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environmental & energy services

PHASE II ENVIRONMENTAL SITE ASSESSMENT
WEST VILLAGE MANOR
1400-1434 VAN DYKE AVENUE
AND 8001-8031 AGNES AVENUE
DETROIT, MICHIGAN 48214

for

DETROIT/WAYNE COUNTY PORT AUTHORITY
8109 EAST JEFFERSON AVENUE
DETROIT, MICHIGAN 48214

and

LAND, INC.
11148 HARPER AVENUE
DETROIT, MICHIGAN 48213

AKT PEERLESS PROJECT NO. 6101D-2-20
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PHASE II ENVIRONMENTAL SITE ASSESSMENT

WEST VILLAGE MANOR
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DETROIT, MICHIGAN 48214

AKT PEERLESS PROJECT NO. 6101D-2-20

1.0 INTRODUCTION

Land, Inc. (the Developer) through the Detroit/Wayne County Port Authority (DWCPA) retained AKT Peerless Environmental and Energy Services (AKT Peerless) to conduct a Phase II Environmental Site Assessment (Phase II ESA) of a property located at 1400-1434 Van Dyke Avenue and 8001-8031 Agnes Avenue in Detroit, Michigan (subject property) under the U.S. Environmental Protection Agency (EPA) Brownfield Assessment Grant Program. This Phase II ESA was conducted in accordance with (1) AKT Peerless' Proposal for a Phase II ESA (Proposal Number PD-9690-1), dated April 15, 2009, and (2) USEPA Phase II Work Plan/Sampling and Analysis Plan (WPSAP), dated April 21, 2009; and is based on American Society for Testing and Materials (ASTM) Designation E 1903-97 *"Standard Guide for Environmental Site Assessments: Phase II Environmental Site Assessment Process."*

This Phase II ESA scope of work is intended to evaluate the RECs presented in Section 2.5. This Phase II ESA scope of work does not evaluate the following:

- Asbestos
- Mold
- Lead Based Paint

AKT Peerless' Phase II ESA report documents the field activities, sampling protocols, and laboratory results. AKT Peerless' Phase II ESA was performed for the benefit of Land, Inc. and DWCPA, who may rely on the contents and conclusions of this report.

2.0 BACKGROUND

2.1 SITE DESCRIPTION AND PHYSICAL SETTING

The subject property is located in Detroit, Wayne County, Michigan. The subject property is situated at the northeastern corner of Van Dyke and Agnes Avenues. It consists of six rectangular parcels, and comprises approximately 1.39 acres. The subject property's Ward/Item numbers are 17/9178 through 17/9183. For ease of reference in the Phase I ESA report, AKT Peerless designated each of the parcels with a letter. These designations have no relevance to

legally recorded data about the subject property. The following table summarizes the tax information and current uses of the subject property parcels.

Parcel	Address	Tax Identification Number	Current Use	Owner of Record	Approximate Acreage
A	1400 Van Dyke Avenue	17/9178	3-story mixed-use building	Taxpayer (McDuffee Partners, LLC)	0.33
B	1412 Van Dyke Avenue	17/9179	vacant land	Taxpayer (McDuffee Partners, LLC)	0.11
C	[redacted]	[redacted]	dwelling	[redacted]	0.22
D	1420 Van Dyke Avenue	17/9181	vacant land	West Village Manor (McDuffee Partners, LLC)	0.22
E	1428 Van Dyke Avenue	17/9182	vacant land	Gregory R. McDuffee (McDuffee Partners, LLC)	0.22
F	1434 Van Dyke Avenue	17/9183	vacant land	Gregory R. McDuffee (McDuffee Partners, LLC)	0.22

The subject property is currently developed with a three-story mixed-use building (Building 1), and an occupied, single-family, residential home (Building 2). The ground floor of Building 1 is currently occupied by the Creative Kat Gallery, Jazmas in the Village (hair salon), an antiques store, and Sweetkake's Bakery. Residential tenants occupy the second and third floors of the building. The remaining subject property parcels are currently unimproved. The surrounding area is characterized by vacant land and residential and commercial property.

Refer to Figure 1 for a topographic site location map. See Figure 2 for a site map with soil boring locations.

2.2 SUBJECT PROPERTY HISTORY AND LAND USE

The following tables summarize the general development and use of the subject property, as identified by AKT Peerless:

Parcel A: 1400 Van Dyke Avenue and 8001-8031 Agnes Avenue				
Time Period	**Improvements**	**Use**	**Owner / Occupant**	**Data Source(s)**
1895	unimproved land	none apparent	not determined	city directories
1897-1919	two dwellings	residential	various residential tenants	city directories Sanborn maps
1910	Agnes Avenue has been constructed along the southern boundary for the property. A portion of the property has been used for the right-of-way.	residential	various residential tenants	city directories Sanborn maps

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Parcel A: 1400 Van Dyke Avenue and 8001-8031 Agnes Avenue				
Time Period	**Improvements**	**Use**	**Owner / Occupant**	**Data Source(s)**
1925-2002	existing building storefronts / residential apartments	commercial/ residential	various commercial and residential tenants	Sanborn maps municipal records aerial photographs interviews city directories reconnaissance

Parcel B: 1412 Van Dyke Avenue				
Time Period	**Improvements**	**Use**	**Owner / Occupant**	**Data Source(s)**
1895-1904	unimproved land	none apparent	not determined	city directories Sanborn maps
1909-1961	dwelling	residential	various residential tenants	city directories Sanborn maps aerial photographs interviews municipal records
1962-present	unimproved land	none apparent	not determined	city directories Sanborn maps aerial photographs interviews municipal records reconnaissance

Parcel C: [redacted]				
Time Period	**Improvements**	**Use**	**Owner / Occupant**	**Data Source(s)**
1885-present	existing dwelling	residential	various residential tenants	city directories Sanborn maps aerial photographs interviews municipal records reconnaissance

Parcel D: 1420 Van Dyke Avenue				
Time Period	**Improvements**	**Use**	**Owner / Occupant**	**Data Source(s)**
1895-1900	unimproved land	none apparent	not determined	city directories Sanborn maps
1910-1977	dwelling	residential	various residential tenants	aerial photographs Sanborn maps municipal records interviews
1977-present	unimproved land	none apparent	not determined	city directories Sanborn maps aerial photographs interviews municipal records reconnaissance

Parcel E: 1428 Van Dyke Avenue				
Time Period	**Improvements**	**Use**	**Owner / Occupant**	**Data Source(s)**
1895	unimproved land	none apparent	not determined	city directories
1897-1977	dwelling	residential	various residential tenants	city directories aerial photographs Sanborn maps municipal records interviews
1977-present	unimproved land	none apparent	not determined	city directories Sanborn maps aerial photographs interviews municipal records reconnaissance

Parcel F: 1434 Van Dyke Avenue				
Time Period	**Improvements**	**Use**	**Owner / Occupant**	**Data Source(s)**
1895-1904	unimproved land	none apparent	not determined	city directories Sanborn maps
1910-late 1930s	dwelling	residential	various residential tenants	city directories Sanborn maps aerial photographs interviews municipal records
1938-1977	dwelling / contractor storage	residential	various residential and commercial tenants	city directories Sanborn maps aerial photographs interviews municipal records
1977-present	unimproved land	residential	various residential tenants	city directories Sanborn maps aerial photographs interviews municipal records reconnaissance

The subject property was initially developed with dwellings from at least 1885, the earliest readily available historical source, until between 1919 and 1925, when the dwellings on Parcel A were demolished and a commercial building with storefronts and apartment units was constructed. The dwelling on Parcel B was demolished in 1962, and the dwellings on Parcels D, E, and F were demolished in 1977. The contractor storage garage on Parcel F was also demolished in 1977.

Individual occupants of the residential dwellings and/or tenant spaces at the subject property were not determined. Identified previous commercial occupants of the subject property include: Furnari Excavating Co. (Parcel F), Kroger Co., Parkstone Market, Ann Bagley's Ladies Furnishings, Agelo's Restaurant, Red Feather Shop, Village Book, Myron Bloy Florist, Parkcrest

Café, Stark Cleaner's & Tailor, Little Tv & Hi-Fi Service, Benno's Restaurant, Cade Gallery, Reid Travel Co., Sarah's Catering, Market & Café Corp, Jazmas in the Village, County Cheese & Bakery, Short Stuff Deli, Creative Kat Gallery (Parcel A). Currently, Parcels B, D, E, and F are unimproved. Parcel A is improved with commercial storefronts and apartment units, and Parcel C is improved with a dwelling.

2.3 ADJACENT PROPERTY LAND USE

The following table describes the current uses of the adjoining properties, identified occupants, and noteworthy observations of environmental concern, if any, that were noted during AKT Peerless' recent reconnaissance.

Direction	Address	Current Use / Occupant	Potential Concerns
North	[redacted]	residential / residential tenants	none observed
East	1415 Parker Avenue	commercial / Parkstone Apartments	none observed
	1417-43 Parker Avenue	commercial / surfaced parking lot	none observed
	8039-8043 Agnes Avenue	commercial / unoccupied	none observed
	8045 Agnes Avenue	commercial / unoccupied	none observed
	8047 Agnes Avenue	commercial / unoccupied	none observed
Southeast	1111 Parker Avenue	commercial / Parkstone Garage (parking garage)	none observed
South	[redacted]	residential / residential tenants	none observed
	[redacted]	residential / residential tenants	none observed
Southwest	[redacted]	residential / Van Dyke Apartments	none observed
West	[redacted]	residential / residential tenants	none observed
Northwest	1445 Van Dyke Avenue	none apparent / vacant land	none observed

2.4 PREVIOUS ENVIRONMENTAL INVESTIGATIONS

Other than AKT Peerless' February 2009 Phase I ESA described below, AKT Peerless was not provided with copies of reports that document previous investigations or assessments of the subject property, nor did AKT Peerless identify the existence of such documents during this assessment.

2.5 SUMMARY OF RECOGNIZED ENVIRONMENTAL CONDITIONS

On February 23, 2009, AKT Peerless completed a Phase I ESA on behalf of Land, Inc. and DWCPA. The purpose of AKT Peerless' Phase I ESA was to evaluate the current and historical conditions of the subject property in an effort to identify *recognized environmental conditions* (RECs)[1] and *historical recognized environmental conditions* (HRECs)[2] in connection with the

[1] ASTM's Standard Practice E 1527-05 defines the term recognized environmental condition (REC) as the presence or likely presence of any hazardous substance or petroleum product on a property under conditions that indicate (1) an existing release, (2) a past release, or (3) a material threat of a release of a hazardous substance or petroleum product into structures on the subject property or into the ground, groundwater, or surface water of the subject property.

[2] ASTM defines the term historical recognized environmental condition (HREC) as an environmental condition which in the past would have been considered an REC, but which may or may not be considered an REC currently. Neither HRECs nor RECs are intended to include *de minimis* conditions that generally do not present a

subject property. AKT Peerless identified the following environmental concerns associated with the property:

1. The EDR Report identified the presence of a cleaner and dyer in 1954 at 8019 Agnes Avenue (Parcel A). In addition, city directory listings identified the presence of a dry cleaner and tailor at this location from 1960 until 1966.

2. The EDR Report identified a radiator repair business (A-1 Radiator Co.) at 1324 Van Dyke Avenue in 1954. This address was not identified on Sanborn Maps during this period. It is possible this business was located on the subject property due to the presence of storefronts on the subject property during this time period.

3. A contractor's storage garage was located on Parcel F from 1938 until 1977. A review of fire department files revealed the presence of a 500-gallon gasoline underground storage tank (UST), a 550-gallon gasoline UST, and a 1,000-gallon gasoline UST on the eastern portion of the property, near the alley. It is unknown whether these USTs have been removed.

4. Former structures located on Parcels B, D, E and F were demolished beginning in 1962. These basements were filled in at demolition; however, the origin of the fill material used is unknown.

5. An apparent former coal chute and incinerator were observed in the boiler room in the basement of Building 1. AKT Peerless' research did not identify the location of coal and/or ash storage at the subject property.

6. A machine tool business was identified in the1969 directory on the eastern adjoining property located at 1415 Parker Avenue.

7. The southeastern adjoining property was occupied by an automobile service facility from approximately 1915. In addition, records documenting the installation, replacement, and/or removal of several USTs were identified at this property.

3.0 PHASE II ENVIRONMENTAL SITE ASSESSMENT ACTIVITIES

3.1 SCOPE OF ASSESSMENT

AKT Peerless conducted a Phase II ESA at the subject property for the following purposes: (1) evaluate for the presence of contamination on the subject property based on the RECs identified within the Phase I ESA and (2) determine if the subject property meets the definition of a "facility[3]" as defined in Part 201 of Natural Resources and Environmental Protection Act (NREPA), Michigan Public Act (PA) 451, 1994, as amended.

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material risk of harm to public health or the environment and would not be the subject of an enforcement action if brought to the attention of appropriate governmental agencies.

[3] "Facility" means any area, place, or property where a hazardous substance in excess of the concentrations which satisfy the requirements of Sections 20120a(1)(a) or (17) or the cleanup criteria for unrestricted residential use under

To further evaluate the RECs, AKT Peerless conducted a subsurface investigation of the subject property that included: (1) a geophysical survey of accessible areas, (2) drilling 12 soil borings (SB-1 through SB-12), and (3) the collection of 16 soil samples. Samples were submitted for select laboratory analysis including volatile organic compounds (VOCs), polynuclear aromatic hydrocarbons (PNAs), polychlorinated biphenyls (PCBs), and Michigan Metals (arsenic, barium, cadmium, chromium, copper, lead, mercury, selenium, silver, and zinc).

The following table summarizes each REC, the site investigation activities performed to address each REC, and the laboratory parameters used to address each REC.

Summary of AKT Peerless' Scope of Investigation

REC #	Environmental Concern	Investigation Activity	Analytical Parameters
REC 1	Historical use of Parcel A (dry cleaners)	SB-9 through SB-12	VOCs
REC 2	Historical use of Parcel A (automobile repair)	SB-9 and SB-10	VOCs and PNAs
REC 3	Former USTs (Parcel F)	SB-1 and SB-2, geophysical survey	used oil parameters*
REC 4	Fill materials (Parcels B through F)	SB-3 through SB-6	VOCs, PNAs, PCBs, and Michigan Metals
REC 5	Historical coal use	SB-10	VOCs, PNAs and Michigan Metals
REC 6	Eastern adjoining property	SB-8	VOCs and PNAs
REC 7	Southeastern adjoining property	SB-12	VOCs, PNAs, and Michigan Metals

* used oil parameters include select VOCs, PNAs, cadmium, chromium, and lead

3.1.1 Geophysical Survey

AKT Peerless retained Geophysical Imaging, Inc. (GII) to conduct a geophysical survey of accessible areas of the subject property where known USTs were historically located. The purpose of the geophysical survey was to evaluate whether abandoned USTs are present beneath the subject property. On May 4, 2009, GII conducted an electromagnetic (EM) and ground penetrating radar (GPR) survey on Parcels D, E, and F. These areas of the subject property were surveyed based on the historical presence and unknown disposition of USTs. A copy of the geophysical survey report is included as Appendix B and is summarized below.

Geophysical Results

The EM survey identified a strong EM in-phase ('metal') anomalies located at the northeastern portion of Parcel F. Two targeted GPR linescans (Linescans A and B) were performed in this anomalous area. A hyperbolic reflection response was detected on the GPR scan. The shape,

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Part 213 has been released, deposited, disposed of, or otherwise comes to be located. Facility does not include any area, place, or property at which response activities have been completed which satisfy the cleanup criteria for the residential category provided for in section 20120a(1)(a) and (17) or at which corrective action has been completed under Part 213 which satisfies the cleanup criteria for unrestricted residential use.

strength, and ring-down of these reflections were similar to the GPR response that is often observed over cylindrical-shaped steel objects such as USTs, large diameter metal pipes, or cylindrical-shaped metal containers. Based on the EM and GPR data, this anomalous area was interpreted to represent a possible UST. Other strong EM 'metal' anomalies identified during the survey were most likely associated with the known aboveground interference, such as buildings and fences.

3.1.2 Soil Evaluation

On May 6 and 7, 2009, AKT Peerless advanced twelve soil borings (SB-1 through SB-12) at the subject property. AKT Peerless used hydraulic drive/direct-push (Geoprobe®) sampling techniques and followed the drilling procedures outlined in ASTM publication D 6282-98 "*Standard Guide for Direct Push Soil Sampling for Environmental Site Characterizations.*" AKT Peerless collected continuous soil samples from the soil borings in four-foot intervals to the maximum depth explored of 16 feet below ground surface (bgs). AKT Peerless personnel inspected, field-screened, and logged the samples collected at each soil boring location. Refer to Figure 2 for a site map with soil boring locations. Boring logs are provided in Appendix A.

3.1.3 Groundwater Evaluation

AKT Peerless did not encounter groundwater in any of the soil borings advanced at the subject property.

3.1.4 Deviations from the Sampling and Analysis Plan

This Phase II ESA was conducted under a U.S. Environmental Protection Agency (EPA) Brownfield Assessment Grant awarded to the DWCPA. On April 21, 2009, AKT Peerless prepared a Phase II SAP on behalf of DWCPA. On April 30, 2009 the SAP was approved by the EPA Region 5 Project Manager. In completing field activities, the following deviations from the approved SAP were made:

- Additional soil samples were collected from SB-7, SB-9, and SB-11, based on increased PID readings and the presence of potential staining and/or odors during boring advancement

3.2 QUALITY ASSURANCE/QUALITY CONTROL

To ensure the accuracy of data collected during on site activities, AKT Peerless implemented proper quality assurance/quality control (QA/QC) measures. The QA/QC procedures included, but were not limited to the following: (1) decontamination of sampling equipment before and between sampling events; (2) calibration of field equipment; (3) documentation of field activities; (4) sample preservation techniques; and (5) collection of QA/QC samples.

3.2.1 Decontamination of Equipment

During sample collection, AKT Peerless adhered to proper decontamination procedures. Sampling equipment was decontaminated using the following methods to minimize potential cross-contamination of soil samples:

- Steam-cleaning or washing and scrubbing the equipment with non-phosphate detergent

- Rinsing the equipment
- Air-drying the equipment

3.2.2 Calibration of Field Equipment

All field instruments were calibrated prior to first use on-site to ensure accuracy. AKT Peerless utilized a photoionization detector (PID)during investigation activities at this subject property.

During AKT Peerless' Phase II ESA, a PID was used to screen all soil samples. The PID was maintained in a calibrated condition using 100 parts per million (ppm) isobutylene span gas prior to subsurface investigations.

3.2.3 Documentation of Activities

During AKT Peerless' Phase II ESA activities, subject property conditions (i.e., soil boring locations, weather conditions, etc.) were documented. AKT Peerless visually inspected the soil samples and prepared a geologic log for each soil boring. The logs include soil characteristics such as (1) color, (2) composition (e.g., sand, clay, or gravel), (3) soil moisture and water table depth, and (4) signs of possible contamination (i.e., stained or discolored soil, odors). Soil types were classified in accordance with ASTM publication D-2488 "*Unified Soil Classification System.*" All soil and groundwater samples were delivered to a laboratory under chain-of-custody documentation. See Appendix A for AKT Peerless' soil boring logs. See Figure 2 for site map with soil boring locations.

3.2.4 Sample Preservation Techniques

AKT Peerless collected soil samples according to USEPA Publication SW-846, *"Test Methods for Evaluating Solid Waste."* Soil and groundwater samples were collected in laboratory-supplied containers, stored on ice or at approximately 4 degrees Celsius, and submitted under chain-of-custody documentation.

Soil samples collected for volatile analyses were field preserved with methanol in accordance with U.S. EPA Method 5035. Soil samples collected for PNAs, PCBs, and metals analyses were stored in unpreserved, 4-ounce wide-mouth jars.

3.2.5 QA/QC Sample Collection

AKT Peerless collected QA/QC samples for soil matrices in accordance with the Michigan Department of Environmental Quality (MDEQ) – Remediation and Redevelopment Division (RRD) Operational Memorandum No. 2, Attachment 5. The duplicate and QA/QC samples are summarized below:

Summary of QA/QC Samples

QA/QC Sample	Laboratory Analytical Parameter(s)	Matrix	Number of Samples
Field Duplicates	used motor oil	Soil	1
Field Equipment Blank	VOCs and PNAs	Water	1

QA/QC Sample	Laboratory Analytical Parameter(s)	Matrix	Number of Samples
Matrix Spike/ Matrix Spike Duplicate	VOCs, PNAs, Michigan Metals	Soil	2
Trip Blank	VOCs	Water	1

3.3 LABORATORY ANALYSES AND METHODS

AKT Peerless submitted sixteen soil samples for laboratory analyses. The following table summarizes the location, depth, matrix, and laboratory analysis for each sample.

Summary of Laboratory Analyses

Sample Name/Depth (in feet)	Matrix	VOCs	PNAs	Metals	PCBs	Used Motor Oil
SB-1 (2-4)	Soil	-	-	-	-	☑
SB-1 (8-10)	Soil	-	-	-	-	☑
SB-2 (4-6)	Soil	-	-	-	-	☑
SB-3 (2-4)	Soil	☑	☑	☑	☑	-
SB-4 (2-4)	Soil	☑	☑	☑	☑	-
SB-5 (2-4)	Soil	☑	☑	☑	☑	-
SB-6 (2-4)	Soil	☑	☑	☑	☑	-
SB-7 (0.5-1)	Soil	☑	-	-	-	-
SB-7 (8-10)	Soil	☑	-	-	-	-
SB-8 (4-6)	Soil	☑	☑	-	-	-
SB-9 (0.5-1)	Soil	☑	☑	☑	-	-
SB-9 (2-3)	Soil	☑	☑	-	-	-
SB-10 (1-2)	Soil	☑	☑	☑	-	-
SB-11 (2-3)	Soil	☑	-	-	-	-
SB-11 (4-5)	Soil	☑	-	-	-	-
SB-12 (1-2)	Soil	☑	☑	-	-	-

The laboratory analyzed the samples for: (1) VOCs in accordance with USEPA Method 5035/8260B; (2) PNAs in accordance with USEPA Method 3550B/8270C; (3) metals with USEPA Method 3050B/6020; (4) PCBs in accordance with USEPA Method 3550B/8082; and (4) mercury in accordance with EPA Method 7471A.

4.0 EVALUATION AND PRESENTATION OF RESULTS

4.1 SUBSURFACE CONDITIONS

4.1.1 Soil and Groundwater Conditions based on Published Material

According to the USDA's *Soil Survey of Wayne County, Michigan* (1977), soil at the subject property is classified as belonging to the Pewamo-Blount Metamora association, which is described as nearly level to gently sloping, very poorly drained to somewhat poorly drained soil that has a fine textured to moderately coarse textured subsoil. The subject property is beyond the limits of the survey.

According to the Michigan Geological Survey Division's publication, *Quaternary Geology of Southern Michigan* (1982), soil in the subject property area is defined as lacustrine clay and silt. This soil is described as gray to dark reddish brown and is varved in some localities. The soil chiefly underlies extensive, flat, low-lying areas formerly inundated by glacial Great Lakes, but also occurs in separate, small lake basins and includes small areas of lacustrine sand and clay-rich till. The soil thickness ranges from one to 30 feet. Typically, lacustrine clay and silt are associated with low hydraulic permeability and restrict the movement of groundwater.

AKT Peerless did not encounter groundwater during subsurface investigation activities to the maximum explored depth of 16 feet bgs. Typically, the water table aquifer flows toward a major drainage feature or in the same direction as the drainage basin. The Detroit River, which flows to the southwest, is located approximately 0.45-miles south of the subject property. Therefore, AKT Peerless infers that groundwater beneath the subject property flows to the south-southeast.

AKT Peerless' research did not identify known groundwater recharge area on or near the subject property, or groundwater supply or monitor wells on the subject property. Groundwater from the area of the subject property does not serve as the primary drinking water source for properties in Detroit, which obtains its municipal water from the Detroit Water and Sewerage Department. Public sources of information do not identify main aquifers below the subject property.

4.1.2 Soil and Groundwater Conditions based on Field Observations

During drilling activities, AKT Peerless encountered the following soil types:

- FILL from below the grass or pavement to approximately four to six feet bgs. This fill consisted of sand with trace gravel and silt near the anomaly (SB-1 and SB-2) and in the parking lot (SB-6) and a medium-stiff, dark brown and gray, mottled, clay with silt and trace gravel. Masonry and other construction debris was noted in SB-3 through SB-5, SB-8, and SB-9.
- CLAY from below the fill material to approximately 16 feet bgs, the maximum depth explored. This clay was medium-stiff to stiff, dark brown and gray, mottled, with silt and trace gravel.

AKT Peerless did not encounter groundwater in the soil borings advanced at the subject property. See Figure 2 for a site map with soil boring locations. See Appendix A for AKT Peerless' soil boring logs.

4.2 MDEQ RELEVANT EXPOSURE PATHWAYS AND APPLICABLE CRITERIA

4.2.1 Relevant Exposure Pathways

As defined in Michigan Public Act 451 Part 201, "relevant pathway" means an exposure pathway that is reasonable and relevant because there is a reasonable potential for exposure to a hazardous substance. The analysis of potential exposure pathways is based on known existing conditions at the subject property. The following subsections identify the relevant exposure pathways based on the subject property conditions observed.

4.2.1.1 Ingestion of Groundwater Pathway

Groundwater was not encountered in the soil borings advanced at the subject property. Soil borings were advanced to a maximum depth of 16 feet bgs. AKT Peerless encountered a confining layer consisting of clay from depths ranging from four to six feet bgs to 16 feet bgs, the maximum depth explored, except in the hand-auger soil borings.

The groundwater at the subject property does not meet the definition of "groundwater in an aquifer." In addition, the City of Detroit prohibits well installation and provides municipal drinking water service. Therefore, Ingestion of Groundwater at the subject property is not a relevant exposure pathway.

4.2.1.2 Groundwater Venting to Surface Water Pathway

Groundwater was not encountered in the soil borings advanced at the subject property. Groundwater Venting to Surface Water is not a human exposure pathway, but rather an exposure pathway based on aquatic toxicity. The subject property is not located adjacent to lakes or rivers. In addition, the storm water sewer system is combined and connected with the City of Detroit's sewer system. Further, contaminants are not reasonably expected to vent to surface waters of the state in concentrations that exceed MDEQ Generic Groundwater/Surface Water Interface (GSI) criteria. Therefore, based on the above evaluation the Groundwater Venting to Surface Water pathway is not considered a relevant exposure pathway.

4.2.1.3 Groundwater Contact Pathway

The Groundwater Contact pathway is a relevant exposure pathway.

4.2.1.4 Volatilization to Indoor Air Inhalation Pathway

Volatilization to Indoor Air Inhalation is a relevant exposure pathway.

4.2.1.5 Volatilization to Ambient Air Pathway

Volatilization to Ambient Air is a relevant exposure pathway.

4.2.1.6 Particulate Inhalation Pathway

Particulate Inhalation is a relevant exposure pathway.

4.2.1.7 Direct Contact Pathway

Direct Contact is a relevant exposure pathway.

4.2.2 Applicable Criteria

Applicable criterion means a cleanup criterion for a relevant pathway. A criterion is not applicable if the exposure pathway is not relevant. Based on the exposure pathway evaluation, the applicable pathways at the subject property include:

- Groundwater Contact Protection Criteria (GCP);
- Soil Volatilization to Indoor Air Inhalation (SVIAI);
- Infinite Source Volatile Soil Inhalation (VSIC);
- Particulate Soil Inhalation (PSI), and;
- Soil Direct Contact (DC).

AKT Peerless compared the laboratory analytical data to the applicable Part 201 Generic Residential Cleanup Criteria (GRCC) as published by the MDEQ-RRD.

4.3 LABORATORY ANALYTICAL RESULTS

AKT Peerless collected soil samples for the purpose of determining if the subject property meets the definition of a *facility*. Analytical results were compared with MDEQ Residential and Commercial I Generic Cleanup Criteria provided in MDEQ RRD's Operational Memorandum No. 1, Tables 1 and 2.

4.3.1 Soil Analytical Results

AKT Peerless submitted 16 soil samples for select laboratory analysis of VOCs, PNAs, PCBs, and Michigan Metals. The results of the laboratory analyses of the soil samples are summarized in the table below:

Summary of Soil Analytical Results

Soil Boring Location & Depth*	Parameter	MDEQ Criteria Exceeded						
		DWP	GSIP	GCP	SVIAI	VSI	PSI	DC
SB-4 (2-4)	Arsenic	☑	-	-	-	-	-	-
	Total Chromium	-	☑	-	-	-	-	-
	Mercury	-	☑	-	-	-	-	-
SB-5 (2-4)	Mercury	-	☑	-	-	-	-	-

Soil Boring Location & Depth*	Parameter	MDEQ Criteria Exceeded						
		DWP	GSIP	GCP	SVIAI	VSI	PSI	DC
SB-9 (0.5-1)	Arsenic	☑	-	-	-	-	-	-

*- Sample identification: SB-# indicates soil boring and (#-#) indicates sample depth in feet.
DWP – Drinking Water Protection Criteria
GSIP – Groundwater Surface Water Interface Protection Criteria
GCP – Groundwater Contact Protection Criteria
SVIAI – Soil Volatilization to Indoor Air Inhalation Criteria
VSI – Volatile Soil Inhalation Criteria
PSI – Particulate Soil Inhalation Criteria
DC – Direct Contact Criteria

It should be noted that reporting limits were elevated above MDEQ GRCC, but below applicable criteria, for some VOCs. These elevated reporting limits are noted on Table 1.

Refer to Table 1 for a summary of soil analytical results. Refer to Appendix C for a complete analytical laboratory report.

4.3.2 Groundwater Analytical Results

AKT Peerless did not encounter groundwater in the soil borings advanced at the subject property.

4.3.3 Quality Assurance/Quality Control Analytical Results

4.3.3.1 Soil

AKT Peerless collected QA/QC samples for soil matrices as recommended by the MDEQ RRD Operational Memorandum No. 2, Attachment 5. Samples were analyzed in accordance with the specified methods and met specified hold times for each analytical group. Laboratory analytical results for samples analyzed were within the expected detection limits.

5.0 SUMMARY, CONCLUSIONS, AND RECOMMENDATIONS

5.1 SUMMARY OF ENVIRONMENTAL CONCERNS

Based on AKT Peerless' February 2009 Phase I ESA, the following environmental concerns were identified:

- Historical dry cleaning and laundry operations;
- Historical automobile repair;
- Former USTs on the subject property;
- Fill materials of an unknown origin;
- Historical heating sources; and
- Adjoining properties.

5.2 SUMMARY OF SUBSURFACE INVESTIGATION

On May 6, 2009, AKT Peerless conducted a subsurface investigation at the subject property to further evaluate environmental concerns identified during previous environmental investigations that included: (1) conducting a geophysical survey of accessible areas; (2) drilling 12 soil borings (SB-1 through SB-12); and (3) collecting 16 soil samples. Samples were submitted for select laboratory analysis including VOCs, PNAs, PCBs, and Michigan Metals.

5.3 CONCLUSIONS

AKT Peerless conducted soil sampling in areas most likely to be impacted by contaminants based on the past use of the subject property. The results of the investigation indicate the following:

- AKT Peerless submitted 16 soil samples for select laboratory analysis of VOCs, PNAs, PCBs, and Michigan Metals.
- Target parameters were not detected above applicable MDEQ GRCC.
- Reporting limits were elevated above MDEQ GRCC, but below applicable criteria, for some VOCs. Elevated reporting limits are noted on Table 1.
- The geophysical survey identified an anomaly in the northeastern portion of Parcel F. Based on the EM and GPR data, this anomalous area was interpreted to represent a possible UST. Other strong EM 'metal' anomalies identified during the survey were most likely associated with the known aboveground interference, such as buildings and fences.

Based on laboratory analytical results, the subject property does not meet the definition of a *facility*, as defined in Part 201 of the NREPA, Michigan PA 451, 1994, as amended.

5.4 RECOMMENDATIONS

AKT Peerless recommends additional investigation to evaluate the detected anomaly on Parcel F to determine whether a UST is present at this location. If it is determined that a UST exists in this location, AKT Peerless recommends that it be decommissioned, removed, and/or disposed in accordance with applicable federal, state, and local regulations. Additional action beyond that recommended above may be warranted if evidence of an actual UST is identified at the subject property.

6.0 LIMITATIONS

The information and opinions obtained in this report are for the exclusive use of Land, Inc. and DWCPA. No distribution to or reliance by other parties may occur without the express written permission of AKT Peerless. AKT Peerless will not distribute this report without your written consent or as required by law or by a Court order. The information and opinions contained in the report are given in light of that assignment. The report must be reviewed and relied upon only in conjunction with the terms and conditions expressly agreed upon by the parties and as limited therein. Any third parties who have been extended the right to rely on the contents of this report by AKT Peerless (which is expressly required prior to any third-party release), expressly agrees

to be bound by the original terms and conditions entered into by AKT Peerless, Land, Inc., and the DWCPA.

Subject to the above and the terms and conditions, AKT Peerless accepts responsibility for the competent performance of its duties in executing the assignment and preparing reports in accordance with the normal standards of the profession, but disclaims any responsibility for consequential damages. Although AKT Peerless believes that results contained herein are reliable, AKT Peerless cannot warrant or guarantee that the information provided is exhaustive or that the information provided by Land, Inc. and DWCPA or third parties is complete or accurate.

7.0 SIGNATURES OF ENVIRONMENTAL PROFESSIONALS

The following individuals contributed to the completion of this investigation.

Timothy J. McGahey, CHMM, LEED AP
Operations Manager – Detroit Branch
AKT PEERLESS ENVIRONMENTAL AND ENERGY SERVICES
Detroit, Michigan Office

Deanna L. Hutsell, P.E.
Environmental Consultant
AKT PEERLESS ENVIRONMENTAL AND ENERGY SERVICES
Detroit, Michigan Office

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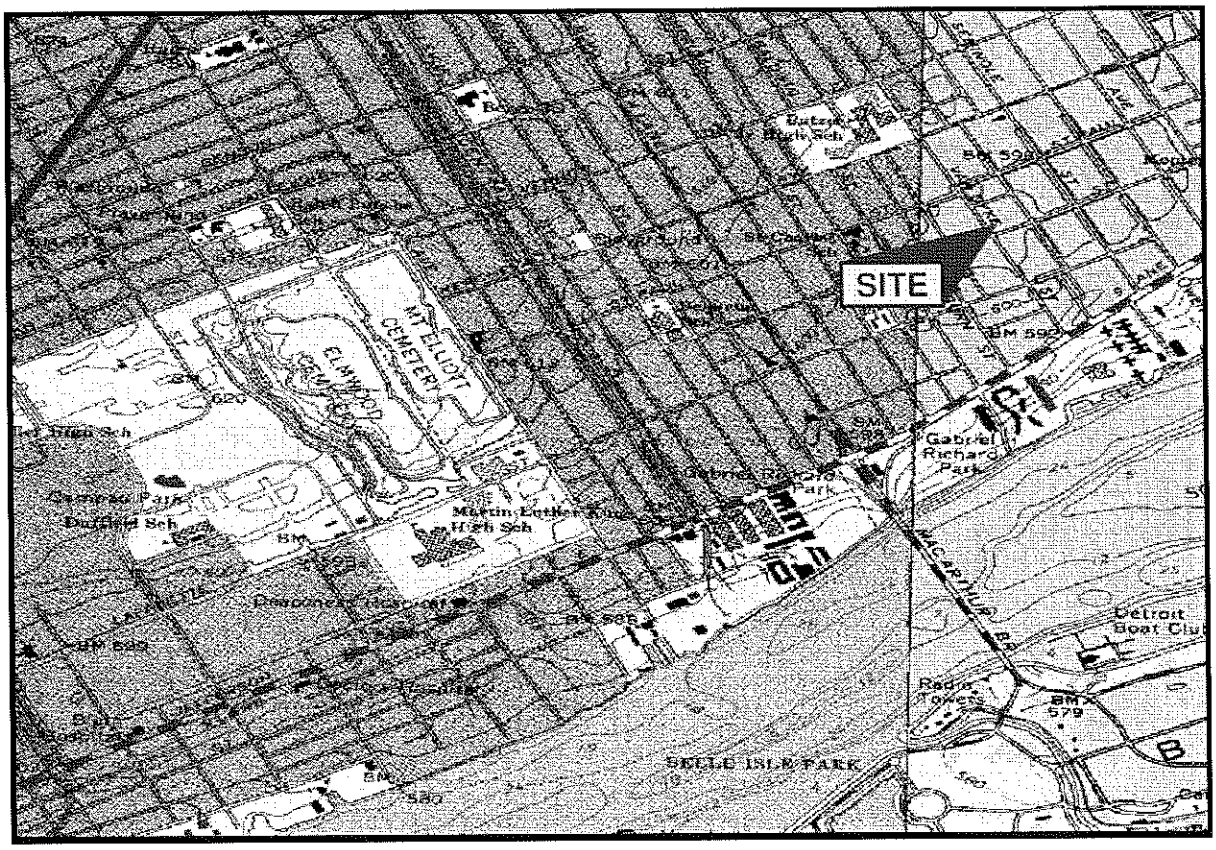
FIGURES

BELLE ISLE QUADRANGLE

MICHIGAN - WAYNE COUNTY

7.5 MINUTE SERIES (TOPOGRAPHIC)



T.12 N. - R.4 E.

1 ½ 0 1 MILE

1000 0 1000 2000 3000 4000 5000 6000 7000 FEET

1 .5 0 1 KILOMETER

CONTOUR INTERVAL 5 FEET
DATUM IS MEAN SEA LEVEL

MICHIGAN
QUADRANGLE LOCATION

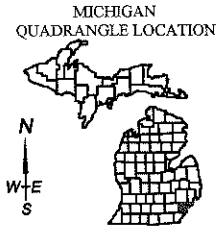


IMAGE TAKEN FROM 1968 U.S.G.S. TOPOGRAPHIC MAP
PHOTOREVISED 1973 AND 1980

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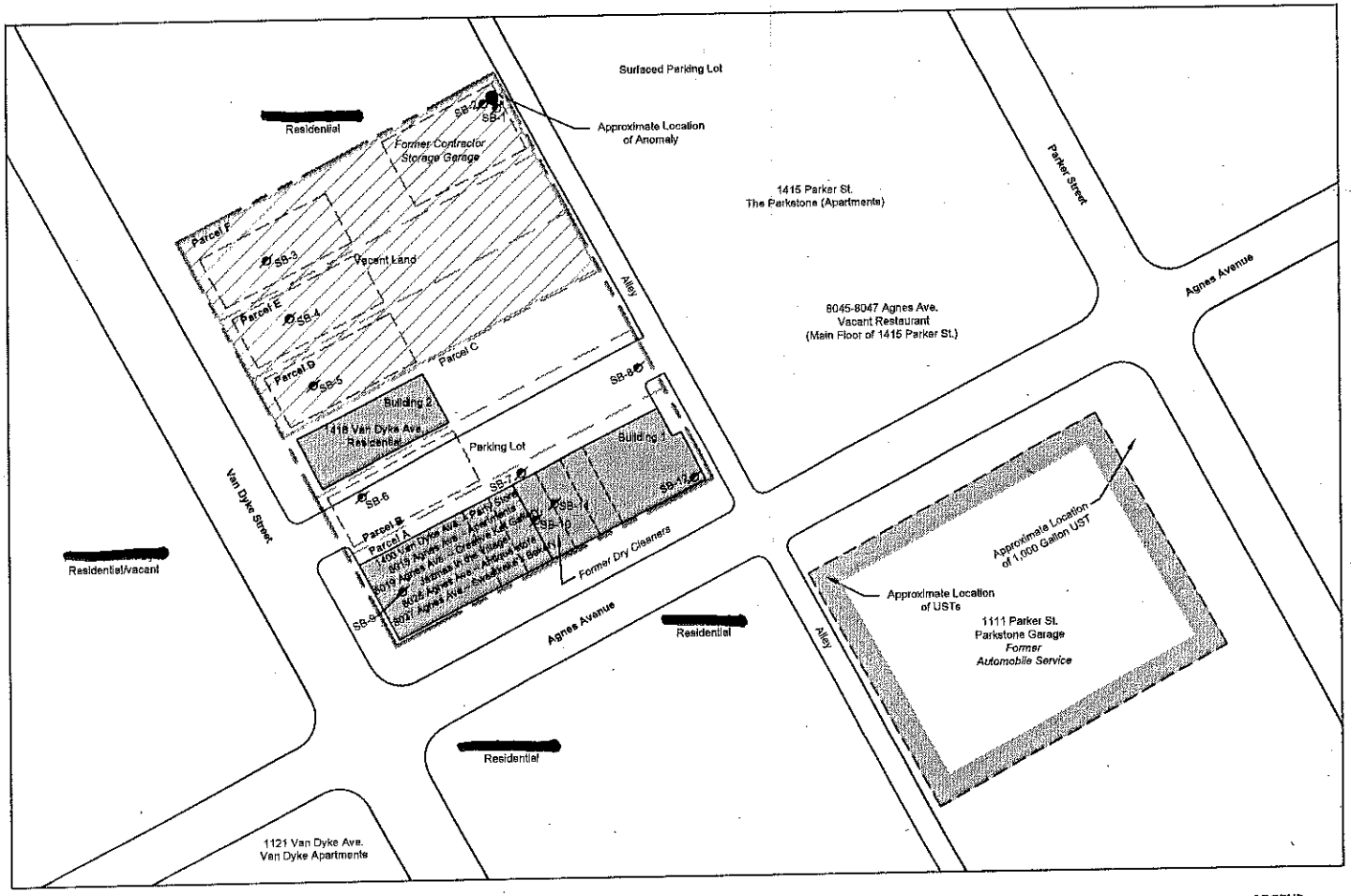
TOPOGRAPHIC LOCATION MAP

1400-1434 VAN DYKE AVENUE AND
8001-8031 AGNES AVENUE
DETROIT, MICHIGAN
PROJECT NUMBER : 6101D-2-20

DRAWN BY: K Edmond
DATE: 5/14/2009

FIGURE 1

P:\Projects 6000\6101d DWCPA 1400-1434 VanDyke Detroit Michigan\6101d CAD-Figures\Working Figures\6101d cad.dwg, Fig 1 TOPO M 2-20, 5/1/2009 1:25:01 PM, ANSI full blead A (8.50 x 11.00 inches)



DRAWN BY: K Edmund
DATE: 5/12/2009
SCALE: 1" = 50'-0"
FIGURE 2

SITE MAP WITH SOIL BORING LOCATIONS

1400-1434 VAN DYKE AVENUE AND
8001-8051 AGNES AVENUE
DETROIT, MICHIGAN
PROJECT NUMBER : 6101D-2-20

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TABLES

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Table 1
Summary of Soil Analytical Results
1400-1434 Van Dyke Avenue and 8001-8031 Agnes Avenue
Detroit, Michigan
AKT Peerless Project Number: 6101D-2-20

Guidesheet Number	→	#10	#11	#12	#13	#14	#15	#18	#19	#20										
Parameters*	**Chemical Abstract Service Number**	**Statewide Default Background Levels**	**Residential and Commercial Drinking Water Protection Criteria and**	**Groundwater Surface Water Interface Protection Criteria and RBSLs**	**Groundwater Contact Protection Criteria and RBSLs**	**Soil Volatilization to Indoor Air Inhalation Criteria and RBSLs**	**Infinite Source Volatile Soil Inhalation Criteria (VSIC) and RBSLs**	**Particulate Soil Inhalation Criteria and RBSLs**	**Direct Contact Criteria and RBSLs**	**Soil Saturation Concentration Screening Levels**	Sample Location	SB-1 (2-4)	SB-1 (8-10)	SB-2 (4-6)	SB-3 (2-4)	SB-4 (2-4)	SB-5 (2-4)	SB-6 (2-4)	SB-7 (0.5-1)	SB-7 (8-10)
(Refer to detailed laboratory report for method reference data)											Collection Date	5/6/2009	5/6/2009	5/6/2009	5/6/2009	5/6/2009	5/6/2009	5/6/2009	5/6/2009	5/6/2009
											Depth									
Analytes	**CAS#**																			
Metals (ug/Kg)																				
Arsenic	7440-38-2	5,800	**4,600**	70,000 (X)	2.0E+6	NLV	NLV	7.2E+5	7,600	NA		NA	NA	NA	5,000	**6,000**	3,200	4,800	NA	NA
Barium (B)	7440-39-3	75,000	1.3E+6	(G,X)	1.0E+9 (D)	NLV	NLV	3.3E+8	3.7E+7	NA		NA	NA	NA	46,000	66,000	32,000	59,000	NA	NA
Cadmium (B)	7440-43-9	1,200	6,000	(G,X)	2.3E+8	NLV	NLV	1.7E+6	5.5E+5	NA		73	190	300	140	260	160	330	NA	NA
Chromium, Total	7440-47-3	18,000 (total)	30,000	**3,300**	1.4E+8	NLV	NLV	2.6E+5	2.5E+6	NA		7,600	16,000	14,000	18,000	**23,000**	8,200	9,500	NA	NA
Copper (B)	7440-50-8	32,000	5.8E+6	(G)	1.0E+9 (D)	NLV	NLV	1.3E+8	2.0E+7	NA		NA	NA	NA	18,000	33,000	11,000	13,000	NA	NA
Lead (B)	7439-92-1	21,000	7.0E+5	(G,X)	ID	NLV	NLV	1.0E+8	4.0E+5	NA		5,600	10,000	110,000	10,000	58,000	36,000	96,000	NA	NA
Mercury, Total	7439-97-6	130	1,700	**50 (M); 1.2**	47,000	48,000	52,000	2.0E+7	1.6E+5	NA		NA	NA	NA	<57	**230**	**180**	62	NA	NA
Selenium (B)	7782-49-2	410	4,000	400	7.8E+7	NLV	NLV	1.3E+8	2.6E+6	NA		NA	NA	NA	260	340	<200	260	NA	NA
Silver (B)	7440-22-4	1,000	4,500	100 (M); 27	2.0E+8	NLV	NLV	6.7E+6	2.5E+6	NA		NA	NA	NA	<100	<100	<100	<100	NA	NA
Zinc (B)	7440-66-6	47,000	2.4E+6	(G)	1.0E+9 (D)	NLV	NLV	ID	1.7E+8	NA		NA	NA	NA	50,000	74,000	41,000	100,000	NA	NA
Polychlorinated Biphenyls (PCBs) (ug/Kg)																				
Polychlorinated biphenyls (PCBs) (J,T)	1336-36-3	NA	NLL	NLL	NLL	3.0E+6	2.4E+5	5.2E+6	(T)	NA		NA	NA	NA	<370	<380	<380	<390	NA	NA
Remaining PCBs	varies	-	-	-	-	-	-	-	-	-		NA	NA	NA	ND	ND	ND	ND	NA	NA
Polynuclear Aromatic Hydrocarbons (PNAs) (ug/Kg)																				
Acenaphthene	83-32-9	NA	3.0E+5	4,400	9.7E+5	1.9E+8	8.1E+7	1.4E+10	4.1E+7	NA		<430	<380	<390	<370	<380	<380	<390	NA	NA
Acenaphthylene	208-96-8	NA	5,900	ID	4.4E+5	1.6E+6	2.2E+6	2.3E+9	1.6E+6	NA		<430	<380	<390	<370	<380	<380	<390	NA	NA
Anthracene	120-12-7	NA	41,000	ID	41,000	1.0E+9 (D)	1.4E+9	6.7E+10	2.3E+8	NA		<430	<380	<390	<370	<380	<380	<390	NA	NA
Benzo(a)anthracene (Q)	56-55-3	NA	NLL	NLL	NLL	NLV	NLV	ID	20,000	NA		<430	<380	<390	<370	<380	<380	<390	NA	NA
Benzo(a)pyrene (Q)	50-32-8	NA	NLL	NLL	NLL	NLV	NLV	1.5E+6	2,000	NA		<430	<380	<390	<370	<380	<380	<390	NA	NA
Benzo(b)fluoranthene (Q)	205-99-2	NA	NLL	NLL	NLL	ID	ID	ID	20,000	NA		<430	<380	<390	<370	<380	<380	<390	NA	NA
Benzo(g,h,i)perylene	191-24-2	NA	NLL	NLL	NLL	NLV	NLV	8.0E+8	2.5E+6	NA		<430	<380	<390	<370	<380	<380	<390	NA	NA
Benzo(k)fluoranthene (Q)	207-08-9	NA	NLL	NLL	NLL	NLV	NLV	ID	2.0E15	NA		<430	<380	<390	<370	<380	<380	<390	NA	NA
Chrysene (Q)	218-01-9	NA	NLL	NLL	NLL	ID	ID	ID	2.0E+6	NA		<430	<380	<390	<370	<380	<380	<390	NA	NA
Dibenzo(a,h)anthracene (Q)	53-70-3	NA	NLL	NLL	NLL	NLV	NLV	ID	2,000	NA		<430	<380	<390	<370	490	<380	470	NA	NA
Fluoranthene	206-44-0	NA	7.3E+5	5,500	7.3E+5	1.0E+9 (D)	7.4E+8	9.3E+9	4.6E+7	NA		<430	<380	<390	<370	<380	<380	<390	NA	NA
Fluorene	86-73-7	NA	3.9E+5	5,300	8.9E+5	5.8E+8	1.3E+8	9.3E+9	2.7E+7	NA		<430	<380	<390	<370	<380	<380	<390	NA	NA
Indeno(1,2,3-cd)pyrene (Q)	193-39-5	NA	NLL	NLL	NLL	NLV	NLV	ID	20,000	NA		<430	<380	<390	<370	<380	<380	<390	<410	<370
2-Methylnaphthalene	91-57-6	NA	57,000	ID	5.5E+6	ID	ID	ID	8.1E+6	NA		<430	<380	<390	<370	<380	<380	<390	<410	<370
Naphthalene	91-20-3	NA	35,000	870	2.1E+6	2.5E+5	3.0E+5	2.0E+8	1.6E+7	NA		<430	<380	<390	<370	420	<380	<390	NA	NA
Phenanthrene	85-01-8	NA	56,000	5,300	1.1E+6	2.8E+6	1.6E+5	6.7E+6	1.6E+6	NA		<430	<380	<390	<370	410	<380	<390	NA	NA
Pyrene	129-00-0	NA	4.8E+5	ID	4.8E+5	1.0E+9 (D)	6.5E+8	6.7E+9	2.9E+7	NA										
Volatile Organic Compounds (VOCs) (ug/Kg)																				
Acrylonitrile (I)	107-13-1	NA	**100 (M); 52**	**100 (M,X); 98**	2.8E+5	6,600	5,000	4.6E+7	16,000	8.3E+6		NA	NA	NA	**<110**	**<120**	**<110**	**<120**	**<120**	**<110**
Dibromochloropropane	96-12-8	NA	**10 (M); 4.0**	NA	1,200 (C)	1,200 (C)	13,000	1.3E+7	1,200 (C)	1,200		NA	NA	NA	**<11**	**<12**	**<11**	**<12**	**<12**	**<11**
Ethylene dibromide	106-93-4	NA	**20 (M); 1.0**	**20 (M); 4.0**	500	670	1,700	1.4E+7	92	8.9E+5		**<65**	**<58**	**<59**	**<23**	**<23**	**<23**	**<23**	**<25**	**<22**
Methylene chloride	75-09-2	NA	**100**	19,000 (X)	2.3E+6 (C)	45,000	2.1E+5	6.6E+9	1.3E+6	2.3E+6		<320	<290	<300	<110	<120	<110	<120	<120	<110
Vinyl chloride	75-01-4	NA	**40**	300	20,000	270	4,200	3.5E+8	3,800	4.9E+5		<52	<46	<47	<45	<46	<46	<47	<49	<45
Remaining VOCs	varies	-	-	-	-	-	-	-	-	-		ND	ND	ND	ND	ND	ND	ND	ND	ND

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Table 1
Summary of Soil Analytical Results
1400-1434 Van Dyke Avenue and 8001-8031 Agnes Avenue
Detroit, Michigan
AKT Peerless Project Number: 6101D-2-20

Guidesheet Number	→	#10	#11	#12	#13	#14	#15	#18	#19	#20							
Parameters*	**Chemical Abstract Service Number**	**Statewide Default Background Levels**	**Residential and Commercial I Drinking Water Protection Criteria and**	**Groundwater Surface Water Interface Protection Criteria and RBSLs**	**Groundwater Contact Protection Criteria and RBSLs**	**Soil Volatilization to Indoor Air Inhalation Criteria and RBSLs**	**Infinite Source Volatile Soil Inhalation Criteria (VSIC) and RBSLs**	**Particulate Soil Inhalation Criteria and RBSLs**	**Direct Contact Criteria and RBSLs**	**Soil Saturation Concentration Screening Levels**	Sample Location	SB-8 (4-6)	SB-9 (0.5-1)	SB-9 (2-3)	SB-10 (1-2)	SB-11 (2-3)	SB-11 (4-5)	SB-12 (1-2)
(Refer to detailed laboratory report for method reference data)											Collection Date	5/6/2009	5/6/2009	5/6/2009	5/6/2009	5/6/2009	5/6/2009	5/6/2009
											Depth							
Analytes	**CAS#**																	
Metals (ug/Kg)																		
Arsenic	7440-38-2	5,800	**4,600**	70,000 (X)	2.0E+6	NLV	NLV	7.2E+5	7,600	NA		NA	**6,000**	NA	5,200	NA	NA	NA
Barium (B)	7440-39-3	75,000	1.3E+6	(G,X)	1.0E+9 (D)	NLV	NLV	3.3E+8	3.7E+7	NA		NA	70,000	NA	46,000	NA	NA	NA
Cadmium (B)	7440-43-9	1,200	6,000	(G,X)	2.3E+8	NLV	NLV	1.7E+6	5.5E+5	NA		NA	240	NA	180	NA	NA	NA
Chromium, Total	7440-47-3	18,000 (total)	30,000	3,300	1.4E+8	NLV	NLV	2.6E+5	2.5E+6	NA		NA	15,000	NA	16,000	NA	NA	NA
Copper (B)	7440-50-8	32,000	5.8E+6	(G)	1.0E+9 (D)	NLV	NLV	1.3E+8	2.0E+7	NA		NA	20,000	NA	19,000	NA	NA	NA
Lead (B)	7439-92-1	21,000	7.0E+5	(G,X)	ID	NLV	NLV	1.0E+8	4.0E+5	NA		NA	63,000	NA	9,100	NA	NA	NA
Mercury, Total	7439-97-6	130	1,700	50 (M); 1.2	47,000	48,000	52,000	2.0E+7	1.6E+5	NA		NA	<61	NA	<57	NA	NA	NA
Selenium (B)	7782-49-2	410	4,000	400	7.8E+7	NLV	NLV	1.3E+8	2.6E+6	NA		NA	330	NA	240	NA	NA	NA
Silver (B)	7440-22-4	1,000	4,500	100 (M); 27	2.0E+8	NLV	NLV	6.7E+6	2.5E+6	NA		NA	<100	NA	<100	NA	NA	NA
Zinc (B)	7440-66-6	47,000	2.4E+6	(G)	1.0E+9 (D)	NLV	NLV	ID	1.7E+8	NA		NA	56,000	NA	51,000	NA	NA	NA
Polychlorinated Biphenyls (PCBs) (ug/Kg)																		
Polychlorinated biphenyls (PCBs) (J,T)	1336-36-3	NA	NLL	NLL	NLL	3.0E+6	2.4E+5	5.2E+6	(T)	NA		NA	NA	NA	NA	NA	NA	NA
Remaining PCBs	varies	-	-	-	-	-	-	-	-	-		NA	NA	NA	NA	NA	NA	NA
Polynuclear Aromatic Hydrocarbons (PNAs) (ug/Kg)																		
Acenaphthene	83-32-9	NA	3.0E+5	4,400	9.7E+5	1.9E+8	8.1E+7	1.4E+10	4.1E+7	NA		<420	<400	<390	<380	NA	NA	<370
Acenaphthylene	208-96-8	NA	5,900	ID	4.4E+5	1.6E+6	2.2E+6	2.3E+9	1.6E+6	NA		<420	<400	<390	<380	NA	NA	<370
Anthracene	120-12-7	NA	41,000	ID	41,000	1.0E+9 (D)	1.4E+9	6.7E+10	2.3E+8	NA		<420	760	<390	<380	NA	NA	<370
Benzo(a)anthracene (Q)	56-55-3	NA	NLL	NLL	NLL	NLV	NLV	ID	20,000	NA		<420	2,000	<390	<380	NA	NA	<370
Benzo(a)pyrene (Q)	50-32-8	NA	NLL	NLL	NLL	NLV	NLV	1.5E+6	2,000	NA		<420	1,500	<390	<380	NA	NA	<370
Benzo(b)fluoranthene (Q)	205-99-2	NA	NLL	NLL	NLL	ID	ID	ID	20,000	NA		<420	2,000	<390	<380	NA	NA	<370
Benzo(g,h,i)perylene	191-24-2	NA	NLL	NLL	NLL	NLV	NLV	8.0E+8	2.5E+6	NA		<420	750	<390	<380	NA	NA	<370
Benzo(k)fluoranthene (Q)	207-08-9	NA	NLL	NLL	NLL	NLV	NLV	ID	2.0E+5	NA		<420	850	<390	<380	NA	NA	<370
Chrysene (Q)	218-01-9	NA	NLL	NLL	NLL	ID	ID	ID	2.0E+6	NA		<420	1,800	<390	<380	NA	NA	<370
Dibenzo(a,h)anthracene (Q)	53-70-3	NA	NLL	NLL	NLL	NLV	NLV	ID	2,000	NA		<420	<400	<390	<380	NA	NA	<370
Fluoranthene	206-44-0	NA	7.3E+5	5,500	7.3E+5	1.0E+9 (D)	7.4E+8	9.3E+9	4.6E+7	NA		<420	4,500	530	<380	NA	NA	<370
Fluorene	86-73-7	NA	3.9E+5	5,300	8.9E+5	5.8E+8	1.3E+8	9.3E+9	2.7E+7	NA		<420	<400	<390	<380	NA	NA	<370
Indeno(1,2,3-cd)pyrene (Q)	193-39-5	NA	NLL	NLL	NLL	NLV	NLV	ID	20,000	NA		<420	800	<390	<380	NA	NA	<370
2-Methylnaphthalene	91-57-6	NA	57,000	ID	5.5E+6	ID	ID	ID	8.1E+6	NA		<420	<400	<390	<380	<400	<390	<370
Naphthalene	91-20-3	NA	35,000	870	2.1E+6	2.5E+5	3.0E+5	2.0E+8	1.6E+7	NA		<420	<400	<390	<380	<400	<390	<370
Phenanthrene	85-01-8	NA	56,000	5,300	1.1E+6	2.8E+6	1.6E+5	6.7E+6	1.6E+6	NA		<420	3,800	400	<380	NA	NA	<370
Pyrene	129-00-0	NA	4.8E+5	ID	4.8E+5	1.0E+9 (D)	6.5E+8	6.7E+9	2.9E+7	NA		<420	4,800	<390	<380	NA	NA	<370
Volatile Organic Compounds (VOCs) (ug/Kg)																		
Acrylonitrile (I)	107-13-1	NA	**100 (M); 52**	**100 (M,X); 98**	2.8E+5	6,600	5,000	4.6E+7	16,000	8.3E+6		**<130**	**<120**	**<120**	**<110**	**<120**	**<120**	**<110**
Dibromochloropropane	96-12-8	NA	**10 (M); 4.0**	NA	1,200 (C)	1,200 (C)	13,000	1.3E+7	1,200 (C)	1,200		**<13**	**<12**	**<12**	**<11**	**<12**	**<12**	**<11**
Ethylene dibromide	106-93-4	NA	**20 (M); 1.0**	**20 (M); 4.0**	500	670	1,700	1.4E+7	92	8.9E+5		**<25**	**<24**	**<24**	**<23**	**<24**	**<24**	**<22**
Remaining VOCs	varies	-	-	-	-	-	-	-	-	-		ND	ND	ND	ND	ND	ND	ND

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FOOTNOTES

FOR THE PART 201 CRITERIA/PART 213 RISK-BASED SCREENING LEVELS
RRD OPERATIONAL MEMORANDUM No. 1

(A) Criterion is the state of Michigan drinking water standard established pursuant to Section 5 of 1976 pa 399, mcl 325.1005.

(B) Background, as defined in R 299.5701(b), may be substituted if higher than the calculated cleanup criterion. Background levels may be less than criteria for some inorganic compounds.

(C) Value presented is a screening level based on the chemical-specific generic soil saturation concentration (C_{sat}) since the calculated risk-based criterion is greater than C_{sat}. Concentrations greater than C_{sat} are acceptable cleanup criteria for this pathway where a site-specific demonstration indicates that free-phase material containing a hazardous substance is not present.

(D) Calculated criterion exceeds 100 percent, hence it is reduced to 100 percent or 1.0E+9 parts per billion (ppb).

(E) Criterion is the aesthetic drinking water value, as required by Section 20120a(5) of the Natural Resources and Environmental Protection Act, 1994 PA 451, as amended (NREPA).

(F) Criterion is based on adverse impacts to plant life and phytotoxicity.

(G) Groundwater surface water interface (GSI) criterion depends on the pH or water hardness, or both, of the receiving surface water.

(H) Valence-specific chromium data (Cr III and Cr VI) shall be compared to the corresponding valence-specific cleanup criteria.

(I) Hazardous substance may exhibit the characteristic of ignitability as defined in 40 C.F.R. §261.21 (revised as of July 1, 2001), which is adopted by reference in these rules.

(J) Hazardous substance may be present in several isomer forms. Isomer-specific concentrations shall be added together for comparison to criteria.

(K) Hazardous substance may be flammable or explosive, or both.

(L) Criteria for lead are derived using a biologically based model, as allowed for under Section 20120a(10) of the NREPA, and are not calculated using the algorithms and assumptions specified in pathway-specific rules.

(M) Calculated criterion is below the analytical target detection limit, therefore, the criterion defaults to the target detection limit.

(N) The concentrations of all potential sources of nitrate-nitrogen (e.g., ammonia-N, nitrite-N, nitrate-N) in groundwater that is used as a source of drinking water shall not, when added together, exceed the nitrate drinking water criterion of 10,000 ug/L. Where leaching to groundwater is a relevant pathway, soil concentrations of all potential sources of nitrate-nitrogen shall not, when added together, exceed the nitrate drinking water protection criterion of 2.0E+5 ug/kg.

(O) The concentration of all polychlorinated and polybrominated dibenzodioxin and dibenzofuran isomers present at a facility, expressed as an equivalent concentration of 2,3,7,8-tetrachlorodibenzo-p-dioxin based upon their relative potency, shall be added together and compared to the criteria for 2,3,7,8-tetrachlorodibenzo-p-dioxin.

(P) Amenable cyanide methods or method OIA-1677 shall be used to quantify cyanide concentrations for compliance with all groundwater criteria. Total cyanide methods or method OIA-1677 shall be used to quantify cyanide concentrations for compliance with soil criteria. Industrial-commercial direct contact criteria may not be protective of the potential for release of hydrogen cyanide gas. Additional land or resource use restrictions may be necessary to protect for the acute inhalation concerns associated with hydrogen cyanide gas.

(Q) Criteria for carcinogenic polycyclic aromatic hydrocarbons were developed using relative potential potencies to benzo(a)pyrene.

(R) Hazardous substance may exhibit the characteristic of reactivity as defined in 40 C.F.R. §261.23 (revised as of July 1, 2001), which is adopted by reference in these rules and is available for inspection at the DEQ, 525 West allegan Street, lansing, michigan. Copies of the regulation may be purchased, at a cost as of the time of adoption of these rules of $45, from the superintendent of documents, government printing office, washington, dc 20401 (stock number 869-044-00155-1), or from the dEQ, RRD, 525 West Allegan Street, Lansing, Michigan 48933, at cost.

(S) Criterion defaults to the hazardous substance-specific water solubility limit.

(T) Refer to the federal Toxic Substances Control Act (TSCA), 40 C.F.R. §761, subpart d and 40 C.F.R. §761, Subpart G, to determine the applicability of TSCA cleanup standards. Subpart d and subpart g of 40 C.F.R. §761 (July 1, 2001) are adopted by reference in these rules and are available for inspection at the DEQ, 525 West Allegan Street, Lansing, Michigan. Copies of the regulations may be purchased, at a cost as of the time of adoption of these rules of $55, from the superintendent of documents, Government Printing Office, Washington, dc 20401, or from the dEQ, RRD, 525 West Allegan Street, Lansing, Michigan 48933, at cost. Alternatives to compliance with the tsca standards listed below are possible under 40 C.F.R. §761 Subpart D. New releases may be subject to the standards identified in 40 C.F.R. §761, Subpart G. Use Part 201 soil direct contact cleanup criteria in the following table if TSCA standards are not applicable.

(U) Hazardous substance may exhibit the characteristic of corrosivity as defined in 40 C.F.R. §261.22 (revised as of July 1, 2001), which is adopted by reference in these rules and is available for inspection at the DEQ, 525 West allegan Street, Lansing, Michigan. Copies of the regulation may be purchased, at a cost as of the time of adoption of these rules of $45, from the Superintendent of Documents, Government Printing Office, Washington, dc 20401 (stock number 869-044-00155-1), or from the dEQ, RRD, 525 West Allegan Street, Lansing, Michigan 48933, at cost.

(V) Criterion is the aesthetic drinking water value as required by Section 20120(a)(5) of the NREPA. concentrations up to 200 ug/L may be acceptable, and still allow for drinking water use, as part of a site-specific cleanup under Section 20120a(2) of the NREPA.

(W) Concentrations of trihalomethanes in groundwater shall be added together to determine compliance with the Michigan drinking water standard of 80 ug/L. Concentrations of trihalomethanes in soil shall be added together to determine compliance with the drinking water protection criterion of 1,600 ug/kg.

(X) The GSI criterion shown in the generic cleanup criteria tables is not protective for surface water that is used as a drinking water source. For a groundwater discharge to the Great Lakes and their connecting waters or discharge in close proximity to a water supply intake in inland surface waters, the generic GSI criterion shall be the surface water human drinking water value (HDV) listed in the table in this footnote, except for those HDV indicated with an asterisk. For HDV with an asterisk, the generic GSI criterion shall be the lowest of the HDV, the WV, and the calculated FCV. see formulas in footnote (G). Soil protection criteria based on the HDV shall be as listed in the table in this footnote, except for those values with an asterisk. Soil GSI protection criteria based on the HDV shall be as listed in the table in this footnote, except for those values with an asterisk. Soil GSI protection criteria for compounds with an asterisk shall be the greater of 20 times the GSI criterion or the GSI soil-water partition values using the GSI criteria developed with the procedure described in this footnote.

(Y) Source size modifiers shown in the following table shall be used to determine soil inhalation criteria for ambient air when the source size is not one-half acre.

(Z) Mercury is typically measured as total mercury. The generic cleanup criteria, however, are based on data for different species of mercury. Specifically, data for elemental mercury, chemical abstract service (CAS) number 7439976, serve as the basis for the soil volatilization to indoor air criteria, groundwater volatilization to indoor air, and soil inhalation criteria. Data for methyl mercury, CAS number 22967926, serve as the basis for the GSI criterion; and data for mercuric chloride, CAS number 7487947, serve as the basis for the drinking water, groundwater contact, soil direct contact, and the groundwater protection criteria. Comparison to criteria shall be based on species-specific analytical data only if sufficient facility characterization has been conducted to rule out the presence of other species of mercury.

(AA) Comparison to these criteria may take into account an evaluation of whether the hazardous substances are adsorbed to particulates rather than dissolved in water and whether filtered groundwater samples were used to evaluate groundwater.

(BB) The state drinking water standard for asbestos is in units of fibers per milliliter of water (f/mL) longer than 10 millimicrons. Soil concentrations of asbestos are determined by polarized light microscopy.

(CC) Groundwater: The generic GSI criteria are based on the toxicity of unionized ammonia (NH3); the criteria are 29 ug/L and 53 ug/L for cold water and warm water surface water, respectively. As a result, the GSI criterion shall be compared to the percent of the total ammonia concentration in the groundwater that will become NH3 in the surface water. This percent NH3 is a function of the pH and temperature of the receiving surface water and can be estimated using the following table, taken from Emerson, et al., (Journal of the Fisheries Research Board of Canada, Volume 32(12):2382, 1975).

(DD) Hazardous substance causes developmental effects. Residential and commercial I direct contact criteria are protective of both prenatal and postnatal exposure. Industrial and commercial II, III and IV direct contact criteria are protective for a pregnant adult receptor.

(EE) The following are applicable generic GSI criteria as required by
Section 20120a(15) of the NREPA.

(FF) The chloride GSI criterion shall be 125 mg/l when the discharge is to surface waters of the state designated as public water supply sources or 50 mg/l when the discharge is to the Great Lakes or connecting waters. Chloride GSI criteria shall not apply for surface waters of the state that are not designated as a public water supply source, however, the total dissolved solids criterion is applicable.

(GG) Risk-based criteria are not available for methane due to insufficient toxicity data. An acceptable soil gas concentration (presented for both residential and commercial/industrial land uses) was derived utilizing 25 percent of the lower explosive level for methane. This equates to 1.25 percent or 8.4E+6 ug/m3.

ID Insufficient data to develop criterion.

NA A criterion or value is not available or, in the case of background and CAS numbers, not applicable.

NLL Hazardous substance is not likely to leach under most soil conditions.

NLV Hazardous substance is not likely to volatilize under most conditions.

ug/Kg Micrograms per kilogram

ug/L Micorgrams per liter

NS Not sampled

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Appendix A

Soil Boring Logs

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BORING LOG

West Village Manor
1400-1434 Van Dyke Avenue
Detroit, Michigan
6101D-2-20

SB-1

Drawn By: D. Hutsell
Date: 05.12.09

DRILLING COMPANY:	AKT Peerless	WEATHER:	65 F Cloudy
TECHNICIAN:	Pat Hall	BORING DEPTH:	12 feet
DATE DRILLED:	05.06.09	DEPTH TO GW:	NA
DRILLING METHOD:	Geoprobe	SCREEN INTERVAL:	NA
FIELD GEOLOGIST:	D. Hutsell	SCREEN MATERIAL:	NA

DEPTH FEET	SAMPLE INTERVAL	% RECOVERY	PID VALUE	USCS SOIL CLASS	COLOR	GEOLOGIC DESCRIPTION	MOISTURE	TEMPORARY WELL DIAGRAM
				FL		**GRASS/TOPSOIL**		
			0	FL	Light Brown	**FILL:** sand, trace gravel and silt	M	
2			6.5					
4			1.3	CL	Brown/Gray	**CLAY:** trace silt and gravel, medium stiff with sand from 4-5' bgs	M	
6			0					
8			0					
10			0					
12						End of Boring at 12 feet bgs		
14								
16								
18								
20								

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BORING LOG

West Village Manor
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Detroit, Michigan
6101D-2-20

SB-2

Drawn By: D. Hutsell
Date: 05.12.09

DRILLING COMPANY:	AKT Peerless	WEATHER:	65 F Cloudy
TECHNICIAN:	Pat Hall	BORING DEPTH:	12 feet
DATE DRILLED:	05.06.09	DEPTH TO GW:	NA
DRILLING METHOD:	Geoprobe	SCREEN INTERVAL:	NA
FIELD GEOLOGIST:	D. Hutsell	SCREEN MATERIAL:	NA

DEPTH FEET	SAMPLE INTERVAL	% RECOVERY	PID VALUE	USCS SOIL CLASS	COLOR	GEOLOGIC DESCRIPTION	MOISTURE	TEMPORARY WELL DIAGRAM
				FL		**GRASS/TOPSOIL**		
			0	FL	Dark Brown	**FILL:** sand, with clay, trace silt	M	
2			0					
4			0	CL	Brown/Gray	**CLAY:** with sand, trace silt, medium soft	M	
6			0					
8			0					
10			0	CL	Gray	**CLAY:** trace gravel, medium stiff to stiff	M	
12						End of Boring at 12 feet bgs		
14								
16								
18								
20								

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BORING LOG

West Village Manor
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Detroit, Michigan
6101D-2-20

SB-3

Drawn By: D. Hutsell
Date: 05.12.09

DRILLING COMPANY:	AKT Peerless	WEATHER:	65 F Cloudy
TECHNICIAN:	Pat Hall	BORING DEPTH:	8 feet
DATE DRILLED:	05.06.09	DEPTH TO GW:	NA
DRILLING METHOD:	Geoprobe	SCREEN INTERVAL:	NA
FIELD GEOLOGIST:	D. Hutsell	SCREEN MATERIAL:	NA

DEPTH FEET	SAMPLE INTERVAL	% RECOVERY	PID VALUE	USCS SOIL CLASS	COLOR	GEOLOGIC DESCRIPTION	MOISTURE	TEMPORARY WELL DIAGRAM
				FL		**GRASS/TOPSOIL**		
			0	FL	Brown/Gray	**FILL:** clay, with sand, trace silt and gravel, concrete and brick debris, medium stiff	M	
2			0					
4			0	CL	Brown/Gray	**CLAY:** trace silt and gravel, medium stiff	M	
6			0					
8						End of Boring at 8 feet bgs		
10								
12								
14								
16								
18								
20								

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SB-4

Drawn By: D. Hutsell
Date: 05.12.09

DRILLING COMPANY:	AKT Peerless	WEATHER:	65 F Cloudy
TECHNICIAN:	Pat Hall	BORING DEPTH:	8 feet
DATE DRILLED:	05.06.09	DEPTH TO GW:	NA
DRILLING METHOD:	Geoprobe	SCREEN INTERVAL:	NA
FIELD GEOLOGIST:	D. Hutsell	SCREEN MATERIAL:	NA

DEPTH FEET	SAMPLE INTERVAL	% RECOVERY	PID VALUE	USCS SOIL CLASS	COLOR	GEOLOGIC DESCRIPTION	MOISTURE	TEMPORARY WELL DIAGRAM
				FL		GRASS/TOPSOIL		
			0	FL	Brown/Gray	**FILL:** clay, with sand, trace silt and gravel, concrete and brick debris, medium stiff	M	
2			0					
4			0					
6			0	CL	Brown/Gray	**CLAY:** trace silt and gravel, medium stiff	M	
8						End of Boring at 8 feet bgs		
10								
12								
14								
16								
18								
20								

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SB-5

Drawn By: D. Hutsell
Date: 05.12.09

DRILLING COMPANY:	AKT Peerless	WEATHER:	65 F Cloudy
TECHNICIAN:	Pat Hall	BORING DEPTH:	12 feet
DATE DRILLED:	05.06.09	DEPTH TO GW:	NA
DRILLING METHOD:	Geoprobe	SCREEN INTERVAL:	NA
FIELD GEOLOGIST:	D. Hutsell	SCREEN MATERIAL:	NA

DEPTH FEET	SAMPLE INTERVAL	% RECOVERY	PID VALUE	USCS SOIL CLASS	COLOR	GEOLOGIC DESCRIPTION	MOISTURE	TEMPORARY WELL DIAGRAM
				FL		**GRASS/TOPSOIL**		
			0	FL	Brown/Gray	**FILL:** clay, with sand, trace silt and gravel, concrete and brick debris, medium stiff	M	
2			0					
4			0					
			0	CL	Brown/Gray	**CLAY:** trace silt and gravel, medium stiff	M	
6			0					
8			0					
10			0					
12						End of Boring at 12 feet bgs		
14								
16								
18								
20								

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SB-6

Drawn By: D. Hutsell
Date: 05.12.09

DRILLING COMPANY:	AKT Peerless	WEATHER:	65 F Cloudy
TECHNICIAN:	Pat Hall	BORING DEPTH:	8 feet
DATE DRILLED:	05.06.09	DEPTH TO GW:	NA
DRILLING METHOD:	Geoprobe	SCREEN INTERVAL:	NA
FIELD GEOLOGIST:	D. Hutsell	SCREEN MATERIAL:	NA

DEPTH FEET	SAMPLE INTERVAL	% RECOVERY	PID VALUE	USCS SOIL CLASS	COLOR	GEOLOGIC DESCRIPTION	MOISTURE	TEMPORARY WELL DIAGRAM
			0	FL	Light Brown	**FILL:** sand, with gravel	M	
2			0	FL	Light Brown	**FILL:** sand, with clay, trace gravel and silt	M	
4			0	CL	Brown/Gray	**CLAY:** trace silt and gravel, medium stiff	D	
6			0					
8						End of Boring at 8 feet bgs		
10								
12								
14								
16								
18								
20								

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SB-7

Drawn By: D. Hutsell
Date: 05.12.09

DRILLING COMPANY:	AKT Peerless	WEATHER:	65 F Cloudy
TECHNICIAN:	Pat Hall	BORING DEPTH:	16 feet
DATE DRILLED:	05.06.09	DEPTH TO GW:	NA
DRILLING METHOD:	Geoprobe	SCREEN INTERVAL:	NA
FIELD GEOLOGIST:	D. Hutsell	SCREEN MATERIAL:	NA

DEPTH FEET	SAMPLE INTERVAL	% RECOVERY	PID VALUE	USCS SOIL CLASS	COLOR	GEOLOGIC DESCRIPTION	MOISTURE	TEMPORARY WELL DIAGRAM
				FL		**ASPHALT**		
			0	FL	Black	**FILL:** clay, with sand and silt, trace gravel, medium soft	M	
2			0					
4				CL	Brown/Gray	**CLAY:** trace silt and gravel, medium stiff to stiff	M	
			0					
6			0					
8			0					
10			0					
12			0					
14			0					
16						End of Boring at 16 feet bgs		
18								
20								

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SB-8

Drawn By: D. Hutsell
Date: 05.12.09

DRILLING COMPANY:	AKT Peerless	WEATHER:	65 F Cloudy
TECHNICIAN:	Pat Hall	BORING DEPTH:	12 feet
DATE DRILLED:	05.06.09	DEPTH TO GW:	NA
DRILLING METHOD:	Geoprobe	SCREEN INTERVAL:	NA
FIELD GEOLOGIST:	D. Hutsell	SCREEN MATERIAL:	NA

DEPTH FEET	SAMPLE INTERVAL	% RECOVERY	PID VALUE	USCS SOIL CLASS	COLOR	GEOLOGIC DESCRIPTION	MOISTURE	TEMPORARY WELL DIAGRAM
				FL		**ASPHALT**		
			0	FL	Brown/Gray	**FILL:** clay, trace sand, silt, and gravel, concrete debris, medium stiff	M	
2			0					
4			0	FL	Brown/Gray	**CLAY:** trace silt and gravel, medium soft, construction debris at 9 feet bgs	M	
6			0					
8			0					
10			0	FL	Brown/Gray	**CLAY:** trace silt and gravel, medium stiff to stiff	M	
12						End of Boring at 12 feet bgs		
14								
16								
18								
20								

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SB-9

Drawn By: D. Hutsell
Date: 05.12.09

DRILLING COMPANY:	AKT Peerless	WEATHER:	65 F Cloudy
TECHNICIAN:	Pat Hall	BORING DEPTH:	3 feet
DATE DRILLED:	05.06.09	DEPTH TO GW:	NA
DRILLING METHOD:	Hand Auger	SCREEN INTERVAL:	NA
FIELD GEOLOGIST:	D. Hutsell	SCREEN MATERIAL:	NA

DEPTH FEET	SAMPLE INTERVAL	% RECOVERY	PID VALUE	USCS SOIL CLASS	COLOR	GEOLOGIC DESCRIPTION	MOISTURE	TEMPORARY WELL DIAGRAM
				FL		**CONCRETE/GRAVEL**		
			3	FL	Brown	**FILL:** clay, with black medium gravel and sand, trace gravel and silt, brick debris, medium soft	M	
2			0	FL	Brown	**FILL:** clay, trace gravel and silt, brick debris, medium soft	M	
						End of Boring at 3 feet bgs		
4								
6								
8								
10								
12								
14								
16								
18								
20								

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SB-10

Drawn By: D. Hutsell
Date: 05.12.09

DRILLING COMPANY:	AKT Peerless	WEATHER:	65 F Cloudy
TECHNICIAN:	Pat Hall	BORING DEPTH:	3 feet
DATE DRILLED:	05.06.09	DEPTH TO GW:	NA
DRILLING METHOD:	Hand Auger	SCREEN INTERVAL:	NA
FIELD GEOLOGIST:	D. Hutsell	SCREEN MATERIAL:	NA

DEPTH FEET	SAMPLE INTERVAL	% RECOVERY	PID VALUE	USCS SOIL CLASS	COLOR	GEOLOGIC DESCRIPTION	MOISTURE	TEMPORARY WELL DIAGRAM
			0	FL		**CONCRETE/GRAVEL**		
			5.6	FL	Brown	**FILL:** clay, trace sand, silt, and gravel	D	
2			0					
						End of Boring at 3 feet bgs		
4								
6								
8								
10								
12								
14								
16								
18								
20								

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SB-11

Drawn By: D. Hutsell
Date: 05.12.09

DRILLING COMPANY:	AKT Peerless	WEATHER:	65 F Cloudy
TECHNICIAN:	Pat Hall	BORING DEPTH:	5 feet
DATE DRILLED:	05.06.09	DEPTH TO GW:	NA
DRILLING METHOD:	Hand Auger	SCREEN INTERVAL:	NA
FIELD GEOLOGIST:	D. Hutsell	SCREEN MATERIAL:	NA

DEPTH FEET	SAMPLE INTERVAL	% RECOVERY	PID VALUE	USCS SOIL CLASS	COLOR	GEOLOGIC DESCRIPTION	MOISTURE	TEMPORARY WELL DIAGRAM
			0	FL		**CONCRETE/GRAVEL**		
			1.7	FL	Brown	**FILL:** clay, trace sand, silt, and gravel, potential staining and odor, medium soft	M	
2			6.2					
			3.7	FL	Brown	**FILL:** clay, trace sand, silt, and gravel	M	
4			0					
						End of Boring at 5 feet bgs		
6								
8								
10								
12								
14								
16								
18								
20								

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SB-12

Drawn By: D. Hutsell
Date: 05.12.09

DRILLING COMPANY:	AKT Peerless	WEATHER:	65 F Cloudy
TECHNICIAN:	Pat Hall	BORING DEPTH:	3 feet
DATE DRILLED:	05.06.09	DEPTH TO GW:	NA
DRILLING METHOD:	Hand Auger	SCREEN INTERVAL:	NA
FIELD GEOLOGIST:	D. Hutsell	SCREEN MATERIAL:	NA

DEPTH FEET	SAMPLE INTERVAL	% RECOVERY	PID VALUE	USCS SOIL CLASS	COLOR	GEOLOGIC DESCRIPTION	MOISTURE	TEMPORARY WELL DIAGRAM
			0	FL		**CONCRETE/GRAVEL**		
			1.9	FL	Brown	**FILL:** clay, trace gravel and silt, medium soft	M	
2			0					
						End of Boring at 3 feet bgs due to refusal		
4								
6								
8								
10								
12								
14								
16								
18								
20								

AKTPEERLESS
environmental & energy services

Appendix B

Geophysical Survey Report

Geophysical Imaging, Inc.
3765 Timber Valley Drive
Maumee, OH 43537
Phone/fax: (419) 868-2902

May 6, 2009

GII Project No. 09-410

Ms. Deanna Hutsell, P.E.
Environmental Consultant
AKT Peerless Environmental Services
607 Shelby Street, Suite 900
Detroit, Michigan 48226

Geophysical Survey Report
1434 Van Dyke Street
Detroit, Michigan

Dear Ms. Hutsell:

This letter report summarizes the results and interpretations of the geophysical survey performed for AKT Peerless Environmental Services (AKT) by Geophysical Imaging, Inc. (GII) at the above-referenced site. The purpose of the survey was to detect if abandoned underground storage tanks (USTs) are present at the site.

Project Background

According to AKT, a UST was historically present at the site. The status of UST is unknown.

Field Activities and Data Processing

On May 4, 2009, a combined electromagnetic induction (EM) and ground-penetrating radar (GPR) survey was conducted by GII at the site in the accessible area designated by AKT. Figure 1 depicts the approximate area surveyed and the general site features. The EM survey was performed in "continuous survey" mode along 2.5-foot spaced transects. GII used a GSSI EMP-400 multi-frequency EM profiler with integrated GPS. Two EM exploration frequencies (9,000 Hz and 12,000 Hz) were selected for the site. Prior to the EM survey, field, operator, and zero in-phase calibration was performed at the site. In "continuous survey" mode, data are acquired at a fixed time interval while the operator walks along a survey line at a steady pace. Both in-phase (metal sensitive) and quadrature (terrain conductivity) measurements were acquired during the EM survey. These measurements were automatically stored in a wireless data logger, and later downloaded to a computer for subsequent processing. Two software packages were

utilized to define suspect areas, MagMap (supplied by E.G. & G. Geometrics) and SURFER (developed by Golden Software). Selected EM measurement contour maps are presented on Figures 2 and 3.

The GPR survey was performed along 5-foot spaced profiles. GII used a GSSI SIR-3000 GPR system with a 400-megahertz (MHz) dipole antenna mounted on a wheeled cart to scan the survey area. Several test scans were completed to observe the overall GPR responses to setup survey parameters prior to the GPR survey. A survey wheel was used to acquire distance-based data at the density of 18 scans per foot. Anomalous reflective objects/structures were noted and marked on the ground surface during the data acquisition. Additional linescans were performed to better understand anomalous targets. The GPR data were automatically stored in a data logger, and later downloaded to a computer for subsequent processing. The data processing consisted of Time-Zero Adjustment (time zero of the vertical scale aligned with the surface reflection) and Background Removal (horizontal banding) to the GPR scans. Targeted GPR linescans are presented on Figure 4.

Results and Interpretations

The EM survey identified a strong EM in-phase ('metal') anomaly located at the northeastern portion of the site. Two targeted GPR linescans (Linescans A and B) were performed in this anomaly area. A hyperbolic reflection response was detected on GPR scan. The shape, strength and ring-down of these reflections are similar to the GPR response that is often observed over cylindrical-shaped steel objects such as USTs, large diameter metal pipes or cylindrical-shaped metal containers. Based on the EM and GPR data, this anomaly area was interpreted to represent a possible UST. Other strong EM 'metal' anomalies identified during the survey were most likely associated with the known aboveground interference, such as building and fence.

Survey Methods and Limitations

The EM operates by driving a transmitter coil with an AC current at audio frequencies to generate a sinusoidal time-varying magnetic field. A receiver coil is positioned on or near the surface of the earth some distance away from the transmitter coil. The transmitted time-varying magnetic field generated by the transmitter coil induces secondary currents to flow in the subsurface, which in turn generate a secondary (induced) magnetic field. Both the induced secondary field, along with the primary field, is detected and recorded at the receiver coil.

The EM instruments contain two sets of coils that are located within opposite sides of the tool. One set of coil is used to transmit a primary magnetic field, which generates electrical current in the ground. The created current then generates a secondary magnetic field, which is sensed by the coils in the receiver end of the instrument. Data is then collected on a control unit indicating the conductivity of the earth. The

magnitude of the secondary field is broken into two orthogonal components. The two components of the secondary magnetic field are in-phase (real component) and the quadrature or out-of-phase (imaginary component). For instruments operating within the Low Induction Number (LIN) approximation, the magnitude of the quadrature component of the secondary field is linearly proportional to the apparent conductivity. The in-phase measurement is most sensitive to buried metallic objects and can be used locate buried steel reinforced structures, UST, large utility pipes, and other metallic targets. In the absence of a highly conductive material (e.g. metallic targets) in the subsurface, the magnitude of the in-phase component is dependant on the magnetic susceptibility of the subsurface. The EMP-400 allows multiple frequency measurements at each survey station. The depth of exploration depends on the operating frequencies, target size and shape, and host-target conductivity. Site conditions that can limit, even preclude EM data interpretation include: urban or developed areas, thunderstorms and nearby metallic objects at or above the ground surface such as parked vehicles near the survey stations, rebar concrete, metal siding, overhead power lines, metal fence/guard rail, and manhole covers, etc. Areas of a site that may be difficult or impossible to survey include: steep slopes, standing water areas, overgrown vegetation areas, and obstructed areas.

GPR operates by transmitting pulses of ultra high frequency radio waves (microwave electromagnetic energy) down into the ground through a transducer or antenna. When the transmitted signal enters the ground, it contacts objects or subsurface strata with different electrical conductivities and dielectric constants. Part of the ground penetrating radar waves reflect off of the object or interface; while the rest of the waves pass through to the next interface. The reflected signals return to the antenna, pass through the antenna, and are received by the digital control unit. The control unit registers the reflections against two-way travel time in nanoseconds (ns) and then amplifies the signals. The output signal voltage peaks are plotted on the GPR profile as different color bands by the digital control unit.

GPR waves with 400 MHz frequency typically can reach depths up to 12 feet below ground surface (bgs) in low conductivity materials such as dry sand or granite. Clays, shale, and other high conductivity materials or materials having high moisture, may attenuate or absorb GPR signals, greatly decreasing the depth of penetration to 3 feet bgs or less. Other site conditions that can limit even preclude GPR data acquisition and interpretation include: surface obstructions, uneven ground surface, standing water, cellular tower, rebar concrete, small or shallow buried objects, and over-grown vegetation, etc.

Conclusions

This geophysical survey has identified one anomaly, which may represent a buried UST. The geophysical results presented herein are interpreted. No warranty, certification, or statement of fact, either expressed or implied, regarding actual subsurface conditions within the surveyed area(s) is contained herein. If uncertainties exist regarding the presence of geophysical anomalies, test pit excavations should be conducted to explore the actual subsurface conditions. No interpretation of subsurface conditions can be made for areas not surveyed or paved with rebar concrete. Please note that the survey data reflect site conditions on the day of the field survey.

GII greatly appreciates this opportunity to provide AKT with our geophysical survey service. If you have any questions, please contact me at (419) 868-2902.

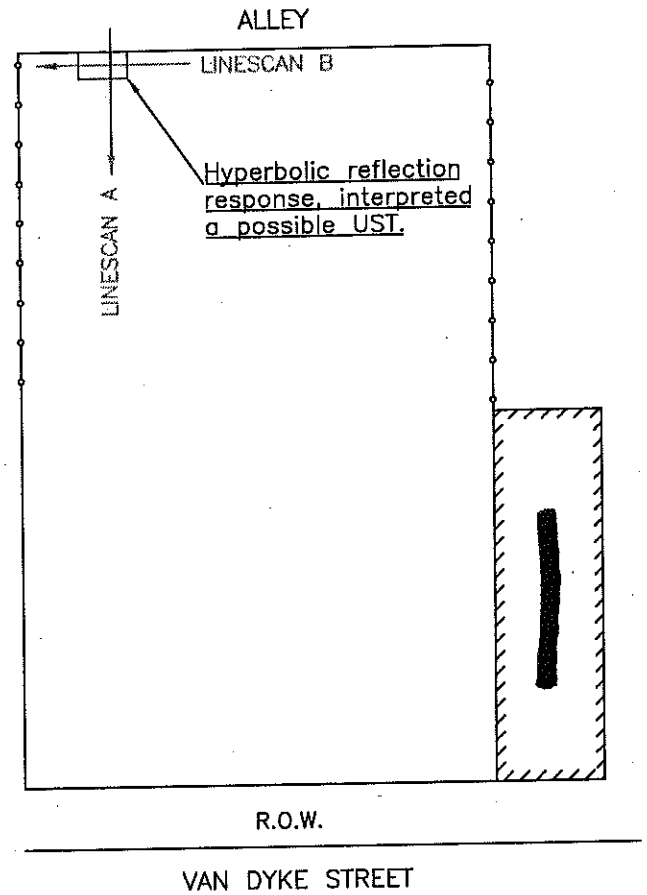
Sincerely,

Geophysical Imaging, Inc.

Ming He
President/Geophysicist

Attachments
Figures 1 – 4

F:\GII\PROJECTS\09-410 AKT DETROIT MI\09-410 AKT DETROIT MI REPORT.DOC



LEGEND:

—o— FENCE

APPROXIMATE SCALE – FEET

0 40 80

FIGURE 1
SURVEY DIAGRAM WITH
GEOPHYSICAL INTERPRETATIONS
1434 VAN DYKE STREET
DETROIT, MICHIGAN

Client
AKT PEERLESS ENVIRONMENTAL SERVICES
DETROIT, MICHIGAN

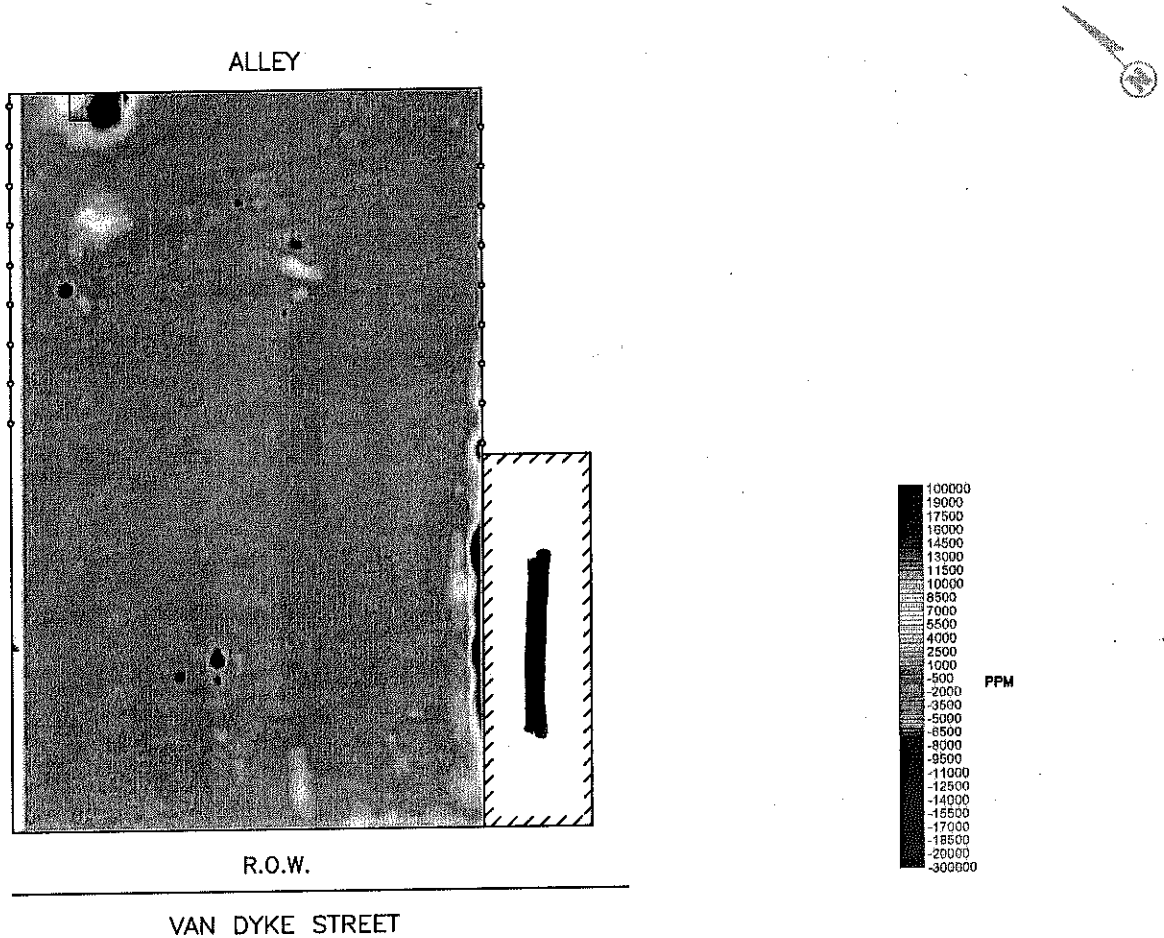
GEOPHYSICAL IMAGING, INC.
3765 TIMBER VALLEY DR
MAUMEE, OH 43537

DRAWN MH

CHECKED

DRAWING NAME
09-410Fig1

Geophysical Imaging



LEGEND:

—o— FENCE

APPROXIMATE SCALE – FEET

0 40 80

FIGURE 2
EM IN-PHASE (METAL SENSITIVE)
CONTOUR MAP – 9,000 Hz
1434 VAN DYKE STREET
DETROIT, MICHIGAN

Client
AKT PEERLESS ENVIRONMENTAL SERVICES
DETROIT, MICHIGAN

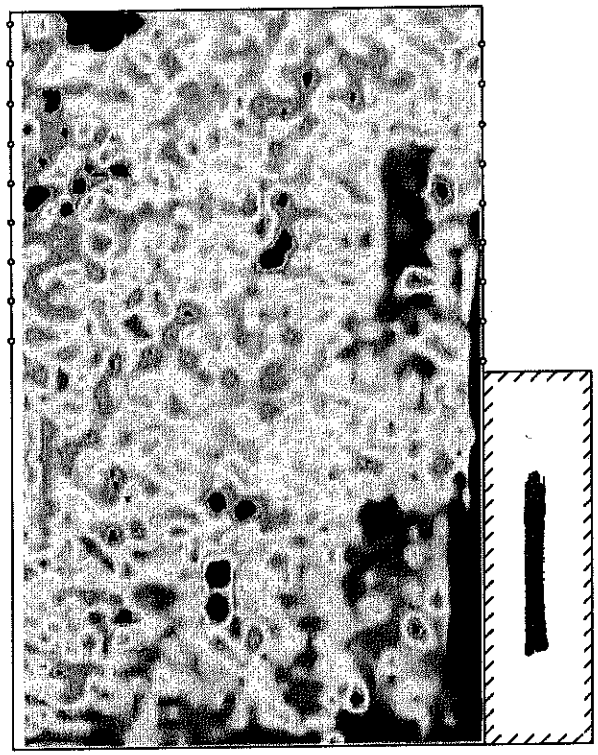
GEOPHYSICAL IMAGING, INC.
3765 TIMBER VALLEY DR
MAUMEE, OH 43537

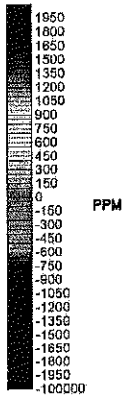
DRAWN MH

CHECKED

DRAWING NAME
09-410Fig2

Geophysical Imaging





LEGEND:

—o— FENCE

APPROXIMATE SCALE – FEET

0 40 80

FIGURE 3
EM QUADRATURE (TERRAIN CONDUCTIVITY) CONTOUR MAP – 9,000 Hz
1434 VAN DYKE STREET
DETROIT, MICHIGAN

Client
AKT PEERLESS ENVIRONMENTAL SERVICES
DETROIT, MICHIGAN

GEOPHYSICAL IMAGING, INC.
3765 TIMBER VALLEY DR
MAUMEE, OH 43537

DRAWN MH

CHECKED

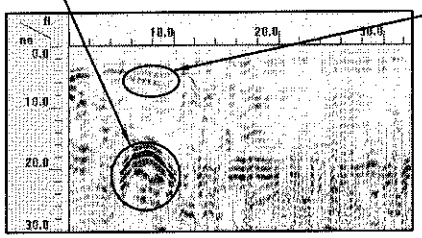
DRAWING NAME
09-410Fig3

Geophysical Imaging

LINESCAN A: hyperbolic reflection response, interpreted a possible UST.

Rebar Concrete

LINESCAN B: along axis of the interpreted a possible UST.



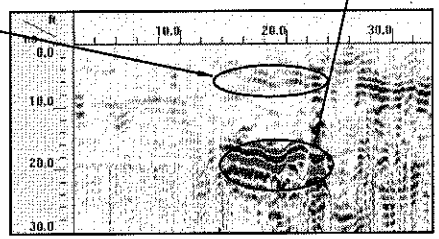


FIGURE 4
TARGETED GPR LINESCANS
LINESCANS A AND B
1434 VAN DYKE STREET
DETROIT, MICHIGAN

Client
AKT PEERLESS ENVIRONMENTAL SERVICES
DETROIT, MICHIGAN

GEOPHYSICAL IMAGING, INC.
3765 TIMBER VALLEY DR
MAUMEE, OH 43537

DRAWN MH

CHECKED

DRAWING NAME
09-410Fig4

Geophysical Imaging

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Appendix C

Laboratory Analytical Report

Fibertec
environmental
services

Friday, May 22, 2009

Fibertec Project Number: 34020 - Supplemental Report
Project Identification: Van Dyke/6101D-2-20
Submittal Date: 5/7/2009

Ms. Deanna Hutsell
AKT Peerless Environ. Svcs, Inc. - Detroit
607 Shelby Street
Suite 900
Detroit, MI 48226

Dear Ms. Hutsell,

Thank you for selecting Fibertec Environmental Services as your analytical laboratory. The samples you submitted have been analyzed by NELAC compliant methodologies and the results compiled in the attached report. Any exceptions to compliance are noted in the report. These results apply only to those samples submitted.

If you have any questions regarding these results or if we may be of further assistance to you, please contact me at (517) 699-0345. Please note samples will be disposed of 30 days after reporting date.

Sincerely,

Daryl P. Strandbergh
Laboratory Director

DPS/kc

Enclosures

1914 Holloway Drive | Holt, MI 48842 | T: (517) 699-0345 | F: (517) 699-0388
11766 E. Grand River | Brighton, MI 48116 | T: (810) 220-3300 | F: (810) 220-3311
8660 S. Mackinaw Trail | Cadillac, MI 49601 | T: (231) 775-8368 | F: (231) 775-8584

lab@fibertec.us

Fibertec environmental services

Analytical Laboratory Report

Client Identification:	**AKT Peerless Environ. Svcs, Inc. - Detroit**	Sample Matrix:	**Soil/Solid**
Fibertec Project Number:	**34020**	Sample Number:	**34020-001**

Client Sample Information

Project Identification:	**Van Dyke**	Client Sample Description:	**SB-1 (2-4)**
Project Number:	**6101D-2-20**	Client Sample Number:	**1**
Sample Date:	**5/6/2009**	Chain of Custody Number:	**90254**

Comments: **All Results Reported On Dry Weight Basis. Percent Moisture = 22.6%.**

Definitions/ Qualifiers:
A: Spike recovery or precision unusable due to dilution.
B: The analyte was detected in the associated method blank.
E: The analyte was detected at a concentration greater than the calibration range, therefore the result is estimated.
J: The concentration is an estimated value.
U: The analyte was not detected at or above the reporting limit.
X: Matrix Interference has resulted in a raised reporting limit or distorted result.
W: Results reported on a wet-weight basis.
*: Value reported is outside QA limits

Analyte	Result	Units	Report Limit	Dilution Factor	Prep Batch	Prep Date/Time	Analysis Date/Time	Analyst
UST - Used Motor Oils - Volatiles, 5035 (EPA 5035/EPA 8260B) (Estimated results for bromomethane and chloroethane, compounds failed low on CCV)								
Benzene	U	µg/kg	65	1	VA09E13B	5/6/2009	5/13/2009	JAS
Bromodichloromethane	U	µg/kg	130	1	VA09E13B	5/6/2009	5/13/2009	JAS
Bromoform	U	µg/kg	130	1	VA09E13B	5/6/2009	5/13/2009	JAS
Bromomethane	U	µg/kg	320	1	VA09E13B	5/6/2009	5/13/2009	JAS
Carbon Tetrachloride	U	µg/kg	65	1	VA09E13B	5/6/2009	5/13/2009	JAS
Chlorobenzene	U	µg/kg	65	1	VA09E13B	5/6/2009	5/13/2009	JAS
Chloroethane	U	µg/kg	320	1	VA09E13B	5/6/2009	5/13/2009	JAS
Chloroform	U	µg/kg	65	1	VA09E13B	5/6/2009	5/13/2009	JAS
Chloromethane	U	µg/kg	320	1	VA09E13B	5/6/2009	5/13/2009	JAS
Dibromochloromethane	U	µg/kg	130	1	VA09E13B	5/6/2009	5/13/2009	JAS
1,2-Dichlorobenzene	U	µg/kg	130	1	VA09E13B	5/6/2009	5/13/2009	JAS
1,3-Dichlorobenzene	U	µg/kg	130	1	VA09E13B	5/6/2009	5/13/2009	JAS
1,4-Dichlorobenzene	U	µg/kg	130	1	VA09E13B	5/6/2009	5/13/2009	JAS
1,1-Dichloroethane	U	µg/kg	65	1	VA09E13B	5/6/2009	5/13/2009	JAS
1,2-Dichloroethane	U	µg/kg	65	1	VA09E13B	5/6/2009	5/13/2009	JAS
1,1-Dichloroethene	U	µg/kg	39	1	VA09E13B	5/6/2009	5/13/2009	JAS
cis-1,2-Dichloroethene	U	µg/kg	65	1	VA09E13B	5/6/2009	5/13/2009	JAS
trans-1,2-Dichloroethene	U	µg/kg	65	1	VA09E13B	5/6/2009	5/13/2009	JAS
1,2-Dichloropropane	U	µg/kg	65	1	VA09E13B	5/6/2009	5/13/2009	JAS
cis-1,3-Dichloropropene	U	µg/kg	65	1	VA09E13B	5/6/2009	5/13/2009	JAS

Fibertec environmental services

Analytical Laboratory Report

Client Identification:	**AKT Peerless Environ. Svcs, Inc. - Detroit**	Sample Matrix:	**Soil/Solid**
Fibertec Project Number:	**34020**	Sample Number:	**34020-001**

Client Sample Information

Project Identification:	**Van Dyke**	Client Sample Description:	**SB-1 (2-4)**
Project Number:	**6101D-2-20**	Client Sample Number:	**1**
Sample Date:	**5/6/2009**	Chain of Custody Number:	**90254**

Comments: **All Results Reported On Dry Weight Basis. Percent Moisture = 22.6%.**

Definitions/ Qualifiers:
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Analyte	Result	Units	Report Limit	Dilution Factor	Prep Batch	Prep Date/Time	Analysis Date/Time	Analyst
UST - Used Motor Oils - Volatiles, 5035 (EPA 5035/EPA 8260B) (Estimated results for bromomethane and chloroethane, compounds failed low on CCV)								
trans-1,3-Dichloropropene	U	µg/kg	65	1	VA09E13B	5/6/2009	5/13/2009	JAS
Ethylbenzene	U	µg/kg	65	1	VA09E13B	5/6/2009	5/13/2009	JAS
Ethylene Dibromide	U	µg/kg	65	1	VA09E13B	5/6/2009	5/13/2009	JAS
Methylene Chloride	U	µg/kg	320	1	VA09E13B	5/6/2009	5/13/2009	JAS
Naphthalene	U	µg/kg	430	1	VA09E13B	5/6/2009	5/13/2009	JAS
1,1,1,2-Tetrachloroethane	U	µg/kg	130	1	VA09E13B	5/6/2009	5/13/2009	JAS
1,1,2,2-Tetrachloroethane	U	µg/kg	130	1	VA09E13B	5/6/2009	5/13/2009	JAS
Tetrachloroethene	U	µg/kg	65	1	VA09E13B	5/6/2009	5/13/2009	JAS
Toluene	U	µg/kg	65	1	VA09E13B	5/6/2009	5/13/2009	JAS
1,2,4-Trichlorobenzene	U	µg/kg	320	1	VA09E13B	5/6/2009	5/13/2009	JAS
1,1,1-Trichloroethane	U	µg/kg	65	1	VA09E13B	5/6/2009	5/13/2009	JAS
1,1,2-Trichloroethane	U	µg/kg	65	1	VA09E13B	5/6/2009	5/13/2009	JAS
Trichloroethene	U	µg/kg	65	1	VA09E13B	5/6/2009	5/13/2009	JAS
1,2,3-Trimethylbenzene	U	µg/kg	130	1	VA09E13B	5/6/2009	5/13/2009	JAS
1,2,4-Trimethylbenzene	U	µg/kg	130	1	VA09E13B	5/6/2009	5/13/2009	JAS
1,3,5-Trimethylbenzene	U	µg/kg	130	1	VA09E13B	5/6/2009	5/13/2009	JAS
Vinyl Chloride	U	µg/kg	52	1	VA09E13B	5/6/2009	5/13/2009	JAS
Xylenes	U	µg/kg	190	1	VA09E13B	5/6/2009	5/13/2009	JAS

Fibertec environmental services

Analytical Laboratory Report

Client Identification:	**AKT Peerless Environ. Svcs, Inc. - Detroit**	Sample Matrix:	**Soil/Solid**
Fibertec Project Number:	**34020**	Sample Number:	**34020-001A**

Client Sample Information

Project Identification:	**Van Dyke**	Client Sample Description:	**SB-1 (2-4)**
Project Number:	**6101D-2-20**	Client Sample Number:	**1**
Sample Date:	**5/6/2009**	Chain of Custody Number:	**90254**

Comments: **All Results Reported On Dry Weight Basis. Percent Moisture = 22.6%.**

Definitions/ Qualifiers:
A: Spike recovery or precision unusable due to dilution.
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J: The concentration is an estimated value.
U: The analyte was not detected at or above the reporting limit.
X: Matrix Interference has resulted in a raised reporting limit or distorted result.
W: Results reported on a wet-weight basis.
*: Value reported is outside QA limits

Analyte	Result	Units	Report Limit	Dilution Factor	Prep Batch	Prep Date/Time	Analysis Date/Time	Analyst
Dry Weight Determination (ASTM D 2974-87)								
Percent Moisture (Water Content)	**23**	%	0.1	1	MC090511	5/12/2009	5/13/2009	BMG
Lead + Cadmium + Chromium by ICP/MS (EPA 3050B/EPA 6020)								
Cadmium	**73**	µg/kg	50	1	PT09E13E	5/13/2009	5/14/2009	JLH
Chromium	**7600**	µg/kg	500	1	PT09E13E	5/13/2009	5/14/2009	JLH
Lead	**5600**	µg/kg	1000	1	PT09E13E	5/13/2009	5/14/2009	JLH
Polynuclear Aromatic Hydrocarbons (PNAs) (EPA 3550B/EPA 8270C)								
Acenaphthene	**U**	µg/kg	430	1	PS09E13E	5/13/2009	5/13/2009	TMC
Acenaphthylene	**U**	µg/kg	430	1	PS09E13E	5/13/2009	5/13/2009	TMC
Anthracene	**U**	µg/kg	430	1	PS09E13E	5/13/2009	5/13/2009	TMC
Benzo(a)anthracene	**U**	µg/kg	430	1	PS09E13E	5/13/2009	5/13/2009	TMC
Benzo(a)pyrene	**U**	µg/kg	430	1	PS09E13E	5/13/2009	5/13/2009	TMC
Benzo(b)fluoranthene	**U**	µg/kg	430	1	PS09E13E	5/13/2009	5/13/2009	TMC
Benzo(ghi)perylene	**U**	µg/kg	430	1	PS09E13E	5/13/2009	5/13/2009	TMC
Benzo(k)fluoranthene	**U**	µg/kg	430	1	PS09E13E	5/13/2009	5/13/2009	TMC
Chrysene	**U**	µg/kg	430	1	PS09E13E	5/13/2009	5/13/2009	TMC
Dibenzo(a,h)anthracene	**U**	µg/kg	430	1	PS09E13E	5/13/2009	5/13/2009	TMC
Fluoranthene	**U**	µg/kg	430	1	PS09E13E	5/13/2009	5/13/2009	TMC
Fluorene	**U**	µg/kg	430	1	PS09E13E	5/13/2009	5/13/2009	TMC
Indeno(1,2,3-cd)pyrene	**U**	µg/kg	430	1	PS09E13E	5/13/2009	5/13/2009	TMC
2-Methylnaphthalene	**U**	µg/kg	430	1	PS09E13E	5/13/2009	5/13/2009	TMC

Fibertec environmental services

Analytical Laboratory Report

Client Identification:	**AKT Peerless Environ. Svcs, Inc. - Detroit**	Sample Matrix:	**Soil/Solid**
Fibertec Project Number:	**34020**	Sample Number:	**34020-001A**

Client Sample Information

Project Identification:	**Van Dyke**	Client Sample Description:	**SB-1 (2-4)**
Project Number:	**6101D-2-20**	Client Sample Number:	**1**
Sample Date:	**5/6/2009**	Chain of Custody Number:	**90254**

Comments: **All Results Reported On Dry Weight Basis. Percent Moisture = 22.6%.**

Definitions/ Qualifiers:
A: Spike recovery or precision unusable due to dilution.
B: The analyte was detected in the associated method blank.
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W: Results reported on a wet-weight basis.
*: Value reported is outside QA limits

Analyte	Result	Units	Report Limit	Dilution Factor	Prep Batch	Prep Date/Time	Analysis Date/Time	Analyst
Polynuclear Aromatic Hydrocarbons (PNAs) (EPA 3550B/EPA 8270C)								
Phenanthrene	U	µg/kg	430	1	PS09E13E	5/13/2009	5/13/2009	TMC
Pyrene	U	µg/kg	430	1	PS09E13E	5/13/2009	5/13/2009	TMC

Fibertec environmental services

Analytical Laboratory Report

Client Identification:	**AKT Peerless Environ. Svcs, Inc. - Detroit**	Sample Matrix:	**Soil/Solid**
Fibertec Project Number:	**34020**	Sample Number:	**34020-002**

Client Sample Information

Project Identification:	**Van Dyke**	Client Sample Description:	**SB-1 (8-10)**
Project Number:	**6101D-2-20**	Client Sample Number:	**2**
Sample Date:	**5/6/2009**	Chain of Custody Number:	**90254**

Comments: **All Results Reported On Dry Weight Basis. Percent Moisture = 13.3%.**

Definitions/ Qualifiers:
A: Spike recovery or precision unusable due to dilution.
B: The analyte was detected in the associated method blank.
E: The analyte was detected at a concentration greater than the calibration range, therefore the result is estimated.
J: The concentration is an estimated value.
U: The analyte was not detected at or above the reporting limit.
X: Matrix Interference has resulted in a raised reporting limit or distorted result.
W: Results reported on a wet-weight basis.
*: Value reported is outside QA limits

Analyte	Result	Units	Report Limit	Dilution Factor	Prep Batch	Prep Date/Time	Analysis Date/Time	Analyst
UST - Used Motor Oils - Volatiles, 5035 (EPA 5035/EPA 8260B) (Estimated results for bromomethane and chloroethane, compounds failed low on CCV)								
Benzene	U	µg/kg	58	1	VA09E13B	5/6/2009	5/13/2009	JAS
Bromodichloromethane	U	µg/kg	120	1	VA09E13B	5/6/2009	5/13/2009	JAS
Bromoform	U	µg/kg	120	1	VA09E13B	5/6/2009	5/13/2009	JAS
Bromomethane	U	µg/kg	290	1	VA09E13B	5/6/2009	5/13/2009	JAS
Carbon Tetrachloride	U	µg/kg	58	1	VA09E13B	5/6/2009	5/13/2009	JAS
Chlorobenzene	U	µg/kg	58	1	VA09E13B	5/6/2009	5/13/2009	JAS
Chloroethane	U	µg/kg	290	1	VA09E13B	5/6/2009	5/13/2009	JAS
Chloroform	U	µg/kg	58	1	VA09E13B	5/6/2009	5/13/2009	JAS
Chloromethane	U	µg/kg	290	1	VA09E13B	5/6/2009	5/13/2009	JAS
Dibromochloromethane	U	µg/kg	120	1	VA09E13B	5/6/2009	5/13/2009	JAS
1,2-Dichlorobenzene	U	µg/kg	120	1	VA09E13B	5/6/2009	5/13/2009	JAS
1,3-Dichlorobenzene	U	µg/kg	120	1	VA09E13B	5/6/2009	5/13/2009	JAS
1,4-Dichlorobenzene	U	µg/kg	120	1	VA09E13B	5/6/2009	5/13/2009	JAS
1,1-Dichloroethane	U	µg/kg	58	1	VA09E13B	5/6/2009	5/13/2009	JAS
1,2-Dichloroethane	U	µg/kg	58	1	VA09E13B	5/6/2009	5/13/2009	JAS
1,1-Dichloroethene	U	µg/kg	35	1	VA09E13B	5/6/2009	5/13/2009	JAS
cis-1,2-Dichloroethene	U	µg/kg	58	1	VA09E13B	5/6/2009	5/13/2009	JAS
trans-1,2-Dichloroethene	U	µg/kg	58	1	VA09E13B	5/6/2009	5/13/2009	JAS
1,2-Dichloropropane	U	µg/kg	58	1	VA09E13B	5/6/2009	5/13/2009	JAS
cis-1,3-Dichloropropene	U	µg/kg	58	1	VA09E13B	5/6/2009	5/13/2009	JAS

Fibertec environmental services

Analytical Laboratory Report

Client Identification:	**AKT Peerless Environ. Svcs, Inc. - Detroit**	Sample Matrix:	**Soil/Solid**
Fibertec Project Number:	**34020**	Sample Number:	**34020-002**

Client Sample Information

Project Identification:	**Van Dyke**	Client Sample Description:	**SB-1 (8-10)**
Project Number:	**6101D-2-20**	Client Sample Number:	**2**
Sample Date:	**5/6/2009**	Chain of Custody Number:	**90254**

Comments: **All Results Reported On Dry Weight Basis. Percent Moisture = 13.3%.**

Definitions/ Qualifiers:
A: Spike recovery or precision unusable due to dilution.
B: The analyte was detected in the associated method blank.
E: The analyte was detected at a concentration greater than the calibration range, therefore the result is estimated.
J: The concentration is an estimated value.
U: The analyte was not detected at or above the reporting limit.
X: Matrix Interference has resulted in a raised reporting limit or distorted result.
W: Results reported on a wet-weight basis.
*: Value reported is outside QA limits

Analyte	Result	Units	Report Limit	Dilution Factor	Prep Batch	Prep Date/Time	Analysis Date/Time	Analyst
UST - Used Motor Oils - Volatiles, 5035 (EPA 5035/EPA 8260B) (Estimated results for bromomethane and chloroethane, compounds failed low on CCV)								
trans-1,3-Dichloropropene	U	µg/kg	58	1	VA09E13B	5/6/2009	5/13/2009	JAS
Ethylbenzene	U	µg/kg	58	1	VA09E13B	5/6/2009	5/13/2009	JAS
Ethylene Dibromide	U	µg/kg	58	1	VA09E13B	5/6/2009	5/13/2009	JAS
Methylene Chloride	U	µg/kg	290	1	VA09E13B	5/6/2009	5/13/2009	JAS
Naphthalene	U	µg/kg	380	1	VA09E13B	5/6/2009	5/13/2009	JAS
1,1,1,2-Tetrachloroethane	U	µg/kg	120	1	VA09E13B	5/6/2009	5/13/2009	JAS
1,1,2,2-Tetrachloroethane	U	µg/kg	120	1	VA09E13B	5/6/2009	5/13/2009	JAS
Tetrachloroethene	U	µg/kg	58	1	VA09E13B	5/6/2009	5/13/2009	JAS
Toluene	U	µg/kg	58	1	VA09E13B	5/6/2009	5/13/2009	JAS
1,2,4-Trichlorobenzene	U	µg/kg	290	1	VA09E13B	5/6/2009	5/13/2009	JAS
1,1,1-Trichloroethane	U	µg/kg	58	1	VA09E13B	5/6/2009	5/13/2009	JAS
1,1,2-Trichloroethane	U	µg/kg	58	1	VA09E13B	5/6/2009	5/13/2009	JAS
Trichloroethene	U	µg/kg	58	1	VA09E13B	5/6/2009	5/13/2009	JAS
1,2,3-Trimethylbenzene	U	µg/kg	120	1	VA09E13B	5/6/2009	5/13/2009	JAS
1,2,4-Trimethylbenzene	U	µg/kg	120	1	VA09E13B	5/6/2009	5/13/2009	JAS
1,3,5-Trimethylbenzene	U	µg/kg	120	1	VA09E13B	5/6/2009	5/13/2009	JAS
Vinyl Chloride	U	µg/kg	46	1	VA09E13B	5/6/2009	5/13/2009	JAS
Xylenes	U	µg/kg	170	1	VA09E13B	5/6/2009	5/13/2009	JAS

Fibertec environmental services

Analytical Laboratory Report

Client Identification:	**AKT Peerless Environ. Svcs, Inc. - Detroit**	Sample Matrix:	**Soil/Solid**
Fibertec Project Number:	**34020**	Sample Number:	**34020-002A**

Client Sample Information

Project Identification:	**Van Dyke**	Client Sample Description:	**SB-1 (8-10)**
Project Number:	**6101D-2-20**	Client Sample Number:	**2**
Sample Date:	**5/6/2009**	Chain of Custody Number:	**90254**

Comments: **All Results Reported On Dry Weight Basis. Percent Moisture = 13.3%.**

Definitions/ Qualifiers:
A: Spike recovery or precision unusable due to dilution.
B: The analyte was detected in the associated method blank.
E: The analyte was detected at a concentration greater than the calibration range, therefore the result is estimated.
J: The concentration is an estimated value.
U: The analyte was not detected at or above the reporting limit.
X: Matrix Interference has resulted in a raised reporting limit or distorted result.
W: Results reported on a wet-weight basis.
*: Value reported is outside QA limits

Analyte	Result	Units	Report Limit	Dilution Factor	Prep Batch	Prep Date/Time	Analysis Date/Time	Analyst
Dry Weight Determination (ASTM D 2974-87)								
Percent Moisture (Water Content)	**13**	%	0.1	1	MC090511	5/12/2009	5/13/2009	BMG
Lead + Cadmium + Chromium by ICP/MS (EPA 3050B/EPA 6020)								
Cadmium	**190**	µg/kg	50	1	PT09E13E	5/13/2009	5/14/2009	JLH
Chromium	**16000**	µg/kg	500	1	PT09E13E	5/13/2009	5/14/2009	JLH
Lead	**10000**	µg/kg	1000	1	PT09E13E	5/13/2009	5/14/2009	JLH
Polynuclear Aromatic Hydrocarbons (PNAs) (EPA 3550B/EPA 8270C)								
Acenaphthene	**U**	µg/kg	380	1	PS09E13E	5/13/2009	5/14/2009	TMC
Acenaphthylene	**U**	µg/kg	380	1	PS09E13E	5/13/2009	5/14/2009	TMC
Anthracene	**U**	µg/kg	380	1	PS09E13E	5/13/2009	5/14/2009	TMC
Benzo(a)anthracene	**U**	µg/kg	380	1	PS09E13E	5/13/2009	5/14/2009	TMC
Benzo(a)pyrene	**U**	µg/kg	380	1	PS09E13E	5/13/2009	5/14/2009	TMC
Benzo(b)fluoranthene	**U**	µg/kg	380	1	PS09E13E	5/13/2009	5/14/2009	TMC
Benzo(ghi)perylene	**U**	µg/kg	380	1	PS09E13E	5/13/2009	5/14/2009	TMC
Benzo(k)fluoranthene	**U**	µg/kg	380	1	PS09E13E	5/13/2009	5/14/2009	TMC
Chrysene	**U**	µg/kg	380	1	PS09E13E	5/13/2009	5/14/2009	TMC
Dibenzo(a,h)anthracene	**U**	µg/kg	380	1	PS09E13E	5/13/2009	5/14/2009	TMC
Fluoranthene	**U**	µg/kg	380	1	PS09E13E	5/13/2009	5/14/2009	TMC
Fluorene	**U**	µg/kg	380	1	PS09E13E	5/13/2009	5/14/2009	TMC
Indeno(1,2,3-cd)pyrene	**U**	µg/kg	380	1	PS09E13E	5/13/2009	5/14/2009	TMC
2-Methylnaphthalene	**U**	µg/kg	380	1	PS09E13E	5/13/2009	5/14/2009	TMC

Fibertec environmental services

Analytical Laboratory Report

Client Identification:	**AKT Peerless Environ. Svcs, Inc. - Detroit**	Sample Matrix:	**Soil/Solid**
Fibertec Project Number:	**34020**	Sample Number:	**34020-002A**

Client Sample Information

Project Identification:	**Van Dyke**	Client Sample Description:	**SB-1 (8-10)**
Project Number:	**6101D-2-20**	Client Sample Number:	**2**
Sample Date:	**5/6/2009**	Chain of Custody Number:	**90254**

Comments: **All Results Reported On Dry Weight Basis. Percent Moisture = 13.3%.**

Definitions/ Qualifiers:
A: Spike recovery or precision unusable due to dilution.
B: The analyte was detected in the associated method blank.
E: The analyte was detected at a concentration greater than the calibration range, therefore the result is estimated.
J: The concentration is an estimated value.
U: The analyte was not detected at or above the reporting limit.
X: Matrix Interference has resulted in a raised reporting limit or distorted result.
W: Results reported on a wet-weight basis.
*: Value reported is outside QA limits

Analyte	Result	Units	Report Limit	Dilution Factor	Prep Batch	Prep Date/Time	Analysis Date/Time	Analyst
Polynuclear Aromatic Hydrocarbons (PNAs) (EPA 3550B/EPA 8270C)								
Phenanthrene	U	µg/kg	380	1	PS09E13E	5/13/2009	5/14/2009	TMC
Pyrene	U	µg/kg	380	1	PS09E13E	5/13/2009	5/14/2009	TMC

Fibertec environmental services

Analytical Laboratory Report

Client Identification:	**AKT Peerless Environ. Svcs, Inc. - Detroit**	Sample Matrix:	**Soil/Solid**
Fibertec Project Number:	**34020**	Sample Number:	**34020-003**

Client Sample Information

Project Identification:	**Van Dyke**	Client Sample Description:	**SB-2 (4-6)**
Project Number:	**6101D-2-20**	Client Sample Number:	**3**
Sample Date:	**5/6/2009**	Chain of Custody Number:	**90254**

Comments: **All Results Reported On Dry Weight Basis. Percent Moisture = 15.8%.**

Definitions/ Qualifiers:
A: Spike recovery or precision unusable due to dilution.
B: The analyte was detected in the associated method blank.
E: The analyte was detected at a concentration greater than the calibration range, therefore the result is estimated.
J: The concentration is an estimated value.
U: The analyte was not detected at or above the reporting limit.
X: Matrix Interference has resulted in a raised reporting limit or distorted result.
W: Results reported on a wet-weight basis.
*: Value reported is outside QA limits

Analyte	Result	Units	Report Limit	Dilution Factor	Prep Batch	Prep Date/Time	Analysis Date/Time	Analyst
UST - Used Motor Oils - Volatiles, 5035 (EPA 5035/EPA 8260B) (Estimated results for bromomethane and chloroethane, compounds failed low on CCV)								
Benzene	U	µg/kg	59	1	VA09E13B	5/6/2009	5/13/2009	JAS
Bromodichloromethane	U	µg/kg	120	1	VA09E13B	5/6/2009	5/13/2009	JAS
Bromoform	U	µg/kg	120	1	VA09E13B	5/6/2009	5/13/2009	JAS
Bromomethane	U	µg/kg	300	1	VA09E13B	5/6/2009	5/13/2009	JAS
Carbon Tetrachloride	U	µg/kg	59	1	VA09E13B	5/6/2009	5/13/2009	JAS
Chlorobenzene	U	µg/kg	59	1	VA09E13B	5/6/2009	5/13/2009	JAS
Chloroethane	U	µg/kg	300	1	VA09E13B	5/6/2009	5/13/2009	JAS
Chloroform	U	µg/kg	59	1	VA09E13B	5/6/2009	5/13/2009	JAS
Chloromethane	U	µg/kg	300	1	VA09E13B	5/6/2009	5/13/2009	JAS
Dibromochloromethane	U	µg/kg	120	1	VA09E13B	5/6/2009	5/13/2009	JAS
1,2-Dichlorobenzene	U	µg/kg	120	1	VA09E13B	5/6/2009	5/13/2009	JAS
1,3-Dichlorobenzene	U	µg/kg	120	1	VA09E13B	5/6/2009	5/13/2009	JAS
1,4-Dichlorobenzene	U	µg/kg	120	1	VA09E13B	5/6/2009	5/13/2009	JAS
1,1-Dichloroethane	U	µg/kg	59	1	VA09E13B	5/6/2009	5/13/2009	JAS
1,2-Dichloroethane	U	µg/kg	59	1	VA09E13B	5/6/2009	5/13/2009	JAS
1,1-Dichloroethene	U	µg/kg	36	1	VA09E13B	5/6/2009	5/13/2009	JAS
cis-1,2-Dichloroethene	U	µg/kg	59	1	VA09E13B	5/6/2009	5/13/2009	JAS
trans-1,2-Dichloroethene	U	µg/kg	59	1	VA09E13B	5/6/2009	5/13/2009	JAS
1,2-Dichloropropane	U	µg/kg	59	1	VA09E13B	5/6/2009	5/13/2009	JAS
cis-1,3-Dichloropropene	U	µg/kg	59	1	VA09E13B	5/6/2009	5/13/2009	JAS

Fibertec environmental services

Analytical Laboratory Report

Client Identification:	**AKT Peerless Environ. Svcs, Inc. - Detroit**	Sample Matrix:	**Soil/Solid**
Fibertec Project Number:	**34020**	Sample Number:	**34020-003**

Client Sample Information

Project Identification:	**Van Dyke**	Client Sample Description:	**SB-2 (4-6)**
Project Number:	**6101D-2-20**	Client Sample Number:	**3**
Sample Date:	**5/6/2009**	Chain of Custody Number:	**90254**

Comments: **All Results Reported On Dry Weight Basis. Percent Moisture = 15.8%.**

Definitions/ Qualifiers:
A: Spike recovery or precision unusable due to dilution.
B: The analyte was detected in the associated method blank.
E: The analyte was detected at a concentration greater than the calibration range, therefore the result is estimated.
J: The concentration is an estimated value.
U: The analyte was not detected at or above the reporting limit.
X: Matrix Interference has resulted in a raised reporting limit or distorted result.
W: Results reported on a wet-weight basis.
*: Value reported is outside QA limits

Analyte	Result	Units	Report Limit	Dilution Factor	Prep Batch	Prep Date/Time	Analysis Date/Time	Analyst
UST - Used Motor Oils - Volatiles, 5035 (EPA 5035/EPA 8260B) (Estimated results for bromomethane and chloroethane, compounds failed low on CCV)								
trans-1,3-Dichloropropene	U	µg/kg	59	1	VA09E13B	5/6/2009	5/13/2009	JAS
Ethylbenzene	U	µg/kg	59	1	VA09E13B	5/6/2009	5/13/2009	JAS
Ethylene Dibromide	U	µg/kg	59	1	VA09E13B	5/6/2009	5/13/2009	JAS
Methylene Chloride	U	µg/kg	300	1	VA09E13B	5/6/2009	5/13/2009	JAS
Naphthalene	U	µg/kg	390	1	VA09E13B	5/6/2009	5/13/2009	JAS
1,1,1,2-Tetrachloroethane	U	µg/kg	120	1	VA09E13B	5/6/2009	5/13/2009	JAS
1,1,2,2-Tetrachloroethane	U	µg/kg	120	1	VA09E13B	5/6/2009	5/13/2009	JAS
Tetrachloroethene	U	µg/kg	59	1	VA09E13B	5/6/2009	5/13/2009	JAS
Toluene	U	µg/kg	59	1	VA09E13B	5/6/2009	5/13/2009	JAS
1,2,4-Trichlorobenzene	U	µg/kg	300	1	VA09E13B	5/6/2009	5/13/2009	JAS
1,1,1-Trichloroethane	U	µg/kg	59	1	VA09E13B	5/6/2009	5/13/2009	JAS
1,1,2-Trichloroethane	U	µg/kg	59	1	VA09E13B	5/6/2009	5/13/2009	JAS
Trichloroethene	U	µg/kg	59	1	VA09E13B	5/6/2009	5/13/2009	JAS
1,2,3-Trimethylbenzene	U	µg/kg	120	1	VA09E13B	5/6/2009	5/13/2009	JAS
1,2,4-Trimethylbenzene	U	µg/kg	120	1	VA09E13B	5/6/2009	5/13/2009	JAS
1,3,5-Trimethylbenzene	U	µg/kg	120	1	VA09E13B	5/6/2009	5/13/2009	JAS
Vinyl Chloride	U	µg/kg	47	1	VA09E13B	5/6/2009	5/13/2009	JAS
Xylenes	U	µg/kg	180	1	VA09E13B	5/6/2009	5/13/2009	JAS

Fibertec environmental services

Analytical Laboratory Report

Client Identification:	**AKT Peerless Environ. Svcs, Inc. - Detroit**	Sample Matrix:	**Soil/Solid**
Fibertec Project Number:	**34020**	Sample Number:	**34020-003A**

Client Sample Information

Project Identification:	**Van Dyke**	Client Sample Description:	**SB-2 (4-6)**
Project Number:	**6101D-2-20**	Client Sample Number:	**3**
Sample Date:	**5/6/2009**	Chain of Custody Number:	**90254**

Comments: **All Results Reported On Dry Weight Basis. Percent Moisture = 15.8%.**

Definitions/ Qualifiers:
A: Spike recovery or precision unusable due to dilution.
B: The analyte was detected in the associated method blank.
E: The analyte was detected at a concentration greater than the calibration range, therefore the result is estimated.
J: The concentration is an estimated value.
U: The analyte was not detected at or above the reporting limit.
X: Matrix Interference has resulted in a raised reporting limit or distorted result.
W: Results reported on a wet-weight basis.
*: Value reported is outside QA limits

Analyte	Result	Units	Report Limit	Dilution Factor	Prep Batch	Prep Date/Time	Analysis Date/Time	Analyst
Dry Weight Determination (ASTM D 2974-87)								
Percent Moisture (Water Content)	**16**	%	0.1	1	MC090511	5/12/2009	5/13/2009	BMG
Lead + Cadmium + Chromium by ICP/MS (EPA 3050B/EPA 6020)								
Cadmium	**300**	µg/kg	50	1	PT09E13E	5/13/2009	5/14/2009	JLH
Chromium	**14000**	µg/kg	500	1	PT09E13E	5/13/2009	5/14/2009	JLH
Lead	**110000**	µg/kg	1000	1	PT09E13E	5/13/2009	5/14/2009	JLH
Polynuclear Aromatic Hydrocarbons (PNAs) (EPA 3550B/EPA 8270C)								
Acenaphthene	**U**	µg/kg	390	1	PS09E13E	5/13/2009	5/14/2009	TMC
Acenaphthylene	**U**	µg/kg	390	1	PS09E13E	5/13/2009	5/14/2009	TMC
Anthracene	**U**	µg/kg	390	1	PS09E13E	5/13/2009	5/14/2009	TMC
Benzo(a)anthracene	**U**	µg/kg	390	1	PS09E13E	5/13/2009	5/14/2009	TMC
Benzo(a)pyrene	**U**	µg/kg	390	1	PS09E13E	5/13/2009	5/14/2009	TMC
Benzo(b)fluoranthene	**U**	µg/kg	390	1	PS09E13E	5/13/2009	5/14/2009	TMC
Benzo(ghi)perylene	**U**	µg/kg	390	1	PS09E13E	5/13/2009	5/14/2009	TMC
Benzo(k)fluoranthene	**U**	µg/kg	390	1	PS09E13E	5/13/2009	5/14/2009	TMC
Chrysene	**U**	µg/kg	390	1	PS09E13E	5/13/2009	5/14/2009	TMC
Dibenzo(a,h)anthracene	**U**	µg/kg	390	1	PS09E13E	5/13/2009	5/14/2009	TMC
Fluoranthene	**U**	µg/kg	390	1	PS09E13E	5/13/2009	5/14/2009	TMC
Fluorene	**U**	µg/kg	390	1	PS09E13E	5/13/2009	5/14/2009	TMC
Indeno(1,2,3-cd)pyrene	**U**	µg/kg	390	1	PS09E13E	5/13/2009	5/14/2009	TMC
2-Methylnaphthalene	**U**	µg/kg	390	1	PS09E13E	5/13/2009	5/14/2009	TMC

Fibertec environmental services

Analytical Laboratory Report

Client Identification:	**AKT Peerless Environ. Svcs, Inc. - Detroit**	Sample Matrix:	**Soil/Solid**
Fibertec Project Number:	**34020**	Sample Number:	**34020-003A**

Client Sample Information

Project Identification:	**Van Dyke**	Client Sample Description:	**SB-2 (4-6)**
Project Number:	**6101D-2-20**	Client Sample Number:	**3**
Sample Date:	**5/6/2009**	Chain of Custody Number:	**90254**

Comments: **All Results Reported On Dry Weight Basis. Percent Moisture = 15.8%.**

Definitions/ Qualifiers:
A: Spike recovery or precision unusable due to dilution.
B: The analyte was detected in the associated method blank.
E: The analyte was detected at a concentration greater than the calibration range, therefore the result is estimated.
J: The concentration is an estimated value.
U: The analyte was not detected at or above the reporting limit.
X: Matrix Interference has resulted in a raised reporting limit or distorted result.
W: Results reported on a wet-weight basis.
*: Value reported is outside QA limits

Analyte	Result	Units	Report Limit	Dilution Factor	Prep Batch	Prep Date/Time	Analysis Date/Time	Analyst
Polynuclear Aromatic Hydrocarbons (PNAs) (EPA 3550B/EPA 8270C)								
Phenanthrene	U	µg/kg	390	1	PS09E13E	5/13/2009	5/14/2009	TMC
Pyrene	U	µg/kg	390	1	PS09E13E	5/13/2009	5/14/2009	TMC

Fibertec environmental services

Analytical Laboratory Report

Client Identification:	**AKT Peerless Environ. Svcs, Inc. - Detroit**	Sample Matrix:	**Soil/Solid**
Fibertec Project Number:	**34020**	Sample Number:	**34020-004**

Client Sample Information

Project Identification:	**Van Dyke**	Client Sample Description:	**DUP**
Project Number:	**6101D-2-20**	Client Sample Number:	**4**
Sample Date:	**5/6/2009**	Chain of Custody Number:	**90254**

Comments: **All Results Reported On Dry Weight Basis. Percent Moisture = 17.4%.**

Definitions/ Qualifiers:
A: Spike recovery or precision unusable due to dilution.
B: The analyte was detected in the associated method blank.
E: The analyte was detected at a concentration greater than the calibration range, therefore the result is estimated.
J: The concentration is an estimated value.
U: The analyte was not detected at or above the reporting limit.
X: Matrix Interference has resulted in a raised reporting limit or distorted result.
W: Results reported on a wet-weight basis.
*: Value reported is outside QA limits

Analyte	Result	Units	Report Limit	Dilution Factor	Prep Batch	Prep Date/Time	Analysis Date/Time	Analyst
UST - Used Motor Oils - Volatiles, 5035 (EPA 5035/EPA 8260B) (Estimated results for bromomethane and chloroethane, compounds failed low on CCV)								
Benzene	U	µg/kg	61	1	VA09E13B	5/6/2009	5/13/2009	JAS
Bromodichloromethane	U	µg/kg	120	1	VA09E13B	5/6/2009	5/13/2009	JAS
Bromoform	U	µg/kg	120	1	VA09E13B	5/6/2009	5/13/2009	JAS
Bromomethane	U	µg/kg	300	1	VA09E13B	5/6/2009	5/13/2009	JAS
Carbon Tetrachloride	U	µg/kg	61	1	VA09E13B	5/6/2009	5/13/2009	JAS
Chlorobenzene	U	µg/kg	61	1	VA09E13B	5/6/2009	5/13/2009	JAS
Chloroethane	U	µg/kg	300	1	VA09E13B	5/6/2009	5/13/2009	JAS
Chloroform	U	µg/kg	61	1	VA09E13B	5/6/2009	5/13/2009	JAS
Chloromethane	U	µg/kg	300	1	VA09E13B	5/6/2009	5/13/2009	JAS
Dibromochloromethane	U	µg/kg	120	1	VA09E13B	5/6/2009	5/13/2009	JAS
1,2-Dichlorobenzene	U	µg/kg	120	1	VA09E13B	5/6/2009	5/13/2009	JAS
1,3-Dichlorobenzene	U	µg/kg	120	1	VA09E13B	5/6/2009	5/13/2009	JAS
1,4-Dichlorobenzene	U	µg/kg	120	1	VA09E13B	5/6/2009	5/13/2009	JAS
1,1-Dichloroethane	U	µg/kg	61	1	VA09E13B	5/6/2009	5/13/2009	JAS
1,2-Dichloroethane	U	µg/kg	61	1	VA09E13B	5/6/2009	5/13/2009	JAS
1,1-Dichloroethene	U	µg/kg	36	1	VA09E13B	5/6/2009	5/13/2009	JAS
cis-1,2-Dichloroethene	U	µg/kg	61	1	VA09E13B	5/6/2009	5/13/2009	JAS
trans-1,2-Dichloroethene	U	µg/kg	61	1	VA09E13B	5/6/2009	5/13/2009	JAS
1,2-Dichloropropane	U	µg/kg	61	1	VA09E13B	5/6/2009	5/13/2009	JAS
cis-1,3-Dichloropropene	U	µg/kg	61	1	VA09E13B	5/6/2009	5/13/2009	JAS

Fibertec environmental services

Analytical Laboratory Report

Client Identification:	**AKT Peerless Environ. Svcs, Inc. - Detroit**	Sample Matrix:	**Soil/Solid**
Fibertec Project Number:	**34020**	Sample Number:	**34020-004**

Client Sample Information

Project Identification:	**Van Dyke**	Client Sample Description:	**DUP**
Project Number:	**6101D-2-20**	Client Sample Number:	**4**
Sample Date:	**5/6/2009**	Chain of Custody Number:	**90254**

Comments: **All Results Reported On Dry Weight Basis. Percent Moisture = 17.4%.**

Definitions/ Qualifiers:
A: Spike recovery or precision unusable due to dilution.
B: The analyte was detected in the associated method blank.
E: The analyte was detected at a concentration greater than the calibration range, therefore the result is estimated.
J: The concentration is an estimated value.
U: The analyte was not detected at or above the reporting limit.
X: Matrix Interference has resulted in a raised reporting limit or distorted result.
W: Results reported on a wet-weight basis.
*: Value reported is outside QA limits

Analyte	Result	Units	Report Limit	Dilution Factor	Prep Batch	Prep Date/Time	Analysis Date/Time	Analyst
UST - Used Motor Oils - Volatiles, 5035 (EPA 5035/EPA 8260B) (Estimated results for bromomethane and chloroethane, compounds failed low on CCV)								
trans-1,3-Dichloropropene	U	µg/kg	61	1	VA09E13B	5/6/2009	5/13/2009	JAS
Ethylbenzene	U	µg/kg	61	1	VA09E13B	5/6/2009	5/13/2009	JAS
Ethylene Dibromide	U	µg/kg	61	1	VA09E13B	5/6/2009	5/13/2009	JAS
Methylene Chloride	U	µg/kg	300	1	VA09E13B	5/6/2009	5/13/2009	JAS
Naphthalene	U	µg/kg	400	1	VA09E13B	5/6/2009	5/13/2009	JAS
1,1,1,2-Tetrachloroethane	U	µg/kg	120	1	VA09E13B	5/6/2009	5/13/2009	JAS
1,1,2,2-Tetrachloroethane	U	µg/kg	120	1	VA09E13B	5/6/2009	5/13/2009	JAS
Tetrachloroethene	U	µg/kg	61	1	VA09E13B	5/6/2009	5/13/2009	JAS
Toluene	U	µg/kg	61	1	VA09E13B	5/6/2009	5/13/2009	JAS
1,2,4-Trichlorobenzene	U	µg/kg	300	1	VA09E13B	5/6/2009	5/13/2009	JAS
1,1,1-Trichloroethane	U	µg/kg	61	1	VA09E13B	5/6/2009	5/13/2009	JAS
1,1,2-Trichloroethane	U	µg/kg	61	1	VA09E13B	5/6/2009	5/13/2009	JAS
Trichloroethene	U	µg/kg	61	1	VA09E13B	5/6/2009	5/13/2009	JAS
1,2,3-Trimethylbenzene	U	µg/kg	120	1	VA09E13B	5/6/2009	5/13/2009	JAS
1,2,4-Trimethylbenzene	U	µg/kg	120	1	VA09E13B	5/6/2009	5/13/2009	JAS
1,3,5-Trimethylbenzene	U	µg/kg	120	1	VA09E13B	5/6/2009	5/13/2009	JAS
Vinyl Chloride	U	µg/kg	48	1	VA09E13B	5/6/2009	5/13/2009	JAS
Xylenes	U	µg/kg	180	1	VA09E13B	5/6/2009	5/13/2009	JAS

Fibertec environmental services

Analytical Laboratory Report

Client Identification:	**AKT Peerless Environ. Svcs, Inc. - Detroit**	Sample Matrix:	**Soil/Solid**
Fibertec Project Number:	**34020**	Sample Number:	**34020-004A**

Client Sample Information

Project Identification:	**Van Dyke**	Client Sample Description:	**DUP**
Project Number:	**6101D-2-20**	Client Sample Number:	**4**
Sample Date:	**5/6/2009**	Chain of Custody Number:	**90254**

Comments: **All Results Reported On Dry Weight Basis. Percent Moisture = 17.4%.**

Definitions/ Qualifiers:
A: Spike recovery or precision unusable due to dilution.
B: The analyte was detected in the associated method blank.
E: The analyte was detected at a concentration greater than the calibration range, therefore the result is estimated.
J: The concentration is an estimated value.
U: The analyte was not detected at or above the reporting limit.
X: Matrix Interference has resulted in a raised reporting limit or distorted result.
W: Results reported on a wet-weight basis.
*: Value reported is outside QA limits

Analyte	Result	Units	Report Limit	Dilution Factor	Prep Batch	Prep Date/Time	Analysis Date/Time	Analyst
Dry Weight Determination (ASTM D 2974-87)								
Percent Moisture (Water Content)	**17**	%	0.1	1	MC090511	5/12/2009	5/13/2009	BMG
Lead + Cadmium + Chromium by ICP/MS (EPA 3050B/EPA 6020)								
Cadmium	**310**	µg/kg	50	1	PT09E13E	5/13/2009	5/14/2009	
Chromium	**13000**	µg/kg	500	1	PT09E13E	5/13/2009	5/14/2009	
Lead	**260000**	µg/kg	1000	1	PT09E13E	5/13/2009	5/14/2009	
Polynuclear Aromatic Hydrocarbons (PNAs) (EPA 3550B/EPA 8270C)								
Acenaphthene	**U**	µg/kg	400	1	PS09E13E	5/13/2009	5/14/2009	TMC
Acenaphthylene	**U**	µg/kg	400	1	PS09E13E	5/13/2009	5/14/2009	TMC
Anthracene	**U**	µg/kg	400	1	PS09E13E	5/13/2009	5/14/2009	TMC
Benzo(a)anthracene	**U**	µg/kg	400	1	PS09E13E	5/13/2009	5/14/2009	TMC
Benzo(a)pyrene	**U**	µg/kg	400	1	PS09E13E	5/13/2009	5/14/2009	TMC
Benzo(b)fluoranthene	**U**	µg/kg	400	1	PS09E13E	5/13/2009	5/14/2009	TMC
Benzo(ghi)perylene	**U**	µg/kg	400	1	PS09E13E	5/13/2009	5/14/2009	TMC
Benzo(k)fluoranthene	**U**	µg/kg	400	1	PS09E13E	5/13/2009	5/14/2009	TMC
Chrysene	**U**	µg/kg	400	1	PS09E13E	5/13/2009	5/14/2009	TMC
Dibenzo(a,h)anthracene	**U**	µg/kg	400	1	PS09E13E	5/13/2009	5/14/2009	TMC
Fluoranthene	**U**	µg/kg	400	1	PS09E13E	5/13/2009	5/14/2009	TMC
Fluorene	**U**	µg/kg	400	1	PS09E13E	5/13/2009	5/14/2009	TMC
Indeno(1,2,3-cd)pyrene	**U**	µg/kg	400	1	PS09E13E	5/13/2009	5/14/2009	TMC
2-Methylnaphthalene	**U**	µg/kg	400	1	PS09E13E	5/13/2009	5/14/2009	TMC

Fibertec environmental services

Analytical Laboratory Report

Client Identification:	**AKT Peerless Environ. Svcs, Inc. - Detroit**	Sample Matrix:	**Soil/Solid**
Fibertec Project Number:	**34020**	Sample Number:	**34020-004A**

Client Sample Information

Project Identification:	**Van Dyke**	Client Sample Description:	**DUP**
Project Number:	**6101D-2-20**	Client Sample Number:	**4**
Sample Date:	**5/6/2009**	Chain of Custody Number:	**90254**

Comments: **All Results Reported On Dry Weight Basis. Percent Moisture = 17.4%.**

Definitions/ Qualifiers:
A: Spike recovery or precision unusable due to dilution.
B: The analyte was detected in the associated method blank.
E: The analyte was detected at a concentration greater than the calibration range, therefore the result is estimated.
J: The concentration is an estimated value.
U: The analyte was not detected at or above the reporting limit.
X: Matrix Interference has resulted in a raised reporting limit or distorted result.
W: Results reported on a wet-weight basis.
*: Value reported is outside QA limits

Analyte	Result	Units	Report Limit	Dilution Factor	Prep Batch	Prep Date/Time	Analysis Date/Time	Analyst
Polynuclear Aromatic Hydrocarbons (PNAs) (EPA 3550B/EPA 8270C)								
Phenanthrene	U	µg/kg	400	1	PS09E13E	5/13/2009	5/14/2009	TMC
Pyrene	U	µg/kg	400	1	PS09E13E	5/13/2009	5/14/2009	TMC

Fibertec environmental services

Analytical Laboratory Report

Client Identification:	**AKT Peerless Environ. Svcs, Inc. - Detroit**	Sample Matrix:	**Soil/Solid**
Fibertec Project Number:	**34020**	Sample Number:	**34020-005**

Client Sample Information

Project Identification:	**Van Dyke**	Client Sample Description:	**SB-3 (2-4)**
Project Number:	**6101D-2-20**	Client Sample Number:	**5**
Sample Date:	**5/6/2009**	Chain of Custody Number:	**90254**

Comments: **All Results Reported On Dry Weight Basis. Percent Moisture = 12.0%.**

Definitions/ Qualifiers:
A: Spike recovery or precision unusable due to dilution.
B: The analyte was detected in the associated method blank.
E: The analyte was detected at a concentration greater than the calibration range, therefore the result is estimated.
J: The concentration is an estimated value.
U: The analyte was not detected at or above the reporting limit.
X: Matrix Interference has resulted in a raised reporting limit or distorted result.
W: Results reported on a wet-weight basis.
*: Value reported is outside QA limits

Analyte	Result	Units	Report Limit	Dilution Factor	Prep Batch	Prep Date/Time	Analysis Date/Time	Analyst
Volatile Organic Compounds (VOCs) by GC/MS, 5035 (EPA 5035/EPA 8260B)								
Acetone	U	µg/kg	1100	1	VA09E12B	5/6/2009	5/13/2009	JAS
Acrylonitrile	U	µg/kg	110	1	VA09E12B	5/6/2009	5/13/2009	JAS
Benzene	U	µg/kg	57	1	VA09E12B	5/6/2009	5/13/2009	JAS
Bromobenzene	U	µg/kg	110	1	VA09E12B	5/6/2009	5/13/2009	JAS
Bromochloromethane	U	µg/kg	110	1	VA09E12B	5/6/2009	5/13/2009	JAS
Bromodichloromethane	U	µg/kg	110	1	VA09E12B	5/6/2009	5/13/2009	JAS
Bromoform	U	µg/kg	110	1	VA09E12B	5/6/2009	5/13/2009	JAS
Bromomethane	U	µg/kg	230	1	VA09E12B	5/6/2009	5/13/2009	JAS
2-Butanone	U	µg/kg	850	1	VA09E12B	5/6/2009	5/13/2009	JAS
n-Butylbenzene	U	µg/kg	57	1	VA09E12B	5/6/2009	5/13/2009	JAS
sec-Butylbenzene	U	µg/kg	57	1	VA09E12B	5/6/2009	5/13/2009	JAS
tert-Butylbenzene	U	µg/kg	57	1	VA09E12B	5/6/2009	5/13/2009	JAS
Carbon Disulfide	U	µg/kg	280	1	VA09E12B	5/6/2009	5/13/2009	JAS
Carbon Tetrachloride	U	µg/kg	57	1	VA09E12B	5/6/2009	5/13/2009	JAS
Chlorobenzene	U	µg/kg	57	1	VA09E12B	5/6/2009	5/13/2009	JAS
Chloroethane	U	µg/kg	280	1	VA09E12B	5/6/2009	5/13/2009	JAS
Chloroform	U	µg/kg	57	1	VA09E12B	5/6/2009	5/13/2009	JAS
Chloromethane	U	µg/kg	280	1	VA09E12B	5/6/2009	5/13/2009	JAS
2-Chlorotoluene	U	µg/kg	57	1	VA09E12B	5/6/2009	5/13/2009	JAS
Dibromochloromethane	U	µg/kg	110	1	VA09E12B	5/6/2009	5/13/2009	JAS

Fibertec environmental services

Analytical Laboratory Report

Client Identification:	**AKT Peerless Environ. Svcs, Inc. - Detroit**	Sample Matrix:	**Soil/Solid**
Fibertec Project Number:	**34020**	Sample Number:	**34020-005**

Client Sample Information

Project Identification:	**Van Dyke**	Client Sample Description:	**SB-3 (2-4)**
Project Number:	**6101D-2-20**	Client Sample Number:	**5**
Sample Date:	**5/6/2009**	Chain of Custody Number:	**90254**

Comments: **All Results Reported On Dry Weight Basis. Percent Moisture = 12.0%.**

Definitions/ Qualifiers:
A: Spike recovery or precision unusable due to dilution.
B: The analyte was detected in the associated method blank.
E: The analyte was detected at a concentration greater than the calibration range, therefore the result is estimated.
J: The concentration is an estimated value.
U: The analyte was not detected at or above the reporting limit.
X: Matrix Interference has resulted in a raised reporting limit or distorted result.
W: Results reported on a wet-weight basis.
*: Value reported is outside QA limits

Analyte	Result	Units	Report Limit	Dilution Factor	Prep Batch	Prep Date/Time	Analysis Date/Time	Analyst
Volatile Organic Compounds (VOCs) by GC/MS, 5035 (EPA 5035/EPA 8260B)								
1,2-Dibromo-3-chloropropane	U	µg/kg	11	1	VA09E12B	5/6/2009	5/13/2009	JAS
Dibromomethane	U	µg/kg	280	1	VA09E12B	5/6/2009	5/13/2009	JAS
1,2-Dichlorobenzene	U	µg/kg	110	1	VA09E12B	5/6/2009	5/13/2009	JAS
1,3-Dichlorobenzene	U	µg/kg	110	1	VA09E12B	5/6/2009	5/13/2009	JAS
1,4-Dichlorobenzene	U	µg/kg	110	1	VA09E12B	5/6/2009	5/13/2009	JAS
Dichlorodifluoromethane	U	µg/kg	280	1	VA09E12B	5/6/2009	5/13/2009	JAS
1,1-Dichloroethane	U	µg/kg	57	1	VA09E12B	5/6/2009	5/13/2009	JAS
1,2-Dichloroethane	U	µg/kg	57	1	VA09E12B	5/6/2009	5/13/2009	JAS
1,1-Dichloroethene	U	µg/kg	34	1	VA09E12B	5/6/2009	5/13/2009	JAS
cis-1,2-Dichloroethene	U	µg/kg	57	1	VA09E12B	5/6/2009	5/13/2009	JAS
trans-1,2-Dichloroethene	U	µg/kg	57	1	VA09E12B	5/6/2009	5/13/2009	JAS
1,2-Dichloropropane	U	µg/kg	57	1	VA09E12B	5/6/2009	5/13/2009	JAS
cis-1,3-Dichloropropene	U	µg/kg	57	1	VA09E12B	5/6/2009	5/13/2009	JAS
trans-1,3-Dichloropropene	U	µg/kg	57	1	VA09E12B	5/6/2009	5/13/2009	JAS
Ethylbenzene	U	µg/kg	57	1	VA09E12B	5/6/2009	5/13/2009	JAS
Ethylene Dibromide	U	µg/kg	23	1	VA09E12B	5/6/2009	5/13/2009	JAS
2-Hexanone	U	µg/kg	2800	1	VA09E12B	5/6/2009	5/13/2009	JAS
Methyl Iodide	U	µg/kg	110	1	VA09E12B	5/6/2009	5/13/2009	JAS
Isopropylbenzene	U	µg/kg	280	1	VA09E12B	5/6/2009	5/13/2009	JAS
4-Methyl-2-pentanone	U	µg/kg	2800	1	VA09E12B	5/6/2009	5/13/2009	JAS

Fibertec environmental services

Analytical Laboratory Report

Client Identification:	**AKT Peerless Environ. Svcs, Inc. - Detroit**	Sample Matrix:	**Soil/Solid**
Fibertec Project Number:	**34020**	Sample Number:	**34020-005**

Client Sample Information

Project Identification:	**Van Dyke**	Client Sample Description:	**SB-3 (2-4)**
Project Number:	**6101D-2-20**	Client Sample Number:	**5**
Sample Date:	**5/6/2009**	Chain of Custody Number:	**90254**

Comments: **All Results Reported On Dry Weight Basis. Percent Moisture = 12.0%.**

Definitions/ Qualifiers:
A: Spike recovery or precision unusable due to dilution.
B: The analyte was detected in the associated method blank.
E: The analyte was detected at a concentration greater than the calibration range, therefore the result is estimated.
J: The concentration is an estimated value.
U: The analyte was not detected at or above the reporting limit.
X: Matrix Interference has resulted in a raised reporting limit or distorted result.
W: Results reported on a wet-weight basis.
*: Value reported is outside QA limits

Analyte	Result	Units	Report Limit	Dilution Factor	Prep Batch	Prep Date/Time	Analysis Date/Time	Analyst
Volatile Organic Compounds (VOCs) by GC/MS, 5035 (EPA 5035/EPA 8260B)								
Methylene Chloride	U	µg/kg	110	1	VA09E12B	5/6/2009	5/13/2009	JAS
MTBE	U	µg/kg	280	1	VA09E12B	5/6/2009	5/13/2009	JAS
Naphthalene	U	µg/kg	370	1	VA09E12B	5/6/2009	5/13/2009	JAS
n-Propylbenzene	U	µg/kg	110	1	VA09E12B	5/6/2009	5/13/2009	JAS
Styrene	U	µg/kg	57	1	VA09E12B	5/6/2009	5/13/2009	JAS
1,1,1,2-Tetrachloroethane	U	µg/kg	110	1	VA09E12B	5/6/2009	5/13/2009	JAS
1,1,2,2-Tetrachloroethane	U	µg/kg	57	1	VA09E12B	5/6/2009	5/13/2009	JAS
Tetrachloroethene	U	µg/kg	57	1	VA09E12B	5/6/2009	5/13/2009	JAS
Toluene	U	µg/kg	57	1	VA09E12B	5/6/2009	5/13/2009	JAS
1,2,4-Trichlorobenzene	U	µg/kg	370	1	VA09E12B	5/6/2009	5/13/2009	JAS
1,1,1-Trichloroethane	U	µg/kg	57	1	VA09E12B	5/6/2009	5/13/2009	JAS
1,1,2-Trichloroethane	U	µg/kg	57	1	VA09E12B	5/6/2009	5/13/2009	JAS
Trichloroethene	U	µg/kg	57	1	VA09E12B	5/6/2009	5/13/2009	JAS
Trichlorofluoromethane	U	µg/kg	110	1	VA09E12B	5/6/2009	5/13/2009	JAS
1,2,3-Trichloropropane	U	µg/kg	110	1	VA09E12B	5/6/2009	5/13/2009	JAS
1,2,3-Trimethylbenzene	U	µg/kg	110	1	VA09E12B	5/6/2009	5/13/2009	JAS
1,2,4-Trimethylbenzene	U	µg/kg	110	1	VA09E12B	5/6/2009	5/13/2009	JAS
1,3,5-Trimethylbenzene	U	µg/kg	110	1	VA09E12B	5/6/2009	5/13/2009	JAS
Vinyl Chloride	U	µg/kg	45	1	VA09E12B	5/6/2009	5/13/2009	JAS
Xylenes	U	µg/kg	170	1	VA09E12B	5/6/2009	5/13/2009	JAS

Fibertec environmental services

Analytical Laboratory Report

Client Identification:	**AKT Peerless Environ. Svcs, Inc. - Detroit**	Sample Matrix:	**Soil/Solid**
Fibertec Project Number:	**34020**	Sample Number:	**34020-005A**

Client Sample Information

Project Identification:	**Van Dyke**	Client Sample Description:	**SB-3 (2-4)**
Project Number:	**6101D-2-20**	Client Sample Number:	**5**
Sample Date:	**5/6/2009**	Chain of Custody Number:	**90254**

Comments: **All Results Reported On Dry Weight Basis. Percent Moisture = 12.0%.**

Definitions/ Qualifiers:
A: Spike recovery or precision unusable due to dilution.
B: The analyte was detected in the associated method blank.
E: The analyte was detected at a concentration greater than the calibration range, therefore the result is estimated.
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U: The analyte was not detected at or above the reporting limit.
X: Matrix Interference has resulted in a raised reporting limit or distorted result.
W: Results reported on a wet-weight basis.
*: Value reported is outside QA limits

Analyte	Result	Units	Report Limit	Dilution Factor	Prep Batch	Prep Date/Time	Analysis Date/Time	Analyst
Dry Weight Determination (ASTM D 2974-87)								
Percent Moisture (Water Content)	**12**	%	0.1	1	MC090511	5/12/2009	5/13/2009	BMG
Michigan 10 Elements by ICP/MS (EPA 3050B/EPA 6020)								
Arsenic	**5000**	µg/kg	100	1	PT09E13E	5/13/2009	5/14/2009	JLH
Barium	**46000**	µg/kg	1000	1	PT09E13E	5/13/2009	5/14/2009	JLH
Cadmium	**140**	µg/kg	50	1	PT09E13E	5/13/2009	5/14/2009	JLH
Chromium	**18000**	µg/kg	500	1	PT09E13E	5/13/2009	5/14/2009	JLH
Copper	**18000**	µg/kg	1000	1	PT09E13E	5/13/2009	5/14/2009	JLH
Lead	**10000**	µg/kg	1000	1	PT09E13E	5/13/2009	5/14/2009	JLH
Selenium	**260**	µg/kg	200	1	PT09E13E	5/13/2009	5/14/2009	JLH
Silver	**U**	µg/kg	100	1	PT09E13E	5/13/2009	5/14/2009	JLH
Zinc	**50000**	µg/kg	1000	1	PT09E13E	5/13/2009	5/14/2009	JLH
Mercury by CVAAS (EPA 7471A)								
Mercury	**U**	µg/kg	57	1	PM09E11A	5/11/2009	5/11/2009	JLH
Polychlorinated Biphenyls (PCBs) (EPA 3550B/EPA 8082)								
Aroclor-1016	**U**	µg/kg	370	1	PS09E13E	5/13/2009	5/13/2009	BDA
Aroclor-1221	**U**	µg/kg	370	1	PS09E13E	5/13/2009	5/13/2009	BDA
Aroclor-1232	**U**	µg/kg	370	1	PS09E13E	5/13/2009	5/13/2009	BDA
Aroclor-1242	**U**	µg/kg	370	1	PS09E13E	5/13/2009	5/13/2009	BDA
Aroclor-1248	**U**	µg/kg	370	1	PS09E13E	5/13/2009	5/13/2009	BDA
Aroclor-1254	**U**	µg/kg	370	1	PS09E13E	5/13/2009	5/13/2009	BDA
Aroclor-1260	**U**	µg/kg	370	1	PS09E13E	5/13/2009	5/13/2009	BDA

Fibertec environmental services

Analytical Laboratory Report

Client Identification:	**AKT Peerless Environ. Svcs, Inc. - Detroit**	Sample Matrix:	**Soil/Solid**
Fibertec Project Number:	**34020**	Sample Number:	**34020-005A**

Client Sample Information

Project Identification:	**Van Dyke**	Client Sample Description:	**SB-3 (2-4)**
Project Number:	**6101D-2-20**	Client Sample Number:	**5**
Sample Date:	**5/6/2009**	Chain of Custody Number:	**90254**

Comments: **All Results Reported On Dry Weight Basis. Percent Moisture = 12.0%.**

Definitions/ Qualifiers:
A: Spike recovery or precision unusable due to dilution.
B: The analyte was detected in the associated method blank.
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J: The concentration is an estimated value.
U: The analyte was not detected at or above the reporting limit.
X: Matrix Interference has resulted in a raised reporting limit or distorted result.
W: Results reported on a wet-weight basis.
*: Value reported is outside QA limits

Analyte	Result	Units	Report Limit	Dilution Factor	Prep Batch	Prep Date/Time	Analysis Date/Time	Analyst
Polychlorinated Biphenyls (PCBs) (EPA 3550B/EPA 8082)								
Aroclor-1262	U	µg/kg	370	1	PS09E13E	5/13/2009	5/13/2009	BDA
Aroclor-1268	U	µg/kg	370	1	PS09E13E	5/13/2009	5/13/2009	BDA
Polynuclear Aromatic Hydrocarbons (PNAs) (EPA 3550B/EPA 8270C)								
Acenaphthene	U	µg/kg	370	1	PS09E13E	5/13/2009	5/14/2009	TMC
Acenaphthylene	U	µg/kg	370	1	PS09E13E	5/13/2009	5/14/2009	TMC
Anthracene	U	µg/kg	370	1	PS09E13E	5/13/2009	5/14/2009	TMC
Benzo(a)anthracene	U	µg/kg	370	1	PS09E13E	5/13/2009	5/14/2009	TMC
Benzo(a)pyrene	U	µg/kg	370	1	PS09E13E	5/13/2009	5/14/2009	TMC
Benzo(b)fluoranthene	U	µg/kg	370	1	PS09E13E	5/13/2009	5/14/2009	TMC
Benzo(ghi)perylene	U	µg/kg	370	1	PS09E13E	5/13/2009	5/14/2009	TMC
Benzo(k)fluoranthene	U	µg/kg	370	1	PS09E13E	5/13/2009	5/14/2009	TMC
Chrysene	U	µg/kg	370	1	PS09E13E	5/13/2009	5/14/2009	TMC
Dibenzo(a,h)anthracene	U	µg/kg	370	1	PS09E13E	5/13/2009	5/14/2009	TMC
Fluoranthene	U	µg/kg	370	1	PS09E13E	5/13/2009	5/14/2009	TMC
Fluorene	U	µg/kg	370	1	PS09E13E	5/13/2009	5/14/2009	TMC
Indeno(1,2,3-cd)pyrene	U	µg/kg	370	1	PS09E13E	5/13/2009	5/14/2009	TMC
2-Methylnaphthalene	U	µg/kg	370	1	PS09E13E	5/13/2009	5/14/2009	TMC
Phenanthrene	U	µg/kg	370	1	PS09E13E	5/13/2009	5/14/2009	TMC
Pyrene	U	µg/kg	370	1	PS09E13E	5/13/2009	5/14/2009	TMC

Fibertec environmental services

Analytical Laboratory Report

Client Identification:	**AKT Peerless Environ. Svcs, Inc. - Detroit**	Sample Matrix:	**Soil/Solid**
Fibertec Project Number:	**34020**	Sample Number:	**34020-006**

Client Sample Information

Project Identification:	**Van Dyke**	Client Sample Description:	**SB-4 (2-4)**
Project Number:	**6101D-2-20**	Client Sample Number:	**6**
Sample Date:	**5/6/2009**	Chain of Custody Number:	**90254**

Comments: **All Results Reported On Dry Weight Basis. Percent Moisture = 13.2%.**

Definitions/ Qualifiers:
A: Spike recovery or precision unusable due to dilution.
B: The analyte was detected in the associated method blank.
E: The analyte was detected at a concentration greater than the calibration range, therefore the result is estimated.
J: The concentration is an estimated value.
U: The analyte was not detected at or above the reporting limit.
X: Matrix Interference has resulted in a raised reporting limit or distorted result.
W: Results reported on a wet-weight basis.
*: Value reported is outside QA limits

Analyte	Result	Units	Report Limit	Dilution Factor	Prep Batch	Prep Date/Time	Analysis Date/Time	Analyst
Volatile Organic Compounds (VOCs) by GC/MS, 5035 (EPA 5035/EPA 8260B)								
Acetone	U	µg/kg	1200	1	VA09E12B	5/6/2009	5/13/2009	JAS
Acrylonitrile	U	µg/kg	120	1	VA09E12B	5/6/2009	5/13/2009	JAS
Benzene	U	µg/kg	58	1	VA09E12B	5/6/2009	5/13/2009	JAS
Bromobenzene	U	µg/kg	120	1	VA09E12B	5/6/2009	5/13/2009	JAS
Bromochloromethane	U	µg/kg	120	1	VA09E12B	5/6/2009	5/13/2009	JAS
Bromodichloromethane	U	µg/kg	120	1	VA09E12B	5/6/2009	5/13/2009	JAS
Bromoform	U	µg/kg	120	1	VA09E12B	5/6/2009	5/13/2009	JAS
Bromomethane	U	µg/kg	230	1	VA09E12B	5/6/2009	5/13/2009	JAS
2-Butanone	U	µg/kg	860	1	VA09E12B	5/6/2009	5/13/2009	JAS
n-Butylbenzene	U	µg/kg	58	1	VA09E12B	5/6/2009	5/13/2009	JAS
sec-Butylbenzene	U	µg/kg	58	1	VA09E12B	5/6/2009	5/13/2009	JAS
tert-Butylbenzene	U	µg/kg	58	1	VA09E12B	5/6/2009	5/13/2009	JAS
Carbon Disulfide	U	µg/kg	290	1	VA09E12B	5/6/2009	5/13/2009	JAS
Carbon Tetrachloride	U	µg/kg	58	1	VA09E12B	5/6/2009	5/13/2009	JAS
Chlorobenzene	U	µg/kg	58	1	VA09E12B	5/6/2009	5/13/2009	JAS
Chloroethane	U	µg/kg	290	1	VA09E12B	5/6/2009	5/13/2009	JAS
Chloroform	U	µg/kg	58	1	VA09E12B	5/6/2009	5/13/2009	JAS
Chloromethane	U	µg/kg	290	1	VA09E12B	5/6/2009	5/13/2009	JAS
2-Chlorotoluene	U	µg/kg	58	1	VA09E12B	5/6/2009	5/13/2009	JAS
Dibromochloromethane	U	µg/kg	120	1	VA09E12B	5/6/2009	5/13/2009	JAS

Fibertec environmental services

Analytical Laboratory Report

Client Identification:	**AKT Peerless Environ. Svcs, Inc. - Detroit**	Sample Matrix:	**Soil/Solid**
Fibertec Project Number:	**34020**	Sample Number:	**34020-006**

Client Sample Information

Project Identification:	**Van Dyke**	Client Sample Description:	**SB-4 (2-4)**
Project Number:	**6101D-2-20**	Client Sample Number:	**6**
Sample Date:	**5/6/2009**	Chain of Custody Number:	**90254**

Comments: **All Results Reported On Dry Weight Basis. Percent Moisture = 13.2%.**

Definitions/ Qualifiers:
A: Spike recovery or precision unusable due to dilution.
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E: The analyte was detected at a concentration greater than the calibration range, therefore the result is estimated.
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W: Results reported on a wet-weight basis.
*: Value reported is outside QA limits

Analyte	Result	Units	Report Limit	Dilution Factor	Prep Batch	Prep Date/Time	Analysis Date/Time	Analyst
Volatile Organic Compounds (VOCs) by GC/MS, 5035 (EPA 5035/EPA 8260B)								
1,2-Dibromo-3-chloropropane	U	µg/kg	12	1	VA09E12B	5/6/2009	5/13/2009	JAS
Dibromomethane	U	µg/kg	290	1	VA09E12B	5/6/2009	5/13/2009	JAS
1,2-Dichlorobenzene	U	µg/kg	120	1	VA09E12B	5/6/2009	5/13/2009	JAS
1,3-Dichlorobenzene	U	µg/kg	120	1	VA09E12B	5/6/2009	5/13/2009	JAS
1,4-Dichlorobenzene	U	µg/kg	120	1	VA09E12B	5/6/2009	5/13/2009	JAS
Dichlorodifluoromethane	U	µg/kg	290	1	VA09E12B	5/6/2009	5/13/2009	JAS
1,1-Dichloroethane	U	µg/kg	58	1	VA09E12B	5/6/2009	5/13/2009	JAS
1,2-Dichloroethane	U	µg/kg	58	1	VA09E12B	5/6/2009	5/13/2009	JAS
1,1-Dichloroethene	U	µg/kg	35	1	VA09E12B	5/6/2009	5/13/2009	JAS
cis-1,2-Dichloroethene	U	µg/kg	58	1	VA09E12B	5/6/2009	5/13/2009	JAS
trans-1,2-Dichloroethene	U	µg/kg	58	1	VA09E12B	5/6/2009	5/13/2009	JAS
1,2-Dichloropropane	U	µg/kg	58	1	VA09E12B	5/6/2009	5/13/2009	JAS
cis-1,3-Dichloropropene	U	µg/kg	58	1	VA09E12B	5/6/2009	5/13/2009	JAS
trans-1,3-Dichloropropene	U	µg/kg	58	1	VA09E12B	5/6/2009	5/13/2009	JAS
Ethylbenzene	U	µg/kg	58	1	VA09E12B	5/6/2009	5/13/2009	JAS
Ethylene Dibromide	U	µg/kg	23	1	VA09E12B	5/6/2009	5/13/2009	JAS
2-Hexanone	U	µg/kg	2900	1	VA09E12B	5/6/2009	5/13/2009	JAS
Methyl Iodide	U	µg/kg	120	1	VA09E12B	5/6/2009	5/13/2009	JAS
Isopropylbenzene	U	µg/kg	290	1	VA09E12B	5/6/2009	5/13/2009	JAS
4-Methyl-2-pentanone	U	µg/kg	2900	1	VA09E12B	5/6/2009	5/13/2009	JAS

Fibertec environmental services

Analytical Laboratory Report

Client Identification:	**AKT Peerless Environ. Svcs, Inc. - Detroit**	Sample Matrix:	**Soil/Solid**
Fibertec Project Number:	**34020**	Sample Number:	**34020-006**

Client Sample Information

Project Identification:	**Van Dyke**	Client Sample Description:	**SB-4 (2-4)**
Project Number:	**6101D-2-20**	Client Sample Number:	**6**
Sample Date:	**5/6/2009**	Chain of Custody Number:	**90254**

Comments: **All Results Reported On Dry Weight Basis. Percent Moisture = 13.2%.**

Definitions/ Qualifiers:
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*: Value reported is outside QA limits

Analyte	Result	Units	Report Limit	Dilution Factor	Prep Batch	Prep Date/Time	Analysis Date/Time	Analyst
Volatile Organic Compounds (VOCs) by GC/MS, 5035 (EPA 5035/EPA 8260B)								
Methylene Chloride	U	µg/kg	120	1	VA09E12B	5/6/2009	5/13/2009	JAS
MTBE	U	µg/kg	290	1	VA09E12B	5/6/2009	5/13/2009	JAS
Naphthalene	U	µg/kg	380	1	VA09E12B	5/6/2009	5/13/2009	JAS
n-Propylbenzene	U	µg/kg	120	1	VA09E12B	5/6/2009	5/13/2009	JAS
Styrene	U	µg/kg	58	1	VA09E12B	5/6/2009	5/13/2009	JAS
1,1,1,2-Tetrachloroethane	U	µg/kg	120	1	VA09E12B	5/6/2009	5/13/2009	JAS
1,1,2,2-Tetrachloroethane	U	µg/kg	58	1	VA09E12B	5/6/2009	5/13/2009	JAS
Tetrachloroethene	U	µg/kg	58	1	VA09E12B	5/6/2009	5/13/2009	JAS
Toluene	U	µg/kg	58	1	VA09E12B	5/6/2009	5/13/2009	JAS
1,2,4-Trichlorobenzene	U	µg/kg	380	1	VA09E12B	5/6/2009	5/13/2009	JAS
1,1,1-Trichloroethane	U	µg/kg	58	1	VA09E12B	5/6/2009	5/13/2009	JAS
1,1,2-Trichloroethane	U	µg/kg	58	1	VA09E12B	5/6/2009	5/13/2009	JAS
Trichloroethene	U	µg/kg	58	1	VA09E12B	5/6/2009	5/13/2009	JAS
Trichlorofluoromethane	U	µg/kg	120	1	VA09E12B	5/6/2009	5/13/2009	JAS
1,2,3-Trichloropropane	U	µg/kg	120	1	VA09E12B	5/6/2009	5/13/2009	JAS
1,2,3-Trimethylbenzene	U	µg/kg	120	1	VA09E12B	5/6/2009	5/13/2009	JAS
1,2,4-Trimethylbenzene	U	µg/kg	120	1	VA09E12B	5/6/2009	5/13/2009	JAS
1,3,5-Trimethylbenzene	U	µg/kg	120	1	VA09E12B	5/6/2009	5/13/2009	JAS
Vinyl Chloride	U	µg/kg	46	1	VA09E12B	5/6/2009	5/13/2009	JAS
Xylenes	U	µg/kg	170	1	VA09E12B	5/6/2009	5/13/2009	JAS

Fibertec environmental services

Analytical Laboratory Report

Client Identification:	**AKT Peerless Environ. Svcs, Inc. - Detroit**	Sample Matrix:	**Soil/Solid**
Fibertec Project Number:	**34020**	Sample Number:	**34020-006A**

Client Sample Information

Project Identification:	**Van Dyke**	Client Sample Description:	**SB-4 (2-4)**
Project Number:	**6101D-2-20**	Client Sample Number:	**6**
Sample Date:	**5/6/2009**	Chain of Custody Number:	**90254**

Comments: **All Results Reported On Dry Weight Basis. Percent Moisture = 13.2%.**

Definitions/ Qualifiers:
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Analyte	Result	Units	Report Limit	Dilution Factor	Prep Batch	Prep Date/Time	Analysis Date/Time	Analyst
Dry Weight Determination (ASTM D 2974-87)								
Percent Moisture (Water Content)	**13**	%	0.1	1	MC090511	5/12/2009	5/13/2009	BMG
Michigan 10 Elements by ICP/MS (EPA 3050B/EPA 6020)								
Arsenic	**6000**	µg/kg	100	1	PT09E13E	5/13/2009	5/14/2009	JLH
Barium	**66000**	µg/kg	1000	1	PT09E13E	5/13/2009	5/14/2009	JLH
Cadmium	**260**	µg/kg	50	1	PT09E13E	5/13/2009	5/14/2009	JLH
Chromium	**23000**	µg/kg	500	1	PT09E13E	5/13/2009	5/14/2009	JLH
Copper	**33000**	µg/kg	1000	1	PT09E13E	5/13/2009	5/14/2009	JLH
Lead	**58000**	µg/kg	1000	1	PT09E13E	5/13/2009	5/14/2009	JLH
Selenium	**340**	µg/kg	200	1	PT09E13E	5/13/2009	5/14/2009	JLH
Silver	**U**	µg/kg	100	1	PT09E13E	5/13/2009	5/14/2009	JLH
Zinc	**74000**	µg/kg	1000	1	PT09E13E	5/13/2009	5/14/2009	JLH
Mercury by CVAAS (EPA 7471A)								
Mercury	**230**	µg/kg	58	1	PM09E11A	5/11/2009	5/11/2009	JLH
Polychlorinated Biphenyls (PCBs) (EPA 3550B/EPA 8082)								
Aroclor-1016	**U**	µg/kg	380	1	PS09E13E	5/13/2009	5/14/2009	BDA
Aroclor-1221	**U**	µg/kg	380	1	PS09E13E	5/13/2009	5/14/2009	BDA
Aroclor-1232	**U**	µg/kg	380	1	PS09E13E	5/13/2009	5/14/2009	BDA
Aroclor-1242	**U**	µg/kg	380	1	PS09E13E	5/13/2009	5/14/2009	BDA
Aroclor-1248	**U**	µg/kg	380	1	PS09E13E	5/13/2009	5/14/2009	BDA
Aroclor-1254	**U**	µg/kg	380	1	PS09E13E	5/13/2009	5/14/2009	BDA
Aroclor-1260	**U**	µg/kg	380	1	PS09E13E	5/13/2009	5/14/2009	BDA

Fibertec environmental services

Analytical Laboratory Report

Client Identification:	**AKT Peerless Environ. Svcs, Inc. - Detroit**	Sample Matrix:	**Soil/Solid**
Fibertec Project Number:	**34020**	Sample Number:	**34020-006A**

Client Sample Information

Project Identification:	**Van Dyke**	Client Sample Description:	**SB-4 (2-4)**
Project Number:	**6101D-2-20**	Client Sample Number:	**6**
Sample Date:	**5/6/2009**	Chain of Custody Number:	**90254**

Comments: **All Results Reported On Dry Weight Basis. Percent Moisture = 13.2%.**

Definitions/ Qualifiers:
A: Spike recovery or precision unusable due to dilution.
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W: Results reported on a wet-weight basis.
*: Value reported is outside QA limits

Analyte	Result	Units	Report Limit	Dilution Factor	Prep Batch	Prep Date/Time	Analysis Date/Time	Analyst
Polychlorinated Biphenyls (PCBs) (EPA 3550B/EPA 8082)								
Aroclor-1262	**U**	µg/kg	380	1	PS09E13E	5/13/2009	5/14/2009	BDA
Aroclor-1268	**U**	µg/kg	380	1	PS09E13E	5/13/2009	5/14/2009	BDA
Polynuclear Aromatic Hydrocarbons (PNAs) (EPA 3550B/EPA 8270C)								
Acenaphthene	**U**	µg/kg	380	1	PS09E13E	5/13/2009	5/14/2009	BDA
Acenaphthylene	**U**	µg/kg	380	1	PS09E13E	5/13/2009	5/14/2009	BDA
Anthracene	**U**	µg/kg	380	1	PS09E13E	5/13/2009	5/14/2009	BDA
Benzo(a)anthracene	**U**	µg/kg	380	1	PS09E13E	5/13/2009	5/14/2009	BDA
Benzo(a)pyrene	**U**	µg/kg	380	1	PS09E13E	5/13/2009	5/14/2009	BDA
Benzo(b)fluoranthene	**U**	µg/kg	380	1	PS09E13E	5/13/2009	5/14/2009	BDA
Benzo(ghi)perylene	**U**	µg/kg	380	1	PS09E13E	5/13/2009	5/14/2009	BDA
Benzo(k)fluoranthene	**U**	µg/kg	380	1	PS09E13E	5/13/2009	5/14/2009	BDA
Chrysene	**U**	µg/kg	380	1	PS09E13E	5/13/2009	5/14/2009	BDA
Dibenzo(a,h)anthracene	**U**	µg/kg	380	1	PS09E13E	5/13/2009	5/14/2009	BDA
Fluoranthene	**490**	µg/kg	380	1	PS09E13E	5/13/2009	5/14/2009	BDA
Fluorene	**U**	µg/kg	380	1	PS09E13E	5/13/2009	5/14/2009	BDA
Indeno(1,2,3-cd)pyrene	**U**	µg/kg	380	1	PS09E13E	5/13/2009	5/14/2009	BDA
2-Methylnaphthalene	**U**	µg/kg	380	1	PS09E13E	5/13/2009	5/14/2009	BDA
Phenanthrene	**420**	µg/kg	380	1	PS09E13E	5/13/2009	5/14/2009	BDA
Pyrene	**410**	µg/kg	380	1	PS09E13E	5/13/2009	5/14/2009	BDA

Fibertec environmental services

Analytical Laboratory Report

Client Identification:	**AKT Peerless Environ. Svcs, Inc. - Detroit**	Sample Matrix:	**Soil/Solid**
Fibertec Project Number:	**34020**	Sample Number:	**34020-007**

Client Sample Information

Project Identification:	**Van Dyke**	Client Sample Description:	**SB-5 (2-4)**
Project Number:	**6101D-2-20**	Client Sample Number:	**7**
Sample Date:	**5/6/2009**	Chain of Custody Number:	**90254**

Comments: **All Results Reported On Dry Weight Basis. Percent Moisture = 13.0%.**

Definitions/ Qualifiers:
A: Spike recovery or precision unusable due to dilution.
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*: Value reported is outside QA limits

Analyte	Result	Units	Report Limit	Dilution Factor	Prep Batch	Prep Date/Time	Analysis Date/Time	Analyst
Volatile Organic Compounds (VOCs) by GC/MS, 5035 (EPA 5035/EPA 8260B)								
Acetone	U	µg/kg	1100	1	VA09E12B	5/6/2009	5/13/2009	JAS
Acrylonitrile	U	µg/kg	110	1	VA09E12B	5/6/2009	5/13/2009	JAS
Benzene	U	µg/kg	57	1	VA09E12B	5/6/2009	5/13/2009	JAS
Bromobenzene	U	µg/kg	110	1	VA09E12B	5/6/2009	5/13/2009	JAS
Bromochloromethane	U	µg/kg	110	1	VA09E12B	5/6/2009	5/13/2009	JAS
Bromodichloromethane	U	µg/kg	110	1	VA09E12B	5/6/2009	5/13/2009	JAS
Bromoform	U	µg/kg	110	1	VA09E12B	5/6/2009	5/13/2009	JAS
Bromomethane	U	µg/kg	230	1	VA09E12B	5/6/2009	5/13/2009	JAS
2-Butanone	U	µg/kg	860	1	VA09E12B	5/6/2009	5/13/2009	JAS
n-Butylbenzene	U	µg/kg	57	1	VA09E12B	5/6/2009	5/13/2009	JAS
sec-Butylbenzene	U	µg/kg	57	1	VA09E12B	5/6/2009	5/13/2009	JAS
tert-Butylbenzene	U	µg/kg	57	1	VA09E12B	5/6/2009	5/13/2009	JAS
Carbon Disulfide	U	µg/kg	290	1	VA09E12B	5/6/2009	5/13/2009	JAS
Carbon Tetrachloride	U	µg/kg	57	1	VA09E12B	5/6/2009	5/13/2009	JAS
Chlorobenzene	U	µg/kg	57	1	VA09E12B	5/6/2009	5/13/2009	JAS
Chloroethane	U	µg/kg	290	1	VA09E12B	5/6/2009	5/13/2009	JAS
Chloroform	U	µg/kg	57	1	VA09E12B	5/6/2009	5/13/2009	JAS
Chloromethane	U	µg/kg	290	1	VA09E12B	5/6/2009	5/13/2009	JAS
2-Chlorotoluene	U	µg/kg	57	1	VA09E12B	5/6/2009	5/13/2009	JAS
Dibromochloromethane	U	µg/kg	110	1	VA09E12B	5/6/2009	5/13/2009	JAS

Fibertec environmental services

Analytical Laboratory Report

Client Identification:	**AKT Peerless Environ. Svcs, Inc. - Detroit**	Sample Matrix:	**Soil/Solid**
Fibertec Project Number:	**34020**	Sample Number:	**34020-007**

Client Sample Information

Project Identification:	**Van Dyke**	Client Sample Description:	**SB-5 (2-4)**
Project Number:	**6101D-2-20**	Client Sample Number:	**7**
Sample Date:	**5/6/2009**	Chain of Custody Number:	**90254**

Comments: **All Results Reported On Dry Weight Basis. Percent Moisture = 13.0%.**

Definitions/ Qualifiers:
A: Spike recovery or precision unusable due to dilution.
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W: Results reported on a wet-weight basis.
*: Value reported is outside QA limits

Analyte	Result	Units	Report Limit	Dilution Factor	Prep Batch	Prep Date/Time	Analysis Date/Time	Analyst
Volatile Organic Compounds (VOCs) by GC/MS, 5035 (EPA 5035/EPA 8260B)								
1,2-Dibromo-3-chloropropane	U	µg/kg	11	1	VA09E12B	5/6/2009	5/13/2009	JAS
Dibromomethane	U	µg/kg	290	1	VA09E12B	5/6/2009	5/13/2009	JAS
1,2-Dichlorobenzene	U	µg/kg	110	1	VA09E12B	5/6/2009	5/13/2009	JAS
1,3-Dichlorobenzene	U	µg/kg	110	1	VA09E12B	5/6/2009	5/13/2009	JAS
1,4-Dichlorobenzene	U	µg/kg	110	1	VA09E12B	5/6/2009	5/13/2009	JAS
Dichlorodifluoromethane	U	µg/kg	290	1	VA09E12B	5/6/2009	5/13/2009	JAS
1,1-Dichloroethane	U	µg/kg	57	1	VA09E12B	5/6/2009	5/13/2009	JAS
1,2-Dichloroethane	U	µg/kg	57	1	VA09E12B	5/6/2009	5/13/2009	JAS
1,1-Dichloroethene	U	µg/kg	34	1	VA09E12B	5/6/2009	5/13/2009	JAS
cis-1,2-Dichloroethene	U	µg/kg	57	1	VA09E12B	5/6/2009	5/13/2009	JAS
trans-1,2-Dichloroethene	U	µg/kg	57	1	VA09E12B	5/6/2009	5/13/2009	JAS
1,2-Dichloropropane	U	µg/kg	57	1	VA09E12B	5/6/2009	5/13/2009	JAS
cis-1,3-Dichloropropene	U	µg/kg	57	1	VA09E12B	5/6/2009	5/13/2009	JAS
trans-1,3-Dichloropropene	U	µg/kg	57	1	VA09E12B	5/6/2009	5/13/2009	JAS
Ethylbenzene	U	µg/kg	57	1	VA09E12B	5/6/2009	5/13/2009	JAS
Ethylene Dibromide	U	µg/kg	23	1	VA09E12B	5/6/2009	5/13/2009	JAS
2-Hexanone	U	µg/kg	2900	1	VA09E12B	5/6/2009	5/13/2009	JAS
Methyl Iodide	U	µg/kg	110	1	VA09E12B	5/6/2009	5/13/2009	JAS
Isopropylbenzene	U	µg/kg	290	1	VA09E12B	5/6/2009	5/13/2009	JAS
4-Methyl-2-pentanone	U	µg/kg	2900	1	VA09E12B	5/6/2009	5/13/2009	JAS

Fibertec environmental services

Analytical Laboratory Report

Client Identification:	**AKT Peerless Environ. Svcs, Inc. - Detroit**	Sample Matrix:	**Soil/Solid**
Fibertec Project Number:	**34020**	Sample Number:	**34020-007**

Client Sample Information

Project Identification:	**Van Dyke**	Client Sample Description:	**SB-5 (2-4)**
Project Number:	**6101D-2-20**	Client Sample Number:	**7**
Sample Date:	**5/6/2009**	Chain of Custody Number:	**90254**

Comments: **All Results Reported On Dry Weight Basis. Percent Moisture = 13.0%.**

Definitions/ Qualifiers:
A: Spike recovery or precision unusable due to dilution.
B: The analyte was detected in the associated method blank.
E: The analyte was detected at a concentration greater than the calibration range, therefore the result is estimated.
J: The concentration is an estimated value.
U: The analyte was not detected at or above the reporting limit.
X: Matrix Interference has resulted in a raised reporting limit or distorted result.
W: Results reported on a wet-weight basis.
*: Value reported is outside QA limits

Analyte	Result	Units	Report Limit	Dilution Factor	Prep Batch	Prep Date/Time	Analysis Date/Time	Analyst
Volatile Organic Compounds (VOCs) by GC/MS, 5035 (EPA 5035/EPA 8260B)								
Methylene Chloride	U	µg/kg	110	1	VA09E12B	5/6/2009	5/13/2009	JAS
MTBE	U	µg/kg	290	1	VA09E12B	5/6/2009	5/13/2009	JAS
Naphthalene	U	µg/kg	380	1	VA09E12B	5/6/2009	5/13/2009	JAS
n-Propylbenzene	U	µg/kg	110	1	VA09E12B	5/6/2009	5/13/2009	JAS
Styrene	U	µg/kg	57	1	VA09E12B	5/6/2009	5/13/2009	JAS
1,1,1,2-Tetrachloroethane	U	µg/kg	110	1	VA09E12B	5/6/2009	5/13/2009	JAS
1,1,2,2-Tetrachloroethane	U	µg/kg	57	1	VA09E12B	5/6/2009	5/13/2009	JAS
Tetrachloroethene	U	µg/kg	57	1	VA09E12B	5/6/2009	5/13/2009	JAS
Toluene	U	µg/kg	57	1	VA09E12B	5/6/2009	5/13/2009	JAS
1,2,4-Trichlorobenzene	U	µg/kg	380	1	VA09E12B	5/6/2009	5/13/2009	JAS
1,1,1-Trichloroethane	U	µg/kg	57	1	VA09E12B	5/6/2009	5/13/2009	JAS
1,1,2-Trichloroethane	U	µg/kg	57	1	VA09E12B	5/6/2009	5/13/2009	JAS
Trichloroethene	U	µg/kg	57	1	VA09E12B	5/6/2009	5/13/2009	JAS
Trichlorofluoromethane	U	µg/kg	110	1	VA09E12B	5/6/2009	5/13/2009	JAS
1,2,3-Trichloropropane	U	µg/kg	110	1	VA09E12B	5/6/2009	5/13/2009	JAS
1,2,3-Trimethylbenzene	U	µg/kg	110	1	VA09E12B	5/6/2009	5/13/2009	JAS
1,2,4-Trimethylbenzene	U	µg/kg	110	1	VA09E12B	5/6/2009	5/13/2009	JAS
1,3,5-Trimethylbenzene	U	µg/kg	110	1	VA09E12B	5/6/2009	5/13/2009	JAS
Vinyl Chloride	U	µg/kg	46	1	VA09E12B	5/6/2009	5/13/2009	JAS
Xylenes	U	µg/kg	170	1	VA09E12B	5/6/2009	5/13/2009	JAS

Fibertec environmental services

Analytical Laboratory Report

Client Identification:	**AKT Peerless Environ. Svcs, Inc. - Detroit**	Sample Matrix:	**Soil/Solid**
Fibertec Project Number:	**34020**	Sample Number:	**34020-007A**

Client Sample Information

Project Identification:	**Van Dyke**	Client Sample Description:	**SB-5 (2-4)**
Project Number:	**6101D-2-20**	Client Sample Number:	**7**
Sample Date:	**5/6/2009**	Chain of Custody Number:	**90254**

Comments: **All Results Reported On Dry Weight Basis. Percent Moisture = 13.0%.**

Definitions/ Qualifiers:
A: Spike recovery or precision unusable due to dilution.
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Analyte	Result	Units	Report Limit	Dilution Factor	Prep Batch	Prep Date/Time	Analysis Date/Time	Analyst
Dry Weight Determination (ASTM D 2974-87)								
Percent Moisture (Water Content)	**13**	%	0.1	1	MC090511	5/12/2009	5/13/2009	BMG
Michigan 10 Elements by ICP/MS (EPA 3050B/EPA 6020)								
Arsenic	**3200**	µg/kg	100	1	PT09E13E	5/13/2009	5/14/2009	JLH
Barium	**32000**	µg/kg	1000	1	PT09E13E	5/13/2009	5/14/2009	JLH
Cadmium	**160**	µg/kg	50	1	PT09E13E	5/13/2009	5/14/2009	JLH
Chromium	**8200**	µg/kg	500	1	PT09E13E	5/13/2009	5/14/2009	JLH
Copper	**11000**	µg/kg	1000	1	PT09E13E	5/13/2009	5/14/2009	JLH
Lead	**36000**	µg/kg	1000	1	PT09E13E	5/13/2009	5/14/2009	JLH
Selenium	**U**	µg/kg	200	1	PT09E13E	5/13/2009	5/14/2009	JLH
Silver	**U**	µg/kg	100	1	PT09E13E	5/13/2009	5/14/2009	JLH
Zinc	**41000**	µg/kg	1000	1	PT09E13E	5/13/2009	5/14/2009	JLH
Mercury by CVAAS (EPA 7471A)								
Mercury	**180**	µg/kg	57	1	PM09E11A	5/11/2009	5/11/2009	JLH
Polychlorinated Biphenyls (PCBs) (EPA 3550B/EPA 8082)								
Aroclor-1016	**U**	µg/kg	380	1	PS09E13E	5/13/2009	5/14/2009	BDA
Aroclor-1221	**U**	µg/kg	380	1	PS09E13E	5/13/2009	5/14/2009	BDA
Aroclor-1232	**U**	µg/kg	380	1	PS09E13E	5/13/2009	5/14/2009	BDA
Aroclor-1242	**U**	µg/kg	380	1	PS09E13E	5/13/2009	5/14/2009	BDA
Aroclor-1248	**U**	µg/kg	380	1	PS09E13E	5/13/2009	5/14/2009	BDA
Aroclor-1254	**U**	µg/kg	380	1	PS09E13E	5/13/2009	5/14/2009	BDA
Aroclor-1260	**U**	µg/kg	380	1	PS09E13E	5/13/2009	5/14/2009	BDA

Fibertec environmental services

Analytical Laboratory Report

Client Identification:	**AKT Peerless Environ. Svcs, Inc. - Detroit**	Sample Matrix:	**Soil/Solid**
Fibertec Project Number:	**34020**	Sample Number:	**34020-007A**

Client Sample Information

Project Identification:	**Van Dyke**	Client Sample Description:	**SB-5 (2-4)**
Project Number:	**6101D-2-20**	Client Sample Number:	**7**
Sample Date:	**5/6/2009**	Chain of Custody Number:	**90254**

Comments: **All Results Reported On Dry Weight Basis. Percent Moisture = 13.0%.**

Definitions/ Qualifiers:
A: Spike recovery or precision unusable due to dilution.
B: The analyte was detected in the associated method blank.
E: The analyte was detected at a concentration greater than the calibration range, therefore the result is estimated.
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W: Results reported on a wet-weight basis.
*: Value reported is outside QA limits

Analyte	Result	Units	Report Limit	Dilution Factor	Prep Batch	Prep Date/Time	Analysis Date/Time	Analyst
Polychlorinated Biphenyls (PCBs) (EPA 3550B/EPA 8082)								
Aroclor-1262	U	µg/kg	380	1	PS09E13E	5/13/2009	5/14/2009	BDA
Aroclor-1268	U	µg/kg	380	1	PS09E13E	5/13/2009	5/14/2009	BDA
Polynuclear Aromatic Hydrocarbons (PNAs) (EPA 3550B/EPA 8270C)								
Acenaphthene	U	µg/kg	380	1	PS09E13E	5/13/2009	5/14/2009	BDA
Acenaphthylene	U	µg/kg	380	1	PS09E13E	5/13/2009	5/14/2009	BDA
Anthracene	U	µg/kg	380	1	PS09E13E	5/13/2009	5/14/2009	BDA
Benzo(a)anthracene	U	µg/kg	380	1	PS09E13E	5/13/2009	5/14/2009	BDA
Benzo(a)pyrene	U	µg/kg	380	1	PS09E13E	5/13/2009	5/14/2009	BDA
Benzo(b)fluoranthene	U	µg/kg	380	1	PS09E13E	5/13/2009	5/14/2009	BDA
Benzo(ghi)perylene	U	µg/kg	380	1	PS09E13E	5/13/2009	5/14/2009	BDA
Benzo(k)fluoranthene	U	µg/kg	380	1	PS09E13E	5/13/2009	5/14/2009	BDA
Chrysene	U	µg/kg	380	1	PS09E13E	5/13/2009	5/14/2009	BDA
Dibenzo(a,h)anthracene	U	µg/kg	380	1	PS09E13E	5/13/2009	5/14/2009	BDA
Fluoranthene	U	µg/kg	380	1	PS09E13E	5/13/2009	5/14/2009	BDA
Fluorene	U	µg/kg	380	1	PS09E13E	5/13/2009	5/14/2009	BDA
Indeno(1,2,3-cd)pyrene	U	µg/kg	380	1	PS09E13E	5/13/2009	5/14/2009	BDA
2-Methylnaphthalene	U	µg/kg	380	1	PS09E13E	5/13/2009	5/14/2009	BDA
Phenanthrene	U	µg/kg	380	1	PS09E13E	5/13/2009	5/14/2009	BDA
Pyrene	U	µg/kg	380	1	PS09E13E	5/13/2009	5/14/2009	BDA

Fibertec environmental services

Analytical Laboratory Report

Client Identification:	**AKT Peerless Environ. Svcs, Inc. - Detroit**	Sample Matrix:	**Soil/Solid**
Fibertec Project Number:	**34020**	Sample Number:	**34020-008**

Client Sample Information

Project Identification:	**Van Dyke**	Client Sample Description:	**SB-6 (2-4)**
Project Number:	**6101D-2-20**	Client Sample Number:	**8**
Sample Date:	**5/6/2009**	Chain of Custody Number:	**90254**

Comments: **All Results Reported On Dry Weight Basis. Percent Moisture = 14.8%.**

Definitions/ Qualifiers:
A: Spike recovery or precision unusable due to dilution.
B: The analyte was detected in the associated method blank.
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Analyte	Result	Units	Report Limit	Dilution Factor	Prep Batch	Prep Date/Time	Analysis Date/Time	Analyst
Volatile Organic Compounds (VOCs) by GC/MS, 5035 (EPA 5035/EPA 8260B)								
Acetone	U	µg/kg	1200	1	VA09E12B	5/6/2009	5/13/2009	JAS
Acrylonitrile	U	µg/kg	120	1	VA09E12B	5/6/2009	5/13/2009	JAS
Benzene	U	µg/kg	59	1	VA09E12B	5/6/2009	5/13/2009	JAS
Bromobenzene	U	µg/kg	120	1	VA09E12B	5/6/2009	5/13/2009	JAS
Bromochloromethane	U	µg/kg	120	1	VA09E12B	5/6/2009	5/13/2009	JAS
Bromodichloromethane	U	µg/kg	120	1	VA09E12B	5/6/2009	5/13/2009	JAS
Bromoform	U	µg/kg	120	1	VA09E12B	5/6/2009	5/13/2009	JAS
Bromomethane	U	µg/kg	230	1	VA09E12B	5/6/2009	5/13/2009	JAS
2-Butanone	U	µg/kg	880	1	VA09E12B	5/6/2009	5/13/2009	JAS
n-Butylbenzene	U	µg/kg	59	1	VA09E12B	5/6/2009	5/13/2009	JAS
sec-Butylbenzene	U	µg/kg	59	1	VA09E12B	5/6/2009	5/13/2009	JAS
tert-Butylbenzene	U	µg/kg	59	1	VA09E12B	5/6/2009	5/13/2009	JAS
Carbon Disulfide	U	µg/kg	290	1	VA09E12B	5/6/2009	5/13/2009	JAS
Carbon Tetrachloride	U	µg/kg	59	1	VA09E12B	5/6/2009	5/13/2009	JAS
Chlorobenzene	U	µg/kg	59	1	VA09E12B	5/6/2009	5/13/2009	JAS
Chloroethane	U	µg/kg	290	1	VA09E12B	5/6/2009	5/13/2009	JAS
Chloroform	U	µg/kg	59	1	VA09E12B	5/6/2009	5/13/2009	JAS
Chloromethane	U	µg/kg	290	1	VA09E12B	5/6/2009	5/13/2009	JAS
2-Chlorotoluene	U	µg/kg	59	1	VA09E12B	5/6/2009	5/13/2009	JAS
Dibromochloromethane	U	µg/kg	120	1	VA09E12B	5/6/2009	5/13/2009	JAS

Fibertec environmental services

Analytical Laboratory Report

Client Identification:	**AKT Peerless Environ. Svcs, Inc. - Detroit**	Sample Matrix:	**Soil/Solid**
Fibertec Project Number:	**34020**	Sample Number:	**34020-008**

Client Sample Information

Project Identification:	**Van Dyke**	Client Sample Description:	**SB-6 (2-4)**
Project Number:	**6101D-2-20**	Client Sample Number:	**8**
Sample Date:	**5/6/2009**	Chain of Custody Number:	**90254**

Comments: **All Results Reported On Dry Weight Basis. Percent Moisture = 14.8%.**

Definitions/ Qualifiers:
A: Spike recovery or precision unusable due to dilution.
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Analyte	Result	Units	Report Limit	Dilution Factor	Prep Batch	Prep Date/Time	Analysis Date/Time	Analyst
Volatile Organic Compounds (VOCs) by GC/MS, 5035 (EPA 5035/EPA 8260B)								
1,2-Dibromo-3-chloropropane	U	µg/kg	12	1	VA09E12B	5/6/2009	5/13/2009	JAS
Dibromomethane	U	µg/kg	290	1	VA09E12B	5/6/2009	5/13/2009	JAS
1,2-Dichlorobenzene	U	µg/kg	120	1	VA09E12B	5/6/2009	5/13/2009	JAS
1,3-Dichlorobenzene	U	µg/kg	120	1	VA09E12B	5/6/2009	5/13/2009	JAS
1,4-Dichlorobenzene	U	µg/kg	120	1	VA09E12B	5/6/2009	5/13/2009	JAS
Dichlorodifluoromethane	U	µg/kg	290	1	VA09E12B	5/6/2009	5/13/2009	JAS
1,1-Dichloroethane	U	µg/kg	59	1	VA09E12B	5/6/2009	5/13/2009	JAS
1,2-Dichloroethane	U	µg/kg	59	1	VA09E12B	5/6/2009	5/13/2009	JAS
1,1-Dichloroethene	U	µg/kg	35	1	VA09E12B	5/6/2009	5/13/2009	JAS
cis-1,2-Dichloroethene	U	µg/kg	59	1	VA09E12B	5/6/2009	5/13/2009	JAS
trans-1,2-Dichloroethene	U	µg/kg	59	1	VA09E12B	5/6/2009	5/13/2009	JAS
1,2-Dichloropropane	U	µg/kg	59	1	VA09E12B	5/6/2009	5/13/2009	JAS
cis-1,3-Dichloropropene	U	µg/kg	59	1	VA09E12B	5/6/2009	5/13/2009	JAS
trans-1,3-Dichloropropene	U	µg/kg	59	1	VA09E12B	5/6/2009	5/13/2009	JAS
Ethylbenzene	U	µg/kg	59	1	VA09E12B	5/6/2009	5/13/2009	JAS
Ethylene Dibromide	U	µg/kg	23	1	VA09E12B	5/6/2009	5/13/2009	JAS
2-Hexanone	U	µg/kg	2900	1	VA09E12B	5/6/2009	5/13/2009	JAS
Methyl Iodide	U	µg/kg	120	1	VA09E12B	5/6/2009	5/13/2009	JAS
Isopropylbenzene	U	µg/kg	290	1	VA09E12B	5/6/2009	5/13/2009	JAS
4-Methyl-2-pentanone	U	µg/kg	2900	1	VA09E12B	5/6/2009	5/13/2009	JAS

Fibertec environmental services

Analytical Laboratory Report

Client Identification:	**AKT Peerless Environ. Svcs, Inc. - Detroit**	Sample Matrix:	**Soil/Solid**
Fibertec Project Number:	**34020**	Sample Number:	**34020-008**

Client Sample Information

Project Identification:	**Van Dyke**	Client Sample Description:	**SB-6 (2-4)**
Project Number:	**6101D-2-20**	Client Sample Number:	**8**
Sample Date:	**5/6/2009**	Chain of Custody Number:	**90254**

Comments: **All Results Reported On Dry Weight Basis. Percent Moisture = 14.8%.**

Definitions/ Qualifiers:
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Analyte	Result	Units	Report Limit	Dilution Factor	Prep Batch	Prep Date/Time	Analysis Date/Time	Analyst
Volatile Organic Compounds (VOCs) by GC/MS, 5035 (EPA 5035/EPA 8260B)								
Methylene Chloride	U	µg/kg	120	1	VA09E12B	5/6/2009	5/13/2009	JAS
MTBE	U	µg/kg	290	1	VA09E12B	5/6/2009	5/13/2009	JAS
Naphthalene	U	µg/kg	390	1	VA09E12B	5/6/2009	5/13/2009	JAS
n-Propylbenzene	U	µg/kg	120	1	VA09E12B	5/6/2009	5/13/2009	JAS
Styrene	U	µg/kg	59	1	VA09E12B	5/6/2009	5/13/2009	JAS
1,1,1,2-Tetrachloroethane	U	µg/kg	120	1	VA09E12B	5/6/2009	5/13/2009	JAS
1,1,2,2-Tetrachloroethane	U	µg/kg	59	1	VA09E12B	5/6/2009	5/13/2009	JAS
Tetrachloroethene	U	µg/kg	59	1	VA09E12B	5/6/2009	5/13/2009	JAS
Toluene	U	µg/kg	59	1	VA09E12B	5/6/2009	5/13/2009	JAS
1,2,4-Trichlorobenzene	U	µg/kg	390	1	VA09E12B	5/6/2009	5/13/2009	JAS
1,1,1-Trichloroethane	U	µg/kg	59	1	VA09E12B	5/6/2009	5/13/2009	JAS
1,1,2-Trichloroethane	U	µg/kg	59	1	VA09E12B	5/6/2009	5/13/2009	JAS
Trichloroethene	U	µg/kg	59	1	VA09E12B	5/6/2009	5/13/2009	JAS
Trichlorofluoromethane	U	µg/kg	120	1	VA09E12B	5/6/2009	5/13/2009	JAS
1,2,3-Trichloropropane	U	µg/kg	120	1	VA09E12B	5/6/2009	5/13/2009	JAS
1,2,3-Trimethylbenzene	U	µg/kg	120	1	VA09E12B	5/6/2009	5/13/2009	JAS
1,2,4-Trimethylbenzene	U	µg/kg	120	1	VA09E12B	5/6/2009	5/13/2009	JAS
1,3,5-Trimethylbenzene	U	µg/kg	120	1	VA09E12B	5/6/2009	5/13/2009	JAS
Vinyl Chloride	U	µg/kg	47	1	VA09E12B	5/6/2009	5/13/2009	JAS
Xylenes	U	µg/kg	180	1	VA09E12B	5/6/2009	5/13/2009	JAS

Fibertec environmental services

Analytical Laboratory Report

Client Identification:	**AKT Peerless Environ. Svcs, Inc. - Detroit**	Sample Matrix:	**Soil/Solid**
Fibertec Project Number:	**34020**	Sample Number:	**34020-008A**

Client Sample Information

Project Identification:	**Van Dyke**	Client Sample Description:	**SB-6 (2-4)**
Project Number:	**6101D-2-20**	Client Sample Number:	**8**
Sample Date:	**5/6/2009**	Chain of Custody Number:	**90254**

Comments: **All Results Reported On Dry Weight Basis. Percent Moisture = 14.8%.**

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*: Value reported is outside QA limits

Analyte	Result	Units	Report Limit	Dilution Factor	Prep Batch	Prep Date/Time	Analysis Date/Time	Analyst
Dry Weight Determination (ASTM D 2974-87)								
Percent Moisture (Water Content)	**15**	%	0.1	1	MC090511	5/12/2009	5/13/2009	BMG
Michigan 10 Elements by ICP/MS (EPA 3050B/EPA 6020)								
Arsenic	**4800**	µg/kg	100	1	PT09E13E	5/13/2009	5/14/2009	JLH
Barium	**59000**	µg/kg	1000	1	PT09E13E	5/13/2009	5/14/2009	JLH
Cadmium	**330**	µg/kg	50	1	PT09E13E	5/13/2009	5/14/2009	JLH
Chromium	**9500**	µg/kg	500	1	PT09E13E	5/13/2009	5/14/2009	JLH
Copper	**13000**	µg/kg	1000	1	PT09E13E	5/13/2009	5/14/2009	JLH
Lead	**96000**	µg/kg	1000	1	PT09E13E	5/13/2009	5/14/2009	JLH
Selenium	**260**	µg/kg	200	1	PT09E13E	5/13/2009	5/14/2009	JLH
Silver	**U**	µg/kg	100	1	PT09E13E	5/13/2009	5/14/2009	JLH
Zinc	**100000**	µg/kg	1000	1	PT09E13E	5/13/2009	5/14/2009	JLH
Mercury by CVAAS (EPA 7471A)								
Mercury	**62**	µg/kg	59	1	PM09E11A	5/11/2009	5/11/2009	JLH
Polychlorinated Biphenyls (PCBs) (EPA 3550B/EPA 8082)								
Aroclor-1016	**U**	µg/kg	390	1	PS09E13E	5/13/2009	5/14/2009	BDA
Aroclor-1221	**U**	µg/kg	390	1	PS09E13E	5/13/2009	5/14/2009	BDA
Aroclor-1232	**U**	µg/kg	390	1	PS09E13E	5/13/2009	5/14/2009	BDA
Aroclor-1242	**U**	µg/kg	390	1	PS09E13E	5/13/2009	5/14/2009	BDA
Aroclor-1248	**U**	µg/kg	390	1	PS09E13E	5/13/2009	5/14/2009	BDA
Aroclor-1254	**U**	µg/kg	390	1	PS09E13E	5/13/2009	5/14/2009	BDA
Aroclor-1260	**U**	µg/kg	390	1	PS09E13E	5/13/2009	5/14/2009	BDA

Fibertec environmental services

Analytical Laboratory Report

Client Identification:	**AKT Peerless Environ. Svcs, Inc. - Detroit**	Sample Matrix:	**Soil/Solid**
Fibertec Project Number:	**34020**	Sample Number:	**34020-008A**

Client Sample Information

Project Identification:	**Van Dyke**	Client Sample Description:	**SB-6 (2-4)**
Project Number:	**6101D-2-20**	Client Sample Number:	**8**
Sample Date:	**5/6/2009**	Chain of Custody Number:	**90254**

Comments: **All Results Reported On Dry Weight Basis. Percent Moisture = 14.8%.**

Definitions/ Qualifiers:
A: Spike recovery or precision unusable due to dilution.
B: The analyte was detected in the associated method blank.
E: The analyte was detected at a concentration greater than the calibration range, therefore the result is estimated.
J: The concentration is an estimated value.
U: The analyte was not detected at or above the reporting limit.
X: Matrix Interference has resulted in a raised reporting limit or distorted result.
W: Results reported on a wet-weight basis.
*: Value reported is outside QA limits

Analyte	Result	Units	Report Limit	Dilution Factor	Prep Batch	Prep Date/Time	Analysis Date/Time	Analyst
Polychlorinated Biphenyls (PCBs) (EPA 3550B/EPA 8082)								
Aroclor-1262	U	µg/kg	390	1	PS09E13E	5/13/2009	5/14/2009	BDA
Aroclor-1268	U	µg/kg	390	1	PS09E13E	5/13/2009	5/14/2009	BDA
Polynuclear Aromatic Hydrocarbons (PNAs) (EPA 3550B/EPA 8270C)								
Acenaphthene	U	µg/kg	390	1	PS09E13E	5/13/2009	5/14/2009	BDA
Acenaphthylene	U	µg/kg	390	1	PS09E13E	5/13/2009	5/14/2009	BDA
Anthracene	U	µg/kg	390	1	PS09E13E	5/13/2009	5/14/2009	BDA
Benzo(a)anthracene	U	µg/kg	390	1	PS09E13E	5/13/2009	5/14/2009	BDA
Benzo(a)pyrene	U	µg/kg	390	1	PS09E13E	5/13/2009	5/14/2009	BDA
Benzo(b)fluoranthene	U	µg/kg	390	1	PS09E13E	5/13/2009	5/14/2009	BDA
Benzo(ghi)perylene	U	µg/kg	390	1	PS09E13E	5/13/2009	5/14/2009	BDA
Benzo(k)fluoranthene	U	µg/kg	390	1	PS09E13E	5/13/2009	5/14/2009	BDA
Chrysene	U	µg/kg	390	1	PS09E13E	5/13/2009	5/14/2009	BDA
Dibenzo(a,h)anthracene	U	µg/kg	390	1	PS09E13E	5/13/2009	5/14/2009	BDA
Fluoranthene	**470**	µg/kg	390	1	PS09E13E	5/13/2009	5/14/2009	BDA
Fluorene	U	µg/kg	390	1	PS09E13E	5/13/2009	5/14/2009	BDA
Indeno(1,2,3-cd)pyrene	U	µg/kg	390	1	PS09E13E	5/13/2009	5/14/2009	BDA
2-Methylnaphthalene	U	µg/kg	390	1	PS09E13E	5/13/2009	5/14/2009	BDA
Phenanthrene	U	µg/kg	390	1	PS09E13E	5/13/2009	5/14/2009	BDA
Pyrene	U	µg/kg	390	1	PS09E13E	5/13/2009	5/14/2009	BDA

Fibertec environmental services

Analytical Laboratory Report

Client Identification:	**AKT Peerless Environ. Svcs, Inc. - Detroit**	Sample Matrix:	**Soil/Solid**
Fibertec Project Number:	**34020**	Sample Number:	**34020-009**

Client Sample Information

Project Identification:	**Van Dyke**	Client Sample Description:	**SB-7 (0.5-1)**
Project Number:	**6101D-2-20**	Client Sample Number:	**9**
Sample Date:	**5/6/2009**	Chain of Custody Number:	**90254**

Comments: **All Results Reported On Dry Weight Basis. Percent Moisture = 18.8%.**

Definitions/ Qualifiers:
A: Spike recovery or precision unusable due to dilution.
B: The analyte was detected in the associated method blank.
E: The analyte was detected at a concentration greater than the calibration range, therefore the result is estimated.
J: The concentration is an estimated value.
U: The analyte was not detected at or above the reporting limit.
X: Matrix Interference has resulted in a raised reporting limit or distorted result.
W: Results reported on a wet-weight basis.
*: Value reported is outside QA limits

Analyte	Result	Units	Report Limit	Dilution Factor	Prep Batch	Prep Date/Time	Analysis Date/Time	Analyst
Volatile Organic Compounds (VOCs) by GC/MS, 5035 (EPA 5035/EPA 8260B)								
Acetone	U	µg/kg	1200	1	VA09E12B	5/6/2009	5/13/2009	JAS
Acrylonitrile	U	µg/kg	120	1	VA09E12B	5/6/2009	5/13/2009	JAS
Benzene	U	µg/kg	62	1	VA09E12B	5/6/2009	5/13/2009	JAS
Bromobenzene	U	µg/kg	120	1	VA09E12B	5/6/2009	5/13/2009	JAS
Bromochloromethane	U	µg/kg	120	1	VA09E12B	5/6/2009	5/13/2009	JAS
Bromodichloromethane	U	µg/kg	120	1	VA09E12B	5/6/2009	5/13/2009	JAS
Bromoform	U	µg/kg	120	1	VA09E12B	5/6/2009	5/13/2009	JAS
Bromomethane	U	µg/kg	250	1	VA09E12B	5/6/2009	5/13/2009	JAS
2-Butanone	U	µg/kg	920	1	VA09E12B	5/6/2009	5/13/2009	JAS
n-Butylbenzene	U	µg/kg	62	1	VA09E12B	5/6/2009	5/13/2009	JAS
sec-Butylbenzene	U	µg/kg	62	1	VA09E12B	5/6/2009	5/13/2009	JAS
tert-Butylbenzene	U	µg/kg	62	1	VA09E12B	5/6/2009	5/13/2009	JAS
Carbon Disulfide	U	µg/kg	310	1	VA09E12B	5/6/2009	5/13/2009	JAS
Carbon Tetrachloride	U	µg/kg	62	1	VA09E12B	5/6/2009	5/13/2009	JAS
Chlorobenzene	U	µg/kg	62	1	VA09E12B	5/6/2009	5/13/2009	JAS
Chloroethane	U	µg/kg	310	1	VA09E12B	5/6/2009	5/13/2009	JAS
Chloroform	U	µg/kg	62	1	VA09E12B	5/6/2009	5/13/2009	JAS
Chloromethane	U	µg/kg	310	1	VA09E12B	5/6/2009	5/13/2009	JAS
2-Chlorotoluene	U	µg/kg	62	1	VA09E12B	5/6/2009	5/13/2009	JAS
Dibromochloromethane	U	µg/kg	120	1	VA09E12B	5/6/2009	5/13/2009	JAS

Fibertec environmental services

Analytical Laboratory Report

Client Identification:	**AKT Peerless Environ. Svcs, Inc. - Detroit**	Sample Matrix:	**Soil/Solid**
Fibertec Project Number:	**34020**	Sample Number:	**34020-009**

Client Sample Information

Project Identification:	**Van Dyke**	Client Sample Description:	**SB-7 (0.5-1)**
Project Number:	**6101D-2-20**	Client Sample Number:	**9**
Sample Date:	**5/6/2009**	Chain of Custody Number:	**90254**

Comments: **All Results Reported On Dry Weight Basis. Percent Moisture = 18.8%.**

Definitions/ Qualifiers:
A: Spike recovery or precision unusable due to dilution.
B: The analyte was detected in the associated method blank.
E: The analyte was detected at a concentration greater than the calibration range, therefore the result is estimated.
J: The concentration is an estimated value.
U: The analyte was not detected at or above the reporting limit.
X: Matrix Interference has resulted in a raised reporting limit or distorted result.
W: Results reported on a wet-weight basis.
*: Value reported is outside QA limits

Analyte	Result	Units	Report Limit	Dilution Factor	Prep Batch	Prep Date/Time	Analysis Date/Time	Analyst
Volatile Organic Compounds (VOCs) by GC/MS, 5035 (EPA 5035/EPA 8260B)								
1,2-Dibromo-3-chloropropane	U	µg/kg	12	1	VA09E12B	5/6/2009	5/13/2009	JAS
Dibromomethane	U	µg/kg	310	1	VA09E12B	5/6/2009	5/13/2009	JAS
1,2-Dichlorobenzene	U	µg/kg	120	1	VA09E12B	5/6/2009	5/13/2009	JAS
1,3-Dichlorobenzene	U	µg/kg	120	1	VA09E12B	5/6/2009	5/13/2009	JAS
1,4-Dichlorobenzene	U	µg/kg	120	1	VA09E12B	5/6/2009	5/13/2009	JAS
Dichlorodifluoromethane	U	µg/kg	310	1	VA09E12B	5/6/2009	5/13/2009	JAS
1,1-Dichloroethane	U	µg/kg	62	1	VA09E12B	5/6/2009	5/13/2009	JAS
1,2-Dichloroethane	U	µg/kg	62	1	VA09E12B	5/6/2009	5/13/2009	JAS
1,1-Dichloroethene	U	µg/kg	37	1	VA09E12B	5/6/2009	5/13/2009	JAS
cis-1,2-Dichloroethene	U	µg/kg	62	1	VA09E12B	5/6/2009	5/13/2009	JAS
trans-1,2-Dichloroethene	U	µg/kg	62	1	VA09E12B	5/6/2009	5/13/2009	JAS
1,2-Dichloropropane	U	µg/kg	62	1	VA09E12B	5/6/2009	5/13/2009	JAS
cis-1,3-Dichloropropene	U	µg/kg	62	1	VA09E12B	5/6/2009	5/13/2009	JAS
trans-1,3-Dichloropropene	U	µg/kg	62	1	VA09E12B	5/6/2009	5/13/2009	JAS
Ethylbenzene	U	µg/kg	62	1	VA09E12B	5/6/2009	5/13/2009	JAS
Ethylene Dibromide	U	µg/kg	25	1	VA09E12B	5/6/2009	5/13/2009	JAS
2-Hexanone	U	µg/kg	3100	1	VA09E12B	5/6/2009	5/13/2009	JAS
Methyl Iodide	U	µg/kg	120	1	VA09E12B	5/6/2009	5/13/2009	JAS
Isopropylbenzene	U	µg/kg	310	1	VA09E12B	5/6/2009	5/13/2009	JAS
4-Methyl-2-pentanone	U	µg/kg	3100	1	VA09E12B	5/6/2009	5/13/2009	JAS

Fibertec environmental services

Analytical Laboratory Report

Client Identification:	**AKT Peerless Environ. Svcs, Inc. - Detroit**	Sample Matrix:	**Soil/Solid**
Fibertec Project Number:	**34020**	Sample Number:	**34020-009**

Client Sample Information

Project Identification:	**Van Dyke**	Client Sample Description:	**SB-7 (0.5-1)**
Project Number:	**6101D-2-20**	Client Sample Number:	**9**
Sample Date:	**5/6/2009**	Chain of Custody Number:	**90254**

Comments: **All Results Reported On Dry Weight Basis. Percent Moisture = 18.8%.**

Definitions/ Qualifiers:
A: Spike recovery or precision unusable due to dilution.
B: The analyte was detected in the associated method blank.
E: The analyte was detected at a concentration greater than the calibration range, therefore the result is estimated.
J: The concentration is an estimated value.
U: The analyte was not detected at or above the reporting limit.
X: Matrix Interference has resulted in a raised reporting limit or distorted result.
W: Results reported on a wet-weight basis.
*: Value reported is outside QA limits

Analyte	Result	Units	Report Limit	Dilution Factor	Prep Batch	Prep Date/Time	Analysis Date/Time	Analyst
Volatile Organic Compounds (VOCs) by GC/MS, 5035 (EPA 5035/EPA 8260B)								
Methylene Chloride	U	µg/kg	120	1	VA09E12B	5/6/2009	5/13/2009	JAS
2-Methylnaphthalene	U	µg/kg	410	1	VA09E12B	5/6/2009	5/13/2009	JAS
MTBE	U	µg/kg	310	1	VA09E12B	5/6/2009	5/13/2009	JAS
Naphthalene	U	µg/kg	410	1	VA09E12B	5/6/2009	5/13/2009	JAS
n-Propylbenzene	U	µg/kg	120	1	VA09E12B	5/6/2009	5/13/2009	JAS
Styrene	U	µg/kg	62	1	VA09E12B	5/6/2009	5/13/2009	JAS
1,1,1,2-Tetrachloroethane	U	µg/kg	120	1	VA09E12B	5/6/2009	5/13/2009	JAS
1,1,2,2-Tetrachloroethane	U	µg/kg	62	1	VA09E12B	5/6/2009	5/13/2009	JAS
Tetrachloroethene	U	µg/kg	62	1	VA09E12B	5/6/2009	5/13/2009	JAS
Toluene	U	µg/kg	62	1	VA09E12B	5/6/2009	5/13/2009	JAS
1,2,4-Trichlorobenzene	U	µg/kg	410	1	VA09E12B	5/6/2009	5/13/2009	JAS
1,1,1-Trichloroethane	U	µg/kg	62	1	VA09E12B	5/6/2009	5/13/2009	JAS
1,1,2-Trichloroethane	U	µg/kg	62	1	VA09E12B	5/6/2009	5/13/2009	JAS
Trichloroethene	U	µg/kg	62	1	VA09E12B	5/6/2009	5/13/2009	JAS
Trichlorofluoromethane	U	µg/kg	120	1	VA09E12B	5/6/2009	5/13/2009	JAS
1,2,3-Trichloropropane	U	µg/kg	120	1	VA09E12B	5/6/2009	5/13/2009	JAS
1,2,3-Trimethylbenzene	U	µg/kg	120	1	VA09E12B	5/6/2009	5/13/2009	JAS
1,2,4-Trimethylbenzene	U	µg/kg	120	1	VA09E12B	5/6/2009	5/13/2009	JAS
1,3,5-Trimethylbenzene	U	µg/kg	120	1	VA09E12B	5/6/2009	5/13/2009	JAS
Vinyl Chloride	U	µg/kg	49	1	VA09E12B	5/6/2009	5/13/2009	JAS

Fibertec environmental services

Analytical Laboratory Report

Client Identification:	**AKT Peerless Environ. Svcs, Inc. - Detroit**	Sample Matrix:	**Soil/Solid**
Fibertec Project Number:	**34020**	Sample Number:	**34020-009**

Client Sample Information

Project Identification:	**Van Dyke**	Client Sample Description:	**SB-7 (0.5-1)**
Project Number:	**6101D-2-20**	Client Sample Number:	**9**
Sample Date:	**5/6/2009**	Chain of Custody Number:	**90254**

Comments: **All Results Reported On Dry Weight Basis. Percent Moisture = 18.8%.**

Definitions/ Qualifiers:
A: Spike recovery or precision unusable due to dilution.
B: The analyte was detected in the associated method blank.
E: The analyte was detected at a concentration greater than the calibration range, therefore the result is estimated.
J: The concentration is an estimated value.
U: The analyte was not detected at or above the reporting limit.
X: Matrix Interference has resulted in a raised reporting limit or distorted result.
W: Results reported on a wet-weight basis.
*: Value reported is outside QA limits

Analyte	Result	Units	Report Limit	Dilution Factor	Prep Batch	Prep Date/Time	Analysis Date/Time	Analyst
Volatile Organic Compounds (VOCs) by GC/MS, 5035 (EPA 5035/EPA 8260B)								
Xylenes	**U**	µg/kg	180	1	VA09E12B	5/6/2009	5/13/2009	JAS

Fibertec environmental services

Analytical Laboratory Report

Client Identification:	**AKT Peerless Environ. Svcs, Inc. - Detroit**	Sample Matrix:	**Soil/Solid**
Fibertec Project Number:	**34020**	Sample Number:	**34020-009A**

Client Sample Information

Project Identification:	**Van Dyke**	Client Sample Description:	**SB-7 (0.5-1)**
Project Number:	**6101D-2-20**	Client Sample Number:	**9**
Sample Date:	**5/6/2009**	Chain of Custody Number:	**90254**

Comments: **All Results Reported On Dry Weight Basis. Percent Moisture = 18.8%.**

Definitions/ Qualifiers:
A: Spike recovery or precision unusable due to dilution.
B: The analyte was detected in the associated method blank.
E: The analyte was detected at a concentration greater than the calibration range, therefore the result is estimated.
J: The concentration is an estimated value.
U: The analyte was not detected at or above the reporting limit.
X: Matrix Interference has resulted in a raised reporting limit or distorted result.
W: Results reported on a wet-weight basis.
*: Value reported is outside QA limits

Analyte	Result	Units	Report Limit	Dilution Factor	Prep Batch	Prep Date/Time	Analysis Date/Time	Analyst
Dry Weight Determination (ASTM D 2974-87)								
Percent Moisture (Water Content)	**19**	%	0.1	1	MC090511	5/12/2009	5/13/2009	BMG

Fibertec environmental services

Analytical Laboratory Report

Client Identification:	**AKT Peerless Environ. Svcs, Inc. - Detroit**	Sample Matrix:	**Soil/Solid**
Fibertec Project Number:	**34020**	Sample Number:	**34020-010**

Client Sample Information

Project Identification:	**Van Dyke**	Client Sample Description:	**SB-7 (8-10)**
Project Number:	**6101D-2-20**	Client Sample Number:	**10**
Sample Date:	**5/6/2009**	Chain of Custody Number:	**90254**

Comments: **All Results Reported On Dry Weight Basis. Percent Moisture = 10.8%.**

Definitions/ Qualifiers:
A: Spike recovery or precision unusable due to dilution.
B: The analyte was detected in the associated method blank.
E: The analyte was detected at a concentration greater than the calibration range, therefore the result is estimated.
J: The concentration is an estimated value.
U: The analyte was not detected at or above the reporting limit.
X: Matrix Interference has resulted in a raised reporting limit or distorted result.
W: Results reported on a wet-weight basis.
*: Value reported is outside QA limits

Analyte	Result	Units	Report Limit	Dilution Factor	Prep Batch	Prep Date/Time	Analysis Date/Time	Analyst
Volatile Organic Compounds (VOCs) by GC/MS, 5035 (EPA 5035/EPA 8260B)								
Acetone	U	µg/kg	1100	1	VA09E12B	5/6/2009	5/13/2009	JAS
Acrylonitrile	U	µg/kg	110	1	VA09E12B	5/6/2009	5/13/2009	JAS
Benzene	U	µg/kg	56	1	VA09E12B	5/6/2009	5/13/2009	JAS
Bromobenzene	U	µg/kg	110	1	VA09E12B	5/6/2009	5/13/2009	JAS
Bromochloromethane	U	µg/kg	110	1	VA09E12B	5/6/2009	5/13/2009	JAS
Bromodichloromethane	U	µg/kg	110	1	VA09E12B	5/6/2009	5/13/2009	JAS
Bromoform	U	µg/kg	110	1	VA09E12B	5/6/2009	5/13/2009	JAS
Bromomethane	U	µg/kg	220	1	VA09E12B	5/6/2009	5/13/2009	JAS
2-Butanone	U	µg/kg	840	1	VA09E12B	5/6/2009	5/13/2009	JAS
n-Butylbenzene	U	µg/kg	56	1	VA09E12B	5/6/2009	5/13/2009	JAS
sec-Butylbenzene	U	µg/kg	56	1	VA09E12B	5/6/2009	5/13/2009	JAS
tert-Butylbenzene	U	µg/kg	56	1	VA09E12B	5/6/2009	5/13/2009	JAS
Carbon Disulfide	U	µg/kg	280	1	VA09E12B	5/6/2009	5/13/2009	JAS
Carbon Tetrachloride	U	µg/kg	56	1	VA09E12B	5/6/2009	5/13/2009	JAS
Chlorobenzene	U	µg/kg	56	1	VA09E12B	5/6/2009	5/13/2009	JAS
Chloroethane	U	µg/kg	280	1	VA09E12B	5/6/2009	5/13/2009	JAS
Chloroform	U	µg/kg	56	1	VA09E12B	5/6/2009	5/13/2009	JAS
Chloromethane	U	µg/kg	280	1	VA09E12B	5/6/2009	5/13/2009	JAS
2-Chlorotoluene	U	µg/kg	56	1	VA09E12B	5/6/2009	5/13/2009	JAS
Dibromochloromethane	U	µg/kg	110	1	VA09E12B	5/6/2009	5/13/2009	JAS

Fibertec environmental services

Analytical Laboratory Report

Client Identification:	**AKT Peerless Environ. Svcs, Inc. - Detroit**	Sample Matrix:	**Soil/Solid**
Fibertec Project Number:	**34020**	Sample Number:	**34020-010**

Client Sample Information

Project Identification:	**Van Dyke**	Client Sample Description:	**SB-7 (8-10)**
Project Number:	**6101D-2-20**	Client Sample Number:	**10**
Sample Date:	**5/6/2009**	Chain of Custody Number:	**90254**

Comments: **All Results Reported On Dry Weight Basis. Percent Moisture = 10.8%.**

Definitions/ Qualifiers:
A: Spike recovery or precision unusable due to dilution.
B: The analyte was detected in the associated method blank.
E: The analyte was detected at a concentration greater than the calibration range, therefore the result is estimated.
J: The concentration is an estimated value.
U: The analyte was not detected at or above the reporting limit.
X: Matrix Interference has resulted in a raised reporting limit or distorted result.
W: Results reported on a wet-weight basis.
*: Value reported is outside QA limits

Analyte	Result	Units	Report Limit	Dilution Factor	Prep Batch	Prep Date/Time	Analysis Date/Time	Analyst
Volatile Organic Compounds (VOCs) by GC/MS, 5035 (EPA 5035/EPA 8260B)								
1,2-Dibromo-3-chloropropane	U	µg/kg	11	1	VA09E12B	5/6/2009	5/13/2009	JAS
Dibromomethane	U	µg/kg	280	1	VA09E12B	5/6/2009	5/13/2009	JAS
1,2-Dichlorobenzene	U	µg/kg	110	1	VA09E12B	5/6/2009	5/13/2009	JAS
1,3-Dichlorobenzene	U	µg/kg	110	1	VA09E12B	5/6/2009	5/13/2009	JAS
1,4-Dichlorobenzene	U	µg/kg	110	1	VA09E12B	5/6/2009	5/13/2009	JAS
Dichlorodifluoromethane	U	µg/kg	280	1	VA09E12B	5/6/2009	5/13/2009	JAS
1,1-Dichloroethane	U	µg/kg	56	1	VA09E12B	5/6/2009	5/13/2009	JAS
1,2-Dichloroethane	U	µg/kg	56	1	VA09E12B	5/6/2009	5/13/2009	JAS
1,1-Dichloroethene	U	µg/kg	34	1	VA09E12B	5/6/2009	5/13/2009	JAS
cis-1,2-Dichloroethene	U	µg/kg	56	1	VA09E12B	5/6/2009	5/13/2009	JAS
trans-1,2-Dichloroethene	U	µg/kg	56	1	VA09E12B	5/6/2009	5/13/2009	JAS
1,2-Dichloropropane	U	µg/kg	56	1	VA09E12B	5/6/2009	5/13/2009	JAS
cis-1,3-Dichloropropene	U	µg/kg	56	1	VA09E12B	5/6/2009	5/13/2009	JAS
trans-1,3-Dichloropropene	U	µg/kg	56	1	VA09E12B	5/6/2009	5/13/2009	JAS
Ethylbenzene	U	µg/kg	56	1	VA09E12B	5/6/2009	5/13/2009	JAS
Ethylene Dibromide	U	µg/kg	22	1	VA09E12B	5/6/2009	5/13/2009	JAS
2-Hexanone	U	µg/kg	2800	1	VA09E12B	5/6/2009	5/13/2009	JAS
Methyl Iodide	U	µg/kg	110	1	VA09E12B	5/6/2009	5/13/2009	JAS
Isopropylbenzene	U	µg/kg	280	1	VA09E12B	5/6/2009	5/13/2009	JAS
4-Methyl-2-pentanone	U	µg/kg	2800	1	VA09E12B	5/6/2009	5/13/2009	JAS

Fibertec environmental services

Analytical Laboratory Report

Client Identification:	**AKT Peerless Environ. Svcs, Inc. - Detroit**	Sample Matrix:	**Soil/Solid**
Fibertec Project Number:	**34020**	Sample Number:	**34020-010**

Client Sample Information

Project Identification:	**Van Dyke**	Client Sample Description:	**SB-7 (8-10)**
Project Number:	**6101D-2-20**	Client Sample Number:	**10**
Sample Date:	**5/6/2009**	Chain of Custody Number:	**90254**

Comments: **All Results Reported On Dry Weight Basis. Percent Moisture = 10.8%.**

Definitions/ Qualifiers:
A: Spike recovery or precision unusable due to dilution.
B: The analyte was detected in the associated method blank.
E: The analyte was detected at a concentration greater than the calibration range, therefore the result is estimated.
J: The concentration is an estimated value.
U: The analyte was not detected at or above the reporting limit.
X: Matrix Interference has resulted in a raised reporting limit or distorted result.
W: Results reported on a wet-weight basis.
*: Value reported is outside QA limits

Analyte	Result	Units	Report Limit	Dilution Factor	Prep Batch	Prep Date/Time	Analysis Date/Time	Analyst
Volatile Organic Compounds (VOCs) by GC/MS, 5035 (EPA 5035/EPA 8260B)								
Methylene Chloride	U	µg/kg	110	1	VA09E12B	5/6/2009	5/13/2009	JAS
2-Methylnaphthalene	U	µg/kg	370	1	VA09E12B	5/6/2009	5/13/2009	JAS
MTBE	U	µg/kg	280	1	VA09E12B	5/6/2009	5/13/2009	JAS
Naphthalene	U	µg/kg	370	1	VA09E12B	5/6/2009	5/13/2009	JAS
n-Propylbenzene	U	µg/kg	110	1	VA09E12B	5/6/2009	5/13/2009	JAS
Styrene	U	µg/kg	56	1	VA09E12B	5/6/2009	5/13/2009	JAS
1,1,1,2-Tetrachloroethane	U	µg/kg	110	1	VA09E12B	5/6/2009	5/13/2009	JAS
1,1,2,2-Tetrachloroethane	U	µg/kg	56	1	VA09E12B	5/6/2009	5/13/2009	JAS
Tetrachloroethene	U	µg/kg	56	1	VA09E12B	5/6/2009	5/13/2009	JAS
Toluene	U	µg/kg	56	1	VA09E12B	5/6/2009	5/13/2009	JAS
1,2,4-Trichlorobenzene	U	µg/kg	370	1	VA09E12B	5/6/2009	5/13/2009	JAS
1,1,1-Trichloroethane	U	µg/kg	56	1	VA09E12B	5/6/2009	5/13/2009	JAS
1,1,2-Trichloroethane	U	µg/kg	56	1	VA09E12B	5/6/2009	5/13/2009	JAS
Trichloroethene	U	µg/kg	56	1	VA09E12B	5/6/2009	5/13/2009	JAS
Trichlorofluoromethane	U	µg/kg	110	1	VA09E12B	5/6/2009	5/13/2009	JAS
1,2,3-Trichloropropane	U	µg/kg	110	1	VA09E12B	5/6/2009	5/13/2009	JAS
1,2,3-Trimethylbenzene	U	µg/kg	110	1	VA09E12B	5/6/2009	5/13/2009	JAS
1,2,4-Trimethylbenzene	U	µg/kg	110	1	VA09E12B	5/6/2009	5/13/2009	JAS
1,3,5-Trimethylbenzene	U	µg/kg	110	1	VA09E12B	5/6/2009	5/13/2009	JAS
Vinyl Chloride	U	µg/kg	45	1	VA09E12B	5/6/2009	5/13/2009	JAS

Fibertec environmental services

Analytical Laboratory Report

Client Identification:	**AKT Peerless Environ. Svcs, Inc. - Detroit**	Sample Matrix:	**Soil/Solid**
Fibertec Project Number:	**34020**	Sample Number:	**34020-010**

Client Sample Information

Project Identification:	**Van Dyke**	Client Sample Description:	**SB-7 (8-10)**
Project Number:	**6101D-2-20**	Client Sample Number:	**10**
Sample Date:	**5/6/2009**	Chain of Custody Number:	**90254**

Comments: **All Results Reported On Dry Weight Basis. Percent Moisture = 10.8%.**

Definitions/ Qualifiers:
A: Spike recovery or precision unusable due to dilution.
B: The analyte was detected in the associated method blank.
E: The analyte was detected at a concentration greater than the calibration range, therefore the result is estimated.
J: The concentration is an estimated value.
U: The analyte was not detected at or above the reporting limit.
X: Matrix Interference has resulted in a raised reporting limit or distorted result.
W: Results reported on a wet-weight basis.
*: Value reported is outside QA limits

Analyte	Result	Units	Report Limit	Dilution Factor	Prep Batch	Prep Date/Time	Analysis Date/Time	Analyst
Volatile Organic Compounds (VOCs) by GC/MS, 5035 (EPA 5035/EPA 8260B)								
Xylenes	**U**	µg/kg	170	1	VA09E12B	5/6/2009	5/13/2009	JAS

Fibertec environmental services

Analytical Laboratory Report

Client Identification:	**AKT Peerless Environ. Svcs, Inc. - Detroit**	Sample Matrix:	**Soil/Solid**
Fibertec Project Number:	**34020**	Sample Number:	**34020-010A**

Client Sample Information

Project Identification:	**Van Dyke**	Client Sample Description:	**SB-7 (8-10)**
Project Number:	**6101D-2-20**	Client Sample Number:	**10**
Sample Date:	**5/6/2009**	Chain of Custody Number:	**90254**

Comments: **All Results Reported On Dry Weight Basis. Percent Moisture = 10.8%.**

Definitions/ Qualifiers:
A: Spike recovery or precision unusable due to dilution.
B: The analyte was detected in the associated method blank.
E: The analyte was detected at a concentration greater than the calibration range, therefore the result is estimated.
J: The concentration is an estimated value.
U: The analyte was not detected at or above the reporting limit.
X: Matrix Interference has resulted in a raised reporting limit or distorted result.
W: Results reported on a wet-weight basis.
*: Value reported is outside QA limits

Analyte	Result	Units	Report Limit	Dilution Factor	Prep Batch	Prep Date/Time	Analysis Date/Time	Analyst
Dry Weight Determination (ASTM D 2974-87)								
Percent Moisture (Water Content)	**11**	%	0.1	1	MC090511	5/12/2009	5/13/2009	BMG

Fibertec environmental services

Analytical Laboratory Report

Client Identification:	**AKT Peerless Environ. Svcs, Inc. - Detroit**	Sample Matrix:	**Soil/Solid**
Fibertec Project Number:	**34020**	Sample Number:	**34020-012**

Client Sample Information

Project Identification:	**Van Dyke**	Client Sample Description:	**SB-8 (4-6)**
Project Number:	**6101D-2-20**	Client Sample Number:	**12**
Sample Date:	**5/6/2009**	Chain of Custody Number:	**90255**

Comments: **All Results Reported On Dry Weight Basis. Percent Moisture = 21.3%.**

Definitions/ Qualifiers:
A: Spike recovery or precision unusable due to dilution.
B: The analyte was detected in the associated method blank.
E: The analyte was detected at a concentration greater than the calibration range, therefore the result is estimated.
J: The concentration is an estimated value.
U: The analyte was not detected at or above the reporting limit.
X: Matrix Interference has resulted in a raised reporting limit or distorted result.
W: Results reported on a wet-weight basis.
*: Value reported is outside QA limits

Analyte	Result	Units	Report Limit	Dilution Factor	Prep Batch	Prep Date/Time	Analysis Date/Time	Analyst
Volatile Organic Compounds (VOCs) by GC/MS, 5035 (EPA 5035/EPA 8260B)								
Acetone	U	µg/kg	1300	1	VA09E12B	5/6/2009	5/13/2009	JAS
Acrylonitrile	U	µg/kg	130	1	VA09E12B	5/6/2009	5/13/2009	JAS
Benzene	U	µg/kg	64	1	VA09E12B	5/6/2009	5/13/2009	JAS
Bromobenzene	U	µg/kg	130	1	VA09E12B	5/6/2009	5/13/2009	JAS
Bromochloromethane	U	µg/kg	130	1	VA09E12B	5/6/2009	5/13/2009	JAS
Bromodichloromethane	U	µg/kg	130	1	VA09E12B	5/6/2009	5/13/2009	JAS
Bromoform	U	µg/kg	130	1	VA09E12B	5/6/2009	5/13/2009	JAS
Bromomethane	U	µg/kg	250	1	VA09E12B	5/6/2009	5/13/2009	JAS
2-Butanone	U	µg/kg	950	1	VA09E12B	5/6/2009	5/13/2009	JAS
n-Butylbenzene	U	µg/kg	64	1	VA09E12B	5/6/2009	5/13/2009	JAS
sec-Butylbenzene	U	µg/kg	64	1	VA09E12B	5/6/2009	5/13/2009	JAS
tert-Butylbenzene	U	µg/kg	64	1	VA09E12B	5/6/2009	5/13/2009	JAS
Carbon Disulfide	U	µg/kg	320	1	VA09E12B	5/6/2009	5/13/2009	JAS
Carbon Tetrachloride	U	µg/kg	64	1	VA09E12B	5/6/2009	5/13/2009	JAS
Chlorobenzene	U	µg/kg	64	1	VA09E12B	5/6/2009	5/13/2009	JAS
Chloroethane	U	µg/kg	320	1	VA09E12B	5/6/2009	5/13/2009	JAS
Chloroform	U	µg/kg	64	1	VA09E12B	5/6/2009	5/13/2009	JAS
Chloromethane	U	µg/kg	320	1	VA09E12B	5/6/2009	5/13/2009	JAS
2-Chlorotoluene	U	µg/kg	64	1	VA09E12B	5/6/2009	5/13/2009	JAS
Dibromochloromethane	U	µg/kg	130	1	VA09E12B	5/6/2009	5/13/2009	JAS

Fibertec environmental services

Analytical Laboratory Report

Client Identification:	**AKT Peerless Environ. Svcs, Inc. - Detroit**	Sample Matrix:	**Soil/Solid**
Fibertec Project Number:	**34020**	Sample Number:	**34020-012**

Client Sample Information

Project Identification:	**Van Dyke**	Client Sample Description:	**SB-8 (4-6)**
Project Number:	**6101D-2-20**	Client Sample Number:	**12**
Sample Date:	**5/6/2009**	Chain of Custody Number:	**90255**

Comments: **All Results Reported On Dry Weight Basis. Percent Moisture = 21.3%.**

Definitions/ Qualifiers:
A: Spike recovery or precision unusable due to dilution.
B: The analyte was detected in the associated method blank.
E: The analyte was detected at a concentration greater than the calibration range, therefore the result is estimated.
J: The concentration is an estimated value.
U: The analyte was not detected at or above the reporting limit.
X: Matrix Interference has resulted in a raised reporting limit or distorted result.
W: Results reported on a wet-weight basis.
*: Value reported is outside QA limits

Analyte	Result	Units	Report Limit	Dilution Factor	Prep Batch	Prep Date/Time	Analysis Date/Time	Analyst
Volatile Organic Compounds (VOCs) by GC/MS, 5035 (EPA 5035/EPA 8260B)								
1,2-Dibromo-3-chloropropane	U	µg/kg	13	1	VA09E12B	5/6/2009	5/13/2009	JAS
Dibromomethane	U	µg/kg	320	1	VA09E12B	5/6/2009	5/13/2009	JAS
1,2-Dichlorobenzene	U	µg/kg	130	1	VA09E12B	5/6/2009	5/13/2009	JAS
1,3-Dichlorobenzene	U	µg/kg	130	1	VA09E12B	5/6/2009	5/13/2009	JAS
1,4-Dichlorobenzene	U	µg/kg	130	1	VA09E12B	5/6/2009	5/13/2009	JAS
Dichlorodifluoromethane	U	µg/kg	320	1	VA09E12B	5/6/2009	5/13/2009	JAS
1,1-Dichloroethane	U	µg/kg	64	1	VA09E12B	5/6/2009	5/13/2009	JAS
1,2-Dichloroethane	U	µg/kg	64	1	VA09E12B	5/6/2009	5/13/2009	JAS
1,1-Dichloroethene	U	µg/kg	38	1	VA09E12B	5/6/2009	5/13/2009	JAS
cis-1,2-Dichloroethene	U	µg/kg	64	1	VA09E12B	5/6/2009	5/13/2009	JAS
trans-1,2-Dichloroethene	U	µg/kg	64	1	VA09E12B	5/6/2009	5/13/2009	JAS
1,2-Dichloropropane	U	µg/kg	64	1	VA09E12B	5/6/2009	5/13/2009	JAS
cis-1,3-Dichloropropene	U	µg/kg	64	1	VA09E12B	5/6/2009	5/13/2009	JAS
trans-1,3-Dichloropropene	U	µg/kg	64	1	VA09E12B	5/6/2009	5/13/2009	JAS
Ethylbenzene	U	µg/kg	64	1	VA09E12B	5/6/2009	5/13/2009	JAS
Ethylene Dibromide	U	µg/kg	25	1	VA09E12B	5/6/2009	5/13/2009	JAS
2-Hexanone	U	µg/kg	3200	1	VA09E12B	5/6/2009	5/13/2009	JAS
Methyl Iodide	U	µg/kg	130	1	VA09E12B	5/6/2009	5/13/2009	JAS
Isopropylbenzene	U	µg/kg	320	1	VA09E12B	5/6/2009	5/13/2009	JAS
4-Methyl-2-pentanone	U	µg/kg	3200	1	VA09E12B	5/6/2009	5/13/2009	JAS

Fibertec environmental services

Analytical Laboratory Report

Client Identification:	**AKT Peerless Environ. Svcs, Inc. - Detroit**	Sample Matrix:	**Soil/Solid**
Fibertec Project Number:	**34020**	Sample Number:	**34020-012**

Client Sample Information

Project Identification:	**Van Dyke**	Client Sample Description:	**SB-8 (4-6)**
Project Number:	**6101D-2-20**	Client Sample Number:	**12**
Sample Date:	**5/6/2009**	Chain of Custody Number:	**90255**

Comments: **All Results Reported On Dry Weight Basis. Percent Moisture = 21.3%.**

Definitions/ Qualifiers:
A: Spike recovery or precision unusable due to dilution.
B: The analyte was detected in the associated method blank.
E: The analyte was detected at a concentration greater than the calibration range, therefore the result is estimated.
J: The concentration is an estimated value.
U: The analyte was not detected at or above the reporting limit.
X: Matrix Interference has resulted in a raised reporting limit or distorted result.
W: Results reported on a wet-weight basis.
*: Value reported is outside QA limits

Analyte	Result	Units	Report Limit	Dilution Factor	Prep Batch	Prep Date/Time	Analysis Date/Time	Analyst
Volatile Organic Compounds (VOCs) by GC/MS, 5035 (EPA 5035/EPA 8260B)								
Methylene Chloride	U	µg/kg	130	1	VA09E12B	5/6/2009	5/13/2009	JAS
MTBE	U	µg/kg	320	1	VA09E12B	5/6/2009	5/13/2009	JAS
Naphthalene	U	µg/kg	420	1	VA09E12B	5/6/2009	5/13/2009	JAS
n-Propylbenzene	U	µg/kg	130	1	VA09E12B	5/6/2009	5/13/2009	JAS
Styrene	U	µg/kg	64	1	VA09E12B	5/6/2009	5/13/2009	JAS
1,1,1,2-Tetrachloroethane	U	µg/kg	130	1	VA09E12B	5/6/2009	5/13/2009	JAS
1,1,2,2-Tetrachloroethane	U	µg/kg	64	1	VA09E12B	5/6/2009	5/13/2009	JAS
Tetrachloroethene	U	µg/kg	64	1	VA09E12B	5/6/2009	5/13/2009	JAS
Toluene	U	µg/kg	64	1	VA09E12B	5/6/2009	5/13/2009	JAS
1,2,4-Trichlorobenzene	U	µg/kg	420	1	VA09E12B	5/6/2009	5/13/2009	JAS
1,1,1-Trichloroethane	U	µg/kg	64	1	VA09E12B	5/6/2009	5/13/2009	JAS
1,1,2-Trichloroethane	U	µg/kg	64	1	VA09E12B	5/6/2009	5/13/2009	JAS
Trichloroethene	U	µg/kg	64	1	VA09E12B	5/6/2009	5/13/2009	JAS
Trichlorofluoromethane	U	µg/kg	130	1	VA09E12B	5/6/2009	5/13/2009	JAS
1,2,3-Trichloropropane	U	µg/kg	130	1	VA09E12B	5/6/2009	5/13/2009	JAS
1,2,3-Trimethylbenzene	U	µg/kg	130	1	VA09E12B	5/6/2009	5/13/2009	JAS
1,2,4-Trimethylbenzene	U	µg/kg	130	1	VA09E12B	5/6/2009	5/13/2009	JAS
1,3,5-Trimethylbenzene	U	µg/kg	130	1	VA09E12B	5/6/2009	5/13/2009	JAS
Vinyl Chloride	U	µg/kg	51	1	VA09E12B	5/6/2009	5/13/2009	JAS
Xylenes	U	µg/kg	190	1	VA09E12B	5/6/2009	5/13/2009	JAS

Fibertec environmental services

Analytical Laboratory Report

Client Identification:	**AKT Peerless Environ. Svcs, Inc. - Detroit**	Sample Matrix:	**Soil/Solid**
Fibertec Project Number:	**34020**	Sample Number:	**34020-012A**

Client Sample Information

Project Identification:	**Van Dyke**	Client Sample Description:	**SB-8 (4-6)**
Project Number:	**6101D-2-20**	Client Sample Number:	**12**
Sample Date:	**5/6/2009**	Chain of Custody Number:	**90255**

Comments: **All Results Reported On Dry Weight Basis. Percent Moisture = 21.3%.**

Definitions/ Qualifiers:
A: Spike recovery or precision unusable due to dilution.
B: The analyte was detected in the associated method blank.
E: The analyte was detected at a concentration greater than the calibration range, therefore the result is estimated.
J: The concentration is an estimated value.
U: The analyte was not detected at or above the reporting limit.
X: Matrix Interference has resulted in a raised reporting limit or distorted result.
W: Results reported on a wet-weight basis.
*: Value reported is outside QA limits

Analyte	Result	Units	Report Limit	Dilution Factor	Prep Batch	Prep Date/Time	Analysis Date/Time	Analyst
Dry Weight Determination (ASTM D 2974-87)								
Percent Moisture (Water Content)	**21**	%	0.1	1	MC090511	5/12/2009	5/13/2009	BMG
Polynuclear Aromatic Hydrocarbons (PNAs) (EPA 3550B/EPA 8270C)								
Acenaphthene	U	µg/kg	420	1	PS09E13E	5/13/2009	5/14/2009	TMC
Acenaphthylene	U	µg/kg	420	1	PS09E13E	5/13/2009	5/14/2009	TMC
Anthracene	U	µg/kg	420	1	PS09E13E	5/13/2009	5/14/2009	TMC
Benzo(a)anthracene	U	µg/kg	420	1	PS09E13E	5/13/2009	5/14/2009	TMC
Benzo(a)pyrene	U	µg/kg	420	1	PS09E13E	5/13/2009	5/14/2009	TMC
Benzo(b)fluoranthene	U	µg/kg	420	1	PS09E13E	5/13/2009	5/14/2009	TMC
Benzo(ghi)perylene	U	µg/kg	420	1	PS09E13E	5/13/2009	5/14/2009	TMC
Benzo(k)fluoranthene	U	µg/kg	420	1	PS09E13E	5/13/2009	5/14/2009	TMC
Chrysene	U	µg/kg	420	1	PS09E13E	5/13/2009	5/14/2009	TMC
Dibenzo(a,h)anthracene	U	µg/kg	420	1	PS09E13E	5/13/2009	5/14/2009	TMC
Fluoranthene	U	µg/kg	420	1	PS09E13E	5/13/2009	5/14/2009	TMC
Fluorene	U	µg/kg	420	1	PS09E13E	5/13/2009	5/14/2009	TMC
Indeno(1,2,3-cd)pyrene	U	µg/kg	420	1	PS09E13E	5/13/2009	5/14/2009	TMC
2-Methylnaphthalene	U	µg/kg	420	1	PS09E13E	5/13/2009	5/14/2009	TMC
Phenanthrene	U	µg/kg	420	1	PS09E13E	5/13/2009	5/14/2009	TMC
Pyrene	U	µg/kg	420	1	PS09E13E	5/13/2009	5/14/2009	TMC

Fibertec environmental services

Analytical Laboratory Report

Client Identification:	**AKT Peerless Environ. Svcs, Inc. - Detroit**	Sample Matrix:	**Soil/Solid**
Fibertec Project Number:	**34020**	Sample Number:	**34020-013**

Client Sample Information

Project Identification:	**Van Dyke**	Client Sample Description:	**SB-9 (0.5-1)**
Project Number:	**6101D-2-20**	Client Sample Number:	**13**
Sample Date:	**5/6/2009**	Chain of Custody Number:	**90255**

Comments: **All Results Reported On Dry Weight Basis. Percent Moisture = 17.9%.**

Definitions/ Qualifiers:
A: Spike recovery or precision unusable due to dilution.
B: The analyte was detected in the associated method blank.
E: The analyte was detected at a concentration greater than the calibration range, therefore the result is estimated.
J: The concentration is an estimated value.
U: The analyte was not detected at or above the reporting limit.
X: Matrix Interference has resulted in a raised reporting limit or distorted result.
W: Results reported on a wet-weight basis.
*: Value reported is outside QA limits

Analyte	Result	Units	Report Limit	Dilution Factor	Prep Batch	Prep Date/Time	Analysis Date/Time	Analyst
Volatile Organic Compounds (VOCs) by GC/MS, 5035 (EPA 5035/EPA 8260B)								
Acetone	U	µg/kg	1200	1	VA09E12B	5/6/2009	5/13/2009	JAS
Acrylonitrile	U	µg/kg	120	1	VA09E12B	5/6/2009	5/13/2009	JAS
Benzene	U	µg/kg	61	1	VA09E12B	5/6/2009	5/13/2009	JAS
Bromobenzene	U	µg/kg	120	1	VA09E12B	5/6/2009	5/13/2009	JAS
Bromochloromethane	U	µg/kg	120	1	VA09E12B	5/6/2009	5/13/2009	JAS
Bromodichloromethane	U	µg/kg	120	1	VA09E12B	5/6/2009	5/13/2009	JAS
Bromoform	U	µg/kg	120	1	VA09E12B	5/6/2009	5/13/2009	JAS
Bromomethane	U	µg/kg	240	1	VA09E12B	5/6/2009	5/13/2009	JAS
2-Butanone	U	µg/kg	910	1	VA09E12B	5/6/2009	5/13/2009	JAS
n-Butylbenzene	U	µg/kg	61	1	VA09E12B	5/6/2009	5/13/2009	JAS
sec-Butylbenzene	U	µg/kg	61	1	VA09E12B	5/6/2009	5/13/2009	JAS
tert-Butylbenzene	U	µg/kg	61	1	VA09E12B	5/6/2009	5/13/2009	JAS
Carbon Disulfide	U	µg/kg	300	1	VA09E12B	5/6/2009	5/13/2009	JAS
Carbon Tetrachloride	U	µg/kg	61	1	VA09E12B	5/6/2009	5/13/2009	JAS
Chlorobenzene	U	µg/kg	61	1	VA09E12B	5/6/2009	5/13/2009	JAS
Chloroethane	U	µg/kg	300	1	VA09E12B	5/6/2009	5/13/2009	JAS
Chloroform	U	µg/kg	61	1	VA09E12B	5/6/2009	5/13/2009	JAS
Chloromethane	U	µg/kg	300	1	VA09E12B	5/6/2009	5/13/2009	JAS
2-Chlorotoluene	U	µg/kg	61	1	VA09E12B	5/6/2009	5/13/2009	JAS
Dibromochloromethane	U	µg/kg	120	1	VA09E12B	5/6/2009	5/13/2009	JAS

Fibertec environmental services

Analytical Laboratory Report

Client Identification:	**AKT Peerless Environ. Svcs, Inc. - Detroit**	Sample Matrix:	**Soil/Solid**
Fibertec Project Number:	**34020**	Sample Number:	**34020-013**

Client Sample Information

Project Identification:	**Van Dyke**	Client Sample Description:	**SB-9 (0.5-1)**
Project Number:	**6101D-2-20**	Client Sample Number:	**13**
Sample Date:	**5/6/2009**	Chain of Custody Number:	**90255**

Comments: **All Results Reported On Dry Weight Basis. Percent Moisture = 17.9%.**

Definitions/ Qualifiers:
A: Spike recovery or precision unusable due to dilution.
B: The analyte was detected in the associated method blank.
E: The analyte was detected at a concentration greater than the calibration range, therefore the result is estimated.
J: The concentration is an estimated value.
U: The analyte was not detected at or above the reporting limit.
X: Matrix Interference has resulted in a raised reporting limit or distorted result.
W: Results reported on a wet-weight basis.
*: Value reported is outside QA limits

Analyte	Result	Units	Report Limit	Dilution Factor	Prep Batch	Prep Date/Time	Analysis Date/Time	Analyst
Volatile Organic Compounds (VOCs) by GC/MS, 5035 (EPA 5035/EPA 8260B)								
1,2-Dibromo-3-chloropropane	U	µg/kg	12	1	VA09E12B	5/6/2009	5/13/2009	JAS
Dibromomethane	U	µg/kg	300	1	VA09E12B	5/6/2009	5/13/2009	JAS
1,2-Dichlorobenzene	U	µg/kg	120	1	VA09E12B	5/6/2009	5/13/2009	JAS
1,3-Dichlorobenzene	U	µg/kg	120	1	VA09E12B	5/6/2009	5/13/2009	JAS
1,4-Dichlorobenzene	U	µg/kg	120	1	VA09E12B	5/6/2009	5/13/2009	JAS
Dichlorodifluoromethane	U	µg/kg	300	1	VA09E12B	5/6/2009	5/13/2009	JAS
1,1-Dichloroethane	U	µg/kg	61	1	VA09E12B	5/6/2009	5/13/2009	JAS
1,2-Dichloroethane	U	µg/kg	61	1	VA09E12B	5/6/2009	5/13/2009	JAS
1,1-Dichloroethene	U	µg/kg	37	1	VA09E12B	5/6/2009	5/13/2009	JAS
cis-1,2-Dichloroethene	U	µg/kg	61	1	VA09E12B	5/6/2009	5/13/2009	JAS
trans-1,2-Dichloroethene	U	µg/kg	61	1	VA09E12B	5/6/2009	5/13/2009	JAS
1,2-Dichloropropane	U	µg/kg	61	1	VA09E12B	5/6/2009	5/13/2009	JAS
cis-1,3-Dichloropropene	U	µg/kg	61	1	VA09E12B	5/6/2009	5/13/2009	JAS
trans-1,3-Dichloropropene	U	µg/kg	61	1	VA09E12B	5/6/2009	5/13/2009	JAS
Ethylbenzene	U	µg/kg	61	1	VA09E12B	5/6/2009	5/13/2009	JAS
Ethylene Dibromide	U	µg/kg	24	1	VA09E12B	5/6/2009	5/13/2009	JAS
2-Hexanone	U	µg/kg	3000	1	VA09E12B	5/6/2009	5/13/2009	JAS
Methyl Iodide	U	µg/kg	120	1	VA09E12B	5/6/2009	5/13/2009	JAS
Isopropylbenzene	U	µg/kg	300	1	VA09E12B	5/6/2009	5/13/2009	JAS
4-Methyl-2-pentanone	U	µg/kg	3000	1	VA09E12B	5/6/2009	5/13/2009	JAS

Fibertec environmental services

Analytical Laboratory Report

Client Identification:	**AKT Peerless Environ. Svcs, Inc. - Detroit**	Sample Matrix:	**Soil/Solid**
Fibertec Project Number:	**34020**	Sample Number:	**34020-013**

Client Sample Information

Project Identification:	**Van Dyke**	Client Sample Description:	**SB-9 (0.5-1)**
Project Number:	**6101D-2-20**	Client Sample Number:	**13**
Sample Date:	**5/6/2009**	Chain of Custody Number:	**90255**

Comments: **All Results Reported On Dry Weight Basis. Percent Moisture = 17.9%.**

Definitions/ Qualifiers:
A: Spike recovery or precision unusable due to dilution.
B: The analyte was detected in the associated method blank.
E: The analyte was detected at a concentration greater than the calibration range, therefore the result is estimated.
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U: The analyte was not detected at or above the reporting limit.
X: Matrix Interference has resulted in a raised reporting limit or distorted result.
W: Results reported on a wet-weight basis.
*: Value reported is outside QA limits

Analyte	Result	Units	Report Limit	Dilution Factor	Prep Batch	Prep Date/Time	Analysis Date/Time	Analyst
Volatile Organic Compounds (VOCs) by GC/MS, 5035 (EPA 5035/EPA 8260B)								
Methylene Chloride	U	µg/kg	120	1	VA09E12B	5/6/2009	5/13/2009	JAS
MTBE	U	µg/kg	300	1	VA09E12B	5/6/2009	5/13/2009	JAS
Naphthalene	U	µg/kg	400	1	VA09E12B	5/6/2009	5/13/2009	JAS
n-Propylbenzene	U	µg/kg	120	1	VA09E12B	5/6/2009	5/13/2009	JAS
Styrene	U	µg/kg	61	1	VA09E12B	5/6/2009	5/13/2009	JAS
1,1,1,2-Tetrachloroethane	U	µg/kg	120	1	VA09E12B	5/6/2009	5/13/2009	JAS
1,1,2,2-Tetrachloroethane	U	µg/kg	61	1	VA09E12B	5/6/2009	5/13/2009	JAS
Tetrachloroethene	U	µg/kg	61	1	VA09E12B	5/6/2009	5/13/2009	JAS
Toluene	U	µg/kg	61	1	VA09E12B	5/6/2009	5/13/2009	JAS
1,2,4-Trichlorobenzene	U	µg/kg	400	1	VA09E12B	5/6/2009	5/13/2009	JAS
1,1,1-Trichloroethane	U	µg/kg	61	1	VA09E12B	5/6/2009	5/13/2009	JAS
1,1,2-Trichloroethane	U	µg/kg	61	1	VA09E12B	5/6/2009	5/13/2009	JAS
Trichloroethene	U	µg/kg	61	1	VA09E12B	5/6/2009	5/13/2009	JAS
Trichlorofluoromethane	U	µg/kg	120	1	VA09E12B	5/6/2009	5/13/2009	JAS
1,2,3-Trichloropropane	U	µg/kg	120	1	VA09E12B	5/6/2009	5/13/2009	JAS
1,2,3-Trimethylbenzene	U	µg/kg	120	1	VA09E12B	5/6/2009	5/13/2009	JAS
1,2,4-Trimethylbenzene	U	µg/kg	120	1	VA09E12B	5/6/2009	5/13/2009	JAS
1,3,5-Trimethylbenzene	U	µg/kg	120	1	VA09E12B	5/6/2009	5/13/2009	JAS
Vinyl Chloride	U	µg/kg	49	1	VA09E12B	5/6/2009	5/13/2009	JAS
Xylenes	U	µg/kg	180	1	VA09E12B	5/6/2009	5/13/2009	JAS

Fibertec environmental services

Analytical Laboratory Report

Client Identification:	**AKT Peerless Environ. Svcs, Inc. - Detroit**	Sample Matrix:	**Soil/Solid**
Fibertec Project Number:	**34020**	Sample Number:	**34020-013A**

Client Sample Information

Project Identification:	**Van Dyke**	Client Sample Description:	**SB-9 (0.5-1)**
Project Number:	**6101D-2-20**	Client Sample Number:	**13**
Sample Date:	**5/6/2009**	Chain of Custody Number:	**90255**

Comments: **All Results Reported On Dry Weight Basis. Percent Moisture = 17.9%.**

Definitions/ Qualifiers:
A: Spike recovery or precision unusable due to dilution.
B: The analyte was detected in the associated method blank.
E: The analyte was detected at a concentration greater than the calibration range, therefore the result is estimated.
J: The concentration is an estimated value.
U: The analyte was not detected at or above the reporting limit.
X: Matrix Interference has resulted in a raised reporting limit or distorted result.
W: Results reported on a wet-weight basis.
*: Value reported is outside QA limits

Analyte	Result	Units	Report Limit	Dilution Factor	Prep Batch	Prep Date/Time	Analysis Date/Time	Analyst
Dry Weight Determination (ASTM D 2974-87)								
Percent Moisture (Water Content)	**18**	%	0.1	1	MC090511	5/12/2009	5/13/2009	BMG
Michigan 10 Elements by ICP/MS (EPA 3050B/EPA 6020)								
Arsenic	**6000**	µg/kg	100	1	PT09E13E	5/13/2009	5/14/2009	JLH
Barium	**70000**	µg/kg	1000	1	PT09E13E	5/13/2009	5/14/2009	JLH
Cadmium	**240**	µg/kg	50	1	PT09E13E	5/13/2009	5/14/2009	JLH
Chromium	**15000**	µg/kg	500	1	PT09E13E	5/13/2009	5/14/2009	JLH
Copper	**20000**	µg/kg	1000	1	PT09E13E	5/13/2009	5/14/2009	JLH
Lead	**63000**	µg/kg	1000	1	PT09E13E	5/13/2009	5/14/2009	JLH
Selenium	**330**	µg/kg	200	1	PT09E13E	5/13/2009	5/14/2009	JLH
Silver	**U**	µg/kg	100	1	PT09E13E	5/13/2009	5/14/2009	JLH
Zinc	**56000**	µg/kg	1000	1	PT09E13E	5/13/2009	5/14/2009	JLH
Mercury by CVAAS (EPA 7471A)								
Mercury	**U**	µg/kg	61	1	PM09E11A	5/11/2009	5/11/2009	JLH
Polynuclear Aromatic Hydrocarbons (PNAs) (EPA 3550B/EPA 8270C)								
Acenaphthene	**U**	µg/kg	400	1	PS09E13E	5/13/2009	5/14/2009	BDA
Acenaphthylene	**U**	µg/kg	400	1	PS09E13E	5/13/2009	5/14/2009	BDA
Anthracene	**760**	µg/kg	400	1	PS09E13E	5/13/2009	5/14/2009	BDA
Benzo(a)anthracene	**2000**	µg/kg	400	1	PS09E13E	5/13/2009	5/14/2009	BDA
Benzo(a)pyrene	**1500**	µg/kg	400	1	PS09E13E	5/13/2009	5/14/2009	BDA
Benzo(b)fluoranthene	**2000**	µg/kg	400	1	PS09E13E	5/13/2009	5/14/2009	BDA
Benzo(ghi)perylene	**750**	µg/kg	400	1	PS09E13E	5/13/2009	5/14/2009	BDA

Fibertec environmental services

Analytical Laboratory Report

Client Identification:	**AKT Peerless Environ. Svcs, Inc. - Detroit**	Sample Matrix:	**Soil/Solid**
Fibertec Project Number:	**34020**	Sample Number:	**34020-013A**

Client Sample Information

Project Identification:	**Van Dyke**	Client Sample Description:	**SB-9 (0.5-1)**
Project Number:	**6101D-2-20**	Client Sample Number:	**13**
Sample Date:	**5/6/2009**	Chain of Custody Number:	**90255**

Comments: **All Results Reported On Dry Weight Basis. Percent Moisture = 17.9%.**

Definitions/ Qualifiers:
A: Spike recovery or precision unusable due to dilution.
B: The analyte was detected in the associated method blank.
E: The analyte was detected at a concentration greater than the calibration range, therefore the result is estimated.
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U: The analyte was not detected at or above the reporting limit.
X: Matrix Interference has resulted in a raised reporting limit or distorted result.
W: Results reported on a wet-weight basis.
*: Value reported is outside QA limits

Analyte	Result	Units	Report Limit	Dilution Factor	Prep Batch	Prep Date/Time	Analysis Date/Time	Analyst
Polynuclear Aromatic Hydrocarbons (PNAs) (EPA 3550B/EPA 8270C)								
Benzo(k)fluoranthene	**850**	µg/kg	400	1	PS09E13E	5/13/2009	5/14/2009	BDA
Chrysene	**1800**	µg/kg	400	1	PS09E13E	5/13/2009	5/14/2009	BDA
Dibenzo(a,h)anthracene	**U**	µg/kg	400	1	PS09E13E	5/13/2009	5/14/2009	BDA
Fluoranthene	**4500**	µg/kg	400	1	PS09E13E	5/13/2009	5/14/2009	BDA
Fluorene	**U**	µg/kg	400	1	PS09E13E	5/13/2009	5/14/2009	BDA
Indeno(1,2,3-cd)pyrene	**800**	µg/kg	400	1	PS09E13E	5/13/2009	5/14/2009	BDA
2-Methylnaphthalene	**U**	µg/kg	400	1	PS09E13E	5/13/2009	5/14/2009	BDA
Phenanthrene	**3800**	µg/kg	400	1	PS09E13E	5/13/2009	5/14/2009	BDA
Pyrene	**4800**	µg/kg	400	1	PS09E13E	5/13/2009	5/14/2009	BDA

Fibertec environmental services

Analytical Laboratory Report

Client Identification:	**AKT Peerless Environ. Svcs, Inc. - Detroit**	Sample Matrix:	**Soil/Solid**
Fibertec Project Number:	**34020**	Sample Number:	**34020-014**

Client Sample Information

Project Identification:	**Van Dyke**	Client Sample Description:	**SB-9 (2-3)**
Project Number:	**6101D-2-20**	Client Sample Number:	**14**
Sample Date:	**5/6/2009**	Chain of Custody Number:	**90255**

Comments: **All Results Reported On Dry Weight Basis. Percent Moisture = 15.8%.**

Definitions/ Qualifiers:
A: Spike recovery or precision unusable due to dilution.
B: The analyte was detected in the associated method blank.
E: The analyte was detected at a concentration greater than the calibration range, therefore the result is estimated.
J: The concentration is an estimated value.
U: The analyte was not detected at or above the reporting limit.
X: Matrix Interference has resulted in a raised reporting limit or distorted result.
W: Results reported on a wet-weight basis.
*: Value reported is outside QA limits

Analyte	Result	Units	Report Limit	Dilution Factor	Prep Batch	Prep Date/Time	Analysis Date/Time	Analyst
Volatile Organic Compounds (VOCs) by GC/MS, 5035 (EPA 5035/EPA 8260B) (Estimated results for bromomethane, chloroethane, and methyl iodide, compounds failed low on CCV)								
Acetone	U	µg/kg	1200	1	VA09E13B	5/6/2009	5/13/2009	JAS
Acrylonitrile	U	µg/kg	120	1	VA09E13B	5/6/2009	5/13/2009	JAS
Benzene	U	µg/kg	59	1	VA09E13B	5/6/2009	5/13/2009	JAS
Bromobenzene	U	µg/kg	120	1	VA09E13B	5/6/2009	5/13/2009	JAS
Bromochloromethane	U	µg/kg	120	1	VA09E13B	5/6/2009	5/13/2009	JAS
Bromodichloromethane	U	µg/kg	120	1	VA09E13B	5/6/2009	5/13/2009	JAS
Bromoform	U	µg/kg	120	1	VA09E13B	5/6/2009	5/13/2009	JAS
Bromomethane	U	µg/kg	240	1	VA09E13B	5/6/2009	5/13/2009	JAS
2-Butanone	U	µg/kg	890	1	VA09E13B	5/6/2009	5/13/2009	JAS
n-Butylbenzene	U	µg/kg	59	1	VA09E13B	5/6/2009	5/13/2009	JAS
sec-Butylbenzene	U	µg/kg	59	1	VA09E13B	5/6/2009	5/13/2009	JAS
tert-Butylbenzene	U	µg/kg	59	1	VA09E13B	5/6/2009	5/13/2009	JAS
Carbon Disulfide	U	µg/kg	300	1	VA09E13B	5/6/2009	5/13/2009	JAS
Carbon Tetrachloride	U	µg/kg	59	1	VA09E13B	5/6/2009	5/13/2009	JAS
Chlorobenzene	U	µg/kg	59	1	VA09E13B	5/6/2009	5/13/2009	JAS
Chloroethane	U	µg/kg	300	1	VA09E13B	5/6/2009	5/13/2009	JAS
Chloroform	U	µg/kg	59	1	VA09E13B	5/6/2009	5/13/2009	JAS
Chloromethane	U	µg/kg	300	1	VA09E13B	5/6/2009	5/13/2009	JAS
2-Chlorotoluene	U	µg/kg	59	1	VA09E13B	5/6/2009	5/13/2009	JAS
Dibromochloromethane	U	µg/kg	120	1	VA09E13B	5/6/2009	5/13/2009	JAS

Fibertec environmental services

Analytical Laboratory Report

Client Identification:	**AKT Peerless Environ. Svcs, Inc. - Detroit**	Sample Matrix:	**Soil/Solid**
Fibertec Project Number:	**34020**	Sample Number:	**34020-014**

Client Sample Information

Project Identification:	**Van Dyke**	Client Sample Description:	**SB-9 (2-3)**
Project Number:	**6101D-2-20**	Client Sample Number:	**14**
Sample Date:	**5/6/2009**	Chain of Custody Number:	**90255**

Comments: **All Results Reported On Dry Weight Basis. Percent Moisture = 15.8%.**

Definitions/ Qualifiers:
A: Spike recovery or precision unusable due to dilution.
B: The analyte was detected in the associated method blank.
E: The analyte was detected at a concentration greater than the calibration range, therefore the result is estimated.
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*: Value reported is outside QA limits

Analyte	Result	Units	Report Limit	Dilution Factor	Prep Batch	Prep Date/Time	Analysis Date/Time	Analyst
Volatile Organic Compounds (VOCs) by GC/MS, 5035 (EPA 5035/EPA 8260B) (Estimated results for bromomethane, chloroethane, and methyl iodide, compounds failed low on CCV)								
1,2-Dibromo-3-chloropropane	U	µg/kg	12	1	VA09E13B	5/6/2009	5/13/2009	JAS
Dibromomethane	U	µg/kg	300	1	VA09E13B	5/6/2009	5/13/2009	JAS
1,2-Dichlorobenzene	U	µg/kg	120	1	VA09E13B	5/6/2009	5/13/2009	JAS
1,3-Dichlorobenzene	U	µg/kg	120	1	VA09E13B	5/6/2009	5/13/2009	JAS
1,4-Dichlorobenzene	U	µg/kg	120	1	VA09E13B	5/6/2009	5/13/2009	JAS
Dichlorodifluoromethane	U	µg/kg	300	1	VA09E13B	5/6/2009	5/13/2009	JAS
1,1-Dichloroethane	U	µg/kg	59	1	VA09E13B	5/6/2009	5/13/2009	JAS
1,2-Dichloroethane	U	µg/kg	59	1	VA09E13B	5/6/2009	5/13/2009	JAS
1,1-Dichloroethene	U	µg/kg	36	1	VA09E13B	5/6/2009	5/13/2009	JAS
cis-1,2-Dichloroethene	U	µg/kg	59	1	VA09E13B	5/6/2009	5/13/2009	JAS
trans-1,2-Dichloroethene	U	µg/kg	59	1	VA09E13B	5/6/2009	5/13/2009	JAS
1,2-Dichloropropane	U	µg/kg	59	1	VA09E13B	5/6/2009	5/13/2009	JAS
cis-1,3-Dichloropropene	U	µg/kg	59	1	VA09E13B	5/6/2009	5/13/2009	JAS
trans-1,3-Dichloropropene	U	µg/kg	59	1	VA09E13B	5/6/2009	5/13/2009	JAS
Ethylbenzene	U	µg/kg	59	1	VA09E13B	5/6/2009	5/13/2009	JAS
Ethylene Dibromide	U	µg/kg	24	1	VA09E13B	5/6/2009	5/13/2009	JAS
2-Hexanone	U	µg/kg	3000	1	VA09E13B	5/6/2009	5/13/2009	JAS
Methyl Iodide	U	µg/kg	120	1	VA09E13B	5/6/2009	5/13/2009	JAS
Isopropylbenzene	U	µg/kg	300	1	VA09E13B	5/6/2009	5/13/2009	JAS
4-Methyl-2-pentanone	U	µg/kg	3000	1	VA09E13B	5/6/2009	5/13/2009	JAS

Fibertec environmental services

Analytical Laboratory Report

Client Identification:	**AKT Peerless Environ. Svcs, Inc. - Detroit**	Sample Matrix:	**Soil/Solid**
Fibertec Project Number:	**34020**	Sample Number:	**34020-014**

Client Sample Information

Project Identification:	**Van Dyke**	Client Sample Description:	**SB-9 (2-3)**
Project Number:	**6101D-2-20**	Client Sample Number:	**14**
Sample Date:	**5/6/2009**	Chain of Custody Number:	**90255**

Comments: **All Results Reported On Dry Weight Basis. Percent Moisture = 15.8%.**

Definitions/ Qualifiers:
A: Spike recovery or precision unusable due to dilution.
B: The analyte was detected in the associated method blank.
E: The analyte was detected at a concentration greater than the calibration range, therefore the result is estimated.
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W: Results reported on a wet-weight basis.
*: Value reported is outside QA limits

Analyte	Result	Units	Report Limit	Dilution Factor	Prep Batch	Prep Date/Time	Analysis Date/Time	Analyst
Volatile Organic Compounds (VOCs) by GC/MS, 5035 (EPA 5035/EPA 8260B) (Estimated results for bromomethane, chloroethane, and methyl iodide, compounds failed low on CCV)								
Methylene Chloride	U	µg/kg	120	1	VA09E13B	5/6/2009	5/13/2009	JAS
MTBE	U	µg/kg	300	1	VA09E13B	5/6/2009	5/13/2009	JAS
Naphthalene	U	µg/kg	390	1	VA09E13B	5/6/2009	5/13/2009	JAS
n-Propylbenzene	U	µg/kg	120	1	VA09E13B	5/6/2009	5/13/2009	JAS
Styrene	U	µg/kg	59	1	VA09E13B	5/6/2009	5/13/2009	JAS
1,1,1,2-Tetrachloroethane	U	µg/kg	120	1	VA09E13B	5/6/2009	5/13/2009	JAS
1,1,2,2-Tetrachloroethane	U	µg/kg	59	1	VA09E13B	5/6/2009	5/13/2009	JAS
Tetrachloroethene	U	µg/kg	59	1	VA09E13B	5/6/2009	5/13/2009	JAS
Toluene	U	µg/kg	59	1	VA09E13B	5/6/2009	5/13/2009	JAS
1,2,4-Trichlorobenzene	U	µg/kg	390	1	VA09E13B	5/6/2009	5/13/2009	JAS
1,1,1-Trichloroethane	U	µg/kg	59	1	VA09E13B	5/6/2009	5/13/2009	JAS
1,1,2-Trichloroethane	U	µg/kg	59	1	VA09E13B	5/6/2009	5/13/2009	JAS
Trichloroethene	U	µg/kg	59	1	VA09E13B	5/6/2009	5/13/2009	JAS
Trichlorofluoromethane	U	µg/kg	120	1	VA09E13B	5/6/2009	5/13/2009	JAS
1,2,3-Trichloropropane	U	µg/kg	120	1	VA09E13B	5/6/2009	5/13/2009	JAS
1,2,3-Trimethylbenzene	U	µg/kg	120	1	VA09E13B	5/6/2009	5/13/2009	JAS
1,2,4-Trimethylbenzene	U	µg/kg	120	1	VA09E13B	5/6/2009	5/13/2009	JAS
1,3,5-Trimethylbenzene	U	µg/kg	120	1	VA09E13B	5/6/2009	5/13/2009	JAS
Vinyl Chloride	U	µg/kg	48	1	VA09E13B	5/6/2009	5/13/2009	JAS
Xylenes	U	µg/kg	180	1	VA09E13B	5/6/2009	5/13/2009	JAS

Fibertec environmental services

Analytical Laboratory Report

Client Identification:	**AKT Peerless Environ. Svcs, Inc. - Detroit**	Sample Matrix:	**Soil/Solid**
Fibertec Project Number:	**34020**	Sample Number:	**34020-014A**

Client Sample Information

Project Identification:	**Van Dyke**	Client Sample Description:	**SB-9 (2-3)**
Project Number:	**6101D-2-20**	Client Sample Number:	**14**
Sample Date:	**5/6/2009**	Chain of Custody Number:	**90255**

Comments: **All Results Reported On Dry Weight Basis. Percent Moisture = 15.8%.**

Definitions/ Qualifiers:
A: Spike recovery or precision unusable due to dilution.
B: The analyte was detected in the associated method blank.
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X: Matrix Interference has resulted in a raised reporting limit or distorted result.
W: Results reported on a wet-weight basis.
*: Value reported is outside QA limits

Analyte	Result	Units	Report Limit	Dilution Factor	Prep Batch	Prep Date/Time	Analysis Date/Time	Analyst
Dry Weight Determination (ASTM D 2974-87)								
Percent Moisture (Water Content)	**16**	%	0.1	1	MC090511	5/12/2009	5/13/2009	BMG
Polynuclear Aromatic Hydrocarbons (PNAs) (EPA 3550B/EPA 8270C)								
Acenaphthene	**U**	µg/kg	390	1	PS09E13E	5/13/2009	5/14/2009	TMC
Acenaphthylene	**U**	µg/kg	390	1	PS09E13E	5/13/2009	5/14/2009	TMC
Anthracene	**U**	µg/kg	390	1	PS09E13E	5/13/2009	5/14/2009	TMC
Benzo(a)anthracene	**U**	µg/kg	390	1	PS09E13E	5/13/2009	5/14/2009	TMC
Benzo(a)pyrene	**U**	µg/kg	390	1	PS09E13E	5/13/2009	5/14/2009	TMC
Benzo(b)fluoranthene	**U**	µg/kg	390	1	PS09E13E	5/13/2009	5/14/2009	TMC
Benzo(ghi)perylene	**U**	µg/kg	390	1	PS09E13E	5/13/2009	5/14/2009	TMC
Benzo(k)fluoranthene	**U**	µg/kg	390	1	PS09E13E	5/13/2009	5/14/2009	TMC
Chrysene	**U**	µg/kg	390	1	PS09E13E	5/13/2009	5/14/2009	TMC
Dibenzo(a,h)anthracene	**U**	µg/kg	390	1	PS09E13E	5/13/2009	5/14/2009	TMC
Fluoranthene	**530**	µg/kg	390	1	PS09E13E	5/13/2009	5/14/2009	TMC
Fluorene	**U**	µg/kg	390	1	PS09E13E	5/13/2009	5/14/2009	TMC
Indeno(1,2,3-cd)pyrene	**U**	µg/kg	390	1	PS09E13E	5/13/2009	5/14/2009	TMC
2-Methylnaphthalene	**U**	µg/kg	390	1	PS09E13E	5/13/2009	5/14/2009	TMC
Phenanthrene	**400**	µg/kg	390	1	PS09E13E	5/13/2009	5/14/2009	TMC
Pyrene	**U**	µg/kg	390	1	PS09E13E	5/13/2009	5/14/2009	TMC

Fibertec environmental services

Analytical Laboratory Report

Client Identification:	**AKT Peerless Environ. Svcs, Inc. - Detroit**	Sample Matrix:	**Soil/Solid**
Fibertec Project Number:	**34020**	Sample Number:	**34020-015**

Client Sample Information

Project Identification:	**Van Dyke**	Client Sample Description:	**SB-10 (1-2)**
Project Number:	**6101D-2-20**	Client Sample Number:	**15**
Sample Date:	**5/6/2009**	Chain of Custody Number:	**90255**

Comments: **All Results Reported On Dry Weight Basis. Percent Moisture = 12.5%.**

Definitions/ Qualifiers:
A: Spike recovery or precision unusable due to dilution.
B: The analyte was detected in the associated method blank.
E: The analyte was detected at a concentration greater than the calibration range, therefore the result is estimated.
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W: Results reported on a wet-weight basis.
*: Value reported is outside QA limits

Analyte	Result	Units	Report Limit	Dilution Factor	Prep Batch	Prep Date/Time	Analysis Date/Time	Analyst
Volatile Organic Compounds (VOCs) by GC/MS, 5035 (EPA 5035/EPA 8260B) (Estimated results for bromomethane, chloroethane, and methyl iodide, compounds failed low on CCV)								
Acetone	U	µg/kg	1100	1	VA09E13B	5/6/2009	5/13/2009	JAS
Acrylonitrile	U	µg/kg	110	1	VA09E13B	5/6/2009	5/13/2009	JAS
Benzene	U	µg/kg	57	1	VA09E13B	5/6/2009	5/13/2009	JAS
Bromobenzene	U	µg/kg	110	1	VA09E13B	5/6/2009	5/13/2009	JAS
Bromochloromethane	U	µg/kg	110	1	VA09E13B	5/6/2009	5/13/2009	JAS
Bromodichloromethane	U	µg/kg	110	1	VA09E13B	5/6/2009	5/13/2009	JAS
Bromoform	U	µg/kg	110	1	VA09E13B	5/6/2009	5/13/2009	JAS
Bromomethane	U	µg/kg	230	1	VA09E13B	5/6/2009	5/13/2009	JAS
2-Butanone	U	µg/kg	860	1	VA09E13B	5/6/2009	5/13/2009	JAS
n-Butylbenzene	U	µg/kg	57	1	VA09E13B	5/6/2009	5/13/2009	JAS
sec-Butylbenzene	U	µg/kg	57	1	VA09E13B	5/6/2009	5/13/2009	JAS
tert-Butylbenzene	U	µg/kg	57	1	VA09E13B	5/6/2009	5/13/2009	JAS
Carbon Disulfide	U	µg/kg	290	1	VA09E13B	5/6/2009	5/13/2009	JAS
Carbon Tetrachloride	U	µg/kg	57	1	VA09E13B	5/6/2009	5/13/2009	JAS
Chlorobenzene	U	µg/kg	57	1	VA09E13B	5/6/2009	5/13/2009	JAS
Chloroethane	U	µg/kg	290	1	VA09E13B	5/6/2009	5/13/2009	JAS
Chloroform	U	µg/kg	57	1	VA09E13B	5/6/2009	5/13/2009	JAS
Chloromethane	U	µg/kg	290	1	VA09E13B	5/6/2009	5/13/2009	JAS
2-Chlorotoluene	U	µg/kg	57	1	VA09E13B	5/6/2009	5/13/2009	JAS
Dibromochloromethane	U	µg/kg	110	1	VA09E13B	5/6/2009	5/13/2009	JAS

Fibertec environmental services

Analytical Laboratory Report

Client Identification:	**AKT Peerless Environ. Svcs, Inc. - Detroit**	Sample Matrix:	**Soil/Solid**
Fibertec Project Number:	**34020**	Sample Number:	**34020-015**

Client Sample Information

Project Identification:	**Van Dyke**	Client Sample Description:	**SB-10 (1-2)**
Project Number:	**6101D-2-20**	Client Sample Number:	**15**
Sample Date:	**5/6/2009**	Chain of Custody Number:	**90255**

Comments: **All Results Reported On Dry Weight Basis. Percent Moisture = 12.5%.**

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Analyte	Result	Units	Report Limit	Dilution Factor	Prep Batch	Prep Date/Time	Analysis Date/Time	Analyst
Volatile Organic Compounds (VOCs) by GC/MS, 5035 (EPA 5035/EPA 8260B) (Estimated results for bromomethane, chloroethane, and methyl iodide, compounds failed low on CCV)								
1,2-Dibromo-3-chloropropane	U	µg/kg	11	1	VA09E13B	5/6/2009	5/13/2009	JAS
Dibromomethane	U	µg/kg	290	1	VA09E13B	5/6/2009	5/13/2009	JAS
1,2-Dichlorobenzene	U	µg/kg	110	1	VA09E13B	5/6/2009	5/13/2009	JAS
1,3-Dichlorobenzene	U	µg/kg	110	1	VA09E13B	5/6/2009	5/13/2009	JAS
1,4-Dichlorobenzene	U	µg/kg	110	1	VA09E13B	5/6/2009	5/13/2009	JAS
Dichlorodifluoromethane	U	µg/kg	290	1	VA09E13B	5/6/2009	5/13/2009	JAS
1,1-Dichloroethane	U	µg/kg	57	1	VA09E13B	5/6/2009	5/13/2009	JAS
1,2-Dichloroethane	U	µg/kg	57	1	VA09E13B	5/6/2009	5/13/2009	JAS
1,1-Dichloroethene	U	µg/kg	34	1	VA09E13B	5/6/2009	5/13/2009	JAS
cis-1,2-Dichloroethene	U	µg/kg	57	1	VA09E13B	5/6/2009	5/13/2009	JAS
trans-1,2-Dichloroethene	U	µg/kg	57	1	VA09E13B	5/6/2009	5/13/2009	JAS
1,2-Dichloropropane	U	µg/kg	57	1	VA09E13B	5/6/2009	5/13/2009	JAS
cis-1,3-Dichloropropene	U	µg/kg	57	1	VA09E13B	5/6/2009	5/13/2009	JAS
trans-1,3-Dichloropropene	U	µg/kg	57	1	VA09E13B	5/6/2009	5/13/2009	JAS
Ethylbenzene	U	µg/kg	57	1	VA09E13B	5/6/2009	5/13/2009	JAS
Ethylene Dibromide	U	µg/kg	23	1	VA09E13B	5/6/2009	5/13/2009	JAS
2-Hexanone	U	µg/kg	2900	1	VA09E13B	5/6/2009	5/13/2009	JAS
Methyl Iodide	U	µg/kg	110	1	VA09E13B	5/6/2009	5/13/2009	JAS
Isopropylbenzene	U	µg/kg	290	1	VA09E13B	5/6/2009	5/13/2009	JAS
4-Methyl-2-pentanone	U	µg/kg	2900	1	VA09E13B	5/6/2009	5/13/2009	JAS

Fibertec environmental services

Analytical Laboratory Report

Client Identification:	**AKT Peerless Environ. Svcs, Inc. - Detroit**	Sample Matrix:	**Soil/Solid**
Fibertec Project Number:	**34020**	Sample Number:	**34020-015**

Client Sample Information

Project Identification:	**Van Dyke**	Client Sample Description:	**SB-10 (1-2)**
Project Number:	**6101D-2-20**	Client Sample Number:	**15**
Sample Date:	**5/6/2009**	Chain of Custody Number:	**90255**

Comments: **All Results Reported On Dry Weight Basis. Percent Moisture = 12.5%.**

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Analyte	Result	Units	Report Limit	Dilution Factor	Prep Batch	Prep Date/Time	Analysis Date/Time	Analyst
Volatile Organic Compounds (VOCs) by GC/MS, 5035 (EPA 5035/EPA 8260B) (Estimated results for bromomethane, chloroethane, and methyl iodide, compounds failed low on CCV)								
Methylene Chloride	U	µg/kg	110	1	VA09E13B	5/6/2009	5/13/2009	JAS
MTBE	U	µg/kg	290	1	VA09E13B	5/6/2009	5/13/2009	JAS
Naphthalene	U	µg/kg	380	1	VA09E13B	5/6/2009	5/13/2009	JAS
n-Propylbenzene	U	µg/kg	110	1	VA09E13B	5/6/2009	5/13/2009	JAS
Styrene	U	µg/kg	57	1	VA09E13B	5/6/2009	5/13/2009	JAS
1,1,1,2-Tetrachloroethane	U	µg/kg	110	1	VA09E13B	5/6/2009	5/13/2009	JAS
1,1,2,2-Tetrachloroethane	U	µg/kg	57	1	VA09E13B	5/6/2009	5/13/2009	JAS
Tetrachloroethene	U	µg/kg	57	1	VA09E13B	5/6/2009	5/13/2009	JAS
Toluene	U	µg/kg	57	1	VA09E13B	5/6/2009	5/13/2009	JAS
1,2,4-Trichlorobenzene	U	µg/kg	380	1	VA09E13B	5/6/2009	5/13/2009	JAS
1,1,1-Trichloroethane	U	µg/kg	57	1	VA09E13B	5/6/2009	5/13/2009	JAS
1,1,2-Trichloroethane	U	µg/kg	57	1	VA09E13B	5/6/2009	5/13/2009	JAS
Trichloroethene	U	µg/kg	57	1	VA09E13B	5/6/2009	5/13/2009	JAS
Trichlorofluoromethane	U	µg/kg	110	1	VA09E13B	5/6/2009	5/13/2009	JAS
1,2,3-Trichloropropane	U	µg/kg	110	1	VA09E13B	5/6/2009	5/13/2009	JAS
1,2,3-Trimethylbenzene	U	µg/kg	110	1	VA09E13B	5/6/2009	5/13/2009	JAS
1,2,4-Trimethylbenzene	U	µg/kg	110	1	VA09E13B	5/6/2009	5/13/2009	JAS
1,3,5-Trimethylbenzene	U	µg/kg	110	1	VA09E13B	5/6/2009	5/13/2009	JAS
Vinyl Chloride	U	µg/kg	46	1	VA09E13B	5/6/2009	5/13/2009	JAS
Xylenes	U	µg/kg	170	1	VA09E13B	5/6/2009	5/13/2009	JAS

Fibertec environmental services

Analytical Laboratory Report

Client Identification:	**AKT Peerless Environ. Svcs, Inc. - Detroit**	Sample Matrix:	**Soil/Solid**
Fibertec Project Number:	**34020**	Sample Number:	**34020-015A**

Client Sample Information

Project Identification:	**Van Dyke**	Client Sample Description:	**SB-10 (1-2)**
Project Number:	**6101D-2-20**	Client Sample Number:	**15**
Sample Date:	**5/6/2009**	Chain of Custody Number:	**90255**

Comments: **All Results Reported On Dry Weight Basis. Percent Moisture = 12.5%.**

Definitions/ Qualifiers:
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W: Results reported on a wet-weight basis.
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Analyte	Result	Units	Report Limit	Dilution Factor	Prep Batch	Prep Date/Time	Analysis Date/Time	Analyst
Dry Weight Determination (ASTM D 2974-87)								
Percent Moisture (Water Content)	**13**	%	0.1	1	MC090511	5/12/2009	5/13/2009	BMG
Michigan 10 Elements by ICP/MS (EPA 3050B/EPA 6020)								
Arsenic	**5200**	µg/kg	100	1	PT09E13E	5/13/2009	5/14/2009	JLH
Barium	**46000**	µg/kg	1000	1	PT09E13E	5/13/2009	5/14/2009	JLH
Cadmium	**180**	µg/kg	50	1	PT09E13E	5/13/2009	5/14/2009	JLH
Chromium	**16000**	µg/kg	500	1	PT09E13E	5/13/2009	5/14/2009	JLH
Copper	**19000**	µg/kg	1000	1	PT09E13E	5/13/2009	5/14/2009	JLH
Lead	**9100**	µg/kg	1000	1	PT09E13E	5/13/2009	5/14/2009	JLH
Selenium	**240**	µg/kg	200	1	PT09E13E	5/13/2009	5/14/2009	JLH
Silver	**U**	µg/kg	100	1	PT09E13E	5/13/2009	5/14/2009	JLH
Zinc	**51000**	µg/kg	1000	1	PT09E13E	5/13/2009	5/14/2009	JLH
Mercury by CVAAS (EPA 7471A)								
Mercury	**U**	µg/kg	57	1	PM09E11A	5/11/2009	5/11/2009	JLH
Polynuclear Aromatic Hydrocarbons (PNAs) (EPA 3550B/EPA 8270C)								
Acenaphthene	**U**	µg/kg	380	1	PS09E13E	5/13/2009	5/14/2009	TMC
Acenaphthylene	**U**	µg/kg	380	1	PS09E13E	5/13/2009	5/14/2009	TMC
Anthracene	**U**	µg/kg	380	1	PS09E13E	5/13/2009	5/14/2009	TMC
Benzo(a)anthracene	**U**	µg/kg	380	1	PS09E13E	5/13/2009	5/14/2009	TMC
Benzo(a)pyrene	**U**	µg/kg	380	1	PS09E13E	5/13/2009	5/14/2009	TMC
Benzo(b)fluoranthene	**U**	µg/kg	380	1	PS09E13E	5/13/2009	5/14/2009	TMC
Benzo(ghi)perylene	**U**	µg/kg	380	1	PS09E13E	5/13/2009	5/14/2009	TMC

Fibertec environmental services

Analytical Laboratory Report

Client Identification:	**AKT Peerless Environ. Svcs, Inc. - Detroit**	Sample Matrix:	**Soil/Solid**
Fibertec Project Number:	**34020**	Sample Number:	**34020-015A**

Client Sample Information

Project Identification:	**Van Dyke**	Client Sample Description:	**SB-10 (1-2)**
Project Number:	**6101D-2-20**	Client Sample Number:	**15**
Sample Date:	**5/6/2009**	Chain of Custody Number:	**90255**

Comments: **All Results Reported On Dry Weight Basis. Percent Moisture = 12.5%.**

Definitions/ Qualifiers:
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W: Results reported on a wet-weight basis.
*: Value reported is outside QA limits

Analyte	Result	Units	Report Limit	Dilution Factor	Prep Batch	Prep Date/Time	Analysis Date/Time	Analyst
Polynuclear Aromatic Hydrocarbons (PNAs) (EPA 3550B/EPA 8270C)								
Benzo(k)fluoranthene	U	µg/kg	380	1	PS09E13E	5/13/2009	5/14/2009	TMC
Chrysene	U	µg/kg	380	1	PS09E13E	5/13/2009	5/14/2009	TMC
Dibenzo(a,h)anthracene	U	µg/kg	380	1	PS09E13E	5/13/2009	5/14/2009	TMC
Fluoranthene	U	µg/kg	380	1	PS09E13E	5/13/2009	5/14/2009	TMC
Fluorene	U	µg/kg	380	1	PS09E13E	5/13/2009	5/14/2009	TMC
Indeno(1,2,3-cd)pyrene	U	µg/kg	380	1	PS09E13E	5/13/2009	5/14/2009	TMC
2-Methylnaphthalene	U	µg/kg	380	1	PS09E13E	5/13/2009	5/14/2009	TMC
Phenanthrene	U	µg/kg	380	1	PS09E13E	5/13/2009	5/14/2009	TMC
Pyrene	U	µg/kg	380	1	PS09E13E	5/13/2009	5/14/2009	TMC

Fibertec environmental services

Analytical Laboratory Report

Client Identification:	**AKT Peerless Environ. Svcs, Inc. - Detroit**	Sample Matrix:	**Soil/Solid**
Fibertec Project Number:	**34020**	Sample Number:	**34020-016**

Client Sample Information

Project Identification:	**Van Dyke**	Client Sample Description:	**SB-10 (1-2) MS**
Project Number:	**6101D-2-20**	Client Sample Number:	**16**
Sample Date:	**5/6/2009**	Chain of Custody Number:	**90255**

Comments: **All Results Reported On Dry Weight Basis. Percent Moisture = 12.0%.**

Definitions/ Qualifiers:
A: Spike recovery or precision unusable due to dilution.
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Analyte	Result	Units	Report Limit	Dilution Factor	Prep Batch	Prep Date/Time	Analysis Date/Time	Analyst
Volatile Organic Compounds (VOCs) by GC/MS, 5035 (EPA 5035/EPA 8260B) (Estimated results for bromomethane, chloroethane, and methyl iodide, compounds failed low on CCV)								
Acetone	**60**	% Recovery	NA	1	VA09E13B	5/6/2009	5/13/2009	JAS
Acrylonitrile	**22**	% Recovery	NA	1	VA09E13B	5/6/2009	5/13/2009	JAS
Benzene	**118**	% Recovery	NA	1	VA09E13B	5/6/2009	5/13/2009	JAS
Bromobenzene	**134**	% Recovery	NA	1	VA09E13B	5/6/2009	5/13/2009	JAS
Bromochloromethane	**118**	% Recovery	NA	1	VA09E13B	5/6/2009	5/13/2009	JAS
Bromodichloromethane	**94**	% Recovery	NA	1	VA09E13B	5/6/2009	5/13/2009	JAS
Bromoform	**76**	% Recovery	NA	1	VA09E13B	5/6/2009	5/13/2009	JAS
Bromomethane	**85**	% Recovery	NA	1	VA09E13B	5/6/2009	5/13/2009	JAS
2-Butanone	**58**	% Recovery	NA	1	VA09E13B	5/6/2009	5/13/2009	JAS
n-Butylbenzene	**122**	% Recovery	NA	1	VA09E13B	5/6/2009	5/13/2009	JAS
sec-Butylbenzene	**125**	% Recovery	NA	1	VA09E13B	5/6/2009	5/13/2009	JAS
tert-Butylbenzene	**119**	% Recovery	NA	1	VA09E13B	5/6/2009	5/13/2009	JAS
Carbon Disulfide	**105**	% Recovery	NA	1	VA09E13B	5/6/2009	5/13/2009	JAS
Carbon Tetrachloride	**103**	% Recovery	NA	1	VA09E13B	5/6/2009	5/13/2009	JAS
Chlorobenzene	**109**	% Recovery	NA	1	VA09E13B	5/6/2009	5/13/2009	JAS
Chloroethane	**105**	% Recovery	NA	1	VA09E13B	5/6/2009	5/13/2009	JAS
Chloroform	**104**	% Recovery	NA	1	VA09E13B	5/6/2009	5/13/2009	JAS
Chloromethane	**133**	% Recovery	NA	1	VA09E13B	5/6/2009	5/13/2009	JAS
2-Chlorotoluene	**127**	% Recovery	NA	1	VA09E13B	5/6/2009	5/13/2009	JAS
Dibromochloromethane	**95**	% Recovery	NA	1	VA09E13B	5/6/2009	5/13/2009	JAS

Fibertec environmental services

Analytical Laboratory Report

Client Identification:	**AKT Peerless Environ. Svcs, Inc. - Detroit**	Sample Matrix:	**Soil/Solid**
Fibertec Project Number:	**34020**	Sample Number:	**34020-016**

Client Sample Information

Project Identification:	**Van Dyke**	Client Sample Description:	**SB-10 (1-2) MS**
Project Number:	**6101D-2-20**	Client Sample Number:	**16**
Sample Date:	**5/6/2009**	Chain of Custody Number:	**90255**

Comments: **All Results Reported On Dry Weight Basis. Percent Moisture = 12.0%.**

Definitions/ Qualifiers:
A: Spike recovery or precision unusable due to dilution.
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Analyte	Result	Units	Report Limit	Dilution Factor	Prep Batch	Prep Date/Time	Analysis Date/Time	Analyst
Volatile Organic Compounds (VOCs) by GC/MS, 5035 (EPA 5035/EPA 8260B) (Estimated results for bromomethane, chloroethane, and methyl iodide, compounds failed low on CCV)								
1,2-Dibromo-3-chloropropane	**91**	% Recovery	NA	1	VA09E13B	5/6/2009	5/13/2009	JAS
Dibromomethane	**73**	% Recovery	NA	1	VA09E13B	5/6/2009	5/13/2009	JAS
1,2-Dichlorobenzene	**100**	% Recovery	NA	1	VA09E13B	5/6/2009	5/13/2009	JAS
1,3-Dichlorobenzene	**98**	% Recovery	NA	1	VA09E13B	5/6/2009	5/13/2009	JAS
1,4-Dichlorobenzene	**99**	% Recovery	NA	1	VA09E13B	5/6/2009	5/13/2009	JAS
Dichlorodifluoromethane	**127**	% Recovery	NA	1	VA09E13B	5/6/2009	5/13/2009	JAS
1,1-Dichloroethane	**106**	% Recovery	NA	1	VA09E13B	5/6/2009	5/13/2009	JAS
1,2-Dichloroethane	**127**	% Recovery	NA	1	VA09E13B	5/6/2009	5/13/2009	JAS
1,1-Dichloroethene	**115**	% Recovery	NA	1	VA09E13B	5/6/2009	5/13/2009	JAS
cis-1,2-Dichloroethene	**107**	% Recovery	NA	1	VA09E13B	5/6/2009	5/13/2009	JAS
trans-1,2-Dichloroethene	**119**	% Recovery	NA	1	VA09E13B	5/6/2009	5/13/2009	JAS
1,2-Dichloropropane	**131**	% Recovery	NA	1	VA09E13B	5/6/2009	5/13/2009	JAS
cis-1,3-Dichloropropene	**123**	% Recovery	NA	1	VA09E13B	5/6/2009	5/13/2009	JAS
trans-1,3-Dichloropropene	**119**	% Recovery	NA	1	VA09E13B	5/6/2009	5/13/2009	JAS
Ethylbenzene	**114**	% Recovery	NA	1	VA09E13B	5/6/2009	5/13/2009	JAS
Ethylene Dibromide	**124**	% Recovery	NA	1	VA09E13B	5/6/2009	5/13/2009	JAS
2-Hexanone	**82**	% Recovery	NA	1	VA09E13B	5/6/2009	5/13/2009	JAS
Methyl Iodide	**67**	% Recovery	NA	1	VA09E13B	5/6/2009	5/13/2009	JAS
Isopropylbenzene	**125**	% Recovery	NA	1	VA09E13B	5/6/2009	5/13/2009	JAS
4-Methyl-2-pentanone	**69**	% Recovery	NA	1	VA09E13B	5/6/2009	5/13/2009	JAS

Fibertec environmental services

Analytical Laboratory Report

Client Identification:	**AKT Peerless Environ. Svcs, Inc. - Detroit**	Sample Matrix:	**Soil/Solid**
Fibertec Project Number:	**34020**	Sample Number:	**34020-016**

Client Sample Information

Project Identification:	**Van Dyke**	Client Sample Description:	**SB-10 (1-2) MS**
Project Number:	**6101D-2-20**	Client Sample Number:	**16**
Sample Date:	**5/6/2009**	Chain of Custody Number:	**90255**

Comments: **All Results Reported On Dry Weight Basis. Percent Moisture = 12.0%.**

Definitions/ Qualifiers:
A: Spike recovery or precision unusable due to dilution.
B: The analyte was detected in the associated method blank.
E: The analyte was detected at a concentration greater than the calibration range, therefore the result is estimated.
J: The concentration is an estimated value.
U: The analyte was not detected at or above the reporting limit.
X: Matrix Interference has resulted in a raised reporting limit or distorted result.
W: Results reported on a wet-weight basis.
*: Value reported is outside QA limits

Analyte	Result	Units	Report Limit	Dilution Factor	Prep Batch	Prep Date/Time	Analysis Date/Time	Analyst
Volatile Organic Compounds (VOCs) by GC/MS, 5035 (EPA 5035/EPA 8260B) (Estimated results for bromomethane, chloroethane, and methyl iodide, compounds failed low on CCV)								
Methylene Chloride	**128**	% Recovery	NA	1	VA09E13B	5/6/2009	5/13/2009	JAS
MTBE	**129**	% Recovery	NA	1	VA09E13B	5/6/2009	5/13/2009	JAS
Naphthalene	**84**	% Recovery	NA	1	VA09E13B	5/6/2009	5/13/2009	JAS
n-Propylbenzene	**139**	% Recovery	NA	1	VA09E13B	5/6/2009	5/13/2009	JAS
Styrene	**105**	% Recovery	NA	1	VA09E13B	5/6/2009	5/13/2009	JAS
1,1,1,2-Tetrachloroethane	**108**	% Recovery	NA	1	VA09E13B	5/6/2009	5/13/2009	JAS
1,1,2,2-Tetrachloroethane	**153**	% Recovery	NA	1	VA09E13B	5/6/2009	5/13/2009	JAS
Tetrachloroethene	**101**	% Recovery	NA	1	VA09E13B	5/6/2009	5/13/2009	JAS
Toluene	**102**	% Recovery	NA	1	VA09E13B	5/6/2009	5/13/2009	JAS
1,2,4-Trichlorobenzene	**82**	% Recovery	NA	1	VA09E13B	5/6/2009	5/13/2009	JAS
1,1,1-Trichloroethane	**117**	% Recovery	NA	1	VA09E13B	5/6/2009	5/13/2009	JAS
1,1,2-Trichloroethane	**131**	% Recovery	NA	1	VA09E13B	5/6/2009	5/13/2009	JAS
Trichloroethene	**117**	% Recovery	NA	1	VA09E13B	5/6/2009	5/13/2009	JAS
Trichlorofluoromethane	**101**	% Recovery	NA	1	VA09E13B	5/6/2009	5/13/2009	JAS
1,2,3-Trichloropropane	**126**	% Recovery	NA	1	VA09E13B	5/6/2009	5/13/2009	JAS
1,2,3-Trimethylbenzene	**114**	% Recovery	NA	1	VA09E13B	5/6/2009	5/13/2009	JAS
1,2,4-Trimethylbenzene	**112**	% Recovery	NA	1	VA09E13B	5/6/2009	5/13/2009	JAS
1,3,5-Trimethylbenzene	**118**	% Recovery	NA	1	VA09E13B	5/6/2009	5/13/2009	JAS
Vinyl Chloride	**105**	% Recovery	NA	1	VA09E13B	5/6/2009	5/13/2009	JAS
Xylenes	**112**	% Recovery	NA	1	VA09E13B	5/6/2009	5/13/2009	JAS

Fibertec environmental services

Analytical Laboratory Report

Client Identification:	**AKT Peerless Environ. Svcs, Inc. - Detroit**	Sample Matrix:	**Soil/Solid**
Fibertec Project Number:	**34020**	Sample Number:	**34020-016A**

Client Sample Information

Project Identification:	**Van Dyke**	Client Sample Description:	**SB-10 (1-2) MS**
Project Number:	**6101D-2-20**	Client Sample Number:	**16**
Sample Date:	**5/6/2009**	Chain of Custody Number:	**90255**

Comments: **All Results Reported On Dry Weight Basis. Percent Moisture = 12.0%.**

Definitions/ Qualifiers:
A: Spike recovery or precision unusable due to dilution.
B: The analyte was detected in the associated method blank.
E: The analyte was detected at a concentration greater than the calibration range, therefore the result is estimated.
J: The concentration is an estimated value.
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X: Matrix Interference has resulted in a raised reporting limit or distorted result.
W: Results reported on a wet-weight basis.
*: Value reported is outside QA limits

Analyte	Result	Units	Report Limit	Dilution Factor	Prep Batch	Prep Date/Time	Analysis Date/Time	Analyst
Dry Weight Determination (ASTM D 2974-87)								
Percent Moisture (Water Content)	**12**	%	0.1	1	MC090511	5/12/2009	5/13/2009	BMG
Michigan 10 Elements by ICP/MS (EPA 3050B/EPA 6020)								
Arsenic	**111**	% Recovery	NA	1	PT09E13E	5/13/2009	5/14/2009	JLH
Barium	**127**	% Recovery	NA	1	PT09E13E	5/13/2009	5/14/2009	JLH
Cadmium	**96**	% Recovery	NA	1	PT09E13E	5/13/2009	5/14/2009	JLH
Chromium	**91**	% Recovery	NA	1	PT09E13E	5/13/2009	5/14/2009	JLH
Copper	**119**	% Recovery	NA	1	PT09E13E	5/13/2009	5/14/2009	JLH
Lead	**106**	% Recovery	NA	1	PT09E13E	5/13/2009	5/14/2009	JLH
Selenium	**85**	% Recovery	NA	1	PT09E13E	5/13/2009	5/14/2009	JLH
Silver	**95**	% Recovery	NA	1	PT09E13E	5/13/2009	5/14/2009	JLH
Zinc	**113**	% Recovery	NA	1	PT09E13E	5/13/2009	5/14/2009	JLH
Mercury by CVAAS (EPA 7471A)								
Mercury	**110**	% Recovery	NA	1	PM09E11A	5/11/2009	5/11/2009	JLH
Polynuclear Aromatic Hydrocarbons (PNAs) (EPA 3550B/EPA 8270C)								
Acenaphthene	**84**	% Recovery	NA	1	PS09E13E	5/13/2009	5/14/2009	TMC
Acenaphthylene	**84**	% Recovery	NA	1	PS09E13E	5/13/2009	5/14/2009	TMC
Anthracene	**87**	% Recovery	NA	1	PS09E13E	5/13/2009	5/14/2009	TMC
Benzo(a)anthracene	**88**	% Recovery	NA	1	PS09E13E	5/13/2009	5/14/2009	TMC
Benzo(a)pyrene	**89**	% Recovery	NA	1	PS09E13E	5/13/2009	5/14/2009	TMC
Benzo(b)fluoranthene	**91**	% Recovery	NA	1	PS09E13E	5/13/2009	5/14/2009	TMC
Benzo(ghi)perylene	**83**	% Recovery	NA	1	PS09E13E	5/13/2009	5/14/2009	TMC

Fibertec environmental services

Analytical Laboratory Report

Client Identification:	**AKT Peerless Environ. Svcs, Inc. - Detroit**	Sample Matrix:	**Soil/Solid**
Fibertec Project Number:	**34020**	Sample Number:	**34020-016A**

Client Sample Information

Project Identification:	**Van Dyke**	Client Sample Description:	**SB-10 (1-2) MS**
Project Number:	**6101D-2-20**	Client Sample Number:	**16**
Sample Date:	**5/6/2009**	Chain of Custody Number:	**90255**

Comments: **All Results Reported On Dry Weight Basis. Percent Moisture = 12.0%.**

Definitions/ Qualifiers:
A: Spike recovery or precision unusable due to dilution.
B: The analyte was detected in the associated method blank.
E: The analyte was detected at a concentration greater than the calibration range, therefore the result is estimated.
J: The concentration is an estimated value.
U: The analyte was not detected at or above the reporting limit.
X: Matrix Interference has resulted in a raised reporting limit or distorted result.
W: Results reported on a wet-weight basis.
*: Value reported is outside QA limits

Analyte	Result	Units	Report Limit	Dilution Factor	Prep Batch	Prep Date/Time	Analysis Date/Time	Analyst
Polynuclear Aromatic Hydrocarbons (PNAs) (EPA 3550B/EPA 8270C)								
Benzo(k)fluoranthene	**94**	% Recovery	NA	1	PS09E13E	5/13/2009	5/14/2009	TMC
Chrysene	**78**	% Recovery	NA	1	PS09E13E	5/13/2009	5/14/2009	TMC
Dibenzo(a,h)anthracene	**93**	% Recovery	NA	1	PS09E13E	5/13/2009	5/14/2009	TMC
Fluoranthene	**86**	% Recovery	NA	1	PS09E13E	5/13/2009	5/14/2009	TMC
Fluorene	**86**	% Recovery	NA	1	PS09E13E	5/13/2009	5/14/2009	TMC
Indeno(1,2,3-cd)pyrene	**86**	% Recovery	NA	1	PS09E13E	5/13/2009	5/14/2009	TMC
2-Methylnaphthalene	**73**	% Recovery	NA	1	PS09E13E	5/13/2009	5/14/2009	TMC
Phenanthrene	**89**	% Recovery	NA	1	PS09E13E	5/13/2009	5/14/2009	TMC
Pyrene	**93**	% Recovery	NA	1	PS09E13E	5/13/2009	5/14/2009	TMC

Fibertec environmental services

Analytical Laboratory Report

Client Identification:	**AKT Peerless Environ. Svcs, Inc. - Detroit**	Sample Matrix:	**Soil/Solid**
Fibertec Project Number:	**34020**	Sample Number:	**34020-017**

Client Sample Information

Project Identification:	**Van Dyke**	Client Sample Description:	**SB-10 (1-2) MSD**
Project Number:	**6101D-2-20**	Client Sample Number:	**17**
Sample Date:	**5/6/2009**	Chain of Custody Number:	**90255**

Comments: **All Results Reported On Dry Weight Basis. Percent Moisture = 12.1%.**

Definitions/ Qualifiers:
A: Spike recovery or precision unusable due to dilution.
B: The analyte was detected in the associated method blank.
E: The analyte was detected at a concentration greater than the calibration range, therefore the result is estimated.
J: The concentration is an estimated value.
U: The analyte was not detected at or above the reporting limit.
X: Matrix Interference has resulted in a raised reporting limit or distorted result.
W: Results reported on a wet-weight basis.
*: Value reported is outside QA limits

Analyte	Result	Units	Report Limit	Dilution Factor	Prep Batch	Prep Date/Time	Analysis Date/Time	Analyst
Volatile Organic Compounds (VOCs) by GC/MS, 5035 (EPA 5035/EPA 8260B) (Estimated results for bromomethane, chloroethane, and methyl iodide, compounds failed low on CCV)								
Acetone	**58**	% Recovery	NA	1	VA09E13B	5/6/2009	5/13/2009	JAS
Acrylonitrile	**22**	% Recovery	NA	1	VA09E13B	5/6/2009	5/13/2009	JAS
Benzene	**120**	% Recovery	NA	1	VA09E13B	5/6/2009	5/13/2009	JAS
Bromobenzene	**135**	% Recovery	NA	1	VA09E13B	5/6/2009	5/13/2009	JAS
Bromochloromethane	**122**	% Recovery	NA	1	VA09E13B	5/6/2009	5/13/2009	JAS
Bromodichloromethane	**99**	% Recovery	NA	1	VA09E13B	5/6/2009	5/13/2009	JAS
Bromoform	**81**	% Recovery	NA	1	VA09E13B	5/6/2009	5/13/2009	JAS
Bromomethane	**75**	% Recovery	NA	1	VA09E13B	5/6/2009	5/13/2009	JAS
2-Butanone	**58**	% Recovery	NA	1	VA09E13B	5/6/2009	5/13/2009	JAS
n-Butylbenzene	**119**	% Recovery	NA	1	VA09E13B	5/6/2009	5/13/2009	JAS
sec-Butylbenzene	**123**	% Recovery	NA	1	VA09E13B	5/6/2009	5/13/2009	JAS
tert-Butylbenzene	**119**	% Recovery	NA	1	VA09E13B	5/6/2009	5/13/2009	JAS
Carbon Disulfide	**130**	% Recovery	NA	1	VA09E13B	5/6/2009	5/13/2009	JAS
Carbon Tetrachloride	**109**	% Recovery	NA	1	VA09E13B	5/6/2009	5/13/2009	JAS
Chlorobenzene	**110**	% Recovery	NA	1	VA09E13B	5/6/2009	5/13/2009	JAS
Chloroethane	**105**	% Recovery	NA	1	VA09E13B	5/6/2009	5/13/2009	JAS
Chloroform	**107**	% Recovery	NA	1	VA09E13B	5/6/2009	5/13/2009	JAS
Chloromethane	**136**	% Recovery	NA	1	VA09E13B	5/6/2009	5/13/2009	JAS
2-Chlorotoluene	**128**	% Recovery	NA	1	VA09E13B	5/6/2009	5/13/2009	JAS
Dibromochloromethane	**99**	% Recovery	NA	1	VA09E13B	5/6/2009	5/13/2009	JAS

Fibertec environmental services

Analytical Laboratory Report

Client Identification:	**AKT Peerless Environ. Svcs, Inc. - Detroit**	Sample Matrix:	**Soil/Solid**
Fibertec Project Number:	**34020**	Sample Number:	**34020-017**

Client Sample Information

Project Identification:	**Van Dyke**	Client Sample Description:	**SB-10 (1-2) MSD**
Project Number:	**6101D-2-20**	Client Sample Number:	**17**
Sample Date:	**5/6/2009**	Chain of Custody Number:	**90255**

Comments: **All Results Reported On Dry Weight Basis. Percent Moisture = 12.1%.**

Definitions/ Qualifiers:
A: Spike recovery or precision unusable due to dilution.
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*: Value reported is outside QA limits

Analyte	Result	Units	Report Limit	Dilution Factor	Prep Batch	Prep Date/Time	Analysis Date/Time	Analyst
Volatile Organic Compounds (VOCs) by GC/MS, 5035 (EPA 5035/EPA 8260B) (Estimated results for bromomethane, chloroethane, and methyl iodide, compounds failed low on CCV)								
1,2-Dibromo-3-chloropropane	**91**	% Recovery	NA	1	VA09E13B	5/6/2009	5/13/2009	JAS
Dibromomethane	**76**	% Recovery	NA	1	VA09E13B	5/6/2009	5/13/2009	JAS
1,2-Dichlorobenzene	**99**	% Recovery	NA	1	VA09E13B	5/6/2009	5/13/2009	JAS
1,3-Dichlorobenzene	**99**	% Recovery	NA	1	VA09E13B	5/6/2009	5/13/2009	JAS
1,4-Dichlorobenzene	**99**	% Recovery	NA	1	VA09E13B	5/6/2009	5/13/2009	JAS
Dichlorodifluoromethane	**131**	% Recovery	NA	1	VA09E13B	5/6/2009	5/13/2009	JAS
1,1-Dichloroethane	**109**	% Recovery	NA	1	VA09E13B	5/6/2009	5/13/2009	JAS
1,2-Dichloroethane	**129**	% Recovery	NA	1	VA09E13B	5/6/2009	5/13/2009	JAS
1,1-Dichloroethene	**118**	% Recovery	NA	1	VA09E13B	5/6/2009	5/13/2009	JAS
cis-1,2-Dichloroethene	**111**	% Recovery	NA	1	VA09E13B	5/6/2009	5/13/2009	JAS
trans-1,2-Dichloroethene	**125**	% Recovery	NA	1	VA09E13B	5/6/2009	5/13/2009	JAS
1,2-Dichloropropane	**132**	% Recovery	NA	1	VA09E13B	5/6/2009	5/13/2009	JAS
cis-1,3-Dichloropropene	**126**	% Recovery	NA	1	VA09E13B	5/6/2009	5/13/2009	JAS
trans-1,3-Dichloropropene	**122**	% Recovery	NA	1	VA09E13B	5/6/2009	5/13/2009	JAS
Ethylbenzene	**115**	% Recovery	NA	1	VA09E13B	5/6/2009	5/13/2009	JAS
Ethylene Dibromide	**125**	% Recovery	NA	1	VA09E13B	5/6/2009	5/13/2009	JAS
2-Hexanone	**74**	% Recovery	NA	1	VA09E13B	5/6/2009	5/13/2009	JAS
Methyl Iodide	**72**	% Recovery	NA	1	VA09E13B	5/6/2009	5/13/2009	JAS
Isopropylbenzene	**125**	% Recovery	NA	1	VA09E13B	5/6/2009	5/13/2009	JAS
4-Methyl-2-pentanone	**69**	% Recovery	NA	1	VA09E13B	5/6/2009	5/13/2009	JAS

Fibertec environmental services

Analytical Laboratory Report

Client Identification:	**AKT Peerless Environ. Svcs, Inc. - Detroit**	Sample Matrix:	**Soil/Solid**
Fibertec Project Number:	**34020**	Sample Number:	**34020-017**

Client Sample Information

Project Identification:	**Van Dyke**	Client Sample Description:	**SB-10 (1-2) MSD**
Project Number:	**6101D-2-20**	Client Sample Number:	**17**
Sample Date:	**5/6/2009**	Chain of Custody Number:	**90255**

Comments: **All Results Reported On Dry Weight Basis. Percent Moisture = 12.1%.**

Definitions/ Qualifiers:
A: Spike recovery or precision unusable due to dilution.
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Analyte	Result	Units	Report Limit	Dilution Factor	Prep Batch	Prep Date/Time	Analysis Date/Time	Analyst
Volatile Organic Compounds (VOCs) by GC/MS, 5035 (EPA 5035/EPA 8260B) (Estimated results for bromomethane, chloroethane, and methyl iodide, compounds failed low on CCV)								
Methylene Chloride	**135**	% Recovery	NA	1	VA09E13B	5/6/2009	5/13/2009	JAS
MTBE	**131**	% Recovery	NA	1	VA09E13B	5/6/2009	5/13/2009	JAS
Naphthalene	**82**	% Recovery	NA	1	VA09E13B	5/6/2009	5/13/2009	JAS
n-Propylbenzene	**135**	% Recovery	NA	1	VA09E13B	5/6/2009	5/13/2009	JAS
Styrene	**105**	% Recovery	NA	1	VA09E13B	5/6/2009	5/13/2009	JAS
1,1,1,2-Tetrachloroethane	**108**	% Recovery	NA	1	VA09E13B	5/6/2009	5/13/2009	JAS
1,1,2,2-Tetrachloroethane	**150**	% Recovery	NA	1	VA09E13B	5/6/2009	5/13/2009	JAS
Tetrachloroethene	**102**	% Recovery	NA	1	VA09E13B	5/6/2009	5/13/2009	JAS
Toluene	**104**	% Recovery	NA	1	VA09E13B	5/6/2009	5/13/2009	JAS
1,2,4-Trichlorobenzene	**82**	% Recovery	NA	1	VA09E13B	5/6/2009	5/13/2009	JAS
1,1,1-Trichloroethane	**124**	% Recovery	NA	1	VA09E13B	5/6/2009	5/13/2009	JAS
1,1,2-Trichloroethane	**132**	% Recovery	NA	1	VA09E13B	5/6/2009	5/13/2009	JAS
Trichloroethene	**119**	% Recovery	NA	1	VA09E13B	5/6/2009	5/13/2009	JAS
Trichlorofluoromethane	**106**	% Recovery	NA	1	VA09E13B	5/6/2009	5/13/2009	JAS
1,2,3-Trichloropropane	**122**	% Recovery	NA	1	VA09E13B	5/6/2009	5/13/2009	JAS
1,2,3-Trimethylbenzene	**114**	% Recovery	NA	1	VA09E13B	5/6/2009	5/13/2009	JAS
1,2,4-Trimethylbenzene	**113**	% Recovery	NA	1	VA09E13B	5/6/2009	5/13/2009	JAS
1,3,5-Trimethylbenzene	**118**	% Recovery	NA	1	VA09E13B	5/6/2009	5/13/2009	JAS
Vinyl Chloride	**120**	% Recovery	NA	1	VA09E13B	5/6/2009	5/13/2009	JAS
Xylenes	**113**	% Recovery	NA	1	VA09E13B	5/6/2009	5/13/2009	JAS

Fibertec environmental services

Analytical Laboratory Report

Client Identification:	**AKT Peerless Environ. Svcs, Inc. - Detroit**	Sample Matrix:	**Soil/Solid**
Fibertec Project Number:	**34020**	Sample Number:	**34020-017A**

Client Sample Information

Project Identification:	**Van Dyke**	Client Sample Description:	**SB-10 (1-2) MSD**
Project Number:	**6101D-2-20**	Client Sample Number:	**17**
Sample Date:	**5/6/2009**	Chain of Custody Number:	**90255**

Comments: **All Results Reported On Dry Weight Basis. Percent Moisture = 12.1%.**

Definitions/ Qualifiers:
A: Spike recovery or precision unusable due to dilution.
B: The analyte was detected in the associated method blank.
E: The analyte was detected at a concentration greater than the calibration range, therefore the result is estimated.
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Analyte	Result	Units	Report Limit	Dilution Factor	Prep Batch	Prep Date/Time	Analysis Date/Time	Analyst
Dry Weight Determination (ASTM D 2974-87)								
Percent Moisture (Water Content)	**12**	%	0.1	1	MC090511	5/12/2009	5/13/2009	BMG
Michigan 10 Elements by ICP/MS (EPA 3050B/EPA 6020)								
Arsenic	**121**	% Recovery	NA	1	PT09E13E	5/13/2009	5/14/2009	JLH
Barium	**155**	% Recovery	NA	1	PT09E13E	5/13/2009	5/14/2009	JLH
Cadmium	**99**	% Recovery	NA	1	PT09E13E	5/13/2009	5/14/2009	JLH
Chromium	**89**	% Recovery	NA	1	PT09E13E	5/13/2009	5/14/2009	JLH
Copper	**160**	% Recovery	NA	1	PT09E13E	5/13/2009	5/14/2009	JLH
Lead	**125**	% Recovery	NA	1	PT09E13E	5/13/2009	5/14/2009	JLH
Selenium	**86**	% Recovery	NA	1	PT09E13E	5/13/2009	5/14/2009	JLH
Silver	**96**	% Recovery	NA	1	PT09E13E	5/13/2009	5/14/2009	JLH
Zinc	**156**	% Recovery	NA	1	PT09E13E	5/13/2009	5/14/2009	JLH
Mercury by CVAAS (EPA 7471A)								
Mercury	**113**	% Recovery	NA	1	PM09E11A	5/11/2009	5/11/2009	JLH
Polynuclear Aromatic Hydrocarbons (PNAs) (EPA 3550B/EPA 8270C)								
Acenaphthene	**84**	% Recovery	NA	1	PS09E13E	5/13/2009	5/14/2009	TMC
Acenaphthylene	**87**	% Recovery	NA	1	PS09E13E	5/13/2009	5/14/2009	TMC
Anthracene	**87**	% Recovery	NA	1	PS09E13E	5/13/2009	5/14/2009	TMC
Benzo(a)anthracene	**86**	% Recovery	NA	1	PS09E13E	5/13/2009	5/14/2009	TMC
Benzo(a)pyrene	**89**	% Recovery	NA	1	PS09E13E	5/13/2009	5/14/2009	TMC
Benzo(b)fluoranthene	**92**	% Recovery	NA	1	PS09E13E	5/13/2009	5/14/2009	TMC
Benzo(ghi)perylene	**82**	% Recovery	NA	1	PS09E13E	5/13/2009	5/14/2009	TMC

Fibertec environmental services

Analytical Laboratory Report

Client Identification:	**AKT Peerless Environ. Svcs, Inc. - Detroit**	Sample Matrix:	**Soil/Solid**
Fibertec Project Number:	**34020**	Sample Number:	**34020-017A**

Client Sample Information

Project Identification:	**Van Dyke**	Client Sample Description:	**SB-10 (1-2) MSD**
Project Number:	**6101D-2-20**	Client Sample Number:	**17**
Sample Date:	**5/6/2009**	Chain of Custody Number:	**90255**

Comments: **All Results Reported On Dry Weight Basis. Percent Moisture = 12.1%.**

Definitions/ Qualifiers:
A: Spike recovery or precision unusable due to dilution.
B: The analyte was detected in the associated method blank.
E: The analyte was detected at a concentration greater than the calibration range, therefore the result is estimated.
J: The concentration is an estimated value.
U: The analyte was not detected at or above the reporting limit.
X: Matrix Interference has resulted in a raised reporting limit or distorted result.
W: Results reported on a wet-weight basis.
*: Value reported is outside QA limits

Analyte	Result	Units	Report Limit	Dilution Factor	Prep Batch	Prep Date/Time	Analysis Date/Time	Analyst
Polynuclear Aromatic Hydrocarbons (PNAs) (EPA 3550B/EPA 8270C)								
Benzo(k)fluoranthene	**92**	% Recovery	NA	1	PS09E13E	5/13/2009	5/14/2009	TMC
Chrysene	**76**	% Recovery	NA	1	PS09E13E	5/13/2009	5/14/2009	TMC
Dibenzo(a,h)anthracene	**92**	% Recovery	NA	1	PS09E13E	5/13/2009	5/14/2009	TMC
Fluoranthene	**88**	% Recovery	NA	1	PS09E13E	5/13/2009	5/14/2009	TMC
Fluorene	**86**	% Recovery	NA	1	PS09E13E	5/13/2009	5/14/2009	TMC
Indeno(1,2,3-cd)pyrene	**86**	% Recovery	NA	1	PS09E13E	5/13/2009	5/14/2009	TMC
2-Methylnaphthalene	**77**	% Recovery	NA	1	PS09E13E	5/13/2009	5/14/2009	TMC
Phenanthrene	**89**	% Recovery	NA	1	PS09E13E	5/13/2009	5/14/2009	TMC
Pyrene	**90**	% Recovery	NA	1	PS09E13E	5/13/2009	5/14/2009	TMC

Fibertec environmental services

Analytical Laboratory Report

Client Identification:	**AKT Peerless Environ. Svcs, Inc. - Detroit**	Sample Matrix:	**Soil/Solid**
Fibertec Project Number:	**34020**	Sample Number:	**34020-018**

Client Sample Information

Project Identification:	**Van Dyke**	Client Sample Description:	**SB-11 (2-3)**
Project Number:	**6101D-2-20**	Client Sample Number:	**18**
Sample Date:	**5/6/2009**	Chain of Custody Number:	**90255**

Comments: **All Results Reported On Dry Weight Basis. Percent Moisture = 17.8%.**

Definitions/ Qualifiers:
A: Spike recovery or precision unusable due to dilution.
B: The analyte was detected in the associated method blank.
E: The analyte was detected at a concentration greater than the calibration range, therefore the result is estimated.
J: The concentration is an estimated value.
U: The analyte was not detected at or above the reporting limit.
X: Matrix Interference has resulted in a raised reporting limit or distorted result.
W: Results reported on a wet-weight basis.
*: Value reported is outside QA limits

Analyte	Result	Units	Report Limit	Dilution Factor	Prep Batch	Prep Date/Time	Analysis Date/Time	Analyst
Volatile Organic Compounds (VOCs) by GC/MS, 5035 (EPA 5035/EPA 8260B)								
Acetone	U	µg/kg	1200	1	V909E13B	5/6/2009	5/13/2009	BAG
Acrylonitrile	U	µg/kg	120	1	V909E13B	5/6/2009	5/13/2009	BAG
Benzene	U	µg/kg	61	1	V909E13B	5/6/2009	5/13/2009	BAG
Bromobenzene	U	µg/kg	120	1	V909E13B	5/6/2009	5/13/2009	BAG
Bromochloromethane	U	µg/kg	120	1	V909E13B	5/6/2009	5/13/2009	BAG
Bromodichloromethane	U	µg/kg	120	1	V909E13B	5/6/2009	5/13/2009	BAG
Bromoform	U	µg/kg	120	1	V909E13B	5/6/2009	5/13/2009	BAG
Bromomethane	U	µg/kg	240	1	V909E13B	5/6/2009	5/13/2009	BAG
2-Butanone	U	µg/kg	910	1	V909E13B	5/6/2009	5/13/2009	BAG
n-Butylbenzene	U	µg/kg	61	1	V909E13B	5/6/2009	5/13/2009	BAG
sec-Butylbenzene	U	µg/kg	61	1	V909E13B	5/6/2009	5/13/2009	BAG
tert-Butylbenzene	U	µg/kg	61	1	V909E13B	5/6/2009	5/13/2009	BAG
Carbon Disulfide	U	µg/kg	300	1	V909E13B	5/6/2009	5/13/2009	BAG
Carbon Tetrachloride	U	µg/kg	61	1	V909E13B	5/6/2009	5/13/2009	BAG
Chlorobenzene	U	µg/kg	61	1	V909E13B	5/6/2009	5/13/2009	BAG
Chloroethane	U	µg/kg	300	1	V909E13B	5/6/2009	5/13/2009	BAG
Chloroform	U	µg/kg	61	1	V909E13B	5/6/2009	5/13/2009	BAG
Chloromethane	U	µg/kg	300	1	V909E13B	5/6/2009	5/13/2009	BAG
2-Chlorotoluene	U	µg/kg	61	1	V909E13B	5/6/2009	5/13/2009	BAG
Dibromochloromethane	U	µg/kg	120	1	V909E13B	5/6/2009	5/13/2009	BAG

Fibertec environmental services

Analytical Laboratory Report

Client Identification:	**AKT Peerless Environ. Svcs, Inc. - Detroit**	Sample Matrix:	**Soil/Solid**
Fibertec Project Number:	**34020**	Sample Number:	**34020-018**

Client Sample Information

Project Identification:	**Van Dyke**	Client Sample Description:	**SB-11 (2-3)**
Project Number:	**6101D-2-20**	Client Sample Number:	**18**
Sample Date:	**5/6/2009**	Chain of Custody Number:	**90255**

Comments: **All Results Reported On Dry Weight Basis. Percent Moisture = 17.8%.**

Definitions/ Qualifiers:
A: Spike recovery or precision unusable due to dilution.
B: The analyte was detected in the associated method blank.
E: The analyte was detected at a concentration greater than the calibration range, therefore the result is estimated.
J: The concentration is an estimated value.
U: The analyte was not detected at or above the reporting limit.
X: Matrix Interference has resulted in a raised reporting limit or distorted result.
W: Results reported on a wet-weight basis.
*: Value reported is outside QA limits

Analyte	Result	Units	Report Limit	Dilution Factor	Prep Batch	Prep Date/Time	Analysis Date/Time	Analyst
Volatile Organic Compounds (VOCs) by GC/MS, 5035 (EPA 5035/EPA 8260B)								
1,2-Dibromo-3-chloropropane	U	µg/kg	12	1	V909E13B	5/6/2009	5/13/2009	BAG
Dibromomethane	U	µg/kg	300	1	V909E13B	5/6/2009	5/13/2009	BAG
1,2-Dichlorobenzene	U	µg/kg	120	1	V909E13B	5/6/2009	5/13/2009	BAG
1,3-Dichlorobenzene	U	µg/kg	120	1	V909E13B	5/6/2009	5/13/2009	BAG
1,4-Dichlorobenzene	U	µg/kg	120	1	V909E13B	5/6/2009	5/13/2009	BAG
Dichlorodifluoromethane	U	µg/kg	300	1	V909E13B	5/6/2009	5/13/2009	BAG
1,1-Dichloroethane	U	µg/kg	61	1	V909E13B	5/6/2009	5/13/2009	BAG
1,2-Dichloroethane	U	µg/kg	61	1	V909E13B	5/6/2009	5/13/2009	BAG
1,1-Dichloroethene	U	µg/kg	36	1	V909E13B	5/6/2009	5/13/2009	BAG
cis-1,2-Dichloroethene	U	µg/kg	61	1	V909E13B	5/6/2009	5/13/2009	BAG
trans-1,2-Dichloroethene	U	µg/kg	61	1	V909E13B	5/6/2009	5/13/2009	BAG
1,2-Dichloropropane	U	µg/kg	61	1	V909E13B	5/6/2009	5/13/2009	BAG
cis-1,3-Dichloropropene	U	µg/kg	61	1	V909E13B	5/6/2009	5/13/2009	BAG
trans-1,3-Dichloropropene	U	µg/kg	61	1	V909E13B	5/6/2009	5/13/2009	BAG
Ethylbenzene	U	µg/kg	61	1	V909E13B	5/6/2009	5/13/2009	BAG
Ethylene Dibromide	U	µg/kg	24	1	V909E13B	5/6/2009	5/13/2009	BAG
2-Hexanone	U	µg/kg	3000	1	V909E13B	5/6/2009	5/13/2009	BAG
Methyl Iodide	U	µg/kg	500	4.1	V909E13B	5/6/2009	5/13/2009	BAG
Isopropylbenzene	U	µg/kg	300	1	V909E13B	5/6/2009	5/13/2009	BAG
4-Methyl-2-pentanone	U	µg/kg	3000	1	V909E13B	5/6/2009	5/13/2009	BAG

Fibertec environmental services

Analytical Laboratory Report

Client Identification:	**AKT Peerless Environ. Svcs, Inc. - Detroit**	Sample Matrix:	**Soil/Solid**
Fibertec Project Number:	**34020**	Sample Number:	**34020-018**

Client Sample Information

Project Identification:	**Van Dyke**	Client Sample Description:	**SB-11 (2-3)**
Project Number:	**6101D-2-20**	Client Sample Number:	**18**
Sample Date:	**5/6/2009**	Chain of Custody Number:	**90255**
Comments:	**All Results Reported On Dry Weight Basis. Percent Moisture = 17.8%.**		

Definitions/ Qualifiers:
A: Spike recovery or precision unusable due to dilution.
B: The analyte was detected in the associated method blank.
E: The analyte was detected at a concentration greater than the calibration range, therefore the result is estimated.
J: The concentration is an estimated value.
U: The analyte was not detected at or above the reporting limit.
X: Matrix Interference has resulted in a raised reporting limit or distorted result.
W: Results reported on a wet-weight basis.
*: Value reported is outside QA limits

Analyte	Result	Units	Report Limit	Dilution Factor	Prep Batch	Prep Date/Time	Analysis Date/Time	Analyst
Volatile Organic Compounds (VOCs) by GC/MS, 5035 (EPA 5035/EPA 8260B)								
Methylene Chloride	U	µg/kg	120	1	V909E13B	5/6/2009	5/13/2009	BAG
2-Methylnaphthalene	U	µg/kg	400	1	V909E13B	5/6/2009	5/13/2009	BAG
MTBE	U	µg/kg	300	1	V909E13B	5/6/2009	5/13/2009	BAG
Naphthalene	U	µg/kg	400	1	V909E13B	5/6/2009	5/13/2009	BAG
n-Propylbenzene	U	µg/kg	120	1	V909E13B	5/6/2009	5/13/2009	BAG
Styrene	U	µg/kg	61	1	V909E13B	5/6/2009	5/13/2009	BAG
1,1,1,2-Tetrachloroethane	U	µg/kg	120	1	V909E13B	5/6/2009	5/13/2009	BAG
1,1,2,2-Tetrachloroethane	U	µg/kg	61	1	V909E13B	5/6/2009	5/13/2009	BAG
Tetrachloroethene	U	µg/kg	61	1	V909E13B	5/6/2009	5/13/2009	BAG
Toluene	U	µg/kg	61	1	V909E13B	5/6/2009	5/13/2009	BAG
1,2,4-Trichlorobenzene	U	µg/kg	400	1	V909E13B	5/6/2009	5/13/2009	BAG
1,1,1-Trichloroethane	U	µg/kg	61	1	V909E13B	5/6/2009	5/13/2009	BAG
1,1,2-Trichloroethane	U	µg/kg	61	1	V909E13B	5/6/2009	5/13/2009	BAG
Trichloroethene	U	µg/kg	61	1	V909E13B	5/6/2009	5/13/2009	BAG
Trichlorofluoromethane	U	µg/kg	120	1	V909E13B	5/6/2009	5/13/2009	BAG
1,2,3-Trichloropropane	U	µg/kg	120	1	V909E13B	5/6/2009	5/13/2009	BAG
1,2,3-Trimethylbenzene	U	µg/kg	120	1	V909E13B	5/6/2009	5/13/2009	BAG
1,2,4-Trimethylbenzene	U	µg/kg	120	1	V909E13B	5/6/2009	5/13/2009	BAG
1,3,5-Trimethylbenzene	U	µg/kg	120	1	V909E13B	5/6/2009	5/13/2009	BAG
Vinyl Chloride	U	µg/kg	49	1	V909E13B	5/6/2009	5/13/2009	BAG

Fibertec environmental services

Analytical Laboratory Report

Client Identification:	**AKT Peerless Environ. Svcs, Inc. - Detroit**	Sample Matrix:	**Soil/Solid**
Fibertec Project Number:	**34020**	Sample Number:	**34020-018**

Client Sample Information

Project Identification:	**Van Dyke**	Client Sample Description:	**SB-11 (2-3)**
Project Number:	**6101D-2-20**	Client Sample Number:	**18**
Sample Date:	**5/6/2009**	Chain of Custody Number:	**90255**

Comments: **All Results Reported On Dry Weight Basis. Percent Moisture = 17.8%.**

Definitions/ Qualifiers:
A: Spike recovery or precision unusable due to dilution.
B: The analyte was detected in the associated method blank.
E: The analyte was detected at a concentration greater than the calibration range, therefore the result is estimated.
J: The concentration is an estimated value.
U: The analyte was not detected at or above the reporting limit.
X: Matrix Interference has resulted in a raised reporting limit or distorted result.
W: Results reported on a wet-weight basis.
*: Value reported is outside QA limits

Analyte	Result	Units	Report Limit	Dilution Factor	Prep Batch	Prep Date/Time	Analysis Date/Time	Analyst
Volatile Organic Compounds (VOCs) by GC/MS, 5035 (EPA 5035/EPA 8260B)								
Xylenes	U	µg/kg	180	1	V909E13B	5/6/2009	5/13/2009	BAG

Fibertec environmental services

Analytical Laboratory Report

Client Identification:	**AKT Peerless Environ. Svcs, Inc. - Detroit**	Sample Matrix:	**Soil/Solid**
Fibertec Project Number:	**34020**	Sample Number:	**34020-018A**

Client Sample Information

Project Identification:	**Van Dyke**	Client Sample Description:	**SB-11 (2-3)**
Project Number:	**6101D-2-20**	Client Sample Number:	**18**
Sample Date:	**5/6/2009**	Chain of Custody Number:	**90255**

Comments: **All Results Reported On Dry Weight Basis. Percent Moisture = 17.8%.**

Definitions/ Qualifiers:
A: Spike recovery or precision unusable due to dilution.
B: The analyte was detected in the associated method blank.
E: The analyte was detected at a concentration greater than the calibration range, therefore the result is estimated.
J: The concentration is an estimated value.
U: The analyte was not detected at or above the reporting limit.
X: Matrix Interference has resulted in a raised reporting limit or distorted result.
W: Results reported on a wet-weight basis.
*: Value reported is outside QA limits

Analyte	Result	Units	Report Limit	Dilution Factor	Prep Batch	Prep Date/Time	Analysis Date/Time	Analyst
Dry Weight Determination (ASTM D 2974-87)								
Percent Moisture (Water Content)	**18**	%	0.1	1	MC090511	5/12/2009	5/13/2009	BMG

Fibertec environmental services

Analytical Laboratory Report

Client Identification:	**AKT Peerless Environ. Svcs, Inc. - Detroit**	Sample Matrix:	**Soil/Solid**
Fibertec Project Number:	**34020**	Sample Number:	**34020-019**

Client Sample Information

Project Identification:	**Van Dyke**	Client Sample Description:	**SB-11 (4-5)**
Project Number:	**6101D-2-20**	Client Sample Number:	**19**
Sample Date:	**5/6/2009**	Chain of Custody Number:	**90255**

Comments: **All Results Reported On Dry Weight Basis. Percent Moisture = 15.9%.**

Definitions/ Qualifiers:
A: Spike recovery or precision unusable due to dilution.
B: The analyte was detected in the associated method blank.
E: The analyte was detected at a concentration greater than the calibration range, therefore the result is estimated.
J: The concentration is an estimated value.
U: The analyte was not detected at or above the reporting limit.
X: Matrix Interference has resulted in a raised reporting limit or distorted result.
W: Results reported on a wet-weight basis.
*: Value reported is outside QA limits

Analyte	Result	Units	Report Limit	Dilution Factor	Prep Batch	Prep Date/Time	Analysis Date/Time	Analyst
Volatile Organic Compounds (VOCs) by GC/MS, 5035 (EPA 5035/EPA 8260B)								
Acetone	U	µg/kg	1200	1	V909E13B	5/6/2009	5/13/2009	BAG
Acrylonitrile	U	µg/kg	120	1	V909E13B	5/6/2009	5/13/2009	BAG
Benzene	U	µg/kg	59	1	V909E13B	5/6/2009	5/13/2009	BAG
Bromobenzene	U	µg/kg	120	1	V909E13B	5/6/2009	5/13/2009	BAG
Bromochloromethane	U	µg/kg	120	1	V909E13B	5/6/2009	5/13/2009	BAG
Bromodichloromethane	U	µg/kg	120	1	V909E13B	5/6/2009	5/13/2009	BAG
Bromoform	U	µg/kg	120	1	V909E13B	5/6/2009	5/13/2009	BAG
Bromomethane	U	µg/kg	240	1	V909E13B	5/6/2009	5/13/2009	BAG
2-Butanone	U	µg/kg	890	1	V909E13B	5/6/2009	5/13/2009	BAG
n-Butylbenzene	U	µg/kg	59	1	V909E13B	5/6/2009	5/13/2009	BAG
sec-Butylbenzene	U	µg/kg	59	1	V909E13B	5/6/2009	5/13/2009	BAG
tert-Butylbenzene	U	µg/kg	59	1	V909E13B	5/6/2009	5/13/2009	BAG
Carbon Disulfide	U	µg/kg	300	1	V909E13B	5/6/2009	5/13/2009	BAG
Carbon Tetrachloride	U	µg/kg	59	1	V909E13B	5/6/2009	5/13/2009	BAG
Chlorobenzene	U	µg/kg	59	1	V909E13B	5/6/2009	5/13/2009	BAG
Chloroethane	U	µg/kg	300	1	V909E13B	5/6/2009	5/13/2009	BAG
Chloroform	U	µg/kg	59	1	V909E13B	5/6/2009	5/13/2009	BAG
Chloromethane	U	µg/kg	300	1	V909E13B	5/6/2009	5/13/2009	BAG
2-Chlorotoluene	U	µg/kg	59	1	V909E13B	5/6/2009	5/13/2009	BAG
Dibromochloromethane	U	µg/kg	120	1	V909E13B	5/6/2009	5/13/2009	BAG

Fibertec environmental services

Analytical Laboratory Report

Client Identification:	**AKT Peerless Environ. Svcs, Inc. - Detroit**	Sample Matrix:	**Soil/Solid**
Fibertec Project Number:	**34020**	Sample Number:	**34020-019**

Client Sample Information

Project Identification:	**Van Dyke**	Client Sample Description:	**SB-11 (4-5)**
Project Number:	**6101D-2-20**	Client Sample Number:	**19**
Sample Date:	**5/6/2009**	Chain of Custody Number:	**90255**

Comments: **All Results Reported On Dry Weight Basis. Percent Moisture = 15.9%.**

Definitions/ Qualifiers:
A: Spike recovery or precision unusable due to dilution.
B: The analyte was detected in the associated method blank.
E: The analyte was detected at a concentration greater than the calibration range, therefore the result is estimated.
J: The concentration is an estimated value.
U: The analyte was not detected at or above the reporting limit.
X: Matrix Interference has resulted in a raised reporting limit or distorted result.
W: Results reported on a wet-weight basis.
*: Value reported is outside QA limits

Analyte	Result	Units	Report Limit	Dilution Factor	Prep Batch	Prep Date/Time	Analysis Date/Time	Analyst
Volatile Organic Compounds (VOCs) by GC/MS, 5035 (EPA 5035/EPA 8260B)								
1,2-Dibromo-3-chloropropane	U	µg/kg	12	1	V909E13B	5/6/2009	5/13/2009	BAG
Dibromomethane	U	µg/kg	300	1	V909E13B	5/6/2009	5/13/2009	BAG
1,2-Dichlorobenzene	U	µg/kg	120	1	V909E13B	5/6/2009	5/13/2009	BAG
1,3-Dichlorobenzene	U	µg/kg	120	1	V909E13B	5/6/2009	5/13/2009	BAG
1,4-Dichlorobenzene	U	µg/kg	120	1	V909E13B	5/6/2009	5/13/2009	BAG
Dichlorodifluoromethane	U	µg/kg	300	1	V909E13B	5/6/2009	5/13/2009	BAG
1,1-Dichloroethane	U	µg/kg	59	1	V909E13B	5/6/2009	5/13/2009	BAG
1,2-Dichloroethane	U	µg/kg	59	1	V909E13B	5/6/2009	5/13/2009	BAG
1,1-Dichloroethene	U	µg/kg	36	1	V909E13B	5/6/2009	5/13/2009	BAG
cis-1,2-Dichloroethene	U	µg/kg	59	1	V909E13B	5/6/2009	5/13/2009	BAG
trans-1,2-Dichloroethene	U	µg/kg	59	1	V909E13B	5/6/2009	5/13/2009	BAG
1,2-Dichloropropane	U	µg/kg	59	1	V909E13B	5/6/2009	5/13/2009	BAG
cis-1,3-Dichloropropene	U	µg/kg	59	1	V909E13B	5/6/2009	5/13/2009	BAG
trans-1,3-Dichloropropene	U	µg/kg	59	1	V909E13B	5/6/2009	5/13/2009	BAG
Ethylbenzene	U	µg/kg	59	1	V909E13B	5/6/2009	5/13/2009	BAG
Ethylene Dibromide	U	µg/kg	24	1	V909E13B	5/6/2009	5/13/2009	BAG
2-Hexanone	U	µg/kg	3000	1	V909E13B	5/6/2009	5/13/2009	BAG
Methyl Iodide	U	µg/kg	370	3.1	V909E13B	5/6/2009	5/13/2009	BAG
Isopropylbenzene	U	µg/kg	300	1	V909E13B	5/6/2009	5/13/2009	BAG
4-Methyl-2-pentanone	U	µg/kg	3000	1	V909E13B	5/6/2009	5/13/2009	BAG

Fibertec environmental services

Analytical Laboratory Report

Client Identification:	**AKT Peerless Environ. Svcs, Inc. - Detroit**	Sample Matrix:	**Soil/Solid**
Fibertec Project Number:	**34020**	Sample Number:	**34020-019**

Client Sample Information

Project Identification:	**Van Dyke**	Client Sample Description:	**SB-11 (4-5)**
Project Number:	**6101D-2-20**	Client Sample Number:	**19**
Sample Date:	**5/6/2009**	Chain of Custody Number:	**90255**

Comments: **All Results Reported On Dry Weight Basis. Percent Moisture = 15.9%.**

Definitions/ Qualifiers:
A: Spike recovery or precision unusable due to dilution.
B: The analyte was detected in the associated method blank.
E: The analyte was detected at a concentration greater than the calibration range, therefore the result is estimated.
J: The concentration is an estimated value.
U: The analyte was not detected at or above the reporting limit.
X: Matrix Interference has resulted in a raised reporting limit or distorted result.
W: Results reported on a wet-weight basis.
*: Value reported is outside QA limits

Analyte	Result	Units	Report Limit	Dilution Factor	Prep Batch	Prep Date/Time	Analysis Date/Time	Analyst
Volatile Organic Compounds (VOCs) by GC/MS, 5035 (EPA 5035/EPA 8260B)								
Methylene Chloride	U	µg/kg	120	1	V909E13B	5/6/2009	5/13/2009	BAG
2-Methylnaphthalene	U	µg/kg	390	1	V909E13B	5/6/2009	5/13/2009	BAG
MTBE	U	µg/kg	300	1	V909E13B	5/6/2009	5/13/2009	BAG
Naphthalene	U	µg/kg	390	1	V909E13B	5/6/2009	5/13/2009	BAG
n-Propylbenzene	U	µg/kg	120	1	V909E13B	5/6/2009	5/13/2009	BAG
Styrene	U	µg/kg	59	1	V909E13B	5/6/2009	5/13/2009	BAG
1,1,1,2-Tetrachloroethane	U	µg/kg	120	1	V909E13B	5/6/2009	5/13/2009	BAG
1,1,2,2-Tetrachloroethane	U	µg/kg	59	1	V909E13B	5/6/2009	5/13/2009	BAG
Tetrachloroethene	U	µg/kg	59	1	V909E13B	5/6/2009	5/13/2009	BAG
Toluene	U	µg/kg	59	1	V909E13B	5/6/2009	5/13/2009	BAG
1,2,4-Trichlorobenzene	U	µg/kg	390	1	V909E13B	5/6/2009	5/13/2009	BAG
1,1,1-Trichloroethane	U	µg/kg	59	1	V909E13B	5/6/2009	5/13/2009	BAG
1,1,2-Trichloroethane	U	µg/kg	59	1	V909E13B	5/6/2009	5/13/2009	BAG
Trichloroethene	U	µg/kg	59	1	V909E13B	5/6/2009	5/13/2009	BAG
Trichlorofluoromethane	U	µg/kg	120	1	V909E13B	5/6/2009	5/13/2009	BAG
1,2,3-Trichloropropane	U	µg/kg	120	1	V909E13B	5/6/2009	5/13/2009	BAG
1,2,3-Trimethylbenzene	U	µg/kg	120	1	V909E13B	5/6/2009	5/13/2009	BAG
1,2,4-Trimethylbenzene	U	µg/kg	120	1	V909E13B	5/6/2009	5/13/2009	BAG
1,3,5-Trimethylbenzene	U	µg/kg	120	1	V909E13B	5/6/2009	5/13/2009	BAG
Vinyl Chloride	U	µg/kg	48	1	V909E13B	5/6/2009	5/13/2009	BAG

Fibertec environmental services

Analytical Laboratory Report

Client Identification:	**AKT Peerless Environ. Svcs, Inc. - Detroit**	Sample Matrix:	**Soil/Solid**
Fibertec Project Number:	**34020**	Sample Number:	**34020-019**

Client Sample Information

Project Identification:	**Van Dyke**	Client Sample Description:	**SB-11 (4-5)**
Project Number:	**6101D-2-20**	Client Sample Number:	**19**
Sample Date:	**5/6/2009**	Chain of Custody Number:	**90255**

Comments: **All Results Reported On Dry Weight Basis. Percent Moisture = 15.9%.**

Definitions/ Qualifiers:
A: Spike recovery or precision unusable due to dilution.
B: The analyte was detected in the associated method blank.
E: The analyte was detected at a concentration greater than the calibration range, therefore the result is estimated.
J: The concentration is an estimated value.
U: The analyte was not detected at or above the reporting limit.
X: Matrix Interference has resulted in a raised reporting limit or distorted result.
W: Results reported on a wet-weight basis.
*: Value reported is outside QA limits

Analyte	Result	Units	Report Limit	Dilution Factor	Prep Batch	Prep Date/Time	Analysis Date/Time	Analyst
Volatile Organic Compounds (VOCs) by GC/MS, 5035 (EPA 5035/EPA 8260B)								
Xylenes	U	µg/kg	180	1	V909E13B	5/6/2009	5/13/2009	BAG

Fibertec environmental services

Analytical Laboratory Report

Client Identification:	**AKT Peerless Environ. Svcs, Inc. - Detroit**	Sample Matrix:	**Soil/Solid**
Fibertec Project Number:	**34020**	Sample Number:	**34020-019A**

Client Sample Information

Project Identification:	**Van Dyke**	Client Sample Description:	**SB-11 (4-5)**
Project Number:	**6101D-2-20**	Client Sample Number:	**19**
Sample Date:	**5/6/2009**	Chain of Custody Number:	**90255**

Comments: **All Results Reported On Dry Weight Basis. Percent Moisture = 15.9%.**

Definitions/ Qualifiers:
A: Spike recovery or precision unusable due to dilution.
B: The analyte was detected in the associated method blank.
E: The analyte was detected at a concentration greater than the calibration range, therefore the result is estimated.
J: The concentration is an estimated value.
U: The analyte was not detected at or above the reporting limit.
X: Matrix Interference has resulted in a raised reporting limit or distorted result.
W: Results reported on a wet-weight basis.
*: Value reported is outside QA limits

Analyte	Result	Units	Report Limit	Dilution Factor	Prep Batch	Prep Date/Time	Analysis Date/Time	Analyst
Dry Weight Determination (ASTM D 2974-87)								
Percent Moisture (Water Content)	**16**	%	0.1	1	MC090511	5/12/2009	5/13/2009	BMG

Fibertec environmental services

Analytical Laboratory Report

Client Identification:	**AKT Peerless Environ. Svcs, Inc. - Detroit**	Sample Matrix:	**Soil/Solid**
Fibertec Project Number:	**34020**	Sample Number:	**34020-020**

Client Sample Information

Project Identification:	**Van Dyke**	Client Sample Description:	**SB-12 (1-2)**
Project Number:	**6101D-2-20**	Client Sample Number:	**20**
Sample Date:	**5/6/2009**	Chain of Custody Number:	**90255**

Comments: **All Results Reported On Dry Weight Basis. Percent Moisture = 11.0%.**

Definitions/ Qualifiers:
A: Spike recovery or precision unusable due to dilution.
B: The analyte was detected in the associated method blank.
E: The analyte was detected at a concentration greater than the calibration range, therefore the result is estimated.
J: The concentration is an estimated value.
U: The analyte was not detected at or above the reporting limit.
X: Matrix Interference has resulted in a raised reporting limit or distorted result.
W: Results reported on a wet-weight basis.
*: Value reported is outside QA limits

Analyte	Result	Units	Report Limit	Dilution Factor	Prep Batch	Prep Date/Time	Analysis Date/Time	Analyst
Volatile Organic Compounds (VOCs) by GC/MS, 5035 (EPA 5035/EPA 8260B) (Estimated results for bromomethane, chloroethane, and methyl ioidide, compounds failed low on CCV)								
Acetone	U	µg/kg	1100	1	VA09E13B	5/6/2009	5/13/2009	JAS
Acrylonitrile	U	µg/kg	110	1	VA09E13B	5/6/2009	5/13/2009	JAS
Benzene	U	µg/kg	56	1	VA09E13B	5/6/2009	5/13/2009	JAS
Bromobenzene	U	µg/kg	110	1	VA09E13B	5/6/2009	5/13/2009	JAS
Bromochloromethane	U	µg/kg	110	1	VA09E13B	5/6/2009	5/13/2009	JAS
Bromodichloromethane	U	µg/kg	110	1	VA09E13B	5/6/2009	5/13/2009	JAS
Bromoform	U	µg/kg	110	1	VA09E13B	5/6/2009	5/13/2009	JAS
Bromomethane	U	µg/kg	220	1	VA09E13B	5/6/2009	5/13/2009	JAS
2-Butanone	U	µg/kg	840	1	VA09E13B	5/6/2009	5/13/2009	JAS
n-Butylbenzene	U	µg/kg	56	1	VA09E13B	5/6/2009	5/13/2009	JAS
sec-Butylbenzene	U	µg/kg	56	1	VA09E13B	5/6/2009	5/13/2009	JAS
tert-Butylbenzene	U	µg/kg	56	1	VA09E13B	5/6/2009	5/13/2009	JAS
Carbon Disulfide	U	µg/kg	280	1	VA09E13B	5/6/2009	5/13/2009	JAS
Carbon Tetrachloride	U	µg/kg	56	1	VA09E13B	5/6/2009	5/13/2009	JAS
Chlorobenzene	U	µg/kg	56	1	VA09E13B	5/6/2009	5/13/2009	JAS
Chloroethane	U	µg/kg	280	1	VA09E13B	5/6/2009	5/13/2009	JAS
Chloroform	U	µg/kg	56	1	VA09E13B	5/6/2009	5/13/2009	JAS
Chloromethane	U	µg/kg	280	1	VA09E13B	5/6/2009	5/13/2009	JAS
2-Chlorotoluene	U	µg/kg	56	1	VA09E13B	5/6/2009	5/13/2009	JAS
Dibromochloromethane	U	µg/kg	110	1	VA09E13B	5/6/2009	5/13/2009	JAS

Fibertec environmental services

Analytical Laboratory Report

Client Identification:	**AKT Peerless Environ. Svcs, Inc. - Detroit**	Sample Matrix:	**Soil/Solid**
Fibertec Project Number:	**34020**	Sample Number:	**34020-020**

Client Sample Information

Project Identification:	**Van Dyke**	Client Sample Description:	**SB-12 (1-2)**
Project Number:	**6101D-2-20**	Client Sample Number:	**20**
Sample Date:	**5/6/2009**	Chain of Custody Number:	**90255**

Comments: **All Results Reported On Dry Weight Basis. Percent Moisture = 11.0%.**

Definitions/ Qualifiers:
A: Spike recovery or precision unusable due to dilution.
B: The analyte was detected in the associated method blank.
E: The analyte was detected at a concentration greater than the calibration range, therefore the result is estimated.
J: The concentration is an estimated value.
U: The analyte was not detected at or above the reporting limit.
X: Matrix Interference has resulted in a raised reporting limit or distorted result.
W: Results reported on a wet-weight basis.
*: Value reported is outside QA limits

Analyte	Result	Units	Report Limit	Dilution Factor	Prep Batch	Prep Date/Time	Analysis Date/Time	Analyst
Volatile Organic Compounds (VOCs) by GC/MS, 5035 (EPA 5035/EPA 8260B) (Estimated results for bromomethane, chloroethane, and methyl ioidide, compounds failed low on CCV)								
1,2-Dibromo-3-chloropropane	U	µg/kg	11	1	VA09E13B	5/6/2009	5/13/2009	JAS
Dibromomethane	U	µg/kg	280	1	VA09E13B	5/6/2009	5/13/2009	JAS
1,2-Dichlorobenzene	U	µg/kg	110	1	VA09E13B	5/6/2009	5/13/2009	JAS
1,3-Dichlorobenzene	U	µg/kg	110	1	VA09E13B	5/6/2009	5/13/2009	JAS
1,4-Dichlorobenzene	U	µg/kg	110	1	VA09E13B	5/6/2009	5/13/2009	JAS
Dichlorodifluoromethane	U	µg/kg	280	1	VA09E13B	5/6/2009	5/13/2009	JAS
1,1-Dichloroethane	U	µg/kg	56	1	VA09E13B	5/6/2009	5/13/2009	JAS
1,2-Dichloroethane	U	µg/kg	56	1	VA09E13B	5/6/2009	5/13/2009	JAS
1,1-Dichloroethene	U	µg/kg	34	1	VA09E13B	5/6/2009	5/13/2009	JAS
cis-1,2-Dichloroethene	U	µg/kg	56	1	VA09E13B	5/6/2009	5/13/2009	JAS
trans-1,2-Dichloroethene	U	µg/kg	56	1	VA09E13B	5/6/2009	5/13/2009	JAS
1,2-Dichloropropane	U	µg/kg	56	1	VA09E13B	5/6/2009	5/13/2009	JAS
cis-1,3-Dichloropropene	U	µg/kg	56	1	VA09E13B	5/6/2009	5/13/2009	JAS
trans-1,3-Dichloropropene	U	µg/kg	56	1	VA09E13B	5/6/2009	5/13/2009	JAS
Ethylbenzene	U	µg/kg	56	1	VA09E13B	5/6/2009	5/13/2009	JAS
Ethylene Dibromide	U	µg/kg	22	1	VA09E13B	5/6/2009	5/13/2009	JAS
2-Hexanone	U	µg/kg	2800	1	VA09E13B	5/6/2009	5/13/2009	JAS
Methyl Iodide	U	µg/kg	110	1	VA09E13B	5/6/2009	5/13/2009	JAS
Isopropylbenzene	U	µg/kg	280	1	VA09E13B	5/6/2009	5/13/2009	JAS
4-Methyl-2-pentanone	U	µg/kg	2800	1	VA09E13B	5/6/2009	5/13/2009	JAS

Fibertec environmental services

Analytical Laboratory Report

Client Identification:	**AKT Peerless Environ. Svcs, Inc. - Detroit**	Sample Matrix:	**Soil/Solid**
Fibertec Project Number:	**34020**	Sample Number:	**34020-020**

Client Sample Information

Project Identification:	**Van Dyke**	Client Sample Description:	**SB-12 (1-2)**
Project Number:	**6101D-2-20**	Client Sample Number:	**20**
Sample Date:	**5/6/2009**	Chain of Custody Number:	**90255**

Comments: **All Results Reported On Dry Weight Basis. Percent Moisture = 11.0%.**

Definitions/ Qualifiers:
A: Spike recovery or precision unusable due to dilution.
B: The analyte was detected in the associated method blank.
E: The analyte was detected at a concentration greater than the calibration range, therefore the result is estimated.
J: The concentration is an estimated value.
U: The analyte was not detected at or above the reporting limit.
X: Matrix Interference has resulted in a raised reporting limit or distorted result.
W: Results reported on a wet-weight basis.
*: Value reported is outside QA limits

Analyte	Result	Units	Report Limit	Dilution Factor	Prep Batch	Prep Date/Time	Analysis Date/Time	Analyst
Volatile Organic Compounds (VOCs) by GC/MS, 5035 (EPA 5035/EPA 8260B) (Estimated results for bromomethane, chloroethane, and methyl ioidide, compounds failed low on CCV)								
Methylene Chloride	U	µg/kg	110	1	VA09E13B	5/6/2009	5/13/2009	JAS
MTBE	U	µg/kg	280	1	VA09E13B	5/6/2009	5/13/2009	JAS
Naphthalene	U	µg/kg	370	1	VA09E13B	5/6/2009	5/13/2009	JAS
n-Propylbenzene	U	µg/kg	110	1	VA09E13B	5/6/2009	5/13/2009	JAS
Styrene	U	µg/kg	56	1	VA09E13B	5/6/2009	5/13/2009	JAS
1,1,1,2-Tetrachloroethane	U	µg/kg	110	1	VA09E13B	5/6/2009	5/13/2009	JAS
1,1,2,2-Tetrachloroethane	U	µg/kg	56	1	VA09E13B	5/6/2009	5/13/2009	JAS
Tetrachloroethene	U	µg/kg	56	1	VA09E13B	5/6/2009	5/13/2009	JAS
Toluene	U	µg/kg	56	1	VA09E13B	5/6/2009	5/13/2009	JAS
1,2,4-Trichlorobenzene	U	µg/kg	370	1	VA09E13B	5/6/2009	5/13/2009	JAS
1,1,1-Trichloroethane	U	µg/kg	56	1	VA09E13B	5/6/2009	5/13/2009	JAS
1,1,2-Trichloroethane	U	µg/kg	56	1	VA09E13B	5/6/2009	5/13/2009	JAS
Trichloroethene	U	µg/kg	56	1	VA09E13B	5/6/2009	5/13/2009	JAS
Trichlorofluoromethane	U	µg/kg	110	1	VA09E13B	5/6/2009	5/13/2009	JAS
1,2,3-Trichloropropane	U	µg/kg	110	1	VA09E13B	5/6/2009	5/13/2009	JAS
1,2,3-Trimethylbenzene	U	µg/kg	110	1	VA09E13B	5/6/2009	5/13/2009	JAS
1,2,4-Trimethylbenzene	U	µg/kg	110	1	VA09E13B	5/6/2009	5/13/2009	JAS
1,3,5-Trimethylbenzene	U	µg/kg	110	1	VA09E13B	5/6/2009	5/13/2009	JAS
Vinyl Chloride	U	µg/kg	45	1	VA09E13B	5/6/2009	5/13/2009	JAS
Xylenes	U	µg/kg	170	1	VA09E13B	5/6/2009	5/13/2009	JAS

Fibertec environmental services

Analytical Laboratory Report

Client Identification:	**AKT Peerless Environ. Svcs, Inc. - Detroit**	Sample Matrix:	**Soil/Solid**
Fibertec Project Number:	**34020**	Sample Number:	**34020-020A**

Client Sample Information

Project Identification:	**Van Dyke**	Client Sample Description:	**SB-12 (1-2)**
Project Number:	**6101D-2-20**	Client Sample Number:	**20**
Sample Date:	**5/6/2009**	Chain of Custody Number:	**90255**

Comments: **All Results Reported On Dry Weight Basis. Percent Moisture = 11.0%.**

Definitions/ Qualifiers:
A: Spike recovery or precision unusable due to dilution.
B: The analyte was detected in the associated method blank.
E: The analyte was detected at a concentration greater than the calibration range, therefore the result is estimated.
J: The concentration is an estimated value.
U: The analyte was not detected at or above the reporting limit.
X: Matrix Interference has resulted in a raised reporting limit or distorted result.
W: Results reported on a wet-weight basis.
*: Value reported is outside QA limits

Analyte	Result	Units	Report Limit	Dilution Factor	Prep Batch	Prep Date/Time	Analysis Date/Time	Analyst
Dry Weight Determination (ASTM D 2974-87)								
Percent Moisture (Water Content)	**11**	%	0.1	1	MC090511	5/12/2009	5/13/2009	BMG
Polynuclear Aromatic Hydrocarbons (PNAs) (EPA 3550B/EPA 8270C)								
Acenaphthene	**U**	µg/kg	370	1	PS09E13E	5/13/2009	5/14/2009	TMC
Acenaphthylene	**U**	µg/kg	370	1	PS09E13E	5/13/2009	5/14/2009	TMC
Anthracene	**U**	µg/kg	370	1	PS09E13E	5/13/2009	5/14/2009	TMC
Benzo(a)anthracene	**U**	µg/kg	370	1	PS09E13E	5/13/2009	5/14/2009	TMC
Benzo(a)pyrene	**U**	µg/kg	370	1	PS09E13E	5/13/2009	5/14/2009	TMC
Benzo(b)fluoranthene	**U**	µg/kg	370	1	PS09E13E	5/13/2009	5/14/2009	TMC
Benzo(ghi)perylene	**U**	µg/kg	370	1	PS09E13E	5/13/2009	5/14/2009	TMC
Benzo(k)fluoranthene	**U**	µg/kg	370	1	PS09E13E	5/13/2009	5/14/2009	TMC
Chrysene	**U**	µg/kg	370	1	PS09E13E	5/13/2009	5/14/2009	TMC
Dibenzo(a,h)anthracene	**U**	µg/kg	370	1	PS09E13E	5/13/2009	5/14/2009	TMC
Fluoranthene	**U**	µg/kg	370	1	PS09E13E	5/13/2009	5/14/2009	TMC
Fluorene	**U**	µg/kg	370	1	PS09E13E	5/13/2009	5/14/2009	TMC
Indeno(1,2,3-cd)pyrene	**U**	µg/kg	370	1	PS09E13E	5/13/2009	5/14/2009	TMC
2-Methylnaphthalene	**U**	µg/kg	370	1	PS09E13E	5/13/2009	5/14/2009	TMC
Phenanthrene	**U**	µg/kg	370	1	PS09E13E	5/13/2009	5/14/2009	TMC
Pyrene	**U**	µg/kg	370	1	PS09E13E	5/13/2009	5/14/2009	TMC

Fibertec environmental services

Analytical Laboratory Report

Client Identification:	**AKT Peerless Environ. Svcs, Inc. - Detroit**	Sample Matrix:	**Ground Water**
Fibertec Project Number:	**34020**	Sample Number:	**34020-021**

Client Sample Information

Project Identification:	**Van Dyke**	Client Sample Description:	**TRIP BLANK**
Project Number:	**6101D-2-20**	Client Sample Number:	**21**
Sample Date:	**5/6/2009**	Chain of Custody Number:	**90256**

Comments:

Definitions/ Qualifiers:

A: Spike recovery or precision unusable due to dilution.
B: The analyte was detected in the associated method blank.
E: The analyte was detected at a concentration greater than the calibration range, therefore the result is estimated.
J: The concentration is an estimated value.
U: The analyte was not detected at or above the reporting limit.
X: Matrix Interference has resulted in a raised reporting limit or distorted result.
W: Results reported on a wet-weight basis.
*: Value reported is outside QA limits

Analyte	Result	Units	Report Limit	Dilution Factor	Prep Batch	Prep Date/Time	Analysis Date/Time	Analyst
Volatile Organic Compounds (VOCs) by GC/MS (EPA 5030B/EPA 8260B)								
Acetone	U	µg/L	50	1	VB09E08A	5/8/2009	5/8/2009	BAG
Acrylonitrile	U	µg/L	2.0	1	VB09E08A	5/8/2009	5/8/2009	BAG
Benzene	U	µg/L	1.0	1	VB09E08A	5/8/2009	5/8/2009	BAG
Bromobenzene	U	µg/L	1.0	1	VB09E08A	5/8/2009	5/8/2009	BAG
Bromochloromethane	U	µg/L	1.0	1	VB09E08A	5/8/2009	5/8/2009	BAG
Bromodichloromethane	U	µg/L	1.0	1	VB09E08A	5/8/2009	5/8/2009	BAG
Bromoform	U	µg/L	1.0	1	VB09E08A	5/8/2009	5/8/2009	BAG
Bromomethane	U	µg/L	5.0	1	VB09E08A	5/8/2009	5/8/2009	BAG
2-Butanone	U	µg/L	25	1	VB09E08A	5/8/2009	5/8/2009	BAG
n-Butylbenzene	U	µg/L	1.0	1	VB09E08A	5/8/2009	5/8/2009	BAG
sec-Butylbenzene	U	µg/L	1.0	1	VB09E08A	5/8/2009	5/8/2009	BAG
tert-Butylbenzene	U	µg/L	1.0	1	VB09E08A	5/8/2009	5/8/2009	BAG
Carbon Disulfide	U	µg/L	5.0	1	VB09E08A	5/8/2009	5/8/2009	BAG
Carbon Tetrachloride	U	µg/L	1.0	1	VB09E08A	5/8/2009	5/8/2009	BAG
Chlorobenzene	U	µg/L	1.0	1	VB09E08A	5/8/2009	5/8/2009	BAG
Chloroethane	U	µg/L	5.0	1	VB09E08A	5/8/2009	5/8/2009	BAG
Chloroform	U	µg/L	1.0	1	VB09E08A	5/8/2009	5/8/2009	BAG
Chloromethane	U	µg/L	5.0	1	VB09E08A	5/8/2009	5/8/2009	BAG
2-Chlorotoluene	U	µg/L	5.0	1	VB09E08A	5/8/2009	5/8/2009	BAG
Dibromochloromethane	U	µg/L	5.0	1	VB09E08A	5/8/2009	5/8/2009	BAG

Fibertec environmental services

Analytical Laboratory Report

Client Identification:	**AKT Peerless Environ. Svcs, Inc. - Detroit**	Sample Matrix:	**Ground Water**
Fibertec Project Number:	**34020**	Sample Number:	**34020-021**

Client Sample Information

Project Identification:	**Van Dyke**	Client Sample Description:	**TRIP BLANK**
Project Number:	**6101D-2-20**	Client Sample Number:	**21**
Sample Date:	**5/6/2009**	Chain of Custody Number:	**90256**

Comments:

Definitions/ Qualifiers:
A: Spike recovery or precision unusable due to dilution.
B: The analyte was detected in the associated method blank.
E: The analyte was detected at a concentration greater than the calibration range, therefore the result is estimated.
J: The concentration is an estimated value.
U: The analyte was not detected at or above the reporting limit.
X: Matrix Interference has resulted in a raised reporting limit or distorted result.
W: Results reported on a wet-weight basis.
*: Value reported is outside QA limits

Analyte	Result	Units	Report Limit	Dilution Factor	Prep Batch	Prep Date/Time	Analysis Date/Time	Analyst
Volatile Organic Compounds (VOCs) by GC/MS (EPA 5030B/EPA 8260B)								
1,2-Dibromo-3-chloropropane	U	µg/L	1.0	1	VB09E08A	5/8/2009	5/8/2009	BAG
Dibromomethane	U	µg/L	5.0	1	VB09E08A	5/8/2009	5/8/2009	BAG
1,2-Dichlorobenzene	U	µg/L	1.0	1	VB09E08A	5/8/2009	5/8/2009	BAG
1,3-Dichlorobenzene	U	µg/L	1.0	1	VB09E08A	5/8/2009	5/8/2009	BAG
1,4-Dichlorobenzene	U	µg/L	1.0	1	VB09E08A	5/8/2009	5/8/2009	BAG
Dichlorodifluoromethane	U	µg/L	5.0	1	VB09E08A	5/8/2009	5/8/2009	BAG
1,1-Dichloroethane	U	µg/L	1.0	1	VB09E08A	5/8/2009	5/8/2009	BAG
1,2-Dichloroethane	U	µg/L	1.0	1	VB09E08A	5/8/2009	5/8/2009	BAG
1,1-Dichloroethene	U	µg/L	1.0	1	VB09E08A	5/8/2009	5/8/2009	BAG
cis-1,2-Dichloroethene	U	µg/L	1.0	1	VB09E08A	5/8/2009	5/8/2009	BAG
trans-1,2-Dichloroethene	U	µg/L	1.0	1	VB09E08A	5/8/2009	5/8/2009	BAG
1,2-Dichloropropane	U	µg/L	1.0	1	VB09E08A	5/8/2009	5/8/2009	BAG
cis-1,3-Dichloropropene	U	µg/L	1.0	1	VB09E08A	5/8/2009	5/8/2009	BAG
trans-1,3-Dichloropropene	U	µg/L	1.0	1	VB09E08A	5/8/2009	5/8/2009	BAG
Ethylbenzene	U	µg/L	1.0	1	VB09E08A	5/8/2009	5/8/2009	BAG
Ethylene Dibromide	U	µg/L	1.0	1	VB09E08A	5/8/2009	5/8/2009	BAG
2-Hexanone	U	µg/L	50	1	VB09E08A	5/8/2009	5/8/2009	BAG
Methyl Iodide	U	µg/L	5.0	1	VB09E08A	5/8/2009	5/8/2009	BAG
Isopropylbenzene	U	µg/L	5.0	1	VB09E08A	5/8/2009	5/8/2009	BAG
4-Methyl-2-pentanone	U	µg/L	50	1	VB09E08A	5/8/2009	5/8/2009	BAG

Fibertec environmental services

Analytical Laboratory Report

Client Identification:	**AKT Peerless Environ. Svcs, Inc. - Detroit**	Sample Matrix:	**Ground Water**
Fibertec Project Number:	**34020**	Sample Number:	**34020-021**

Client Sample Information

Project Identification:	**Van Dyke**	Client Sample Description:	**TRIP BLANK**
Project Number:	**6101D-2-20**	Client Sample Number:	**21**
Sample Date:	**5/6/2009**	Chain of Custody Number:	**90256**

Comments:

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Analyte	Result	Units	Report Limit	Dilution Factor	Prep Batch	Prep Date/Time	Analysis Date/Time	Analyst
Volatile Organic Compounds (VOCs) by GC/MS (EPA 5030B/EPA 8260B)								
Methylene Chloride	U	µg/L	5.0	1	VB09E08A	5/8/2009	5/8/2009	BAG
2-Methylnaphthalene	U	µg/L	5.0	1	VB09E08A	5/8/2009	5/8/2009	BAG
MTBE	U	µg/L	5.0	1	VB09E08A	5/8/2009	5/8/2009	BAG
Naphthalene	U	µg/L	5.0	1	VB09E08A	5/8/2009	5/8/2009	BAG
n-Propylbenzene	U	µg/L	1.0	1	VB09E08A	5/8/2009	5/8/2009	BAG
Styrene	U	µg/L	1.0	1	VB09E08A	5/8/2009	5/8/2009	BAG
1,1,1,2-Tetrachloroethane	U	µg/L	1.0	1	VB09E08A	5/8/2009	5/8/2009	BAG
1,1,2,2-Tetrachloroethane	U	µg/L	1.0	1	VB09E08A	5/8/2009	5/8/2009	BAG
Tetrachloroethene	U	µg/L	1.0	1	VB09E08A	5/8/2009	5/8/2009	BAG
Toluene	U	µg/L	1.0	1	VB09E08A	5/8/2009	5/8/2009	BAG
1,2,4-Trichlorobenzene	U	µg/L	5.0	1	VB09E08A	5/8/2009	5/8/2009	BAG
1,1,1-Trichloroethane	U	µg/L	1.0	1	VB09E08A	5/8/2009	5/8/2009	BAG
1,1,2-Trichloroethane	U	µg/L	1.0	1	VB09E08A	5/8/2009	5/8/2009	BAG
Trichloroethene	U	µg/L	1.0	1	VB09E08A	5/8/2009	5/8/2009	BAG
Trichlorofluoromethane	U	µg/L	1.0	1	VB09E08A	5/8/2009	5/8/2009	BAG
1,2,3-Trichloropropane	U	µg/L	1.0	1	VB09E08A	5/8/2009	5/8/2009	BAG
1,2,3-Trimethylbenzene	U	µg/L	1.0	1	VB09E08A	5/8/2009	5/8/2009	BAG
1,2,4-Trimethylbenzene	U	µg/L	1.0	1	VB09E08A	5/8/2009	5/8/2009	BAG
1,3,5-Trimethylbenzene	U	µg/L	1.0	1	VB09E08A	5/8/2009	5/8/2009	BAG
Vinyl Chloride	U	µg/L	1.0	1	VB09E08A	5/8/2009	5/8/2009	BAG

Fibertec environmental services

Analytical Laboratory Report

Client Identification:	**AKT Peerless Environ. Svcs, Inc. - Detroit**	Sample Matrix:	**Ground Water**
Fibertec Project Number:	**34020**	Sample Number:	**34020-021**

Client Sample Information

Project Identification:	**Van Dyke**	Client Sample Description:	**TRIP BLANK**
Project Number:	**6101D-2-20**	Client Sample Number:	**21**
Sample Date:	**5/6/2009**	Chain of Custody Number:	**90256**

Comments:

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Analyte	Result	Units	Report Limit	Dilution Factor	Prep Batch	Prep Date/Time	Analysis Date/Time	Analyst
Volatile Organic Compounds (VOCs) by GC/MS (EPA 5030B/EPA 8260B)								
Xylenes	U	µg/L	3.0	1	VB09E08A	5/8/2009	5/8/2009	BAG

Fibertec environmental services

Analytical Laboratory Report

Client Identification:	**AKT Peerless Environ. Svcs, Inc. - Detroit**	Sample Matrix:	**Ground Water**
Fibertec Project Number:	**34020**	Sample Number:	**34020-022**

Client Sample Information

Project Identification:	**Van Dyke**	Client Sample Description:	**EQUIP BLANK**
Project Number:	**6101D-2-20**	Client Sample Number:	**22**
Sample Date:	**5/6/2009**	Chain of Custody Number:	**90256**

Comments:

Definitions/ Qualifiers:
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Analyte	Result	Units	Report Limit	Dilution Factor	Prep Batch	Prep Date/Time	Analysis Date/Time	Analyst
Volatile Organic Compounds (VOCs) by GC/MS (EPA 5030B/EPA 8260B)								
Acetone	U	µg/L	50	1	VB09E08A	5/8/2009	5/8/2009	BAG
Acrylonitrile	U	µg/L	2.0	1	VB09E08A	5/8/2009	5/8/2009	BAG
Benzene	U	µg/L	1.0	1	VB09E08A	5/8/2009	5/8/2009	BAG
Bromobenzene	U	µg/L	1.0	1	VB09E08A	5/8/2009	5/8/2009	BAG
Bromochloromethane	U	µg/L	1.0	1	VB09E08A	5/8/2009	5/8/2009	BAG
Bromodichloromethane	U	µg/L	1.0	1	VB09E08A	5/8/2009	5/8/2009	BAG
Bromoform	U	µg/L	1.0	1	VB09E08A	5/8/2009	5/8/2009	BAG
Bromomethane	U	µg/L	5.0	1	VB09E08A	5/8/2009	5/8/2009	BAG
2-Butanone	U	µg/L	25	1	VB09E08A	5/8/2009	5/8/2009	BAG
n-Butylbenzene	U	µg/L	1.0	1	VB09E08A	5/8/2009	5/8/2009	BAG
sec-Butylbenzene	U	µg/L	1.0	1	VB09E08A	5/8/2009	5/8/2009	BAG
tert-Butylbenzene	U	µg/L	1.0	1	VB09E08A	5/8/2009	5/8/2009	BAG
Carbon Disulfide	U	µg/L	5.0	1	VB09E08A	5/8/2009	5/8/2009	BAG
Carbon Tetrachloride	U	µg/L	1.0	1	VB09E08A	5/8/2009	5/8/2009	BAG
Chlorobenzene	U	µg/L	1.0	1	VB09E08A	5/8/2009	5/8/2009	BAG
Chloroethane	U	µg/L	5.0	1	VB09E08A	5/8/2009	5/8/2009	BAG
Chloroform	U	µg/L	1.0	1	VB09E08A	5/8/2009	5/8/2009	BAG
Chloromethane	U	µg/L	5.0	1	VB09E08A	5/8/2009	5/8/2009	BAG
2-Chlorotoluene	U	µg/L	5.0	1	VB09E08A	5/8/2009	5/8/2009	BAG
Dibromochloromethane	U	µg/L	5.0	1	VB09E08A	5/8/2009	5/8/2009	BAG

Fibertec environmental services

Analytical Laboratory Report

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Fibertec Project Number:	**34020**	Sample Number:	**34020-022**

Client Sample Information

Project Identification:	**Van Dyke**	Client Sample Description:	**EQUIP BLANK**
Project Number:	**6101D-2-20**	Client Sample Number:	**22**
Sample Date:	**5/6/2009**	Chain of Custody Number:	**90256**

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Analyte	Result	Units	Report Limit	Dilution Factor	Prep Batch	Prep Date/Time	Analysis Date/Time	Analyst
Volatile Organic Compounds (VOCs) by GC/MS (EPA 5030B/EPA 8260B)								
1,2-Dibromo-3-chloropropane	U	µg/L	1.0	1	VB09E08A	5/8/2009	5/8/2009	BAG
Dibromomethane	U	µg/L	5.0	1	VB09E08A	5/8/2009	5/8/2009	BAG
1,2-Dichlorobenzene	U	µg/L	1.0	1	VB09E08A	5/8/2009	5/8/2009	BAG
1,3-Dichlorobenzene	U	µg/L	1.0	1	VB09E08A	5/8/2009	5/8/2009	BAG
1,4-Dichlorobenzene	U	µg/L	1.0	1	VB09E08A	5/8/2009	5/8/2009	BAG
Dichlorodifluoromethane	U	µg/L	5.0	1	VB09E08A	5/8/2009	5/8/2009	BAG
1,1-Dichloroethane	U	µg/L	1.0	1	VB09E08A	5/8/2009	5/8/2009	BAG
1,2-Dichloroethane	U	µg/L	1.0	1	VB09E08A	5/8/2009	5/8/2009	BAG
1,1-Dichloroethene	U	µg/L	1.0	1	VB09E08A	5/8/2009	5/8/2009	BAG
cis-1,2-Dichloroethene	U	µg/L	1.0	1	VB09E08A	5/8/2009	5/8/2009	BAG
trans-1,2-Dichloroethene	U	µg/L	1.0	1	VB09E08A	5/8/2009	5/8/2009	BAG
1,2-Dichloropropane	U	µg/L	1.0	1	VB09E08A	5/8/2009	5/8/2009	BAG
cis-1,3-Dichloropropene	U	µg/L	1.0	1	VB09E08A	5/8/2009	5/8/2009	BAG
trans-1,3-Dichloropropene	U	µg/L	1.0	1	VB09E08A	5/8/2009	5/8/2009	BAG
Ethylbenzene	U	µg/L	1.0	1	VB09E08A	5/8/2009	5/8/2009	BAG
Ethylene Dibromide	U	µg/L	1.0	1	VB09E08A	5/8/2009	5/8/2009	BAG
2-Hexanone	U	µg/L	50	1	VB09E08A	5/8/2009	5/8/2009	BAG
Methyl Iodide	U	µg/L	5.0	1	VB09E08A	5/8/2009	5/8/2009	BAG
Isopropylbenzene	U	µg/L	5.0	1	VB09E08A	5/8/2009	5/8/2009	BAG
4-Methyl-2-pentanone	U	µg/L	50	1	VB09E08A	5/8/2009	5/8/2009	BAG

Fibertec environmental services

Analytical Laboratory Report

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Fibertec Project Number:	**34020**	Sample Number:	**34020-022**

Client Sample Information

Project Identification:	**Van Dyke**	Client Sample Description:	**EQUIP BLANK**
Project Number:	**6101D-2-20**	Client Sample Number:	**22**
Sample Date:	**5/6/2009**	Chain of Custody Number:	**90256**

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Analyte	Result	Units	Report Limit	Dilution Factor	Prep Batch	Prep Date/Time	Analysis Date/Time	Analyst
Volatile Organic Compounds (VOCs) by GC/MS (EPA 5030B/EPA 8260B)								
Methylene Chloride	U	µg/L	5.0	1	VB09E08A	5/8/2009	5/8/2009	BAG
MTBE	U	µg/L	5.0	1	VB09E08A	5/8/2009	5/8/2009	BAG
Naphthalene	U	µg/L	5.0	1	VB09E08A	5/8/2009	5/8/2009	BAG
n-Propylbenzene	U	µg/L	1.0	1	VB09E08A	5/8/2009	5/8/2009	BAG
Styrene	U	µg/L	1.0	1	VB09E08A	5/8/2009	5/8/2009	BAG
1,1,1,2-Tetrachloroethane	U	µg/L	1.0	1	VB09E08A	5/8/2009	5/8/2009	BAG
1,1,2,2-Tetrachloroethane	U	µg/L	1.0	1	VB09E08A	5/8/2009	5/8/2009	BAG
Tetrachloroethene	U	µg/L	1.0	1	VB09E08A	5/8/2009	5/8/2009	BAG
Toluene	U	µg/L	1.0	1	VB09E08A	5/8/2009	5/8/2009	BAG
1,2,4-Trichlorobenzene	U	µg/L	5.0	1	VB09E08A	5/8/2009	5/8/2009	BAG
1,1,1-Trichloroethane	U	µg/L	1.0	1	VB09E08A	5/8/2009	5/8/2009	BAG
1,1,2-Trichloroethane	U	µg/L	1.0	1	VB09E08A	5/8/2009	5/8/2009	BAG
Trichloroethene	U	µg/L	1.0	1	VB09E08A	5/8/2009	5/8/2009	BAG
Trichlorofluoromethane	U	µg/L	1.0	1	VB09E08A	5/8/2009	5/8/2009	BAG
1,2,3-Trichloropropane	U	µg/L	1.0	1	VB09E08A	5/8/2009	5/8/2009	BAG
1,2,3-Trimethylbenzene	U	µg/L	1.0	1	VB09E08A	5/8/2009	5/8/2009	BAG
1,2,4-Trimethylbenzene	U	µg/L	1.0	1	VB09E08A	5/8/2009	5/8/2009	BAG
1,3,5-Trimethylbenzene	U	µg/L	1.0	1	VB09E08A	5/8/2009	5/8/2009	BAG
Vinyl Chloride	U	µg/L	1.0	1	VB09E08A	5/8/2009	5/8/2009	BAG
Xylenes	U	µg/L	3.0	1	VB09E08A	5/8/2009	5/8/2009	BAG

Fibertec environmental services

Analytical Laboratory Report

Client Identification:	**AKT Peerless Environ. Svcs, Inc. - Detroit**	Sample Matrix:	**Ground Water**
Fibertec Project Number:	**34020**	Sample Number:	**34020-022A**

Client Sample Information

Project Identification:	**Van Dyke**	Client Sample Description:	**EQUIP BLANK**
Project Number:	**6101D-2-20**	Client Sample Number:	**22**
Sample Date:	**5/6/2009**	Chain of Custody Number:	**90256**

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Analyte	Result	Units	Report Limit	Dilution Factor	Prep Batch	Prep Date/Time	Analysis Date/Time	Analyst
Polynuclear Aromatic Hydrocarbons (PNAs) (EPA 3535/EPA 8270C)								
Acenaphthene	U	µg/L	5.0	1	PS09E12H	5/12/2009	5/12/2009	BDA
Acenaphthylene	U	µg/L	5.0	1	PS09E12H	5/12/2009	5/12/2009	BDA
Anthracene	U	µg/L	5.0	1	PS09E12H	5/12/2009	5/12/2009	BDA
Benzo(a)anthracene	U	µg/L	1.0	1	PS09E12H	5/12/2009	5/12/2009	BDA
Benzo(a)pyrene	U	µg/L	1.0	1	PS09E12H	5/12/2009	5/12/2009	BDA
Benzo(b)fluoranthene	U	µg/L	1.0	1	PS09E12H	5/12/2009	5/12/2009	BDA
Benzo(ghi)perylene	U	µg/L	1.0	1	PS09E12H	5/12/2009	5/12/2009	BDA
Benzo(k)fluoranthene	U	µg/L	1.0	1	PS09E12H	5/12/2009	5/12/2009	BDA
Chrysene	U	µg/L	1.0	1	PS09E12H	5/12/2009	5/12/2009	BDA
Dibenzo(a,h)anthracene	U	µg/L	2.0	1	PS09E12H	5/12/2009	5/12/2009	BDA
Fluoranthene	U	µg/L	1.0	1	PS09E12H	5/12/2009	5/12/2009	BDA
Fluorene	U	µg/L	5.0	1	PS09E12H	5/12/2009	5/12/2009	BDA
Indeno(1,2,3-cd)pyrene	U	µg/L	2.0	1	PS09E12H	5/12/2009	5/12/2009	BDA
2-Methylnaphthalene	U	µg/L	5.0	1	PS09E12H	5/12/2009	5/12/2009	BDA
Phenanthrene	U	µg/L	2.0	1	PS09E12H	5/12/2009	5/12/2009	BDA
Pyrene	U	µg/L	5.0	1	PS09E12H	5/12/2009	5/12/2009	BDA