

SCS ENGINEERS

February 26, 2007
File No. 02200070.61

Mr. Dave Hartshorn
Property Management Division
U.S. General Services Administration
1500 E. Bannister Road, Room 2101
Kansas City, MO 64131-3088

Subject: GSA Hardesty Federal Records Center Environmental Assessment and Low Level PCB
Remediation Report

Dear Mr. Hartshorn:

Enclosed are two hard copies and one electronic copy of the Environmental Assessment and Low Level PCB Remediation Report, detailing investigation and clean-up activities performed at the Hardesty Federal Records Center located at 601-607 Hardesty Avenue in Kansas City, Missouri.

SCS appreciates the opportunity to provide environmental consulting services to the U.S. General Services Administration. Please contact any of the undersigned should you have any questions.

Sincerely,

David E. Brewer, P.G.
Vice President
SCS ENGINEERS

Deborah A. English, P.E.
Project Manager
SCS ENGINEERS

Jerrett J. Domling
Project Professional
SCS ENGINEERS

Attachment

**ENVIRONMENTAL ASSESSMENT AND LOW
LEVEL PCB REMEDIATION REPORT**

Prepared for:

General Services Administration
1500 E. Bannister Road
Room 2101
Kansas City, Missouri 64131-3088

Prepared by:

SCS Engineers
10975 El Monte, Suite 100
Overland Park, Kansas 66211

February 2007
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CONTENTS

<u>Section</u>	<u>Page</u>
1	Introduction..... 1-1
	Purpose..... 1-1
	Site Description and Historical Use..... 1-1
2	Sampling and Assessment..... 2-1
	Sample Results..... 2-1
3	Low Level Remediation..... 3-1
	Non-Hazardous Waste Disposal 3-2
	Hazardous Waste Disposal 3-3
4	Post-Remediation Sampling 4-1
5	Conclusions

Appendices

A	Pre-Remediation Liquid, Wipe, and Oil Sample Location Map
B	Post-Remediation Wipe and Concrete Sample Location Map
C	Analytical Tables Pre-Remediation/Post-Remediation
D	Laboratory Analytical Data Sheets and Chain-of-Custody Documentation
E	Waste Disposal Manifests
F	Photographs
G	Correspondence

SECTION 1

INTRODUCTION

At the request of the U.S. General Services Administration (GSA), SCS Engineers (SCS) performed an Environmental Assessment (Assessment) and Low Level Polychlorinated-Biphenyl (PCB) Remediation (Remediation) related to past releases and potential future releases caused by recent acts of vandalism at the Hardesty Federal Center, 601-607 Hardesty in Kansas City, Missouri (Property). This report summarizes the results of the Assessment and details subsequent Remediation activities conducted by SCS in October and November 2006.

PURPOSE

The purpose of the Assessment was to investigate the high voltage electrical system and to identify and characterize dielectric oil releases caused by recent acts of vandalism at the Property. The Assessment and PCB remediation was completed in accordance with Federal, State, and local regulations.

SITE DESCRIPTION AND HISTORICAL USE

The Federal Center is currently comprised of seven buildings and associated parking areas situated on approximately 18 acres of land. During World War II, the facility housed a Chemical Warfare Service Clothing Renovation Facility and served as the distribution center for personal effects of soldiers killed in action. After World War II, depot functions declined and the property served as a federal records facility and housed operations associated with the Defense Mapping Agency (DMA), the Federal Aviation Administration, Army Corps of Engineers and the National Weather Service.

The Hardesty Federal Records Center was fully vacated by all government offices in late 2002. The facility remains vacant, and recent vandalism has caused significant damage to the electrical system. Damage observed on the property includes stripping copper-containing materials from electrical equipment and, in the process, releasing oil from the equipment. Results from previous investigations indicated that some of the damaged electrical equipment contained oil that contained PCBs. In some cases, it appeared that oil released from electrical transformers may have been discharged to floor drains within the buildings at the facility. Mechanical drawings indicate that piping from the floor drains leads to sanitary sewer lines that are connected with the City of Kansas City, Missouri (KCMO) sanitary sewer system. Based on the quantity of damage to the electrical system and the possibility that PCB-containing oil may have been released, the GSA retained SCS to perform environmental sampling and assessment activities at the facility.

SECTION 2

SAMPLING AND ASSESSMENT

Following the discovery of a potential release of dielectric oil to the KSMO sanitary sewer system, GSA contacted SCS to collect preliminary wipe and oil samples from within Building 13. A site-specific health and safety plan (HASP) was developed by SCS for use during the assessment and remediation phases of work at the Property. Initial sampling occurred in Building 13 on August 15, 2006, with the collection of one dielectric oil sample and one wipe sample. Comprehensive sampling and assessment was completed throughout the entire complex on September 18, 2006 and September 19, 2006, which included the collection of 25 wipe, water, and oil samples. An additional wipe sample was collected on October 20, 2006, from a small overhead oil-containing switch in Building 13 that was overlooked during the September 2006 sampling event. The preliminary oil and wipe samples collected from within Building 13 on August 15, 2006 were submitted to Pace Analytical Services, Inc. (Pace). All other samples were submitted to Test America Analytical Testing Corporation (Test America). Samples were analyzed for PCB Aroclors by SW-846 Method 8082. The locations of all samples collected are presented on Figure 1 located in Appendix B. Laboratory analytical data obtained from the collected samples are summarized in table form in Attachment C, and copies of the laboratory analytical data reports are located in Appendix D. Photographs showing the locations where samples were collected are located in Appendix F.

SAMPLE RESULTS

The assessment included the collection of oil, wipe, and water samples for PCB analysis. PCB Aroclor 1260 was the only Aroclor detected and was identified in concentrations above laboratory detection limits in 15 of 28 samples collected. PCB concentrations in oil samples ranged from below laboratory detection limits to 45.1 ppm (Bldg. 10 Drum Oil) and PCB concentrations in wipe samples ranged from below laboratory detection limits (TRANSFORMER WIPE) to 427ug/wipe (Bldg. 10 Basement Center Spill). PCB concentrations in water samples collected from floor drains and manhole basins were all below laboratory detection limits.

On the basis of the sampling and assessment completed at the Property, SCS concluded that there were three potential regulatory issues associated with the PCB-containing oil released on the Hardesty property: 1) Management of PCB-containing equipment, 2) risks associated with exposure to PCBs, and 3) discharge of PCBs to the sanitary sewer.

- 1) Electrical equipment is defined as PCB-containing on the basis of the concentration of PCBs in the oil. This concentration determines disposal requirements for this equipment. The concentrations of PCBs detected in the oil samples were all below the 50 ppm threshold defining equipment as PCB-containing.
- 2) Exposure to PCBs is a potential health risk. The Missouri Department of Natural Resources Risk-based Corrective action (MRBCA) has established a default action

level of 10 µg/100 cm² for wipe sampling of concrete, 10 ppm for destructive core sampling of concrete, 0.631 mg/kg for soil, and 0.0005 mg/kg for groundwater. The concentration of PCBs in one of the wipe samples from Building 10 was above the action level¹.

- 3) The possibility exists that potentially PCB-containing oil was discharged to the sanitary sewer. KCMO ordinance No. 950278, Article IV, Division 2 states that no discharge containing PCB concentrations over 0.01 mg/L (ppm) is permitted to the publicly owned treatment works (POTW). Based on observations made during the inspection and the analytical data generated from samples collected at the site, it appears that oil released from transformers located within Building 10 and Building 13 did contain concentrations of Aroclor-1260. However, no PCBs were detected in the floor drain samples from Building 10, indicating that PCBs probably have not been discharged to the KCMO sanitary sewer system from that source.

Although PCBs were detected in the sample from the floor drain in Building 13, they were not detected in either of manhole samples in the sewer to which the Building 13 drain discharges. The sewer to which the Building 13 drain discharges is a combined storm and sanitary sewer on the property. Because the sewer may have been flushed by storm water subsequent to the oil discharge, the results of the manhole samples do not conclusively prove that PCBs were not discharged to the KCMO sanitary sewer. However, since PCBs tend to adsorb to sediment and do not readily volatilize or biodegrade, it is likely that residual levels would have been observed in the manhole samples if high concentrations had been discharged. On the basis of the investigation results, the highest concentration of PCBs in oil from Building 13 was 10 ppm.

It does not appear that the spills meet the reporting requirements of 40 Code of Regulations (CFR) 761.125. On the basis of the concentrations of PCBs detected in the oil (all less than 50 ppm) and the number of transformers damaged (ten), even if all the oil in all those transformers had been released, the total quantity of PCBs would be well under the lowest (1 pound) reporting threshold. At 50 ppm, more than 2,000 gallons of transformer oil would have to be spilled to release 1 pound of PCBs. KCMO had previously been notified that a release might have occurred to the city sewer. However, since the release was not confirmed, EPA has not been notified. Copies of correspondence (SCS letter dated October 10, 2006 and KCMO email dated October 10, 2006) are included in Appendix G.

Although a relatively high concentration of PCBs (427 ug/cm²) was detected in a wipe sample from one stained area, there was no free oil observed in that area and the stained area was less than two feet in diameter. The stain may be unrelated to the recent releases resulting from the vandalism at the facility.

¹ Because the Hardesty property is vacant, exposure is limited to occasional workers and trespassers, so the exposure risk is relatively low. The MRBCA default action levels are based on a residential exposure scenario, so risk-based action levels based on the actual exposure scenario would be higher.

SECTION 3

LOW LEVEL PCB REMEDIATION

Based on the findings and recommendations of the assessment of the facility and electrical distribution system, GSA authorized SCS to remediate identified dielectric oil spills; remove remaining free-flowing dielectric oil from transformers and switches; clean the floor drain and line from Building 13 to the first downgradient manhole; and close three floor drains within Buildings 10 and 13.

SCS subcontracted remediation activities to Hulcher Services, Inc (Hulcher). Remediation activities were completed by Hulcher from October 19, 2006 through October 26, 2006. As previously mentioned, SCS developed a site-specific HASP prior to the start of remediation activities. Hulcher performed remedial work at the Property under their HASP. A copy of the Hulcher HASP was provided to SCS for review.

Prior to the start of remediation activities at the Property, high voltage electrical equipment in the various work areas was checked by an electrician and verified to be de-energized. Remediation activities performed in various buildings throughout the Property are discussed below.

Building 3

- The wet transformer and oil filled switches were drained of free-flowing liquids. A vacuum truck was utilized to remove, containerize, and transport the oil off-site for disposal.

Building 10

- Three wet transformers and one 55-gallon drum containing dielectric oil located within the basement level electrical vault were drained of free-flowing liquids. A vacuum truck was utilized to remove, containerize, and transport the oil off-site for disposal. Oil saturated materials (wood pallets, carpeting, saw dust, miscellaneous debris, etc.) within the electrical vault were placed in a lined roll-off box. The floor surface within the electrical vault was cleaned manually using mineral spirits, sorbent pads, and clay absorbent. Oil-saturated sorbent pads and clay sorbent were placed in a lined roll-off box.
- Stained floor surfaces in three locations outside the electrical vault were also cleaned manually using mineral spirits, sorbent pads, and clay absorbent. Oil-saturated sorbent pads and clay sorbent were placed in a lined roll-off box.
- Two floor drains located in close proximity of the electrical vault room were cleaned and capped. Closure of the floor drains included removing accumulated sediments,

followed by filling the catch basin with commercially available quick drying cement mix. Sediments removed from the floor drains were placed in a lined roll-off box.

Building 11

- Two wet transformers, located on the basement and second floor levels, were drained of free-flowing liquids. A vacuum truck was utilized to remove, containerize, and transport the oil off-site for disposal. Oil saturated materials (ceiling tiles, electrical components, saw dust, miscellaneous debris, etc.) were placed in a lined roll-off box for transport. The floor surface areas were cleaned manually using mineral spirits, sorbent pads, and clay absorbent. Oil saturated sorbent pads and clay sorbent were placed in a lined roll-off box.

Building 13

- Three wet transformers, five electrical switches, and one 5-gallon can containing dielectric oil were drained of free-flowing liquids. A vacuum truck was utilized to remove, containerize, and transport the oil off-site for disposal. Oil saturated materials (saw dust, electrical components, etc.) were placed in a lined roll-off box for transport.
- Standing liquids were removed from the floor drain with a vacuum truck and the drain line was flushed out with a cold water wash. The drain line wash was completed from the floor drain in the building to the manhole located approximately 20 feet southwest of the building. A commercially available degreasing detergent was applied to the wash water. Wash liquids were recovered with a vacuum truck at the manhole and were disposed of at a permitted off-site disposal facility. Following cleaning, the floor drain was capped. Closure of the floor drain included removing accumulated sediments followed by filling the catch basin with commercially available quick drying cement mix.

Waste Disposal (containing <50 ppm PCB)

PCB wastes containing >50 ppm PCB are generally regulated for disposal under the Toxic Substances Control Act (TSCA), specifically under EPA 40 CFR Part 761. According to TSCA, waste containing >50 ppm but <500 ppm is defined as PCB contaminated. Disposal requirements for PCB contaminated waste usually include destruction through combustion or other approved technologies.

The majority of the waste material generated during remediation was characterized as non-TSCA regulated waste, on the basis of pre-remediation sample results. This included dielectric oil and various other materials (ceiling tiles, electrical components, saw dust, miscellaneous materials, etc.) that were saturated with dielectric oil. Oil-saturated solid waste removed during remedial activities was placed in a ploy-lined roll-off box. Liquid waste removed from electrical transformers, electrical switches, and wash water collected from the floor drain and line

associated with Building 13 was containerized within the bulk tank on the vacuum truck for transport off-site.

Solid waste, containing <50 ppm PCBs, was transported and disposed of as Special Waste at Allied Waste Forestview Landfill in Kansas City, Kansas. Liquid waste, containing <50 ppm PCBs, was transported and disposed at the Phillips Services facility in Kansas City, Missouri. Copies of waste manifests for non-TSCA solids and liquids removed from the Property are included in Appendix E.

TSCA Waste Disposal (containing >50 ppm PCB)

A small area (less than 10 square feet) of dark colored highly viscous liquid material located on the basement floor within Building 10 was characterized as containing more than 50 ppm PCBs. Liquid and solid waste collected during clean-up of this area was placed in a 5-gallon poly DOT approved container. This TSCA waste was transported by Amerex Environmental Solutions and disposed at the Clean Harbors Aragonite facility near Aragonite, Utah. A Copy of the waste manifest for hazardous solids and liquids removed from the Property is included in Appendix E.

SECTION 4

POST-REMEDIAION SAMPLING

Post remediation wipe and concrete samples were collected from the floor surface within the electrical vault and from the floor surface outside the electrical vault in the basement of Building 10 to verify PCB concentrations did not exceed the MRBCA default action levels of 10 $\mu\text{g}/100\text{ cm}^2$ and 10 ppm, respectively.

One wipe sample and one concrete sample were collected in each of the selected areas and analyzed for PCBs by SW-846 Method 8082. The concrete sample was collected by utilizing a chisel to fracture a small portion of the floor surface to a depth of approximately 2 inches. The fractured concrete fragments were placed within a 4-ounce soil jar and submitted to Test America for analysis.

Laboratory analytical data indicated that concentrations of PCBs in the wipe and concrete samples were below laboratory quantitative limits. Post-remediation laboratory analytical data is summarized in table form in Attachment C and laboratory analytical data reports are located in Appendix D. Photographs showing the locations where samples were collected are located in Appendix F.

SECTION 5

CONCLUSIONS

A comprehensive assessment of the high voltage electrical system was completed. Twenty-eight wipe, water, and oil samples were collected and analyzed for PCB Aroclors. Laboratory analytical data indicated that all materials, with exception of a small stained area on the floor in the basement level of Building 10, could be disposed of as non-TSCA waste (containing <50 ppm PCB). A small amount of waste generated during clean-up of the center spill in the basement level of Building 10 was disposed of as a TSCA waste.

Based on the findings and recommendations of the assessment of the facility and electrical distribution system, GSA authorized SCS to remediate identified dielectric oil spills; remove remaining free-flowing dielectric oil from transformers and switches; clean the floor drain and line from Building 13 to the first downgradient manhole; and close three floor drains within Building 10 and Building 13.

Remediation was completed from October 19, 2006 through October 26, 2006. Specific tasks included utilizing a vacuum truck to remove free-flowing dielectric liquids from transformers, switches, containers, and the floor drain in Building 13. The floor surfaces within Building 10 and Building 11 were cleaned manually using mineral spirits, sorbent pads, and clay absorbent. Three floor drains within Building 10 and Building 13 were cleaned by removing accumulated sediments, followed by filling the catch basins with commercially available quick drying cement mix.

On the basis of this assessment and remediation, free-flowing dielectric fluid has been removed from electrical equipment in Buildings 3, 10, 11, and 13. In addition, visible spills have been cleaned up and materials contaminated with spills of dielectric fluid have been removed and disposed of. Small quantities of residual dielectric fluids that could not be effectively drained and, therefore, remain in the transformers, in these buildings, contain less than 50 ppm PCBs.

APPENDICES

APPENDIX A

**PRE-REMEDATION LIQUID, WIPE,
AND OIL SAMPLE LOCATION MAP**

SAMPLE IDENTIFICATION

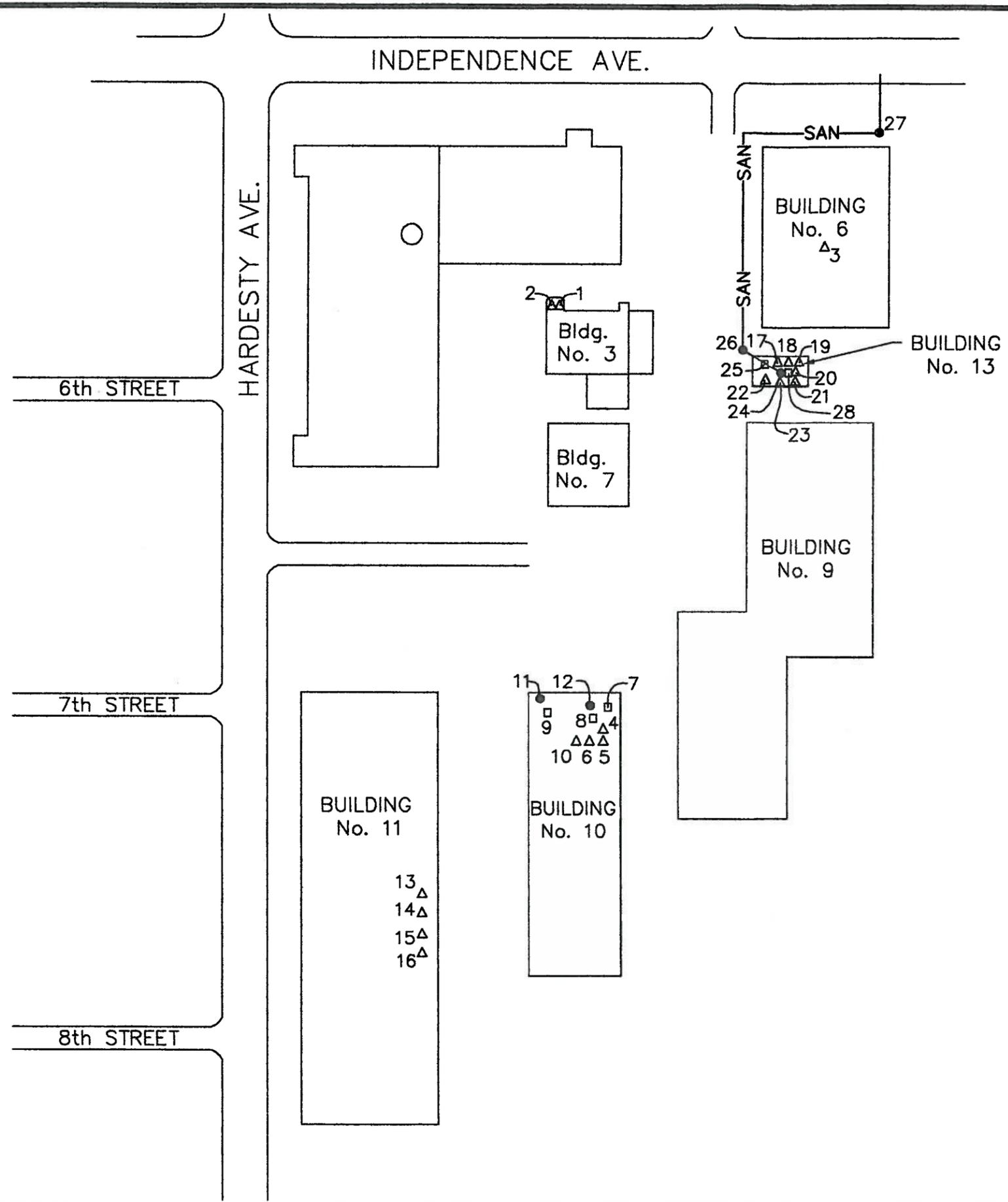
- 1) Bldg. 3 T.1337
- 2) Bldg. 3 Switch Composite
- 3) Bldg. 6 Elev. Oil
- 4) Bldg. 10 Drum Oil
- 5) Bldg. 10 E. Trans
- 6) Bldg. 10 C. Trans
- 7) Bldg. 10 Basement East Spill
- 8) Bldg. 10 Basement Center Spill
- 9) Bldg. 10 Basement West Spill
- 10) Bldg. 10 W. Trans
- 11) Bldg. 10 West Flr Drain
- 12) Bldg. 10 Basement Center Flr Drain
- 13) Bldg. 11 2nd Flr Trans
- 14) Bldg. 11 1st Flr Oil
- 15) Bldg. 11 Basement Trans Oil
- 16) Bldg. 11 Basement Flr Oil
- 17) Bldg. 13 T.1255
- 18) Bldg. 13 T.1256
- 19) Bldg. 13 T.1257
- 20) Bldg. 13 Switch 1261
- 21) Bldg. 13 Switch 1260
- 22) Bldg. 13 West Switch
- 23) Bldg. 13 5 Gallon Can
- 24) BLDG13DRAIN
- 25) TRANSFORMER WIPE
- 26) Bldg. 13 MH
- 27) Ind. Ave. MH
- 28) Bldg. 13 Overhead Switch

LEGEND

- SAN- SANITARY SEWER
- LIQUID SAMPLE
- WIPE SAMPLE
- △ OIL SAMPLE



NOT TO SCALE
SCS ENGINEERS



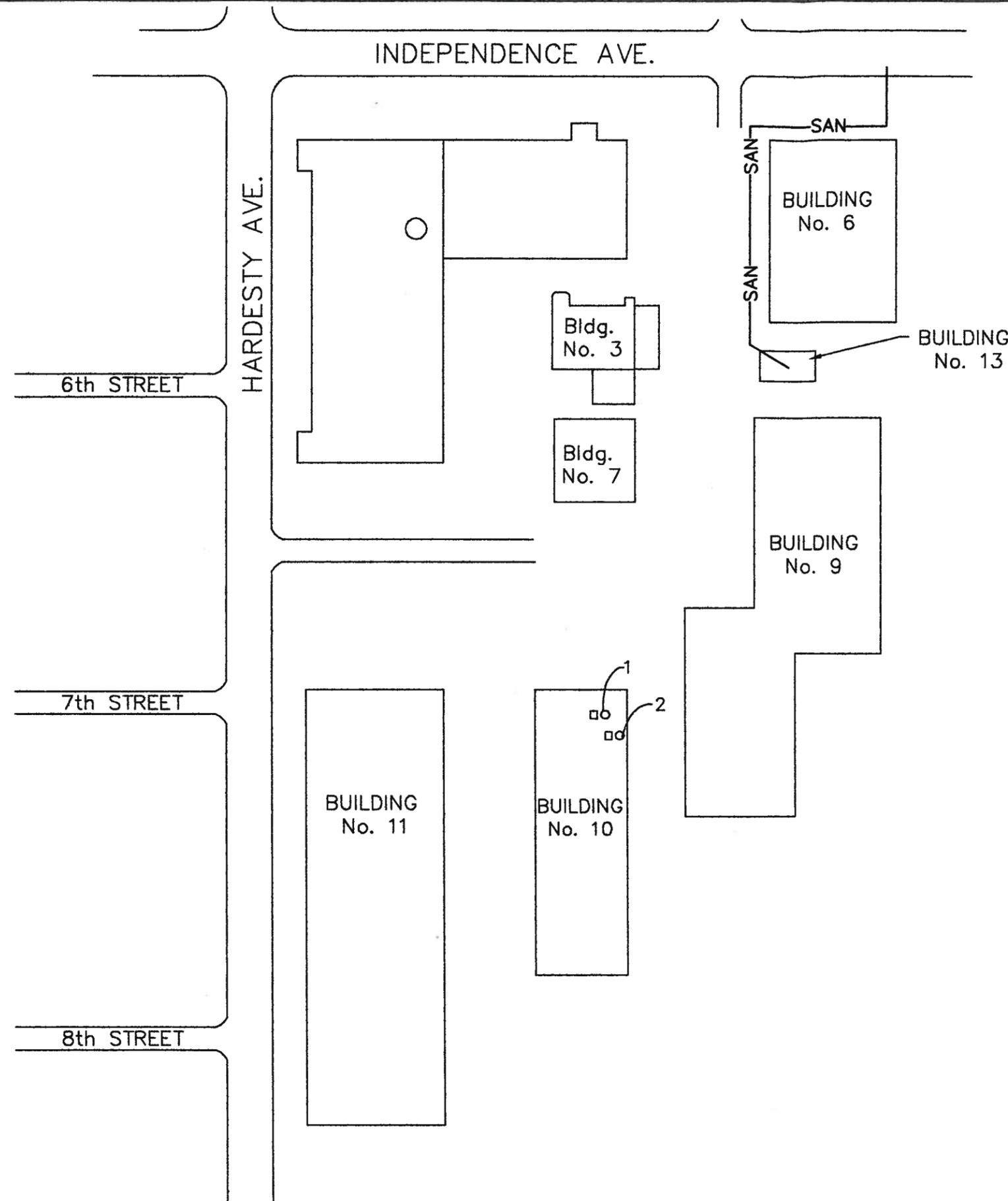
APPENDIX B

**POST-REMEDATION WIPE AND
CONCRETE SAMPLE LOCATION MAP**

C:\DWGS\ES\02\200070.61-INDEPENDANCE & HARDESTY.dwg 02200070.61-FIG-2

SAMPLE IDENTIFICATION

- 1) Bldg. 10 C. Spill Post Rem.
- 2) Bldg. 10 Trans. Vault Flr. Post Rem.



LEGEND

- SAN- SANITARY SEWER
- WIPE SAMPLE
- CONCRETE SAMPLE



NOT TO SCALE
SCS ENGINEERS

APPENDIX C

ANALYTICAL TABLES

PRE-REMEDIATION/POST-REMEDIATION

Pre-Remediation Liquid, Wipe, and Oil Sample Results
 General Services Administration
 Hardesty Federal Center
 601-607 Hardesty, Kansas City, MO

Sample Identification - Matrix	Date	Aroclor 1016	1221	1232	1242	1248	1254	1260	1268
BLDG13DRAIN - Oil	8/15/2006	<0.97	<0.97	<0.97	<0.97	<0.97	<0.97	8.2	<0.97
TRANSFORMER WIPE - Wipe	8/15/2006	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Bldg. 13 T. 1255 - Oil	9/18/2006	<0.950	<0.950	<0.950	<0.950	<0.950	<0.950	10.0	<0.950
Bldg. 13 T. 1256 - Oil	9/18/2006	<0.930	<0.930	<0.930	<0.930	<0.930	<0.930	1.58	<0.930
Bldg. 13 T. 1257 - Oil	9/18/2006	<0.939	<0.939	<0.939	<0.939	<0.939	<0.939	7.00	<0.939
Bldg. 6 Elev. Oil - Oil	9/18/2006	<1.05	<1.05	<1.05	<1.05	<1.05	<1.05	<1.05	<1.05
Bldg. 3 T.1337 - Oil	9/18/2006	<0.946	<0.946	<0.946	<0.946	<0.946	<0.946	3.41	<0.946
Bldg. 10 Drum Oil - Oil	9/18/2006	<0.930	<0.930	<0.930	<0.930	<0.930	<0.930	45.1	<0.930
Bldg. 10 E. Trans. - Oil	9/18/2006	<0.930	<0.930	<0.930	<0.930	<0.930	<0.930	41.8	<0.930
Bldg. 10 C. Trans. - Oil	9/18/2006	<0.922	<0.922	<0.922	<0.922	<0.922	<0.922	2.33	<0.922
Bldg. 13 MH - Water	9/18/2006	<6.67	<6.67	<6.67	<6.67	<6.67	<6.67	<6.67	<6.67
Ind. Ave. MH - Water	9/18/2006	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
Bldg. 13 Switch 1261 - Oil	9/19/2006	<0.928	<0.928	<0.928	<0.928	<0.928	<0.928	1.34	<0.928
Bldg. 13 Switch 1260 - Oil	9/19/2006	<0.0935	<0.0935	<0.0935	<0.0935	<0.0935	<0.0935	0.256	<0.0935
Bldg. 13 West Switch - Oil	9/19/2006	<0.978	<0.978	<0.978	<0.978	<0.978	<0.978	<0.978	<0.978
Bldg. 13 5 Gallon Can - Oil	9/19/2006	<0.935	<0.935	<0.935	<0.935	<0.935	<0.935	<0.935	<0.935
Bldg. 3 Switch Composite - Oil	9/19/2006	<0.930	<0.930	<0.930	<0.930	<0.930	<0.930	<0.930	<0.930
Bldg. 11 2nd Fir Trans - Oil	9/19/2006	<0.993	<0.993	<0.993	<0.993	<0.993	<0.993	<0.993	<0.993
Bldg. 11 1st Fir Oil - Oil	9/19/2006	<1.03	<1.03	<1.03	<1.03	<1.03	<1.03	<1.03	<1.03
Bldg. 11 Basement Trans Oil - Oil	9/19/2006	<1.06	<1.06	<1.06	<1.06	<1.06	<1.06	<1.06	<1.06
Bldg. 11 Basement Floor Oil - Oil	9/19/2006	<1.02	<1.02	<1.02	<1.02	<1.02	<1.02	<1.02	<1.02
Bldg. 10 Basement East Spill - Wipe	9/19/2006	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	7.41	<1.00
Bldg. 10 Basement Center Spill - Wipe	9/19/2006	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	427	<2.00
Bldg. 10 Basement West Spill - Wipe	9/19/2006	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	7.27	<1.00
Bldg. 10 W. Trans - Oil	9/19/2006	<0.937	<0.937	<0.937	<0.937	<0.937	<0.937	23.7	<0.937
Bldg. 10 Basement West Fir Drain - Water	9/19/2006	<7.27	<7.27	<7.27	<7.27	<7.27	<7.27	<7.27	<7.27
Bldg. 10 Basement Center Fir Drain - Water	9/19/2006	<8.00	<8.00	<8.00	<8.00	<8.00	<8.00	<8.00	<8.00
Bldg. 13 Overhead Switch - Wipe	10/20/2006	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	3.59	<1.00

All samples analyzed for PCB Aroclors by EPA Method SW 8082.
 Units for oil, water, and wipe matrix samples are mg/kg, ug/l, and ug/wipe, respectively.

Post-Remediation Wipe and Concrete Sample Results
 General Services Administration
 Hardesty Federal Center
 601-607 Hardesty, Kansas City, MO

Sample Identification - Matrix	Date	Aroclor 1016	1221	1232	1242	1248	1254	1260	1268
Bldg. 10 C. Spill Post Room - Wipe*	10/25/2006	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
Bldg. 10 C. Spill Post Room - Concrete*	10/25/2006	<0.257	<0.257	<0.257	<0.257	<0.257	<0.257	<0.257	<0.257
Bldg. 10 Trans Vault Fir. Post Rem. - Wipe	10/26/2006	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
Bldg. 10 Trans Vault Fir. Post Rem. - Conc.	10/26/2006	<0.256	<0.256	<0.256	<0.256	<0.256	<0.256	<0.256	<0.256

Wipe and concrete samples labeled Bldg. 10 C. Spill Post Rem. were mislabeled by the lab as Bldg. 10 C. Spill Post Room.
 All samples analyzed for PCB Aroclors by EPA Method SW 8082.
 Units for wipe and concrete matrix samples are ug/wipe and mg/kg, respectively.

APPENDIX D

**LABORATORY ANALYTICAL DATA SHEETS
AND CHAIN-OF-CUSTODY DOCUMENTATION**



Pace Analytical Services, Inc.
9608 Loiret Blvd.
Lenexa, KS 66219
Phone: (913)599-5665
Fax: (913)599-1759

August 25, 2006

Jarrett Domling
SCS Engineers
10975 El Monte, Suite 100
Overland Park, KS 66211

RE: Project: GSA Hardesty Center
Pace Project No.: 6012072

Dear Jarrett Domling:

Enclosed are the analytical results for sample(s) received by the laboratory on August 15, 2006. Results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated in the body of the report.

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

Sincerely,

Derek Varney

derek.varney@pacelabs.com
Project Manager

Arkansas Certification Number: 05-008-0
California Certification Number: 02109CA
Illinois Certification Number: 001191
Iowa Certification Number: 118
Kansas/NELAP Certification Number: E-10116
Louisiana Certification Number: 03055
Minnesota Certification Number: 020-999-394
Oklahoma Certification Number: 9205/9935
Utah Certification Number: 9135995665

Enclosures

REPORT OF LABORATORY ANALYSIS

Page 1 of 9

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SAMPLE SUMMARY

Project: GSA Hardesty Center
Pace Project No.: 6012072

Lab ID	Sample ID	Matrix	Date Collected	Date Received
6012072001	BLDG13DRAIN	Non Aqueous	08/15/06 10:30	08/15/06 11:25
6012072002	TRANSFORMER WIPE	Wipe	08/15/06 10:35	08/15/06 11:25

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: GSA Hardesty Center
Pace Project No.: 6012072

Lab ID	Sample ID	Method	Analytes Reported
6012072001	BLDG13DRAIN	EPA 8082	11
6012072002	TRANSFORMER WIPE	EPA 8082	9

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: GSA Hardesty Center
Pace Project No.: 6012072

Sample: TRANSFORMER WIPE		Lab ID: 6012072002	Collected: 08/15/06 10:35	Received: 08/15/06 11:25	Matrix: Wipe			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8082 GCS PCB		Analytical Method: EPA 8082 Preparation Method: EPA 3580 (Wipe)						
PCB-1016 (Aroclor 1016)	ND Total ug-		1.0	1	08/16/06 00:00	08/17/06 21:15	12674-11-2	
PCB-1221 (Aroclor 1221)	ND Total ug-		1.0	1	08/16/06 00:00	08/17/06 21:15	11104-28-2	
PCB-1232 (Aroclor 1232)	ND Total ug-		1.0	1	08/16/06 00:00	08/17/06 21:15	11141-16-5	
PCB-1242 (Aroclor 1242)	ND Total ug-		1.0	1	08/16/06 00:00	08/17/06 21:15	53469-21-9	
PCB-1248 (Aroclor 1248)	ND Total ug-		1.0	1	08/16/06 00:00	08/17/06 21:15	12672-29-6	
PCB-1254 (Aroclor 1254)	ND Total ug-		1.0	1	08/16/06 00:00	08/17/06 21:15	11097-69-1	
PCB-1260 (Aroclor 1260)	ND Total ug-		1.0	1	08/16/06 00:00	08/17/06 21:15	11096-82-5	
Tetrachloro-m-xylene (S)	77 %		50-125	1	08/16/06 00:00	08/17/06 21:15	877-09-8	
Decachlorobiphenyl (S)	96 %		51-126	1	08/16/06 00:00	08/17/06 21:15	2051-24-3	

QUALITY CONTROL DATA

Project: GSA Hardesty Center
Pace Project No.: 6012072

QC Batch: OEXT/3581	Analysis Method: EPA 8082
QC Batch Method: EPA 3580 (Wipe)	Analysis Description: 8082 GCS PCB Wipe
Associated Lab Samples: 6012072002	

METHOD BLANK: 95973
Associated Lab Samples: 6012072002

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
PCB-1016 (Aroclor 1016)	Total ug-	ND	1.0	
PCB-1221 (Aroclor 1221)	Total ug-	ND	1.0	
PCB-1232 (Aroclor 1232)	Total ug-	ND	1.0	
PCB-1242 (Aroclor 1242)	Total ug-	ND	1.0	
PCB-1248 (Aroclor 1248)	Total ug-	ND	1.0	
PCB-1254 (Aroclor 1254)	Total ug-	ND	1.0	
PCB-1260 (Aroclor 1260)	Total ug-	ND	1.0	
Tetrachloro-m-xylene (S)	%	103	50-125	
Decachlorobiphenyl (S)	%	99	51-126	

LABORATORY CONTROL SAMPLE: 95974

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
PCB-1016 (Aroclor 1016)	Total ug-	5	5.2	105	66-119	
PCB-1260 (Aroclor 1260)	Total ug-	5	5.0	101	68-121	
Tetrachloro-m-xylene (S)	%			101	50-125	
Decachlorobiphenyl (S)	%			99	51-126	

QUALITY CONTROL DATA

Project: GSA Hardesty Center
Pace Project No.: 6012072

QC Batch: OEXT/3582 Analysis Method: EPA 8082
QC Batch Method: EPA 3580 Analysis Description: 8082 GCS PCB Oil
Associated Lab Samples: 6012072001

METHOD BLANK: 95976

Associated Lab Samples: 6012072001

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
PCB-1016 (Aroclor 1016)	mg/kg	ND	1.0	
PCB-1221 (Aroclor 1221)	mg/kg	ND	1.0	
PCB-1232 (Aroclor 1232)	mg/kg	ND	1.0	
PCB-1242 (Aroclor 1242)	mg/kg	ND	1.0	
PCB-1248 (Aroclor 1248)	mg/kg	ND	1.0	
PCB-1254 (Aroclor 1254)	mg/kg	ND	1.0	
PCB-1260 (Aroclor 1260)	mg/kg	ND	1.0	
PCB-1262 (Aroclor 1262)	mg/kg	ND	1.0	
PCB-1268 (Aroclor 1268)	mg/kg	ND	1.0	
Tetrachloro-m-xylene (S)	%	94	28-110	
Decachlorobiphenyl (S)	%	107	35-146	

LABORATORY CONTROL SAMPLE: 95977

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
PCB-1016 (Aroclor 1016)	mg/kg	5	5.1	102	65-113	
PCB-1260 (Aroclor 1260)	mg/kg	5	5.6	112	51-134	
Tetrachloro-m-xylene (S)	%			100	28-110	
Decachlorobiphenyl (S)	%			118	35-146	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 95978 95979

Parameter	Units	6012072001		MS		MSD		% Rec	% Rec	% Rec Limits	Max		Qual
		Result	Conc.	Spike Conc.	Spike Conc.	Result	Result				RPD	RPD	
PCB-1016 (Aroclor 1016)	mg/kg	ND		4.8	4.8	3.7	4.4	77	91	45-133	17	41	
PCB-1260 (Aroclor 1260)	mg/kg	8.2		4.8	4.8	14.1	14.1	122	123	22-166	0	34	
Tetrachloro-m-xylene (S)	%							78	77	28-110			
Decachlorobiphenyl (S)	%							119	117	35-146			

QUALIFIERS

Project: GSA Hardesty Center

Pace Project No.: 6012072

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to changes in sample preparation, dilution of the sample aliquot, or moisture content.

ND - Not Detected at or above adjusted reporting limit.

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

MDL - Adjusted Method Detection Limit.

S - Surrogate

1,2-Diphenylhydrazine (8270 listed analyte) decomposes to Azobenzene.

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

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

REPORT OF LABORATORY ANALYSIS

Page 8 of 9

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: GSA Hardesty Center
Pace Project No.: 6012072

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
6012072002	TRANSFORMER WIPE	EPA 3580 (Wipe)	OEXT/3581	EPA 8082	GCSV/2181
6012072001	BLDG13DRAIN	EPA 3580	OEXT/3582	EPA 8082	GCSV/2180

September 22, 2006

Client:

SCS ENGINEERS
10975 El Monte, Suite 100
Overland Park, KS 66211

Work Order: CPI0960
Project Name: GSA Hardesty
Project Number: Kansas City, MO

Attn: Jerrett Domling

Date Received: 09/19/06

An executed copy of the chain of custody is also included as an addendum to this report.

If you have any questions relating to this analytical report, please contact your Laboratory Project Manager at 1-(800)750-2401

SAMPLE IDENTIFICATION	LAB NUMBER	COLLECTION DATE AND TIME
Bldg. 13 T.1255	CPI0960-01	09/18/06 14:45
Bldg. 13 T.1256	CPI0960-02	09/18/06 14:55
Bldg. 13 T.1257	CPI0960-03	09/18/06 15:00
Bldg. 6 Elev. Oil	CPI0960-04	09/18/06 15:10
Bldg. 3 T.1337	CPI0960-05	09/18/06 15:20
Bldg. 10 Drum Oil	CPI0960-06	09/18/06 15:30
Bldg. 10 E. Trans.	CPI0960-07	09/18/06 15:45
Bldg. 10 C. Trans.	CPI0960-08	09/18/06 15:55
Bldg. 13 MH	CPI0960-09	09/18/06 14:00
Ind. Ave. MH	CPI0960-10	09/18/06 14:20

Samples were received into laboratory at a temperature of 4 °C.

Most environmental analytical testing methods require a sample temperature of 4 degrees C +/- 2 degrees C for preservation of the sample constituents prior to analysis. If sample temperatures are outside of this temperature range at the time of sample receipt, results may be impacted. Please refer to the Temperature and Sample Receipt form that is included with this report for additional information regarding the condition of samples at the time of receipt by the laboratory.

The reported results were obtained in compliance with the 2003 NELAC standards unless otherwise noted.

Reproduction of this analytical report is permitted only in its entirety. This report shall not be reproduced except in full without the written approval of the laboratory.

TestAmerica Analytical Testing Corporation certifies that the analytical results contained herein apply only to the specific sample analyzed.

Approved By:



TestAmerica - Cedar Falls, IA
Derrick Klinkenberg
Organics Manager

SCS ENGINEERS
10975 El Monte, Suite 100
Overland Park, KS 66211
Jerrett Domling

Work Order: CPI0960
Project: GSA Hardesty
Project Number: Kansas City, MO

Received: 09/19/06
Reported: 09/22/06 13:07

ANALYTICAL REPORT

Analyte	Sample Result	Data Qualifiers	Units	Quan. Limit	Dilution Factor	Date Analyzed	Analyst	Seq/ Batch	Method
Sample ID: CPI0960-01 (Bldg. 13 T.1255 - Oil)				Sampled: 09/18/06 14:45			Recvd: 09/19/06 09:25		
Organochlorine Pesticides/PCBs									
PCB-1016	<0.950		mg/kg	0.950	1.19	09/19/06 19:20	ac	6090833	SW 8082
PCB-1221	<0.950		mg/kg	0.950	1.19	09/19/06 19:20	ac	6090833	SW 8082
PCB-1232	<0.950		mg/kg	0.950	1.19	09/19/06 19:20	ac	6090833	SW 8082
PCB-1242	<0.950		mg/kg	0.950	1.19	09/19/06 19:20	ac	6090833	SW 8082
PCB-1248	<0.950		mg/kg	0.950	1.19	09/19/06 19:20	ac	6090833	SW 8082
PCB-1254	<0.950		mg/kg	0.950	1.19	09/19/06 19:20	ac	6090833	SW 8082
PCB-1260	10.0		mg/kg	0.950	1.19	09/20/06 12:58	ac	6090833	SW 8082
PCB-1268	<0.950		mg/kg	0.950	1.19	09/19/06 19:20	ac	6090833	SW 8082
Total PCBs	10.0		mg/kg	0.950	1.19	09/20/06 12:58	ac	6090833	SW 8082
<i>Surr: Decachlorobiphenyl (10-100%)</i>	59 %								
<i>Surr: Tetrachloro-meta-xylene (15-105%)</i>	66 %								
Sample ID: CPI0960-02 (Bldg. 13 T.1256 - Oil)				Sampled: 09/18/06 14:55			Recvd: 09/19/06 09:25		
Organochlorine Pesticides/PCBs									
PCB-1016	<0.930		mg/kg	0.930	1.16	09/19/06 20:03	ac	6090833	SW 8082
PCB-1221	<0.930		mg/kg	0.930	1.16	09/19/06 20:03	ac	6090833	SW 8082
PCB-1232	<0.930		mg/kg	0.930	1.16	09/19/06 20:03	ac	6090833	SW 8082
PCB-1242	<0.930		mg/kg	0.930	1.16	09/19/06 20:03	ac	6090833	SW 8082
PCB-1248	<0.930		mg/kg	0.930	1.16	09/19/06 20:03	ac	6090833	SW 8082
PCB-1254	<0.930		mg/kg	0.930	1.16	09/19/06 20:03	ac	6090833	SW 8082
PCB-1260	1.58		mg/kg	0.930	1.16	09/20/06 13:35	ac	6090833	SW 8082
PCB-1268	<0.930		mg/kg	0.930	1.16	09/19/06 20:03	ac	6090833	SW 8082
Total PCBs	1.58		mg/kg	0.930	1.16	09/20/06 13:35	ac	6090833	SW 8082
<i>Surr: Decachlorobiphenyl (10-100%)</i>	68 %								
<i>Surr: Tetrachloro-meta-xylene (15-105%)</i>	72 %								
Sample ID: CPI0960-03 (Bldg. 13 T.1257 - Oil)				Sampled: 09/18/06 15:00			Recvd: 09/19/06 09:25		
Organochlorine Pesticides/PCBs									
PCB-1016	<0.939		mg/kg	0.939	1.17	09/19/06 20:45	ac	6090833	SW 8082
PCB-1221	<0.939		mg/kg	0.939	1.17	09/19/06 20:45	ac	6090833	SW 8082
PCB-1232	<0.939		mg/kg	0.939	1.17	09/19/06 20:45	ac	6090833	SW 8082
PCB-1242	<0.939		mg/kg	0.939	1.17	09/19/06 20:45	ac	6090833	SW 8082
PCB-1248	<0.939		mg/kg	0.939	1.17	09/19/06 20:45	ac	6090833	SW 8082
PCB-1254	<0.939		mg/kg	0.939	1.17	09/19/06 20:45	ac	6090833	SW 8082
PCB-1260	7.00		mg/kg	0.939	1.17	09/20/06 14:12	ac	6090833	SW 8082
PCB-1268	<0.939		mg/kg	0.939	1.17	09/19/06 20:45	ac	6090833	SW 8082
Total PCBs	7.00		mg/kg	0.939	1.17	09/20/06 14:12	ac	6090833	SW 8082
<i>Surr: Decachlorobiphenyl (10-100%)</i>	61 %								
<i>Surr: Tetrachloro-meta-xylene (15-105%)</i>	76 %								

SCS ENGINEERS
10975 El Monte, Suite 100
Overland Park, KS 66211
Jerrett Domling

Work Order: CPI0960
Project: GSA Hardesty
Project Number: Kansas City, MO

Received: 09/19/06
Reported: 09/22/06 13:07

ANALYTICAL REPORT

Analyte	Sample Result	Data Qualifiers	Units	Quan. Limit	Dilution Factor	Date Analyzed	Analyst	Seq/ Batch	Method
Sample ID: CPI0960-04 (Bldg. 6 Elev. Oil - Oil)				Sampled: 09/18/06 15:10			Recvd: 09/19/06 09:25		
Organochlorine Pesticides/PCBs									
PCB-1016	<1.05		mg/kg	1.05	1.31	09/19/06 21:28	ac	6090833	SW 8082
PCB-1221	<1.05		mg/kg	1.05	1.31	09/19/06 21:28	ac	6090833	SW 8082
PCB-1232	<1.05		mg/kg	1.05	1.31	09/19/06 21:28	ac	6090833	SW 8082
PCB-1242	<1.05		mg/kg	1.05	1.31	09/19/06 21:28	ac	6090833	SW 8082
PCB-1248	<1.05		mg/kg	1.05	1.31	09/19/06 21:28	ac	6090833	SW 8082
PCB-1254	<1.05		mg/kg	1.05	1.31	09/19/06 21:28	ac	6090833	SW 8082
PCB-1260	<1.05		mg/kg	1.05	1.31	09/19/06 21:28	ac	6090833	SW 8082
PCB-1268	<1.05		mg/kg	1.05	1.31	09/19/06 21:28	ac	6090833	SW 8082
Total PCBs	<1.05		mg/kg	1.05	1.31	09/19/06 21:28	ac	6090833	SW 8082
Surr: Decachlorobiphenyl (10-100%)	15 %								
Surr: Tetrachloro-meta-xylene (15-105%)	62 %								
Sample ID: CPI0960-05 (Bldg. 3 T.1337 - Oil)				Sampled: 09/18/06 15:20			Recvd: 09/19/06 09:25		
Organochlorine Pesticides/PCBs									
PCB-1016	<0.946		mg/kg	0.946	1.18	09/19/06 22:11	ac	6090833	SW 8082
PCB-1221	<0.946		mg/kg	0.946	1.18	09/19/06 22:11	ac	6090833	SW 8082
PCB-1232	<0.946		mg/kg	0.946	1.18	09/19/06 22:11	ac	6090833	SW 8082
PCB-1242	<0.946		mg/kg	0.946	1.18	09/19/06 22:11	ac	6090833	SW 8082
PCB-1248	<0.946		mg/kg	0.946	1.18	09/19/06 22:11	ac	6090833	SW 8082
PCB-1254	<0.946		mg/kg	0.946	1.18	09/19/06 22:11	ac	6090833	SW 8082
PCB-1260	3.41		mg/kg	0.946	1.18	09/20/06 14:50	ac	6090833	SW 8082
PCB-1268	<0.946		mg/kg	0.946	1.18	09/19/06 22:11	ac	6090833	SW 8082
Total PCBs	3.41		mg/kg	0.946	1.18	09/20/06 14:50	ac	6090833	SW 8082
Surr: Decachlorobiphenyl (10-100%)	57 %								
Surr: Tetrachloro-meta-xylene (15-105%)	70 %								
Sample ID: CPI0960-06 (Bldg. 10 Drum Oil - Oil)				Sampled: 09/18/06 15:30			Recvd: 09/19/06 09:25		
Organochlorine Pesticides/PCBs									
PCB-1016	<0.930		mg/kg	0.930	1.16	09/19/06 22:53	ac	6090833	SW 8082
PCB-1221	<0.930		mg/kg	0.930	1.16	09/19/06 22:53	ac	6090833	SW 8082
PCB-1232	<0.930		mg/kg	0.930	1.16	09/19/06 22:53	ac	6090833	SW 8082
PCB-1242	<0.930		mg/kg	0.930	1.16	09/19/06 22:53	ac	6090833	SW 8082
PCB-1248	<0.930		mg/kg	0.930	1.16	09/19/06 22:53	ac	6090833	SW 8082
PCB-1254	<0.930		mg/kg	0.930	1.16	09/19/06 22:53	ac	6090833	SW 8082
PCB-1260	45.1		mg/kg	5.58	6.98	09/20/06 15:27	ac	6090833	SW 8082
PCB-1268	<0.930		mg/kg	0.930	1.16	09/19/06 22:53	ac	6090833	SW 8082
Total PCBs	45.1		mg/kg	5.58	6.98	09/20/06 15:27	ac	6090833	SW 8082
Surr: Decachlorobiphenyl (10-100%)	62 %								
Surr: Tetrachloro-meta-xylene (15-105%)	75 %								

SCS ENGINEERS
10975 El Monte, Suite 100
Overland Park, KS 66211
Jerrett Domling

Work Order: CPI0960
Project: GSA Hardesty
Project Number: Kansas City, MO

Received: 09/19/06
Reported: 09/22/06 13:07

ANALYTICAL REPORT

Analyte	Sample Result	Data Qualifiers	Units	Quan. Limit	Dilution Factor	Date Analyzed	Analyst	Seq/ Batch	Method
Sample ID: CPI0960-07 (Bldg. 10 E. Trans. - Oil)				Sampled: 09/18/06 15:45			Recvd: 09/19/06 09:25		
Organochlorine Pesticides/PCBs									
PCB-1016	<0.930		mg/kg	0.930	1.16	09/19/06 23:36	ac	6090833	SW 8082
PCB-1221	<0.930		mg/kg	0.930	1.16	09/19/06 23:36	ac	6090833	SW 8082
PCB-1232	<0.930		mg/kg	0.930	1.16	09/19/06 23:36	ac	6090833	SW 8082
PCB-1242	<0.930		mg/kg	0.930	1.16	09/19/06 23:36	ac	6090833	SW 8082
PCB-1248	<0.930		mg/kg	0.930	1.16	09/19/06 23:36	ac	6090833	SW 8082
PCB-1254	<0.930		mg/kg	0.930	1.16	09/19/06 23:36	ac	6090833	SW 8082
PCB-1260	41.8		mg/kg	5.58	6.98	09/20/06 16:05	ac	6090833	SW 8082
PCB-1268	<0.930		mg/kg	0.930	1.16	09/19/06 23:36	ac	6090833	SW 8082
Total PCBs	41.8		mg/kg	5.58	6.98	09/20/06 16:05	ac	6090833	SW 8082
<i>Surr: Decachlorobiphenyl (10-100%)</i>	63 %								
<i>Surr: Tetrachloro-meta-xylene (15-105%)</i>	74 %								
Sample ID: CPI0960-08 (Bldg. 10 C. Trans. - Oil)				Sampled: 09/18/06 15:55			Recvd: 09/19/06 09:25		
Organochlorine Pesticides/PCBs									
PCB-1016	<0.922		mg/kg	0.922	1.15	09/20/06 00:18	ac	6090833	SW 8082
PCB-1221	<0.922		mg/kg	0.922	1.15	09/20/06 00:18	ac	6090833	SW 8082
PCB-1232	<0.922		mg/kg	0.922	1.15	09/20/06 00:18	ac	6090833	SW 8082
PCB-1242	<0.922		mg/kg	0.922	1.15	09/20/06 00:18	ac	6090833	SW 8082
PCB-1248	<0.922		mg/kg	0.922	1.15	09/20/06 00:18	ac	6090833	SW 8082
PCB-1254	<0.922		mg/kg	0.922	1.15	09/20/06 00:18	ac	6090833	SW 8082
PCB-1260	2.33		mg/kg	0.922	1.15	09/20/06 16:44	ac	6090833	SW 8082
PCB-1268	<0.922		mg/kg	0.922	1.15	09/20/06 00:18	ac	6090833	SW 8082
Total PCBs	2.33		mg/kg	0.922	1.15	09/20/06 16:44	ac	6090833	SW 8082
<i>Surr: Decachlorobiphenyl (10-100%)</i>	69 %								
<i>Surr: Tetrachloro-meta-xylene (15-105%)</i>	20 %								
Sample ID: CPI0960-09 (Bldg. 13 MH - Waste Water)				Sampled: 09/18/06 14:00			Recvd: 09/19/06 09:25		
Organochlorine Pesticides/PCBs									
PCB-1016	<6.67		ug/L	6.67	8.33	09/21/06 11:53	dik	6090909	SW 8082
PCB-1221	<6.67		ug/L	6.67	8.33	09/21/06 11:53	dik	6090909	SW 8082
PCB-1232	<6.67		ug/L	6.67	8.33	09/21/06 11:53	dik	6090909	SW 8082
PCB-1242	<6.67		ug/L	6.67	8.33	09/21/06 11:53	dik	6090909	SW 8082
PCB-1248	<6.67		ug/L	6.67	8.33	09/21/06 11:53	dik	6090909	SW 8082
PCB-1254	<6.67		ug/L	6.67	8.33	09/21/06 11:53	dik	6090909	SW 8082
PCB-1260	<6.67		ug/L	6.67	8.33	09/21/06 11:53	dik	6090909	SW 8082
PCB-1268	<6.67		ug/L	6.67	8.33	09/21/06 11:53	dik	6090909	SW 8082
<i>Surr: Decachlorobiphenyl (10-100%)</i>	64 %								
<i>Surr: Tetrachloro-meta-xylene (22-112%)</i>	44 %								
Sample ID: CPI0960-10 (Ind. Ave. MH - Waste Water)				Sampled: 09/18/06 14:20			Recvd: 09/19/06 09:25		
Organochlorine Pesticides/PCBs									
PCB-1016	<10.0		ug/L	10.0	12.5	09/21/06 12:31	dik	6090909	SW 8082
PCB-1221	<10.0		ug/L	10.0	12.5	09/21/06 12:31	dik	6090909	SW 8082
PCB-1232	<10.0		ug/L	10.0	12.5	09/21/06 12:31	dik	6090909	SW 8082
PCB-1242	<10.0		ug/L	10.0	12.5	09/21/06 12:31	dik	6090909	SW 8082

SCS ENGINEERS
 10975 El Monte, Suite 100
 Overland Park, KS 66211
 Jerrett Domling

Work Order: CPI0960
 Project: GSA Hardesty
 Project Number: Kansas City, MO

Received: 09/19/06
 Reported: 09/22/06 13:07

ANALYTICAL REPORT

Analyte	Sample Result	Data Qualifiers	Units	Quan. Limit	Dilution Factor	Date Analyzed	Analyst	Seq/ Batch	Method
Sample ID: CPI0960-10 (Ind. Ave. MH - Waste Water) - cont.						Sampled: 09/18/06 14:20		Recvd: 09/19/06 09:25	
Organochlorine Pesticides/PCBs - cont.									
PCB-1248	<10.0		ug/L	10.0	12.5	09/21/06 12:31	dik	6090909	SW 8082
PCB-1254	<10.0		ug/L	10.0	12.5	09/21/06 12:31	dik	6090909	SW 8082
PCB-1260	<10.0		ug/L	10.0	12.5	09/21/06 12:31	dik	6090909	SW 8082
PCB-1268	<10.0		ug/L	10.0	12.5	09/21/06 12:31	dik	6090909	SW 8082
<i>Surr: Decachlorobiphenyl (10-100%)</i>	<i>41 %</i>								
<i>Surr: Tetrachloro-meta-xylene (22-112%)</i>	<i>39 %</i>								

SCS ENGINEERS
 10975 El Monte, Suite 100
 Overland Park, KS 66211
 Jerrett Domling

Work Order: CPI0960
 Project: GSA Hardesty
 Project Number: Kansas City, MO

Received: 09/19/06
 Reported: 09/22/06 13:07

SAMPLE EXTRACTION DATA

Parameter	Batch	Lab Number	Wt/Vol Extracted	Extracted Vol	Date	Analyst	Extraction Method
Organochlorine Pesticides/PCBs							
SW 8082	6090833	CPI0960-01	0	5	09/19/06 12:32	AC	SW 3545
SW 8082	6090833	CPI0960-01RE1	0	5	09/19/06 12:32	AC	SW 3545
SW 8082	6090833	CPI0960-02	0	5	09/19/06 12:32	AC	SW 3545
SW 8082	6090833	CPI0960-02RE1	0	5	09/19/06 12:32	AC	SW 3545
SW 8082	6090833	CPI0960-03	0	5	09/19/06 12:32	AC	SW 3545
SW 8082	6090833	CPI0960-03RE1	0	5	09/19/06 12:32	AC	SW 3545
SW 8082	6090833	CPI0960-04	0	5	09/19/06 12:32	AC	SW 3545
SW 8082	6090833	CPI0960-05	0	5	09/19/06 12:32	AC	SW 3545
SW 8082	6090833	CPI0960-05RE1	0	5	09/19/06 12:32	AC	SW 3545
SW 8082	6090833	CPI0960-06	0	5	09/19/06 12:32	AC	SW 3545
SW 8082	6090833	CPI0960-06RE1	0	5	09/19/06 12:32	AC	SW 3545
SW 8082	6090833	CPI0960-07	0	5	09/19/06 12:32	AC	SW 3545
SW 8082	6090833	CPI0960-07RE1	0	5	09/19/06 12:32	AC	SW 3545
SW 8082	6090833	CPI0960-08	0	5	09/19/06 12:32	AC	SW 3545
SW 8082	6090833	CPI0960-08RE1	0	5	09/19/06 12:32	AC	SW 3545
SW 8082	6090909	CPI0960-09	120	5	09/20/06 14:08	FMK	SW 3510C GC
SW 8082	6090909	CPI0960-10	80	5	09/20/06 14:08	FMK	SW 3510C GC

SCS ENGINEERS
 10975 El Monte, Suite 100
 Overland Park, KS 66211
 Jerrett Domling

Work Order: CPI0960
 Project: GSA Hardesty
 Project Number: Kansas City, MO

Received: 09/19/06
 Reported: 09/22/06 13:07

MATRIX SPIKE/MATRIX SPIKE DUPLICATE QC DATA

Analyte	Seq/	Source	Spike				Dup	%	Dup	% REC	RPD		Q
	Batch	Result	Level	Units	MDL	MRL	Result	Result	REC	%REC	Limits	RPD	
Organochlorine Pesticides/PCBs													
QC Source Sample: CPI0960-01													
PCB-1232	6090833	<0.80	9.55	mg/kg	N/A	0.955	4.62	4.57	48	47	40-130	1	20
Surrogate: Decachlorobiphenyl	6090833			mg/kg					42	55	10-100		
Surrogate: Tetrachloro-meta-xylene	6090833			mg/kg					41	65	15-105		

SCS ENGINEERS
10975 El Monte, Suite 100
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Jerrett Domling

Work Order: CPI0960
Project: GSA Hardesty
Project Number: Kansas City, MO

Received: 09/19/06
Reported: 09/22/06 13:07

DATA QUALIFIERS AND DEFINITIONS

ADDITIONAL COMMENTS

Results are reported on a wet weight basis unless otherwise noted.

TestAmerica

ANALYTICAL TESTING CORPORATION

Cedar Falls Division
 704 Enterprise Drive
 Cedar Falls, IA 50613

Phone 319-277-2401 or 800-750-2401
 Fax 319-277-2425

Client Name: SCS Engineers Client #: _____
 Address: 10975 Elm Creek Ste 100
 City/State/Zip Code: Oversand Park, IA 56211
 Project Manager: J. Dealing
 Telephone Number: 919-451-7510 Fax: 919-451-7513
 Sampler Name: (Print Name) J. Dealing
 Sampler Signature: [Signature]
 Email Address: j.dealing@scseng-need.com

Project Name: GSA Hierarchy
 Project #: _____
 Site/Location ID: Kansas City State: MO
 Report To: J. Dealing
 Invoice To: Sandy Weeks
 Quote #: _____ PO#: _____

To assist us in using the proper analytical methods,
 is this work being conducted for regulatory purposes?
 Compliance Monitoring Yes

TAT Standard Rush (surcharges may apply)	Date Needed:	Date Sampled	Time Sampled	G = Grab, C = Composite	Field Filtered	Matrix Preservation & # of Containers							Analyze For:	QC Deliverables	REMARKS	
						SL - Sludge DW - Drinking Water	GW - Groundwater S - Solid/Sed	VW - Wastewater	Specfy Other	HNO ₃	HCl	NaOH				H ₂ SO ₄
Bldg. 13 MAH		9-18-06	2:00G													
East Ave. MAH			2:20													
Bldg. 13 T1255			2:45													
Bldg. 13 T1256			2:55													
Bldg. 13 T1257			3:00													
Bldg. 6 Elev. Oil			3:10													
Bldg. 3 T1837			3:20													
Bldg. 10 Drum Oil			3:30													
Bldg. 10 E. Trans.			3:45													
Bldg. 10 C. Trans.			3:55													

Relinquished By: <u>[Signature]</u>	Date: <u>9-18-06</u>	Time: <u>4:45</u>	Received By: <u>[Signature]</u>	Date: <u>9/19/06</u>	Time: <u>9:25</u>
Relinquished By:	Date:	Time:	Received By:	Date:	Time:
Relinquished By:	Date:	Time:	Received By:	Date:	Time:

LABORATORY COMMENTS:

TestAmerica

704 ENTERPRISE DRIVE • CEDAR FALLS, IA 50613 • 800-750-2401 • 319-277-2425 FAX

ANALYTICAL TESTING CORPORATION

Sample Receipt and Temperature Log Form

Client: SES Engineering Project: GSA Hardesty

City: _____

Date: 9-14-06 Receiver's Initials MR Time (Delivered): 9:25

Temperature Record

Cooler ID# (If Applicable) <u>KVF-1</u>
<u>4</u> °C / <u>On Ice</u>

Temp Blank

Temperature out of compliance

Custody seals present?

Yes

Custody seals intact?

Yes No

Non-Conformance report started

Thermometer:

- IR - 905085 "A"
 IR - 809065 "B"
 CF07-03-T2
 22126775

Courier:

<input type="checkbox"/> Airborne	<input type="checkbox"/> Speedy
<input type="checkbox"/> UPS	<input type="checkbox"/> TA Courier
<input type="checkbox"/> Velocity	<input type="checkbox"/> TA Field Svcs
<input checked="" type="checkbox"/> FedEx	<input type="checkbox"/> Client
<input type="checkbox"/> DHL	
<input type="checkbox"/> US Postal	<input type="checkbox"/> Other

Exceptions Noted

Sample(s) not received in a cooler.

Sample(s) received same day of sampling.

Evidence of a chilling process

Temperature not taken:

Log-In by:

CW MF EM

OT _____

*Refer to SOP CF01-01 for Temperature Criteria

C:\QA Folder\QA Forms & Log Book pgs\Cooler Receipt rev7.doc

September 22, 2006

Client:

SCS ENGINEERS
10975 El Monte, Suite 100
Overland Park, KS 66211

Work Order: CPI1033
Project Name: GSA Hardesty
Project Number: Kansas City, MO

Attn: Jerrett Domling

Date Received: 09/20/06

An executed copy of the chain of custody is also included as an addendum to this report.

If you have any questions relating to this analytical report, please contact your Laboratory Project Manager at 1-(800)750-2401

SAMPLE IDENTIFICATION	LAB NUMBER	COLLECTION DATE AND TIME
Bldg 13 Switch 1261	CPI1033-01	09/19/06 09:20
Bldg 13 Switch 1260	CPI1033-02	09/19/06 09:30
Bldg 13 West Switch	CPI1033-03	09/19/06 09:35
Bldg 13 5 Gallon Can	CPI1033-04	09/19/06 09:40
Bldg 3 Switch Composite	CPI1033-05	09/19/06 10:00
Bldg 11 2nd Flr Trans	CPI1033-06	09/19/06 11:00
Bldg 11 1st Flr Oil	CPI1033-07	09/19/06 11:10
Bldg 11 Basement Trans Oil	CPI1033-08	09/19/06 11:30
Bldg 11 Basement Floor Oil	CPI1033-09	09/19/06 11:40
Bldg 10 Basement East Spill	CPI1033-10	09/19/06 13:06
Bldg 10 Basement Center Spill	CPI1033-11	09/19/06 13:15
Bldg 10 Basement West Spill	CPI1033-12	09/19/06 13:20
Bldg 10 W. Trans	CPI1033-13	09/19/06 13:25
Bldg 10 Basement West Flr Drain	CPI1033-14	09/19/06 13:35
Bldg 10 Basement Center Flr Drain	CPI1033-15	09/19/06 13:45

Samples were received into laboratory on ice.

Most environmental analytical testing methods require a sample temperature of 4 degrees C +/- 2 degrees C for preservation of the sample constituents prior to analysis. If sample temperatures are outside of this temperature range at the time of sample receipt, results may be impacted. Please refer to the Temperature and Sample Receipt form that is included with this report for additional information regarding the condition of samples at the time of receipt by the laboratory.

The reported results were obtained in compliance with the 2003 NELAC standards unless otherwise noted.

Reproduction of this analytical report is permitted only in its entirety. This report shall not be reproduced except in full without the written approval of the laboratory.

TestAmerica Analytical Testing Corporation certifies that the analytical results contained herein apply only to the specific sample analyzed.

Approved By:



TestAmerica - Cedar Falls, IA
Derrick Klinkenberg
Organics Manager

SCS ENGINEERS
 10975 El Monte, Suite 100
 Overland Park, KS 66211
 Jerrett Domling

Work Order: CPI1033
 Project: GSA Hardesty
 Project Number: Kansas City, MO

Received: 09/20/06
 Reported: 09/22/06 13:08

ANALYTICAL REPORT

Analyte	Sample Result	Data Qualifiers	Units	Quan. Limit	Dilution Factor	Date Analyzed	Analyst	Seq/ Batch	Method
Sample ID: CPI1033-01 (Bldg 13 Switch 1261 - Oil)				Sampled: 09/19/06 09:20			Recvd: 09/20/06 09:35		
Organochlorine Pesticides/PCBs									
PCB-1016	<0.928		mg/kg	0.928	1.16	09/20/06 17:22	ac	6090898	SW 8082
PCB-1221	<0.928		mg/kg	0.928	1.16	09/20/06 17:22	ac	6090898	SW 8082
PCB-1232	<0.928		mg/kg	0.928	1.16	09/20/06 17:22	ac	6090898	SW 8082
PCB-1242	<0.928		mg/kg	0.928	1.16	09/20/06 17:22	ac	6090898	SW 8082
PCB-1248	<0.928		mg/kg	0.928	1.16	09/20/06 17:22	ac	6090898	SW 8082
PCB-1254	<0.928		mg/kg	0.928	1.16	09/20/06 17:22	ac	6090898	SW 8082
PCB-1260	1.34		mg/kg	0.928	1.16	09/21/06 22:56	dik	6090898	SW 8082
PCB-1268	<0.928		mg/kg	0.928	1.16	09/20/06 17:22	ac	6090898	SW 8082
Total PCBs	1.34		mg/kg	0.928	1.16	09/21/06 22:56	dik	6090898	SW 8082
<i>Surr: Decachlorobiphenyl (10-100%)</i>	62 %								
<i>Surr: Tetrachloro-meta-xylene (15-105%)</i>	37 %								
Sample ID: CPI1033-02 (Bldg 13 Switch 1260 - Oil)				Sampled: 09/19/06 09:30			Recvd: 09/20/06 09:35		
Organochlorine Pesticides/PCBs									
PCB-1016	<0.0935		mg/kg	0.0935	0.117	09/20/06 18:05	ac	6090898	SW 8082
PCB-1221	<0.0935		mg/kg	0.0935	0.117	09/20/06 18:05	ac	6090898	SW 8082
PCB-1232	<0.0935		mg/kg	0.0935	0.117	09/20/06 18:05	ac	6090898	SW 8082
PCB-1242	<0.0935		mg/kg	0.0935	0.117	09/20/06 18:05	ac	6090898	SW 8082
PCB-1248	<0.0935		mg/kg	0.0935	0.117	09/20/06 18:05	ac	6090898	SW 8082
PCB-1254	<0.0935		mg/kg	0.0935	0.117	09/20/06 18:05	ac	6090898	SW 8082
PCB-1260	0.256		mg/kg	0.0935	0.117	09/21/06 23:33	dik	6090898	SW 8082
PCB-1268	<0.0935		mg/kg	0.0935	0.117	09/20/06 18:05	ac	6090898	SW 8082
Total PCBs	0.256		mg/kg	0.0935	0.117	09/21/06 23:33	dik	6090898	SW 8082
<i>Surr: Decachlorobiphenyl (10-100%)</i>	70 %								
<i>Surr: Tetrachloro-meta-xylene (15-105%)</i>	78 %								
Sample ID: CPI1033-03 (Bldg 13 West Switch - Oil)				Sampled: 09/19/06 09:35			Recvd: 09/20/06 09:35		
Organochlorine Pesticides/PCBs									
PCB-1016	<0.978		mg/kg	0.978	1.22	09/20/06 18:46	ac	6090898	SW 8082
PCB-1221	<0.978		mg/kg	0.978	1.22	09/20/06 18:46	ac	6090898	SW 8082
PCB-1232	<0.978		mg/kg	0.978	1.22	09/20/06 18:46	ac	6090898	SW 8082
PCB-1242	<0.978		mg/kg	0.978	1.22	09/20/06 18:46	ac	6090898	SW 8082
PCB-1248	<0.978		mg/kg	0.978	1.22	09/20/06 18:46	ac	6090898	SW 8082
PCB-1254	<0.978		mg/kg	0.978	1.22	09/20/06 18:46	ac	6090898	SW 8082
PCB-1260	<0.978		mg/kg	0.978	1.22	09/22/06 00:09	dik	6090898	SW 8082
PCB-1268	<0.978		mg/kg	0.978	1.22	09/20/06 18:46	ac	6090898	SW 8082
Total PCBs	<0.978		mg/kg	0.978	1.22	09/22/06 00:09	dik	6090898	SW 8082
<i>Surr: Decachlorobiphenyl (10-100%)</i>	61 %								
<i>Surr: Tetrachloro-meta-xylene (15-105%)</i>	28 %								

SCS ENGINEERS
10975 El Monte, Suite 100
Overland Park, KS 66211
Jerrett Domling

Work Order: CPI1033
Project: GSA Hardesty
Project Number: Kansas City, MO

Received: 09/20/06
Reported: 09/22/06 13:08

ANALYTICAL REPORT

Analyte	Sample Result	Data Qualifiers	Units	Quan. Limit	Dilution Factor	Date Analyzed	Analyst	Seq/ Batch	Method
Sample ID: CPI1033-04 (Bldg 13 5 Gallon Can - Oil)				Sampled: 09/19/06 09:40			Recvd: 09/20/06 09:35		
Organochlorine Pesticides/PCBs									
PCB-1016	<0.935		mg/kg	0.935	1.17	09/20/06 19:28	ac	6090898	SW 8082
PCB-1221	<0.935		mg/kg	0.935	1.17	09/20/06 19:28	ac	6090898	SW 8082
PCB-1232	<0.935		mg/kg	0.935	1.17	09/20/06 19:28	ac	6090898	SW 8082
PCB-1242	<0.935		mg/kg	0.935	1.17	09/20/06 19:28	ac	6090898	SW 8082
PCB-1248	<0.935		mg/kg	0.935	1.17	09/20/06 19:28	ac	6090898	SW 8082
PCB-1254	<0.935		mg/kg	0.935	1.17	09/20/06 19:28	ac	6090898	SW 8082
PCB-1260	<0.935		mg/kg	0.935	1.17	09/22/06 00:46	dlk	6090898	SW 8082
PCB-1268	<0.935		mg/kg	0.935	1.17	09/20/06 19:28	ac	6090898	SW 8082
Total PCBs	<0.935		mg/kg	0.935	1.17	09/22/06 00:46	dlk	6090898	SW 8082
Surr: Decachlorobiphenyl (10-100%)	76 %								
Surr: Tetrachloro-meta-xylene (15-105%)	18 %								
Sample ID: CPI1033-05 (Bldg 3 Switch Composite - Oil)				Sampled: 09/19/06 10:00			Recvd: 09/20/06 09:35		
Organochlorine Pesticides/PCBs									
PCB-1016	<0.930		mg/kg	0.930	1.16	09/20/06 20:11	ac	6090898	SW 8082
PCB-1221	<0.930		mg/kg	0.930	1.16	09/20/06 20:11	ac	6090898	SW 8082
PCB-1232	<0.930		mg/kg	0.930	1.16	09/20/06 20:11	ac	6090898	SW 8082
PCB-1242	<0.930		mg/kg	0.930	1.16	09/20/06 20:11	ac	6090898	SW 8082
PCB-1248	<0.930		mg/kg	0.930	1.16	09/20/06 20:11	ac	6090898	SW 8082
PCB-1254	<0.930		mg/kg	0.930	1.16	09/20/06 20:11	ac	6090898	SW 8082
PCB-1260	<0.930		mg/kg	0.930	1.16	09/22/06 01:22	dlk	6090898	SW 8082
PCB-1268	<0.930		mg/kg	0.930	1.16	09/20/06 20:11	ac	6090898	SW 8082
Total PCBs	<0.930		mg/kg	0.930	1.16	09/22/06 01:22	dlk	6090898	SW 8082
Surr: Decachlorobiphenyl (10-100%)	46 %								
Surr: Tetrachloro-meta-xylene (15-105%)	61 %								
Sample ID: CPI1033-06 (Bldg 11 2nd Flr Trans - Oil)				Sampled: 09/19/06 11:00			Recvd: 09/20/06 09:35		
Organochlorine Pesticides/PCBs									
PCB-1016	<0.993		mg/kg	0.993	1.24	09/20/06 20:54	ac	6090898	SW 8082
PCB-1221	<0.993		mg/kg	0.993	1.24	09/20/06 20:54	ac	6090898	SW 8082
PCB-1232	<0.993		mg/kg	0.993	1.24	09/20/06 20:54	ac	6090898	SW 8082
PCB-1242	<0.993		mg/kg	0.993	1.24	09/20/06 20:54	ac	6090898	SW 8082
PCB-1248	<0.993		mg/kg	0.993	1.24	09/20/06 20:54	ac	6090898	SW 8082
PCB-1254	<0.993		mg/kg	0.993	1.24	09/20/06 20:54	ac	6090898	SW 8082
PCB-1260	<0.993		mg/kg	0.993	1.24	09/20/06 20:54	ac	6090898	SW 8082
PCB-1268	<0.993		mg/kg	0.993	1.24	09/20/06 20:54	ac	6090898	SW 8082
Total PCBs	<0.993		mg/kg	0.993	1.24	09/20/06 20:54	ac	6090898	SW 8082
Surr: Decachlorobiphenyl (10-100%)	14 %								
Surr: Tetrachloro-meta-xylene (15-105%)	52 %								

SCS ENGINEERS
10975 El Monte, Suite 100
Overland Park, KS 66211
Jerrett Domling

Work Order: CPI1033
Project: GSA Hardesty
Project Number: Kansas City, MO

Received: 09/20/06
Reported: 09/22/06 13:08

ANALYTICAL REPORT

Analyte	Sample Result	Data Qualifiers	Units	Quan. Limit	Dilution Factor	Date Analyzed	Analyst	Seq/ Batch	Method
Sample ID: CPI1033-13 (Bldg 10 W. Trans - Oil)				Sampled: 09/19/06 13:25			Recvd: 09/20/06 09:35		
Organochlorine Pesticides/PCBs									
PCB-1016	<0.937		mg/kg	0.937	1.17	09/20/06 23:44	ac	6090898	SW 8082
PCB-1221	<0.937		mg/kg	0.937	1.17	09/20/06 23:44	ac	6090898	SW 8082
PCB-1232	<0.937		mg/kg	0.937	1.17	09/20/06 23:44	ac	6090898	SW 8082
PCB-1242	<0.937		mg/kg	0.937	1.17	09/20/06 23:44	ac	6090898	SW 8082
PCB-1248	<0.937		mg/kg	0.937	1.17	09/20/06 23:44	ac	6090898	SW 8082
PCB-1254	<0.937		mg/kg	0.937	1.17	09/20/06 23:44	ac	6090898	SW 8082
PCB-1260	23.7		mg/kg	1.87	2.34	09/22/06 02:36	dik	6090898	SW 8082
PCB-1268	<0.937		mg/kg	0.937	1.17	09/20/06 23:44	ac	6090898	SW 8082
Total PCBs	23.7		mg/kg	1.87	2.34	09/22/06 02:36	dik	6090898	SW 8082
<i>Surr: Decachlorobiphenyl (10-100%)</i>	<i>11 %</i>								
<i>Surr: Tetrachloro-meta-xylene (15-105%)</i>	<i>60 %</i>								
Sample ID: CPI1033-14 (Bldg 10 Basement West Flr Drain - Waste Water)				Sampled: 09/19/06 13:35			Recvd: 09/20/06 09:35		
Organochlorine Pesticides/PCBs									
PCB-1016	<7.27		ug/L	7.27	9.09	09/21/06 13:08	dik	6090909	SW 8082
PCB-1221	<7.27		ug/L	7.27	9.09	09/21/06 13:08	dik	6090909	SW 8082
PCB-1232	<7.27		ug/L	7.27	9.09	09/21/06 13:08	dik	6090909	SW 8082
PCB-1242	<7.27		ug/L	7.27	9.09	09/21/06 13:08	dik	6090909	SW 8082
PCB-1248	<7.27		ug/L	7.27	9.09	09/21/06 13:08	dik	6090909	SW 8082
PCB-1254	<7.27		ug/L	7.27	9.09	09/21/06 13:08	dik	6090909	SW 8082
PCB-1260	<7.27		ug/L	7.27	9.09	09/21/06 13:08	dik	6090909	SW 8082
PCB-1268	<7.27		ug/L	7.27	9.09	09/21/06 13:08	dik	6090909	SW 8082
<i>Surr: Decachlorobiphenyl (10-100%)</i>	<i>32 %</i>								
<i>Surr: Tetrachloro-meta-xylene (22-112%)</i>	<i>45 %</i>								
Sample ID: CPI1033-15 (Bldg 10 Basement Center Flr Drain - Waste Water)				Sampled: 09/19/06 13:45			Recvd: 09/20/06 09:35		
Organochlorine Pesticides/PCBs									
PCB-1016	<8.00		ug/L	8.00	10	09/21/06 13:46	dik	6090909	SW 8082
PCB-1221	<8.00		ug/L	8.00	10	09/21/06 13:46	dik	6090909	SW 8082
PCB-1232	<8.00		ug/L	8.00	10	09/21/06 13:46	dik	6090909	SW 8082
PCB-1242	<8.00		ug/L	8.00	10	09/21/06 13:46	dik	6090909	SW 8082
PCB-1248	<8.00		ug/L	8.00	10	09/21/06 13:46	dik	6090909	SW 8082
PCB-1254	<8.00		ug/L	8.00	10	09/21/06 13:46	dik	6090909	SW 8082
PCB-1260	<8.00		ug/L	8.00	10	09/21/06 13:46	dik	6090909	SW 8082
PCB-1268	<8.00		ug/L	8.00	10	09/21/06 13:46	dik	6090909	SW 8082
<i>Surr: Decachlorobiphenyl (10-100%)</i>	<i>14 %</i>								
<i>Surr: Tetrachloro-meta-xylene (22-112%)</i>	<i>48 %</i>								

SCS ENGINEERS
 10975 El Monte, Suite 100
 Overland Park, KS 66211
 Jerrett Domling

Work Order: CPI1033
 Project: GSA Hardesty
 Project Number: Kansas City, MO

Received: 09/20/06
 Reported: 09/22/06 13:08

SAMPLE EXTRACTION DATA

Parameter	Batch	Lab Number	Wt/Vol Extracted	Extracted Vol	Date	Analyst	Extraction Method
Organochlorine Pesticides/PCBs							
SW 8082	6090898	CPI1033-01	0	5	09/20/06 12:03	AC	SW 3545
SW 8082	6090898	CPI1033-01RE1	0	5	09/20/06 12:03	AC	SW 3545
SW 8082	6090898	CPI1033-02	4	5	09/20/06 12:03	AC	SW 3545
SW 8082	6090898	CPI1033-02RE1	4	5	09/20/06 12:03	AC	SW 3545
SW 8082	6090898	CPI1033-03	0	5	09/20/06 12:03	AC	SW 3545
SW 8082	6090898	CPI1033-03RE1	0	5	09/20/06 12:03	AC	SW 3545
SW 8082	6090898	CPI1033-04	0	5	09/20/06 12:03	AC	SW 3545
SW 8082	6090898	CPI1033-04RE1	0	5	09/20/06 12:03	AC	SW 3545
SW 8082	6090898	CPI1033-05	0	5	09/20/06 12:03	AC	SW 3545
SW 8082	6090898	CPI1033-05RE1	0	5	09/20/06 12:03	AC	SW 3545
SW 8082	6090898	CPI1033-06	0	5	09/20/06 12:03	AC	SW 3545
SW 8082	6090898	CPI1033-07	0	5	09/20/06 12:03	AC	SW 3545
SW 8082	6090898	CPI1033-08	0	5	09/20/06 12:03	AC	SW 3545
SW 8082	6090898	CPI1033-09	0	5	09/20/06 12:03	AC	SW 3545
SW 8082	6090898	CPI1033-09RE1	0	5	09/20/06 12:03	AC	SW 3545
SW 8082	6090888	CPI1033-10	1	10	09/20/06 11:02	JLC	SW 3550B GC
SW 8082	6090888	CPI1033-10RE1	1	10	09/20/06 11:02	JLC	SW 3550B GC
SW 8082	6090888	CPI1033-11	1	20	09/20/06 11:02	JLC	SW 3550B GC
SW 8082	6090888	CPI1033-11RE1	1	20	09/20/06 11:02	JLC	SW 3550B GC
SW 8082	6090888	CPI1033-12	1	10	09/20/06 11:02	JLC	SW 3550B GC
SW 8082	6090888	CPI1033-12RE1	1	10	09/20/06 11:02	JLC	SW 3550B GC
SW 8082	6090898	CPI1033-13	0	5	09/20/06 12:03	AC	SW 3545
SW 8082	6090898	CPI1033-13RE1	0	5	09/20/06 12:03	AC	SW 3545
SW 8082	6090909	CPI1033-14	110	5	09/20/06 14:08	FMK	SW 3510C GC
SW 8082	6090909	CPI1033-15	100	5	09/20/06 14:08	FMK	SW 3510C GC

SCS ENGINEERS
10975 El Monte, Suite 100
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Jerrett Domling

Work Order: CPI1033
Project: GSA Hardesty
Project Number: Kansas City, MO

Received: 09/20/06
Reported: 09/22/06 13:08

LABORATORY BLANK QC DATA

Analyte	Seq/ Batch	Source Result	Spike Level	Units	MDL	MRL	Result	Dup Result	% REC	Dup %REC	% REC Limits	RPD RPD	RPD Limit	Q
Organochlorine Pesticides/PCBs														
PCB-1016	6090888			ug/Wipe	N/A	1.00	<1.00							
PCB-1221	6090888			ug/Wipe	N/A	1.00	<1.00							
PCB-1232	6090888			ug/Wipe	N/A	1.00	<1.00							
PCB-1242	6090888			ug/Wipe	N/A	1.00	<1.00							
PCB-1248	6090888			ug/Wipe	N/A	1.00	<1.00							
PCB-1254	6090888			ug/Wipe	N/A	1.00	<1.00							
PCB-1260	6090888			ug/Wipe	N/A	1.00	<1.00							
PCB-1268	6090888			ug/Wipe	N/A	1.00	<1.00							
Total PCBs	6090888			ug/Wipe	N/A	1.00	<1.00							
Surrogate: Decachlorobiphenyl	6090888			ug/Wipe					87		56-146			
Surrogate: Tetrachloro-meta-xylene	6090888			ug/Wipe					74		42-132			
PCB-1016	6090898			mg/kg	N/A	1.03	<1.03							
PCB-1221	6090898			mg/kg	N/A	1.03	<1.03							
PCB-1232	6090898			mg/kg	N/A	1.03	<1.03							
PCB-1242	6090898			mg/kg	N/A	1.03	<1.03							
PCB-1248	6090898			mg/kg	N/A	1.03	<1.03							
PCB-1254	6090898			mg/kg	N/A	1.03	<1.03							
PCB-1260	6090898			mg/kg	N/A	1.03	<1.03							
PCB-1268	6090898			mg/kg	N/A	1.03	<1.03							
Total PCBs	6090898			mg/kg	N/A	1.03	<1.03							
Surrogate: Decachlorobiphenyl	6090898			mg/kg					13		10-100			
Surrogate: Tetrachloro-meta-xylene	6090898			mg/kg					20		15-105			
PCB-1016	6090909			ug/L	N/A	0.800	<0.800							
PCB-1221	6090909			ug/L	N/A	0.800	<0.800							
PCB-1232	6090909			ug/L	N/A	0.800	<0.800							
PCB-1242	6090909			ug/L	N/A	0.800	<0.800							
PCB-1248	6090909			ug/L	N/A	0.800	<0.800							
PCB-1254	6090909			ug/L	N/A	0.800	<0.800							
PCB-1260	6090909			ug/L	N/A	0.800	<0.800							
PCB-1268	6090909			ug/L	N/A	0.800	<0.800							
Surrogate: Decachlorobiphenyl	6090909			ug/L					22		10-100			
Surrogate: Tetrachloro-meta-xylene	6090909			ug/L					50		22-112			

SCS ENGINEERS
10975 El Monte, Suite 100
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Jerrett Domling

Work Order: CPI1033
Project: GSA Hardesty
Project Number: Kansas City, MO

Received: 09/20/06
Reported: 09/22/06 13:08

CCV QC DATA

Analyte	Seq/ Batch	Source Result	Spike Level	Units	MDL	MRL	Result	Dup Result	% REC	Dup %REC	% REC Limits	RPD RPD	RPD Limit	Q
Organochlorine Pesticides/PCBs														
PCB-1268	6121002		0.960	ug/mL	N/A	N/A	0.971		101		85-115			
Surrogate: Decachlorobiphenyl	6121002			ug/mL					102		85-115			
Surrogate: Tetrachloro-meta-xylene	6121002			ug/mL					101		85-115			
PCB-1268	6121002		0.960	ug/mL	N/A	N/A	0.897		93		85-115			
Surrogate: Decachlorobiphenyl	6121002			ug/mL					93		85-115			
Surrogate: Tetrachloro-meta-xylene	6121002			ug/mL					92		85-115			
PCB-1268	6121002		0.960	ug/mL	N/A	N/A	0.902		94		85-115			
Surrogate: Decachlorobiphenyl	6121002			ug/mL					94		85-115			
Surrogate: Tetrachloro-meta-xylene	6121002			ug/mL					93		85-115			
PCB-1268	6121002		0.960	ug/mL	N/A	N/A	0.918		96		85-115			
Surrogate: Decachlorobiphenyl	6121002			ug/mL					90		85-115			
Surrogate: Tetrachloro-meta-xylene	6121002			ug/mL					96		85-115			
PCB-1268	6121002		0.960	ug/mL	N/A	N/A	0.914		95		85-115			
Surrogate: Decachlorobiphenyl	6121002			ug/mL					89		85-115			
Surrogate: Tetrachloro-meta-xylene	6121002			ug/mL					98		85-115			
PCB-1232	6121007		0.960	ug/mL	N/A	N/A	0.990		103		85-115			
Surrogate: Decachlorobiphenyl	6121007			ug/mL					107		85-115			
Surrogate: Tetrachloro-meta-xylene	6121007			ug/mL					109		85-115			
PCB-1232	6121007		0.960	ug/mL	N/A	N/A	0.899		94		85-115			
Surrogate: Decachlorobiphenyl	6121007			ug/mL					25		85-115			CI
Surrogate: Tetrachloro-meta-xylene	6121007			ug/mL					103		85-115			
PCB-1260	6121009		0.960	ug/mL	N/A	N/A	1.01		105		85-115			
PCB-1260	6121009		0.960	ug/mL	N/A	N/A	1.01		105		85-115			
Surrogate: Decachlorobiphenyl	6121009			ug/mL					101		85-115			
Surrogate: Decachlorobiphenyl	6121009			ug/mL					101		85-115			
Surrogate: Tetrachloro-meta-xylene	6121009			ug/mL					104		85-115			
Surrogate: Tetrachloro-meta-xylene	6121009			ug/mL					104		85-115			
PCB-1260	6121009		0.960	ug/mL	N/A	N/A	0.982		102		85-115			
PCB-1260	6121009		0.960	ug/mL	N/A	N/A	0.982		102		85-115			
Surrogate: Decachlorobiphenyl	6121009			ug/mL					98		85-115			
Surrogate: Decachlorobiphenyl	6121009			ug/mL					98		85-115			
Surrogate: Tetrachloro-meta-xylene	6121009			ug/mL					101		85-115			
Surrogate: Tetrachloro-meta-xylene	6121009			ug/mL					101		85-115			

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10975 El Monte, Suite 100
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Jerrett Domling

Work Order: CPI1033
Project: GSA Hardesty
Project Number: Kansas City, MO

Received: 09/20/06
Reported: 09/22/06 13:08

CCV QC DATA

Analyte	Seq/ Batch	Source Result	Spike Level	Units	MDL	MRL	Result	Dup Result	% REC	Dup %REC	% REC Limits	RPD	Limit	Q
Organochlorine Pesticides/PCBs														
PCB-1260	6121009		0.960	ug/mL	N/A	N/A	1.00		104		85-115			
PCB-1260	6121009		0.960	ug/mL	N/A	N/A	1.00		104		85-115			
Surrogate: Decachlorobiphenyl	6121009			ug/mL					99		85-115			
Surrogate: Decachlorobiphenyl	6121009			ug/mL					99		85-115			
Surrogate: Tetrachloro-meta-xylene	6121009			ug/mL					103		85-115			
Surrogate: Tetrachloro-meta-xylene	6121009			ug/mL					103		85-115			
PCB-1260	6121009		0.960	ug/mL	N/A	N/A	0.920		96		85-115			
PCB-1260	6121009		0.960	ug/mL	N/A	N/A	0.920		96		85-115			
Surrogate: Decachlorobiphenyl	6121009			ug/mL					90		85-115			
Surrogate: Decachlorobiphenyl	6121009			ug/mL					90		85-115			
Surrogate: Tetrachloro-meta-xylene	6121009			ug/mL					108		85-115			
Surrogate: Tetrachloro-meta-xylene	6121009			ug/mL					108		85-115			
PCB-1260	6122006		0.960	ug/mL	N/A	N/A	0.920		96		85-115			
Surrogate: Decachlorobiphenyl	6122006			ug/mL					90		85-115			
Surrogate: Tetrachloro-meta-xylene	6122006			ug/mL					108		85-115			

SCS ENGINEERS
10975 El Monte, Suite 100
Overland Park, KS 66211
Jerrett Domling

Work Order: CPI1033
Project: GSA Hardesty
Project Number: Kansas City, MO

Received: 09/20/06
Reported: 09/22/06 13:08

LCS/LCS DUPLICATE QC DATA

Analyte	Seq/ Batch	Source Result	Spike Level	Units	MDL	MRL	Result	Dup Result	% REC	Dup %REC	% REC Limits	RPD	RPD Limit	Q
Organochlorine Pesticides/PCBs														
PCB-1268	6090888		10.0	ug/Wipe	N/A	1.00	7.91	7.87	79	79	43-133	1	20	
Surrogate: Decachlorobiphenyl	6090888			ug/Wipe					99	97	56-146			
Surrogate: Tetrachloro-meta-xylene	6090888			ug/Wipe					71	70	42-132			
PCB-1232	6090898		10.0	mg/kg	N/A	1.00	3.66		37		29-119			
Surrogate: Decachlorobiphenyl	6090898			mg/kg					13		10-100			
Surrogate: Tetrachloro-meta-xylene	6090898			mg/kg					38		15-105			
PCB-1268	6090909		5.00	ug/L	N/A	0.800	2.67	3.02	53	60	29-119	12	20	
Surrogate: Decachlorobiphenyl	6090909			ug/L					24	23	10-100			
Surrogate: Tetrachloro-meta-xylene	6090909			ug/L					45	49	22-112			

SCS ENGINEERS
 10975 El Monte, Suite 100
 Overland Park, KS 66211
 Jerrett Domling

Work Order: CPI1033
 Project: GSA Hardesty
 Project Number: Kansas City, MO

Received: 09/20/06
 Reported: 09/22/06 13:08

MATRIX SPIKE/MATRIX SPIKE DUPLICATE QC DATA

Analyte	Seq/ Batch	Source Result	Spike Level	Units	MDL	MRL	Result	Dup Result	% REC	Dup %REC	% REC Limits	RPD	RPD Limit	Q
Organochlorine Pesticides/PCBs														
QC Source Sample: CPI1033-01														
PCB-1232	6090898	<0.80	9.46	mg/kg	N/A	0.946	5.46	6.58	58	69	40-130	19	20	
Surrogate: Decachlorobiphenyl	6090898			mg/kg					43	56	10-100			
Surrogate: Tetrachloro-meta-xylene	6090898			mg/kg					28	29	15-105			

SCS ENGINEERS
10975 El Monte, Suite 100
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Jerrett Domling

Work Order: CPI1033
Project: GSA Hardesty
Project Number: Kansas City, MO

Received: 09/20/06
Reported: 09/22/06 13:08

DATA QUALIFIERS AND DEFINITIONS

C1 Closing CCV out of control due to interference from previous sample.
Z6 Surrogate recovery was outside control limits.

ADDITIONAL COMMENTS

Results are reported on a wet weight basis unless otherwise noted.

TestAmerica

ANALYTICAL TESTING CORPORATION

Cedar Falls Division
704 Enterprise Drive
Cedar Falls, IA 50613

Phone 319-277-2401 or 800-750-2401
Fax 319-277-2425

To assist us in using the proper analytical methods,
is this work being conducted for regulatory purposes?
Compliance Monitoring Yes

Client Name: S&S Engineers Client #: _____
Address: 10975 El Monte Ste 100
City/State/Zip Code: Overland Park, KS 66211
Project Manager: Tarrett Dealings
Telephone Number: 913-451-7510 Fax: 913-451-7513
Sampler Name: (Print Name) Tarrett Dealings
Sampler Signature: [Signature]
Email Address: jdealings@seseng.com

Project Name: 6 SA Handsets
Project #: _____
Site/Location ID: Kansas City State: MO
Report To: Tarrett Dealings
Invoice To: Sandy Weekes
Quote #: _____ PO#: _____

TAT Standard	Date Needed:	Date Sampled	Time Sampled	G = Grab C = Composite	Field Filtered	Matrix Preservation & # of Containers							Analyze For:	QC Deliverables	REMARKS
						SL - Sludge DW - Drinking Water	GW - Groundwater S - Soil/Solid	MW - Wastewater	Specify Other	HNO ₃	HCl	NaOH			
<input checked="" type="checkbox"/> Rush (surcharges may apply) <u>48 hr. Turn around</u>															
SAMPLE ID															
<u>Blg 13 Switch 1261</u>		<u>9-19-06</u>	<u>9:20</u>	<u>6</u>											<u>Shipped</u>
<u>Blg 13 Switch 1260</u>		<u>9:30</u>	<u>6</u>												<u>two coolers</u>
<u>Blg 13 West Switch</u>		<u>9:35</u>	<u>6</u>												
<u>Blg 13 Sgallon Can</u>		<u>9:40</u>	<u>6</u>												
<u>Blg 3 Switch Composite</u>		<u>10:00</u>	<u>6</u>												
<u>Blg 11 Inst Fl. Trans</u>		<u>11:00</u>	<u>6</u>												
<u>Blg 11 14 Flr. Oil</u>		<u>11:10</u>	<u>6</u>												
<u>Blg 11 Basement Trans Oil</u>		<u>11:30</u>	<u>6</u>												
<u>Blg 11 Basement Floor Oil</u>		<u>11:40</u>	<u>6</u>												
<u>Blg 10 Rest East Spill</u>		<u>1:06</u>	<u>6</u>												
Special Instructions:															

Relinquished By: <u>[Signature]</u>	Date: <u>9-19-06</u>	Time: <u>3:30</u>	Received By:	Date:	Time:
Relinquished By:	Date:	Time:	Received By:	Date:	Time:
Relinquished By:	Date:	Time:	Received By: <u>[Signature]</u>	Date: <u>9/20/06</u>	Time: <u>5:30</u>

Sample Receipt and Temperature Log Form

Client: SCS Engineers Project: _____

City: _____

Date: 9-20-04 Receiver's Initials EM Time (Delivered): 8:35

Temperature Record

Cooler ID# (if Applicable)
TH 018
1 °C / On Ice

Temp Blank

Temperature out of compliance

Custody seals present?

Yes

Custody seals intact?

Yes No

Non-Conformance report started

Thermometer:

- IR - 905085 "A"
 IR - 809065 "B"
 CF07-03-T2
 22126775

Courier:

<input type="checkbox"/> Airborne	<input type="checkbox"/> Speedy
<input type="checkbox"/> UPS	<input type="checkbox"/> TA Courier
<input type="checkbox"/> Velocity	<input type="checkbox"/> TA Field Svs
<input checked="" type="checkbox"/> FedEx	<input type="checkbox"/> Client
<input type="checkbox"/> DHL	
<input type="checkbox"/> US Postal	<input type="checkbox"/> Other

Exceptions Noted

Sample(s) not received in a cooler.

Samples(s) received same day of sampling.

Evidence of a chilling process

Temperature not taken:

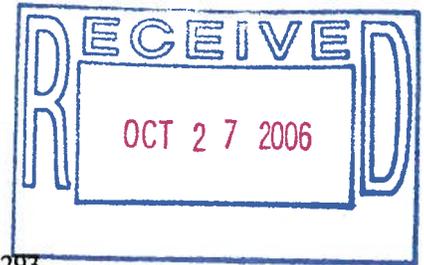
Log-In by:

CW MF EM

OT _____

*Refer to SOP CF01-01 for Temperature Criteria

October 25, 2006



Client:

SCS ENGINEERS
10975 El Monte, Suite 100
Overland Park, KS 66211

Work Order: CPJ1293
Project Name: GSA Hardesty
Project Number: 02200070.61

Attn: Jerrett Domling

Date Received: 10/21/06

An executed copy of the chain of custody is also included as an addendum to this report

If you have any questions relating to this analytical report please contact your Laboratory Project Manager at 1-(800)750-2401

SAMPLE IDENTIFICATION	LAB NUMBER	COLLECTION DATE AND TIME
Bldg 13 Overhead Switch	CPJ1293-01	10/20/06 11:30

Samples were received into laboratory on ice.

Most environmental analytical testing methods require a sample temperature of 4 degrees C +/- 2 degrees C for preservation of the sample constituents prior to analysis. If sample temperatures are outside of this temperature range at the time of sample receipt results may be impacted. Please refer to the Temperature and Sample Receipt form that is included with this report for additional information regarding the condition of samples at the time of receipt by the laboratory.

The reported results were obtained in compliance with the 2003 NELAC standards unless otherwise noted.

Reproduction of this analytical report is permitted only in its entirety. This report shall not be reproduced except in full without the written approval of the laboratory.

TestAmerica Analytical Testing Corporation certifies that the analytical results contained herein apply only to the specific sample analyzed.

Approved By:

A handwritten signature in black ink that reads "Angela Miller".

TestAmerica - Cedar Falls, IA
Angie Miller
Project Coordinator

SCS ENGINEERS
 10975 El Monte, Suite 100
 Overland Park, KS 66211
 Jerrett Domling

Work Order: CPJ1293
 Project: GSA Hardesty
 Project Number: 02200070.61

Received: 10/21/06
 Reported: 10/25/06 10:12

ANALYTICAL REPORT

Analyte	Sample Result	Data Qualifiers	Units	Quan. Limit	Dilution Factor	Date Analyzed	Seq/Analyst	Batch	Method
Sample ID: CPJ1293-01 (Bldg 13 Overhead Switch - Wipe)						Sampled: 10/20/06 11:30	Recvd: 10/21/06 09:15		
Organochlorine Pesticides/PCBs									
B-1016	<1.00		ug/Wipe	1.00	1	10/24/06 17:53	dlk	6101108	SW 8082
B-1221	<1.00		ug/Wipe	1.00	1	10/24/06 17:53	dlk	6101108	SW 8082
B-1232	<1.00		ug/Wipe	1.00	1	10/24/06 17:53	dlk	6101108	SW 8082
B-1242	<1.00		ug/Wipe	1.00	1	10/24/06 17:53	dlk	6101108	SW 8082
B-1248	<1.00		ug/Wipe	1.00	1	10/24/06 17:53	dlk	6101108	SW 8082
B-1254	<1.00		ug/Wipe	1.00	1	10/24/06 17:53	dlk	6101108	SW 8082
B-1260	3.59		ug/Wipe	1.00	1	10/24/06 17:53	dlk	6101108	SW 8082
B-1268	<1.00		ug/Wipe	1.00	1	10/24/06 17:53	dlk	6101108	SW 8082
Total PCBs	3.59		ug/Wipe	1.00	1	10/24/06 17:53	dlk	6101108	SW 8082
<i>r: Decachlorobiphenyl (56-146%)</i>	<i>92 %</i>								
<i>r: Tetrachloro-meta-xylene (42-132%)</i>	<i>78 %</i>								

SCS ENGINEERS
10975 El Monte, Suite 100
Overland Park, KS 66211
Jerrett Domling

Work Order: CPJ1293
Project: GSA Hardesty
Project Number: 02200070.61

Received: 10/21/06
Reported: 10/25/06 10:12

SAMPLE EXTRACTION DATA

meter	Batch	Lab Number	Wt/Vol Extracted	Extracted Vol	Date	Analyst	Extraction Method
γanochlorine Pesticides/PCBs SW 8082	6101108	CPJ1293-01	1	10	10/23/06 13:51	AM	SW 3550B GC

SCS ENGINEERS
 10975 El Monte, Suite 100
 Overland Park, KS 66211
 Jerrett Domling

Work Order: CPJ1293
 Project: GSA Hardesty
 Project Number: 02200070.61

Received: 10/21/06
 Reported: 10/25/06 10:12

LABORATORY BLANK QC DATA

Analyte	Seq/ Batch	Source Spike		MDL	MRL	Result	Dup %		Dup % REC		RPD		Q
		Result	Level				Units	Result	REC	%REC	Limits	RPD	
ganochlorine Pesticides/PCBs													
B-1016	6101108			ug/Wipe	N/A	1.00	<1.00						
B-1221	6101108			ug/Wipe	N/A	1.00	<1.00						
B-1232	6101108			ug/Wipe	N/A	1.00	<1.00						
B-1242	6101108			ug/Wipe	N/A	1.00	<1.00						
B-1248	6101108			ug/Wipe	N/A	1.00	<1.00						
B-1254	6101108			ug/Wipe	N/A	1.00	<1.00						
B-1260	6101108			ug/Wipe	N/A	1.00	<1.00						
B-1268	6101108			ug/Wipe	N/A	1.00	<1.00						
al PCBs	6101108			ug/Wipe	N/A	1.00	<1.00						
rogate: Decachlorobiphenyl	6101108			ug/Wipe					94		56-146		
rogate: Tetrachloro-meta-xylene	6101108			ug/Wipe					77		42-132		

SCS ENGINEERS
 10975 El Monte, Suite 100
 Overland Park, KS 66211
 Jerrett Domling

Work Order: CPJ1293
 Project: GSA Hardesty
 Project Number: 02200070.61

Received: 10/21/06
 Reported: 10/25/06 10:12

LCS/LCS DUPLICATE QC DATA

Analyte	Seq/ Batch	Source Spike		MDL	MRL	Dup		% REC	Dup % REC	% REC		RPD		Q
		Result	Level			Result	Result			Limits	RPD	Limit		
ganochlorine Pesticides/PCBs														
B-1016	6101108	10.0	ug/Wipe	N/A	1.00	3.95	3.94	40	39	43-133	0	35	L1	
B-1260	6101108	10.0	ug/Wipe	N/A	1.00	4.39	4.38	44	44	43-133	0	20		
<i>rogate: Decachlorobiphenyl</i>	6101108		ug/Wipe					97	99	56-146				
<i>rogate: Tetrachloro-meta-xylene</i>	6101108		ug/Wipe					82	85	42-132				

SCS ENGINEERS
10975 El Monte, Suite 100
Overland Park, KS 66211
Jerrett Domling

Work Order: CPJ1293
Project: GSA Hardesty
Project Number: 02200070.61

Received: 10/21/06
Reported: 10/25/06 10:12

DATA QUALIFIERS AND DEFINITIONS

- 1 Laboratory Control Sample and/or Laboratory Control Sample Duplicate recovery was outside control limits

ADDITIONAL COMMENTS

Sample Receipt and Temperature Log Form

Client: SCS ENG Project: GSA Hardesty

City: _____

Date: 10-20-06 Receiver's Initials: CH Time (Delivered): 9:15

Temperature Record

Cooler ID# (If Applicable)
Client

° C On Ice

Thermometer:

- IR - 905085 "A"
 IR - 809065 "B"
 CF07-03-T2
 22126775

Courier:

<input type="checkbox"/> Airborne	<input type="checkbox"/> Speedy
<input type="checkbox"/> UPS	<input type="checkbox"/> TA Courier
<input type="checkbox"/> Velocity	<input type="checkbox"/> TA Field Svcs
<input checked="" type="checkbox"/> FedEx	<input type="checkbox"/> Client
<input type="checkbox"/> DHL	<input type="checkbox"/> Other
<input type="checkbox"/> US Postal	

Temp Blank

Temperature out of compliance

Custody seals present?

Yes

Custody seals intact?

Yes No

Non-Conformance report started

Exceptions Noted

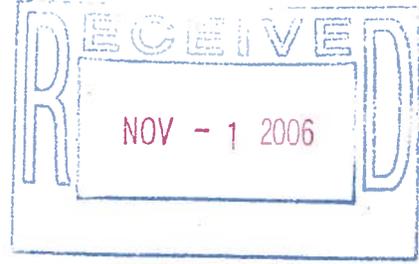
<input type="checkbox"/> Sample(s) not received in a cooler.
<input type="checkbox"/> Samples(s) received same day of sampling.
<input checked="" type="checkbox"/> Evidence of a chilling process
<input checked="" type="checkbox"/> Temperature not taken: _____

Log-In by:

CW MF EM

OT _____

October 30, 2006



Client:

SCS ENGINEERS
10975 El Monte, Suite 100
Overland Park, KS 66211

Work Order: CPJ1524
Project Name: GSA Hardesty
Project Number: 02200070.61

Attn: Jerrett Domling

Date Received: 10/26/06

An executed copy of the chain of custody is also included as an addendum to this report

If you have any questions relating to this analytical report, please contact your Laboratory Project Manager at 1-(800)750-2401

SAMPLE IDENTIFICATION	LAB NUMBER	COLLECTION DATE AND TIME
Bldg 10 C. Spill Post Room	CPJ1524-01	10/25/06 10:00
Bldg 10 C. Spill Post Room	CPJ1524-02	10/25/06 10:15

Samples were received into laboratory on ice.

Most environmental analytical testing methods require a sample temperature of 4 degrees C +/- 2 degrees C for preservation of the sample constituents prior to analysis. If sample temperatures are outside of this temperature range at the time of sample receipt, results may be impacted. Please refer to the Temperature and Sample Receipt form that is included with this report for additional information regarding the condition of samples at the time of receipt by the laboratory.

The reported results were obtained in compliance with the 2003 NELAC standards unless otherwise noted.

Reproduction of this analytical report is permitted only in its entirety. This report shall not be reproduced except in full without the written approval of the laboratory.

TestAmerica Analytical Testing Corporation certifies that the analytical results contained herein apply only to the specific sample analyzed.

Approved By:

A handwritten signature in cursive script that reads "Angela Miller".

TestAmerica - Cedar Falls, IA
Angie Miller
Project Coordinator

SCS ENGINEERS
 10975 El Monte, Suite 100
 Overland Park, KS 66211
 Jerrett Domling

Work Order: CPJ1524
 Project: GSA Hardesty
 Project Number: 02200070.61

Received: 10/26/06
 Reported: 10/30/06 13:22

ANALYTICAL REPORT

Sample	Data	Quan. Limit	Dilution	Date	Seq/	Method
Result	Qualifiers	Units	Factor	Analyzed	Analyst Batch	
Sample ID: CPJ1524-01 (Bldg 10 C. Spill Post Room - Wipe)				Sampled: 10/25/06 10:00		Recvd: 10/26/06 09:25
Arochlorine Pesticides/PCBs						
B-1016	<1.00	ug/Wipe	1.00	1	10/27/06 11:00	dik 6101328 SW 8082
B-1221	<1.00	ug/Wipe	1.00	1	10/27/06 11:00	dik 6101328 SW 8082
B-1232	<1.00	ug/Wipe	1.00	1	10/27/06 11:00	dik 6101328 SW 8082
B-1242	<1.00	ug/Wipe	1.00	1	10/27/06 11:00	dik 6101328 SW 8082
B-1248	<1.00	ug/Wipe	1.00	1	10/27/06 11:00	dik 6101328 SW 8082
B-1254	<1.00	ug/Wipe	1.00	1	10/27/06 11:00	dik 6101328 SW 8082
B-1260	<1.00	ug/Wipe	1.00	1	10/27/06 11:00	dik 6101328 SW 8082
B-1268	<1.00	ug/Wipe	1.00	1	10/27/06 11:00	dik 6101328 SW 8082
Total PCBs	<1.00	ug/Wipe	1.00	1	10/27/06 11:00	dik 6101328 SW 8082
r: Decachlorobiphenyl (56-146%)	98 %					
r: Tetrachloro-meta-xylene (42-132%)	85 %					
Sample ID: CPJ1524-02 (Bldg 10 C. Spill Post Room - Soil)				Sampled: 10/25/06 10:15		Recvd: 10/26/06 09:25
General Chemistry Parameters						
Solids	97.2	%	0.100	1	10/27/06 15:00	sas 6101466 SM 2540 G
Arochlorine Pesticides/PCBs						
B-1016	<0.257	mg/kg dry	0.257	0.982	10/27/06 12:14	dik 6101329 SW 8082
B-1221	<0.257	mg/kg dry	0.257	0.982	10/27/06 12:14	dik 6101329 SW 8082
B-1232	<0.257	mg/kg dry	0.257	0.982	10/27/06 12:14	dik 6101329 SW 8082
B-1242	<0.257	mg/kg dry	0.257	0.982	10/27/06 12:14	dik 6101329 SW 8082
B-1248	<0.257	mg/kg dry	0.257	0.982	10/27/06 12:14	dik 6101329 SW 8082
B-1254	<0.257	mg/kg dry	0.257	0.982	10/27/06 12:14	dik 6101329 SW 8082
B-1260	<0.257	mg/kg dry	0.257	0.982	10/28/06 01:12	dik 6101329 SW 8082
B-1268	<0.257	mg/kg dry	0.257	0.982	10/27/06 12:14	dik 6101329 SW 8082
r: Decachlorobiphenyl (59-140%)	84 %					
r: Tetrachloro-meta-xylene (46-136%)	68 %					

SCS ENGINEERS
10975 El Monte, Suite 100
Overland Park, KS 66211
Jerrett Domling

Work Order: CPJ1524
Project: GSA Hardesty
Project Number: 02200070.61

Received: 10/26/06
Reported: 10/30/06 13:22

SAMPLE EXTRACTION DATA

meter	Batch	Lab Number	Wt/Vol Extracted	Extracted Vol	Date	Analyst	Extraction Method
ganochlorine Pesticides/PCBs							
SW 8082	6101328	CPJ1524-01	1	10	10/26/06 13:19	AM	SW 3550B GC
SW 8082	6101329	CPJ1524-02	31	10	10/26/06 13:21	AM	SW 3550B GC
SW 8082	6101329	CPJ1524-02RE1	31	10	10/26/06 13:21	AM	SW 3550B GC

SCS ENGINEERS
 10975 El Monte, Suite 100
 Overland Park, KS 66211
 Jerrett Domling

Work Order: CPJ1524
 Project: GSA Hardesty
 Project Number: 02200070.61

Received: 10/26/06
 Reported: 10/30/06 13:22

LABORATORY BLANK QC DATA

Analyte	Seq/ Batch	Source Spike		MDL	MRL	Result	Dup Result	% REC	Dup %REC	%REC Limits	REC RPD	RPD Limit	Q
		Result	Level										
Organochlorine Pesticides/PCBs													
B-1016	6101328		ug/Wipe	N/A	1.00	<1.00							
B-1221	6101328		ug/Wipe	N/A	1.00	<1.00							
B-1232	6101328		ug/Wipe	N/A	1.00	<1.00							
B-1242	6101328		ug/Wipe	N/A	1.00	<1.00							
B-1248	6101328		ug/Wipe	N/A	1.00	<1.00							
B-1254	6101328		ug/Wipe	N/A	1.00	<1.00							
B-1260	6101328		ug/Wipe	N/A	1.00	<1.00							
B-1268	6101328		ug/Wipe	N/A	1.00	<1.00							
total PCBs	6101328		ug/Wipe	N/A	1.00	<1.00							
<i>rogate: Decachlorobiphenyl</i>	<i>6101328</i>		ug/Wipe						76		56-146		
<i>rogate: Tetrachloro-meta-xylene</i>	<i>6101328</i>		ug/Wipe						70		42-132		
B-1016	6101329		mg/kg wet	N/A	0.250	<0.250							
B-1221	6101329		mg/kg wet	N/A	0.250	<0.250							
B-1232	6101329		mg/kg wet	N/A	0.250	<0.250							
B-1242	6101329		mg/kg wet	N/A	0.250	<0.250							
B-1248	6101329		mg/kg wet	N/A	0.250	<0.250							
B-1254	6101329		mg/kg wet	N/A	0.250	<0.250							
B-1260	6101329		mg/kg wet	N/A	0.250	<0.250							
B-1268	6101329		mg/kg wet	N/A	0.250	<0.250							
<i>rogate: Decachlorobiphenyl</i>	<i>6101329</i>		mg/kg wet						107		59-140		
<i>rogate: Tetrachloro-meta-xylene</i>	<i>6101329</i>		mg/kg wet						90		46-136		

SCS ENGINEERS
 10975 El Monte, Suite 100
 Overland Park, KS 66211
 Jerrett Domling

Work Order: CPJ1524
 Project: GSA Hardesty
 Project Number: 02200070.61

Received: 10/26/06
 Reported: 10/30/06 13:22

LABORATORY DUPLICATE QC DATA

Analyte	Seq/ Batch	Source Spike		Units	MDL	MRL	Result	% REC	Dup %REC	% REC Limits	RPD RPD	RPD Limit	Q
		Result	Level										
General Chemistry Parameters													
↳ Source Sample: CPJ1555-01													
Solids	6101466	99.9		%	N/A	0.100	99.9				0	10	
↳ Source Sample: CPJ1515-01													
Solids	6101466	85.9		%	N/A	0.100	88.0				2	10	

SCS ENGINEERS
 10975 El Monte, Suite 100
 Overland Park, KS 66211
 Terrett Domling

Work Order: CPJ1524
 Project: GSA Hardesty
 Project Number: 02200070.61

Received: 10/26/06
 Reported: 10/30/06 13:22

LCS/LCS DUPLICATE QC DATA

Analyte	Seq/ Batch	Source Result	Spike Level	Units	MDL	MRL	Dup		% REC		RPD		Q
							Result	%	Limit	RPD	Limit	RPD	
Organochlorine Pesticides/PCBs													
B-1016	6101329	0.167	mg/kg wet	N/A	0.250	0.173	104		41-131				
B-1260	6101329	0.167	mg/kg wet	N/A	0.250	0.188	113		41-131				
rogate: Decachlorobiphenyl	6101329		mg/kg wet				116		59-140				
rogate: Tetrachloro-meta-xylene	6101329		mg/kg wet				100		46-136				

SCS ENGINEERS
 10975 El Monte, Suite 100
 Overland Park, KS 66211
 Jerrett Domling

Work Order: CPJ1524
 Project: GSA Hardesty
 Project Number: 02200070.61

Received: 10/26/06
 Reported: 10/30/06 13:22

LCS/LCS DUPLICATE QC DATA

Analyte	Seq/ Batch	Source Result	Spike Level	Units	MDL	MRL	Dup		% REC	Dup %REC	% REC Limits	RPD RPD	Limit	Q
							Result	Result						
ganochlorine Pesticides/PCBs														
B-1016	6101328	10.0	ug/Wipe	N/A	1.00	8.99	90		43-133			35		
B-1260	6101328	10.0	ug/Wipe	N/A	1.00	10.4	104		43-133			20		
rogate: Decachlorobiphenyl	6101328		ug/Wipe				118		56-146					
rogate: Tetrachloro-meta-xylene	6101328		ug/Wipe				93		42-132					

SCS ENGINEERS
 10975 El Monte, Suite 100
 Overland Park, KS 66211
 Jerrett Domling

Work Order: CPJ1524
 Project: GSA Hardesty
 Project Number: 02200070.61

Received: 10/26/06
 Reported: 10/30/06 13:22

MATRIX SPIKE/MATRIX SPIKE DUPLICATE QC DATA

Analyte	Seq/ Batch	Source Spike		Units	MDL	MRL	Dup		% REC	Dup % REC		RPD Limits	RPD	Limit	Q
		Result	Level				Result	Result		%REC	%REC				
Organochlorine Pesticides/PCBs															
Source Sample: CPJ1515-01															
B-1016	6101329	<0.25	0.190	mg/kg dry	N/A	0.291	0.205	0.165	108	87	36-126	22	20		R
B-1260	6101329	<0.25	0.190	mg/kg dry	N/A	0.291	0.225	0.212	118	112	36-126	6	20		
surrogate: Decachlorobiphenyl	6101329			mg/kg dry					122	115	59-140				
surrogate: Tetrachloro-meta-xylene	6101329			mg/kg dry					99	87	46-136				

SCS ENGINEERS
10975 El Monte, Suite 100
Overland Park, KS 66211
Jerrett Domling

Work Order: CPJ1524
Project: GSA Hardesty
Project Number: 02200070.61

Received: 10/26/06
Reported: 10/30/06 13:22

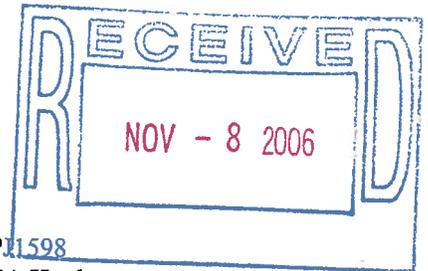
DATA QUALIFIERS AND DEFINITIONS

- ! Calibration Verification recovery was above the method control limit for this analyte Analyte not detected, data not impacted.
- 9 Calibration Verification recovery was outside the method control limits for this analyte The LCS for this analyte met CCV acceptance criteria, and was used to validate the batch.
- . Sample duplicate RPD exceeded the laboratory control limit.

ADDITIONAL COMMENTS

esults are reported on a wet weight basis unless otherwise noted.

October 31, 2006



Client:

SCS ENGINEERS
10975 El Monte, Suite 100
Overland Park, KS 66211

Work Order: CPJ1598
Project Name: GSA Hardesty
Project Number: 02200070.61

Attn: Jerrett Domling

Date Received: 10/27/06

An executed copy of the chain of custody is also included as an addendum to this report

If you have any questions relating to this analytical report, please contact your Laboratory Project Manager at 1-(800)750-2401

SAMPLE IDENTIFICATION	LAB NUMBER	COLLECTION DATE AND TIME
Bldg 10 Trans Vault Flr. Post Rem.	CPJ1598-01	10/26/06 09:30
Bldg 10 Trans Vault Flr. Post Rem.	CPJ1598-02	10/26/06 10:00

Samples were received into laboratory on ice.

Most environmental analytical testing methods require a sample temperature of 4 degrees C +/- 2 degrees C for preservation of the sample constituents prior to analysis. If sample temperatures are outside of this temperature range at the time of sample receipt, results may be impacted. Please refer to the Temperature and Sample Receipt form that is included with this report for additional information regarding the condition of samples at the time of receipt by the laboratory.

The reported results were obtained in compliance with the 2003 NELAC standards unless otherwise noted.

Reproduction of this analytical report is permitted only in its entirety. This report shall not be reproduced except in full without the written approval of the laboratory.

TestAmerica Analytical Testing Corporation certifies that the analytical results contained herein apply only to the specific sample analyzed.

Approved By:

A handwritten signature in black ink that reads "Angela Miller".

TestAmerica - Cedar Falls, IA
Angie Miller
Project Coordinator

SCS ENGINEERS
 10975 El Monte, Suite 100
 Overland Park, KS 66211
 Jerrett Domling

Work Order: CPJ1598
 Project: GSA Hardesty
 Project Number: 02200070.61

Received: 10/27/06
 Reported: 10/31/06 14:57

ANALYTICAL REPORT

Sample	Data	Quan. Limit	Dilution	Date	Seq/			
Result	Qualifiers	Units	Factor	Analyzed	Analyst	Batch	Method	
Sample ID: CPJ1598-01 (Bldg 10 Trans Vault Flr. Post Rem. - Wipe)			Sampled: 10/26/06 09:30		Recvd: 10/27/06 09:30			
Organochlorine Pesticides/PCBs								
B-1016	<1.00	ug/Wipe	1.00	1	10/30/06 14:36	dik	6101416	SW 8082
B-1221	<1.00	ug/Wipe	1.00	1	10/30/06 14:36	dik	6101416	SW 8082
B-1232	<1.00	ug/Wipe	1.00	1	10/30/06 14:36	dik	6101416	SW 8082
B-1242	<1.00	ug/Wipe	1.00	1	10/30/06 14:36	dik	6101416	SW 8082
B-1248	<1.00	ug/Wipe	1.00	1	10/30/06 14:36	dik	6101416	SW 8082
B-1254	<1.00	ug/Wipe	1.00	1	10/30/06 14:36	dik	6101416	SW 8082
B-1260	<1.00	ug/Wipe	1.00	1	10/30/06 14:36	dik	6101416	SW 8082
B-1268	<1.00	ug/Wipe	1.00	1	10/30/06 14:36	dik	6101416	SW 8082
Total PCBs	<1.00	ug/Wipe	1.00	1	10/30/06 14:36	dik	6101416	SW 8082
r: Decachlorobiphenyl (56-146%)	96 %							
r: Tetrachloro-meta-xylene (42-132%)	74 %							
Sample ID: CPJ1598-02 (Bldg 10 Trans Vault Flr. Post Rem. - Soil)			Sampled: 10/26/06 10:00		Recvd: 10/27/06 09:30			
General Chemistry Parameters								
Solids	97.8	%	0.100	1	10/27/06 15:00	sas	6101466	SM 2540 G
Organochlorine Pesticides/PCBs								
B-1016	<0.256	mg/kg dry	0.256	0.973	10/30/06 17:27	dik	6101415	SW 8082
B-1221	<0.256	mg/kg dry	0.256	0.973	10/30/06 17:27	dik	6101415	SW 8082
B-1232	<0.256	mg/kg dry	0.256	0.973	10/30/06 17:27	dik	6101415	SW 8082
B-1242	<0.256	mg/kg dry	0.256	0.973	10/30/06 17:27	dik	6101415	SW 8082
B-1248	<0.256	mg/kg dry	0.256	0.973	10/30/06 17:27	dik	6101415	SW 8082
B-1254	<0.256	mg/kg dry	0.256	0.973	10/30/06 17:27	dik	6101415	SW 8082
B-1260	<0.767	mg/kg dry	0.767	2.92	10/31/06 08:39	dik	6101415	SW 8082
B-1268	<0.256	mg/kg dry	0.256	0.973	10/30/06 17:27	dik	6101415	SW 8082
r: Decachlorobiphenyl (59-140%)	58 %	ZX						
r: Tetrachloro-meta-xylene (46-136%)	57 %							

SCS ENGINEERS
10975 El Monte, Suite 100
Overland Park, KS 66211
Jerrett Domling

Work Order: CPJ1598
Project: GSA Hardesty
Project Number: 02200070.61

Received: 10/27/06
Reported: 10/31/06 14:57

SAMPLE EXTRACTION DATA

ameter	Batch	Lab Number	Wt/Vol Extracted	Extracted Vol	Date	Analyst	Extraction Method
ganochlorine Pesticides/PCBs							
SW 8082	6101416	CPJ1598-01	1	10	10/27/06 14:07	FMK	SW 3550B GC
SW 8082	6101415	CPJ1598-02	31	10	10/27/06 14:06	FMK	SW 3550B GC
SW 8082	6101415	CPJ1598-02RE1	31	10	10/27/06 14:06	FMK	SW 3550B GC

SCS ENGINEERS
 10975 El Monte, Suite 100
 Overland Park, KS 66211
 Jerrett Domling

Work Order: CPJ1598
 Project: GSA Hardesty
 Project Number: 02200070.61

Received: 10/27/06
 Reported: 10/31/06 14:57

LABORATORY BLANK QC DATA

Analyte	Seq/ Batch	Source Spike Result Level	Units	MDL	MRL	Dup Result	% REC	Dup %REC	% REC Limits	RPD		Q
										RPD	Limit	
Organochlorine Pesticides/PCBs												
B-1016	6101415		mg/kg wet	N/A	0.250	<0.250						
B-1221	6101415		mg/kg wet	N/A	0.250	<0.250						
B-1232	6101415		mg/kg wet	N/A	0.250	<0.250						
B-1242	6101415		mg/kg wet	N/A	0.250	<0.250						
B-1248	6101415		mg/kg wet	N/A	0.250	<0.250						
B-1254	6101415		mg/kg wet	N/A	0.250	<0.250						
B-1260	6101415		mg/kg wet	N/A	0.250	<0.250						
B-1268	6101415		mg/kg wet	N/A	0.250	<0.250						
<i>rogate: Decachlorobiphenyl</i>	<i>6101415</i>		mg/kg wet					94		59-140		
<i>rogate: Tetrachloro-meta-xylene</i>	<i>6101415</i>		mg/kg wet					74		46-136		
B-1016	6101416		ug/Wipe	N/A	1.00	<1.00						
B-1221	6101416		ug/Wipe	N/A	1.00	<1.00						
B-1232	6101416		ug/Wipe	N/A	1.00	<1.00						
B-1242	6101416		ug/Wipe	N/A	1.00	<1.00						
B-1248	6101416		ug/Wipe	N/A	1.00	<1.00						
B-1254	6101416		ug/Wipe	N/A	1.00	<1.00						
B-1260	6101416		ug/Wipe	N/A	1.00	<1.00						
B-1268	6101416		ug/Wipe	N/A	1.00	<1.00						
tal PCBs	6101416		ug/Wipe	N/A	1.00	<1.00						
<i>rogate: Decachlorobiphenyl</i>	<i>6101416</i>		ug/Wipe					92		56-146		
<i>rogate: Tetrachloro-meta-xylene</i>	<i>6101416</i>		ug/Wipe					72		42-132		

SCS ENGINEERS
 10975 El Monte, Suite 100
 Overland Park, KS 66211
 Jerrett Domling

Work Order: CPJ1598
 Project: GSA Hardesty
 Project Number: 02200070.61

Received: 10/27/06
 Reported: 10/31/06 14:57

LABORATORY DUPLICATE QC DATA

Analyte	Seq/ Batch	Source Spike Result Level	Units	MDL	MRL	Result	% Dup % REC		RPD		Q
							REC	%REC	Limits	RPD	
General Chemistry Parameters											
: Source Sample: CPJ1555-01											
Solids	6101466	99.9	%	N/A	0.100	99.9			0	10	
: Source Sample: CPJ1515-01											
Solids	6101466	85.9	%	N/A	0.100	88.0			2	10	

SCS ENGINEERS
 10975 El Monte, Suite 100
 Overland Park, KS 66211
 Jerrett Domling

Work Order: CPJ1598
 Project: GSA Hardesty
 Project Number: 02200070.61

Received: 10/27/06
 Reported: 10/31/06 14:57

LCS/LCS DUPLICATE QC DATA

Analyte	Seq/ Batch	Source Spike		MDL	MRL	Dup		% REC	Dup %REC	% REC Limits	RPD RPD	RPD Limit	Q
		Result	Level			Units	Result						
Organochlorine Pesticides/PCBs													
B-1016	6101415	0.167	mg/kg wet	N/A	0.250	0.108	0.111	65	66	41-131	3	20	
B-1260	6101415	0.167	mg/kg wet	N/A	0.250	0.128	0.130	77	78	41-131	2	20	
<i>rogate: Decachlorobiphenyl</i>	<i>6101415</i>		mg/kg wet					96	97	59-140			
<i>rogate: Tetrachloro-meta-xylene</i>	<i>6101415</i>		mg/kg wet					77	78	46-136			
B-1016	6101416	5.00	ug/Wipe	N/A	1.00	3.31	3.16	66	63	43-133	5	35	
B-1260	6101416	5.00	ug/Wipe	N/A	1.00	3.78	3.61	76	72	43-133	5	20	
<i>rogate: Decachlorobiphenyl</i>	<i>6101416</i>		ug/Wipe					95	94	56-146			
<i>rogate: Tetrachloro-meta-xylene</i>	<i>6101416</i>		ug/Wipe					77	73	42-132			

SCS ENGINEERS
10975 El Monte, Suite 100
Overland Park, KS 66211
Jerrett Domling

Work Order: CPJ1598
Project: GSA Hardesty
Project Number: 02200070.61

Received: 10/27/06
Reported: 10/31/06 14:57

DATA QUALIFIERS AND DEFINITIONS

X Due to sample matrix effects, the surrogate recovery was outside the control limits

ADDITIONAL COMMENTS

Results are reported on a wet weight basis unless otherwise noted.

Sample Receipt and Temperature Log Form

Client: SCS ENG. Project: GSA Hardesty.

City: _____

Date: 10-27-06 Receiver's Initials CH Time (Delivered): 9:30

Temperature Record

Cooler ID# (If Applicable)
Client

____ ° C / On Ice

Thermometer:

- IR - 905085 "A"
- IR - 809065 "B"
- CF07-03-T2
- 22126775

Courier:

<input type="checkbox"/> Airborne	<input type="checkbox"/> Speedy
<input type="checkbox"/> UPS	<input type="checkbox"/> TA Courier
<input type="checkbox"/> Velocity	<input type="checkbox"/> TA Field Svcs
<input checked="" type="checkbox"/> FedEx	<input type="checkbox"/> Client
<input type="checkbox"/> DHL	<input type="checkbox"/> Other
<input type="checkbox"/> US Postal	

Temp Blank

Temperature out of compliance

Custody seals present?

Yes

Custody seals intact?

Yes No

Non-Conformance report started

Exceptions Noted

<input type="checkbox"/> Sample(s) not received in a cooler.
<input type="checkbox"/> Samples(s) received same day of sampling.
<input checked="" type="checkbox"/> Evidence of a chilling process
<input checked="" type="checkbox"/> Temperature not taken: _____

Log-In by:

CW MF EM

OT _____

APPENDIX E
WASTE DISPOSAL MANIFESTS

Please print or type
Form designed for use on elite (12-pitch typewriter)



17423

**NON-HAZARDOUS
WASTE MANIFEST**

1. Generator's US EPA ID No.

Manifest Document No.

2. Page 1 of

3. Generator's Name and Mailing Address

GSA
1500 BANISTER ROOM 2101
KC MO 64131

4. Generator's Phone (816) 823 2027

5. Transporter 1 Company Name
ALLIED

6. US EPA ID Number

A. Transporter's Phone
816-257-2185

7. Transporter 2 Company Name

8. US EPA ID Number

B. Transporter's Phone

9. Designated Facility Name and Site Address

FOREST VIEW
4800 KAW DR
KC KS 66102

10. US EPA ID Number

C. Facility's Phone
913-257-3711

11. Waste Shipping Name and Description

a. FLOOR DRY + DEBRIS WITH <50 PPM PCB OIL

12. Containers
No. Type

13. Total
Quantity

14. Unit
Wt/Vol

10 BOX 10 YRS

GENERATOR

D. Additional Descriptions for Materials Listed Above

KDHE APPROVAL # 06-1096

E. Handling Codes for Waste Listed Above

15. Special Handling Instructions and Additional Information

16. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Printed / Typed Name
John Kruschwitz For GSA & SES

Signature

Month Day Year
10 27 06

17. Transporter 1 Acknowledgment of Receipt of Materials

Printed / Typed Name
Tina Adams

Signature

Month Day Year
11 27 06

18. Transporter 2 Acknowledgment of Receipt of Materials

Printed / Typed Name

Signature

Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipts of waste materials covered by this manifest except as noted in Item 19.

Printed / Typed Name

Signature

Month Day Year

TRANSPORTER FACILITY

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator ID Number EXE	2. Page 1 of 1	3. Emergency Response Phone	4. Manifest Tracking Number 001396911 JJK					
5. Generator's Name and Mailing Address GENERAL SERVICES ADMINISTRATION 401-607 WASHINGTON KANSAS CITY MO 64124				Generator's Site Address (if different than mailing address) GENERAL SERVICES ADMINISTRATION 401-607 WASHINGTON KANSAS CITY MO 64124						
6. Transporter 1 Company Name New York Inc				U.S. EPA ID Number NY021087275						
7. Transporter 2 Company Name				U.S. EPA ID Number						
8. Designated Facility Name and Site Address Solvent Recovery Corporation 1400 Liberty St Kansas City, MO 64101 (500) 743-0737				U.S. EPA ID Number MO0000610766						
9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))			10. Containers		11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes		
	1. 200 KETOLINE LITERS			No.	Type					
	2.									
	3.									
	4.									
14. Special Handling instructions and Additional Information 11 20310-00 21112017 11018										
15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent. I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.										
Generator's/Offeror's Printed/Typed Name				Signature				Month	Day	Year
16. International Shipments <input type="checkbox"/> Import to U.S. <input type="checkbox"/> Export from U.S. Port of entry/exit: _____ Date leaving U.S.: _____										
17. Transporter Acknowledgment of Receipt of Materials										
Transporter 1 Printed/Typed Name				Signature				Month	Day	Year
Transporter 2 Printed/Typed Name				Signature				Month	Day	Year
18. Discrepancy										
18a. Discrepancy Indication Space <input type="checkbox"/> Quantity <input type="checkbox"/> Type <input type="checkbox"/> Residue <input type="checkbox"/> Partial Rejection <input type="checkbox"/> Full Rejection										
18b. Alternate Facility (or Generator) Manifest Reference Number: _____ U.S. EPA ID Number _____										
18c. Signature of Alternate Facility (or Generator) _____ Month _____ Day _____ Year _____										
19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)										
1.	2.	3.	4.							
20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in item 18a										
Printed/Typed Name				Signature				Month	Day	Year

ease print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator ID Number PXC	2. Page 1 of 1	3. Emergency Response Phone	4. Manifest Tracking Number 001396834 JJK		
5. Generator's Name and Mailing Address GENERAL SERVICES ADMINISTRATION 601-607 WASHINGTON WASHINGTON DC 20540				Generator's Site Address (if different than mailing address) GENERAL SERVICES ADMINISTRATION 601-607 WASHINGTON WASHINGTON DC 20540			
6. Transporter 1 Company Name Merrill Lynch				U.S. EPA ID Number MID071097270			
7. Transporter 2 Company Name				U.S. EPA ID Number			
8. Designated Facility Name and Site Address Federal Bureau of Investigation 716 Webster St. Kansas City MO 64108-1900				U.S. EPA ID Number MID0000A10766			
9a. HM				9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))		10. Containers	
				No.		Type	
				11. Total Quantity		12. Unit Wt./Vol.	
				13. Waste Codes			
14. Special Handling Instructions and Additional Information 104 36110-00 - HAZARDOUS FLUID							
15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent. I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.							
Generator's/Offoror's Printed/Typed Name				Signature		Month Day Year	
16. International Shipments <input type="checkbox"/> Import to U.S. <input type="checkbox"/> Export from U.S. Port of entry/exit: _____ Date leaving U.S.: _____							
17. Transporter Acknowledgment of Receipt of Materials							
Transporter 1 Printed/Typed Name				Signature		Month Day Year	
Transporter 2 Printed/Typed Name				Signature		Month Day Year	
18. Discrepancy							
18a. Discrepancy Indication Space <input type="checkbox"/> Quantity <input type="checkbox"/> Type <input type="checkbox"/> Residue <input type="checkbox"/> Partial Rejection <input type="checkbox"/> Full Rejection							
18b. Alternate Facility (or Generator) Manifest Reference Number: _____ U.S. EPA ID Number _____							
18c. Signature of Alternate Facility (or Generator) _____ Month Day Year							
19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)							
1.		2.		3.		4.	
20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in item 18a							
Printed/Typed Name				Signature		Month Day Year	

DK1362366

Form Approved. OMB No. 2050-0039

ase print or type. (Form designed for use on elite (12-pitch) typewriter.)

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator ID Number CESOG	2. Page 1 of 1	3. Emergency Response Phone 800-729-5257	4. Manifest Tracking Number 001729034 JJK					
5. Generator's Name and Mailing Address US GENERAL SERVICES ADMINISTRATION 601-807 HARDESTY KANSAS CITY, MO 64123 USA										
Generator's Site Address (if different than mailing address)										
6. Transporter 1 Company Name AMEREX ENVIRONMENTAL SOLUTIONS										
U.S. EPA ID Number OKD007222128										
7. Transporter 2 Company Name CLEAN HARBORS ENVIRONMENTAL SERVICES INC										
U.S. EPA ID Number MAD 039322250										
8. Designated Facility Name and Site Address CLEAN HARBORS ARIZONITE, LLC 1488 NORTH APTUS ROAD ARIZONITE, UT 84208-01										
U.S. EPA ID Number UTF001652477										
Facility's Phone: 801-328-8700 201-930-2300 TX D055141378										
9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers		11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes				
		No.	Type							
1.	POLYCHLORINATED BIPHENYLS, SOLID, 9, UN3432, II, ERG1171	1	DF	4	K					
2.										
3.										
4.										
14. Special Handling Instructions and Additional Information CH 232847 IX5										
<table border="1"> <tr> <td>CR</td> <td><input checked="" type="checkbox"/></td> </tr> <tr> <td>FS</td> <td><input checked="" type="checkbox"/></td> </tr> </table>							CR	<input checked="" type="checkbox"/>	FS	<input checked="" type="checkbox"/>
CR	<input checked="" type="checkbox"/>									
FS	<input checked="" type="checkbox"/>									
15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent. I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.										
Generator's/Offeror's Printed/Typed Name [Signature]										
Signature DAVE L. HARTSON										
Month Day Year 12 18 06										
16. International Shipments <input type="checkbox"/> Import to U.S. <input type="checkbox"/> Export from U.S. Port of entry/exit: _____ Date leaving U.S.: _____										
17. Transporter Acknowledgment of Receipt of Materials										
Transporter 1 Printed/Typed Name BILL LURVEY										
Signature [Signature]										
Month Day Year 12 29 06										
Transporter 2 Printed/Typed Name DEXTER U. FITZGERALD 016193										
Signature [Signature]										
Month Day Year 01 12 07										
18. Discrepancy										
18a. Discrepancy Indication Space <input type="checkbox"/> Quantity <input type="checkbox"/> Type <input type="checkbox"/> Residue <input type="checkbox"/> Partial Rejection <input type="checkbox"/> Full Rejection										
Manifest Reference Number: _____ U.S. EPA ID Number: _____										
18b. Alternate Facility (or Generator)										
Facility's Phone: _____										
18c. Signature of Alternate Facility (or Generator)										
Month Day Year										
19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)										
1. H040 2. 3. 4.										
20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in item 18a										
Printed/Typed Name Kim Brauner										
Signature [Signature]										
Month Day Year 12 17 07										

UNIFORM HAZARDOUS WASTE MANIFEST (Continuation Sheet)	21. Generator ID Number CESOG	22. Page 13	23. Manifest Tracking Number 001729034 JJK
--	----------------------------------	----------------	---

24. Generator's Name
US General Services Administration

25. Transporter 5 Company Name Smith Systems Transport U.S. EPA ID Number 1 N2J494382137

26. Transporter 6 Company Name Clean Harbors Env. Svc. Inc U.S. EPA ID Number 1 YMD039322250

27a. HM	27b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	28. Containers		29. Total Quantity	30. Unit Wt./Vol.	31. Waste Codes
		No.	Type			
<div style="font-size: 4em; opacity: 0.5;">TIP O</div>						

32. Special Handling Instructions and Additional Information

33. Transporter 5 Acknowledgment of Receipt of Materials
 Printed/Typed Name: Terry Wheeler Signature: [Signature] Month: 02 Day: 09 Year: 07

34. Transporter 6 Acknowledgment of Receipt of Materials
 Printed/Typed Name: B. Delcomyn Signature: [Signature] Month: 2 Day: 10 Year: 07

35. Discrepancy

36. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

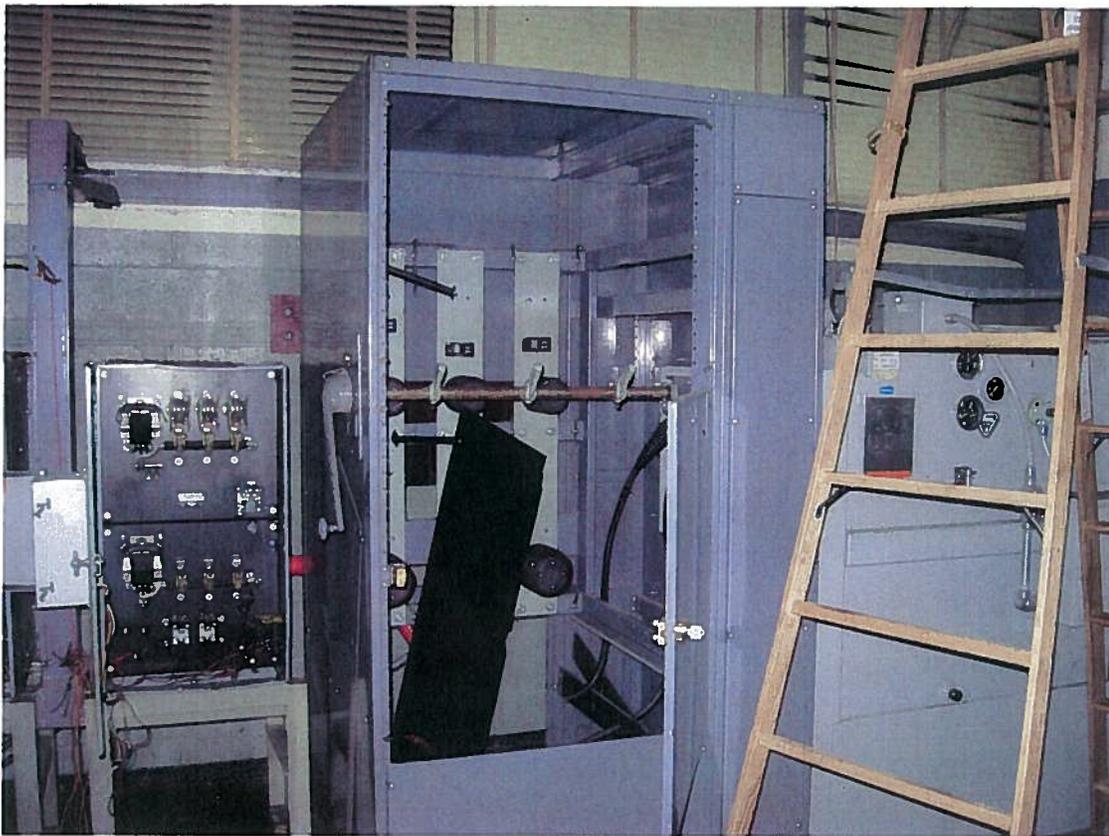
APPENDIX F
PHOTOGRAPHS



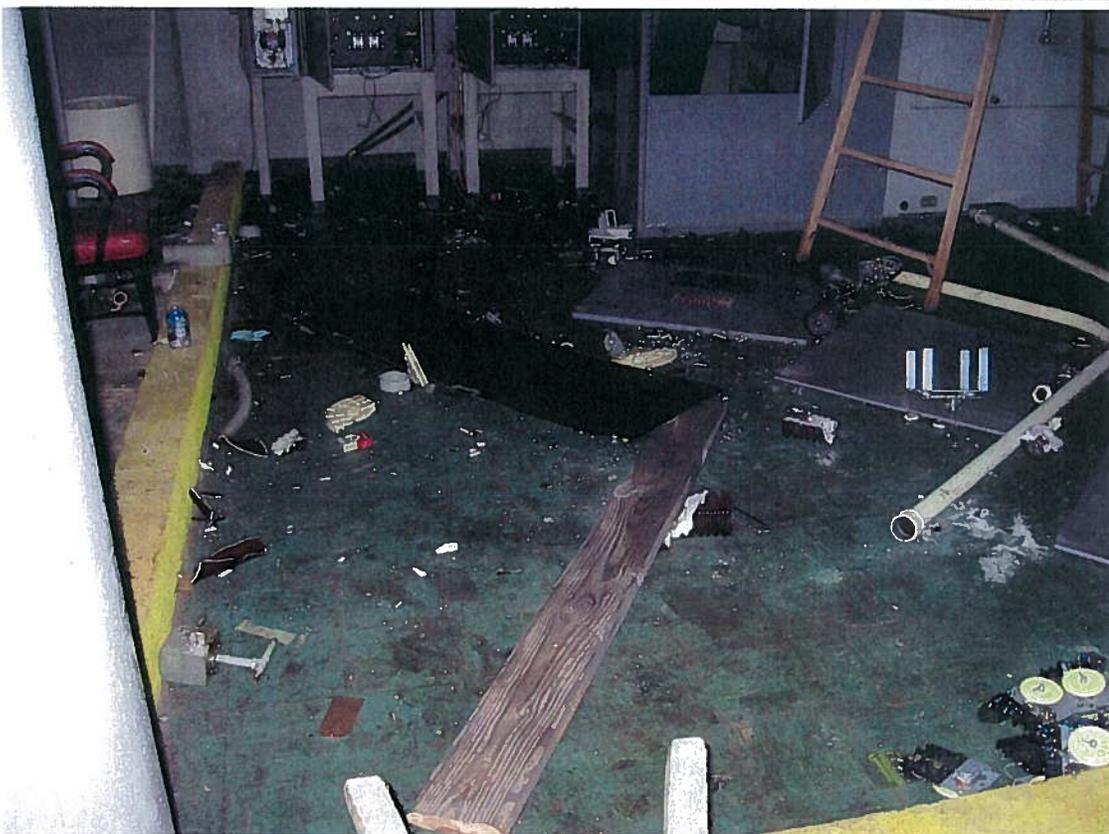
Photograph 1. Sanitary/storm sewer manhole adjacent to Building 13.



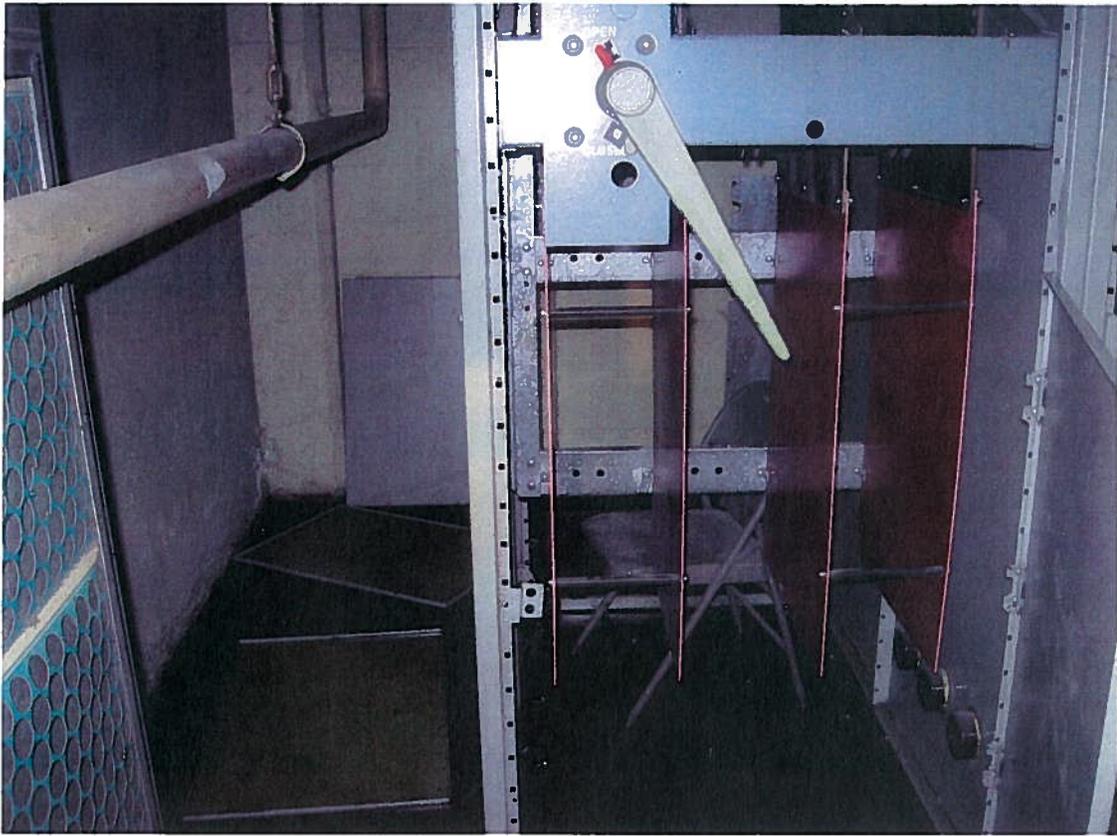
Photograph 2. Inside sanitary/storm sewer manhole adjacent to Building 13.



Photograph 3. Electrical switch gear and transformer on 2nd floor of Building 11.



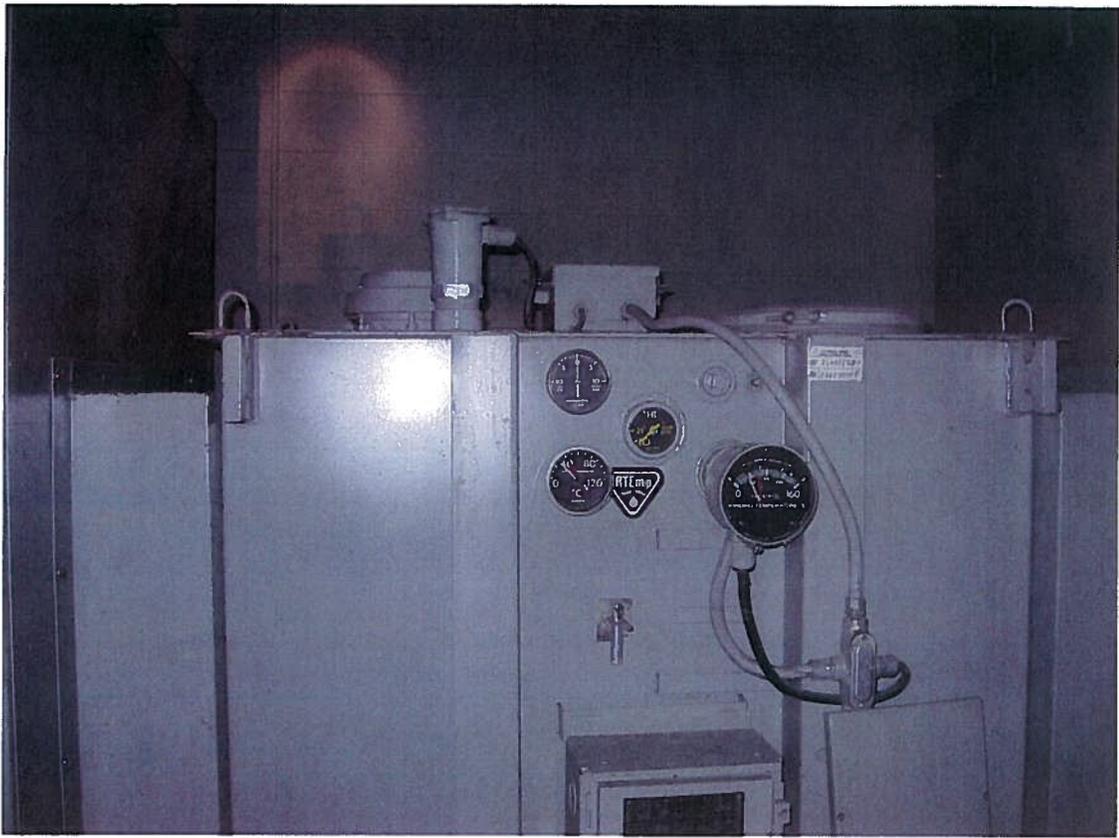
Photograph 4. Oil saturated debris located within the secondary containment area on the 2nd floor of Building 11.



Photograph 5. Dielectric oil within the secondary containment area surrounding the transformer located in the basement of Building 11.



Photograph 6. Dielectric oil within the secondary containment area surrounding the transformer located in the basement of Building 11:



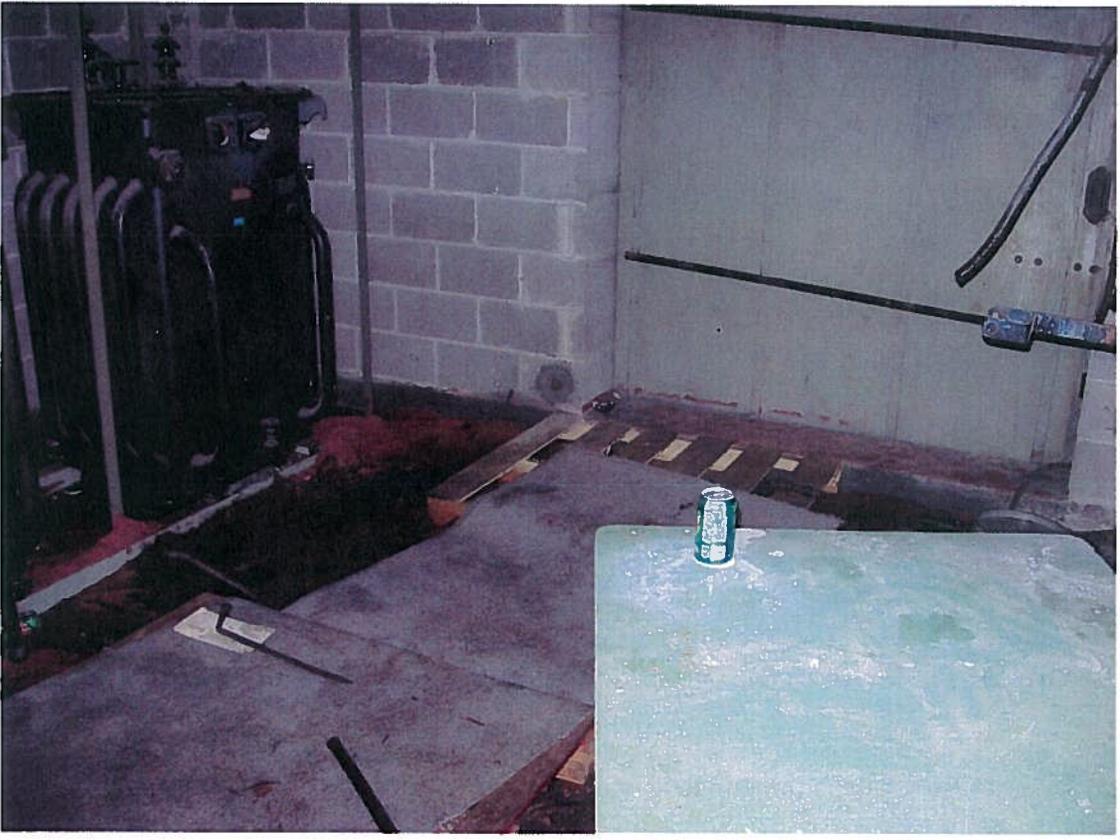
Photograph 7. Electrical transformer located in the basement of Building 11.



Photograph 8. Dielectric transformer oil release adjacent to the transformer room in the basement of Building 11.



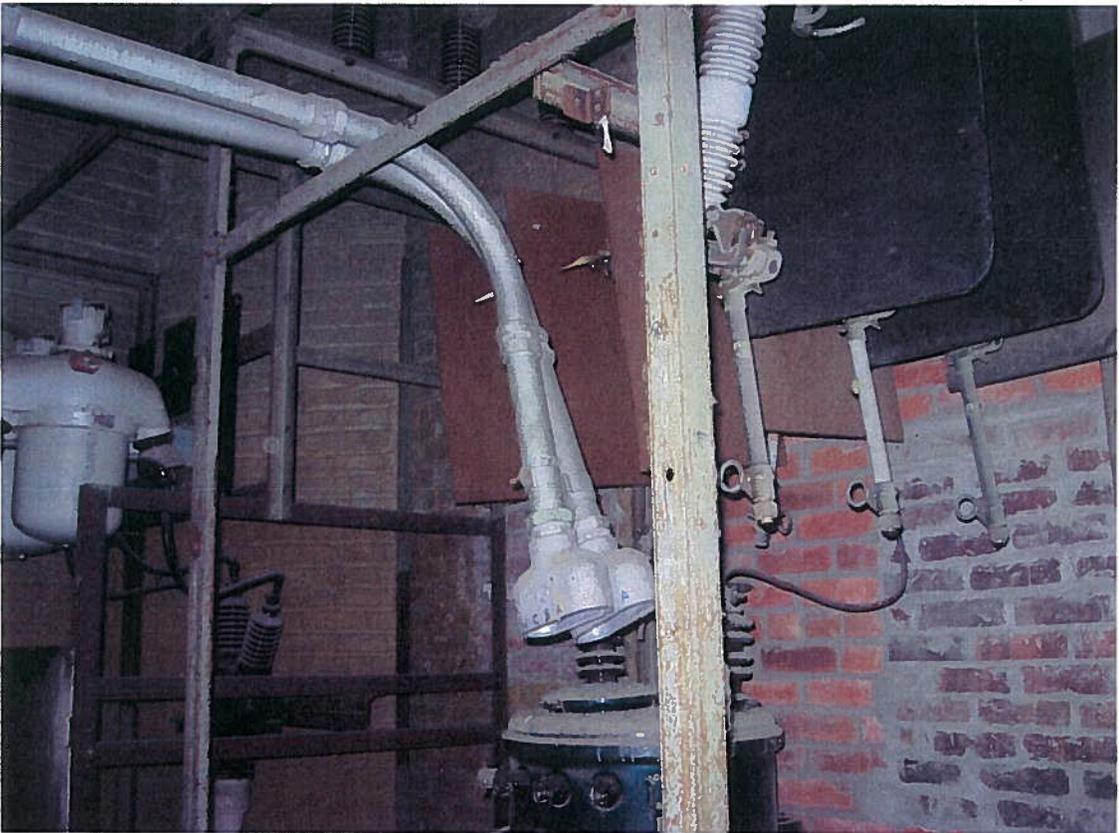
Photograph 9. Electrical transformers located within the transformer vault in the basement of Building 10.



Photograph 10. Dielectric oil saturated debris located in the transformer vault room in the basement of Building 10.



Photograph 11. Dielectric oil release in the basement level of Building 10 adjacent to the transformer vault.



Photograph 12. Oil containing transformer and switches located in Building 3.



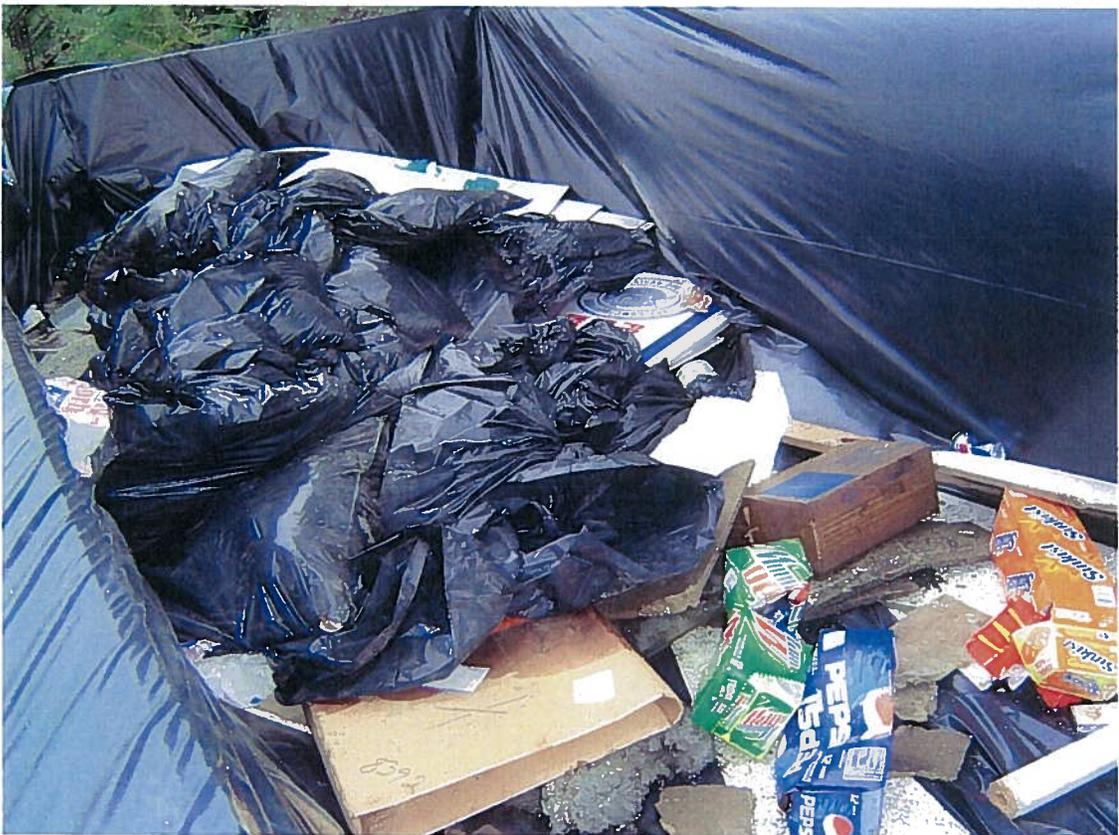
Photograph 13. Center spill area, post-remediation, adjacent to the transformer vault room in the basement of Building 10.



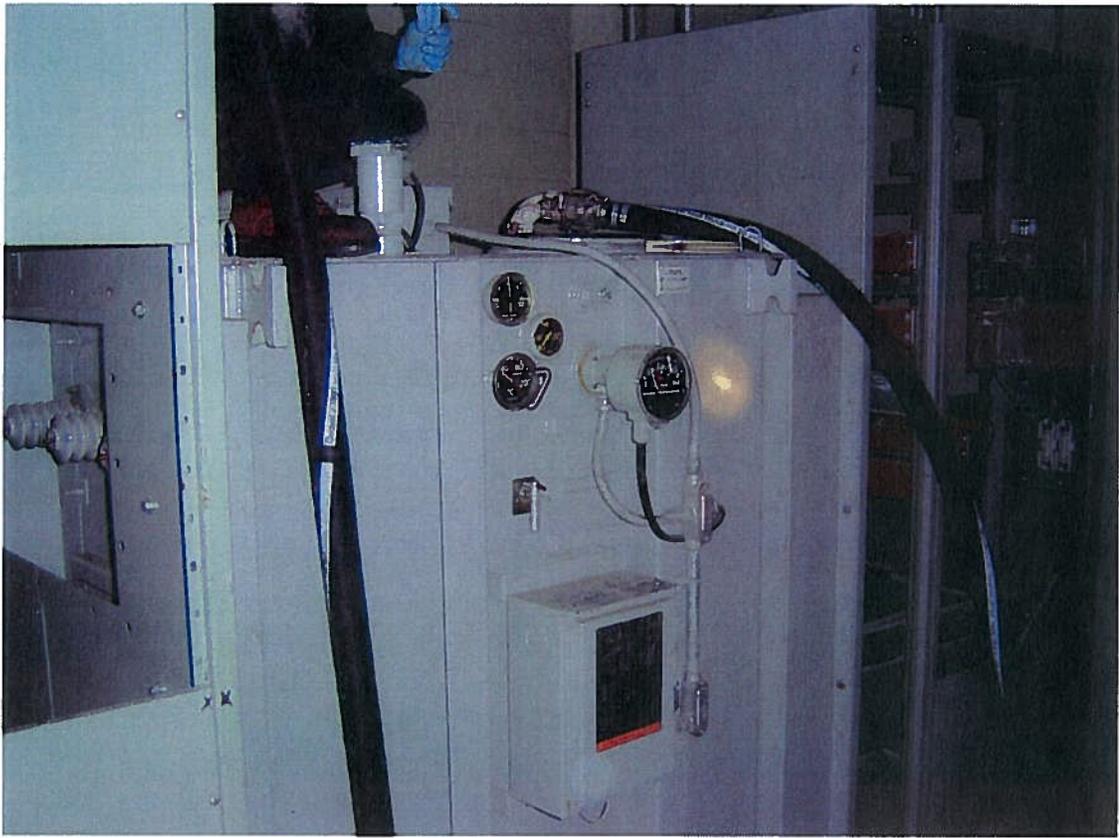
Photograph 14. Collecting a post-remediation wipe sample from the center spill area in the basement of Building 10.



Photograph 15. Collecting a concrete sample from the center spill area in the basement of Building 10, post-remediation.



Photograph 16. Oil saturated debris placed in a lined roll-off box.



Photograph 17. Using a vacuum truck to remove oil from the transformer located in the basement level of Building 11.



Photograph 18. Vacuum truck removing oil from the transformer located in the basement of Building 11.



Photograph 19. Collecting a concrete sample in the transformer vault in the basement level of Building 10, post-remediation.



Photograph 20. Main floor of building 11, post-remediation.



Photograph 21. Containment area on second floor of Building 11, post-remediation.



Photograph 22. Basement of Building 11, post-remediation.



Photograph 23. Flushing out floor drain and line in Building 13.



Photograph 24. Recovering wash water from Building 13 floor drain at manhole SW of Building 13.



Photograph 25. Vacuum truck utilized to recover and contain wash water.

APPENDIX G
CORRESPONDENCE

English, Deborah

From: Denise Burkett [Denise_Burkett@kcmo.org]
Sent: Tuesday, October 10, 2006 3:00 PM
To: English, Deborah
Cc: david.hartshorn@gsa.gov; Brewer, Dave; Domling, Jerrett; Paul_Wacker@kcmo.org; Fannye J Forester; John Dieter
Subject: Re: Follow-up on potential PCB discharges at GSA Hardesty facility
Attachments: 10-10-06 KCMO.pdf



10-10-06 KCMO.pdf
(20 KB)

The proposed course of action is acceptable to the department. Please forward documentation of disposal of washwater. Also forward date when floor drains are sealed and transformers drained. Thank you for your cooperation.

Denise R. Burkett, P.E.
Environmental Compliance Manager
Water Services Department
1001 Harrison Street
Kansas City, MO 64106
denise_burkett@kcmo.org
816-513-0606 phone
816-513-0615 fax

"English,
Deborah"
<DEnglish@SCSEngi
neers.com>

10/10/2006 07:41
AM

<denise_burkett@kcmo.org> To
cc
<david.hartshorn@gsa.gov>, "Brewer,
Dave" <DBrewer@SCSEngineers.com>,
<JDomling@scsengineers.com>

Subject
Follow-up on potential PCB
discharges at GSA Hardesty facility

Ms. Burkett,
A follow-up letter regarding the issue referenced above is attached to this e-mail. Let us know if you have any questions.

Deborah English
Project Director

Note new address and telephone number:
10975 El Monte Street, Suite 100
Overland Park, Kansas 66211-1407
(913) 451-7510 wk/7513 fax
816 547 6709 cell
www.scsengineers.com

(See attached file: 10-10-06 KCMO.pdf)

SCS ENGINEERS

October 10, 2006
File No. 02200070.61

Ms. Denise Burkett
Water Services Department
City of Kansas City, Missouri 64130
4800 E. 63rd Street
Kansas City, Missouri

Sent by e-mail to denise_burkett@kcmo.org

Subject: Follow-up to possible discharge of oil containing polychlorinated biphenyls (PCBs) to City of Kansas City, Missouri (KCMO), sanitary sewer system

Dear Ms. Burkett:

Our client, the General Services Administration (GSA) has requested that we follow up with you regarding our September 5, 2006, notification of a potential discharge of oil to KCMO's sanitary sewer in the vicinity of the Hardesty Federal Center, 601-607 Hardesty. SCS conducted additional assessment and sampling of the facility on September 18th and 19th. In addition to the floor drain and wipe samples documented in the September 5 letter, SCS collected oil samples from three additional transformers, three oil-filled switches, and a five-gallon can in Building 13, as well as from both the downstream sewer manholes. PCBs were detected in the three transformer samples at concentrations ranging from 1.58 to 10.0 parts per million (ppm) and in two of the switch samples at concentrations ranging from 0.256 to 1.34 ppm. PCBs were not detected in the remaining samples, including those from the two manholes. Oil appeared to have been released from two of the transformers; the remaining oil-filled equipment was undamaged.

Since PCBs were not detected in the manholes, it is unclear whether PCBs were discharged to the KCMO sewer. However, GSA proposes to clean the floor drain and discharge line from the inlet in Building 13 to the first manhole located adjacent to the northeast corner of the building. Following proper decontamination of the floor drain in Building 13, the floor drain will be sealed.

Although vandalized equipment was found in other buildings at the facility, it does not appear that PCBs were discharged to the sanitary sewer from other locations. Nevertheless, GSA also proposes to drain the oil from all remaining transformers and to plug other floor drains at the facility. These actions will further minimize the possibility of PCBs being released to the KCMO sanitary sewer system.

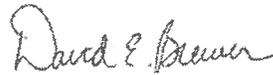
October 10, 2006

Please contact either of the undersigned or Mr. David Hartshorn of GSA at (816) 823-2227, if you have any questions.

Sincerely,



Deborah A. English, P.E
Project Director
SCS ENGINEERS



David E. Brewer, P.G.
Vice President
SCS ENGINEERS