

Final Interim Response Action Implementation Report

Soil Removal Parcel E Liner Project
Washington Avenue South
Minneapolis, Minnesota



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1.0 INTRODUCTION

This Final Interim Response Action Implementation Report has been prepared in accordance with the Response Action Plan, Implementation and Reporting guidance of the Minnesota Pollution Control Agency (MPCA) Site Response Section, Groundwater and Solid Waste Division, Voluntary Investigation and Cleanup (VIC) program. It describes the implementation of the Liner Area portion of the *Response Action Plan for Parcel E - Chicago Avenue, 9th Avenue, Liner Development, Washington Avenue South, Minneapolis, Minnesota*, prepared April 25, 2005, by Earth Tech (RAP) and the MPCA Conditional Approval of Response Action Plan for the "Guthrie Theater Auxiliary Site, Washington Avenue and Chicago Avenue South, Minneapolis, MPCA Project Number VP17760", dated May 5, 2005. These documents formed the basis for the scope of work executed at the site for the response action.

It is noted that remedial work was conducted by Earth Tech, Inc. (Earth Tech), up through 2006 on behalf of Hennepin County Department of Environmental Services. In the latter half of 2006, Hennepin County requested that further work which primarily included finalizing a Response Action Implementation Report be halted. In 2009, Earth Tech, Inc. became AECOM Technical Services, Inc. (AECOM). In 2010, Hennepin County Department of Environmental Services requested that AECOM produce this Final Interim Response Action Implementation Report.

1.1 RESPONSE ACTION BACKGROUND

The RAP was based on the following documents:

- Phase II ESA – Washington Avenue South and 10th Avenue South, Minneapolis, Minnesota, dated July 31, 2001, by STS Consultants.
- Additional Phase II Environmental Site Assessment, Washington Avenue South and Chicago Avenue I in Minneapolis, Minnesota dated October 1, 2002, by STS Consultants.
- Development Response Action Plan, Washington Avenue South and Chicago Avenue in Minneapolis, Minnesota, dated March 12, 2003, by STS Consultants.
- Additional Environmental Evaluation, Proposed Guthrie Parking Ramp Site (Parcel E), Second Street South and Future 9th Avenue South, Minneapolis, Minnesota, MPCA VIC Site ID #VP17760, dated April 7, 2004, by Braun Intertec.
- Response Action Plan and Construction Contingency Plan, Proposed Guthrie Parking Ramp Site (Parcel E), Second Street South and Future 9th Avenue South, Minneapolis, Minnesota, MPCA VIC Project No. VP17760, dated April 7, 2004, by Braun Intertec.
- Response Action Plan Implementation Report, Guthrie Parking Ramp Site (Parcel E), Second Street South and Future 9th Avenue South, Minneapolis, Minnesota, MPCA VIC Project No. VP17760, dated September 2, 2004, by Braun Intertec.

- Dredge Fill Sampling Report, Guthrie Parking Ramp Site (Parcel E), Second Street South and Future Ninth Avenue South, Minneapolis, Minnesota, MPCA VIC Project No. VP17760, dated February 9, 2005, by Braun Intertec.
- Additional Investigation Report, Parcel E, Washington Avenue South, Minneapolis, Minnesota, dated February 2005, by Earth Tech, Inc.

The parcel addressed in this Final Interim Response Action Implementation Report is the "L" shaped land area located within the northeast quadrant of the intersection of Chicago Avenue South and Washington Avenue South in downtown Minneapolis. Figure 1 shows the general location of the site within the downtown area.

The parcel contained a layer of ash fill similar to that encountered during previous adjacent excavation activities associated with the construction of the parking ramp and the Chicago Avenue South Storm Water Collection Trench. The parcel that contained the remaining ash fill is the "Liner" portion of the Parcel E development, (the "Property") for which the city of Minneapolis is expected to solicit proposals for redevelopment in 2010. The location of the Liner Area relative to the Guthrie Theater parking structure and adjacent streets is shown on Figure 2.

1.2 SUMMARY OF PREVIOUS INVESTIGATIONS

Limited polycyclic aromatic hydrocarbon (PAH) and metals contamination was identified on the Property and the adjacent parking ramp parcel based on previous investigations. Fill consisting of surficial sand underlain by ash fill (clinker layer) was apparently continuous across the Property and the parking ramp area. The fill and ash were associated with the historical use of the area as a rail yard. Some debris, including former building foundations, were encountered in portions of the parking ramp parcel. Contaminated fill within the parking ramp parcel was removed as part of the excavation for construction. The parking ramp parcel was backfilled with dredge material and native fill approved for filling at the site. These imported fill materials restored construction slopes to grade around the perimeter of the ramp.

Samples from a boring advanced during a previous investigation of the Proposed Chicago Avenue South Right of Way (ROW) location had an arsenic result (32.9 mg/kg) above the MPCA Industrial/Commercial Soil Reference Value (SRV) (20 mg/kg) at 2 to 6 feet, and a benzo(a)pyrene (BaP) equivalents result (15.9 mg/kg calculated) above the Industrial/Commercial SRV (3 mg/kg calculated) at 8 to 12 feet. A second location had an antimony result (27.9 mg/kg) above the Residential SRV (12 mg/kg), but below the Industrial/Commercial SRV (100 mg/kg). Additional samples collected near these locations to define the extent of this contamination indicated that the contamination was isolated to relatively small areas.

Samples of blue stained soil collected from the southeast corner of the Liner portion of Parcel E contained elevated concentrations of lead and mercury. Lead (2,420 mg/kg) exceeded the Industrial/Commercial SRV of 700 mg/kg and mercury (1.03 mg/kg) exceeded the residential SRV of 0.5 mg/kg

Results of the dredge fill characterization indicated that the BaP concentration in one sample (2.243 mg/kg calculated) of fill on the north side of the parking structure exceeded the Residential SRV for BaP equivalents (2 mg/kg calculated), but was less than the Industrial SRV (3 mg/kg calculated) and Tier 1 Soil Leaching Value (SLV) (10.2 mg/kg calculated). Based on this, the fill was suitable for the parking ramp parcel, but not for the Property. If the fill material is excavated and removed, it will be restricted to reuse on commercial or industrial properties with approval by the MPCA.

The February 2005 additional investigation conducted by Earth Tech included test pits and borings that targeted the areas of the new streets and liner. Arsenic concentrations (23 mg/kg, 27 mg/kg) exceeded the residential and commercial industrial soil reference values (SRVs). Ash Fill (clinker layer) was encountered in all borings and test pits. Concrete slabs were encountered in two test pits. Other contaminated debris was encountered in a few places.

Table 1 shows a summary of detected PAH and metals results for soil samples collected from the previous investigations. The locations of borings advanced within the development area are included in Figure 2. Some borings shown on Figure 2 (e.g., B-1 and B-2) were advanced for stratigraphic data only. Residential and industrial SRVs in both tables are those currently in place.

1.3 REPORT PURPOSE

The purpose of this Final Interim Response Action Implementation Report is to:

- Provide the results to date of the implementation of the RAP for the Liner Area along Washington and Chicago Avenues (the Property).
- Identify any deviations from the requirements of the RAP.
- Identify any follow-up actions that will need to be taken at the site.
- Serve as the technical basis for the Commissioner to issue a written assurance for the site.

This Final Interim Response Action Implementation Report provides the technical basis for Hennepin County to request a No Further Action for Soil at the Property, with the exception of a portion of the Liner Area where deep ash remains. The location of the remaining ash is discussed further in this report.

Approval of this Final Interim Response Action Implementation Report and issuance of the No Further Action for Soil will assure that all necessary actions have been conducted to protect public health, welfare and the environment. Based on the Land Recycling Act of 1992 and 1993 amendments, the MPCA will refrain from referring the release to USEPA, recommending the site be placed on the state Superfund list, or taking further administrative action against Hennepin County.

2.0 RESPONSE ACTION PLAN

The Response Action Plan (RAP) for this project was prepared by Earth Tech and dated April 25, 2005. It was developed to address excavation of materials that were expected to be encountered during remedial excavation on the Property. The purpose of the RAP was to identify procedures for that were planned to implement soil contamination and debris cleanup. The remedial work was planned in accordance with MPCA Voluntary Investigation and Cleanup (VIC) program requirements.

The RAP included a discussion regarding previous investigations relevant to the planned remediation and a description of planned development of the Property once remediation was completed. The RAP also described the specific work activities to be conducted including the anticipated types and volumes of contaminated soil and debris to be excavated and their respective methods of disposal. Methods of remedial excavation and sampling to assess the progress and adequacy of the remediation were also described. Contingency measures to address possible problems that may have been encountered were included in the RAP. Finally, specific procedures were delineated to document the work as it was being conducted.

Following submittal of the RAP to the MPCA, the MPCA provided its "*Conditional Approval of Response Action Plan for the Guthrie Theater Auxiliary Site, Washington Avenue and Chicago Avenue South, Minneapolis, MPCA Project Number VP17760*" on May 5, 2005.

3.0 RESPONSE ACTION IMPLEMENTATION

The following sections address the response actions (RAs) at the Property. In general, the RAs consist of the following three elements:

1. Excavation and stockpiling of impacted "blue stained" soil.
2. Transportation and off-site use of unimpacted (ash) soil.
3. Backfill and grading of excavation.

Each of these is discussed further below, including deviations from the RAP. Bel Air Excavating of New Brighton, Minnesota conducted the work at the Property. Earth Tech oversaw the work on behalf of Hennepin County, who had the responsibility for management of ash and contaminated soil encountered. Photographs showing the progress of the work are included in Appendix A.

3.1 EXCAVATION AND STOCKPILING OF "BLUE STAINED" SOIL AREA

Initial excavation efforts were focused on the southeastern corner of the Property near the intersection of Washington Avenue South and 9th Avenue South where Boring B-19 was located. Concern regarding the soils at this location was based on reported "blue paint stained" soils that were observed during the drilling of boring B-19. Analytical results of sampled soils from the boring indicated the presence of lead at a concentration of 2,420 mg/Kg.

The center of the excavation (at former boring B-19 location) was measured by tape from the southeast corner of the adjacent parking lot structure. Soils from an approximately 8-foot x 8-foot area (Figure 2) were excavated to a depth of approximately 8 feet and transported by backhoe and placed on plastic in the area adjacent to the parking lot structure (approximately 230 feet north of the excavation - see photograph in Appendix A).

In general, the excavation consisted of using a backhoe to remove the soils from within the designated area to a depth of 8 feet (below blue-stained soil in boring). Soils from the excavation consisting of 27 tons of ash-like material were removed and placed on plastic. The excavated soils exhibited little evidence of significant debris. Debris that was encountered was limited to some broken glass, a small metal can, and grayish clay-like soil was observed near the base of the excavation. This clay-like material appeared to be the formerly described blue stained soils.

Two composite samples (Samples 1 and 2) were obtained from the upper and lower portions of the Soils stock pile. A third grab sample (Sample 3) was obtained from the bottom of the excavation (below blue stained soil) where "clean" soil conditions were encountered. Earth Tech delivered the samples to Legend Technical Services, Inc. in St. Paul, Minnesota. A TCLP lead analysis was conducted for the soils stockpile samples and a total metals analysis for the excavation sample.

The soil stockpile was then covered with an additional plastic tarp that was weighted down. Final removal of the "blue stained" soils was completed after the analytical results were

obtained. Results for TCLP Lead for Samples 1 and 2 were 0.16 and 0.31 mg/L, respectively. These values are below the concentration which would classify the soils as hazardous (5 mg/l). Analytical results for the sample in the excavation, as summarized in Table 2, indicated lead and other metal concentrations from the base of the excavation were at levels below both the Residential SRV and SLV. Laboratory analytical reports are provided in Appendix B.

It appears based on the analytical results and field observations that boring B-19 encountered a small isolated concentration of debris that was not representative of the surrounding soils. The analytical results also indicated the excavated soils could be removed from the Property along with the ash material. Actual removal of the soils stockpile was conducted on May 1, 2006, after all other ash removal in the Liner area had been completed.

3.2 EXCAVATION AND DISPOSAL OF ASH FILL AND DEBRIS EXCESS

A total of 5,678 tons of documented ash material was removed from the Property from April 24, 2006, to May 1, 2006. Bel Air Excavating of New Brighton, Minnesota conducted all the excavation work. Excavating equipment consisted of Ziegler/Caterpillar 330CL Backhoe, which transferred ash to box loader trucks. A photograph of the equipment is provided in Appendix A. A total of 228 truckloads were used to remove ash from the Property. Disposal summary documents are provided in Appendix C.

The excavated ash volume of 5,678 tons is significantly larger than the originally anticipated 1,500 tons (1,200 yards). The increased volume of ash is attributed to a somewhat larger areal extent and the presence of ash at a thickness greater than the estimated average of 3 feet. Figure 2 includes the approximate boundaries (dashed line) of the planned excavation area in contrast to the actual limits of excavation.

The following text provides detail on the subsurface conditions that were encountered, which resulted in the higher volumes ash as well as requiring some deviation from the RAP.

3.2.1 Overview

The ash from the Property was excavated and hauled to the Onyx FCR Landfill (now Veolia, Rolling Hills) in Buffalo, Minnesota based on the results of the previous investigation data. In compliance with the RAP, the removed ash material was further assessed by PID monitoring of soils from selected buckets of ash for each truckload removed from the site.

An approximate 3-foot thick ash layer was anticipated across the Property, which reportedly overlaid sandy alluvial sands. However, during excavation variations to the planned removal of the ash layer were encountered. These variations, which affected procedures proposed in the RAP are summarized below:

- The anticipated 3-foot ash layer was found to be thicker at various locations within the Liner area. A pit-like area of ash extended to a depth of approximately 14 feet in the western portion of the Property. An additional area of relatively thick ash (estimated at 10 feet) was encountered in eastern extent of the Property.

- Numerous buried limestone foundations and one concrete footing were encountered in the northern portion of the Property.
- Two metal basin-like tanks (not underground storage tanks) were uncovered within the limestone foundations in the northern portion of the Property.
- A buried limestone wall and a broad area of bricks were encountered beneath the ash in the southwestern portion of the Property.
- Fill material other than the anticipated sandy alluvium was found at two locations under the ash layer.

3.2.2 Excavation Sequence

In general, the excavation followed the concept presented in Figure 3 of the RAP; however, the anticipated 2 to 4 feet of ash overlying alluvial sands was not typically encountered. With excavation beginning in the north end of the Property (near corner of Chicago and 2nd Street South), the ash material was approximately 3 feet thick, however, numerous limestone foundation-like structures were uncovered. Composition of the ash consisted of a black dense silty sand with cinders and small pieces of slag.

Underlying the ash, a fill material (Fill A) described as dark yellow-brown silty sand with clay and gravel was encountered instead of the alluvial sands. Further south a concrete footing and an additional limestone structure were encountered. Figure 3 illustrates the positions of the uncovered structures in the northern portion of the Property.

Varied subsurface conditions continued to be encountered as the excavation progressed to the south. As shown in Figure 3, alluvium was encountered under the ash just to the south of the last (most southerly) limestone structure. The ash at this location was initially 3 to 4 feet thick but increased in thickness to the southeast into two pit-like configurations as indicated by the "deep ash" notation in Figure 3. The ash material also tended to be 4 to 5 feet thick on the west side of the excavation area but thickened quickly to the east (towards the parking lot structure) where localized deposits of approximately 10 to 14 feet were encountered. Both pits overlaid alluvial sands underlain by an approximately 5-foot layer of ash. The same dark yellow-brown silty sand with clay and gravel fill that was encountered in the northern extent of the excavation was present between the two pits.

Hennepin County was contacted to assess the excavation results due to the significant increase of the ash thickness,. Upon inspection it was determined the trace amount of ash remaining in the pit (at approximately 14 feet where alluvial sand was encountered) would be sampled for SVOC and metals analysis and backfilled. Both pit areas were backfilled with surrounding alluvial sands Hennepin County requested to again be notified if any similar additional deep ash was encountered. An isopach depicting the areal extent and ash thickness of the pits and other areas in the western portion of the excavation is provided in Figure 4. Analytical results of ash at the bottom of the "west pit" are summarized in Table 2. None of the detected SVOCs or metals exceeded Residential SRV or SLV standards.

Excavation to the south of the “west pit area” encountered anticipated conditions. This area, as shown in Figure 3 consisted of 2 to 3 feet of ash overlaying alluvial sand. The alluvial sand is a light brownish-gray fine sand that was dry, loose, with traces of gravel and iron staining. These conditions continued to the south until a buried limestone wall that was observed adjacent to an area of loose bricks which was encountered near the corner of Chicago and Washington Avenues (Figure 3). The ash overlying the wall and bricks was approximately 3 to 4 feet thick. Closer to the street corner the ash thinned to approximately 2 feet and was overlain by alluvial sands. A small portion of the ash near the corner exhibited PID readings between 2 to 4.8 ppm, however, none of the readings exceeded the action level of 5 ppm. Before loading, further monitoring of the removed ash (approximately one backhoe bucket) also indicated no readings above 5 ppm. This is the only area within the entire Liner excavation that exhibited any PID detections, Given the low PID readings, no samples, therefore were not analyzed for VOCs.

Continued excavation to the east exposed additional bricks under approximately 3 to 4 feet of ash. The bricks, as shown in Figure 3, cover an area of approximately 80 feet by 50 feet. The bricks were left in place as the ash excavation continued to the east.

East of the bricks, alluvial sands were again encountered under approximately 3 to 4 feet of ash. Further east, the ash began to quickly thicken to 6 to 8 feet into a pit-like configuration similar to what was encountered in the west portion of the excavation. Hennepin County was again contacted. Based on inspection of the excavation, it was decided that any further ash encountered at a thickness of more than 6 feet would be documented and left in place.

Continued excavation to the east exposed a combination of thick ash, alluvial sands, and fill material. Figure 3 depicts the configuration of the three different deposits with approximately 2 to 3 feet of ash overlying the alluvial sands and fill. The alluvial sands were the same as in the western portion of the excavation, however the fill (designated Fill B) was a dark brown silty sand that was damp with traces of gravel and clay that differed from the previously encountered fill.

Approximately 6 feet of ash were removed between the alluvium and fill, leaving a deep ash deposit that appears to extend in a sinuous configuration to the east. The thickness of the remaining ash is uncertain, however, based on other areas where deep ash was encountered, the remaining ash at this location may extend an additional 4 to 5 feet. The isopach presented in Figure 4 depicts both the areal extent and the approximate thickness of the remaining ash in the eastern portion of the Property.

3.2.3 Asbestos and Ground Water

The ash is classified as black silty sand containing cinders, slag material, and traces of rusted metal. No suspect asbestos-containing materials were observed in any of the excavated ash material.

Ground water was not encountered during any portion of the Liner excavation. The maximum depth of the excavation was approximately 14 feet in the “west pit area.”

3.2.4 Debris

Two basin-like metal tanks and a concrete footing in the northern extent of the excavation. The tanks were removed and set aside for later disposal by Hennepin County (See photograph in Appendix A). The concrete footing was broken up into smaller pieces and disposed of with the ash. The limestone foundations were left in place.

As noted in Section 3.2.2, an area of loose bricks was encountered in the southwestern portion of the Property (Figure 3). All overlying ash was removed and the bricks left in place for later removal.

Other debris within the ash was limited to small pieces of rusty metal or wire. Across the entire Property, the ash material maintained a composition that was predominantly black dense silty sands with cinders and small pieces of slag. With the exception of the PID detections near the corner of Chicago and Washington Avenues (Section 3.2.2), there were no other PID responses to the ash material.

3.3 FINAL GRADING OF NATIVE AND CLEAN FILL SOILS

Following excavation of the ash layer, the remaining uncontaminated soils deemed to be native (alluvial sand) and fill (Fill A and B) were graded in order to provide a smooth surface until development of the Property occurred.

In general, the final graded soil surface was at or slightly above the adjacent street level. However, the final grade, in some areas, has a "dished" configuration due to some of the deeper ash excavations. Photographs of the final graded are provided in Appendix A.

3.4 CONFIRMATION SAMPLING RESULTS FOR NATIVE AND CLEAN FILL SOILS

Confirmation soil samples were obtained at selected locations and analyzed for SVOCs and metals following excavation of the ash and after grading, in order to confirm the remaining native and clean fill soils complied with applicable SRVs. Sampling equipment consisted of a stainless steel mixing bowl and trowel that were cleaned by rinsing with de-ionized water between each sample location.

Originally the confirmation sampling was to follow the MPCA guidelines that were outlined in the RAP, which required a number of samples from the excavation floor and sidewalls. However, based on conversations with Hennepin County and MPCA personnel, it was determined soil sampling would be conducted after grading had been completed as described in the next paragraph.

The Property was divided into a series of 15 segments, as shown in Figure 5, for the purpose of confirmation sample collection. The location of the segments as well as each sample location is based on taped distances from the corners and sides of the adjacent parking lot structure. Each segment comprised an approximate 35-foot by 35-foot area. A composite soil sample was collected from five locations (three samples from the surface and two samples from a depth of approximately 2 feet). All five samples from each segment were composited in the stainless steel mixing bowl for filling of three 4-oz. jars. The jars were then sealed and placed on ice in a cooler for delivery by Earth Tech to the analyzing laboratory.

Legend Technical Services analyzed confirmation samples for priority pollutant metals, PAHs, SVOCs, and moisture. Results of the confirmation samples are provided in Table 2. Analytical reports are included in Appendix B.

An evaluation of the data in Table 2 indicates most detected compounds are below residential Soil Reference Values (SRVs) and Soil Leaching Values (SLV). Exceptions include one SVOC (Benzo(a)pyrene) that at 2.46 mg/Kg was slightly above the residential SRV of 2 mg/Kg. This detection was located in Segment 9, which included part of the brick area.

In addition, the arsenic concentration of 15 mg/kg in Segment 12 exceeds the residential SRV of 9 mg/Kg. The mercury concentration of 2.9 mg/Kg in Segment 14 exceeds both of the residential and commercial SRVs of 0.5 mg/Kg and 1.5 mg/Kg, respectively.

These exceedances were very limited in number and location. Consideration would likely need to be given to selected excavation in these areas prior to further development.

3.5 DEVIATIONS FROM THE RAP

Most of the ash excavated from the Property was transported to the Onyx FCR Landfill for disposal. The primary deviation from the RAP is the deep ash deposits in the eastern portion of the Property that remain on-site. The deep ash was not excavated from this portion of the Property due to the uncertainty of the timing and types of development at the time of cleanup activities.

Other deviations include the sampling procedures, which as discussed in Section 3.4 were modified after discussion with MPCA personnel. The modification was determined to provide a more representative assessment of potential soil contamination at the site after final grading.

Limestone foundations and loose bricks were not removed. The limestone foundations are massive structures that are to be removed under a separate contractual agreement.

No other deviations from the RAP occurred during the implementation of the Response Action for the Property.

4.0 CONCLUSIONS

The Response Action was implemented in accordance with the RAP and MPCA Conditional Approval of Response Action letter. Approximately 4,550 cubic yards (5,678 tons) of ash fill was removed from the Parcel E Liner excavation. The larger than anticipated ash volume is attributed to the thickness of ash often exceeding the suspected average of 3 feet.

Some ash fill also remains in the eastern portion of the excavation, as shown in Figure 3. This ash will be removed at a later date. The remaining ash volume is estimated at approximately 750 to 1000 yards. There also remains an unknown volume of bricks and limestone foundations.

Debris within the ash was minimal, however, two metal basin-like metal tanks were uncovered in the northern portion of the excavation and disposed of separately. Limestone foundations and a concrete footing were also uncovered in the northern portion of the excavation. The concrete footing was broken up and removed with the ash. The limestone foundations remain in place for later removal.

In the "blue stained soil" area (boring B-19), analytical results and field observations indicated the boring encountered a small isolated concentration of debris/contamination and was not representative of the surrounding soils. The analytical results also indicated the excavated soils could be removed from the site along with the ash material.

Although some of the ash material has been characterized in the past as having contaminant concentrations above SRVs and SLVs, most samples from the final grading of the excavation area exhibited SVOC and metals concentrations below SRVs and SLVs. Limited exceedances of residential SRVs and SLV were primarily located in the eastern portion of the excavation where graded soils were comprised of a combination of remaining ash, fill, and alluvial sands.

When the remaining ash is excavated the residential SRVs are SLVs in the eastern portion of the excavation are likely to diminish and exhibit a pattern similar to the western portion of the excavation area. A Declaration of Restrictions and Covenants will need to be prepared if the remaining ash fill is not removed from the Property.

TABLES

TABLE 1

PREVIOUS INVESTIGATIONS SOIL SAMPLE ANALYTICAL DETECTED RESULTS
Parcel E, Minneapolis, Minnesota

Sample ID (Depth)	Res SRV	Ind/Com SRV	STW SRV	GP-13 (2'-6')	GP-13 (8'-12')	GP-14 (8'-12')	B-19 (2.5'-4.5')	TP-120 (7')	TP-121 (4')	TP-122 (5')	TP-123 (3.25')	TP-124 (2.25')	GP-15 (8')	GP-16 (3.25')	GP-17 (2.5')	GP-18 (3.5')	GP-19 (2.5')	GP-20 (2.0')	
Stratigraphic Unit				Composite (Ash Fill / Quat Fill)	Composite (Quat Fill / Geo)	Composite (Quat Fill / Geo)	Ash Fill (Clinker Unit)	Organic Fill	Quaternary Fill	Glaciofluvial Subfacies B	Quaternary Fill	Quaternary Fill	Quaternary Fill	Ash Fill (Clinker Unit)	Peat Layer	Peat Layer	Quaternary Fill	Ash Fill (Clinker Unit)	
Reference Report	MPCA (01/00)						STS (10/02)	Earth Tech (02/05)											
ANALYTE																			
Polycyclic Aromatic Hydrocarbons (mg/kg)																			
Acenaphthene	1200	5260	19000				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.44	ND
Anthracene	7880	45400	100000	0.1 J	7.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.77	ND
Benzo[a]anthracene	(1)	(1)	(1)	0.31 J	12	ND	2.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.10	ND
Benzo[b]fluoranthene	(1)	(1)	(1)	0.74	18	ND	2.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.96	0.4
Benzo[k]fluoranthene	(1)	(1)	(1)	0.21 J	17	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.52	ND
Benzo(g,h,i)perylene	-	-	-				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.38	ND
Benzo(a)pyrene	(1)	(1)	(1)	0.31 J	10	ND	2.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.91	ND
Chrysene	(1)	(1)	(1)	0.5	8.2	ND	3.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.10	0.4
Dibenzo(a,h)anthracene	(1)	(1)	(1)	0.095 J	1.3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Fluoranthene	1080	6800	48600	0.58	41	ND	6.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2.70	0.52
Fluorene	850	4120	17240	ND	4.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.40	ND
Indeno[1,2,3-c,d]pyrene	(1)	(1)	(1)	0.36	3.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.43	ND
Phenanthrene	-	-	-				5.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	3.30	ND
Pyrene	890	5800	43000	0.57	32	ND	5.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2.20	0.50
Benzo(a)pyrene (BaP)E equivalents	2	3	10	0.5	15.9	ND	2.7	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.31	0.05
Metals (mg/kg)																			
Antimony	12	100	100	ND	ND	27.9	ND			1.9									
Mercury	0.5	2	0.7				1.03	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.17	0.44
Arsenic	9	20	55	32.9	4.1	ND	8.86	3.7	23.0	4.5	2.0	1.9	8.8	2.7	3.0	1.0	4.9	27.0	
Barium	1100	18000	12500				648	260.0	390.0	37.0	43.0	89.0	170.0	45.0	50.0	32.0	67.0	200.0	
Cadmium	25	200	-				2.13	0.42	ND	1.2	ND	ND	1.1	ND	ND	ND	0.5	1.8	
Chromium	87	650	340				39.1	7.5	37.0	14.0	12.0	8.6	9.2	6.9	13.0	9.3	9.0	15.0	
Iron	9000	75000	-	33,800	8830	5000													
Lead	300	700	700				2420.0	2.9	9.7	39.0	3.7	2.1	17.0	5.8	9.2	3.8	310.0	230.0	
Selenium	160	1300	950	1.6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5.2
Silver	160	1300	950				ND	0.38	0.28	0.29	ND	ND	ND	ND	ND	ND	ND	ND	ND

Notes:

ND = Not Detected above reported detection limit.

- = No SRV available.

(1) = Concentration contributes to calculation of Benzo(a)pyrene equivalents.

=Not Analyzed.

= above Residential SRV.

Bold = above Industrial/Commercial SRV.

Res - Residential.

Ind/Com - Industrial/Commercial.

STW - Short-Term Worker.

SRV - Soil Reference Value.

MPCA boring stratigraphy extrapolated from nearby borings with logs.

TABLE 2

**CONFIRMATION SAMPLE ANALYTICAL DETECTED RESULTS
PARCEL E LINER, MINNEAPOLIS, MINNESOTA**

Sample ID (Depth)	Res SRV	SLV	West Pit Excavation	Segment 1	Segment 2	Segment 3	Segment 4	Segment 5
			Near Seg 4 - Ash	Fill Between Foundations	Fill Between Foundations	Fill Between Foundations	Alluvial Sands	Alluvial Sands
ANALYTE								
Semivolatile Organic Compounds (SVOCs) (mg/kg) (Detected Only)								
Anthracene	7880	942	0.42	ND	ND	ND	ND	ND
Benzo[a]anthracene	(1)	(1)	0.61	ND	ND	ND	ND	ND
Benzo[b]fluoranthene	(1)	(1)	0.57	ND	ND	ND	ND	ND
Benzo(a)pyrene	(1)	(1)	0.47	ND	ND	ND	ND	ND
Chrysene	(1)	(1)	0.58	ND	ND	ND	ND	ND
Fluoranthene	1080	295	1.3	ND	ND	ND	ND	ND
Naphthalene	10	7.5	1.3	ND	ND	ND	ND	ND
Phenanthrene	-	-	1.5	ND	ND	ND	ND	ND
Pyrene	890	272	1.1	ND	ND	ND	ND	ND
Benzo(a)pyrene (BaP)Equivalents	2	10.2	0.594	ND	ND	ND	ND	ND
Metals (mg/kg)								
Antimony	12	2.7	2.8	0.54	1.3	0.86	0.86	0.69
Arsenic	9	15.1	4.5	2.3	2.9	1.8	2.0	1.8
Beryllium	55	1.4	0.36	ND	ND	ND	ND	ND
Chromium	87	18	10	11	7.2	5.2	6.8	8.6
Copper	100	400.0	11.0	7.9	5.2	4.5	6.2	3.9
Lead	300	525	32	6.5	4.3	4.0	3.6	6.9
Mercury	0.5	1.6	0.13	ND	ND	ND	ND	ND
Nickel	560	88	11	12	11	8.7	9.9	7.6
Zinc	8700	1500	45	78	18	19	17	17

Notes:

ND = Not Detected above reported detection limit.

- = No SRV or SLV available.

(1) = Concentration contributes to calculation of Benzo(a)pyrene equivalents.

 = above Residential SRV.

Bold = above SLV.

Res - Residential

SRV - Soil Reference Value

SLV - Soil Leaching Value

TABLE 2

**CONFIRMATION SAMPLE ANALYTICAL DETECTED RESULTS
PARCEL E LINER, MINNEAPOLIS, MINNESOTA**

Sample ID (Depth)	Res SRV	SLV	Segment 6	Segment 7	Segment 8	Segment 9	Segment 10	Segment 11
			Alluvial Sands	Alluvial Sands	Alluvial Sands / Brick Area	Brick Area	Alluvial Sands	Ash/Alluvial Sands
ANALYTE								
Semivolatile Organic Compounds (SVOCs) (mg/kg)								
Anthracene	7880	942	ND	ND	ND	0.91	ND	ND
Benzo[a]anthracene	(1)	(1)	ND	ND	0.78	2.3	ND	ND
Benzo[b]fluoranthene	(1)	(1)	ND	ND	0.86	2.4	ND	ND
Benzo(a)pyrene	(1)	(1)	ND	ND	0.66	1.8	ND	ND
Benzo(g,h,i)perylene	-	-	ND	ND	ND	0.53	ND	ND
Benzo(k)fluoranthene	(1)	(1)	ND	ND	ND	1.0	ND	ND
Chrysene	(1)	(1)	ND	ND	0.85	2.3	ND	ND
Fluoranthene	1080	295	ND	ND	1.8	4.9	ND	ND
Indeno(1,2,3-cd)pyrene	(1)	(1)	ND	ND	ND	0.67	ND	ND
Phenanthrene	-	-	ND	ND	1.2	3.9	ND	ND
Pyrene	890	272	ND	ND	1.5	4.1	ND	ND
Benzo(a)pyrene (BaP)Equivalentents	2	10.2	ND	ND	0.833	2.46	ND	ND
Metals (mg/kg)								
Antimony	12	2.7	1.0	0.94	1.2	1.5	0.66	1.5
Arsenic	9	15.1	1.8	2.2	2.6	2.9	1.9	3.0
Beryllium	55	1.4	ND	ND	ND	ND	ND	ND
Cadmium	25	4.4	ND	ND	ND	0.32	ND	ND
Chromium	87	18	6.0	5.2	8.7	5.8	6.0	8.7
Copper	100	400	11.0	4.4	6.9	7.1	5.1	38.0
Lead	300	525	3.4	63	48	260	11	49
Mercury	0.5	1.6	ND	ND	ND	ND	ND	0.16
Nickel	560	88	8.0	6.0	8.0	7.8	8.9	14
Zinc	8700	1500	15	36	31	41	22	52

Notes:

ND = Not Detected above reported detection limit.

- = No SRV or SLV available.

(1) = Concentration contributes to calculation of Benzo(a)pyrene equivalentents.

 = above Residential SRV.

Bold = above SLV.

Res - Residential

SRV - Soil Reference Value

SLV - Soil Leaching Value

TABLE 2

CONFIRMATION SAMPLE ANALYTICAL DETECTED RESULTS
PARCEL E LINER, MINNEAPOLIS, MINNESOTA

Sample ID (Depth)	Res SRV	SLV	Segment 12	Segment 13	Segment 14	Segment 15	Sample 3
			Ash/Fill/ Alluvial Sands	Ash/Fill/ Alluvial Sands	Ash/Fill/ Alluvial Sands	Ash/Fill/ Alluvial Sands	Beneath "Blue Soil"
ANALYTE							
Semivolatile Organic Compounds (SVOCs) (mg/kg)							
Anthracene	7880	942	ND	ND	ND	ND	NA
Benzo[a]anthracene	(1)	(1)	ND	ND	ND	0.47	NA
Benzo[b]fluoranthene	(1)	(1)	ND	ND	ND	0.58	NA
Benzo(a)pyrene	(1)	(1)	ND	ND	ND	0.42	NA
Benzo(g,h,i)perylene	-	-	ND	ND	ND	ND	NA
Benzo(k)fluoranthene	(1)	(1)	ND	ND	ND	ND	NA
Chrysene	(1)	(1)	ND	ND	ND	0.48	NA
Fluoranthene	1080	295	ND	ND	ND	1.0	NA
Indeno(1,2,3-cd)pyrene	(1)	(1)	ND	ND	ND	ND	NA
Naphthalene	10	7.5	ND	ND	ND	ND	NA
Phenanthrene	-	-	ND	ND	ND	0.81	NA
Pyrene	890	272	ND	ND	ND	0.85	NA
Benzo(a)pyrene (BaP)Equivalents	2	10.2	ND	ND	ND	0.53	NA
Metals (mg/kg)							
Antimony	12	2.7	5.2	1.1	1.3	1.1	NA
Arsenic	9	15.1	15	2.9	4.4	3.4	2.8
Barium	1100	842	NA	NA	NA	NA	77
Beryllium	55	1.4	0.43	ND	ND	ND	NA
Cadmium	25	4.4	0.34	ND	0.42	ND	ND
Chromium	87	18	9.3	5.9	7.4	8.6	7.8
Copper	100	400	20.0	14.0	26.0	11.0	NA
Lead	300	525	100	34	99	180	28
Mercury	0.5	1.6	0.33	ND	2.9	0.38	ND
Nickel	560	88	13	8.3	8.3	12	NA
Zinc	8700	1500	160	210	150	46	NA

Notes:

ND = Not Detected above reported detection limit.

NA = Not Analyzed

- = No SRV or SLV available.

(1) = Concentration contributes to calculation of Benzo(a)pyrene equivalents.

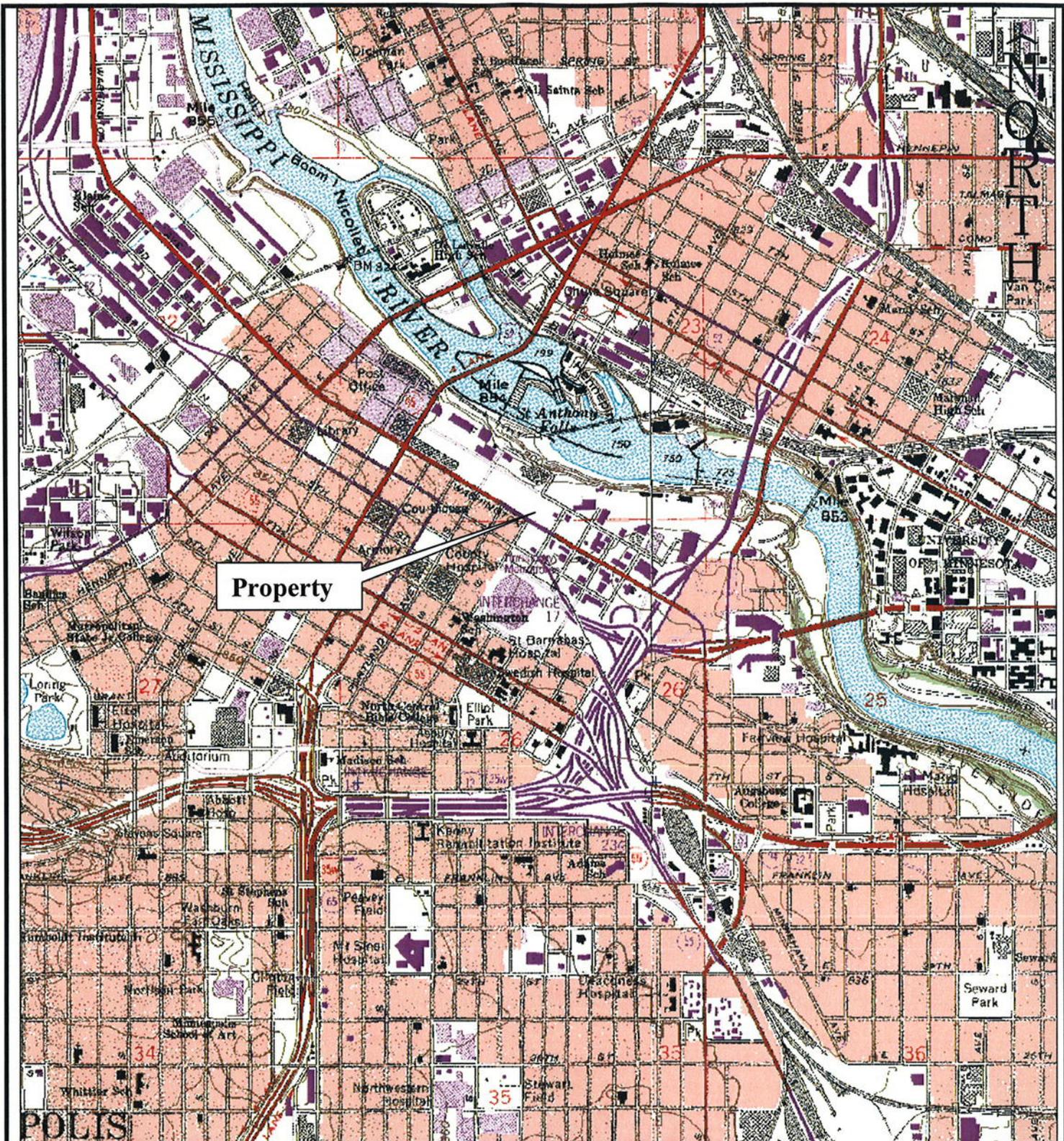
15 = above Residential SRV.**2.9** = above SLV.

Res - Residential

SRV - Soil Reference Value

SLV - Soil Leaching Value

FIGURES



Property

AECOM

AECOM
 161 Cheshire Lane North, Suite 500
 Minneapolis, Minnesota 55441
 T 763-852-4200 F 763-473-0400
 www.aecom.com

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Property Location Diagram

Drawn: GJR

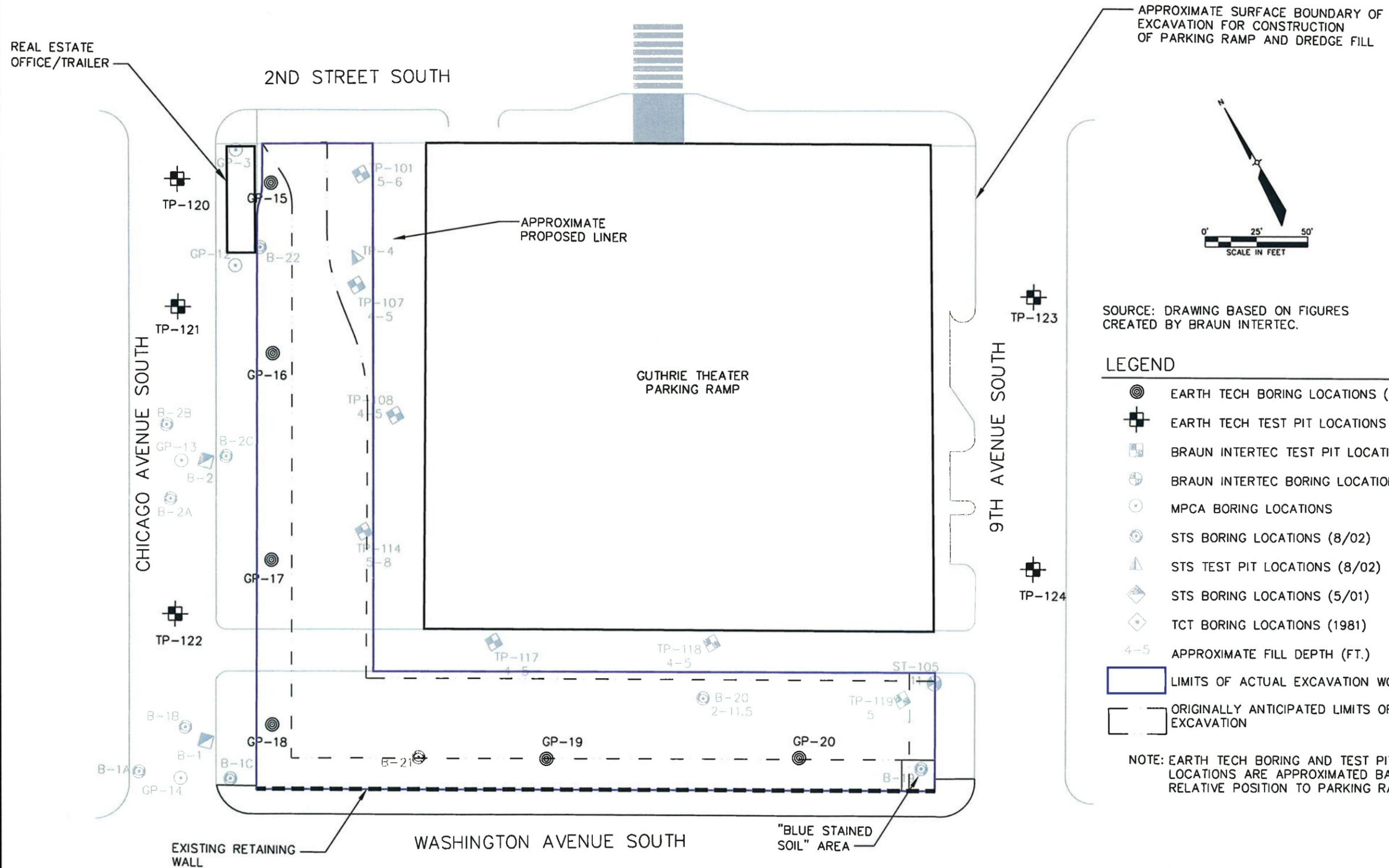
Checked:

Approved:

PROJECT NUMBER **60147890**

FIGURE NUMBER **1**

EXCAVATION AREA AND DEVELOPMENT LAYOUT
 PARCEL E
 HENNEPIN COUNTY, MINNESOTA



SOURCE: DRAWING BASED ON FIGURES
 CREATED BY BRAUN INTERTEC.

LEGEND

- EARTH TECH BORING LOCATIONS (1/05)
- EARTH TECH TEST PIT LOCATIONS (1/05)
- BRAUN INTERTEC TEST PIT LOCATIONS (3/04)
- BRAUN INTERTEC BORING LOCATIONS (1/04)
- MPCA BORING LOCATIONS
- STS BORING LOCATIONS (8/02)
- STS TEST PIT LOCATIONS (8/02)
- STS BORING LOCATIONS (5/01)
- TCT BORING LOCATIONS (1981)
- 4-5 APPROXIMATE FILL DEPTH (FT.)
- LIMITS OF ACTUAL EXCAVATION WORK
- ORIGINALLY ANTICIPATED LIMITS OF EXCAVATION

NOTE: EARTH TECH BORING AND TEST PIT
 LOCATIONS ARE APPROXIMATED BASED ON
 RELATIVE POSITION TO PARKING RAMP

Drawn: TAK 2/15/2010

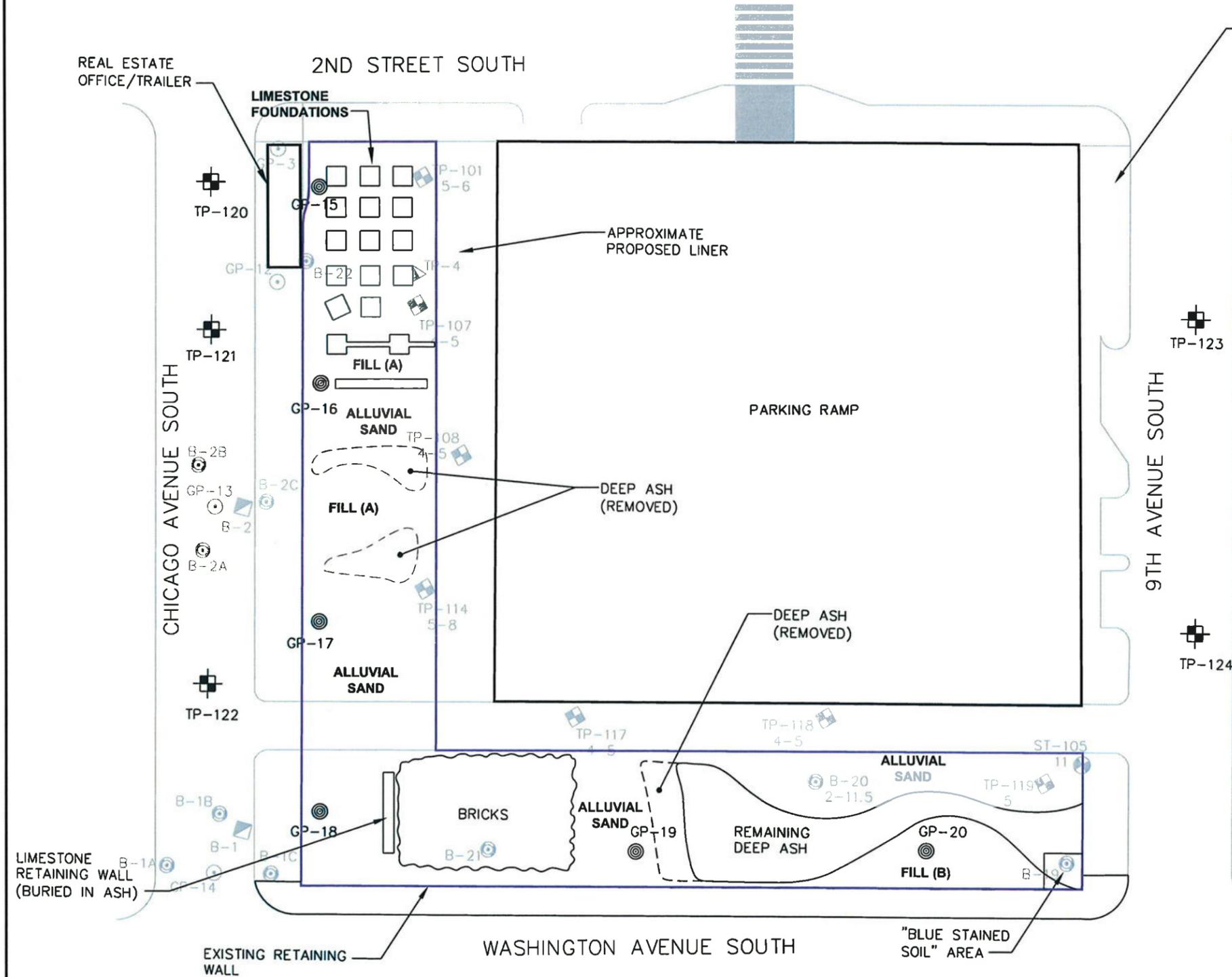
Checked: PC 2/15/2010

Approved: PC 2/15/2010

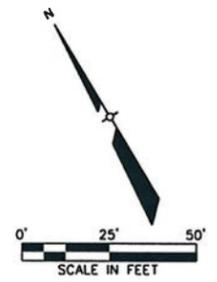
PROJECT NUMBER 60147890

FIGURE NUMBER 2

EXCAVATION DETAILS
 PARCELE
 HENNEPIN COUNTY, MINNESOTA



APPROXIMATE SURFACE BOUNDARY OF EXCAVATION FOR CONSTRUCTION OF PARKING RAMP AND DREDGE FILL



SOURCE: DRAWING BASED ON FIGURES CREATED BY BRAUN INTERTEC.

LEGEND

- EARTH TECH BORING LOCATIONS (1/05)
- EARTH TECH TEST PIT LOCATIONS (1/05)
- BRAUN INTERTEC TEST PIT LOCATIONS (3/04)
- BRAUN INTERTEC BORING LOCATIONS (1/04)
- MPCA BORING LOCATIONS
- STS BORING LOCATIONS (8/02)
- STS TEST PIT LOCATIONS (8/02)
- STS BORING LOCATIONS (5/01)
- TCT BORING LOCATIONS (1981)
- 4-5 APPROXIMATE FILL DEPTH (FT.)
- LIMITS OF EXCAVATION WORK

NOTE: EARTH TECH BORING AND TEST PIT LOCATIONS ARE APPROXIMATED BASED ON RELATIVE POSITION TO PARKING RAMP

Drawn:	TAK	2/15/2010
Checked:	PC	2/15/2010
Approved:	PC	2/15/2010
PROJECT NUMBER	60147890	
FIGURE NUMBER	3	

REAL ESTATE OFFICE/TRAILER

2ND STREET SOUTH

APPROXIMATE SURFACE BOUNDARY OF EXCAVATION FOR CONSTRUCTION OF PARKING RAMP AND DREDGE FILL

APPROXIMATE PROPOSED LINER

PARKING RAMP

DEEP ASH (REMOVED)

9TH AVENUE SOUTH

CHICAGO AVENUE SOUTH



SOURCE: DRAWING BASED ON FIGURES CREATED BY BRAUN INTERTEC.

LEGEND

- CONTOUR INTERVAL = 2 FT. (ZERO AT LIMITS OF EXCAVATION)
- EARTH TECH BORING LOCATIONS (1/05)
- EARTH TECH TEST PIT LOCATIONS (1/05)
- BRAUN INTERTEC TEST PIT LOCATIONS (3/04)
- BRAUN INTERTEC BORING LOCATIONS (1/04)
- MPCA BORING LOCATIONS
- STS BORING LOCATIONS (8/02)
- STS TEST PIT LOCATIONS (8/02)
- STS BORING LOCATIONS (5/01)
- TCT BORING LOCATIONS (1981)
- APPROXIMATE FILL DEPTH (FT.)
- LIMITS OF EXCAVATION WORK

NOTE: EARTH TECH BORING AND TEST PIT LOCATIONS ARE APPROXIMATED BASED ON RELATIVE POSITION TO PARKING RAMP

EXISTING RETAINING WALL

WASHINGTON AVENUE SOUTH

"BLUE STAINED SOIL" AREA

FORMER ASH ISOPACH
 PARCEL E
 HENNEPIN COUNTY, MINNESOTA

Drawn: TAK 2/15/2010

Checked: PC 2/15/2010

Approved: PC 2/15/2010

PROJECT NUMBER 60147890

FIGURE NUMBER 4

REAL ESTATE OFFICE/TRAILER

2ND STREET SOUTH

APPROXIMATE SURFACE BOUNDARY OF EXCAVATION FOR CONSTRUCTION OF PARKING RAMP AND DREDGE FILL

APPROXIMATE PROPOSED LINER



SOURCE: DRAWING BASED ON FIGURES CREATED BY BRAUN INTERTEC.

LEGEND

- ⑮ SAMPLING SEGMENT NO.
- • • COMPOSITE SOIL SAMPLE LOCATIONS WITHIN SAMPLING SEGMENT (3 SAMPLES AT SURFACE/ 2 SAMPLES AT ~ 2FT.)
- ⊙ EARTH TECH BORING LOCATIONS (1/05)
- ⊕ EARTH TECH TEST PIT LOCATIONS (1/05)
- ⊞ BRAUN INTERTEC TEST PIT LOCATIONS (3/04)
- ⊟ BRAUN INTERTEC BORING LOCATIONS (1/04)
- ⊠ MPCA BORING LOCATIONS
- ⊡ STS BORING LOCATIONS (8/02)
- ⊢ STS TEST PIT LOCATIONS (8/02)
- ⊣ STS BORING LOCATIONS (5/01)
- ⊤ TCT BORING LOCATIONS (1981)
- 4-5 APPROXIMATE FILL DEPTH (FT.)
- ▭ LIMITS OF EXCAVATION WORK

NOTE: EARTH TECH BORING AND TEST PIT LOCATIONS ARE APPROXIMATED BASED ON RELATIVE POSITION TO PARKING RAMP

CHICAGO AVENUE SOUTH

9TH AVENUE SOUTH

PARKING RAMP

DEEP ASH (REMOVED)

WASHINGTON AVENUE SOUTH

EXISTING RETAINING WALL

"BLUE STAINED SOIL" AREA

CONFIRMATION SOIL SAMPLE LOCATIONS
 PARCEL E
 HENNEPIN COUNTY, MINNESOTA

Drawn: TAK 2/15/2010

Checked: PC 2/15/2010

Approved: PC 2/15/2010

PROJECT NUMBER 60147890

FIGURE NUMBER 5

APPENDIX A
RESPONSE ACTION PHOTOGRAPHS



(April 24, 2006) Pre-excitation. Looking west along Washington Ave.



(April 24, 2006) Pre-excitation. Looking north along Chicago Ave.



(April 24, 2006) Initial excavation in north end near Chicago Washington Avenues. Ash removed, exposing old limestone Foundations within fill material.



(April 24, 2006) One of two metal tanks found within old limestone foundations. Note alluvium in background.



(April 24, 2006) Approximate 8 ft. x 8 ft. excavation of "blue stained" soil area.



(April 24, 2006) Location of excavated "blue stained" soils. Soil pile was sampled and covered with plastic.



(April 24, 2006) Typical loading of ash into transfer truck.



(April 24, 2006) View from top of adjacent parking ramp of exposed limestone foundations in north end of excavation.



(April 25, 2006) Encountering deeper ash in central portion of excavation along Chicago Ave. Note alluvium to the right, which was encountered south of the fill and old foundation area.



(April 25, 2006) View from top of adjacent parking ramp along Chicago Avenue. Ash removed, exposing old foundations, fill, and alluvium. Note yellow-brown fill between two deep ash pit areas.



(April 26, 2006) Excavating south of "deep ash Pit" area near southwest corner of parking ramp. Encountering alluvium under ash.



(April 26, 2006) Excavation near corner of Washington and Chicago Avenues. Note limestone wall buried within ash.



(April 26, 2006) Southwest portion of excavation near corner of Washington and Chicago Avenues. Note area of bricks where ash has been removed.



(April 26, 2006) Area along retaining wall where deeper pocket of ash was encountered.



(April 27, 2006) Cross section of deeper pocket of ash along retaining wall .



(April 27, 2006) Deep ash encountered within central area of excavation along Washington Avenue.



(April 27, 2006) Southwest end of excavation near Washington and 9th Avenue South. Note exposed brown fill material after ash removal.



(April 28, 2006) Final ash excavation near corner of Washington and Chicago Avenues. Note, ash overlying alluvium.



(April 28, 2006) Initial grading, by backhoe, of area along Chicago Avenue.



(April 28, 2006) Initial grading, by backhoe, of area along Washington Avenue.



(May 1, 2006) Looking west at final grading of area along Chicago Avenue.



(May 1, 2006) Looking east on final grading of area along Chicago Avenue. Note brick area in foreground and plastic covered soil pile from "blue stained" soil excavation.



(May 2, 2006) Soil pile from "blue stained soil" excavation has been removed. Crushed metal tank material from old foundation area is ready for removal.

APPENDIX B

LABORATORY ANALYTICAL REPORTS



88 Empire Drive
St. Paul, MN 55103
Tel: 651.642.1150
Fax: 651.642.1239

May 11, 2006

Mr. Chandler Taylor
EarthTech
3033 Campus Drive N, Suite 290
Minneapolis, MN 55441

Work Order Number: 0601844
RE: Hennepin County

Enclosed are the results of analyses for samples received by the laboratory on 05/01/06. If you have any questions concerning this report, please feel free to contact me.

All samples will be retained by LEGEND for 30 days from the date of this report and then discarded unless other arrangements are made.

Minnesota Certification # 027-123-295

Prepared by,
LEGEND TECHNICAL SERVICES, INC

A handwritten signature in black ink, appearing to read "Chris A.", written over a horizontal line.

Chris Bremer
Laboratory Director

A handwritten signature in black ink, appearing to read "Paul Kirchberg", written over a horizontal line.

Paul Kirchberg
Client Representative

Legend Technical Services, Inc

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

LEGEND

Technical Services, Inc.

88 Empire Drive
St Paul, MN 55103
651.642.1150

EarthTech
3033 Campus Drive N, Suite 290
Minneapolis MN, 55441

Project: Hennepin County
Project Number: 89244.03
Project Manager: Mr. Chandler Taylor

Date Reported:
May 11, 2006

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
Segment 1	0601844-01	Soil	05/01/06 11:45	05/01/06 14:50
Segment 2	0601844-02	Soil	05/01/06 11:55	05/01/06 14:50
Segment 3	0601844-03	Soil	05/01/06 12:10	05/01/06 14:50
Segment 4	0601844-04	Soil	05/01/06 12:25	05/01/06 14:50
Segment 5	0601844-05	Soil	05/01/06 12:35	05/01/06 14:50
Segment 6	0601844-06	Soil	05/01/06 12:50	05/01/06 14:50
Segment 7	0601844-07	Soil	05/01/06 13:00	05/01/06 14:50
Segment 8	0601844-08	Soil	05/01/06 13:15	05/01/06 14:50

Shipping container information

Default Cooler

Temperature: 3.9

Received on ice: Yes
Received on melt water: No
Custody seals: No

Temperature blank was present
Ambient: No

Received on blue ice: No
Acceptable (IH/ISO only): No

Case Narrative:

LEGEND

Technical Services, Inc.

88 Empire Drive
St Paul, MN 55103
651.642.1150

EarthTech
3033 Campus Drive N, Suite 290
Minneapolis MN, 55441

Project: Hennepin County
Project Number: 89244.03
Project Manager: Mr. Chandler Taylor

Date Reported:
May 11, 2006

TOTAL METALS ANALYSIS Legend Technical Services, Inc

Analyte	Result	Reporting Limit	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Segment 1 (0601844-01) Soil Received:05/01/06 14:50 Sampled:05/01/06 11:45										
Mercury	<0.11	0.11	0.0031	mg/kg dry	1	B6E0508	05/05/06	05/05/06	EPA 7471A	
Antimony	0.54	0.54	0.14	mg/kg dry	1	B6E0511	05/05/06	05/08/06	EPA 6010B	
Arsenic	2.3	0.54	0.091	mg/kg dry	1	"	"	"	"	
Beryllium	<0.27	0.27	0.0024	mg/kg dry	1	"	"	"	"	
Cadmium	<0.27	0.27	0.081	mg/kg dry	1	"	"	"	"	
Chromium	11	0.54	0.022	mg/kg dry	1	"	"	"	"	
Copper	7.9	1.1	0.049	mg/kg dry	1	"	"	"	"	
Lead	6.5	1.1	0.028	mg/kg dry	1	"	"	"	"	
Nickel	12	0.54	0.030	mg/kg dry	1	"	"	"	"	
Selenium	<1.1	1.1	0.11	mg/kg dry	1	"	"	"	"	
Silver	<0.27	0.27	0.019	mg/kg dry	1	"	"	"	"	
Thallium	<2.2	2.2	0.19	mg/kg dry	1	"	"	"	"	
Zinc	78	1.1	0.070	mg/kg dry	1	"	"	"	"	
Segment 2 (0601844-02) Soil Received:05/01/06 14:50 Sampled:05/01/06 11:55										
Mercury	<0.11	0.11	0.0031	mg/kg dry	1	B6E0508	05/05/06	05/05/06	EPA 7471A	
Antimony	1.3	0.53	0.14	mg/kg dry	1	B6E0511	05/05/06	05/08/06	EPA 6010B	
Arsenic	2.9	0.53	0.089	mg/kg dry	1	"	"	"	"	
Beryllium	<0.26	0.26	0.0023	mg/kg dry	1	"	"	"	"	
Cadmium	<0.26	0.26	0.079	mg/kg dry	1	"	"	"	"	
Chromium	7.2	0.53	0.021	mg/kg dry	1	"	"	"	"	
Copper	5.2	1.1	0.048	mg/kg dry	1	"	"	"	"	
Lead	4.3	1.1	0.027	mg/kg dry	1	"	"	"	"	
Nickel	11	0.53	0.029	mg/kg dry	1	"	"	"	"	
Selenium	<1.1	1.1	0.11	mg/kg dry	1	"	"	"	"	
Silver	<0.26	0.26	0.019	mg/kg dry	1	"	"	"	"	
Thallium	<2.1	2.1	0.19	mg/kg dry	1	"	"	"	"	
Zinc	18	1.1	0.068	mg/kg dry	1	"	"	"	"	

Legend Technical Services, Inc

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

LEGEND

Technical Services, Inc.

88 Empire Drive
St Paul, MN 55103
651.642.1150

EarthTech
3033 Campus Drive N, Suite 290
Minneapolis MN, 55441

Project: Hennepin County
Project Number: 89244.03
Project Manager: Mr. Chandler Taylor

Date Reported:
May 11, 2006

TOTAL METALS ANALYSIS Legend Technical Services, Inc

Analyte	Result	Reporting Limit	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Segment 3 (0601844-03) Soil Received:05/01/06 14:50 Sampled:05/01/06 12:10										
Mercury	<0.11	0.11	0.0031	mg/kg dry	1	B6E0508	05/05/06	05/05/06	EPA 7471A	
Antimony	0.86	0.53	0.14	mg/kg dry	1	B6E0511	05/05/06	05/08/06	EPA 6010B	
Arsenic	1.8	0.53	0.090	mg/kg dry	1	"	"	"	"	
Beryllium	<0.27	0.27	0.0023	mg/kg dry	1	"	"	"	"	
Cadmium	<0.27	0.27	0.080	mg/kg dry	1	"	"	"	"	
Chromium	5.2	0.53	0.021	mg/kg dry	1	"	"	"	"	
Copper	4.5	1.1	0.049	mg/kg dry	1	"	"	"	"	
Lead	4.0	1.1	0.028	mg/kg dry	1	"	"	"	"	
Nickel	8.7	0.53	0.030	mg/kg dry	1	"	"	"	"	
Selenium	<1.1	1.1	0.11	mg/kg dry	1	"	"	"	"	
Silver	<0.27	0.27	0.019	mg/kg dry	1	"	"	"	"	
Thallium	<2.1	2.1	0.19	mg/kg dry	1	"	"	"	"	
Zinc	19	1.1	0.069	mg/kg dry	1	"	"	"	"	
Segment 4 (0601844-04) Soil Received:05/01/06 14:50 Sampled:05/01/06 12:25										
Mercury	<0.11	0.11	0.0032	mg/kg dry	1	B6E0508	05/05/06	05/05/06	EPA 7471A	
Antimony	0.86	0.54	0.14	mg/kg dry	1	B6E0511	05/05/06	05/08/06	EPA 6010B	
Arsenic	2.0	0.54	0.092	mg/kg dry	1	"	"	"	"	
Beryllium	<0.27	0.27	0.0024	mg/kg dry	1	"	"	"	"	
Cadmium	<0.27	0.27	0.082	mg/kg dry	1	"	"	"	"	
Chromium	6.8	0.54	0.022	mg/kg dry	1	"	"	"	"	
Copper	6.2	1.1	0.050	mg/kg dry	1	"	"	"	"	
Lead	3.6	1.1	0.028	mg/kg dry	1	"	"	"	"	
Nickel	9.9	0.54	0.030	mg/kg dry	1	"	"	"	"	
Selenium	<1.1	1.1	0.11	mg/kg dry	1	"	"	"	"	
Silver	<0.27	0.27	0.020	mg/kg dry	1	"	"	"	"	
Thallium	<2.2	2.2	0.20	mg/kg dry	1	"	"	"	"	
Zinc	17	1.1	0.071	mg/kg dry	1	"	"	"	"	

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LEGEND

Technical Services, Inc.

88 Empire Drive
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EarthTech
3033 Campus Drive N, Suite 290
Minneapolis MN, 55441

Project: Hennepin County
Project Number: 89244.03
Project Manager: Mr. Chandler Taylor

Date Reported:
May 11, 2006

TOTAL METALS ANALYSIS Legend Technical Services, Inc

Analyte	Result	Reporting Limit	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Segment 5 (0601844-05) Soil Received:05/01/06 14:50 Sampled:05/01/06 12:35										
Mercury	<0.11	0.11	0.0031	mg/kg dry	1	B6E0508	05/05/06	05/05/06	EPA 7471A	
Antimony	0.69	0.53	0.14	mg/kg dry	1	B6E0511	05/05/06	05/08/06	EPA 6010B	
Arsenic	1.8	0.53	0.090	mg/kg dry	1	"	"	"	"	
Beryllium	<0.27	0.27	0.0023	mg/kg dry	1	"	"	"	"	
Cadmium	<0.27	0.27	0.080	mg/kg dry	1	"	"	"	"	
Chromium	8.6	0.53	0.021	mg/kg dry	1	"	"	"	"	
Copper	3.9	1.1	0.049	mg/kg dry	1	"	"	"	"	
Lead	6.9	1.1	0.028	mg/kg dry	1	"	"	"	"	
Nickel	7.6	0.53	0.030	mg/kg dry	1	"	"	"	"	
Selenium	<1.1	1.1	0.11	mg/kg dry	1	"	"	"	"	
Silver	<0.27	0.27	0.019	mg/kg dry	1	"	"	"	"	
Thallium	<2.1	2.1	0.19	mg/kg dry	1	"	"	"	"	
Zinc	17	1.1	0.069	mg/kg dry	1	"	"	"	"	
Segment 6 (0601844-06) Soil Received:05/01/06 14:50 Sampled:05/01/06 12:50										
Mercury	<0.11	0.11	0.0031	mg/kg dry	1	B6E0508	05/05/06	05/05/06	EPA 7471A	
Antimony	1.0	0.53	0.14	mg/kg dry	1	B6E0511	05/05/06	05/08/06	EPA 6010B	
Arsenic	1.8	0.53	0.090	mg/kg dry	1	"	"	"	"	
Beryllium	<0.27	0.27	0.0023	mg/kg dry	1	"	"	"	"	
Cadmium	<0.27	0.27	0.080	mg/kg dry	1	"	"	"	"	
Chromium	6.0	0.53	0.021	mg/kg dry	1	"	"	"	"	
Copper	11	1.1	0.049	mg/kg dry	1	"	"	"	"	
Lead	3.4	1.1	0.028	mg/kg dry	1	"	"	"	"	
Nickel	8.0	0.53	0.030	mg/kg dry	1	"	"	"	"	
Selenium	<1.1	1.1	0.11	mg/kg dry	1	"	"	"	"	
Silver	<0.27	0.27	0.019	mg/kg dry	1	"	"	"	"	
Thallium	<2.1	2.1	0.19	mg/kg dry	1	"	"	"	"	
Zinc	15	1.1	0.069	mg/kg dry	1	"	"	"	"	

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Project Number: 89244.03
Project Manager: Mr. Chandler Taylor

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TOTAL METALS ANALYSIS Legend Technical Services, Inc

Analyte	Result	Reporting Limit	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Segment 7 (0601844-07) Soil Received:05/01/06 14:50 Sampled:05/01/06 13:00										
Mercury	<0.11	0.11	0.0031	mg/kg dry	1	B6E0508	05/05/06	05/05/06	EPA 7471A	
Antimony	0.94	0.53	0.14	mg/kg dry	1	B6E0511	05/05/06	05/08/06	EPA 6010B	
Arsenic	2.2	0.53	0.090	mg/kg dry	1	"	"	"	"	
Beryllium	<0.27	0.27	0.0023	mg/kg dry	1	"	"	"	"	
Cadmium	<0.27	0.27	0.080	mg/kg dry	1	"	"	"	"	
Chromium	5.2	0.53	0.021	mg/kg dry	1	"	"	"	"	
Copper	4.4	1.1	0.049	mg/kg dry	1	"	"	"	"	
Lead	63	1.1	0.028	mg/kg dry	1	"	"	"	"	
Nickel	6.0	0.53	0.030	mg/kg dry	1	"	"	"	"	
Selenium	<1.1	1.1	0.11	mg/kg dry	1	"	"	"	"	
Silver	<0.27	0.27	0.019	mg/kg dry	1	"	"	"	"	
Thallium	<2.1	2.1	0.19	mg/kg dry	1	"	"	"	"	
Zinc	36	1.1	0.069	mg/kg dry	1	"	"	"	"	
Segment 8 (0601844-08) Soil Received:05/01/06 14:50 Sampled:05/01/06 13:15										
Mercury	<0.11	0.11	0.0032	mg/kg dry	1	B6E0508	05/05/06	05/05/06	EPA 7471A	
Antimony	1.2	0.56	0.14	mg/kg dry	1	B6E0511	05/05/06	05/08/06	EPA 6010B	
Arsenic	2.6	0.56	0.094	mg/kg dry	1	"	"	"	"	
Beryllium	<0.28	0.28	0.0024	mg/kg dry	1	"	"	"	"	
Cadmium	<0.28	0.28	0.083	mg/kg dry	1	"	"	"	"	
Chromium	8.7	0.56	0.022	mg/kg dry	1	"	"	"	"	
Copper	6.9	1.1	0.051	mg/kg dry	1	"	"	"	"	
Lead	48	1.1	0.029	mg/kg dry	1	"	"	"	"	
Nickel	8.0	0.56	0.031	mg/kg dry	1	"	"	"	"	
Selenium	<1.1	1.1	0.11	mg/kg dry	1	"	"	"	"	
Silver	<0.28	0.28	0.020	mg/kg dry	1	"	"	"	"	
Thallium	<2.2	2.2	0.20	mg/kg dry	1	"	"	"	"	
Zinc	31	1.1	0.072	mg/kg dry	1	"	"	"	"	

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Project: Hennepin County
Project Number: 89244.03
Project Manager: Mr. Chandler Taylor

Date Reported:
May 11, 2006

PAH 8270C Legend Technical Services, Inc

Analyte	Result	Reporting Limit	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Segment 1 (0601844-01) Soil Received:05/01/06 14:50 Sampled:05/01/06 11:45										
2-Chloronaphthalene	<0.39	0.39	0.040	mg/kg dry	1	B6E1005	05/10/06	05/10/06	EPA 8270C	
2-Methylnaphthalene	<0.39	0.39	0.094	mg/kg dry	1	"	"	"	"	
Acenaphthene	<0.39	0.39	0.062	mg/kg dry	1	"	"	"	"	
Acenaphthylene	<0.39	0.39	0.040	mg/kg dry	1	"	"	"	"	
Anthracene	<0.39	0.39	0.043	mg/kg dry	1	"	"	"	"	
Benzo (a) anthracene	<0.39	0.39	0.082	mg/kg dry	1	"	"	"	"	
Benzo (a) pyrene	<0.39	0.39	0.050	mg/kg dry	1	"	"	"	"	
Benzo (b) fluoranthene	<0.39	0.39	0.044	mg/kg dry	1	"	"	"	"	
Benzo (g,h,i) perylene	<0.39	0.39	0.060	mg/kg dry	1	"	"	"	"	
Benzo (k) fluoranthene	<0.39	0.39	0.055	mg/kg dry	1	"	"	"	"	
Chrysene	<0.39	0.39	0.085	mg/kg dry	1	"	"	"	"	
Dibenz (a,h) anthracene	<0.39	0.39	0.055	mg/kg dry	1	"	"	"	"	
Fluoranthene	<0.39	0.39	0.082	mg/kg dry	1	"	"	"	"	
Fluorene	<0.39	0.39	0.068	mg/kg dry	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	<0.39	0.39	0.055	mg/kg dry	1	"	"	"	"	
Naphthalene	<0.39	0.39	0.039	mg/kg dry	1	"	"	"	"	
Phenanthrene	<0.39	0.39	0.042	mg/kg dry	1	"	"	"	"	
Pyrene	<0.39	0.39	0.085	mg/kg dry	1	"	"	"	"	
Surrogate: 2-Fluorobiphenyl	63.4			50.8-85.9 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	64.6			49.2-95.3 %		"	"	"	"	
Surrogate: Terphenyl-d14	81.3			61.6-90.8 %		"	"	"	"	

Segment 2 (0601844-02) Soil Received:05/01/06 14:50 Sampled:05/01/06 11:55

2-Chloronaphthalene	<0.38	0.38	0.039	mg/kg dry	1	B6E1005	05/10/06	05/10/06	EPA 8270C	
2-Methylnaphthalene	<0.38	0.38	0.091	mg/kg dry	1	"	"	"	"	
Acenaphthene	<0.38	0.38	0.060	mg/kg dry	1	"	"	"	"	
Acenaphthylene	<0.38	0.38	0.039	mg/kg dry	1	"	"	"	"	
Anthracene	<0.38	0.38	0.042	mg/kg dry	1	"	"	"	"	
Benzo (a) anthracene	<0.38	0.38	0.080	mg/kg dry	1	"	"	"	"	
Benzo (a) pyrene	<0.38	0.38	0.049	mg/kg dry	1	"	"	"	"	
Benzo (b) fluoranthene	<0.38	0.38	0.043	mg/kg dry	1	"	"	"	"	
Benzo (g,h,i) perylene	<0.38	0.38	0.058	mg/kg dry	1	"	"	"	"	

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Technical Services, Inc.

88 Empire Drive
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EarthTech
3033 Campus Drive N, Suite 290
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Project: Hennepin County
Project Number: 89244.03
Project Manager: Mr. Chandler Taylor

Date Reported:
May 11, 2006

PAH 8270C Legend Technical Services, Inc

Analyte	Result	Reporting Limit	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Segment 2 (0601844-02) Soil Received:05/01/06 14:50 Sampled:05/01/06 11:55										
Benzo (k) fluoranthene	<0.38	0.38	0.054	mg/kg dry	1	B6E1005	05/10/06	05/10/06	EPA 8270C	
Chrysene	<0.38	0.38	0.083	mg/kg dry	1	"	"	"	"	
Dibenz (a,h) anthracene	<0.38	0.38	0.054	mg/kg dry	1	"	"	"	"	
Fluoranthene	<0.38	0.38	0.080	mg/kg dry	1	"	"	"	"	
Fluorene	<0.38	0.38	0.066	mg/kg dry	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	<0.38	0.38	0.054	mg/kg dry	1	"	"	"	"	
Naphthalene	<0.38	0.38	0.038	mg/kg dry	1	"	"	"	"	
Phenanthrene	<0.38	0.38	0.041	mg/kg dry	1	"	"	"	"	
Pyrene	<0.38	0.38	0.083	mg/kg dry	1	"	"	"	"	
Surrogate: 2-Fluorobiphenyl	69.6			50.8-85.9 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	69.7			49.2-95.3 %		"	"	"	"	
Surrogate: Terphenyl-d14	84.1			61.6-90.8 %		"	"	"	"	
Segment 3 (0601844-03) Soil Received:05/01/06 14:50 Sampled:05/01/06 12:10										
2-Chloronaphthalene	<0.38	0.38	0.039	mg/kg dry	1	B6E1005	05/10/06	05/10/06	EPA 8270C	
2-Methylnaphthalene	<0.38	0.38	0.091	mg/kg dry	1	"	"	"	"	
Acenaphthene	<0.38	0.38	0.060	mg/kg dry	1	"	"	"	"	
Acenaphthylene	<0.38	0.38	0.039	mg/kg dry	1	"	"	"	"	
Anthracene	<0.38	0.38	0.042	mg/kg dry	1	"	"	"	"	
Benzo (a) anthracene	<0.38	0.38	0.080	mg/kg dry	1	"	"	"	"	
Benzo (a) pyrene	<0.38	0.38	0.049	mg/kg dry	1	"	"	"	"	
Benzo (b) fluoranthene	<0.38	0.38	0.043	mg/kg dry	1	"	"	"	"	
Benzo (g,h,i) perylene	<0.38	0.38	0.058	mg/kg dry	1	"	"	"	"	
Benzo (k) fluoranthene	<0.38	0.38	0.054	mg/kg dry	1	"	"	"	"	
Chrysene	<0.38	0.38	0.083	mg/kg dry	1	"	"	"	"	
Dibenz (a,h) anthracene	<0.38	0.38	0.054	mg/kg dry	1	"	"	"	"	
Fluoranthene	<0.38	0.38	0.080	mg/kg dry	1	"	"	"	"	
Fluorene	<0.38	0.38	0.066	mg/kg dry	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	<0.38	0.38	0.054	mg/kg dry	1	"	"	"	"	
Naphthalene	<0.38	0.38	0.038	mg/kg dry	1	"	"	"	"	
Phenanthrene	<0.38	0.38	0.041	mg/kg dry	1	"	"	"	"	
Pyrene	<0.38	0.38	0.083	mg/kg dry	1	"	"	"	"	

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EarthTech
3033 Campus Drive N, Suite 290
Minneapolis MN, 55441

Project: Hennepin County
Project Number: 89244.03
Project Manager: Mr. Chandler Taylor

Date Reported:
May 11, 2006

PAH 8270C Legend Technical Services, Inc

Analyte	Result	Reporting Limit	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Segment 3 (0601844-03) Soil Received:05/01/06 14:50 Sampled:05/01/06 12:10										
Surrogate: 2-Fluorobiphenyl	63.2			50.8-85.9 %		B6E1005	05/10/06	05/10/06	EPA 8270C	
Surrogate: Nitrobenzene-d5	62.9			49.2-95.3 %		"	"	"	"	
Surrogate: Terphenyl-d14	84.2			61.6-90.8 %		"	"	"	"	
Segment 4 (0601844-04) Soil Received:05/01/06 14:50 Sampled:05/01/06 12:25										
2-Chloronaphthalene	<0.40	0.40	0.041	mg/kg dry	1	B6E1005	05/10/06	05/10/06	EPA 8270C	
2-Methylnaphthalene	<0.40	0.40	0.097	mg/kg dry	1	"	"	"	"	
Acenaphthene	<0.40	0.40	0.064	mg/kg dry	1	"	"	"	"	
Acenaphthylene	<0.40	0.40	0.041	mg/kg dry	1	"	"	"	"	
Anthracene	<0.40	0.40	0.045	mg/kg dry	1	"	"	"	"	
Benzo (a) anthracene	<0.40	0.40	0.085	mg/kg dry	1	"	"	"	"	
Benzo (a) pyrene	<0.40	0.40	0.052	mg/kg dry	1	"	"	"	"	
Benzo (b) fluoranthene	<0.40	0.40	0.046	mg/kg dry	1	"	"	"	"	
Benzo (g,h,i) perylene	<0.40	0.40	0.062	mg/kg dry	1	"	"	"	"	
Benzo (k) fluoranthene	<0.40	0.40	0.057	mg/kg dry	1	"	"	"	"	
Chrysene	<0.40	0.40	0.089	mg/kg dry	1	"	"	"	"	
Dibenz (a,h) anthracene	<0.40	0.40	0.057	mg/kg dry	1	"	"	"	"	
Fluoranthene	<0.40	0.40	0.085	mg/kg dry	1	"	"	"	"	
Fluorene	<0.40	0.40	0.071	mg/kg dry	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	<0.40	0.40	0.057	mg/kg dry	1	"	"	"	"	
Naphthalene	<0.40	0.40	0.040	mg/kg dry	1	"	"	"	"	
Phenanthrene	<0.40	0.40	0.044	mg/kg dry	1	"	"	"	"	
Pyrene	<0.40	0.40	0.089	mg/kg dry	1	"	"	"	"	
Surrogate: 2-Fluorobiphenyl	60.9			50.8-85.9 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	60.3			49.2-95.3 %		"	"	"	"	
Surrogate: Terphenyl-d14	89.3			61.6-90.8 %		"	"	"	"	

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Analyte	Result	Reporting Limit	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Segment 6 (0601844-06) Soil Received:05/01/06 14:50 Sampled:05/01/06 12:50										
2-Chloronaphthalene	<0.39	0.39	0.040	mg/kg dry	1	B6E1005	05/10/06	05/10/06	EPA 8270C	
2-Methylnaphthalene	<0.39	0.39	0.094	mg/kg dry	1	"	"	"	"	
Acenaphthene	<0.39	0.39	0.062	mg/kg dry	1	"	"	"	"	
Acenaphthylene	<0.39	0.39	0.040	mg/kg dry	1	"	"	"	"	
Anthracene	<0.39	0.39	0.044	mg/kg dry	1	"	"	"	"	
Benzo (a) anthracene	<0.39	0.39	0.082	mg/kg dry	1	"	"	"	"	
Benzo (a) pyrene	<0.39	0.39	0.051	mg/kg dry	1	"	"	"	"	
Benzo (b) fluoranthene	<0.39	0.39	0.045	mg/kg dry	1	"	"	"	"	
Benzo (g,h,i) perylene	<0.39	0.39	0.060	mg/kg dry	1	"	"	"	"	
Benzo (k) fluoranthene	<0.39	0.39	0.055	mg/kg dry	1	"	"	"	"	
Chrysene	<0.39	0.39	0.086	mg/kg dry	1	"	"	"	"	
Dibenz (a,h) anthracene	<0.39	0.39	0.055	mg/kg dry	1	"	"	"	"	
Fluoranthene	<0.39	0.39	0.082	mg/kg dry	1	"	"	"	"	
Fluorene	<0.39	0.39	0.068	mg/kg dry	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	<0.39	0.39	0.055	mg/kg dry	1	"	"	"	"	
Naphthalene	<0.39	0.39	0.039	mg/kg dry	1	"	"	"	"	
Phenanthrene	<0.39	0.39	0.042	mg/kg dry	1	"	"	"	"	
Pyrene	<0.39	0.39	0.086	mg/kg dry	1	"	"	"	"	
Surrogate: 2-Fluorobiphenyl	67.2			50.8-85.9 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	68.2			49.2-95.3 %		"	"	"	"	
Surrogate: Terphenyl-d14	89.8			61.6-90.8 %		"	"	"	"	

Segment 7 (0601844-07) Soil Received:05/01/06 14:50 Sampled:05/01/06 13:00										
Analyte	Result	Reporting Limit	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
2-Chloronaphthalene	<0.37	0.37	0.039	mg/kg dry	1	B6E1005	05/10/06	05/10/06	EPA 8270C	
2-Methylnaphthalene	<0.37	0.37	0.091	mg/kg dry	1	"	"	"	"	
Acenaphthene	<0.37	0.37	0.060	mg/kg dry	1	"	"	"	"	
Acenaphthylene	<0.37	0.37	0.039	mg/kg dry	1	"	"	"	"	
Anthracene	<0.37	0.37	0.042	mg/kg dry	1	"	"	"	"	
Benzo (a) anthracene	<0.37	0.37	0.079	mg/kg dry	1	"	"	"	"	
Benzo (a) pyrene	<0.37	0.37	0.049	mg/kg dry	1	"	"	"	"	
Benzo (b) fluoranthene	<0.37	0.37	0.043	mg/kg dry	1	"	"	"	"	
Benzo (g,h,i) perylene	<0.37	0.37	0.058	mg/kg dry	1	"	"	"	"	

Legend Technical Services, Inc

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LEGEND

Technical Services, Inc.

88 Empire Drive
St Paul, MN 55103
651.642.1150

EarthTech
3033 Campus Drive N, Suite 290
Minneapolis MN, 55441

Project: Hennepin County
Project Number: 89244.03
Project Manager: Mr. Chandler Taylor

Date Reported:
May 11, 2006

PAH 8270C Legend Technical Services, Inc

Analyte	Result	Reporting Limit	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Segment 7 (0601844-07) Soil Received:05/01/06 14:50 Sampled:05/01/06 13:00										
Benzo (k) fluoranthene	<0.37	0.37	0.053	mg/kg dry	1	B6E1005	05/10/06	05/10/06	EPA 8270C	
Chrysene	<0.37	0.37	0.083	mg/kg dry	1	"	"	"	"	
Dibenz (a,h) anthracene	<0.37	0.37	0.053	mg/kg dry	1	"	"	"	"	
Fluoranthene	<0.37	0.37	0.079	mg/kg dry	1	"	"	"	"	
Fluorene	<0.37	0.37	0.066	mg/kg dry	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	<0.37	0.37	0.053	mg/kg dry	1	"	"	"	"	
Naphthalene	<0.37	0.37	0.037	mg/kg dry	1	"	"	"	"	
Phenanthrene	<0.37	0.37	0.041	mg/kg dry	1	"	"	"	"	
Pyrene	<0.37	0.37	0.083	mg/kg dry	1	"	"	"	"	
Surrogate: 2-Fluorobiphenyl	72.1			50.8-85.9 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	70.5			49.2-95.3 %		"	"	"	"	
Surrogate: Terphenyl-d14	89.7			61.6-90.8 %		"	"	"	"	
Segment 8 (0601844-08) Soil Received:05/01/06 14:50 Sampled:05/01/06 13:15										
2-Chloronaphthalene	<0.40	0.40	0.042	mg/kg dry	1	B6E1005	05/10/06	05/10/06	EPA 8270C	
2-Methylnaphthalene	<0.40	0.40	0.098	mg/kg dry	1	"	"	"	"	
Acanaphthene	<0.40	0.40	0.065	mg/kg dry	1	"	"	"	"	
Acenaphthylene	<0.40	0.40	0.042	mg/kg dry	1	"	"	"	"	
Anthracene	<0.40	0.40	0.045	mg/kg dry	1	"	"	"	"	
Benzo (a) anthracene	0.78	0.40	0.086	mg/kg dry	1	"	"	"	"	
Benzo (a) pyrene	0.66	0.40	0.053	mg/kg dry	1	"	"	"	"	
Benzo (b) fluoranthene	0.86	0.40	0.047	mg/kg dry	1	"	"	"	"	
Benzo (g,h,i) perylene	<0.40	0.40	0.063	mg/kg dry	1	"	"	"	"	
Benzo (k) fluoranthene	<0.40	0.40	0.058	mg/kg dry	1	"	"	"	"	
Chrysene	0.85	0.40	0.090	mg/kg dry	1	"	"	"	"	
Dibenz (a,h) anthracene	<0.40	0.40	0.058	mg/kg dry	1	"	"	"	"	
Fluoranthene	1.8	0.40	0.086	mg/kg dry	1	"	"	"	"	
Fluorene	<0.40	0.40	0.071	mg/kg dry	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	<0.40	0.40	0.058	mg/kg dry	1	"	"	"	"	
Naphthalene	<0.40	0.40	0.040	mg/kg dry	1	"	"	"	"	
Phenanthrene	1.2	0.40	0.044	mg/kg dry	1	"	"	"	"	
Pyrene	1.5	0.40	0.090	mg/kg dry	1	"	"	"	"	

Legend Technical Services, Inc

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Technical Services, Inc.

88 Empire Drive
St Paul, MN 55103
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EarthTech
3033 Campus Drive N, Suite 290
Minneapolis MN, 55441

Project: Hennepin County
Project Number: 89244.03
Project Manager: Mr. Chandler Taylor

Date Reported:
May 11, 2006

PAH 8270C Legend Technical Services, Inc

Analyte	Result	Reporting Limit	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Segment 8 (0601844-08) Soil Received:05/01/06 14:50 Sampled:05/01/06 13:15										
Surrogate: 2-Fluorobiphenyl	70.4			50.8-85.9 %		B6E1005	05/10/06	05/10/06	EPA 8270C	
Surrogate: Nitrobenzene-d5	68.0			49.2-95.3 %		"	"	"	"	
Surrogate: Terphenyl-d14	86.9			61.6-90.8 %		"	"	"	"	

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Technical Services, Inc.

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St Paul, MN 55103
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EarthTech
3033 Campus Drive N, Suite 290
Minneapolis MN, 55441

Project: Hennepin County
Project Number: 89244.03
Project Manager: Mr. Chandler Taylor

Date Reported:
May 11, 2006

PERCENT SOLIDS Legend Technical Services, Inc

Analyte	Result	Reporting Limit	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Segment 1 (0601844-01) Soil Received:05/01/06 14:50 Sampled:05/01/06 11:45										
% Solids	93			%	1	B6E0304	05/03/06	05/05/06	% calculation	
Segment 2 (0601844-02) Soil Received:05/01/06 14:50 Sampled:05/01/06 11:55										
% Solids	95			%	1	B6E0304	05/03/06	05/05/06	% calculation	
Segment 3 (0601844-03) Soil Received:05/01/06 14:50 Sampled:05/01/06 12:10										
% Solids	94			%	1	B6E0304	05/03/06	05/05/06	% calculation	
Segment 4 (0601844-04) Soil Received:05/01/06 14:50 Sampled:05/01/06 12:25										
% Solids	92			%	1	B6E0304	05/03/06	05/05/06	% calculation	
Segment 5 (0601844-05) Soil Received:05/01/06 14:50 Sampled:05/01/06 12:35										
% Solids	94			%	1	B6E0304	05/03/06	05/05/06	% calculation	
Segment 6 (0601844-06) Soil Received:05/01/06 14:50 Sampled:05/01/06 12:50										
% Solids	94			%	1	B6E0304	05/03/06	05/05/06	% calculation	
Segment 7 (0601844-07) Soil Received:05/01/06 14:50 Sampled:05/01/06 13:00										
% Solids	94			%	1	B6E0304	05/03/06	05/05/06	% calculation	
Segment 8 (0601844-08) Soil Received:05/01/06 14:50 Sampled:05/01/06 13:15										
% Solids	90			%	1	B6E0304	05/03/06	05/05/06	% calculation	

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3033 Campus Drive N, Suite 290
Minneapolis MN, 55441

Project: Hennepin County
Project Number: 89244.03
Project Manager: Mr. Chandler Taylor

Date Reported:
May 11, 2006

SVOC SOIL 8270C Legend Technical Services, Inc

Analyte	Result	Reporting Limit	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Segment 5 (0601844-05) Soil Received:05/01/06 14:50 Sampled:05/01/06 12:35										
1,2,4-Trichlorobenzene	<0.40	0.40	0.058	mg/kg dry	1	B6E1005	05/10/06	05/10/06	EPA 8270C	
1,2-Dichlorobenzene	<0.40	0.40	0.045	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.40	0.40	0.055	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.40	0.40	0.040	mg/kg dry	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.82	0.82	0.23	mg/kg dry	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.82	0.82	0.098	mg/kg dry	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.82	0.82	0.17	mg/kg dry	1	"	"	"	"	
2,4-Dichlorophenol	<0.82	0.82	0.15	mg/kg dry	1	"	"	"	"	
2,4-Dimethylphenol	<0.82	0.82	0.12	mg/kg dry	1	"	"	"	"	
2,4-Dinitrophenol	<0.82	0.82	0.092	mg/kg dry	1	"	"	"	"	
2,4-Dinitrotoluene	<0.40	0.40	0.048	mg/kg dry	1	"	"	"	"	
2,6-Dichlorophenol	<0.82	0.82	0.12	mg/kg dry	1	"	"	"	"	
2,6-Dinitrotoluene	<0.40	0.40	0.064	mg/kg dry	1	"	"	"	"	
2-Chloronaphthalene	<0.40	0.40	0.042	mg/kg dry	1	"	"	"	"	
2-Chlorophenol	<0.82	0.82	0.12	mg/kg dry	1	"	"	"	"	
2-Methylnaphthalene	<0.40	0.40	0.098	mg/kg dry	1	"	"	"	"	
2-Methylphenol	<0.82	0.82	0.082	mg/kg dry	1	"	"	"	"	
2-Nitroaniline	<0.40	0.40	0.065	mg/kg dry	1	"	"	"	"	
2-Nitrophenol	<0.82	0.82	0.12	mg/kg dry	1	"	"	"	"	
3,3'-Dichlorobenzidine	<2.0	2.0	0.56	mg/kg dry	1	"	"	"	"	
3-Nitroaniline	<0.40	0.40	0.061	mg/kg dry	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.82	0.82	0.12	mg/kg dry	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.40	0.40	0.044	mg/kg dry	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.82	0.82	0.13	mg/kg dry	1	"	"	"	"	
4-Chloroaniline	<0.82	0.82	0.060	mg/kg dry	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.40	0.40	0.070	mg/kg dry	1	"	"	"	"	
4-Methylphenol	<0.40	0.40	0.071	mg/kg dry	1	"	"	"	"	
4-Nitroaniline	<0.40	0.40	0.075	mg/kg dry	1	"	"	"	"	
4-Nitrophenol	<0.82	0.82	0.20	mg/kg dry	1	"	"	"	"	
Acenaphthene	<0.40	0.40	0.065	mg/kg dry	1	"	"	"	"	
Acenaphthylene	<0.40	0.40	0.042	mg/kg dry	1	"	"	"	"	
Aniline	<0.82	0.82	0.070	mg/kg dry	1	"	"	"	"	

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Technical Services, Inc.

88 Empire Drive
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EarthTech
3033 Campus Drive N, Suite 290
Minneapolis MN, 55441

Project: Hennepin County
Project Number: 89244.03
Project Manager: Mr. Chandler Taylor

Date Reported:
May 11, 2006

SVOC SOIL 8270C Legend Technical Services, Inc

Analyte	Result	Reporting Limit	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Segment 5 (0601844-05) Soil Received:05/01/06 14:50 Sampled:05/01/06 12:35										
Anthracene	<0.40	0.40	0.045	mg/kg dry	1	B6E1005	05/10/06	05/10/06	EPA 8270C	
Azobenzene	<0.40	0.40	0.044	mg/kg dry	1	"	"	"	"	
Benzidine	<2.2	2.2	0.64	mg/kg dry	1	"	"	"	"	
Benzo (a) anthracene	<0.40	0.40	0.086	mg/kg dry	1	"	"	"	"	
Benzo (a) pyrene	<0.40	0.40	0.053	mg/kg dry	1	"	"	"	"	
Benzo (b) fluoranthene	<0.40	0.40	0.047	mg/kg dry	1	"	"	"	"	
Benzo (g,h,i) perylene	<0.40	0.40	0.062	mg/kg dry	1	"	"	"	"	
Benzo (k) fluoranthene	<0.40	0.40	0.058	mg/kg dry	1	"	"	"	"	
Benzoic acid	<0.40	0.40	0.042	mg/kg dry	1	"	"	"	"	
Benzyl alcohol	<0.82	0.82	0.15	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.40	0.40	0.061	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.40	0.40	0.062	mg/kg dry	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.40	0.40	0.066	mg/kg dry	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.82	0.82	0.15	mg/kg dry	1	"	"	"	"	
Butyl benzyl phthalate	<0.82	0.82	0.10	mg/kg dry	1	"	"	"	"	
Carbazole	<0.40	0.40	0.054	mg/kg dry	1	"	"	"	"	
Chrysene	<0.40	0.40	0.089	mg/kg dry	1	"	"	"	"	
Dibenz (a,h) anthracene	<0.40	0.40	0.058	mg/kg dry	1	"	"	"	"	
Dibenzofuran	<0.40	0.40	0.067	mg/kg dry	1	"	"	"	"	
Diethyl phthalate	<0.40	0.40	0.084	mg/kg dry	1	"	"	"	"	
Dimethyl phthalate	<0.40	0.40	0.073	mg/kg dry	1	"	"	"	"	
Di-n-butyl phthalate	<0.40	0.40	0.095	mg/kg dry	1	"	"	"	"	
Di-n-octyl phthalate	<0.40	0.40	0.10	mg/kg dry	1	"	"	"	"	
Fluoranthene	<0.40	0.40	0.086	mg/kg dry	1	"	"	"	"	
Fluorene	<0.40	0.40	0.071	mg/kg dry	1	"	"	"	"	
Hexachlorobenzene	<0.40	0.40	0.042	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.40	0.40	0.069	mg/kg dry	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.40	0.40	0.058	mg/kg dry	1	"	"	"	"	
Hexachloroethane	<0.40	0.40	0.053	mg/kg dry	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	<0.40	0.40	0.058	mg/kg dry	1	"	"	"	"	
Isophorone	<0.40	0.40	0.060	mg/kg dry	1	"	"	"	"	
Naphthalene	<0.40	0.40	0.040	mg/kg dry	1	"	"	"	"	

Legend Technical Services, Inc

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88 Empire Drive
 St Paul, MN 55103
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EarthTech 3033 Campus Drive N, Suite 290 Minneapolis MN, 55441	Project: Hennepin County Project Number: 89244.03 Project Manager: Mr. Chandler Taylor	Date Reported: May 11, 2006
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SVOC SOIL 8270C
Legend Technical Services, Inc

Analyte	Result	Reporting Limit	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Segment 5 (0601844-05) Soil Received:05/01/06 14:50 Sampled:05/01/06 12:35										
Nitrobenzene	<0.40	0.40	0.067	mg/kg dry	1	B6E1005	05/10/06	05/10/06	EPA 8270C	
N-Nitrosodimethylamine	<0.40	0.40	0.059	mg/kg dry	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.40	0.40	0.055	mg/kg dry	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.40	0.40	0.078	mg/kg dry	1	"	"	"	"	
Pentachlorophenol	<0.82	0.82	0.16	mg/kg dry	1	"	"	"	"	
Phenanthrene	<0.40	0.40	0.044	mg/kg dry	1	"	"	"	"	
Phenol	<0.82	0.82	0.21	mg/kg dry	1	"	"	"	"	
Pyrene	<0.40	0.40	0.089	mg/kg dry	1	"	"	"	"	
Surrogate: 2,4,6-Tribromophenol	87.6			54-102 %		"	"	"	"	
Surrogate: 2-Fluorobiphenyl	74.9			50.8-85.9 %		"	"	"	"	
Surrogate: 2-Fluorophenol	75.9			43-78 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	74.1			49.2-95.3 %		"	"	"	"	
Surrogate: Phenol-d5	76.0			39.5-83.7 %		"	"	"	"	
Surrogate: Terphenyl-d14	84.8			61.6-90.8 %		"	"	"	"	

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Technical Services, Inc.

88 Empire Drive
St Paul, MN 55103
651.642.1150

EarthTech
3033 Campus Drive N, Suite 290
Minneapolis MN, 55441

Project: Hennepin County
Project Number: 89244.03
Project Manager: Mr. Chandler Taylor

Date Reported:
May 11, 2006

TOTAL METALS ANALYSIS - Quality Control Legend Technical Services, Inc

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
Batch B6E0508 - EPA 7471A										
Blank (B6E0508-BLK1) Prepared & Analyzed: 05/05/06										
Mercury	<0.10	0.10	mg/kg wet							
LCS (B6E0508-BS1) Prepared & Analyzed: 05/05/06										
Mercury	0.190	0.10	mg/kg wet	0.200		95.0	80-120			
LCS Dup (B6E0508-BSD1) Prepared & Analyzed: 05/05/06										
Mercury	0.190	0.10	mg/kg wet	0.200		95.0	80-120	0.00	20	
Matrix Spike (B6E0508-MS1) Source: 0601907-01 Prepared & Analyzed: 05/05/06										
Mercury	0.285	0.12	mg/kg dry	0.235	<0.12	93.2	75-125			
Matrix Spike Dup (B6E0508-MSD1) Source: 0601907-01 Prepared & Analyzed: 05/05/06										
Mercury	0.273	0.12	mg/kg dry	0.235	<0.12	88.1	75-125	4.30	20	
Batch B6E0511 - EPA 3050B										
Blank (B6E0511-BLK1) Prepared: 05/05/06 Analyzed: 05/08/06										
Antimony	<5.0	5.0	mg/kg wet							
Arsenic	<5.0	5.0	mg/kg wet							
Beryllium	<2.5	2.5	mg/kg wet							
Cadmium	<2.5	2.5	mg/kg wet							
Chromium	<5.0	5.0	mg/kg wet							
Copper	<10	10	mg/kg wet							
Lead	<10	10	mg/kg wet							
Nickel	<5.0	5.0	mg/kg wet							
Selenium	<10	10	mg/kg wet							
Silver	<2.5	2.5	mg/kg wet							
Thallium	<20	20	mg/kg wet							
Zinc	<10	10	mg/kg wet							

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Project Number: 89244.03
Project Manager: Mr. Chandler Taylor

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May 11, 2006

TOTAL METALS ANALYSIS - Quality Control Legend Technical Services, Inc

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
Batch B6E0511 - EPA 3050B										
LCS (B6E0511-BS1)					Prepared: 05/05/06 Analyzed: 05/08/06					
Antimony	40.3	0.50	mg/kg wet	40.0		101	80-120			
Arsenic	39.5	0.50	mg/kg wet	40.0		98.8	80-120			
Beryllium	4.03	0.25	mg/kg wet	4.00		101	80-120			
Cadmium	41.2	0.25	mg/kg wet	40.0		103	80-120			
Chromium	40.1	0.50	mg/kg wet	40.0		100	80-120			
Copper	40.0	1.0	mg/kg wet	40.0		100	80-120			
Lead	40.4	1.0	mg/kg wet	40.0		101	80-120			
Nickel	40.4	0.50	mg/kg wet	40.0		101	80-120			
Selenium	39.2	1.0	mg/kg wet	40.0		98.0	80-120			
Silver	3.93	0.25	mg/kg wet	4.00		98.2	80-120			
Thallium	41.5	2.0	mg/kg wet	40.0		104	80-120			
Zinc	41.1	1.0	mg/kg wet	40.0		103	80-120			

LCS Dup (B6E0511-BSD1)

Prepared: 05/05/06 Analyzed: 05/08/06

Antimony	40.6	0.50	mg/kg wet	40.0		102	80-120	0.742	20	
Arsenic	39.6	0.50	mg/kg wet	40.0		99.0	80-120	0.253	20	
Beryllium	4.03	0.25	mg/kg wet	4.00		101	80-120	0.00	20	
Cadmium	41.2	0.25	mg/kg wet	40.0		103	80-120	0.00	20	
Chromium	40.0	0.50	mg/kg wet	40.0		100	80-120	0.250	20	
Copper	40.0	1.0	mg/kg wet	40.0		100	80-120	0.00	20	
Lead	40.4	1.0	mg/kg wet	40.0		101	80-120	0.00	20	
Nickel	40.3	0.50	mg/kg wet	40.0		101	80-120	0.248	20	
Selenium	39.4	1.0	mg/kg wet	40.0		98.5	80-120	0.509	20	
Silver	3.92	0.25	mg/kg wet	4.00		98.0	80-120	0.255	20	
Thallium	41.9	2.0	mg/kg wet	40.0		105	80-120	0.959	20	

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88 Empire Drive
St Paul, MN 55103
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EarthTech
3033 Campus Drive N, Suite 290
Minneapolis MN, 55441

Project: Hennepin County
Project Number: 89244.03
Project Manager: Mr. Chandler Taylor

Date Reported:
May 11, 2006

TOTAL METALS ANALYSIS - Quality Control Legend Technical Services, Inc

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
Batch B6E0511 - EPA 3050B										
LCS Dup (B6E0511-BSD1) Prepared: 05/05/06 Analyzed: 05/08/06										
Zinc	41.4	1.0	mg/kg wet	40.0		104	80-120	0.727	20	
Matrix Spike (B6E0511-MS1) Source: 0601844-01 Prepared: 05/05/06 Analyzed: 05/08/06										
Antimony	42.2	0.54	mg/kg dry	43.0	0.545	96.9	75-125			
Arsenic	45.8	0.54	mg/kg dry	43.0	2.34	101	75-125			
Beryllium	4.49	0.27	mg/kg dry	4.30	<0.27	99.3	75-125			
Cadmium	42.2	0.27	mg/kg dry	43.0	<0.27	97.7	75-125			
Chromium	50.2	0.54	mg/kg dry	43.0	11.4	90.2	75-125			
Copper	51.0	1.1	mg/kg dry	43.0	7.85	100	75-125			
Lead	47.3	1.1	mg/kg dry	43.0	6.45	95.0	75-125			
Nickel	51.9	0.54	mg/kg dry	43.0	11.8	93.3	75-125			
Selenium	42.4	1.1	mg/kg dry	43.0	<1.1	98.1	75-125			
Silver	4.29	0.27	mg/kg dry	4.30	<0.27	99.8	75-125			
Thallium	41.7	2.2	mg/kg dry	43.0	<2.2	94.9	75-125			
Zinc	126	1.1	mg/kg dry	43.0	78.1	111	75-125			
Matrix Spike Dup (B6E0511-MSD1) Source: 0601844-01 Prepared: 05/05/06 Analyzed: 05/08/06										
Antimony	42.0	0.54	mg/kg dry	43.0	0.545	96.4	75-125	0.475	20	
Arsenic	45.6	0.54	mg/kg dry	43.0	2.34	101	75-125	0.438	20	
Beryllium	4.43	0.27	mg/kg dry	4.30	<0.27	97.9	75-125	1.35	20	
Cadmium	41.4	0.27	mg/kg dry	43.0	<0.27	95.8	75-125	1.91	20	
Chromium	48.9	0.54	mg/kg dry	43.0	11.4	87.2	75-125	2.62	20	
Copper	48.9	1.1	mg/kg dry	43.0	7.85	95.5	75-125	4.20	20	
Lead	48.0	1.1	mg/kg dry	43.0	6.45	96.6	75-125	1.47	20	
Nickel	50.8	0.54	mg/kg dry	43.0	11.8	90.7	75-125	2.14	20	
Selenium	42.3	1.1	mg/kg dry	43.0	<1.1	97.8	75-125	0.236	20	

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Project Manager: Mr. Chandler Taylor

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TOTAL METALS ANALYSIS - Quality Control Legend Technical Services, Inc

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
Batch B6E0511 - EPA 3050B										
Matrix Spike Dup (B6E0511-MSD1)										
Source: 0601844-01 Prepared: 05/05/06 Analyzed: 05/08/06										
Silver	4.19	0.27	mg/kg dry	4.30	<0.27	97.4	75-125	2.36	20	
Thallium	41.2	2.2	mg/kg dry	43.0	<2.2	93.7	75-125	1.21	20	
Zinc	136	1.1	mg/kg dry	43.0	78.1	135	75-125	7.63	20	QM-07

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Project Number: 89244.03
Project Manager: Mr. Chandler Taylor

Date Reported:
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PAH 8270C - Quality Control Legend Technical Services, Inc

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
Batch B6E1005 - EPA 3545 ASE Extraction										
Prepared & Analyzed: 05/10/06										
Blank (B6E1005-BLK1)										
2-Chloronaphthalene	<0.33	0.33	mg/kg wet							
2-Methylnaphthalene	<0.33	0.33	mg/kg wet							
Acenaphthene	<0.33	0.33	mg/kg wet							
Acenaphthylene	<0.33	0.33	mg/kg wet							
Anthracene	<0.33	0.33	mg/kg wet							
Benzo (a) anthracene	<0.33	0.33	mg/kg wet							
Benzo (a) pyrene	<0.33	0.33	mg/kg wet							
Benzo (b) fluoranthene	<0.33	0.33	mg/kg wet							
Benzo (g,h,i) perylene	<0.33	0.33	mg/kg wet							
Benzo (k) fluoranthene	<0.33	0.33	mg/kg wet							
Chrysene	<0.33	0.33	mg/kg wet							
Dibenz (a,h) anthracene	<0.33	0.33	mg/kg wet							
Fluoranthene	<0.33	0.33	mg/kg wet							
Fluorene	<0.33	0.33	mg/kg wet							
Indeno (1,2,3-cd) pyrene	<0.33	0.33	mg/kg wet							
Naphthalene	<0.33	0.33	mg/kg wet							
Phenanthrene	<0.33	0.33	mg/kg wet							
Pyrene	<0.33	0.33	mg/kg wet							
Surrogate: 2-Fluorobiphenyl	4.53		mg/kg wet	6.67		67.9	50.8-85.9			
Surrogate: Nitrobenzene-d5	4.47		mg/kg wet	6.67		67.0	49.2-95.3			
Surrogate: Terphenyl-d14	5.57		mg/kg wet	6.67		83.5	61.6-90.8			

Prepared & Analyzed: 05/10/06										
LCS (B6E1005-BS1)										
Acenaphthene	4.10	0.33	mg/kg wet	6.67		61.5	40.1-97.2			
Pyrene	3.86	0.33	mg/kg wet	6.67		57.9	30-98.4			
Surrogate: 2-Fluorobiphenyl	3.82		mg/kg wet	6.67		57.3	50.8-85.9			

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Project: Hennepin County
Project Number: 89244.03
Project Manager: Mr. Chandler Taylor

Date Reported:
May 11, 2006

PAH 8270C - Quality Control Legend Technical Services, Inc

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	Limit	%RPD	Limit	Notes
Batch B6E1005 - EPA 3545 ASE Extraction										
LCS (B6E1005-BS1)										
Prepared & Analyzed: 05/10/06										
Surrogate: Nitrobenzene-d5	3.67		mg/kg wet	6.67		55.0	49.2-95.3			
Surrogate: Terphenyl-d14	4.73		mg/kg wet	6.67		70.9	61.6-90.8			
Matrix Spike (B6E1005-MS1)										
Source: 0601844-03 Prepared & Analyzed: 05/10/06										
Acenaphthene	5.26	0.39	mg/kg dry	7.92	<0.39	66.4	50.5-89.7			
Pyrene	5.27	0.39	mg/kg dry	7.92	<0.39	66.5	32.5-81.2			
Surrogate: 2-Fluorobiphenyl	5.22		mg/kg dry	7.92		65.9	50.8-85.9			
Surrogate: Nitrobenzene-d5	5.15		mg/kg dry	7.92		65.0	49.2-95.3			
Surrogate: Terphenyl-d14	7.03		mg/kg dry	7.92		88.8	61.6-90.8			
Matrix Spike Dup (B6E1005-MSD1)										
Source: 0601844-03 Prepared & Analyzed: 05/10/06										
Acenaphthene	5.03	0.40	mg/kg dry	8.07	<0.40	62.3	50.5-89.7	4.47	38.6	
Pyrene	4.81	0.40	mg/kg dry	8.07	<0.40	59.6	32.5-81.2	9.13	29.1	
Surrogate: 2-Fluorobiphenyl	4.98		mg/kg dry	8.07		61.7	50.8-85.9			
Surrogate: Nitrobenzene-d5	4.81		mg/kg dry	8.07		59.6	49.2-95.3			
Surrogate: Terphenyl-d14	6.62		mg/kg dry	8.07		82.0	61.6-90.8			

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PERCENT SOLIDS - Quality Control Legend Technical Services, Inc

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC Limits	%RPD Limit	Notes
Batch B6E0304 - General Preparation								
Duplicate (B6E0304-DUP1)	Source: 0601834-10		Prepared: 05/03/06 Analyzed: 05/05/06					
% Solids	93.0		%		94.0		1.07 20	
Duplicate (B6E0304-DUP2)	Source: 0601844-03		Prepared: 05/03/06 Analyzed: 05/05/06					
% Solids	94.0		%		94.0		0.00 20	
Duplicate (B6E0304-DUP3)	Source: 0601875-05		Prepared: 05/03/06 Analyzed: 05/05/06					
% Solids	91.0		%		92.0		1.09 20	
Duplicate (B6E0304-DUP4)	Source: 0601875-07		Prepared: 05/03/06 Analyzed: 05/05/06					
% Solids	91.0		%		92.0		1.09 20	

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SVOC SOIL 8270C - Quality Control
Legend Technical Services, Inc

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B6E1005 - EPA 3545 ASE Extraction

Prepared & Analyzed: 05/10/06

Blank (B6E1005-BLK1)

1,2,4-Trichlorobenzene	<0.33	0.33	mg/kg wet							
1,2-Dichlorobenzene	<0.33	0.33	mg/kg wet							
1,3-Dichlorobenzene	<0.33	0.33	mg/kg wet							
1,4-Dichlorobenzene	<0.33	0.33	mg/kg wet							
2,3,4,6-Tetrachlorophenol	<0.67	0.67	mg/kg wet							
2,4,5-Trichlorophenol	<0.67	0.67	mg/kg wet							
2,4,6-Trichlorophenol	<0.67	0.67	mg/kg wet							
2,4-Dichlorophenol	<0.67	0.67	mg/kg wet							
2,4-Dimethylphenol	<0.67	0.67	mg/kg wet							
2,4-Dinitrophenol	<0.67	0.67	mg/kg wet							
2,4-Dinitrotoluene	<0.33	0.33	mg/kg wet							
2,6-Dichlorophenol	<0.67	0.67	mg/kg wet							
2,6-Dinitrotoluene	<0.33	0.33	mg/kg wet							
2-Chloronaphthalene	<0.33	0.33	mg/kg wet							
2-Chlorophenol	<0.67	0.67	mg/kg wet							
2-Methylnaphthalene	<0.33	0.33	mg/kg wet							
2-Methylphenol	<0.67	0.67	mg/kg wet							
2-Nitroaniline	<0.33	0.33	mg/kg wet							
2-Nitrophenol	<0.67	0.67	mg/kg wet							
3,3'-Dichlorobenzidine	<1.6	1.6	mg/kg wet							
3-Nitroaniline	<0.33	0.33	mg/kg wet							
4,6-Dinitro-2-methylphenol	<0.67	0.67	mg/kg wet							
4-Bromophenyl phenyl ether	<0.33	0.33	mg/kg wet							
4-Chloro-3-methylphenol	<0.67	0.67	mg/kg wet							

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Project Number: 89244.03
Project Manager: Mr. Chandler Taylor

Date Reported:
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SVOC SOIL 8270C - Quality Control Legend Technical Services, Inc

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
Batch B6E1005 - EPA 3545 ASE Extraction										
Blank (B6E1005-BLK1) Prepared & Analyzed: 05/10/06										
4-Chloroaniline	<0.67	0.67	mg/kg wet							
4-Chlorophenyl phenyl ether	<0.33	0.33	mg/kg wet							
4-Methylphenol	<0.33	0.33	mg/kg wet							
4-Nitroaniline	<0.33	0.33	mg/kg wet							
4-Nitrophenol	<0.67	0.67	mg/kg wet							
Acenaphthene	<0.33	0.33	mg/kg wet							
Acenaphthylene	<0.33	0.33	mg/kg wet							
Aniline	<0.67	0.67	mg/kg wet							
Anthracene	<0.33	0.33	mg/kg wet							
Azobenzene	<0.33	0.33	mg/kg wet							
Benzidine	<1.8	1.8	mg/kg wet							
Benzo (a) anthracene	<0.33	0.33	mg/kg wet							
Benzo (a) pyrene	<0.33	0.33	mg/kg wet							
Benzo (b) fluoranthene	<0.33	0.33	mg/kg wet							
Benzo (g,h,i) perylene	<0.33	0.33	mg/kg wet							
Benzo (k) fluoranthene	<0.33	0.33	mg/kg wet							
Benzoic acid	<0.33	0.33	mg/kg wet							
Benzyl alcohol	<0.67	0.67	mg/kg wet							
Bis(2-chloroethoxy)methane	<0.33	0.33	mg/kg wet							
Bis(2-chloroethyl)ether	<0.33	0.33	mg/kg wet							
Bis(2-chloroisopropyl)ether	<0.33	0.33	mg/kg wet							
Bis(2-ethylhexyl)phthalate	<0.67	0.67	mg/kg wet							
Butyl benzyl phthalate	<0.67	0.67	mg/kg wet							
Carbazole	<0.33	0.33	mg/kg wet							

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SVOC SOIL 8270C - Quality Control
Legend Technical Services, Inc

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B6E1005 - EPA 3545 ASE Extraction

Prepared & Analyzed: 05/10/06

Blank (B6E1005-BLK1)

Chrysene	<0.33	0.33	mg/kg wet							
Dibenz (a,h) anthracene	<0.33	0.33	mg/kg wet							
Dibenzofuran	<0.33	0.33	mg/kg wet							
Diethyl phthalate	<0.33	0.33	mg/kg wet							
Dimethyl phthalate	<0.33	0.33	mg/kg wet							
Di-n-butyl phthalate	<0.33	0.33	mg/kg wet							
Di-n-octyl phthalate	<0.33	0.33	mg/kg wet							
Fluoranthene	<0.33	0.33	mg/kg wet							
Fluorene	<0.33	0.33	mg/kg wet							
Hexachlorobenzene	<0.33	0.33	mg/kg wet							
Hexachlorobutadiene	<0.33	0.33	mg/kg wet							
Hexachlorocyclopentadiene	<0.33	0.33	mg/kg wet							
Hexachloroethane	<0.33	0.33	mg/kg wet							
Indeno (1,2,3-cd) pyrene	<0.33	0.33	mg/kg wet							
Isophorone	<0.33	0.33	mg/kg wet							
Naphthalene	<0.33	0.33	mg/kg wet							
Nitrobenzene	<0.33	0.33	mg/kg wet							
N-Nitrosodimethylamine	<0.33	0.33	mg/kg wet							
N-Nitrosodi-n-propylamine	<0.33	0.33	mg/kg wet							
N-Nitrosodiphenylamine	<0.33	0.33	mg/kg wet							
Pentachlorophenol	<0.67	0.67	mg/kg wet							
Phenanthrene	<0.33	0.33	mg/kg wet							
Phenol	<0.67	0.67	mg/kg wet							
Pyrene	<0.33	0.33	mg/kg wet							

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SVOC SOIL 8270C - Quality Control Legend Technical Services, Inc

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
Batch B6E1005 - EPA 3545 ASE Extraction										
Blank (B6E1005-BLK1)										
Prepared & Analyzed: 05/10/06										
Surrogate: 2,4,6-Tribromophenol	5.15		mg/kg wet	6.67		77.2	54-102			
Surrogate: 2-Fluorobiphenyl	4.53		mg/kg wet	6.67		67.9	50.8-85.9			
Surrogate: 2-Fluorophenol	4.51		mg/kg wet	6.67		67.6	43-78			
Surrogate: Nitrobenzene-d5	4.47		mg/kg wet	6.67		67.0	49.2-95.3			
Surrogate: Phenol-d5	4.58		mg/kg wet	6.67		68.7	39.5-83.7			
Surrogate: Terphenyl-dl4	5.57		mg/kg wet	6.67		83.5	61.6-90.8			
LCS (B6E1005-BS1)										
Prepared & Analyzed: 05/10/06										
1,2,4-Trichlorobenzene	3.75	0.33	mg/kg wet	6.67		56.2	45.2-89.3			
1,4-Dichlorobenzene	3.38	0.33	mg/kg wet	6.67		50.7	40.7-83.2			
2,4-Dinitrotoluene	4.03	0.33	mg/kg wet	6.67		60.4	40.3-94.7			
2-Chlorophenol	4.17	0.67	mg/kg wet	6.67		62.5	40.7-90.6			
4-Chloro-3-methylphenol	4.41	0.67	mg/kg wet	6.67		66.1	41.2-97.3			
4-Nitrophenol	4.84	0.67	mg/kg wet	6.67		72.6	45.3-113			
Acenaphthene	4.10	0.33	mg/kg wet	6.67		61.5	40.1-97.2			
N-Nitrosodi-n-propylamine	4.25	0.33	mg/kg wet	6.67		63.7	47.6-104			
Pentachlorophenol	4.08	0.67	mg/kg wet	6.67		61.2	38.6-95.6			
Phenol	4.33	0.67	mg/kg wet	6.67		64.9	37.2-91.4			
Pyrene	3.86	0.33	mg/kg wet	6.67		57.9	30-98.4			
Surrogate: 2,4,6-Tribromophenol	4.19		mg/kg wet	6.67		62.8	54-102			
Surrogate: 2-Fluorobiphenyl	3.82		mg/kg wet	6.67		57.3	50.8-85.9			
Surrogate: 2-Fluorophenol	3.59		mg/kg wet	6.67		53.8	43-78			
Surrogate: Nitrobenzene-d5	3.67		mg/kg wet	6.67		55.0	49.2-95.3			
Surrogate: Phenol-d5	3.79		mg/kg wet	6.67		56.8	39.5-83.7			
Surrogate: Terphenyl-dl4	4.73		mg/kg wet	6.67		70.9	61.6-90.8			
Matrix Spike (B6E1005-MS1)										
Source: 0601844-03 Prepared & Analyzed: 05/10/06										
1,2,4-Trichlorobenzene	4.84	0.39	mg/kg dry	7.92	<0.39	61.1	56.8-82.5			

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Project: Hennepin County
Project Number: 89244.03
Project Manager: Mr. Chandler Taylor

Date Reported:
May 11, 2006

SVOC SOIL 8270C - Quality Control Legend Technical Services, Inc

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
Batch B6E1005 - EPA 3545 ASE Extraction										
Matrix Spike (B6E1005-MS1)										
Source: 0601844-03 Prepared & Analyzed: 05/10/06										
1,4-Dichlorobenzene	4.62	0.39	mg/kg dry	7.92	<0.39	58.3	47.3-75.5			
2,4-Dinitrotoluene	5.49	0.39	mg/kg dry	7.92	<0.39	69.3	47.5-94.8			
2-Chlorophenol	5.44	0.80	mg/kg dry	7.92	<0.80	68.7	47.7-86.9			
4-Chloro-3-methylphenol	5.81	0.80	mg/kg dry	7.92	<0.80	73.4	56.2-100			
4-Nitrophenol	6.89	0.80	mg/kg dry	7.92	<0.80	87.0	63.9-113			
Acenaphthene	5.26	0.39	mg/kg dry	7.92	<0.39	66.4	50.5-89.7			
N-Nitrosodi-n-propylamine	5.38	0.39	mg/kg dry	7.92	<0.39	67.9	48.2-100			
Pentachlorophenol	6.22	0.80	mg/kg dry	7.92	<0.80	78.5	49.1-97			
Phenol	5.53	0.80	mg/kg dry	7.92	<0.80	69.8	43.4-92.3			
Pyrene	5.27	0.39	mg/kg dry	7.92	<0.39	66.5	32.5-81.2			
Surrogate: 2,4,6-Tribromophenol	6.81		mg/kg dry	7.92		86.0	54-102			
Surrogate: 2-Fluorobiphenyl	5.22		mg/kg dry	7.92		65.9	50.8-85.9			
Surrogate: 2-Fluorophenol	5.24		mg/kg dry	7.92		66.2	43-78			
Surrogate: Nitrobenzene-d5	5.15		mg/kg dry	7.92		65.0	49.2-95.3			
Surrogate: Phenol-d5	5.35		mg/kg dry	7.92		67.6	39.5-83.7			
Surrogate: Terphenyl-d14	7.03		mg/kg dry	7.92		88.8	61.6-90.8			

Matrix Spike Dup (B6E1005-MSD1)										
Source: 0601844-03 Prepared & Analyzed: 05/10/06										
1,2,4-Trichlorobenzene	4.51	0.40	mg/kg dry	8.07	<0.40	55.9	56.8-82.5	7.06	46	QM-07
1,4-Dichlorobenzene	4.07	0.40	mg/kg dry	8.07	<0.40	50.4	47.3-75.5	12.7	57.2	
2,4-Dinitrotoluene	4.65	0.40	mg/kg dry	8.07	<0.40	57.6	47.5-94.8	16.6	34.1	
2-Chlorophenol	5.09	0.81	mg/kg dry	8.07	<0.81	63.1	47.7-86.9	6.65	47.1	
4-Chloro-3-methylphenol	5.52	0.81	mg/kg dry	8.07	<0.81	68.4	56.2-100	5.12	35.9	
4-Nitrophenol	5.84	0.81	mg/kg dry	8.07	<0.81	72.4	63.9-113	16.5	34.9	
Acenaphthene	5.03	0.40	mg/kg dry	8.07	<0.40	62.3	50.5-89.7	4.47	38.6	
N-Nitrosodi-n-propylamine	5.16	0.40	mg/kg dry	8.07	<0.40	63.9	48.2-100	4.17	47.6	

Legend Technical Services, Inc

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LEGEND

Technical Services, Inc.

88 Empire Drive
St Paul, MN 55103
651.642.1150

EarthTech
3033 Campus Drive N, Suite 290
Minneapolis MN, 55441

Project: Hennepin County
Project Number: 89244.03
Project Manager: Mr. Chandler Taylor

Date Reported:
May 11, 2006

SVOC SOIL 8270C - Quality Control Legend Technical Services, Inc

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC Limits	%RPD Limit	Notes
Batch B6E1005 - EPA 3545 ASE Extraction								
Matrix Spike Dup (B6E1005-MSD1)								
Source: 0601844-03 Prepared & Analyzed: 05/10/06								
Pentachlorophenol	5.43	0.81	mg/kg dry	8.07	<0.81	67.3 49.1-97	13.6 36.6	
Phenol	5.31	0.81	mg/kg dry	8.07	<0.81	65.8 43.4-92.3	4.06 48.9	
Pyrene	4.81	0.40	mg/kg dry	8.07	<0.40	59.6 32.5-81.2	9.13 29.1	
Surrogate: 2,4,6-Tribromophenol	5.83		mg/kg dry	8.07		72.2 54-102		
Surrogate: 2-Fluorobiphenyl	4.98		mg/kg dry	8.07		61.7 50.8-85.9		
Surrogate: 2-Fluorophenol	4.79		mg/kg dry	8.07		59.4 43-78		
Surrogate: Nitrobenzene-d5	4.81		mg/kg dry	8.07		59.6 49.2-95.3		
Surrogate: Phenol-d5	5.09		mg/kg dry	8.07		63.1 39.5-83.7		
Surrogate: Terphenyl-d14	6.62		mg/kg dry	8.07		82.0 61.6-90.8		

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Technical Services, Inc.

88 Empire Drive
St Paul, MN 55103
651.642.1150

EarthTech

3033 Campus Drive N, Suite 290
Minneapolis MN, 55441

Project: Hennepin County

Project Number: 89244.03

Project Manager: Mr. Chandler Taylor

Date Reported:

May 11, 2006

Notes and Definitions

QM-07 The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.

< Less than value listed

dry Sample results reported on a dry weight basis

RPD Relative Percent Difference

NA Not applicable. The %RPD is not calculated from values less than the reporting limit.

LEGEND TECHNICAL SERVICES, INC.

88 Empire Drive, St. Paul, MN 55103 - Telephone: 651-642-1150, Fax: 651-642-1239

CHAIN-OF-CUSTODY RECORD

Client Name: <u>EARTH TECH</u> Address: <u>3033 CAMPUS DR</u> <u>SUITE 290</u> <u>MPLS., MN 55441</u> Attn: <u>CHANDLER TRYLOR</u>		Bill To: EARTH TECH <u>HENNEPIN CO.</u> Address: (SUITE) # PO #:		LEGEND Project #: <u>0601844</u>			Analysis						
Phone: <u>763 551-1001</u>		Fax: <u>763-551-2499</u>		Turnaround Time: <input checked="" type="checkbox"/> Normal <input type="checkbox"/> RUSH Date: <u>5/1/06</u>			Number of Containers	<u>PRIORITY/PAINT. METALS</u>	<u>PAINT</u>	<u>SVOC</u>	<u>MOISTURE</u>		
Project Name: <u>HENNEPIN CO. LINER</u>		Project #: <u>89244.03</u>		Condition Received: <input type="checkbox"/> Received at <u>8.9</u> °C <input checked="" type="checkbox"/> Received on ice <input type="checkbox"/> Received on blue ice <input type="checkbox"/> Received ambient <input type="checkbox"/> No temp. blank <input type="checkbox"/> Acceptable <input type="checkbox"/> Custody Seals									
Item No.	Field ID No.	Sample Description	Grab	Comp.	Collection		Sample Matrix	Lab ID No.					
					Date	Time							
1	SEGMENT 1	FILL & TRACE ALLUVIUM	X		5/1	11:45A	SOIL	-1	3	✓	✓	✓	
2	SEGMENT 2	FILL & ALLUVIUM	X		5/1	11:55A	SOIL	-2	3	✓	✓	✓	
3	SEGMENT 3	ALLUVIUM & TRACE FILL	X		5/1	12:10P	SOIL	-3	3	✓	✓	✓	
4	SEGMENT 4	ALLUVIUM	X		5/1	12:25P	SOIL	-4	3	✓	✓	✓	
5	SEGMENT 5	ALLUVIUM	X		5/1	12:35P	SOIL	-5	3	✓	✓	✓	
6	SEGMENT 6	ALLUVIUM	X		5/1	12:50P	SOIL	-6	3	✓	✓	✓	
7	SEGMENT 7	ALLUVIUM AND TRACE FILL	X		5/1	1:00P	SOIL	-7	3	✓	✓	✓	
8	SEGMENT 8	FILL & TRACE ALLUVIUM	X		5/1	1:15P	SOIL	-8	3	✓	✓	✓	
9													
10													
Sample Collector (please print): <u>S. PETTY</u>			Item No.	Relinquished By: <u>[Signature]</u>	Date: <u>5/1/06</u>	Time: <u>2:53PM</u>	Accepted By: <u>[Signature]</u>		Date:	Time:			
Comments:			Item No.	Relinquished By:	Date:	Time:	Received By Lab: <u>VICTOR YALOWSKI/CS</u>		Date: <u>5-1-06</u>	Time: <u>14:15</u>			

[Signature]



88 Empire Drive
St. Paul, MN 55103
Tel: 651.642.1150
Fax: 651.642.1239

May 11, 2006

Mr. Chandler Taylor
EarthTech
3033 Campus Drive N, Suite 290
Minneapolis, MN 55441

Work Order Number: 0601875
RE: Hennepin County

Enclosed are the results of analyses for samples received by the laboratory on 05/02/06. If you have any questions concerning this report, please feel free to contact me.

All samples will be retained by LEGEND for 30 days from the date of this report and then discarded unless other arrangements are made.

Minnesota Certification # 027-123-295

Prepared by,
LEGEND TECHNICAL SERVICES, INC


Chris Bremer
Laboratory Director


Paul Kirchberg
Client Representative

Legend Technical Services, Inc

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LEGEND

Technical Services, Inc.

88 Empire Drive
St Paul, MN 55103
651.642.1150

EarthTech
3033 Campus Drive N, Suite 290
Minneapolis MN, 55441

Project: Hennepin County
Project Number: 88244.03
Project Manager: Mr. Chandler Taylor

Date Reported:
May 11, 2006

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
Segment 9	0601875-01	Soil	05/02/06 11:20	05/02/06 14:15
Segment 10	0601875-02	Soil	05/02/06 11:28	05/02/06 14:15
Segment 11	0601875-03	Soil	05/02/06 11:35	05/02/06 14:15
Segment 12	0601875-04	Soil	05/02/06 11:42	05/02/06 14:15
Segment 13	0601875-05	Soil	05/02/06 11:52	05/02/06 14:15
Segment 14	0601875-06	Soil	05/02/06 12:05	05/02/06 14:15
Segment 15	0601875-07	Soil	05/02/06 12:15	05/02/06 14:15

Shipping container information

Default Cooler

Temperature: 10.1

Received on ice: Yes
Received on melt water: No
Custody seals: No

Temperature blank was present
Ambient: No

Received on blue ice: No
Acceptable (IH/ISO only): No

Case Narrative:

LEGEND

Technical Services, Inc.

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St Paul, MN 55103
651.642.1150

EarthTech
3033 Campus Drive N, Suite 290
Minneapolis MN, 55441

Project: Hennepin County
Project Number: 89244.03
Project Manager: Mr. Chandler Taylor

Date Reported:
May 11, 2006

TOTAL METALS ANALYSIS Legend Technical Services, Inc

Analyte	Result	Reporting Limit	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Segment 9 (0601875-01) Soil Received:05/02/06 14:15 Sampled:05/02/06 11:20										
Mercury	<0.11	0.11	0.0031	mg/kg dry	1	B6E0508	05/05/06	05/05/06	EPA 7471A	
Antimony	1.5	0.53	0.14	mg/kg dry	1	B6E0511	05/05/06	05/08/06	EPA 6010B	
Arsenic	2.9	0.53	0.089	mg/kg dry	1	"	"	"	"	
Beryllium	<0.26	0.26	0.0023	mg/kg dry	1	"	"	"	"	
Cadmium	0.32	0.26	0.079	mg/kg dry	1	"	"	"	"	
Chromium	5.8	0.53	0.021	mg/kg dry	1	"	"	"	"	
Copper	7.1	1.1	0.048	mg/kg dry	1	"	"	"	"	
Lead	260	1.1	0.027	mg/kg dry	1	"	"	"	"	
Nickel	7.8	0.53	0.029	mg/kg dry	1	"	"	"	"	
Selenium	<1.1	1.1	0.11	mg/kg dry	1	"	"	"	"	
Silver	<0.26	0.26	0.019	mg/kg dry	1	"	"	"	"	
Thallium	<2.1	2.1	0.19	mg/kg dry	1	"	"	"	"	
Zinc	41	1.1	0.068	mg/kg dry	1	"	"	"	"	
Segment 10 (0601875-02) Soil Received:05/02/06 14:15 Sampled:05/02/06 11:28										
Mercury	<0.11	0.11	0.0031	mg/kg dry	1	B6E0508	05/05/06	05/05/06	EPA 7471A	
Antimony	0.66	0.53	0.14	mg/kg dry	1	B6E0511	05/05/06	05/08/06	EPA 6010B	
Arsenic	1.9	0.53	0.089	mg/kg dry	1	"	"	"	"	
Beryllium	<0.26	0.26	0.0023	mg/kg dry	1	"	"	"	"	
Cadmium	<0.26	0.26	0.079	mg/kg dry	1	"	"	"	"	
Chromium	6.0	0.53	0.021	mg/kg dry	1	"	"	"	"	
Copper	5.1	1.1	0.048	mg/kg dry	1	"	"	"	"	
Lead	11	1.1	0.027	mg/kg dry	1	"	"	"	"	
Nickel	8.9	0.53	0.029	mg/kg dry	1	"	"	"	"	
Selenium	<1.1	1.1	0.11	mg/kg dry	1	"	"	"	"	
Silver	<0.26	0.26	0.019	mg/kg dry	1	"	"	"	"	
Thallium	<2.1	2.1	0.19	mg/kg dry	1	"	"	"	"	
Zinc	22	1.1	0.068	mg/kg dry	1	"	"	"	"	

Legend Technical Services, Inc

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Technical Services, Inc.

88 Empire Drive
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EarthTech
3033 Campus Drive N, Suite 290
Minneapolis MN, 55441

Project: Hennepin County
Project Number: 89244.03
Project Manager: Mr. Chandler Taylor

Date Reported:
May 11, 2006

TOTAL METALS ANALYSIS Legend Technical Services, Inc

Analyte	Result	Reporting Limit	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Segment 11 (0601875-03) Soil Received:05/02/06 14:15 Sampled:05/02/06 11:35										
Mercury	0.16	0.12	0.0034	mg/kg dry	1	B6E0508	05/05/06	05/05/06	EPA 7471A	
Antimony	1.5	0.59	0.15	mg/kg dry	1	B6E0511	05/05/06	05/08/06	EPA 6010B	
Arsenic	3.0	0.59	0.10	mg/kg dry	1	"	"	"	"	
Beryllium	<0.29	0.29	0.0026	mg/kg dry	1	"	"	"	"	
Cadmium	<0.29	0.29	0.088	mg/kg dry	1	"	"	"	"	
Chromium	8.7	0.59	0.024	mg/kg dry	1	"	"	"	"	
Copper	38	1.2	0.054	mg/kg dry	1	"	"	"	"	
Lead	49	1.2	0.031	mg/kg dry	1	"	"	"	"	
Nickel	14	0.59	0.033	mg/kg dry	1	"	"	"	"	
Selenium	<1.2	1.2	0.12	mg/kg dry	1	"	"	"	"	
Silver	<0.29	0.29	0.021	mg/kg dry	1	"	"	"	"	
Thallium	<2.4	2.4	0.21	mg/kg dry	1	"	"	"	"	
Zinc	52	1.2	0.076	mg/kg dry	1	"	"	"	"	
Segment 12 (0601875-04) Soil Received:05/02/06 14:15 Sampled:05/02/06 11:42										
Mercury	0.33	0.11	0.0032	mg/kg dry	1	B6E0508	05/05/06	05/05/06	EPA 7471A	
Antimony	5.2	0.54	0.14	mg/kg dry	1	B6E0511	05/05/06	05/08/06	EPA 6010B	
Arsenic	15	0.54	0.092	mg/kg dry	1	"	"	"	"	
Beryllium	0.43	0.27	0.0024	mg/kg dry	1	"	"	"	"	
Cadmium	0.34	0.27	0.082	mg/kg dry	1	"	"	"	"	
Chromium	9.3	0.54	0.022	mg/kg dry	1	"	"	"	"	
Copper	20	1.1	0.050	mg/kg dry	1	"	"	"	"	
Lead	100	1.1	0.028	mg/kg dry	1	"	"	"	"	
Nickel	13	0.54	0.030	mg/kg dry	1	"	"	"	"	
Selenium	<1.1	1.1	0.11	mg/kg dry	1	"	"	"	"	
Silver	<0.27	0.27	0.020	mg/kg dry	1	"	"	"	"	
Thallium	<2.2	2.2	0.20	mg/kg dry	1	"	"	"	"	
Zinc	160	1.1	0.071	mg/kg dry	1	"	"	"	"	

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LEGEND

Technical Services, Inc.

88 Empire Drive
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EarthTech
3033 Campus Drive N, Suite 290
Minneapolis MN, 55441

Project: Hennepin County
Project Number: 89244.03
Project Manager: Mr. Chandler Taylor

Date Reported:
May 11, 2006

TOTAL METALS ANALYSIS Legend Technical Services, Inc

Analyte	Result	Reporting Limit	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Segment 13 (0601875-05) Soil Received:05/02/06 14:15 Sampled:05/02/06 11:52										
Mercury	<0.11	0.11	0.0032	mg/kg dry	1	B6E0508	05/05/06	05/05/06	EPA 7471A	
Antimony	1.1	0.54	0.14	mg/kg dry	1	B6E0511	05/05/06	05/08/06	EPA 6010B	
Arsenic	2.9	0.54	0.092	mg/kg dry	1	"	"	"	"	
Beryllium	<0.27	0.27	0.0024	mg/kg dry	1	"	"	"	"	
Cadmium	<0.27	0.27	0.082	mg/kg dry	1	"	"	"	"	
Chromium	5.9	0.54	0.022	mg/kg dry	1	"	"	"	"	
Copper	14	1.1	0.050	mg/kg dry	1	"	"	"	"	
Lead	34	1.1	0.028	mg/kg dry	1	"	"	"	"	
Nickel	8.3	0.54	0.030	mg/kg dry	1	"	"	"	"	
Selenium	<1.1	1.1	0.11	mg/kg dry	1	"	"	"	"	
Silver	<0.27	0.27	0.020	mg/kg dry	1	"	"	"	"	
Thallium	<2.2	2.2	0.20	mg/kg dry	1	"	"	"	"	
Zinc	210	1.1	0.071	mg/kg dry	1	"	"	"	"	
Segment 14 (0601875-06) Soil Received:05/02/06 14:15 Sampled:05/02/06 12:05										
Mercury	2.9	0.56	0.016	mg/kg dry	5	B6E0508	05/05/06	05/05/06	EPA 7471A	
Antimony	1.3	0.56	0.15	mg/kg dry	1	B6E0511	05/05/06	05/08/06	EPA 6010B	
Arsenic	4.4	0.56	0.096	mg/kg dry	1	"	"	"	"	
Beryllium	<0.28	0.28	0.0025	mg/kg dry	1	"	"	"	"	
Cadmium	0.42	0.28	0.084	mg/kg dry	1	"	"	"	"	
Chromium	7.4	0.56	0.022	mg/kg dry	1	"	"	"	"	
Copper	26	1.1	0.052	mg/kg dry	1	"	"	"	"	
Lead	99	1.1	0.029	mg/kg dry	1	"	"	"	"	
Nickel	8.3	0.56	0.031	mg/kg dry	1	"	"	"	"	
Selenium	<1.1	1.1	0.11	mg/kg dry	1	"	"	"	"	
Silver	<0.28	0.28	0.020	mg/kg dry	1	"	"	"	"	
Thallium	<2.2	2.2	0.20	mg/kg dry	1	"	"	"	"	
Zinc	150	1.1	0.073	mg/kg dry	1	"	"	"	"	

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LEGEND

Technical Services, Inc.

88 Empire Drive
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EarthTech
3033 Campus Drive N, Suite 290
Minneapolis MN, 55441

Project: Hennepin County
Project Number: 89244.03
Project Manager: Mr. Chandler Taylor

Date Reported:
May 11, 2006

TOTAL METALS ANALYSIS Legend Technical Services, Inc

Analyte	Result	Reporting Limit	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Segment 15 (0601875-07) Soil Received:05/02/06 14:15 Sampled:05/02/06 12:15										
Mercury	0.38	0.11	0.0032	mg/kg dry	1	B6E0508	05/05/06	05/05/06	EPA 7471A	
Antimony	1.1	0.54	0.14	mg/kg dry	1	B6E0511	05/05/06	05/08/06	EPA 6010B	
Arsenic	3.4	0.54	0.092	mg/kg dry	1	"	"	"	"	
Beryllium	<0.27	0.27	0.0024	mg/kg dry	1	"	"	"	"	
Cadmium	<0.27	0.27	0.082	mg/kg dry	1	"	"	"	"	
Chromium	8.6	0.54	0.022	mg/kg dry	1	"	"	"	"	
Copper	11	1.1	0.050	mg/kg dry	1	"	"	"	"	
Lead	180	1.1	0.028	mg/kg dry	1	"	"	"	"	
Nickel	12	0.54	0.030	mg/kg dry	1	"	"	"	"	
Selenium	<1.1	1.1	0.11	mg/kg dry	1	"	"	"	"	
Silver	<0.27	0.27	0.020	mg/kg dry	1	"	"	"	"	
Thallium	<2.2	2.2	0.20	mg/kg dry	1	"	"	"	"	
Zinc	46	1.1	0.071	mg/kg dry	1	"	"	"	"	

Legend Technical Services, Inc

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LEGEND

Technical Services, Inc.

88 Empire Drive
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EarthTech
3033 Campus Drive N, Suite 290
Minneapolis MN, 55441

Project: Hennepin County
Project Number: 89244.03
Project Manager: Mr. Chandler Taylor

Date Reported:
May 11, 2006

PAH 8270C Legend Technical Services, Inc

Analyte	Result	Reporting Limit	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Segment 9 (0601875-01) Soil Received:05/02/06 14:15 Sampled:05/02/06 11:20										
2-Chloronaphthalene	<0.37	0.37	0.038	mg/kg dry	1	B6E0905	05/09/06	05/10/06	EPA 8270C	
2-Methylnaphthalene	<0.37	0.37	0.090	mg/kg dry	1	"	"	"	"	
Acenaphthene	<0.37	0.37	0.060	mg/kg dry	1	"	"	"	"	
Acenaphthylene	<0.37	0.37	0.038	mg/kg dry	1	"	"	"	"	
Anthracene	0.91	0.37	0.042	mg/kg dry	1	"	"	"	"	
Benzo (a) anthracene	2.3	0.37	0.079	mg/kg dry	1	"	"	"	"	
Benzo (a) pyrene	1.8	0.37	0.048	mg/kg dry	1	"	"	"	"	
Benzo (b) fluoranthene	2.4	0.37	0.043	mg/kg dry	1	"	"	"	"	
Benzo (g,h,i) perylene	0.53	0.37	0.057	mg/kg dry	1	"	"	"	"	
Benzo (k) fluoranthene	1.0	0.37	0.053	mg/kg dry	1	"	"	"	"	
Chrysene	2.3	0.37	0.082	mg/kg dry	1	"	"	"	"	
Dibenz (a,h) anthracene	<0.37	0.37	0.053	mg/kg dry	1	"	"	"	"	
Fluoranthene	4.9	0.37	0.079	mg/kg dry	1	"	"	"	"	
Fluorene	<0.37	0.37	0.065	mg/kg dry	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	0.67	0.37	0.053	mg/kg dry	1	"	"	"	"	
Naphthalene	<0.37	0.37	0.037	mg/kg dry	1	"	"	"	"	
Phenanthrene	3.9	0.37	0.041	mg/kg dry	1	"	"	"	"	
Pyrene	4.1	0.37	0.082	mg/kg dry	1	"	"	"	"	
Surrogate: 2-Fluorobiphenyl	67.8			50.8-85.9 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	61.8			49.2-95.3 %		"	"	"	"	
Surrogate: Terphenyl-d14	84.0			61.6-90.8 %		"	"	"	"	

Segment 10 (0601875-02) Soil Received:05/02/06 14:15 Sampled:05/02/06 11:28										
Analyte	Result	Reporting Limit	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
2-Chloronaphthalene	<0.41	0.41	0.042	mg/kg dry	1	B6E0905	05/09/06	05/10/06	EPA 8270C	
2-Methylnaphthalene	<0.41	0.41	0.099	mg/kg dry	1	"	"	"	"	
Acenaphthene	<0.41	0.41	0.065	mg/kg dry	1	"	"	"	"	
Acenaphthylene	<0.41	0.41	0.042	mg/kg dry	1	"	"	"	"	
Anthracene	<0.41	0.41	0.046	mg/kg dry	1	"	"	"	"	
Benzo (a) anthracene	<0.41	0.41	0.086	mg/kg dry	1	"	"	"	"	
Benzo (a) pyrene	<0.41	0.41	0.053	mg/kg dry	1	"	"	"	"	
Benzo (b) fluoranthene	<0.41	0.41	0.047	mg/kg dry	1	"	"	"	"	
Benzo (g,h,i) perylene	<0.41	0.41	0.063	mg/kg dry	1	"	"	"	"	

Legend Technical Services, Inc

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LEGEND

Technical Services, Inc.

88 Empire Drive
St Paul, MN 55103
651.642.1150

EarthTech
3033 Campus Drive N, Suite 290
Minneapolis MN, 55441

Project: Hennepin County
Project Number: 89244.03
Project Manager: Mr. Chandler Taylor

Date Reported:
May 11, 2006

PAH 8270C Legend Technical Services, Inc

Analyte	Result	Reporting Limit	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Segment 10 (0601875-02) Soil Received:05/02/06 14:15 Sampled:05/02/06 11:28										
Benzo (k) fluoranthene	<0.41	0.41	0.058	mg/kg dry	1	B6E0905	05/09/06	05/10/06	EPA 8270C	
Chrysene	<0.41	0.41	0.090	mg/kg dry	1	"	"	"	"	
Dibenz (a,h) anthracene	<0.41	0.41	0.058	mg/kg dry	1	"	"	"	"	
Fluoranthene	<0.41	0.41	0.086	mg/kg dry	1	"	"	"	"	
Fluorene	<0.41	0.41	0.072	mg/kg dry	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	<0.41	0.41	0.058	mg/kg dry	1	"	"	"	"	
Naphthalene	<0.41	0.41	0.041	mg/kg dry	1	"	"	"	"	
Phenanthrene	<0.41	0.41	0.044	mg/kg dry	1	"	"	"	"	
Pyrene	<0.41	0.41	0.090	mg/kg dry	1	"	"	"	"	
Surrogate: 2-Fluorobiphenyl	54.6			50.8-85.9 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	51.5			49.2-95.3 %		"	"	"	"	
Surrogate: Terphenyl-d14	91.1			61.6-90.8 %		"	"	"	"	S-02
Segment 11 (0601875-03) Soil Received:05/02/06 14:15 Sampled:05/02/06 11:35										
2-Chloronaphthalene	<0.39	0.39	0.040	mg/kg dry	1	B6E0905	05/09/06	05/10/06	EPA 8270C	
2-Methylnaphthalene	<0.39	0.39	0.094	mg/kg dry	1	"	"	"	"	
Acenaphthene	<0.39	0.39	0.062	mg/kg dry	1	"	"	"	"	
Acenaphthylene	<0.39	0.39	0.040	mg/kg dry	1	"	"	"	"	
Anthracene	<0.39	0.39	0.044	mg/kg dry	1	"	"	"	"	
Benzo (a) anthracene	<0.39	0.39	0.082	mg/kg dry	1	"	"	"	"	
Benzo (a) pyrene	<0.39	0.39	0.051	mg/kg dry	1	"	"	"	"	
Benzo (b) fluoranthene	<0.39	0.39	0.045	mg/kg dry	1	"	"	"	"	
Benzo (g,h,i) perylene	<0.39	0.39	0.060	mg/kg dry	1	"	"	"	"	
Benzo (k) fluoranthene	<0.39	0.39	0.055	mg/kg dry	1	"	"	"	"	
Chrysene	<0.39	0.39	0.086	mg/kg dry	1	"	"	"	"	
Dibenz (a,h) anthracene	<0.39	0.39	0.055	mg/kg dry	1	"	"	"	"	
Fluoranthene	<0.39	0.39	0.082	mg/kg dry	1	"	"	"	"	
Fluorene	<0.39	0.39	0.068	mg/kg dry	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	<0.39	0.39	0.055	mg/kg dry	1	"	"	"	"	
Naphthalene	<0.39	0.39	0.039	mg/kg dry	1	"	"	"	"	
Phenanthrene	<0.39	0.39	0.042	mg/kg dry	1	"	"	"	"	
Pyrene	<0.39	0.39	0.086	mg/kg dry	1	"	"	"	"	

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LEGEND

Technical Services, Inc.

88 Empire Drive
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EarthTech
3033 Campus Drive N, Suite 290
Minneapolis MN, 55441

Project: Hennepin County
Project Number: 89244.03
Project Manager: Mr. Chandler Taylor

Date Reported:
May 11, 2006

PAH 8270C Legend Technical Services, Inc

Analyte	Result	Reporting Limit	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Segment 11 (0601875-03) Soil Received:05/02/06 14:15 Sampled:05/02/06 11:35										
Surrogate: 2-Fluorobiphenyl	47.6			50.8-85.9 %		B6E0905	05/09/06	05/10/06	EPA 8270C	S-04
Surrogate: Nitrobenzene-d5	45.6			49.2-95.3 %		"	"	"	"	S-04
Surrogate: Terphenyl-d14	88.7			61.6-90.8 %		"	"	"	"	
Segment 13 (0601875-05) Soil Received:05/02/06 14:15 Sampled:05/02/06 11:52										
2-Chloronaphthalene	<0.40	0.40	0.042	mg/kg dry	1	B6E0905	05/09/06	05/10/06	EPA 8270C	
2-Methylnaphthalene	<0.40	0.40	0.098	mg/kg dry	1	"	"	"	"	
Acenaphthene	<0.40	0.40	0.065	mg/kg dry	1	"	"	"	"	
Acenaphthylene	<0.40	0.40	0.042	mg/kg dry	1	"	"	"	"	
Anthracene	<0.40	0.40	0.045	mg/kg dry	1	"	"	"	"	
Benzo (a) anthracene	<0.40	0.40	0.085	mg/kg dry	1	"	"	"	"	
Benzo (a) pyrene	<0.40	0.40	0.053	mg/kg dry	1	"	"	"	"	
Benzo (b) fluoranthene	<0.40	0.40	0.046	mg/kg dry	1	"	"	"	"	
Benzo (g,h,i) perylene	<0.40	0.40	0.062	mg/kg dry	1	"	"	"	"	
Benzo (k) fluoranthene	<0.40	0.40	0.057	mg/kg dry	1	"	"	"	"	
Chrysene	<0.40	0.40	0.089	mg/kg dry	1	"	"	"	"	
Dibenz (a,h) anthracene	<0.40	0.40	0.057	mg/kg dry	1	"	"	"	"	
Fluoranthene	<0.40	0.40	0.085	mg/kg dry	1	"	"	"	"	
Fluorene	<0.40	0.40	0.071	mg/kg dry	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	<0.40	0.40	0.057	mg/kg dry	1	"	"	"	"	
Naphthalene	<0.40	0.40	0.040	mg/kg dry	1	"	"	"	"	
Phenanthrene	<0.40	0.40	0.044	mg/kg dry	1	"	"	"	"	
Pyrene	<0.40	0.40	0.089	mg/kg dry	1	"	"	"	"	
Surrogate: 2-Fluorobiphenyl	71.1			50.8-85.9 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	72.4			49.2-95.3 %		"	"	"	"	
Surrogate: Terphenyl-d14	87.3			61.6-90.8 %		"	"	"	"	

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Technical Services, Inc.

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3033 Campus Drive N, Suite 290
Minneapolis MN, 55441

Project: Hennepin County
Project Number: 89244.03
Project Manager: Mr. Chandler Taylor

Date Reported:
May 11, 2006

PAH 8270C Legend Technical Services, Inc

Analyte	Result	Reporting Limit	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Segment 14 (0601875-06) Soil Received:05/02/06 14:15 Sampled:05/02/06 12:05										
2-Chloronaphthalene	<0.41	0.41	0.043	mg/kg dry	1	B6E0905	05/09/06	05/10/06	EPA 8270C	
2-Methylnaphthalene	<0.41	0.41	0.10	mg/kg dry	1	"	"	"	"	
Acenaphthene	<0.41	0.41	0.067	mg/kg dry	1	"	"	"	"	
Acenaphthylene	<0.41	0.41	0.043	mg/kg dry	1	"	"	"	"	
Anthracene	<0.41	0.41	0.046	mg/kg dry	1	"	"	"	"	
Benzo (a) anthracene	<0.41	0.41	0.088	mg/kg dry	1	"	"	"	"	
Benzo (a) pyrene	<0.41	0.41	0.054	mg/kg dry	1	"	"	"	"	
Benzo (b) fluoranthene	<0.41	0.41	0.048	mg/kg dry	1	"	"	"	"	
Benzo (g,h,i) perylene	<0.41	0.41	0.064	mg/kg dry	1	"	"	"	"	
Benzo (k) fluoranthene	<0.41	0.41	0.059	mg/kg dry	1	"	"	"	"	
Chrysene	<0.41	0.41	0.092	mg/kg dry	1	"	"	"	"	
Dibenz (a,h) anthracene	<0.41	0.41	0.059	mg/kg dry	1	"	"	"	"	
Fluoranthene	<0.41	0.41	0.088	mg/kg dry	1	"	"	"	"	
Fluorene	<0.41	0.41	0.073	mg/kg dry	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	<0.41	0.41	0.059	mg/kg dry	1	"	"	"	"	
Naphthalene	<0.41	0.41	0.041	mg/kg dry	1	"	"	"	"	
Phenanthrene	<0.41	0.41	0.045	mg/kg dry	1	"	"	"	"	
Pyrene	<0.41	0.41	0.092	mg/kg dry	1	"	"	"	"	
Surrogate: 2-Fluorobiphenyl	68.5			50.8-85.9 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	62.5			49.2-95.3 %		"	"	"	"	
Surrogate: Terphenyl-d14	83.5			61.6-90.8 %		"	"	"	"	

Segment 15 (0601875-07) Soil Received:05/02/06 14:15 Sampled:05/02/06 12:15

2-Chloronaphthalene	<0.40	0.40	0.041	mg/kg dry	1	B6E0905	05/09/06	05/10/06	EPA 8270C	
2-Methylnaphthalene	<0.40	0.40	0.097	mg/kg dry	1	"	"	"	"	
Acenaphthene	<0.40	0.40	0.064	mg/kg dry	1	"	"	"	"	
Acenaphthylene	<0.40	0.40	0.041	mg/kg dry	1	"	"	"	"	
Anthracene	<0.40	0.40	0.045	mg/kg dry	1	"	"	"	"	
Benzo (a) anthracene	0.47	0.40	0.085	mg/kg dry	1	"	"	"	"	
Benzo (a) pyrene	0.42	0.40	0.052	mg/kg dry	1	"	"	"	"	
Benzo (b) fluoranthene	0.58	0.40	0.046	mg/kg dry	1	"	"	"	"	
Benzo (g,h,i) perylene	<0.40	0.40	0.062	mg/kg dry	1	"	"	"	"	

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Technical Services, Inc.

88 Empire Drive
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EarthTech
3033 Campus Drive N, Suite 290
Minneapolis MN, 55441

Project: Hennepin County
Project Number: 89244.03
Project Manager: Mr. Chandler Taylor

Date Reported:
May 11, 2006

PAH 8270C Legend Technical Services, Inc

Analyte	Result	Reporting Limit	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Segment 15 (0601875-07) Soil Received:05/02/06 14:15 Sampled:05/02/06 12:15										
Benzo (k) fluoranthene	<0.40	0.40	0.057	mg/kg dry	1	B6E0905	05/09/06	05/10/06	EPA 8270C	
Chrysene	0.48	0.40	0.089	mg/kg dry	1	"	"	"	"	
Dibenz (a,h) anthracene	<0.40	0.40	0.057	mg/kg dry	1	"	"	"	"	
Fluoranthene	1.0	0.40	0.085	mg/kg dry	1	"	"	"	"	
Fluorene	<0.40	0.40	0.070	mg/kg dry	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	<0.40	0.40	0.057	mg/kg dry	1	"	"	"	"	
Naphthalene	<0.40	0.40	0.040	mg/kg dry	1	"	"	"	"	
Phenanthrene	0.81	0.40	0.044	mg/kg dry	1	"	"	"	"	
Pyrene	0.85	0.40	0.089	mg/kg dry	1	"	"	"	"	
Surrogate: 2-Fluorobiphenyl	71.6			50.8-85.9 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	64.6			49.2-95.3 %		"	"	"	"	
Surrogate: Terphenyl-d14	84.4			61.6-90.8 %		"	"	"	"	

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Technical Services, Inc.

88 Empire Drive
St Paul, MN 55103
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EarthTech
3033 Campus Drive N, Suite 290
Minneapolis MN, 55441

Project: Hennepin County
Project Number: 89244.03
Project Manager: Mr. Chandler Taylor

Date Reported:
May 11, 2006

PERCENT SOLIDS Legend Technical Services, Inc

Analyte	Result	Reporting Limit	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Segment 9 (0601875-01) Soil Received:05/02/06 14:15 Sampled:05/02/06 11:20										
% Solids	95			%	1	B6E0304	05/03/06	05/05/06	% calculation	
Segment 10 (0601875-02) Soil Received:05/02/06 14:15 Sampled:05/02/06 11:28										
% Solids	96			%	1	B6E0304	05/03/06	05/05/06	% calculation	
Segment 11 (0601875-03) Soil Received:05/02/06 14:15 Sampled:05/02/06 11:35										
% Solids	85			%	1	B6E0304	05/03/06	05/05/06	% calculation	
Segment 12 (0601875-04) Soil Received:05/02/06 14:15 Sampled:05/02/06 11:42										
% Solids	92			%	1	B6E0304	05/03/06	05/05/06	% calculation	
Segment 13 (0601875-05) Soil Received:05/02/06 14:15 Sampled:05/02/06 11:52										
% Solids	92			%	1	B6E0304	05/03/06	05/05/06	% calculation	
Segment 14 (0601875-06) Soil Received:05/02/06 14:15 Sampled:05/02/06 12:05										
% Solids	89			%	1	B6E0304	05/03/06	05/05/06	% calculation	
Segment 15 (0601875-07) Soil Received:05/02/06 14:15 Sampled:05/02/06 12:15										
% Solids	92			%	1	B6E0304	05/03/06	05/05/06	% calculation	

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Technical Services, Inc.

88 Empire Drive
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EarthTech
3033 Campus Drive N, Suite 290
Minneapolis MN, 55441

Project: Hennepin County
Project Number: 89244.03
Project Manager: Mr. Chandler Taylor

Date Reported:
May 11, 2006

SVOC SOIL 8270C Legend Technical Services, Inc

Analyte	Result	Reporting Limit	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Segment 12 (0601875-04) Soil Received:05/02/06 14:15 Sampled:05/02/06 11:42										
1,2,4-Trichlorobenzene	<0.39	0.39	0.055	mg/kg dry	1	B6E0905	05/09/06	05/10/06	EPA 8270C	
1,2-Dichlorobenzene	<0.39	0.39	0.043	mg/kg dry	1	"	"	"	"	
1,3-Dichlorobenzene	<0.39	0.39	0.053	mg/kg dry	1	"	"	"	"	
1,4-Dichlorobenzene	<0.39	0.39	0.039	mg/kg dry	1	"	"	"	"	
2,3,4,6-Tetrachlorophenol	<0.79	0.79	0.22	mg/kg dry	1	"	"	"	"	
2,4,5-Trichlorophenol	<0.79	0.79	0.094	mg/kg dry	1	"	"	"	"	
2,4,6-Trichlorophenol	<0.79	0.79	0.16	mg/kg dry	1	"	"	"	"	
2,4-Dichlorophenol	<0.79	0.79	0.14	mg/kg dry	1	"	"	"	"	
2,4-Dimethylphenol	<0.79	0.79	0.12	mg/kg dry	1	"	"	"	"	
2,4-Dinitrophenol	<0.79	0.79	0.088	mg/kg dry	1	"	"	"	"	
2,4-Dinitrotoluene	<0.39	0.39	0.046	mg/kg dry	1	"	"	"	"	
2,6-Dichlorophenol	<0.79	0.79	0.12	mg/kg dry	1	"	"	"	"	
2,6-Dinitrotoluene	<0.39	0.39	0.061	mg/kg dry	1	"	"	"	"	
2-Chloronaphthalene	<0.39	0.39	0.040	mg/kg dry	1	"	"	"	"	
2-Chlorophenol	<0.79	0.79	0.12	mg/kg dry	1	"	"	"	"	
2-Methylnaphthalene	<0.39	0.39	0.094	mg/kg dry	1	"	"	"	"	
2-Methylphenol	<0.79	0.79	0.079	mg/kg dry	1	"	"	"	"	
2-Nitroaniline	<0.39	0.39	0.062	mg/kg dry	1	"	"	"	"	
2-Nitrophenol	<0.79	0.79	0.12	mg/kg dry	1	"	"	"	"	
3,3'-Dichlorobenzidine	<1.9	1.9	0.54	mg/kg dry	1	"	"	"	"	
3-Nitroaniline	<0.39	0.39	0.059	mg/kg dry	1	"	"	"	"	
4,6-Dinitro-2-methylphenol	<0.79	0.79	0.12	mg/kg dry	1	"	"	"	"	
4-Bromophenyl phenyl ether	<0.39	0.39	0.042	mg/kg dry	1	"	"	"	"	
4-Chloro-3-methylphenol	<0.79	0.79	0.13	mg/kg dry	1	"	"	"	"	
4-Chloroaniline	<0.79	0.79	0.058	mg/kg dry	1	"	"	"	"	
4-Chlorophenyl phenyl ether	<0.39	0.39	0.067	mg/kg dry	1	"	"	"	"	
4-Methylphenol	<0.39	0.39	0.068	mg/kg dry	1	"	"	"	"	
4-Nitroaniline	<0.39	0.39	0.072	mg/kg dry	1	"	"	"	"	
4-Nitrophenol	<0.79	0.79	0.19	mg/kg dry	1	"	"	"	"	
Acenaphthene	<0.39	0.39	0.062	mg/kg dry	1	"	"	"	"	
Acenaphthylene	<0.39	0.39	0.040	mg/kg dry	1	"	"	"	"	
Aniline	<0.79	0.79	0.067	mg/kg dry	1	"	"	"	"	

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Technical Services, Inc.

88 Empire Drive
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Project: Hennepin County
Project Number: 89244.03
Project Manager: Mr. Chandler Taylor

Date Reported:
May 11, 2006

SVOC SOIL 8270C Legend Technical Services, Inc

Analyte	Result	Reporting Limit	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Segment 12 (0601875-04) Soil Received:05/02/06 14:15 Sampled:05/02/06 11:42										
Anthracene	<0.39	0.39	0.043	mg/kg dry	1	B6E0906	05/09/06	05/10/06	EPA 8270C	
Azobenzene	<0.39	0.39	0.042	mg/kg dry	1	"	"	"	"	
Benzidine	<2.1	2.1	0.61	mg/kg dry	1	"	"	"	"	
Benzo (a) anthracene	<0.39	0.39	0.082	mg/kg dry	1	"	"	"	"	
Benzo (a) pyrene	<0.39	0.39	0.051	mg/kg dry	1	"	"	"	"	
Benzo (b) fluoranthene	<0.39	0.39	0.045	mg/kg dry	1	"	"	"	"	
Benzo (g,h,i) perylene	<0.39	0.39	0.060	mg/kg dry	1	"	"	"	"	
Benzo (k) fluoranthene	<0.39	0.39	0.055	mg/kg dry	1	"	"	"	"	
Benzoic acid	<0.39	0.39	0.040	mg/kg dry	1	"	"	"	"	
Benzyl alcohol	<0.79	0.79	0.14	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethoxy)methane	<0.39	0.39	0.059	mg/kg dry	1	"	"	"	"	
Bis(2-chloroethyl)ether	<0.39	0.39	0.060	mg/kg dry	1	"	"	"	"	
Bis(2-chloroisopropyl)ether	<0.39	0.39	0.063	mg/kg dry	1	"	"	"	"	
Bis(2-ethylhexyl)phthalate	<0.79	0.79	0.14	mg/kg dry	1	"	"	"	"	
Butyl benzyl phthalate	<0.79	0.79	0.096	mg/kg dry	1	"	"	"	"	
Carbazole	<0.39	0.39	0.052	mg/kg dry	1	"	"	"	"	
Chrysene	<0.39	0.39	0.086	mg/kg dry	1	"	"	"	"	
Dibenz (a,h) anthracene	<0.39	0.39	0.055	mg/kg dry	1	"	"	"	"	
Dibenzofuran	<0.39	0.39	0.065	mg/kg dry	1	"	"	"	"	
Diethyl phthalate	<0.39	0.39	0.081	mg/kg dry	1	"	"	"	"	
Dimethyl phthalate	<0.39	0.39	0.071	mg/kg dry	1	"	"	"	"	
Di-n-butyl phthalate	<0.39	0.39	0.092	mg/kg dry	1	"	"	"	"	
Di-n-octyl phthalate	<0.39	0.39	0.096	mg/kg dry	1	"	"	"	"	
Fluoranthene	<0.39	0.39	0.082	mg/kg dry	1	"	"	"	"	
Fluorene	<0.39	0.39	0.068	mg/kg dry	1	"	"	"	"	
Hexachlorobenzene	<0.39	0.39	0.040	mg/kg dry	1	"	"	"	"	
Hexachlorobutadiene	<0.39	0.39	0.066	mg/kg dry	1	"	"	"	"	
Hexachlorocyclopentadiene	<0.39	0.39	0.055	mg/kg dry	1	"	"	"	"	
Hexachloroethane	<0.39	0.39	0.051	mg/kg dry	1	"	"	"	"	
Indeno (1,2,3-cd) pyrene	<0.39	0.39	0.055	mg/kg dry	1	"	"	"	"	
Isophorone	<0.39	0.39	0.058	mg/kg dry	1	"	"	"	"	
Naphthalene	<0.39	0.39	0.039	mg/kg dry	1	"	"	"	"	

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Technical Services, Inc.

88 Empire Drive
St Paul, MN 55103
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EarthTech
3033 Campus Drive N, Suite 290
Minneapolis MN, 55441

Project: Hennepin County
Project Number: 89244.03
Project Manager: Mr. Chandler Taylor

Date Reported:
May 11, 2006

SVOC SOIL 8270C Legend Technical Services, Inc

Analyte	Result	Reporting Limit	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Segment 12 (0601875-04) Soil										
Received:05/02/06 14:15 Sampled:05/02/06 11:42										
Nitrobenzene	<0.39	0.39	0.065	mg/kg dry	1	B6E0905	05/09/06	05/10/06	EPA 8270C	
N-Nitrosodimethylamine	<0.39	0.39	0.056	mg/kg dry	1	"	"	"	"	
N-Nitrosodi-n-propylamine	<0.39	0.39	0.053	mg/kg dry	1	"	"	"	"	
N-Nitrosodiphenylamine	<0.39	0.39	0.075	mg/kg dry	1	"	"	"	"	
Pentachlorophenol	<0.79	0.79	0.15	mg/kg dry	1	"	"	"	"	
Phenanthrene	<0.39	0.39	0.042	mg/kg dry	1	"	"	"	"	
Phenol	<0.79	0.79	0.20	mg/kg dry	1	"	"	"	"	
Pyrene	<0.39	0.39	0.086	mg/kg dry	1	"	"	"	"	
Surrogate: 2,4,6-Tribromophenol	104			54-102 %		"	"	"	"	S-02
Surrogate: 2-Fluorobiphenyl	77.9			50.8-85.9 %		"	"	"	"	
Surrogate: 2-Fluorophenol	70.5			43-78 %		"	"	"	"	
Surrogate: Nitrobenzene-d5	73.7			49.2-95.3 %		"	"	"	"	
Surrogate: Phenol-d5	75.9			39.5-83.7 %		"	"	"	"	
Surrogate: Terphenyl-d14	88.3			61.6-90.8 %		"	"	"	"	

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TOTAL METALS ANALYSIS - Quality Control Legend Technical Services, Inc

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
Batch B6E0508 - EPA 7471A										
Blank (B6E0508-BLK1) Prepared & Analyzed: 05/05/06										
Mercury	<0.10	0.10	mg/kg wet							
LCS (B6E0508-BS1) Prepared & Analyzed: 05/05/06										
Mercury	0.190	0.10	mg/kg wet	0.200		95.0	80-120			
LCS Dup (B6E0508-BSD1) Prepared & Analyzed: 05/05/06										
Mercury	0.190	0.10	mg/kg wet	0.200		95.0	80-120	0.00	20	
Matrix Spike (B6E0508-MS1) Source: 0601907-01 Prepared & Analyzed: 05/05/06										
Mercury	0.285	0.12	mg/kg dry	0.235	<0.12	93.2	75-125			
Matrix Spike Dup (B6E0508-MSD1) Source: 0601907-01 Prepared & Analyzed: 05/05/06										
Mercury	0.273	0.12	mg/kg dry	0.235	<0.12	88.1	75-125	4.30	20	
Batch B6E0511 - EPA 3050B										
Blank (B6E0511-BLK1) Prepared: 05/05/06 Analyzed: 05/08/06										
Antimony	<5.0	5.0	mg/kg wet							
Arsenic	<5.0	5.0	mg/kg wet							
Beryllium	<2.5	2.5	mg/kg wet							
Cadmium	<2.5	2.5	mg/kg wet							
Chromium	<5.0	5.0	mg/kg wet							
Copper	<10	10	mg/kg wet							
Lead	<10	10	mg/kg wet							
Nickel	<5.0	5.0	mg/kg wet							
Selenium	<10	10	mg/kg wet							
Silver	<2.5	2.5	mg/kg wet							
Thallium	<20	20	mg/kg wet							
Zinc	<10	10	mg/kg wet							

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TOTAL METALS ANALYSIS - Quality Control Legend Technical Services, Inc

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
Batch B6E0511 - EPA 3050B										
LCS (B6E0511-BS1)										
Prepared: 05/05/06 Analyzed: 05/08/06										
Antimony	40.3	0.50	mg/kg wet	40.0		101	80-120			
Arsenic	39.5	0.50	mg/kg wet	40.0		98.8	80-120			
Beryllium	4.03	0.25	mg/kg wet	4.00		101	80-120			
Cadmium	41.2	0.25	mg/kg wet	40.0		103	80-120			
Chromium	40.1	0.50	mg/kg wet	40.0		100	80-120			
Copper	40.0	1.0	mg/kg wet	40.0		100	80-120			
Lead	40.4	1.0	mg/kg wet	40.0		101	80-120			
Nickel	40.4	0.50	mg/kg wet	40.0		101	80-120			
Selenium	39.2	1.0	mg/kg wet	40.0		98.0	80-120			
Silver	3.93	0.25	mg/kg wet	4.00		98.2	80-120			
Thallium	41.5	2.0	mg/kg wet	40.0		104	80-120			
Zinc	41.1	1.0	mg/kg wet	40.0		103	80-120			

LCS Dup (B6E0511-BSD1)

Prepared: 05/05/06 Analyzed: 05/08/06

Antimony	40.6	0.50	mg/kg wet	40.0		102	80-120	0.742	20	
Arsenic	39.6	0.50	mg/kg wet	40.0		99.0	80-120	0.253	20	
Beryllium	4.03	0.25	mg/kg wet	4.00		101	80-120	0.00	20	
Cadmium	41.2	0.25	mg/kg wet	40.0		103	80-120	0.00	20	
Chromium	40.0	0.50	mg/kg wet	40.0		100	80-120	0.250	20	
Copper	40.0	1.0	mg/kg wet	40.0		100	80-120	0.00	20	
Lead	40.4	1.0	mg/kg wet	40.0		101	80-120	0.00	20	
Nickel	40.3	0.50	mg/kg wet	40.0		101	80-120	0.248	20	
Selenium	39.4	1.0	mg/kg wet	40.0		98.5	80-120	0.509	20	
Silver	3.92	0.25	mg/kg wet	4.00		98.0	80-120	0.255	20	
Thallium	41.9	2.0	mg/kg wet	40.0		105	80-120	0.959	20	

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TOTAL METALS ANALYSIS - Quality Control Legend Technical Services, Inc

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B6E0511 - EPA 3050B

LCS Dup (B6E0511-BSD1)

Prepared: 05/05/06 Analyzed: 05/08/06

Zinc	41.4	1.0	mg/kg wet	40.0		104	80-120	0.727	20	
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Matrix Spike (B6E0511-MS1)

Source: 0601844-01 Prepared: 05/05/06 Analyzed: 05/08/06

Antimony	42.2	0.54	mg/kg dry	43.0	0.545	96.9	75-125			
Arsenic	45.8	0.54	mg/kg dry	43.0	2.34	101	75-125			
Beryllium	4.49	0.27	mg/kg dry	4.30	<0.27	99.3	75-125			
Cadmium	42.2	0.27	mg/kg dry	43.0	<0.27	97.7	75-125			
Chromium	50.2	0.54	mg/kg dry	43.0	11.4	90.2	75-125			
Copper	51.0	1.1	mg/kg dry	43.0	7.85	100	75-125			
Lead	47.3	1.1	mg/kg dry	43.0	6.45	95.0	75-125			
Nickel	51.9	0.54	mg/kg dry	43.0	11.8	93.3	75-125			
Selenium	42.4	1.1	mg/kg dry	43.0	<1.1	98.1	75-125			
Silver	4.29	0.27	mg/kg dry	4.30	<0.27	99.8	75-125			
Thallium	41.7	2.2	mg/kg dry	43.0	<2.2	94.9	75-125			
Zinc	126	1.1	mg/kg dry	43.0	78.1	111	75-125			

Matrix Spike Dup (B6E0511-MSD1)

Source: 0601844-01 Prepared: 05/05/06 Analyzed: 05/08/06

Antimony	42.0	0.54	mg/kg dry	43.0	0.545	98.4	75-125	0.475	20	
Arsenic	45.6	0.54	mg/kg dry	43.0	2.34	101	75-125	0.438	20	
Beryllium	4.43	0.27	mg/kg dry	4.30	<0.27	97.9	75-125	1.35	20	
Cadmium	41.4	0.27	mg/kg dry	43.0	<0.27	95.8	75-125	1.91	20	
Chromium	48.9	0.54	mg/kg dry	43.0	11.4	87.2	75-125	2.62	20	
Copper	48.9	1.1	mg/kg dry	43.0	7.85	95.5	75-125	4.20	20	
Lead	48.0	1.1	mg/kg dry	43.0	6.45	96.6	75-125	1.47	20	
Nickel	50.8	0.54	mg/kg dry	43.0	11.8	90.7	75-125	2.14	20	
Selenium	42.3	1.1	mg/kg dry	43.0	<1.1	97.8	75-125	0.236	20	

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TOTAL METALS ANALYSIS - Quality Control Legend Technical Services, Inc

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
Batch B6E0511 - EPA 3050B										
Matrix Spike Dup (B6E0511-MSD1)										
Source: 0601844-01 Prepared: 05/05/06 Analyzed: 05/08/06										
Silver	4.19	0.27	mg/kg dry	4.30	<0.27	97.4	75-125	2.36	20	
Thallium	41.2	2.2	mg/kg dry	43.0	<2.2	93.7	75-125	1.21	20	
Zinc	136	1.1	mg/kg dry	43.0	78.1	135	75-125	7.63	20	QM-07

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PAH 8270C - Quality Control Legend Technical Services, Inc

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B6E0905 - EPA 3545 ASE Extraction

Prepared & Analyzed: 05/09/06

Blank (B6E0905-BLK1)

2-Chloronaphthalene	<0.33	0.33	mg/kg wet							
2-Methylnaphthalene	<0.33	0.33	mg/kg wet							
Acenaphthene	<0.33	0.33	mg/kg wet							
Acenaphthylene	<0.33	0.33	mg/kg wet							
Anthracene	<0.33	0.33	mg/kg wet							
Benzo (a) anthracene	<0.33	0.33	mg/kg wet							
Benzo (a) pyrene	<0.33	0.33	mg/kg wet							
Benzo (b) fluoranthene	<0.33	0.33	mg/kg wet							
Benzo (g,h,i) perylene	<0.33	0.33	mg/kg wet							
Benzo (k) fluoranthene	<0.33	0.33	mg/kg wet							
Chrysene	<0.33	0.33	mg/kg wet							
Dibenz (a,h) anthracene	<0.33	0.33	mg/kg wet							
Fluoranthene	<0.33	0.33	mg/kg wet							
Fluorene	<0.33	0.33	mg/kg wet							
Indeno (1,2,3-cd) pyrene	<0.33	0.33	mg/kg wet							
Naphthalene	<0.33	0.33	mg/kg wet							
Phenanthrene	<0.33	0.33	mg/kg wet							
Pyrene	<0.33	0.33	mg/kg wet							
Surrogate: 2-Fluorobiphenyl	3.44		mg/kg wet	6.67		51.6	50.8-85.9			
Surrogate: Nitrobenzene-d5	3.38		mg/kg wet	6.67		50.7	49.2-95.3			
Surrogate: Terphenyl-d14	4.73		mg/kg wet	6.67		70.9	61.6-90.8			

LCS (B6E0905-BS1)

Prepared & Analyzed: 05/09/06

Acenaphthene	5.01	0.33	mg/kg wet	6.67		75.1	40.1-97.2			
Pyrene	4.27	0.33	mg/kg wet	6.67		64.0	30-98.4			
Surrogate: 2-Fluorobiphenyl	5.09		mg/kg wet	6.67		76.3	50.8-85.9			

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PAH 8270C - Quality Control Legend Technical Services, Inc

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B6E0905 - EPA 3545 ASE Extraction

LCS (B6E0905-BS1)

Prepared & Analyzed: 05/09/06

Surrogate: Nitrobenzene-d5	5.06		mg/kg wet	6.67		75.9	49.2-95.3			
Surrogate: Terphenyl-dl4	6.03		mg/kg wet	6.67		90.4	61.6-90.8			

Matrix Spike (B6E0905-MS1)

Source: 0601918-01 Prepared & Analyzed: 05/09/06

Acenaphthene	6.02	0.72	mg/kg dry	7.61	<0.72	79.1	50.5-89.7			
Pyrene	5.44	0.72	mg/kg dry	7.61	<0.72	68.4	32.5-81.2			
Surrogate: 2-Fluorobiphenyl	5.67		mg/kg dry	7.61		74.5	50.8-85.9			
Surrogate: Nitrobenzene-d5	5.64		mg/kg dry	7.61		74.1	49.2-95.3			
Surrogate: Terphenyl-dl4	7.28		mg/kg dry	7.61		95.7	61.6-90.8			S-04

Matrix Spike Dup (B6E0905-MSD1)

Source: 0601918-01 Prepared & Analyzed: 05/09/06

Acenaphthene	6.08	0.72	mg/kg dry	7.62	<0.72	79.8	50.5-89.7	0.992	38.6	
Pyrene	5.51	0.72	mg/kg dry	7.62	<0.72	69.3	32.5-81.2	1.28	29.1	
Surrogate: 2-Fluorobiphenyl	5.97		mg/kg dry	7.62		78.3	50.8-85.9			
Surrogate: Nitrobenzene-d5	5.76		mg/kg dry	7.62		75.6	49.2-95.3			
Surrogate: Terphenyl-dl4	6.97		mg/kg dry	7.62		91.5	61.6-90.8			S-04

Batch B6E1005 - EPA 3545 ASE Extraction

Blank (B6E1005-BLK1)

Prepared & Analyzed: 05/10/06

2-Chloronaphthalene	<0.33	0.33	mg/kg wet							
2-Methylnaphthalene	<0.33	0.33	mg/kg wet							
Acenaphthene	<0.33	0.33	mg/kg wet							
Acenaphthylene	<0.33	0.33	mg/kg wet							
Anthracene	<0.33	0.33	mg/kg wet							
Benzo (a) anthracene	<0.33	0.33	mg/kg wet							
Benzo (a) pyrene	<0.33	0.33	mg/kg wet							
Benzo (b) fluoranthene	<0.33	0.33	mg/kg wet							
Benzo (g,h,i) perylene	<0.33	0.33	mg/kg wet							

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Project Number: 89244.03
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PAH 8270C - Quality Control Legend Technical Services, Inc

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B6E1005 - EPA 3545 ASE Extraction

Blank (B6E1005-BLK1)

Prepared & Analyzed: 05/10/06

Benzo (k) fluoranthene	<0.33	0.33	mg/kg wet							
Chrysene	<0.33	0.33	mg/kg wet							
Dibenz (a,h) anthracene	<0.33	0.33	mg/kg wet							
Fluoranthene	<0.33	0.33	mg/kg wet							
Fluorene	<0.33	0.33	mg/kg wet							
Indeno (1,2,3-cd) pyrene	<0.33	0.33	mg/kg wet							
Naphthalene	<0.33	0.33	mg/kg wet							
Phenanthrene	<0.33	0.33	mg/kg wet							
Pyrene	<0.33	0.33	mg/kg wet							
Surrogate: 2-Fluorobiphenyl	4.53	mg/kg wet		6.67		67.9	50.8-85.9			
Surrogate: Nitrobenzene-d5	4.47	mg/kg wet		6.67		67.0	49.2-95.3			
Surrogate: Terphenyl-d14	5.57	mg/kg wet		6.67		83.5	61.6-90.8			

LCS (B6E1005-BS1)

Prepared & Analyzed: 05/10/06

Acenaphthene	4.10	0.33	mg/kg wet	6.67		61.5	40.1-97.2			
Pyrene	3.86	0.33	mg/kg wet	6.67		57.9	30-98.4			
Surrogate: 2-Fluorobiphenyl	3.82	mg/kg wet		6.67		57.3	50.8-85.9			
Surrogate: Nitrobenzene-d5	3.67	mg/kg wet		6.67		55.0	49.2-95.3			
Surrogate: Terphenyl-d14	4.73	mg/kg wet		6.67		70.9	61.6-90.8			

Matrix Spike (B6E1005-MS1)

Source: 0601844-03

Prepared & Analyzed: 05/10/06

Acenaphthene	5.26	0.39	mg/kg dry	7.92	<0.39	66.4	50.5-89.7			
Pyrene	5.27	0.39	mg/kg dry	7.92	<0.39	66.5	32.5-81.2			
Surrogate: 2-Fluorobiphenyl	5.22	mg/kg dry		7.92		65.9	50.8-85.9			
Surrogate: Nitrobenzene-d5	5.15	mg/kg dry		7.92		65.0	49.2-95.3			
Surrogate: Terphenyl-d14	7.03	mg/kg dry		7.92		88.8	61.6-90.8			

Matrix Spike Dup (B6E1005-MSD1)

Source: 0601844-03

Prepared & Analyzed: 05/10/06

Legend Technical Services, Inc

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LEGEND

Technical Services, Inc.

88 Empire Drive
St Paul, MN 55103
651.642.1150

EarthTech
3033 Campus Drive N, Suite 290
Minneapolis MN, 55441

Project: Hennepin County
Project Number: 89244.03
Project Manager: Mr. Chandler Taylor

Date Reported:
May 11, 2006

PAH 8270C - Quality Control Legend Technical Services, Inc

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC Limits	%RPD	%RPD Limit	Notes
Batch B6E1005 - EPA 3545 ASE Extraction									
Matrix Spike Dup (B6E1005-MSD1)									
Source: 0601844-03 Prepared & Analyzed: 05/10/06									
Acenaphthene	5.03	0.40	mg/kg dry	8.07	<0.40	62.3	50.5-89.7	4.47	38.6
Pyrene	4.81	0.40	mg/kg dry	8.07	<0.40	59.6	32.5-81.2	9.13	29.1
Surrogate: 2-Fluorobiphenyl	4.98		mg/kg dry	8.07		61.7	50.8-85.9		
Surrogate: Nitrobenzene-d5	4.81		mg/kg dry	8.07		59.6	49.2-95.3		
Surrogate: Terphenyl-d14	6.62		mg/kg dry	8.07		82.0	61.6-90.8		

LEGEND

Technical Services, Inc.

88 Empire Drive
St Paul, MN 55103
651.642.1150

EarthTech
3033 Campus Drive N, Suite 290
Minneapolis MN, 55441

Project: Hennepin County
Project Number: 89244.03
Project Manager: Mr. Chandler Taylor

Date Reported:
May 11, 2006

SVOC SOIL 8270C - Quality Control Legend Technical Services, Inc

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B6E0905 - EPA 3545 ASE Extraction

Blank (B6E0905-BLK1)

Prepared & Analyzed: 05/09/06

1,2,4-Trichlorobenzene	<0.33	0.33	mg/kg wet
1,2-Dichlorobenzene	<0.33	0.33	mg/kg wet
1,3-Dichlorobenzene	<0.33	0.33	mg/kg wet
1,4-Dichlorobenzene	<0.33	0.33	mg/kg wet
2,3,4,6-Tetrachlorophenol	<0.67	0.67	mg/kg wet
2,4,5-Trichlorophenol	<0.67	0.67	mg/kg wet
2,4,6-Trichlorophenol	<0.67	0.67	mg/kg wet
2,4-Dichlorophenol	<0.67	0.67	mg/kg wet
2,4-Dimethylphenol	<0.67	0.67	mg/kg wet
2,4-Dinitrophenol	<0.67	0.67	mg/kg wet
2,4-Dinitrotoluene	<0.33	0.33	mg/kg wet
2,6-Dichlorophenol	<0.67	0.67	mg/kg wet
2,6-Dinitrotoluene	<0.33	0.33	mg/kg wet
2-Chloronaphthalene	<0.33	0.33	mg/kg wet
2-Chlorophenol	<0.67	0.67	mg/kg wet
2-Methylnaphthalene	<0.33	0.33	mg/kg wet
2-Methylphenol	<0.67	0.67	mg/kg wet
2-Nitroaniline	<0.33	0.33	mg/kg wet
2-Nitrophenol	<0.67	0.67	mg/kg wet
3,3'-Dichlorobenzidine	<1.6	1.6	mg/kg wet
3-Nitroaniline	<0.33	0.33	mg/kg wet
4,6-Dinitro-2-methylphenol	<0.67	0.67	mg/kg wet
4-Bromophenyl phenyl ether	<0.33	0.33	mg/kg wet
4-Chloro-3-methylphenol	<0.67	0.67	mg/kg wet

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Project: Hennepin County
Project Number: 89244.03
Project Manager: Mr. Chandler Taylor

Date Reported:
May 11, 2006

SVOC SOIL 8270C - Quality Control Legend Technical Services, Inc

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B6E0905 - EPA 3545 ASE Extraction

Prepared & Analyzed: 05/09/06

Blank (B6E0905-BLK1)

4-Chloroaniline	<0.67	0.67	mg/kg wet
4-Chlorophenyl phenyl ether	<0.33	0.33	mg/kg wet
4-Methylphenol	<0.33	0.33	mg/kg wet
4-Nitroaniline	<0.33	0.33	mg/kg wet
4-Nitrophenol	<0.67	0.67	mg/kg wet
Acenaphthene	<0.33	0.33	mg/kg wet
Acenaphthylene	<0.33	0.33	mg/kg wet
Aniline	<0.67	0.67	mg/kg wet
Anthracene	<0.33	0.33	mg/kg wet
Azobenzene	<0.33	0.33	mg/kg wet
Benzidine	<1.8	1.8	mg/kg wet
Benzo (a) anthracene	<0.33	0.33	mg/kg wet
Benzo (a) pyrene	<0.33	0.33	mg/kg wet
Benzo (b) fluoranthene	<0.33	0.33	mg/kg wet
Benzo (g,h,i) perylene	<0.33	0.33	mg/kg wet
Benzo (k) fluoranthene	<0.33	0.33	mg/kg wet
Benzoic acid	<0.33	0.33	mg/kg wet
Benzyl alcohol	<0.67	0.67	mg/kg wet
Bis(2-chloroethoxy)methane	<0.33	0.33	mg/kg wet
Bis(2-chloroethyl)ether	<0.33	0.33	mg/kg wet
Bis(2-chloroisopropyl)ether	<0.33	0.33	mg/kg wet
Bis(2-ethylhexyl)phthalate	<0.67	0.67	mg/kg wet
Butyl benzyl phthalate	<0.67	0.67	mg/kg wet
Carbazole	<0.33	0.33	mg/kg wet

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EarthTech
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Project: Hennepin County
Project Number: 89244.03
Project Manager: Mr. Chandler Taylor

Date Reported:
May 11, 2006

SVOC SOIL 8270C - Quality Control Legend Technical Services, Inc

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B6E0905 - EPA 3545 ASE Extraction

Prepared & Analyzed: 05/09/06

Blank (B6E0905-BLK1)

Chrysene	<0.33	0.33	mg/kg wet
Dibenz (a,h) anthracene	<0.33	0.33	mg/kg wet
Dibenzofuran	<0.33	0.33	mg/kg wet
Diethyl phthalate	<0.33	0.33	mg/kg wet
Dimethyl phthalate	<0.33	0.33	mg/kg wet
Di-n-butyl phthalate	<0.33	0.33	mg/kg wet
Di-n-octyl phthalate	<0.33	0.33	mg/kg wet
Fluoranthene	<0.33	0.33	mg/kg wet
Fluorene	<0.33	0.33	mg/kg wet
Hexachlorobenzene	<0.33	0.33	mg/kg wet
Hexachlorobutadiene	<0.33	0.33	mg/kg wet
Hexachlorocyclopentadiene	<0.33	0.33	mg/kg wet
Hexachloroethane	<0.33	0.33	mg/kg wet
Indeno (1,2,3-cd) pyrene	<0.33	0.33	mg/kg wet
Isophorone	<0.33	0.33	mg/kg wet
Naphthalene	<0.33	0.33	mg/kg wet
Nitrobenzene	<0.33	0.33	mg/kg wet
N-Nitrosodimethylamine	<0.33	0.33	mg/kg wet
N-Nitrosodi-n-propylamine	<0.33	0.33	mg/kg wet
N-Nitrosodiphenylamine	<0.33	0.33	mg/kg wet
Pentachlorophenol	<0.67	0.67	mg/kg wet
Phenanthrene	<0.33	0.33	mg/kg wet
Phenol	<0.67	0.67	mg/kg wet
Pyrene	<0.33	0.33	mg/kg wet

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SVOC SOIL 8270C - Quality Control Legend Technical Services, Inc

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B6E0905 - EPA 3545 ASE Extraction

Blank (B6E0905-BLK1)

Prepared & Analyzed: 05/09/06

Surrogate: 2,4,6-Tribromophenol	3.87		mg/kg wet	6.67		58.0	54-102			
Surrogate: 2-Fluorobiphenyl	3.44		mg/kg wet	6.67		51.6	50.8-85.9			
Surrogate: 2-Fluorophenol	3.15		mg/kg wet	6.67		47.2	43-78			
Surrogate: Nitrobenzene-d5	3.38		mg/kg wet	6.67		50.7	49.2-95.3			
Surrogate: Phenol-d5	3.46		mg/kg wet	6.67		51.9	39.5-83.7			
Surrogate: Terphenyl-d14	4.73		mg/kg wet	6.67		70.9	61.6-90.8			

LCS (B6E0905-BS1)

Prepared & Analyzed: 05/09/06

1,2,4-Trichlorobenzene	4.73	0.33	mg/kg wet	6.67		70.9	45.2-89.3			
1,4-Dichlorobenzene	4.42	0.33	mg/kg wet	6.67		66.3	40.7-83.2			
2,4-Dinitrotoluene	5.28	0.33	mg/kg wet	6.67		79.2	40.3-94.7			
2-Chlorophenol	4.98	0.67	mg/kg wet	6.67		74.7	40.7-90.6			
4-Chloro-3-methylphenol	5.35	0.67	mg/kg wet	6.67		80.2	41.2-97.3			
4-Nitrophenol	6.03	0.67	mg/kg wet	6.67		90.4	45.3-113			
Acenaphthene	5.01	0.33	mg/kg wet	6.67		75.1	40.1-97.2			
N-Nitrosodi-n-propylamine	5.20	0.33	mg/kg wet	6.67		78.0	47.6-104			
Pentachlorophenol	4.94	0.67	mg/kg wet	6.67		74.1	38.6-95.6			
Phenol	5.07	0.67	mg/kg wet	6.67		76.0	37.2-91.4			
Pyrene	4.27	0.33	mg/kg wet	6.67		64.0	30-98.4			
Surrogate: 2,4,6-Tribromophenol	5.70		mg/kg wet	6.67		85.5	54-102			
Surrogate: 2-Fluorobiphenyl	5.09		mg/kg wet	6.67		76.3	50.8-85.9			
Surrogate: 2-Fluorophenol	4.95		mg/kg wet	6.67		74.2	43-78			
Surrogate: Nitrobenzene-d5	5.06		mg/kg wet	6.67		75.9	49.2-95.3			
Surrogate: Phenol-d5	5.02		mg/kg wet	6.67		75.3	39.5-83.7			
Surrogate: Terphenyl-d14	6.03		mg/kg wet	6.67		90.4	61.6-90.8			

Matrix Spike (B6E0905-MS1)

Source: 0601918-01 Prepared & Analyzed: 05/09/06

1,2,4-Trichlorobenzene	5.48	0.72	mg/kg dry	7.61	<0.72	72.0	56.8-82.5			
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LEGEND

Technical Services, Inc.

88 Empire Drive
St Paul, MN 55103
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EarthTech
3033 Campus Drive N, Suite 290
Minneapolis MN, 55441

Project: Hennepin County
Project Number: 89244.03
Project Manager: Mr. Chandler Taylor

Date Reported:
May 11, 2006

SVOC SOIL 8270C - Quality Control Legend Technical Services, Inc

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B6E0905 - EPA 3545 ASE Extraction

Matrix Spike (B6E0905-MS1)

Source: 0601918-01 Prepared & Analyzed: 05/09/06

1,4-Dichlorobenzene	4.98	0.72	mg/kg dry	7.61	<0.72	65.4	47.3-75.5		
2,4-Dinitrotoluene	5.86	0.72	mg/kg dry	7.61	<0.72	77.0	47.5-94.8		
2-Chlorophenol	5.83	1.5	mg/kg dry	7.61	<1.5	76.6	47.7-86.9		
4-Chloro-3-methylphenol	6.34	1.5	mg/kg dry	7.61	<1.5	83.3	56.2-100		
4-Nitrophenol	7.54	1.5	mg/kg dry	7.61	<1.5	99.1	63.9-113		
Acenaphthene	6.02	0.72	mg/kg dry	7.61	<0.72	79.1	50.5-89.7		
N-Nitrosodi-n-propylamine	5.98	0.72	mg/kg dry	7.61	<0.72	78.6	48.2-100		
Pentachlorophenol	5.71	1.5	mg/kg dry	7.61	<1.5	75.0	49.1-97		
Phenol	6.23	1.5	mg/kg dry	7.61	<1.5	81.9	43.4-92.3		
Pyrene	5.44	0.72	mg/kg dry	7.61	<0.72	68.4	32.5-81.2		
Surrogate: 2,4,6-Tribromophenol	7.43		mg/kg dry	7.61		97.6	54-102		
Surrogate: 2-Fluorobiphenyl	5.67		mg/kg dry	7.61		74.5	50.8-85.9		
Surrogate: 2-Fluorophenol	5.40		mg/kg dry	7.61		71.0	43-78		
Surrogate: Nitrobenzene-d5	5.64		mg/kg dry	7.61		74.1	49.2-95.3		
Surrogate: Phenol-d5	5.67		mg/kg dry	7.61		74.5	39.5-83.7		
Surrogate: Terphenyl-d14	7.28		mg/kg dry	7.61		95.7	61.6-90.8		S-04

Matrix Spike Dup (B6E0905-MSD1)

Source: 0601918-01 Prepared & Analyzed: 05/09/06

1,2,4-Trichlorobenzene	5.73	0.72	mg/kg dry	7.62	<0.72	75.2	56.8-82.5	4.46	46
1,4-Dichlorobenzene	5.09	0.72	mg/kg dry	7.62	<0.72	66.8	47.3-75.5	2.18	57.2
2,4-Dinitrotoluene	5.78	0.72	mg/kg dry	7.62	<0.72	75.9	47.5-94.8	1.37	34.1
2-Chlorophenol	6.01	1.5	mg/kg dry	7.62	<1.5	78.9	47.7-86.9	3.04	47.1
4-Chloro-3-methylphenol	6.57	1.5	mg/kg dry	7.62	<1.5	86.2	56.2-100	3.56	35.9
4-Nitrophenol	7.09	1.5	mg/kg dry	7.62	<1.5	93.0	63.9-113	6.15	34.9
Acenaphthene	6.08	0.72	mg/kg dry	7.62	<0.72	79.8	50.5-89.7	0.992	38.6
N-Nitrosodi-n-propylamine	6.13	0.72	mg/kg dry	7.62	<0.72	80.4	48.2-100	2.48	47.6

Legend Technical Services, Inc

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88 Empire Drive
 St Paul, MN 55103
 651.642.1150

EarthTech 3033 Campus Drive N, Suite 290 Minneapolis MN, 55441	Project: Hennepin County Project Number: 89244.03 Project Manager: Mr. Chandler Taylor	Date Reported: May 11, 2006
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SVOC SOIL 8270C - Quality Control
Legend Technical Services, Inc

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
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Batch B6E0905 - EPA 3545 ASE Extraction

Matrix Spike Dup (B6E0905-MSD1)

Source: 0601918-01

Prepared & Analyzed: 05/09/06

Pentachlorophenol	5.28	1.5	mg/kg dry	7.62	<1.5	69.3	49.1-97	7.83	36.6	
Phenol	6.34	1.5	mg/kg dry	7.62	<1.5	83.2	43.4-92.3	1.75	48.9	
Pyrene	5.51	0.72	mg/kg dry	7.62	<0.72	69.3	32.5-81.2	1.28	29.1	
Surrogate: 2,4,6-Tribromophenol	6.95		mg/kg dry	7.62		91.2	54-102			
Surrogate: 2-Fluorobiphenyl	5.97		mg/kg dry	7.62		78.3	50.8-85.9			
Surrogate: 2-Fluorophenol	5.46		mg/kg dry	7.62		71.7	43-78			
Surrogate: Nitrobenzene-d5	5.76		mg/kg dry	7.62		75.6	49.2-95.3			
Surrogate: Phenol-d5	5.81		mg/kg dry	7.62		76.2	39.5-83.7			
Surrogate: Terphenyl-d14	6.97		mg/kg dry	7.62		91.5	61.6-90.8			

S-04

LEGEND

Technical Services, Inc.

88 Empire Drive
St Paul, MN 55103
651.642.1150

EarthTech

3033 Campus Drive N, Suite 290
Minneapolis MN, 55441

Project: Hennepin County

Project Number: 89244.03

Project Manager: Mr. Chandler Taylor

Date Reported:

May 11, 2006

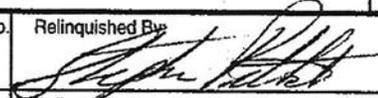
Notes and Definitions

- S-04 The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
- S-02 Surrogate recovery outside of laboratory acceptance limits.
- QM-07 The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
- < Less than value listed
- dry Sample results reported on a dry weight basis
- RPD Relative Percent Difference
- NA Not applicable. The %RPD is not calculated from values less than the reporting limit.

LEGEND TECHNICAL SERVICES, INC.

88 Empire Drive, St. Paul, MN 55103 - Telephone: 651-642-1150, Fax: 651-642-1239

CHAIN-OF-CUSTODY RECORD

Client Name: EMERALD TECH 3033 CAMPUS DR.		Bill To: HEADREPIN CO.		LEGEND Project #: 0601875			Analysis								
Address: SUITE 290 MPLS., MN 55441		Address:		Turnaround Time: <input checked="" type="checkbox"/> Normal <input type="checkbox"/> RUSH Date: 5/2/06			Number of Containers	PROPERTY LABORATORY SERVICES	PAA	SVOC	MOISTURE				
Attn: CHANDLER TAYLOR		PO #:		Condition Received: <input type="checkbox"/> Received at 10.1 °C <input checked="" type="checkbox"/> Received on ice <input type="checkbox"/> Received on blue ice <input type="checkbox"/> Received ambient <input type="checkbox"/> No temp. blank <input type="checkbox"/> Acceptable <input type="checkbox"/> Custody Seals											
Phone: 763 551-1001		Fax: 763-551-2499		Project Name: HEAD. CO. LINER Project #: 89244.03											
Item No.	Field ID No.	Sample Description	Grab	Comp.	Collection		Sample Matrix	Lab ID No.							
					Date	Time									
1	SEGMENT 9	ALLUVIUM & BRICK FILL		X	5/2	11:20A	SOIL	-1	3	✓	✓	✓			
2	SEGMENT 10	ALLUVIUM BACK FILL		X	5/2	11:25A	SOIL	-2	3	✓	✓	✓			
3	SEGMENT 11	ASH & SOME ALLUVIUM		X	5/2	11:35A	SOIL	-3	3	✓	✓	✓			
4	SEGMENT 12	ASH & FILL		X	5/2	11:42A	SOIL	-4	3	✓	✓	✓			
5	SEGMENT 13	ASH & FILL		X	5/2	11:52A	SOIL	-5	3	✓	✓	✓			
6	SEGMENT 14	ASH / FILL / & ALLUVIUM		X	5/2	12:05P	SOIL	-6	3	✓	✓	✓			
7	SEGMENT 15	ALLUVIUM & ASH		X	5/2	12:15P	SOIL	-7	3	✓	✓	✓			
8															
9															
10															
Sample Collector (please print): S. PETER			Item No.	Relinquished By: 	Date: 5/2/06	Time: 2:45 PM	Accepted By:		Date:	Time:					
Comments:			Item No.	Relinquished By:	Date:	Time:	Received By Lab: VICTOR VAKOUC		Date: 5-2-06	Time: 14:15					

PLEASE REVIEW TERMS AND CONDITIONS ON BACK BEFORE SIGNING
 White Copy - Original Accompanies Shipment to Lab Yellow Copy - Lab Pink Copy - Customer or Field Copy

Jeff

APPENDIX C
DISPOSAL SUMMARY DOCUMENTS

Progress Billing Invoice

From: Belair Builders, Inc
 2200 Old Highway 8 NW
 New Brighton, MN 55112

Invoice #: 3223

Date: 04/30/06

Application #: 1

To: HENNEPIN COUNTY P & TCS
 Chandler Taylor c/o Earthtech
 3033 Campus Drive North, Suite 290
 Minneapolis, MN 55441

Customer Reference: 2049A - PO #122622

Invoice Due Date: 05/30/06

Payment Terms: NET 30



Contract: 40009- Response Action Soil Removal

Cont Item	Description	Contract Amount	Contract Quantity	Quantity This Period	Quantity JTD	U/M	Unit Price	Amount This Period	Amount To-Date	% Compl
1	Plans, Permits, and Contract Administration	2,438.00	0.000	0.000	0.000	LS	0.00000	2,438.00	2,438.00	100.00%
2	Initial Mobilization And Site Preperation	6,333.00	0.000	0.000	0.000	LS	0.00000	6,333.00	6,333.00	100.00%
3	Asphalt Removal & Disposal	4,145.00	500.000	0.000	0.000	TON	8.29000	0.00	0.00	0.00%
4	Concrete Removal & Disposal	1,658.00	200.000	10.930	10.930	TON	8.29000	90.61	90.61	5.47%
5	Ash Excavation, Transportation, And Disposal	37,128.00	1,560.000	5,678.200	5,678.200	TON	23.80000	135,141.16	135,141.16	363.99%
6	Blue Soil Excavation/ Staging	872.00	80.000	27.160	27.160	TON	10.90000	296.04	296.04	33.95%
7	Blue Soil Transportation/Disposal (Hazardous)	2,550.00	40.000	0.000	0.000	TON	63.75000	0.00	0.00	0.00%
8	Blue Soil Transportation/Disposal (NON-Hazardous)	1,292.00	40.000	27.160	27.160	TON	32.30000	877.27	877.27	67.90%
9	Grading	3,210.00	0.000	0.000	0.000	LS	0.00000	3,210.00	3,210.00	100.00%
10	Fencing	888.00	0.000	0.000	0.000	LS	0.00000	0.00	0.00	0.00%
11	Demobilization	350.00	0.000	0.000	0.000	LS	0.00000	350.00	350.00	100.00%

Contract:	2049A6-232
Release #:	
Vendor#:	
Fund#:	85
Account#:	52125
Center#:	830005
Proj#:	73-24030
Desc:	Clean-up - Parcel E
Supervisor App:	
Contact:	

Total Billed To Date: 148,736.08
Less Retainage: 14,873.61
Less Previous Applications: 0.00
Total Due This Invoice: 133,862.47

OK *[Signature]*

5/16/06

CONTRACT ACTIVITY REPORT
 From: Apr 24, 2006 To: Apr 24, 2006
 Specified Contract: 06013837A

Facility: All Facilities

DETAILED REPORT

Ticket Type: All Ticket Types

Ticket Date	Ticket Number	Customer	Material	Billing Quantity	Minimum Quantity	Maximum Quantity
06013837A						
24 Apr 06	207377-00	000128-0063 -	BELAIR/HEN C-Soil 37A	26.15 TN	0.00	0.00
24 Apr 06	207378-00	000128-0063 -	BELAIR/HEN C-Soil 37A	23.71 TN	0.00	0.00
24 Apr 06	207381-00	000128-0063 -	BELAIR/HEN C-Soil 37A	24.53 TN	0.00	0.00
24 Apr 06	207385-00	000128-0063 -	BELAIR/HEN C-Soil 37A	24.53 TN	0.00	0.00
24 Apr 06	207396-00	000128-0063 -	BELAIR/HEN C-Soil 37A	25.43 TN	0.00	0.00
24 Apr 06	207398-00	000128-0063 -	BELAIR/HEN C-Soil 37A	24.10 TN	0.00	0.00
24 Apr 06	207399-00	000128-0063 -	BELAIR/HEN C-Soil 37A	24.76 TN	0.00	0.00
24 Apr 06	207403-00	000128-0063 -	BELAIR/HEN C-Soil 37A	24.86 TN	0.00	0.00
24 Apr 06	207417-00	000128-0063 -	BELAIR/HEN C-Soil 37A	23.89 TN	0.00	0.00
24 Apr 06	207419-00	000128-0063 -	BELAIR/HEN C-Soil 37A	24.84 TN	0.00	0.00
24 Apr 06	207426-00	000128-0063 -	BELAIR/HEN C-Soil 37A	25.19 TN	0.00	0.00
24 Apr 06	207429-00	000128-0063 -	BELAIR/HEN C-Soil 37A	22.23 TN	0.00	0.00
24 Apr 06	207435-00	000128-0063 -	BELAIR/HEN C-Soil 37A	26.52 TN	0.00	0.00
24 Apr 06	207438-00	000128-0063 -	BELAIR/HEN C-Soil 37A	24.44 TN	0.00	0.00
24 Apr 06	207445-00	000128-0063 -	BELAIR/HEN C-Soil 37A	26.09 TN	0.00	0.00
24 Apr 06	207447-00	000128-0063 -	BELAIR/HEN C-Soil 37A	21.62 TN	0.00	0.00
24 Apr 06	207462-00	000128-0063 -	BELAIR/HEN C-Soil 37A	25.16 TN	0.00	0.00
24 Apr 06	207467-00	000128-0063 -	BELAIR/HEN C-Soil 37A	24.92 TN	0.00	0.00
24 Apr 06	207472-00	000128-0063 -	BELAIR/HEN C-Soil 37A	24.28 TN	0.00	0.00
24 Apr 06	207475-00	000128-0063 -	BELAIR/HEN C-Soil 37A	20.30 TN	0.00	0.00
24 Apr 06	207476-00	000128-0063 -	BELAIR/HEN C-Soil 37A	24.36 TN	0.00	0.00
24 Apr 06	207479-00	000128-0063 -	BELAIR/HEN C-Soil 37A	25.25 TN	0.00	0.00
24 Apr 06	207489-00	000128-0063 -	BELAIR/HEN C-Soil 37A	24.77 TN	0.00	0.00
24 Apr 06	207492-00	000128-0063 -	BELAIR/HEN C-Soil 37A	21.71 TN	0.00	0.00
24 Apr 06	207508-00	000128-0063 -	BELAIR/HEN C-Soil 37A	24.91 TN	0.00	0.00
24 Apr 06	207509-00	000128-0063 -	BELAIR/HEN C-Soil 37A	26.63 TN	0.00	0.00
24 Apr 06	207513-00	000128-0063 -	BELAIR/HEN C-Soil 37A	24.39 TN	0.00	0.00
24 Apr 06	207515-00	000128-0063 -	BELAIR/HEN C-Soil 37A	25.54 TN	0.00	0.00
24 Apr 06	207521-00	000128-0063 -	BELAIR/HEN C-Soil 37A	25.79 TN	0.00	0.00
24 Apr 06	207523-00	000128-0063 -	BELAIR/HEN C-Soil 37A	25.67 TN	0.00	0.00
24 Apr 06	207532-00	000128-0063 -	BELAIR/HEN C-Soil 37A	26.08 TN	0.00	0.00
24 Apr 06	207534-00	000128-0063 -	BELAIR/HEN C-Soil 37A	27.83 TN	0.00	0.00

CONTRACT TOTALS :

Material Summary	Inbound		Outbound		Billing Quantity	Contract Ordered	Ordered Variance
	Weight	Volume	Weight	Volume			
C1 - C-Soil 37A	789.48 TN	0.00 YD	0.00 TN	0.00 YD	789.48 TN	0.00	789.48

CONTRACT ACTIVITY REPORT
 From: Apr 25, 2006 To: Apr 25, 2006
 Specified Contract 06013837A

Facility: All Facilities

DETAILED REPORT

Ticket Type: All Ticket Types

Ticket Date	Ticket Number	Customer	Material	Billing Quantity	Minimum Quantity	Maximum Quantity
06013837A						
25 Apr 06	207563-00	000128-0063 -	BELAIR/HEN C-Soil 37A	25.50 TN	0.00	0.00
25 Apr 06	207564-00	000128-0063 -	BELAIR/HEN C-Soil 37A	25.42 TN	0.00	0.00
25 Apr 06	207574-00	000128-0063 -	BELAIR/HEN C-Soil 37A	26.57 TN	0.00	0.00
25 Apr 06	207576-00	000128-0063 -	BELAIR/HEN C-Soil 37A	25.58 TN	0.00	0.00
25 Apr 06	207578-00	000128-0063 -	BELAIR/HEN C-Soil 37A	23.38 TN	0.00	0.00
25 Apr 06	207586-00	000128-0063 -	BELAIR/HEN C-Soil 37A	26.00 TN	0.00	0.00
25 Apr 06	207587-00	000128-0063 -	BELAIR/HEN C-Soil 37A	25.66 TN	0.00	0.00
25 Apr 06	207594-00	000128-0063 -	BELAIR/HEN C-Soil 37A	24.72 TN	0.00	0.00
25 Apr 06	207596-00	000128-0063 -	BELAIR/HEN C-Soil 37A	24.14 TN	0.00	0.00
25 Apr 06	207598-00	000128-0063 -	BELAIR/HEN C-Soil 37A	21.00 TN	0.00	0.00
25 Apr 06	207602-00	000128-0063 -	BELAIR/HEN C-Soil 37A	25.68 TN	0.00	0.00
25 Apr 06	207603-00	000128-0063 -	BELAIR/HEN C-Soil 37A	24.83 TN	0.00	0.00
25 Apr 06	207619-00	000128-0063 -	BELAIR/HEN C-Soil 37A	25.14 TN	0.00	0.00
25 Apr 06	207620-00	000128-0063 -	BELAIR/HEN C-Soil 37A	24.39 TN	0.00	0.00
25 Apr 06	207633-00	000128-0063 -	BELAIR/HEN C-Soil 37A	27.28 TN	0.00	0.00
25 Apr 06	207634-00	000128-0063 -	BELAIR/HEN C-Soil 37A	25.04 TN	0.00	0.00
25 Apr 06	207636-00	000128-0063 -	BELAIR/HEN C-Soil 37A	26.47 TN	0.00	0.00
25 Apr 06	207638-00	000128-0063 -	BELAIR/HEN C-Soil 37A	26.77 TN	0.00	0.00
25 Apr 06	207639-00	000128-0063 -	BELAIR/HEN C-Soil 37A	25.49 TN	0.00	0.00
25 Apr 06	207644-00	000128-0063 -	BELAIR/HEN C-Soil 37A	26.31 TN	0.00	0.00
25 Apr 06	207650-00	000128-0063 -	BELAIR/HEN C-Soil 37A	25.70 TN	0.00	0.00
25 Apr 06	207653-00	000128-0063 -	BELAIR/HEN C-Soil 37A	22.39 TN	0.00	0.00
25 Apr 06	207657-00	000128-0063 -	BELAIR/HEN C-Soil 37A	22.29 TN	0.00	0.00
25 Apr 06	207658-00	000128-0063 -	BELAIR/HEN C-Soil 37A	25.43 TN	0.00	0.00
25 Apr 06	207672-00	000128-0063 -	BELAIR/HEN C-Soil 37A	24.93 TN	0.00	0.00
25 Apr 06	207673-00	000128-0063 -	BELAIR/HEN C-Soil 37A	25.40 TN	0.00	0.00
25 Apr 06	207678-00	000128-0063 -	BELAIR/HEN C-Soil 37A	26.23 TN	0.00	0.00
25 Apr 06	207680-00	000128-0063 -	BELAIR/HEN C-Soil 37A	25.76 TN	0.00	0.00
25 Apr 06	207682-00	000128-0063 -	BELAIR/HEN C-Soil 37A	25.42 TN	0.00	0.00
25 Apr 06	207684-00	000128-0063 -	BELAIR/HEN C-Soil 37A	25.96 TN	0.00	0.00
25 Apr 06	207687-00	000128-0063 -	BELAIR/HEN C-Soil 37A	21.88 TN	0.00	0.00
25 Apr 06	207693-00	000128-0063 -	BELAIR/HEN C-Soil 37A	25.78 TN	0.00	0.00
25 Apr 06	207701-00	000128-0063 -	BELAIR/HEN C-Soil 37A	25.25 TN	0.00	0.00
25 Apr 06	207706-00	000128-0063 -	BELAIR/HEN C-Soil 37A	25.31 TN	0.00	0.00
25 Apr 06	207710-00	000128-0063 -	BELAIR/HEN C-Soil 37A	25.12 TN	0.00	0.00
25 Apr 06	207713-00	000128-0063 -	BELAIR/HEN C-Soil 37A	24.33 TN	0.00	0.00
25 Apr 06	207728-00	000128-0063 -	BELAIR/HEN C-Soil 37A	25.01 TN	0.00	0.00
25 Apr 06	207730-00	000128-0063 -	BELAIR/HEN C-Soil 37A	24.54 TN	0.00	0.00
25 Apr 06	207735-00	000128-0063 -	BELAIR/HEN C-Soil 37A	25.98 TN	0.00	0.00
25 Apr 06	207740-00	000128-0063 -	BELAIR/HEN C-Soil 37A	25.54 TN	0.00	0.00
25 Apr 06	207742-00	000128-0063 -	BELAIR/HEN C-Soil 37A	25.14 TN	0.00	0.00
25 Apr 06	207744-00	000128-0063 -	BELAIR/HEN C-Soil 37A	25.38 TN	0.00	0.00
25 Apr 06	207746-00	000128-0063 -	BELAIR/HEN C-Soil 37A	27.46 TN	0.00	0.00
25 Apr 06	207752-00	000128-0063 -	BELAIR/HEN C-Soil 37A	26.09 TN	0.00	0.00
25 Apr 06	207756-00	000128-0063 -	BELAIR/HEN C-Soil 37A	25.22 TN	0.00	0.00
25 Apr 06	207758-00	000128-0063 -	BELAIR/HEN C-Soil 37A	24.24 TN	0.00	0.00
25 Apr 06	207761-00	000128-0063 -	BELAIR/HEN C-Soil 37A	23.13 TN	0.00	0.00
25 Apr 06	207762-00	000128-0063 -	BELAIR/HEN C-Soil 37A	23.65 TN	0.00	0.00

CONTRACT ACTIVITY REPORT
 From: Apr 25, 2006 To: Apr 25, 2006
 Specified Contract: 06013837A

Facility: All Facilities

DETAILED REPORT

Ticket Type: All Ticket Types

Ticket Date	Ticket Number	Customer	Material	Billing Quantity	Minimum Quantity	Maximum Quantity
25 Apr 06	207781-00	000128-0063 -	BELAIR/HEN C-Soil 37A	25.31 TN	0.00	0.00
25 Apr 06	207782-00	000128-0063 -	BELAIR/HEN C-Soil 37A	27.01 TN	0.00	0.00
25 Apr 06	207789-00	000128-0063 -	BELAIR/HEN C-Soil 37A	27.09 TN	0.00	0.00
25 Apr 06	207793-00	000128-0063 -	BELAIR/HEN C-Soil 37A	25.64 TN	0.00	0.00
25 Apr 06	207797-00	000128-0063 -	BELAIR/HEN C-Soil 37A	25.89 TN	0.00	0.00
25 Apr 06	207798-00	000128-0063 -	BELAIR/HEN C-Soil 37A	25.26 TN	0.00	0.00
25 Apr 06	207799-00	000128-0063 -	BELAIR/HEN C-Soil 37A	24.16 TN	0.00	0.00
25 Apr 06	207805-00	000128-0063 -	BELAIR/HEN C-Soil 37A	25.25 TN	0.00	0.00

CONTRACT TOTALS :

Material Summary	Weight	Inbound Volume	Weight	Outbound Volume	Billing Quantity	Contract Ordered	Ordered Variance
C1 - C-Soil 37A	1,409.52 TN	0.00 YD	0.00 TN	0.00 YD	1,409.52 TN	0.00	1,409.52

CONTRACT ACTIVITY REPORT
 From: Apr 25, 2006 To: Apr 25, 2006
 Specified Contract: 06013637A

Facility: All Facilities

DETAILED REPORT

Ticket Type: All Ticket Types

Material	Weight	Inbound Volume	Weight	Outbound Volume	Billing Quantity	Contract Ordered	Ordered Variance	Total
*** REPORT MATERIAL SUMMARY ***								
C1 - C-Soil 37A	1,409.52 TN	0.00 YD	0.00 TN	0.00 YD	1,409.52 TN	0.00	1,409.52	
TOTALS	1,409.52 TN	0.00 YD	0.00 TN	0.00 YD				

CONTRACT ACTIVITY REPORT
From: Apr 25, 2006 To: Apr 25, 2006
Specified Contract: 06013837A

*** REPORT SUMMARY ***

Total Tickets	56
Total Weight	1,409.52 TN

CONTRACT ACTIVITY REPORT
 From: Apr 26, 2006 To: Apr 26, 2006
 Specified Contract: 06013837A

Facility: All Facilities

DETAILED REPORT

Ticket Type: All Ticket Types

Ticket Date	Ticket Number	Customer	Material	Billing Quantity	Minimum Quantity	Maximum Quantity
06013837A						
26 Apr 06	207813-00	000128-0063 -	BELAIR/HEN C-Soil 37A	25.54 TN	0.00	0.00
26 Apr 06	207817-00	000128-0063 -	BELAIR/HEN C-Soil 37A	26.71 TN	0.00	0.00
26 Apr 06	207820-00	000128-0063 -	BELAIR/HEN C-Soil 37A	26.01 TN	0.00	0.00
26 Apr 06	207821-00	000128-0063 -	BELAIR/HEN C-Soil 37A	25.41 TN	0.00	0.00
26 Apr 06	207822-00	000128-0063 -	BELAIR/HEN C-Soil 37A	23.29 TN	0.00	0.00
26 Apr 06	207826-00	000128-0063 -	BELAIR/HEN C-Soil 37A	23.09 TN	0.00	0.00
26 Apr 06	207827-00	000128-0063 -	BELAIR/HEN C-Soil 37A	24.89 TN	0.00	0.00
26 Apr 06	207835-00	000128-0063 -	BELAIR/HEN C-Soil 37A	25.90 TN	0.00	0.00
26 Apr 06	207838-00	000128-0063 -	BELAIR/HEN C-Soil 37A	25.85 TN	0.00	0.00
26 Apr 06	207841-00	000128-0063 -	BELAIR/HEN C-Soil 37A	26.62 TN	0.00	0.00
26 Apr 06	207845-00	000128-0063 -	BELAIR/HEN C-Soil 37A	28.16 TN	0.00	0.00
26 Apr 06	207849-00	000128-0063 -	BELAIR/HEN C-Soil 37A	25.76 TN	0.00	0.00
26 Apr 06	207851-00	000128-0063 -	BELAIR/HEN C-Soil 37A	24.53 TN	0.00	0.00
26 Apr 06	207878-00	000128-0063 -	BELAIR/HEN C-Soil 37A	24.71 TN	0.00	0.00
26 Apr 06	207880-00	000128-0063 -	BELAIR/HEN C-Soil 37A	24.00 TN	0.00	0.00
26 Apr 06	207881-00	000128-0063 -	BELAIR/HEN C-Soil 37A	26.11 TN	0.00	0.00
26 Apr 06	207883-00	000128-0063 -	BELAIR/HEN C-Soil 37A	24.44 TN	0.00	0.00
26 Apr 06	207884-00	000128-0063 -	BELAIR/HEN C-Soil 37A	24.66 TN	0.00	0.00
26 Apr 06	207887-00	000128-0063 -	BELAIR/HEN C-Soil 37A	26.34 TN	0.00	0.00
26 Apr 06	207888-00	000128-0063 -	BELAIR/HEN C-Soil 37A	25.99 TN	0.00	0.00
26 Apr 06	207896-00	000128-0063 -	BELAIR/HEN C-Soil 37A	24.95 TN	0.00	0.00
26 Apr 06	207899-00	000128-0063 -	BELAIR/HEN C-Soil 37A	24.80 TN	0.00	0.00
26 Apr 06	207906-00	000128-0063 -	BELAIR/HEN C-Soil 37A	26.66 TN	0.00	0.00
26 Apr 06	207912-00	000128-0063 -	BELAIR/HEN C-Soil 37A	19.25 TN	0.00	0.00
26 Apr 06	207920-00	000128-0063 -	BELAIR/HEN C-Soil 37A	26.19 TN	0.00	0.00
26 Apr 06	207922-00	000128-0063 -	BELAIR/HEN C-Soil 37A	24.60 TN	0.00	0.00
26 Apr 06	207940-00	000128-0063 -	BELAIR/HEN C-Soil 37A	25.23 TN	0.00	0.00
26 Apr 06	207943-00	000128-0063 -	BELAIR/HEN C-Soil 37A	24.38 TN	0.00	0.00
26 Apr 06	207946-00	000128-0063 -	BELAIR/HEN C-Soil 37A	25.24 TN	0.00	0.00
26 Apr 06	207948-00	000128-0063 -	BELAIR/HEN C-Soil 37A	27.10 TN	0.00	0.00
26 Apr 06	207952-00	000128-0063 -	BELAIR/HEN C-Soil 37A	25.39 TN	0.00	0.00
26 Apr 06	207955-00	000128-0063 -	BELAIR/HEN C-Soil 37A	24.84 TN	0.00	0.00
26 Apr 06	207957-00	000128-0063 -	BELAIR/HEN C-Soil 37A	25.25 TN	0.00	0.00
26 Apr 06	207959-00	000128-0063 -	BELAIR/HEN C-Soil 37A	26.29 TN	0.00	0.00
26 Apr 06	207965-00	000128-0063 -	BELAIR/HEN C-Soil 37A	22.84 TN	0.00	0.00
26 Apr 06	207976-00	000128-0063 -	BELAIR/HEN C-Soil 37A	22.83 TN	0.00	0.00
26 Apr 06	207984-00	000128-0063 -	BELAIR/HEN C-Soil 37A	23.61 TN	0.00	0.00
26 Apr 06	207986-00	000128-0063 -	BELAIR/HEN C-Soil 37A	24.92 TN	0.00	0.00
26 Apr 06	208006-00	000128-0063 -	BELAIR/HEN C-Soil 37A	24.95 TN	0.00	0.00
26 Apr 06	208007-00	000128-0063 -	BELAIR/HEN C-Soil 37A	24.19 TN	0.00	0.00
26 Apr 06	208010-00	000128-0063 -	BELAIR/HEN C-Soil 37A	24.88 TN	0.00	0.00
26 Apr 06	208017-00	000128-0063 -	BELAIR/HEN C-Soil 37A	26.31 TN	0.00	0.00
26 Apr 06	208022-00	000128-0063 -	BELAIR/HEN C-Soil 37A	21.55 TN	0.00	0.00
26 Apr 06	208030-00	000128-0063 -	BELAIR/HEN C-Soil 37A	28.04 TN	0.00	0.00
26 Apr 06	208032-00	000128-0063 -	BELAIR/HEN C-Soil 37A	25.21 TN	0.00	0.00
26 Apr 06	208033-00	000128-0063 -	BELAIR/HEN C-Soil 37A	26.15 TN	0.00	0.00
26 Apr 06	208036-00	000128-0063 -	BELAIR/HEN C-Soil 37A	20.73 TN	0.00	0.00
26 Apr 06	208041-00	000128-0063 -	BELAIR/HEN C-Soil 37A	26.94 TN	0.00	0.00

CONTRACT ACTIVITY REPORT
 From: Apr 26, 2006 To: Apr 26, 2006
 Specified Contract: 06013837A

Facility: All Facilities

DETAILED REPORT

Ticket Type: All Ticket Types

Ticket Date	Ticket Number	Customer	Material	Billing Quantity	Minimum Quantity	Maximum Quantity
26 Apr 06	208047-00	000128-0063 -	BELAIR/HEN C-Soil 37A	25.14 TN	0.00	0.00
26 Apr 06	208051-00	000128-0063 -	BELAIR/HEN C-Soil 37A	27.38 TN	0.00	0.00
26 Apr 06	208055-00	000128-0063 -	BELAIR/HEN C-Soil 37A	23.47 TN	0.00	0.00
26 Apr 06	208057-00	000128-0063 -	BELAIR/HEN C-Soil 37A	22.61 TN	0.00	0.00
26 Apr 06	208063-00	000128-0063 -	BELAIR/HEN C-Soil 37A	23.60 TN	0.00	0.00
26 Apr 06	208075-00	000128-0063 -	BELAIR/HEN C-Soil 37A	24.52 TN	0.00	0.00
26 Apr 06	208076-00	000128-0063 -	BELAIR/HEN C-Soil 37A	25.67 TN	0.00	0.00
26 Apr 06	208083-00	000128-0063 -	BELAIR/HEN C-Soil 37A	25.45 TN	0.00	0.00
26 Apr 06	208087-00	000128-0063 -	BELAIR/HEN C-Soil 37A	25.05 TN	0.00	0.00
26 Apr 06	208089-00	000128-0063 -	BELAIR/HEN C-Soil 37A	26.30 TN	0.00	0.00
26 Apr 06	208092-00	000128-0063 -	BELAIR/HEN C-Soil 37A	25.42 TN	0.00	0.00
26 Apr 06	208094-00	000128-0063 -	BELAIR/HEN C-Soil 37A	25.61 TN	0.00	0.00
26 Apr 06	208095-00	000128-0063 -	BELAIR/HEN C-Soil 37A	24.80 TN	0.00	0.00
26 Apr 06	208105-00	000128-0063 -	BELAIR/HEN C-Soil 37A	26.80 TN	0.00	0.00

CONTRACT TOTALS :

Material Summary	Weight	Inbound Volume	Weight	Outbound Volume	Billing Quantity	Contract Ordered	Ordered Variance
C1 - C-Soil 37A	1,553.15 TN	0.00 YD	0.00 TN	0.00 YD	1,553.15 TN	0.00	1,553.15

CONTRACT ACTIVITY REPORT
 From: Apr 27, 2006 To: Apr 27, 2006
 Specified Contract: D6013837A

Facility: All Facilities

DETAILED REPORT

Ticket Type: All Ticket Types

Ticket Date	Ticket Number	Customer	Material	Billing Quantity	Minimum Quantity	Maximum Quantity
06013837A						
27 Apr 06	208111-00	000128-0063 -	BELAIR/HEN C-Soil 37A	23.64 TN	0.00	0.00
27 Apr 06	208112-00	000128-0063 -	BELAIR/HEN C-Soil 37A	20.98 TN	0.00	0.00
27 Apr 06	208121-00	000128-0063 -	BELAIR/HEN C-Soil 37A	25.02 TN	0.00	0.00
27 Apr 06	208125-00	000128-0063 -	BELAIR/HEN C-Soil 37A	25.44 TN	0.00	0.00
27 Apr 06	208129-00	000128-0063 -	BELAIR/HEN C-Soil 37A	25.96 TN	0.00	0.00
27 Apr 06	208133-00	000128-0063 -	BELAIR/HEN C-Soil 37A	25.90 TN	0.00	0.00
27 Apr 06	208134-00	000128-0063 -	BELAIR/HEN C-Soil 37A	25.73 TN	0.00	0.00
27 Apr 06	208135-00	000128-0063 -	BELAIR/HEN C-Soil 37A	25.22 TN	0.00	0.00
27 Apr 06	208140-00	000128-0063 -	BELAIR/HEN C-Soil 37A	25.38 TN	0.00	0.00
27 Apr 06	208147-00	000128-0063 -	BELAIR/HEN C-Soil 37A	25.39 TN	0.00	0.00
27 Apr 06	208152-00	000128-0063 -	BELAIR/HEN C-Soil 37A	25.75 TN	0.00	0.00
27 Apr 06	208153-00	000128-0063 -	BELAIR/HEN C-Soil 37A	23.69 TN	0.00	0.00
27 Apr 06	208176-00	000128-0063 -	BELAIR/HEN C-Soil 37A	24.87 TN	0.00	0.00
27 Apr 06	208182-00	000128-0063 -	BELAIR/HEN C-Soil 37A	23.34 TN	0.00	0.00
27 Apr 06	208186-00	000128-0063 -	BELAIR/HEN C-Soil 37A	25.89 TN	0.00	0.00
27 Apr 06	208190-00	000128-0063 -	BELAIR/HEN C-Soil 37A	24.63 TN	0.00	0.00
27 Apr 06	208192-00	000128-0063 -	BELAIR/HEN C-Soil 37A	25.49 TN	0.00	0.00
27 Apr 06	208196-00	000128-0063 -	BELAIR/HEN C-Soil 37A	24.90 TN	0.00	0.00
27 Apr 06	208197-00	000128-0063 -	BELAIR/HEN C-Soil 37A	26.15 TN	0.00	0.00
27 Apr 06	208199-00	000128-0063 -	BELAIR/HEN C-Soil 37A	25.38 TN	0.00	0.00
27 Apr 06	208202-00	000128-0063 -	BELAIR/HEN C-Soil 37A	24.53 TN	0.00	0.00
27 Apr 06	208203-00	000128-0063 -	BELAIR/HEN C-Soil 37A	25.95 TN	0.00	0.00
27 Apr 06	208204-00	000128-0063 -	BELAIR/HEN C-Soil 37A	24.83 TN	0.00	0.00
27 Apr 06	208209-00	000128-0063 -	BELAIR/HEN C-Soil 37A	24.25 TN	0.00	0.00
27 Apr 06	208239-00	000128-0063 -	BELAIR/HEN C-Soil 37A	24.05 TN	0.00	0.00
27 Apr 06	208242-00	000128-0063 -	BELAIR/HEN C-Soil 37A	24.64 TN	0.00	0.00
27 Apr 06	208244-00	000128-0063 -	BELAIR/HEN C-Soil 37A	25.26 TN	0.00	0.00
27 Apr 06	208248-00	000128-0063 -	BELAIR/HEN C-Soil 37A	22.44 TN	0.00	0.00
27 Apr 06	208250-00	000128-0063 -	BELAIR/HEN C-Soil 37A	22.54 TN	0.00	0.00
27 Apr 06	208252-00	000128-0063 -	BELAIR/HEN C-Soil 37A	26.40 TN	0.00	0.00
27 Apr 06	208255-00	000128-0063 -	BELAIR/HEN C-Soil 37A	24.68 TN	0.00	0.00
27 Apr 06	208257-00	000128-0063 -	BELAIR/HEN C-Soil 37A	25.53 TN	0.00	0.00
27 Apr 06	208262-00	000128-0063 -	BELAIR/HEN C-Soil 37A	26.21 TN	0.00	0.00
27 Apr 06	208263-00	000128-0063 -	BELAIR/HEN C-Soil 37A	26.02 TN	0.00	0.00
27 Apr 06	208266-00	000128-0063 -	BELAIR/HEN C-Soil 37A	25.45 TN	0.00	0.00
27 Apr 06	208269-00	000128-0063 -	BELAIR/HEN C-Soil 37A	23.55 TN	0.00	0.00
27 Apr 06	208271-00	000128-0063 -	BELAIR/HEN C-Soil 37A	26.32 TN	0.00	0.00
27 Apr 06	208272-00	000128-0063 -	BELAIR/HEN C-Soil 37A	24.41 TN	0.00	0.00
27 Apr 06	208275-00	000128-0063 -	BELAIR/HEN C-Soil 37A	24.31 TN	0.00	0.00
27 Apr 06	208299-00	000128-0063 -	BELAIR/HEN C-Soil 37A	24.09 TN	0.00	0.00
27 Apr 06	208306-00	000128-0063 -	BELAIR/HEN C-Soil 37A	26.64 TN	0.00	0.00
27 Apr 06	208308-00	000128-0063 -	BELAIR/HEN C-Soil 37A	25.35 TN	0.00	0.00
27 Apr 06	208309-00	000128-0063 -	BELAIR/HEN C-Soil 37A	28.83 TN	0.00	0.00
27 Apr 06	208312-00	000128-0063 -	BELAIR/HEN C-Soil 37A	24.41 TN	0.00	0.00
27 Apr 06	208313-00	000128-0063 -	BELAIR/HEN C-Soil 37A	26.40 TN	0.00	0.00
27 Apr 06	208318-00	000128-0063 -	BELAIR/HEN C-Soil 37A	22.01 TN	0.00	0.00
27 Apr 06	208320-00	000128-0063 -	BELAIR/HEN C-Soil 37A	25.40 TN	0.00	0.00
27 Apr 06	208321-00	000128-0063 -	BELAIR/HEN C-Soil 37A	25.95 TN	0.00	0.00

CONTRACT ACTIVITY REPORT
 From: Apr 27, 2006 To: Apr 27, 2006
 Specified Contract: 06013837A

Facility: All Facilities

DETAILED REPORT

Ticket Type: All Ticket Types

Ticket Date	Ticket Number	Customer	Material	Billing Quantity	Minimum Quantity	Maximum Quantity
27 Apr 06	208323-00	000128-0063 -	BELAIR/HEN C-Soil 37A	23.74 TN	0.00	0.00
27 Apr 06	208327-00	000128-0063 -	BELAIR/HEN C-Soil 37A	22.72 TN	0.00	0.00
27 Apr 06	208328-00	000128-0063 -	BELAIR/HEN C-Soil 37A	26.41 TN	0.00	0.00
27 Apr 06	208330-00	000128-0063 -	BELAIR/HEN C-Soil 37A	25.01 TN	0.00	0.00
27 Apr 06	208334-00	000128-0063 -	BELAIR/HEN C-Soil 37A	25.49 TN	0.00	0.00
27 Apr 06	208338-00	000128-0063 -	BELAIR/HEN C-Soil 37A	24.98 TN	0.00	0.00
27 Apr 06	208359-00	000128-0063 -	BELAIR/HEN C-Soil 37A	24.89 TN	0.00	0.00
27 Apr 06	208369-00	000128-0063 -	BELAIR/HEN C-Soil 37A	25.19 TN	0.00	0.00
27 Apr 06	208371-00	000128-0063 -	BELAIR/HEN C-Soil 37A	21.29 TN	0.00	0.00
27 Apr 06	208373-00	000128-0063 -	BELAIR/HEN C-Soil 37A	26.01 TN	0.00	0.00
27 Apr 06	208374-00	000128-0063 -	BELAIR/HEN C-Soil 37A	25.60 TN	0.00	0.00
27 Apr 06	208375-00	000128-0063 -	BELAIR/HEN C-Soil 37A	25.59 TN	0.00	0.00
27 Apr 06	208381-00	000128-0063 -	BELAIR/HEN C-Soil 37A	22.66 TN	0.00	0.00
27 Apr 06	208383-00	000128-0063 -	BELAIR/HEN C-Soil 37A	26.67 TN	0.00	0.00
27 Apr 06	208384-00	000128-0063 -	BELAIR/HEN C-Soil 37A	25.92 TN	0.00	0.00
27 Apr 06	208385-00	000128-0063 -	BELAIR/HEN C-Soil 37A	26.15 TN	0.00	0.00
27 Apr 06	208388-00	000128-0063 -	BELAIR/HEN C-Soil 37A	25.22 TN	0.00	0.00
27 Apr 06	208390-00	000128-0063 -	BELAIR/HEN C-Soil 37A	24.59 TN	0.00	0.00
27 Apr 06	208395-00	000128-0063 -	BELAIR/HEN C-Soil 37A	23.27 TN	0.00	0.00
27 Apr 06	208397-00	000128-0063 -	BELAIR/HEN C-Soil 37A	23.56 TN	0.00	0.00

CONTRACT TOTALS :

Material Summary	Inbound		Outbound		Billing Quantity	Contract Ordered	Ordered Variance
	Weight	Volume	Weight	Volume			
C1 - C-Soil 37A	1,695.16 TN	0.00 YD	0.00 TN	0.00 YD	1,695.16 TN	0.00	1,695.16

CONTRACT ACTIVITY REPORT
 From: Apr 28, 2006 To: Apr 28, 2006
 Specified Contract: 06013837A

Facility: All Facilities

DETAILED REPORT

Ticket Type: All Ticket Types

Ticket Date	Ticket Number	Customer	Material	Billing Quantity	Minimum Quantity	Maximum Quantity
D6013837A						
28 Apr 06	208418-00	000128-0063 -	BELAIR/HEN C-Soil 37A	26.62 TN	0.00	0.00
28 Apr 06	208424-00	000128-0063 -	BELAIR/HEN C-Soil 37A	25.23 TN	0.00	0.00
28 Apr 06	208425-00	000128-0063 -	BELAIR/HEN C-Soil 37A	25.76 TN	0.00	0.00
28 Apr 06	208428-00	000128-0063 -	BELAIR/HEN C-Soil 37A	25.81 TN	0.00	0.00
28 Apr 06	208438-00	000128-0063 -	BELAIR/HEN C-Soil 37A	26.93 TN	0.00	0.00
28 Apr 06	208453-00	000128-0063 -	BELAIR/HEN C-Soil 37A	24.50 TN	0.00	0.00
28 Apr 06	208485-00	000128-0063 -	BELAIR/HEN C-Soil 37A	24.59 TN	0.00	0.00
28 Apr 06	208501-00	000128-0063 -	BELAIR/HEN C-Soil 37A	25.84 TN	0.00	0.00
28 Apr 06	208507-00	000128-0063 -	BELAIR/HEN C-Soil 37A	25.61 TN	0.00	0.00

CONTRACT TOTALS :

Material Summary	Inbound		Outbound		Billing Quantity	Contract Ordered	Ordered Variance
	Weight	Volume	Weight	Volume			
G1 - C-Soil 37A	230.89 TN	0.00 YD	0.00 TN	0.00 YD	230.89 TN	0.00	230.89

CONTRACT ACTIVITY REPORT
 From: May 02, 2006 To: May 02, 2006
 Specified Contract: 06013837A

Facility: All Facilities

DETAILED REPORT

Ticket Type: All Ticket Types

Ticket Date	Ticket Number	Customer	Material	Billing Quantity	Minimum Quantity	Maximum Quantity
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06013837A

2 May 06	208907-00	000128-0063 - BELAIR/HEN	C-Soil 37A <i>BLUE SOIL</i>	27.16 TN	0.00	0.00
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CONTRACT TOTALS :

Material Summary	Weight	Inbound Volume	Weight	Outbound Volume	Billing Quantity	Contract Ordered	Ordered Variance
C1 - C-Soil 37A	27.16 TN	0.00 YD	0.00 TN	0.00 YD	27.16 TN	0.00	27.16