GW-(25-30)-FD	EPA 3510	680721	EPA 8082	680888
60349564001	DPT-12-GW-(24-29)	EPA 3010	680870	EPA 6010	680985
60349564002	DPT-12-GW-(24-29)-FD	EPA 3010	680870	EPA 6010	680985
60349564003	PINE LAWN-FB5	EPA 3010	680870	EPA 6010	680985
60349564004	DPT-20-GW-(25-30)	EPA 3010	680870	EPA 6010	680985
60349564005	DPT-20-GW-(25-30)-FD	EPA 3010	680870	EPA 6010	680985
60349564001	DPT-12-GW-(24-29)	EPA 3010	680871	EPA 6010	680986
60349564002	DPT-12-GW-(24-29)-FD	EPA 3010	680871	EPA 6010	680986
60349564003	PINE LAWN-FB5	EPA 3010	680871	EPA 6010	680986
60349564004	DPT-20-GW-(25-30)	EPA 3010	680871	EPA 6010	680986
60349564005	DPT-20-GW-(25-30)-FD	EPA 3010	680871	EPA 6010	680986
60349564001	DPT-12-GW-(24-29)	EPA 7470	679620	EPA 7470	679743
60349564002	DPT-12-GW-(24-29)-FD	EPA 7470	679620	EPA 7470	679743
60349564003	PINE LAWN-FB5	EPA 7470	679620	EPA 7470	679743
60349564004	DPT-20-GW-(25-30)	EPA 7470	679620	EPA 7470	679743
60349564005	DPT-20-GW-(25-30)-FD	EPA 7470	679620	EPA 7470	679743
60349564001	DPT-12-GW-(24-29)	EPA 7470	679617	EPA 7470	679742
60349564002	DPT-12-GW-(24-29)-FD	EPA 7470	679617	EPA 7470	679742
60349564003	PINE LAWN-FB5	EPA 7470	679617	EPA 7470	679742
60349564004	DPT-20-GW-(25-30)	EPA 7470	679617	EPA 7470	679742
60349564005	DPT-20-GW-(25-30)-FD	EPA 7470	679617	EPA 7470	679742
60349564001	DPT-12-GW-(24-29)	EPA 3510C	679792	EPA 8270	681075
60349564002	DPT-12-GW-(24-29)-FD	EPA 3510C	679792	EPA 8270	681075
60349564003	PINE LAWN-FB5	EPA 3510C	679792	EPA 8270	681075
60349564004	DPT-20-GW-(25-30)	EPA 3510C	679792	EPA 8270	681075
60349564005	DPT-20-GW-(25-30)-FD	EPA 3510C	679792	EPA 8270	681075
60349564001	DPT-12-GW-(24-29)	EPA 3510	679795	EPA 8270	680727
60349564002	DPT-12-GW-(24-29)-FD	EPA 3510	679795	EPA 8270	680727
60349564003	PINE LAWN-FB5	EPA 3510	679795	EPA 8270	680727
60349564004	DPT-20-GW-(25-30)	EPA 3510	679795	EPA 8270	680727
60349564005	DPT-20-GW-(25-30)-FD	EPA 3510	679795	EPA 8270	680727
60349564001	DPT-12-GW-(24-29)	EPA 5030B/8260	679540		
60349564002	DPT-12-GW-(24-29)-FD	EPA 5030B/8260	679540		
60349564003	PINE LAWN-FB5	EPA 5030B/8260	679540		
60349564004	DPT-20-GW-(25-30)	EPA 5030B/8260	679540		
60349564005	DPT-20-GW-(25-30)-FD	EPA 5030B/8260	679540		
60349564006	PINE LAWN-GW-TB10	EPA 5030B/8260	679540		
60349564001	DPT-12-GW-(24-29)	EPA 8260	679955		
60349564002	DPT-12-GW-(24-29)-FD	EPA 8260	679955		
60349564003	PINE LAWN-FB5	EPA 8260	679955		
60349564004	DPT-20-GW-(25-30)	EPA 8260	679955		

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: PINE LAWN

Pace Project No.: 60349564

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
60349564005	DPT-20-GW-(25-30)-FD	EPA 8260	679955		

REPORT OF LABORATORY ANALYSIS

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**Sample Condition Upon Receipt****WO# : 60349564**Client Name: Tetra Tech EMICourier: FedEx ☐ UPS ☐ VIA ☐ Clay ☐ PEX ☐ ECI ☐ Pace ☐ Xroads ☒ Client ☐ Other ☐Tracking #: _____ Pace Shipping Label Used? Yes ☐ No ☐Custody Seal on Cooler/Box Present: Yes ☒ No ☐ Seals intact: Yes ☒ No ☐Packing Material: Bubble Wrap ☐ Bubble Bags ☒ Foam ☐ None ☐ Other ☒ EPICThermometer Used: 5295 Type of Ice: Wet Blue ☐ None ☐Cooler Temperature (°C): As-read 4.10 Corr. Factor +0.4 Corrected 5.0Date and initials of person
examining contents: 09/20/20 JMS

Temperature should be above freezing to 6°C

Chain of Custody present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Chain of Custody relinquished:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Samples arrived within holding time:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Short Hold Time analyses (<72hr):	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	
Rush Turn Around Time requested:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	
Sufficient volume:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Correct containers used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Pace containers used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Containers intact:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Unpreserved 5035A / TX1005/1006 soils frozen in 48hrs?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
Filtered volume received for dissolved tests?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Sample labels match COC: Date / time / ID / analyses	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Samples contain multiple phases? Matrix: <u>✓</u>	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	
Containers requiring pH preservation in compliance? (HNO ₃ , H ₂ SO ₄ , HCl<2; NaOH>9 Sulfide, NaOH>10 Cyanide) (Exceptions: VOA, Micro, O&G, KS TPH, OK-DRO)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	List sample IDs, volumes, lot #'s of preservative and the date/time added. <u>Initial pH of BP3N for sample 5 was 7.0. Added 2.0 mL HNO₃ (Lot #27008) on 9/20/20 @ 1439. Final pH is 1.0.</u>
Cyanide water sample checks:		
Lead acetate strip turns dark? (Record only)	<input type="checkbox"/> Yes <input type="checkbox"/> No	
Potassium iodide test strip turns blue/purple? (Preserve)	<input type="checkbox"/> Yes <input type="checkbox"/> No	
Trip Blank present:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Headspace in VOA vials (>6mm):	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Samples from USDA Regulated Area: State:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Additional labels attached to 5035A / TX1005 vials in the field?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	

Client Notification/ Resolution:

Copy COC to Client? Y / N

Field Data Required? Y / N

Person Contacted: _____

Date/Time: _____

Comments/ Resolution: _____

Project Manager Review:

Jeffrey Shopper

Date: _____

CHAIN-OF-CUSTODY / Analytical Request Document

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

Section A		Section B		Section C	
Required Client Information:		Required Project Information:		Invoice Information:	
Company:	Tetra Tech EMI	Report To:	Kailyn Mitchell	Attention:	Kailyn Mitchell
Address:	415 Oak	Copy To:		Company Name:	Tetra Tech EMI
	Kansas City, MO 64106			Address:	
Email To:	kailyn.mitchell@tetratech.com	Purchase Order No.:		Pace Quote Reference:	
Phone:	(816) 412-1742	Project Name:	Pine Lawn	Pace Project Manager:	Jeffrey Shopper 913-563-1408
Fax:	(816) 410-1748	Project Number:		Pace Profile #:	8083
Requested Due Date/TAT:					
<div style="float: right; margin-top: -10px;"> Page: of </div>					
REGULATORY AGENCY					
<input type="checkbox"/>	NPDES	<input type="checkbox"/>	GROUND WATER	<input type="checkbox"/>	DRINKING WATER
<input type="checkbox"/>	UST	<input type="checkbox"/>	RCRA	<input type="checkbox"/>	OTHER
Site Location				MO	
STATE:					

ITEM #	Section D Required Client Information		Valid Matrix Codes		Matrix Code (see valid codes to left)		Sample Type (G=GRAB C=COMP)		Collected		Sample Temp at Collection		Preservatives		Requested Analysis Filtered (Y/N)		Pace Project No / Lab I.D.				
	MATRIX	CODE	MATRIX	CODE	DATE	TIME	DATE	TIME	COMPOSITE START	COMPOSITE END	DATE	TIME	UNPRESERVED	H ₂ SO ₄	HNO ₃	HCl	NaOH	Na ₂ S ₂ O ₃	Methanol	Other	
1	DIT-12-FW-(24-29)				08/15/20	0840						13.6									
2	DIT-12-GW-(24-29)-FD				08/15/20	0840						12.6									
3	Pine Lawn-FB6				08/15/20	1315						13.6									
4	DIT-20-GW-(25-30)				08/15/20	1049						13.6									
5	DIT-20-GW-(25-30)-FD				08/15/20	1049						13.6									
6	Pine Lawn-GW-B10				08/15/20	1135						2									
7																					
8																					
9																					
10																					
11																					
12																					

0024195019

SAMPLE ID
(A-Z, 0-9 / -)
Sample IDs MUST BE UNIQUE

ADDITIONAL COMMENTS
 Thomas Haley 08/15/20 1209 mmm/pac 4/20/2005305.0 y y y
 Received on Ice (Y/N) Custody Sealed Cooler (Y/N) Samples Intact (Y/N)

Section D
Required Client Information
 Valid Matrix Codes
 MATRIX CODE
 DRINKING WATER DW
 WASTE WATER WW
 PRODUCT P
 SLURRY S
 CH WIP
 AIR AR
 OTHER OT
 TISSUE TS

MATRIX CODE (see valid codes to left)
 SAMPLE TYPE (G=GRAB C=COMP)
 COLLECTED
 COMPOSITE START
 COMPOSITE END
 SAMPLE TEMP AT COLLECTION
 PRESERVATIVES
 UNPRESERVED
 H₂SO₄
 HNO₃
 HCl
 NaOH
 Na₂S₂O₃
 Methanol
 Other
 REQUESTED ANALYSIS FILTERED (Y/N)
 PACE PROJECT NO / LAB I.D.

SAMPLER NAME AND SIGNATURE
 PRINT NAME OF SAMPLER: Thomas Haley & Stephanie 08/15/20
 SIGNATURE OF SAMPLER: [Signature]
 DATE SIGNED (MM/DD/YYYY): 08/15/20

DATA VERIFICATION REPORT

Preparer: Ann Weise
Date: October 26, 2020
Site Name/Job Number: Pine Lawn / 103G65210190.02.03.07

Laboratory: Pace Analytical, Lenexa, KS

Data Package or SDG Number: 60348944

Sample Designations/Names:

DPT-1-SO-(5.5-6.5)	DPT-2-SO-(3-5)	DPT-3-SO-(28-28.8)	DPT-3-SO-(28-28.8)-FD	DPT-4-SO-(28-29)
PINE LAWN-SO-TB1	DPT-5-SO-(15-16)	PINE LAWN-FB1		

Matrices: Soil

Analytical Parameters: Polychlorinated Biphenyls (PCB) by 8082, Metals by 6010, Mercury by 7470, semivolatile organic compounds (SVOC) and diesel range organics (DRO) and oil range organics (ORO) by 8270, volatile organic compounds and gasoline range organics (GRO) by 8260

Data Package Element	Usable	Rejected	NA	Description of Affected Data (note specific samples and analytical parameters affected)
Chain of custody	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	The chain of custody was completed appropriately. There is a transcription error in the data package for sample DPT-5-SO-(15-16).
Data package completeness	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Package contains all the required elements.
Sample preservation, storage, and holding times	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	The samples were received on 9/22/2020; the samples arrived in good condition at 2.6° C. Samples were analyzed within the recommended method holding times.
Method and field blank contamination	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	The method blanks were nondetect for all target analytes. The trip blank had detectable toluene. No site sample associated with this trip blank had toluene; thus, no qualification of the results is recommended. The field blank had detectable levels of barium. The following qualifications are recommended due to barium in the field blank: DPT-3-SO-(28-28.8)-FD 55.9 J+ DPT-4-SO-(28-29) 49.7 J+

Data Package Element	Usable	Rejected	NA	Description of Affected Data (note specific samples and analytical parameters affected)
Surrogate spikes	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Surrogate spikes were within acceptable limits, except for low recovery of 2-fluorobiphenyl and nitrobenzene-d5 in samples DPT-12-GW-(24-29), DPT-12-GW-(24-29)-FD, and DPT-20-GW-(25-30)-FD. In addition, recovery of terphenyl-d14 was low in sample DPT-20-GW-(25-30)-FD. The result is likely attributable to matrix interference rather than a laboratory issue. No qualification is recommended.
Matrix spikes/matrix spike duplicates (MS/MSD)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	MS/MSD were performed and all results were within control limits, except for lead and mercury. Batch was accepted based on the LCS results.
Laboratory control samples/Laboratory control sample duplicates (LCS/LCSD)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	LCS were performed and all analytes were within control limits except for 1,1,1,2-tetrachloromethane, 1,1,1-trichloroethane, and dichlorodifluoromethane in the LCS associated with PINE LAWN FB-1. In addition, the recovery for benzoic acid (soil) exceeded the QC criteria. Benzoic acid was not detected in any site samples in this group; thus, no qualification of the result is recommended.
Other	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Dichlorodifluoromethane was low in the initial calibration and did not meet the secondary source verification criteria. Dichlorodifluoromethane was not detected in any sample and no qualification of the results is recommended.

Summary

Data are usable as reported by the laboratory. Qualifications of two barium result are recommended as indicated above.

The following are comparisons of detected field duplicate results:

Sample ID	Duplicate ID	Group	Analyte	Original Result	Duplicate Result	Units	RPD
DPT-3-SO-(28-28.8)	DPT-3-SO-(28-28.8)-FD	METALS	ARSENIC	4.1	1.6	mg/kg	87.7
DPT-3-SO-(28-28.8)	DPT-3-SO-(28-28.8)-FD	METALS	BARIUM	103	55.9	mg/kg	59.3
DPT-3-SO-(28-28.8)	DPT-3-SO-(28-28.8)-FD	METALS	CHROMIUM	85.1	42.6	mg/kg	66.6
DPT-3-SO-(28-28.8)	DPT-3-SO-(28-28.8)-FD	METALS	LEAD	2.7	4.7	mg/kg	54.1

DATA VERIFICATION REPORT

Preparer: Ann Weise
Date: October 25, 2020
Site Name/Job Number: Pine Lawn / 103G65210190.02.03.07

Laboratory: Pace Analytical, Lenexa, KS

Data Package or SDG Number: 60349230

Sample Designations/Names:

DPT-9-SO-(29-30) DPT-10-SO-(29-30) PINE LAWN-SO-TB4 DPT-11-SO-(2-3) DPT-11-SO-(12-13)
DPT-11-SO-(29-30)

Matrices: Soil

Analytical Parameters: Polychlorinated Biphenyls (PCB) by 8082, Metals by 6010, Mercury by 7470, semivolatile organic compounds (SVOC) and diesel range organics (DRO) and oil range organics (ORO) by 8270, volatile organic compounds and gasoline range organics (GRO) by 8260

Data Package Element	Usable	Rejected	NA	Description of Affected Data (note specific samples and analytical parameters affected)
Chain of custody	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	The chain of custody was completed appropriately, except the analysis was not identified correctly for the trip blank. In spite of the error on the chain of custody, the correct volatiles analysis (8260) was performed on the trip blank.
Data package completeness	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Package contains all the required elements.
Sample preservation, storage, and holding times	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	The samples were received on 9/23/2020; the samples arrived in good condition at 1.3° C. Samples were analyzed within the recommended method holding times.
Method and field blank contamination	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	The method blanks were nondetect for all target analytes.
Surrogate spikes	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Surrogate spikes were within acceptable limits, except for nitrobenzene-d5 in sample DPT-11-SO-(2-3). The result was attributed to sample dilution.
Matrix spikes/matrix spike duplicates (MS/MSD)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	MS/MSD were performed and all results were within control limits.
Laboratory control samples/Laboratory control sample duplicates (LCS/LCSD)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	LCS was performed and all analytes were within control limits, except for benzoic acid. Benzoic acid was not detected in any site sample; thus, no qualification of the results is recommended.

Data Package Element	Usable	Rejected	NA	Description of Affected Data (note specific samples and analytical parameters affected)
Other	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Dichlorodifluoromethane did not meet the secondary source verification criteria for the initial calibration. The analyte was not detected in any sample.
Summary Data are usable as reported by the laboratory. No qualifications appear to be necessary.				

DATA VERIFICATION REPORT

Preparer: Ann Weise
Date: October 25, 2020
Site Name/Job Number: Pine Lawn / 103G65210190.02.03.07

Laboratory: Pace Analytical, Lenexa, KS

Data Package or SDG Number: 60349231

Sample Designations/Names:

DPT-7-SO-(2-3) DPT-7-SO-(29-30) PINE LAWN-SO-TB3 PINE LAWN-RB DPT-8-SO-(29-30)
 DPT-8-SO-(29-30)-FD

Matrices: Soil

Analytical Parameters: Polychlorinated Biphenyls (PCB) by 8082, Metals by 6010, Mercury by 7470, semivolatile organic compounds (SVOC) and diesel range organics (DRO) and oil range organics (ORO) by 8270, volatile organic compounds and gasoline range organics (GRO) by 8260

Data Package Element	Usable	Rejected	NA	Description of Affected Data (note specific samples and analytical parameters affected)
Chain of custody	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	The chain of custody was completed appropriately.
Data package completeness	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Package contains all the required elements.
Sample preservation, storage, and holding times	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	The samples were received on 9/23/2020; the samples arrived in good condition at 3.2° C. Samples were analyzed within the recommended method holding times.
Method and field blank contamination	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	The method blank and rinsate blank were nondetect for all target analytes. The trip blank had detectable toluene. Toluene was not detected in any site sample; thus, no qualification of the results is recommended.
Surrogate spikes	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Surrogate spikes were within acceptable limits, except for the rinsate blank. The recovery exceeded QC limits in all instances. Thus any detected results associated with these surrogates would be qualified J+. However, no associated analytes were detected; thus, no qualification is recommended.
Matrix spikes/matrix spike duplicates (MS/MSD)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	MS/MSD were performed and all results were within control limits, except for acetone, benzene, chlorobenzene, and TPH-DRO. The batch was accepted based on LCS results.

Data Package Element	Usable	Rejected	NA	Description of Affected Data (note specific samples and analytical parameters affected)
Laboratory control samples/Laboratory control sample duplicates (LCS/LCSD)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	LCS was performed and all analytes were within control limits, except for benzoic acid, which was above QC limits and dichlorodifluoromethane, which was below QC limits. Neither analyte was detected, so no data qualifiers are necessary.
Other	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

Summary

Data are usable as reported by the laboratory. No qualifications appear to be necessary.

Comparisons of results from field duplicates included in this data package are as follows:

Sample ID	Duplicate ID	Group	Analyte	Original Result	Duplicate Result	Units	RPD
DPT-8-SO-(29-30)	DPT-8-SO-(29-30)-FD	METALS	ARSENIC	3.3	2.8	mg/kg	16.4
DPT-8-SO-(29-30)	DPT-8-SO-(29-30)-FD	METALS	BARIUM	83.9	81	mg/kg	3.5
DPT-8-SO-(29-30)	DPT-8-SO-(29-30)-FD	METALS	CHROMIUM	31	28.3	mg/kg	9.1
DPT-8-SO-(29-30)	DPT-8-SO-(29-30)-FD	METALS	LEAD	8	6.7	mg/kg	17.7

DATA VERIFICATION REPORT

Preparer: Ann Weise
Date: October 26, 2020
Site Name/Job Number: Pine Lawn / 103G65210190.02.03.07

Laboratory: Pace Analytical, Lenexa, KS

Data Package or SDG Number: 60349234

Sample Designations/Names:

DPT-6-SO-(15-16) DPT-5-GW-(15-20) DPT-6-GW-(15-20) DPT-2-GW-(24-29) PINE LAWN-FB2
 PINE LAWN-GW-TB2

Matrices: Soil and Groundwater

Analytical Parameters: Polychlorinated Biphenyls (PCB) by 8082, Metals by 6010, Mercury by 7470, semivolatile organic compounds (SVOC) and diesel range organics (DRO) and oil range organics (ORO) by 8270, volatile organic compounds and gasoline range organics (GRO) by 8260

Data Package Element	Usable	Rejected	NA	Description of Affected Data (note specific samples and analytical parameters affected)
Chain of custody	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	The chain of custody was completed appropriately.
Data package completeness	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Package contains all the required elements.
Sample preservation, storage, and holding times	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	The samples were received on 9/23/2020; the samples arrived in good condition at 0.1° C. Samples were analyzed within the recommended method holding times.
Method and field blank contamination	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	The method blanks, field blank, and trip blank were nondetect for all target analytes.
Surrogate spikes	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Surrogate spikes were within acceptable limits, except for 2-fluorophenol and phenol-d6 in samples DPT-2-GW-(24-29) and DPT-6-GW-(15-20), and terphenyl-d14 in samples DPT-2-GW-(24-29), DPT-5-GW-(15-20), and DPT-6-GW-(15-20). The recovery exceeded QC limits in all instances. Thus any detected results associated with these surrogates would be qualified J+. However, no associated analytes were detected; thus, no qualification is recommended.

Data Package Element	Usable	Rejected	NA	Description of Affected Data (note specific samples and analytical parameters affected)
Matrix spikes/matrix spike duplicates (MS/MSD)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	MS/MSD were performed and all results were within control limits, except for acetone, benzene, chlorobenzene, and TPH-DRO. The batch was accepted based on LCS results.
Laboratory control samples/Laboratory control sample duplicates (LCS/LCSD)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	LCS was performed and all analytes were within control limits, except benzoic acid was above QC limits and dichlorodifluoromethane was below QC limits. Neither analyte was detected so no data qualifiers are necessary.
Other	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Dichlorodifluoromethane did not meet the secondary source verification criteria for the initial calibration. The analyte was not detected in any sample.
Summary Data are usable as reported by the laboratory. No qualifications appear to be necessary.				

DATA VERIFICATION REPORT

Preparer: Ann Weise
Date: October 25, 2020
Site Name/Job Number: Pine Lawn / 103G65210190.02.03.07

Laboratory: Pace Analytical, Lenexa, KS

Data Package or SDG Number: 60349310

Sample Designations/Names:

DPT-15-SO-(29-30) DPT-16-SO-(29-30) DPT-11-GW-(25-30) DPT-11-GW-(25-30)-FD PINE LAWN-FB3
PINE LAWN-GW-TB6 DPT-17-SO-(3-5)

Matrices: Soil and Groundwater

Analytical Parameters: Polychlorinated Biphenyls (PCB) by 8082, Metals by 6010, Mercury by 7470, semivolatile organic compounds (SVOC) and diesel range organics (DRO) and oil range organics (ORO) by 8270, volatile organic compounds and gasoline range organics (GRO) by 8260

Data Package Element	Usable	Rejected	NA	Description of Affected Data (note specific samples and analytical parameters affected)
Chain of custody	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	The chain of custody was completed appropriately.
Data package completeness	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Package contains all the required elements.
Sample preservation, storage, and holding times	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	The samples were received on 9/24/2020; the samples arrived in good condition at 3.4° C. Samples were analyzed within the recommended method holding times.
Method and field blank contamination	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	The method blanks, trip blank, and field blank were nondetect for all target analytes.

Data Package Element	Usable	Rejected	NA	Description of Affected Data (note specific samples and analytical parameters affected)																					
Surrogate spikes	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<div>Surrogate spikes were within acceptable limits, except for 4-bromofluorobenzene and 1,2-dichloroethane-d4. The 1,2-dichloroethane-d4 recovery was low and was attributable to matrix interference. No qualification is recommended. The 4-bromofluorobenzene exceeded the QC limit results in the following data qualifier recommendations:</div> <table><tr><td></td><td>DPT-11-GW-(25-30)</td><td>DPT-11-GW-(25-30)-FD</td></tr><tr><td>Isopropylbenzene (Cumene)</td><td>27.4 J+</td><td>28.6 J+</td></tr><tr><td>n-Butylbenzene</td><td>22.9 J+</td><td>22.5 J+</td></tr><tr><td>n-Propylbenzene</td><td>52.6 J+</td><td>51.5 J+</td></tr><tr><td>p-Isopropyltoluene</td><td>16 J+</td><td>15.5 J+</td></tr><tr><td>sec-Butylbenzene</td><td>15 J+</td><td>14.3 J+</td></tr><tr><td>tert-Butylbenzene</td><td>2.1 J+</td><td>1.9 J+</td></tr></table>		DPT-11-GW-(25-30)	DPT-11-GW-(25-30)-FD	Isopropylbenzene (Cumene)	27.4 J+	28.6 J+	n-Butylbenzene	22.9 J+	22.5 J+	n-Propylbenzene	52.6 J+	51.5 J+	p-Isopropyltoluene	16 J+	15.5 J+	sec-Butylbenzene	15 J+	14.3 J+	tert-Butylbenzene	2.1 J+	1.9 J+
	DPT-11-GW-(25-30)	DPT-11-GW-(25-30)-FD																							
Isopropylbenzene (Cumene)	27.4 J+	28.6 J+																							
n-Butylbenzene	22.9 J+	22.5 J+																							
n-Propylbenzene	52.6 J+	51.5 J+																							
p-Isopropyltoluene	16 J+	15.5 J+																							
sec-Butylbenzene	15 J+	14.3 J+																							
tert-Butylbenzene	2.1 J+	1.9 J+																							
Matrix spikes/matrix spike duplicates (MS/MSD)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	MS/MSD were performed and all results were within control limits, except for barium (soil), and acetone, benzene, and chlorobenzene (groundwater). Batch was accepted based on the LCS results.																					
Laboratory control samples/Laboratory control sample duplicates (LCS/LCSD)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	LCS was performed and all analytes were within control limits, except benzoic acid was higher than the QC limit, and dichlorofluoromethane and pyridine were lower than the QC limit. None of the analytes was detected in any site sample; thus, no data qualifiers are recommended.																					
Other	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Dichlorodifluoromethane did not meet the secondary source verification criteria for the initial calibration. The analyte was not detected in any sample.																					

Data Package Element	Usable	Rejected	NA	Description of Affected Data (note specific samples and analytical parameters affected)			
Summary							
Data are usable as reported by the laboratory. Qualifications of results are recommended as noted above.							
Comparisons of results from field duplicates included in this data package are as follows:							
Sample ID	Duplicate ID	Group	Analyte	Original Result	Duplicate Result	Units	RPD
DPT-11-GW-(25-30)	DPT-11-GW-(25-30)-FD	VOC	Chloroform	2.8	2.6	µg/L	7.4
DPT-11-GW-(25-30)	DPT-11-GW-(25-30)-FD	VOC	Ethylbenzene	2.9	3.2	µg/L	9.8
DPT-11-GW-(25-30)	DPT-11-GW-(25-30)-FD	VOC	Isopropylbenzene (Cumene)	27.4	28.6	µg/L	4.3
DPT-11-GW-(25-30)	DPT-11-GW-(25-30)-FD	VOC	n-Butylbenzene	22.9	22.5	µg/L	1.8
DPT-11-GW-(25-30)	DPT-11-GW-(25-30)-FD	VOC	n-Propylbenzene	52.6	51.5	µg/L	2.1
DPT-11-GW-(25-30)	DPT-11-GW-(25-30)-FD	VOC	p-Isopropyltoluene	16	15.5	µg/L	3.2
DPT-11-GW-(25-30)	DPT-11-GW-(25-30)-FD	VOC	sec-Butylbenzene	15	14.3	µg/L	4.8
DPT-11-GW-(25-30)	DPT-11-GW-(25-30)-FD	VOC	tert-Butylbenzene	2.1	1.9	µg/L	10.0
DPT-11-GW-(25-30)	DPT-11-GW-(25-30)-FD	TPH	TPH-DRO	14.3	5	mg/L	96.4
DPT-11-GW-(25-30)	DPT-11-GW-(25-30)-FD	TPH	TPH-GRO	6280	4690	µg/L	29.0
DPT-11-GW-(25-30)	DPT-11-GW-(25-30)-FD	TMETALS	ARSENIC	59.2	59.5	µg/L	0.5
DPT-11-GW-(25-30)	DPT-11-GW-(25-30)-FD	TMETALS	BARIUM	5340	5710	µg/L	6.7
DPT-11-GW-(25-30)	DPT-11-GW-(25-30)-FD	TMETALS	CHROMIUM	289	308	µg/L	6.4
DPT-11-GW-(25-30)	DPT-11-GW-(25-30)-FD	TMETALS	LEAD	376	314	µg/L	18.0
DPT-11-GW-(25-30)	DPT-11-GW-(25-30)-FD	TMETALS	MERCURY	1	1	µg/L	0.0
DPT-11-GW-(25-30)	DPT-11-GW-(25-30)-FD	DMETALS	BARIUM	412	402	µg/L	2.5

DATA VERIFICATION REPORT

Preparer: Ann Weise
Date: October 25, 2020
Site Name/Job Number: Pine Lawn / 103G65210190.02.03.07

Laboratory: Pace Analytical, Lenexa, KS

Data Package or SDG Number: 60349351

Sample Designations/Names:

DPT-18-SO-(29-30) DPT-19-SO-(29-30) DPT-20-SO-(10-11) DPT-21-SO-(15-16) DPT-21-SO-(15-16)-FD
 PINE LAWN-SO-TB7

Matrices: Soil

Analytical Parameters: Polychlorinated Biphenyls (PCB) by 8082, Metals by 6010, Mercury by 7470, semivolatile organic compounds (SVOC) and diesel range organics (DRO) and oil range organics (ORO) by 8270, volatile organic compounds and gasoline range organics (GRO) by 8260

Data Package Element	Usable	Rejected	NA	Description of Affected Data (note specific samples and analytical parameters affected)
Chain of custody	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	The chain of custody was completed appropriately.
Data package completeness	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Package contains all the required elements.
Sample preservation, storage, and holding times	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	The samples were received on 9/24/2020; the samples arrived in good condition at 1.3° C. Samples were analyzed within the recommended method holding times.
Method and field blank contamination	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	The method blank, field blank, and trip blank were nondetect for all target analytes.
Surrogate spikes	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Surrogate spikes were within acceptable limits, except for 2,4,6-tribromophenol which had a low recovery in DPT-19-SO-(29-30). The other surrogate spike for the group (2-fluorobiphenyl) was within QC limits. The result is likely attributable to matrix interference rather than a laboratory issue. No qualification is recommended.
Matrix spikes/matrix spike duplicates (MS/MSD)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	MS/MSD were performed and all results were within control limits, except for barium (soil). Batch was accepted based on the LCS results.

Data Package Element	Usable	Rejected	NA	Description of Affected Data (note specific samples and analytical parameters affected)
Laboratory control samples/Laboratory control sample duplicates (LCS/LCSD)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	LCS was performed and all analytes were within control limits, except benzoic acid was above QC limits. This analyte was not detected, and thus no data qualifiers are necessary.
Other	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Dichlorofluoromethane did not meet the secondary source verification criteria for the initial calibration. The analyte was not detected in any sample.

Summary

Data are usable as reported by the laboratory. No qualifications appear to be necessary.

Comparisons of detected results from the field duplicates are as follows:

DPT-21-SO-(15-16)	DPT-21-SO-(15-16)-FD	VOC	1,2,4-Trimethylbenzene	17600	22200	µg/kg	23.1
DPT-21-SO-(15-16)	DPT-21-SO-(15-16)-FD	VOC	1,3,5-Trimethylbenzene	3210	3930	µg/kg	20.2
DPT-21-SO-(15-16)	DPT-21-SO-(15-16)-FD	VOC	Benzene	3950	3320	µg/kg	17.3
DPT-21-SO-(15-16)	DPT-21-SO-(15-16)-FD	VOC	Ethylbenzene	9830	8680	µg/kg	12.4
DPT-21-SO-(15-16)	DPT-21-SO-(15-16)-FD	VOC	Isopropylbenzene (Cumene)	5670	5350	µg/kg	5.8
DPT-21-SO-(15-16)	DPT-21-SO-(15-16)-FD	VOC	Naphthalene	3080	3030	µg/kg	1.6
DPT-21-SO-(15-16)	DPT-21-SO-(15-16)-FD	VOC	n-Butylbenzene	2100	2410	µg/kg	13.7
DPT-21-SO-(15-16)	DPT-21-SO-(15-16)-FD	VOC	n-Propylbenzene	6810	6620	µg/kg	2.8
DPT-21-SO-(15-16)	DPT-21-SO-(15-16)-FD	VOC	p-Isopropyltoluene	1560	1760	µg/kg	12.0
DPT-21-SO-(15-16)	DPT-21-SO-(15-16)-FD	VOC	sec-Butylbenzene	1990	2140	µg/kg	7.3
DPT-21-SO-(15-16)	DPT-21-SO-(15-16)-FD	VOC	Xylene (Total)	12000	12300	µg/kg	2.5
DPT-21-SO-(15-16)	DPT-21-SO-(15-16)-FD	SVOC	2-Methylnaphthalene	1380	1770	µg/kg	24.8
DPT-21-SO-(15-16)	DPT-21-SO-(15-16)-FD	SVOC	Naphthalene	2110	2510	µg/kg	17.3
DPT-21-SO-(15-16)	DPT-21-SO-(15-16)-FD	TPH	TPH-DRO	841	701	mg/kg	18.2
DPT-21-SO-(15-16)	DPT-21-SO-(15-16)-FD	TPH	TPH-GRO	1070	1510	mg/kg	34.1
DPT-21-SO-(15-16)	DPT-21-SO-(15-16)-FD	METALS	ARSENIC	7.3	7.1	mg/kg	2.8
DPT-21-SO-(15-16)	DPT-21-SO-(15-16)-FD	METALS	BARIUM	124	124	mg/kg	0.0
DPT-21-SO-(15-16)	DPT-21-SO-(15-16)-FD	METALS	CHROMIUM	26.2	27.2	mg/kg	3.7
DPT-21-SO-(15-16)	DPT-21-SO-(15-16)-FD	METALS	LEAD	15.5	13	mg/kg	17.5

DATA VERIFICATION REPORT

Preparer: Ann Weise
Date: October 26, 2020
Site Name/Job Number: Pine Lawn / 103G65210190.02.03.07

Laboratory: Pace Analytical, Lenexa, KS

Data Package: 60349352

Sample Designations/Names:

DPT-12-SO-(1-3)	DPT-12-SO-(1-3)-FD	DPT-12-SO-(5-6)	DPT-12-SO-(27-28)	DPT-13-SO-(29-30)
DPT-14-SO-(13-14)	PINE LAWN-SO-TB5			

Matrices: Soil

Analytical Parameters: Polychlorinated Biphenyls (PCB) by 8082, Metals by 6010, Mercury by 7470, semivolatile organic compounds (SVOC) and diesel range organics (DRO) and oil range organics (ORO) by 8270, volatile organic compounds and gasoline range organics (GRO) by 8260

Data Package Element	Usable	Rejected	NA	Description of Affected Data (note specific samples and analytical parameters affected)
Chain of custody	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	The chain of custody was completed appropriately.
Data package completeness	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Package contains all the required elements.
Sample preservation, storage, and holding times	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	The samples were received on 9/24/2020; the samples arrived in good condition at 2.0° C. Samples were analyzed within the recommended method holding times.
Method and field blank contamination	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	The method blanks were nondetect for all target analytes. The trip blank was nondetect except for toluene. Toluene was not detected in any site sample; thus, no qualification of the data is recommended.
Surrogate spikes	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Surrogate spikes were within acceptable limits except for nitrobenzene-d5 in samples DPT-12-SO-(1-3), DPT-12-SO-(5-6), and DPT-12-SO-(5-6)-FD, which were higher than the QC limit. No analytes associated with nitrobenzene-d5 were detected so no qualification of the data is necessary. 2-Fluorobiphenyl and terphenyl-d14 recoveries were low in sample DPT-12-SO-(5-6). This result was attributed to sample dilution and no qualification of the data is recommended.

Data Package Element	Usable	Rejected	NA	Description of Affected Data (note specific samples and analytical parameters affected)
Matrix spikes/matrix spike duplicates (MS/MSD)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	MS/MSD were performed and all results were within control limits, except for barium. Batch was accepted based on LCS results.
Laboratory control samples/Laboratory control sample duplicates (LCS/LCSD)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	LCS was performed and all analytes were within control limits, except benzoic acid was above QC limits. Benzoic acid was not detected in any site sample. so no data qualifiers are necessary.
Other	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Dichlorodifluoromethane did not meet the secondary source verification criteria for the initial calibration. The analyte was not detected in any sample.

Summary

Data are usable as reported by the laboratory. No qualifications appear to be necessary.

Comparisons of results from field duplicates included in this data package are as follows:

Sample ID	Duplicate ID	Group	Analyte	Original Result	Duplicate Result	Units	RPD
DPT-12-SO-(1-3)	DPT-12-SO-(1-3)-FD	VOC	Ethylbenzene	3340	2530	µg/kg	27.6
DPT-12-SO-(1-3)	DPT-12-SO-(1-3)-FD	VOC	Isopropylbenzene (Cumene)	2920	2270	µg/kg	25.0
DPT-12-SO-(1-3)	DPT-12-SO-(1-3)-FD	VOC	Naphthalene	13900	11600	µg/kg	18.0
DPT-12-SO-(1-3)	DPT-12-SO-(1-3)-FD	VOC	n-Butylbenzene	4170	3260	µg/kg	24.5
DPT-12-SO-(1-3)	DPT-12-SO-(1-3)-FD	VOC	n-Propylbenzene	3790	3070	µg/kg	21.0
DPT-12-SO-(1-3)	DPT-12-SO-(1-3)-FD	VOC	sec-Butylbenzene	2790	2210	µg/kg	23.2
DPT-12-SO-(1-3)	DPT-12-SO-(1-3)-FD	SVOC	2-Methylnaphthalene	11000	9260	µg/kg	17.2
DPT-12-SO-(1-3)	DPT-12-SO-(1-3)-FD	SVOC	Naphthalene	10600	8470	µg/kg	22.3
DPT-12-SO-(1-3)	DPT-12-SO-(1-3)-FD	SVOC	Pyrene	414	458	µg/kg	10.1
DPT-12-SO-(1-3)	DPT-12-SO-(1-3)-FD	TPH	TPH-DRO	1920	3560	mg/kg	59.9
DPT-12-SO-(1-3)	DPT-12-SO-(1-3)-FD	TPH	TPH-GRO	1460	937	mg/kg	43.6
DPT-12-SO-(1-3)	DPT-12-SO-(1-3)-FD	TPH	TPH-ORO	757	1550	mg/kg	68.7
DPT-12-SO-(1-3)	DPT-12-SO-(1-3)-FD	METALS	ARSENIC	10.7	7.2	mg/kg	39.1
DPT-12-SO-(1-3)	DPT-12-SO-(1-3)-FD	METALS	BARIUM	175	151	mg/kg	14.7
DPT-12-SO-(1-3)	DPT-12-SO-(1-3)-FD	METALS	CADMIUM	0.67	0.77	mg/kg	13.9
DPT-12-SO-(1-3)	DPT-12-SO-(1-3)-FD	METALS	CHROMIUM	14.7	16.8	mg/kg	13.3
DPT-12-SO-(1-3)	DPT-12-SO-(1-3)-FD	METALS	LEAD	42.4	38.5	mg/kg	9.6

DATA VERIFICATION REPORT

Preparer: Ann Weise
Date: October 26, 2020
Site Name/Job Number: Pine Lawn / 103G65210190.02.03.07

Laboratory: Pace Analytical, Lenexa, KS

Data Package or SDG Number: 60349444

Sample Designations/Names:

DPT-30-SO-(0-3)	DPT-30-SO-(29-30)	DPT-31-SO-(0-3)	DPT-31-SO-(29-30)	DPT-32-SO-(0-3)
DPT-32-SO-(24.5-25.5)	PINE LAWN-SO-TB9			

Matrices: Soil

Analytical Parameters: Polychlorinated Biphenyls (PCB) by 8082, Metals by 6010, Mercury by 7470, semivolatile organic compounds (SVOC) and diesel range organics (DRO) and oil range organics (ORO) by 8270, volatile organic compounds and gasoline range organics (GRO) by 8260

Data Package Element	Usable	Rejected	NA	Description of Affected Data (note specific samples and analytical parameters affected)
Chain of custody	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	The chain of custody was completed appropriately.
Data package completeness	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Package contains all the required elements.
Sample preservation, storage, and holding times	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	The samples were received on 9/25/2020; the samples arrived in good condition at 1.9° C. Samples were analyzed within the recommended method holding times.
Method and field blank contamination	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	The method blanks were nondetect for all target analytes. The trip blank had a detection for toluene. None of the site samples associated with this trip blank had detections for toluene; thus, no qualification is recommended.
Surrogate spikes	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Surrogate spikes were within acceptable limits.
Matrix spikes/matrix spike duplicates (MS/MSD)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	MS/MSD were performed and all results were within control limits, except for barium. Batch was accepted based on the LCS results.
Laboratory control samples/Laboratory control sample duplicates (LCS/LCSD)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	LCS was performed and all analytes were within control limits.

Data Package Element	Usable	Rejected	NA	Description of Affected Data (note specific samples and analytical parameters affected)
Other	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Dichlorodifluoromethane did not meet the secondary source verification criteria for the initial calibration. The analyte was not detected in any sample.
Summary Data are usable as reported by the laboratory. No qualifications of results are recommended.				

DATA VERIFICATION REPORT

Preparer: Ann Weise
Date: October 26, 2020
Site Name/Job Number: Pine Lawn / 103G65210190.02.03.07

Laboratory: Pace Analytical, Lenexa, KS

Data Package or SDG Number: 60349454

Sample Designations/Names:

DPT-22-SO-(0-3)	DPT-22-SO-(17-18)	PINE LAWN-FB4	PINE LAWN-SO-TB8	DPT-23-SO-(24-25)
DPT-24-SO-(24-25)	DPT-25-SO-(24-25)			

Matrices: Soil

Analytical Parameters: Polychlorinated Biphenyls (PCB) by 8082, Metals by 6010, Mercury by 7470, semivolatile organic compounds (SVOC) and diesel range organics (DRO) and oil range organics (ORO) by 8270, volatile organic compounds and gasoline range organics (GRO) by 8260

Data Package Element	Usable	Rejected	NA	Description of Affected Data (note specific samples and analytical parameters affected)
Chain of custody	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	The chain of custody was completed appropriately.
Data package completeness	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Package contains all the required elements.
Sample preservation, storage, and holding times	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	The samples were received on 9/25/2020; the samples arrived in good condition at 5.3° C. Samples were analyzed within the recommended method holding times.
Method and field blank contamination	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	The method blanks and field blank were nondetect for all target analytes. The trip blank had a detection for toluene. Site sample DPT-22-SO-(17-18) associated with this trip blank had a detection of toluene more than 10 times the blank detection; thus, no qualification is recommended.
Surrogate spikes	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Surrogate spikes were within acceptable limits, except for nitrobenzene-d5 in samples DPT-22-SO-(0-3) and DPT-22-SO-(17-18). The laboratory indicated the results were attributable to sample dilution.
Matrix spikes/matrix spike duplicates (MS/MSD)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	MS/MSD were performed and all results were within control limits, except for barium and 1,2,3-trichloropropane. Batch was accepted based on the LCS results.

Data Package Element	Usable	Rejected	NA	Description of Affected Data (note specific samples and analytical parameters affected)
Laboratory control samples/Laboratory control sample duplicates (LCS/LCSD)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	LCS was performed and all analytes were within control limits except for dichlorodifluoromethane and pyridine. Both analytes were nondetect in all site samples; thus, no qualification of the results is recommended.
Other	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Dichlorodifluoromethane did not meet the secondary source verification criteria for the initial calibration. The analyte was not detected in any sample.
Summary Data are usable as reported by the laboratory. No qualifications of results are recommended.				

DATA VERIFICATION REPORT

Preparer: Ann Weise
Date: October 26, 2020
Site Name/Job Number: Pine Lawn / 103G65210190.02.03.07

Laboratory: Pace Analytical, Lenexa, KS

Data Package or SDG Number: 60349457

Sample Designations/Names:

DPT-26-SO-(24-25)	DPT-26-SO-(24-25)-FD	DPT-27-SO-(29-30)	DPT-28-SO-(29-30)	DPT-29-SO-(0-2)
DPT-29-SO-(29-30)	PINE LAWN-GW-TB8			

Matrices: Soil

Analytical Parameters: Polychlorinated Biphenyls (PCB) by 8082, Metals by 6010, Mercury by 7470, semivolatile organic compounds (SVOC) and diesel range organics (DRO) and oil range organics (ORO) by 8270, volatile organic compounds and gasoline range organics (GRO) by 8260

Data Package Element	Usable	Rejected	NA	Description of Affected Data (note specific samples and analytical parameters affected)
Chain of custody	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	The chain of custody was completed appropriately.
Data package completeness	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Package contains all the required elements.
Sample preservation, storage, and holding times	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	The samples were received on 9/25/2020; the samples arrived in good condition at 0.9° C. Samples were analyzed within the recommended method holding times.
Method and field blank contamination	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	The method blanks and trip blank were nondetect for all target analytes. The trip blank was a water blank while the site samples were soil. No qualification is recommended.
Surrogate spikes	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Surrogate spikes were within acceptable limits, except for a low recovery of 2,4,6-tribromophenol in sample DPT-26-(24-25). The other surrogate spike for the group (2-fluorobiphenyl) was within QC limits. The result is likely attributable to matrix interference rather than a laboratory issue. The field duplicate had a similar result, though within the acceptable range. No qualification is recommended.

Data Package Element	Usable	Rejected	NA	Description of Affected Data (note specific samples and analytical parameters affected)
Matrix spikes/matrix spike duplicates (MS/MSD)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	MS/MSD were performed and all results were within control limits, except for barium. Batch was accepted based on the LCS results.
Laboratory control samples/Laboratory control sample duplicates (LCS/LCSD)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	LCS were performed and all analytes were within control limits except for dichlorodifluoromethane. This analyte was nondetect in all site samples; thus, no qualification of the results is recommended.
Other	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Dichlorodifluoromethane did not meet the secondary source verification criteria for the initial calibration. The analyte was not detected in any sample.

Summary

Data are usable as reported by the laboratory. No qualifications of results are recommended.

The following are comparisons of detected field duplicate results:

Sample ID	Duplicate ID	Group	Analyte	Original Result	Duplicate Result	Units	RPD
DPT-26-SO-(24-25)	DPT-26-SO-(24-25)-FD	METALS	ARSENIC	1.6	2.1	mg/kg	27.0
DPT-26-SO-(24-25)	DPT-26-SO-(24-25)-FD	METALS	BARIUM	67.5	71	mg/kg	5.1
DPT-26-SO-(24-25)	DPT-26-SO-(24-25)-FD	METALS	CHROMIUM	29.2	31.1	mg/kg	6.3
DPT-26-SO-(24-25)	DPT-26-SO-(24-25)-FD	METALS	LEAD	5.7	5.9	mg/kg	3.4

DATA VERIFICATION REPORT

Preparer: Ann Weise
Date: October 26, 2020
Site Name/Job Number: Pine Lawn / 103G65210190.02.03.07

Laboratory: Pace Analytical, Lenexa, KS

Data Package or SDG Number: 60349564

Sample Designations/Names:

DPT-12-GW-(24-29) DPT-12-GW-(24-29)-FD PINE LAWN-FB5 DPT-20-GW-(25-30) DPT-20-GW-(25-30)-FD
 PINE LAWN-GW-TB10

Matrices: Groundwater

Analytical Parameters: Polychlorinated Biphenyls (PCB) by 8082, Metals by 6010, Mercury by 7470, semivolatile organic compounds (SVOC) and diesel range organics (DRO) and oil range organics (ORO) by 8270, volatile organic compounds and gasoline range organics (GRO) by 8260

Data Package Element	Usable	Rejected	NA	Description of Affected Data (note specific samples and analytical parameters affected)
Chain of custody	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	The chain of custody was completed appropriately.
Data package completeness	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Package contains all the required elements.
Sample preservation, storage, and holding times	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	The samples were received on 9/26/2020; the samples arrived in good condition at 5.0° C. Samples were analyzed within the recommended method holding times.
Method and field blank contamination	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	The method blanks and trip blank were nondetect for all target analytes.
Surrogate spikes	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Surrogate spikes were within acceptable limits, except for low recovery of 2-fluorobiphenyl and nitrobenzene-d5 in samples DPT-12-GW-(24-29), DPT-12-GW-(24-29)-FD, and DPT-20-GW-(25-30)-FD. In addition, recovery of terphenyl-d14 was low in sample DPT-20-GW-(25-30)-FD. The result is likely attributable to matrix interference rather than a laboratory issue. No qualification is recommended.
Matrix spikes/matrix spike duplicates (MS/MSD)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	MS/MSD were performed and all results were within control limits, except for arsenic, barium, lead, and selenium. Batch was accepted based on the LCS results.

Data Package Element	Usable	Rejected	NA	Description of Affected Data (note specific samples and analytical parameters affected)
Laboratory control samples/Laboratory control sample duplicates (LCS/LCSD)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	LCS were performed and all analytes were within control limits except for dichlorodifluoromethane and pyridine. These analytes were nondetect in all site samples; thus, no qualification of the results is recommended.
Other	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	

Data Package Element	Usable	Rejected	NA	Description of Affected Data (note specific samples and analytical parameters affected)			
Summary							
Data are usable as reported by the laboratory. No qualifications of results are recommended.							
The following are comparisons of detected field duplicate results:							
Sample ID	Duplicate ID	Group	Analyte	Original Result	Duplicate Result	Units	RPD
DPT-12-GW-(24-29)	DPT-12-GW-(24-29)-FD	VOC	Benzene	7.1	6.5	µg/L	8.8
DPT-12-GW-(24-29)	DPT-12-GW-(24-29)-FD	VOC	Ethylbenzene	38.4	30.4	µg/L	23.3
DPT-12-GW-(24-29)	DPT-12-GW-(24-29)-FD	VOC	Isopropylbenzene (Cumene)	20.8	14.4	µg/L	36.4
DPT-12-GW-(24-29)	DPT-12-GW-(24-29)-FD	VOC	Naphthalene	17.6	14.6	µg/L	18.6
DPT-12-GW-(24-29)	DPT-12-GW-(24-29)-FD	VOC	n-Butylbenzene	7.2	4.3	µg/L	50.4
DPT-12-GW-(24-29)	DPT-12-GW-(24-29)-FD	VOC	n-Propylbenzene	21.4	13.2	µg/L	47.4
DPT-12-GW-(24-29)	DPT-12-GW-(24-29)-FD	VOC	p-Isopropyltoluene	4.6	2.6	µg/L	55.6
DPT-12-GW-(24-29)	DPT-12-GW-(24-29)-FD	VOC	sec-Butylbenzene	5.2	3.1	µg/L	50.6
DPT-12-GW-(24-29)	DPT-12-GW-(24-29)-FD	VOC	Toluene	5.6	4.8	µg/L	15.4
DPT-12-GW-(24-29)	DPT-12-GW-(24-29)-FD	VOC	Xylene (Total)	14	10.9	µg/L	24.9
DPT-12-GW-(24-29)	DPT-12-GW-(24-29)-FD	TPH	TPH-DRO	1	1.4	mg/L	33.3
DPT-12-GW-(24-29)	DPT-12-GW-(24-29)-FD	TPH	TPH-GRO	2680	2490	µg/L	7.4
DPT-12-GW-(24-29)	DPT-12-GW-(24-29)-FD	TMETALS	ARSENIC	92.7	101	µg/L	8.6
DPT-12-GW-(24-29)	DPT-12-GW-(24-29)-FD	TMETALS	BARIUM	13900	12600	µg/L	9.8
DPT-12-GW-(24-29)	DPT-12-GW-(24-29)-FD	TMETALS	CADMIUM	9	7.7	µg/L	15.6
DPT-12-GW-(24-29)	DPT-12-GW-(24-29)-FD	TMETALS	CHROMIUM	528	519	µg/L	1.7
DPT-12-GW-(24-29)	DPT-12-GW-(24-29)-FD	TMETALS	LEAD	469	480	µg/L	2.3
DPT-12-GW-(24-29)	DPT-12-GW-(24-29)-FD	TMETALS	MERCURY	2.1	1.9	µg/L	10.0
DPT-12-GW-(24-29)	DPT-12-GW-(24-29)-FD	TMETALS	SELENIUM	33.4	36.1	µg/L	7.8
DPT-12-GW-(24-29)	DPT-12-GW-(24-29)-FD	DMETALS	BARIUM	372	373	µg/L	0.3
DPT-20-GW-(25-30)	DPT-20-GW-(25-30)-FD	VOC	Acetone	11.9	19.7	µg/L	49.4
DPT-20-GW-(25-30)	DPT-20-GW-(25-30)-FD	VOC	Benzene	1.2	4.9	µg/L	121.3
DPT-20-GW-(25-30)	DPT-20-GW-(25-30)-FD	VOC	Isopropylbenzene (Cumene)	8.2	12.3	µg/L	40.0
DPT-20-GW-(25-30)	DPT-20-GW-(25-30)-FD	VOC	n-Butylbenzene	4.2	3.7	µg/L	12.7
DPT-20-GW-(25-30)	DPT-20-GW-(25-30)-FD	VOC	n-Propylbenzene	20.5	30	µg/L	37.6
DPT-20-GW-(25-30)	DPT-20-GW-(25-30)-FD	VOC	sec-Butylbenzene	2	2	µg/L	0.0
DPT-20-GW-(25-30)	DPT-20-GW-(25-30)-FD	TMETALS	ARSENIC	46.2	68	µg/L	38.2
DPT-20-GW-(25-30)	DPT-20-GW-(25-30)-FD	TMETALS	BARIUM	1820	12800	µg/L	150.2
DPT-20-GW-(25-30)	DPT-20-GW-(25-30)-FD	TMETALS	CHROMIUM	227	864	µg/L	116.8
DPT-20-GW-(25-30)	DPT-20-GW-(25-30)-FD	TMETALS	LEAD	178	477	µg/L	91.3
DPT-20-GW-(25-30)	DPT-20-GW-(25-30)-FD	TMETALS	MERCURY	0.47	4.4	µg/L	161.4
DPT-20-GW-(25-30)	DPT-20-GW-(25-30)-FD	DMETALS	BARIUM	493	501	µg/L	1.6

APPENDIX E
PROPERTY PROFILE FORM



United States
ENVIRONMENTAL PROTECTION AGENCY
Washington, DC 20460

Form Approved
OMB Number No. 2050-0192
Expires 07-31-2012

PROPERTY PROFILE FORM—Brownfields

Public reporting burden for this collection of information is estimated to average 1.50 hours per response, including the time for reviewing instructions, searching data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate, or any other aspect of this collection of information, including suggestions for reducing this burden, to the Environmental Protection Agency, Office of Environmental Information, Code 2822T, Washington, DC 20460 and to the Paperwork Reduction Project, Office of Management and Budget, Washington, DC 20503. DO NOT RETURN your form to either of these addresses. Send your completed form to the address provided by the issuing office.

PART I- PROPERTY INFORMATION

COOPERATIVE AGREEMENT RECIPIENT INFORMATION

1. Cooperative Agreement Recipient Name (State/Tribe for Section 128(a) Cooperative Agreements; requestor/contractor for TBAs):

Pine Lawn (6128 Natural Bridge Road)

2. Cooperative Agreement Number (contract number for TBAs):

68HERH19D0018

3. What type of cooperative agreement funding is being used for this property?

☐ Assessment

☐ Section 128(a) – State and Tribal Response

☐ Revolving Loan Fund

☒ TBA (EPA Regions Only)

☐ Cleanup

4. For Assessment, Cleanup, and Revolving Loan Fund cooperative agreements, what type of funding is being used at this property?

☐ Hazardous Substance

☐ Petroleum

☒ Both

5a. Indicate if this form is the initial or Updated Form:

☒ Initial Form

☐ Updated Form

5b. If "Updated Form," what's the ACRES Property ID?

PROPERTY BACKGROUND INFORMATION

6. Property Name: Pine Lawn (6128 Natural Bridge Road)

7a. Street Address: 6128 Natural Bridge Road

7b. City: Pine Lawn

7c. County: St. Louis

7d. State: MO

7e. Zip code: 63120

8. Size (in acres): 1.31

9. Parcel Number(s): 15G122011

STATE & TRIBAL BROWNFIELDS/VOLUNTARY RESPONSE PROGRAM INFORMATION

10. State & Tribal Program Enrollment (If the property is not enrolled in a state program, check Property Not Enrolled check box):

Date of Enrollment: ID Number (if applicable):

☒ Property Not Enrolled in a State or Tribal Program

PROPERTY GEOGRAPHIC INFORMATION (EPA Brownfields Program, or its contractors, will provide complete latitude/longitude information if cooperative agreement recipients are unable)

11a. Latitude

(use 00.000000 decimal degree format):

38.689726

11b. Longitude

(use -000.000000 decimal degree format):

-90.276545

11c. Horizontal Collection Method:

Global Positioning Method- Unspecified Parameters

11d. Source Map Scale Number (Only if a map/photo was used):

11e. Reference Point (e.g., Center of Facility or Station):

Center of a Facility or Station

11f. Horizontal Reference Datum (Choose one):

☐ NAD27-North American Datum of 1927

☒ WGS84-World Geodetic System of 1984

☐ NAD83-North American Datum of 1983

PART II- ENVIRONMENTAL ACTIVITIES

ENVIRONMENTAL ASSESSMENT INFORMATION (mandatory for Assessment Cooperative Agreements, State & Tribal Property-Specific Assessments, and TBAs; as available for Cleanup and RLF cooperative agreement recipients; CA = Cooperative Agreement)

Table A – Environmental Assessment Activity (If there are multiple assessments, please use a separate line for each assessment)

Environmental Assessment Detail			Source of Funding (enter one source of funding per line; do not include funding received prior to the award of this)					Name of Entity Providing Funds	Amount of Funding Expended on this Activity
Activity	Start Date	Completion Date	This US EPA CA	Other Federal	State/Tribal (exclude §128(a) funds)	Local Gov't	Private/Other		
Phase I	1/1/2019	7/11/2019	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	MDNR	UNK
Phase II	8/20/2020	10/28/2020	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	U.S. EPA Region 7	\$28,581.59
Cleanup Planning	8/20/2020	11/1/2020	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		

12. Indicate whether cleanup is required: ☐ Yes ☐ No ☒ Unknown

CONTAMINANTS & MEDIA AFFECTED INFORMATION (mandatory for all cooperative agreement types)

Table B - Contaminants and Media Affected (check all that apply):

Contaminants			
Class of Contaminant	REC*	Found	Cleaned Up
Petroleum/Petroleum Products	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Controlled Substances	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Asbestos	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
PCBs	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
VOCs	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Lead	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Other Metals	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
PAHs	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Other Contaminants	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
No Contaminants	<input type="checkbox"/>		
Unknown	<input type="checkbox"/>		

Media		
Media	Affected	Cleaned Up
Soil	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Air	<input type="checkbox"/>	<input type="checkbox"/>
Surface Water	<input type="checkbox"/>	<input type="checkbox"/>
Ground Water	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Drinking Water	<input type="checkbox"/>	<input type="checkbox"/>
Sediments	<input type="checkbox"/>	<input type="checkbox"/>
No Media Affected	<input type="checkbox"/>	
Unknown	<input type="checkbox"/>	

*REC = Recognized Environmental Conditions

ENVIRONMENTAL CLEANUP INFORMATION (mandatory for Cleanup and RLF

Cooperative Agreements and State & Tribal Property-Specific Cleanups; as available for Assessment Cooperative Agreements and TBAs)

13. Cleanup Activity Start Date: _____ 14. Cleanup Activity Completion Date: _____ 15. Acres Cleaned Up: _____

16. Date No Further Action/Cleanup Completion Document Issued

(If the property was not enrolled in a state or tribal program, leave blank):

Date: _____

17. Number of Cleanup Jobs Leveraged: _____

18. If EPA Brownfields funding was used, indicate the type and amount (If any non-EPA funding was used, fill out Table C):

Type Amount

☐ Cleanup Cooperative Agreement _____

☐ RLF Loan _____

Date RLF Loan Signed _____

Type Amount

☐ RLF Subgrant _____

☐ Section 128(a) State/Tribal Cooperative Agreement _____

Table C - Environmental Cleanup Leveraged Funding Detail

Source of Funding (enter one source of funding per line; do not include funding received prior to the award of this EPA Cooperative Agreement)				Name of Entity Providing Funds	Amount of Funding Expended on this Activity
Other Federal	State/Tribal (exclude §128(a) funds)	Local Gov't	Private/Other		
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		

PART II- ENVIRONMENTAL ACTIVITIES (continued)

INSTITUTIONAL & ENGINEERING CONTROLS INFORMATION *(mandatory for all cooperative agreement types)*

19a. Indicate whether Institutional Controls are required: ☐ Yes ☐ No ☒ Unknown

19b. If Institutional Controls were required, indicate the category (check all that apply):

- ☐ Proprietary Controls (e.g., easements, covenants) ☐ Governmental Controls (e.g., zoning, building codes)
- ☐ Informational Devices (e.g., state registries, deed notices) ☐ Enforcement/Permit Tools (e.g., permits, consent decrees)

Additional Institutional Controls Information:

Address of Data Source (URL if available):

19c. Indicate whether Institutional Controls in place: ☐ Yes ☒ No Date: _____

20a. Indicate whether Engineering Controls are required: ☐ Yes ☐ No ☒ Unknown

20b. If Engineering Controls were required, indicate the category (check all that apply):

- ☐ Cover Technologies (e.g., Capping) ☐ Immobilization Process (e.g., Encapsulation, In-Situ Solidification) ☐ Engineered Barriers (e.g., Slurry Walls, Sheet)
- ☐ Security (e.g., Guard, Fences) ☐ Other _____

Additional Engineering Controls Information:

Address of Data Source (URL if available):

20c. Indicate whether Engineering Controls in place: ☐ Yes ☒ No Date: _____

REDEVELOPMENT AND OTHER LEVERAGED ACCOMPLISHMENTS *(Mandatory for Assessment, Cleanup and RLF Cooperative Agreements; as available for State and Tribal Property Specific Activities and TBAs)*

21. Redevelopment Start Date: _____ 22. Redevelopment Completion Date: _____

Table D- Redevelopment Leveraged Funding Detail

Source of Funding (enter one source of funding per line; do not include funding received prior to the award of this EPA Cooperative Agreement)				Name of Entity Providing Funds	Amount of Funding Expended on this Activity
Other Federal	State/Tribal	Local Gov't	Private/ Other		
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		

23. Number of Redevelopment Jobs Leveraged: _____

24. Future Use and Estimated Acreage (check all that apply; For properties with multi-story buildings only, please indicate also the square footage for each type of reuse (e.g. a three story building with first floor commercial and remaining floors residential).

- ☒ Multi-story building
- ☐ Greenspace _____ acres _____ sq. ft. ☒ Commercial 1.31 acres unk sq. ft.
- ☐ Industrial _____ acres _____ sq. ft. ☐ Residential _____ acres _____ sq. ft.

25. Actual Acreage(s) and Type(s) of Greenspace Created: _____

PART II- ENVIRONMENTAL ACTIVITIES (continued)

ANECDOTAL PROPERTY INFORMATION (as available for all cooperative agreement types)

26. Property Highlights:

The Phase I Environmental Site Assessment (ESA) report states the property was first developed in the 1930s for commercial use, and historically included a commercial structure that may have been an auto garage and/or drug store. Facilities to the north, east, south, and west included filling station, auto repair, and auto dealership/service operations. The Phase I ESA report indicated potential for presence of underground storage tanks (UST) at the property due to operations of auto-service-related facilities before environmental regulations were in place. In addition, it identified a dry cleaner upgradient and north of the property beyond the roadway. The Phase I ESA report identified as RECs to the subject property possible impacts on the subject property from historical on-site and off-site auto-service operations and off-site dry cleaning operations.

PROPERTY PHOTOGRAPH INFORMATION

27. Indicate whether photographs are available: ☒ Yes ☐ No 28. Indicate whether video is available: ☐ Yes ☒ No

PART III- ADDITIONAL PROPERTY INFORMATION

PROPERTY HISTORY INFORMATION

29. Property Description / History / Past Ownership:

See anecdotal property information above.

30. Predominant Past Use(s) (check all that apply; For properties with multi-story buildings only, please indicate also the square footage for each type of reuse (e.g. a three story building with first floor commercial and remaining floors residential):

☐ Multi-story building

☐ Greenspace _____ acres _____ sq. ft. ☒ Commercial _____ 1.31 acres _____ sq. ft.

☐ Residential _____ acres _____ sq. ft. ☐ Industrial _____ acres _____ sq. ft.

OWNERSHIP & SUPERFUND LIABILITY (Mandatory for Cleanup and RLF Cooperative Agreements)

31a. Ownership Entity:

☒ Government (Tribal, State, Local) ☐ Private

32a. During the life of the cooperative agreement, did ownership change?

☐ Yes ☒ No

31b. Current Owner:

City of Pine Lawn

32b. If "yes," did Superfund federal landowner liability protections factor into the ownership change?

☐ Yes ☐ No ☐ Unknown

PART IV- APPROVALS

33. Cooperative Agreement Recipient Project Manager

Name (please print):

Signature

Date:

34. US EPA Regional Representative

Name (please print):

Signature

Date: