

Appendix O

Hazardous Materials

O.1 PHASE I ASSESSMENTS

Phase I Environmental Site Assessments were performed on sites required for the following elements of the Proposed Action: the No. 7 Subway Extension, Multi-Use Facility, the Convention Center Expansion, the Midblock Park and Boulevard System and the relocation and consolidation of NYPD Tow Pound and the DSNY Facility. Executive Summaries of these Phase I Assessments and a sample notification letter sent to property owners are included in this section. The properties for which Phase I assessments were prepared are listed below:

LIST OF PHASE I ASSESSMENTS

City Sites	
Block / Lot	Street Address
0705 / 053	524 West 34th Street
0705 / 054	528 West 34th Street
0706 / 010	539 West 34th Street
0706 / 015	533 West 34th Street
0706 / 017	527 West 34th Street
0706 / 048	534 West 35th. Street
0706 / 050	538 West 35th. Street
0706 / 052	544 West 35th. Street
0706 / 055	550 West 35th. Street
0707 / 013	537 West 35th. Street
0707 / 016	529 West 35th Street
0707 / 020	517 West 35th Street
0707 / 051	524 West 36th Street
0707 / 054 & 056	530-542 West 36th Street
0708 / 001	438 Eleventh Avenue
0708 / 017	527 West 36th Street
0708 / 020	525 West 36th Street
0708 / 046	518 West 37th Street
0708 / 048	522 West 37th Street
0709 / 017	525-539 West 37th Street
0709 / 023	521 West 37th Street
0709 / 025	513 West 37th Street
0709 / 046	510 West 38th Street
0709 / 052	522 West 38th Street
0710 / 011	535 West 38th Street
0710 / 015	520 West 39th Street
0710 / 020	519 West 38th Street
0710 / 022	509 West 38th Street
1070 / 020	515 West 41st Street

No. 7 Subway Extension Sites	
Block / Lot	Street Address
0697 / 001	220 Eleventh Avenue
0697 / 060	554 West 26th Street
0705 / 001	380 Eleventh Avenue
0705 / 005	553 West 33rd Street
0706 / 001	400 Eleventh Avenue
0707 / 001	418 Eleventh Avenue
0763 / 047	310 West 40th Street
1032 / 029	641 Eighth Avenue
1051 / 001	560 Tenth Avenue
1069 / 001	514 Eleventh Avenue
1069 / 029	537 Tenth Avenue
1069 / 034	547 Tenth Avenue
Corona Yards	Corona Yards Site
NYPD Tow Pound/DSNY Facility Site	
Block / Lot	Street Address
0675 / 001	260 West Side Highway
0675 / 012	613 West 29th Street
0675 / 024	609 West 29th Street
0675 / 026 & 029	603 West 29th Street & 301 Eleventh Avenue
0675 / 036	309 Eleventh Avenue
0675 / 038 & 039	604 West 30th Street & 606 West 30th Street
Multi-Use Facility & Convention Center Expansion Sites	
Block / Lot	Street Address
676 / 003	Caemmerer Yard
702 / 050	
707 / 001	
1088 / 001	West 40th to West 41st Streets between Eleventh and Twelfth Avenue
1089 / 003	West 41st to West 42nd Streets between Eleventh and Twelfth Avenue
685 / 001	West 38th to West 40th Streets between Eleventh and Twelfth Avenue
685 / 038	
685 / 042	
679 / 001	West 33rd to West 34th Streets between Eleventh and Twelfth Avenue
Proposed Truck Tunnel	West 33rd to West 41st. Streets between Tenth and Eleventh Aves.

O.2 RESULTS FOR SOIL AND GROUNDWATER SAMPLES

The soil and groundwater sampling result tables are included in this appendix.

O.1 PHASE 1 ASSESSMENTS

EXECUTIVE SUMMARY

At the request of the City of New York (the City), the Parsons Brinckerhoff (PB) Team conducted a Phase I Environmental Site Assessment (ESA) of the property located at 641 Eighth Avenue, New York, New York (Block 1032 Lot 29, hereafter referred to as the "Subject Property"). The purpose of this ESA is to identify, to the extent feasible, the presence or likely presence of hazardous substances or petroleum products on or near the Subject Property.

These hazardous substances and petroleum products are defined in the American Society of Testing and Materials (ASTM) Standard Practice E 1527-00 as *recognized environmental conditions (RECs)*. In addition, other environmental issues and conditions not considered to be *RECs* are identified in this assessment. These include *historical RECs* or *de minimis* conditions.

The Phase I ESA also includes a preliminary evaluation of specific potential environmental issues or conditions that are, according to ASTM E 1527-00, considered non-scope considerations. These issues include radon, asbestos-containing materials, lead-based paint, and polychlorinated biphenyls. The Phase I ESA includes a review of regulatory agency databases and historical maps, and visual observations of the Subject Property and adjoining properties.

The City has requested that this assessment be conducted for purposes of environmental due diligence in order to qualify for the innocent landowner defense to CERCLA liability. In addition, the assessment is intended to identify conditions that have the potential to impact the use of the Subject Property as part of the No. 7 Subway Extension in conjunction with the Hudson Yards Rezoning and Development Program.

The Subject Property consists of an approximately 40,000-square foot rectangular-shaped parcel located on the west side of Eighth Avenue, between West 41st and West 42nd Streets, in an area that is primarily characterized by commercial and theater-related uses. Review of historical Sanborn fire insurance maps identified RECs associated with historical uses of the Subject Property and adjoining properties. These historical RECs include a gas station at the Subject Property, and a piano factory, a NY Edison Co. facility and the Port Authority Bus Terminal at adjoining properties.

Access to the Subject Property was not granted by the property owner at the time of inspection; therefore only a visual inspection of the site was performed from the sidewalk.

Based on the findings of this Phase I ESA, the identified RECs would not preclude use of the Subject Property as part of the proposed extension of the No. 7 Subway Extension in conjunction with the Hudson Yards Rezoning and Development Program; however, prior to acquisition or development, it is recommended that a program of subsurface sampling and laboratory analysis be performed to determine if releases associated with the historical land uses and three open NY Spills/LTANKS cases have impacted soil and/or groundwater at the Subject Property, specifically in areas where construction activities are proposed.

EXECUTIVE SUMMARY

At the request of the City of New York (the City), the Parsons Brinckerhoff (PB) Team conducted a Phase I Environmental Site Assessment (ESA) of the property located at 537-547 Tenth Avenue, New York, New York (Block 1069 Lots 29 and 34, hereafter referred to as the "Subject Property"). The purpose of this ESA is to identify, to the extent feasible, the presence or likely presence of hazardous substances or petroleum products on or near the Subject Property.

These hazardous substances and petroleum products are defined in the American Society of Testing and Materials (ASTM) Standard Practice E 1527-00 as *recognized environmental conditions (RECs)*. In addition, other environmental issues and conditions not considered to be *RECs* are identified in this assessment. These include *historical RECs* or *de minimis* conditions.

The Phase I ESA also includes a preliminary evaluation of specific potential environmental issues or conditions that are, according to ASTM E 1527-00, considered non-scope considerations. These issues include radon, asbestos-containing materials, lead-based paint, and polychlorinated biphenyls. The Phase I ESA includes a review of regulatory agency databases and historical maps, and visual observations of the Subject Property and adjoining properties.

The City has requested that this assessment be conducted for purposes of environmental due diligence in order to qualify for the innocent landowner defense to CERCLA liability. In addition, the assessment is intended to identify conditions that have the potential to impact the use of the Subject Property as part of the No. 7 Subway Extension in conjunction with the Hudson Yards Rezoning and Development Program.

The Subject Property consists of an approximately 17,875-square foot rectangular-shaped parcel located on the west side of Tenth Avenue, between West 40th and West 41st Streets, in an area that is primarily characterized by commercial uses. Review of historical Sanborn Fire Insurance Maps identified RECs associated with historical uses of the Subject Property and adjoining properties. These historical RECs include a "Chinese Laundry", a gas station and an automobile repair garage at the Subject Property, and a coal yard, a piano factory and several gas stations at adjoining properties.

Review of regulatory agency databases identified the Subject Property, as well as two nearby facilities, as active New York Spills/Leaking Underground Storage Tanks (NY Spills/LTANKS) cases that are considered RECs.

Based on the findings of this Phase I ESA, the identified RECs would not preclude use of the Subject Property as part of the Hudson Yards Rezoning and Development Program in conjunction with the proposed extension of the No. 7 Subway Extension; however, prior to acquisition or development, it is recommended that a program of subsurface sampling and laboratory analysis be performed to determine if releases associated with the historical land uses and three open NY Spills/LTANKS cases have impacted soil and/or groundwater at the Subject Property, specifically in areas where construction activities are proposed.

EXECUTIVE SUMMARY

At the request of the City of New York (the City), the Parsons Brinckerhoff (PB) Team conducted a Phase I Environmental Site Assessment (ESA) of the property located at 515 West 41st Street, New York, New York (Block 1070, Lot 20 – hereafter referred to as the “Subject Property”). The purpose of this ESA is to identify, to the extent feasible, the presence or likely presence of hazardous substances or petroleum products on or near the Subject Property.

These hazardous substances and petroleum products are defined in the American Society of Testing and Materials (ASTM) Standard Practice E 1527-00 as *recognized environmental conditions (RECs)*. In addition, other environmental issues and conditions not considered to be RECs are identified in this assessment. These include *historical RECs* or *de minimis* conditions.

The Phase I ESA includes a review of regulatory agency databases and historical maps; as well as visual observations of the Subject Property and adjoining properties.

The City has requested that this assessment be conducted for purposes of environmental due diligence in order to qualify for the innocent landowner defense to CERCLA liability. In addition, the assessment is intended to identify conditions that would have the potential to impact the use of the Subject Property as part of the Midblock Park and Boulevard System proposed under the No. 7 Subway Extension – Hudson Yards Rezoning and Development Program.

The Subject Property consists of an approximately 25,000–square foot irregularly shaped lot that contains two three-story buildings that cover the majority of the lot, and is located approximately mid block between Tenth and Eleventh Avenues on West 41st Street. The Subject Property has historically been used as residences and as a motel.

Based on a review of Sanborn Fire Insurance Maps, the historical use of the Subject Property as a railroad right-of-way is considered a REC and the presence of a Con Edison switchyard and substation adjacent to the Subject Property to the west, as well as a garage adjacent to the northwest are considered historical RECs.

A total of 78 New York Spills/Leaking Underground Storage Tanks (NY Spills/LTANKS) cases were identified within a half-mile radius of the Subject Property. Of these, 31 were closed cases and 35 were crossgradient or downgradient of the Subject Property and are not considered RECs due to the size of the spill. The remaining 12 open cases are either upgradient or in close proximity (adjacent) to the Subject Property. Based on the distances, assumed hydraulic gradients, and current regulatory status, four of these open cases are considered RECs because they have the potential to have impacted soil and/or groundwater at the Subject Property.

In addition, a 10,000 gallon heating oil UST is reported to be located on the Subject Property, with a second 10,000 gallon UST located on the property immediately adjacent to the north. Both are considered RECs.

Because property access was not granted by the property owner, the PB Team was only able to perform a visual inspection of the buildings’ exterior from publicly accessible

EXECUTIVE SUMMARY

At the request of the City of New York (the City), the Parsons Brinckerhoff (PB) Team conducted a Phase I Environmental Site Assessment (ESA) of the property located at 560 Tenth Avenue, New York, New York (Block 1051 Lots 1 and 8), and is hereafter referred to as the “Subject Property.” The purpose of this ESA is to identify, to the extent feasible, the presence or likely presence of hazardous substances or petroleum products on or near the Subject Property.

These hazardous substances and petroleum products are defined in the American Society of Testing and Materials (ASTM) Standard Practice E 1527-00 as *recognized environmental conditions (RECs)*. In addition, other environmental issues and conditions not considered to be RECs are identified in this assessment. These include *historical RECs* or *de minimis* conditions.

The Phase I ESA also includes a preliminary evaluation of specific potential environmental issues or conditions that are, according to ASTM E 1527-00, considered non-scope considerations. These issues include radon, asbestos-containing materials, lead-based paint, and polychlorinated biphenyls. The Phase I ESA includes a review of regulatory agency databases and historical maps, and visual observations of the Subject Property and adjoining properties.

The City has requested that this assessment be conducted for purposes of environmental due diligence in order to qualify for the innocent landowner defense to CERCLA liability. In addition, the assessment is intended to identify conditions that have the potential to impact the use of the Subject Property as part of the proposed extension of the No. 7 Subway Extension in conjunction with the Hudson Yards Rezoning and Development Program.

The Subject Property consists of an approximately 41,450-square foot irregular-shaped parcel located on the east side of Tenth Avenue, between West 41st and West 42nd Streets, in an area that is primarily characterized by commercial and theater-related uses. Review of historical Sanborn fire insurance maps identified RECs associated with historical uses of the Subject Property and adjoining properties. These historical RECs include an iron works, a paint shop and a bus terminal at the Subject Property, and a coal yard, a print shop, machine shop, steam laundry and several gas stations at adjoining properties.

Review of regulatory agency databases identified the Subject Property as being listed in the ERNS database, and five nearby facilities as active New York Spills/Leaking Underground Storage Tanks (NY Spills/LTANKS) cases that are considered RECs.

Access to the Subject Property was not granted by the property owner at the time of inspection; therefore only a visual inspection of the site was performed from the sidewalk.

Based on the findings of this Phase I ESA, the identified RECs would not preclude use of the Subject Property as part of the proposed extension of the No. 7 Subway Extension in conjunction with the Hudson Yards Rezoning and Development Program; however, prior to acquisition or development, it is recommended that a program of subsurface

sampling and laboratory analysis be performed to determine if releases associated with the historical land uses and three open NY Spills/LTANKS cases have impacted soil and/or groundwater at the Subject Property, specifically in areas where construction activities are proposed.

EXECUTIVE SUMMARY

At the request of the City of New York (the City), the Parsons Brinckerhoff (PB) Team conducted a Phase I Environmental Site Assessment (ESA) of the property located at 514 Eleventh Avenue, New York, New York (Block 1069, Lot 1 – hereafter referred to as the “Subject Property”). The purpose of this ESA is to identify, to the extent feasible, the presence or likely presence of hazardous substances or petroleum products on or near the Subject Property.

These hazardous substances and petroleum products are defined in the American Society of Testing and Materials (ASTM) Standard Practice E 1527-00 as *recognized environmental conditions (RECs)*. In addition, other environmental issues and conditions not considered to be *RECs* are identified in this assessment. These include *historical RECs* or *de minimis* conditions.

The Phase I ESA includes a review of regulatory agency databases and historical maps, and visual observations of the Subject Property and adjoining properties.

The City has requested that this assessment be conducted for purposes of environmental due diligence in order to qualify for the innocent landowner defense to CERCLA liability. In addition, the assessment is intended to identify conditions that have the potential to impact the use of the Subject Property as the proposed entrance to the Midblock Park and Boulevard System as proposed under the Hudson Yards Rezoning and Development Program.

The Subject Property consists of an approximately 100,000-square foot generally rectangular-shaped parcel located on the east side of Eleventh Avenue, between West 40th and West 41st Streets, in an area that is primarily characterized by commercial uses. Review of historical Sanborn Fire Insurance Maps identified RECs associated with historical uses of the Subject Property and adjoining properties. These historical RECs include a coal yard, machine shop, a garage with USTs, a gas station, a bus garage, an automobile dealership, and a railroad right-of-way at the Subject Property; and a machine shop, furniture factory, manufactured gas plant, sheet metal shop, electric utility switchyard, bus terminal and a railroad yard at adjoining properties.

Based on the findings of this Phase I ESA, the identified RECs would not preclude use of the Subject Property as the proposed entrance to the Midblock Park and Boulevard System; however, prior to acquisition or development, it is recommended that a program of subsurface sampling and laboratory analysis be performed to determine if releases associated with current and historical land uses have impacted soil and/or groundwater at the Subject Property, specifically in areas where construction activities are proposed.

areas. This modified site inspection did not identify any RECs. Based on the findings of this Phase I ESA, it does not appear that the RECs identified would preclude use of the Subject Property for inclusion as part of the proposed Midblock Park and Boulevard System. However, the PB Team recommends that a program of baseline subsurface sampling and analysis be performed to determine whether historical uses at adjacent properties adversely impacted the surface soil/groundwater quality beneath the Subject Property.

EXECUTIVE SUMMARY

At the request of the City of New York (the City), the Parsons Brinckerhoff (PB) Team conducted a Phase I Environmental Site Assessment (ESA) of the Quill Bus Depot property located at 525 Eleventh Avenue, New York, New York (Block 1088, Lot 1 – hereafter referred to as the “Subject Property”). The purpose of this ESA is to identify, to the extent feasible, the presence or likely presence of hazardous substances or petroleum products on or near the Subject Property.

These hazardous substances and petroleum products are defined in the American Society of Testing and Materials (ASTM) Standard Practice E 1527-00 as *recognized environmental conditions (RECs)*. In addition, other environmental issues and conditions not considered to be *RECs* are identified in this assessment. These include *historical RECs* or *de minimis* conditions.

The Phase I ESA includes a review of regulatory agency databases and historical maps; as well as visual observations of the Subject Property and adjoining properties.

This assessment has been conducted for purposes of environmental due diligence in order to qualify for the innocent landowner defense to CERCLA liability.

The Subject Property consists of an approximately 152,000-square foot lot located between Eleventh and Twelfth Avenues and between 40th and 41st, Streets in an area that is primarily characterized by commercial and industrial related uses.

Based on a review of Sanborn Fire Insurance Maps and City agency records, numerous historical uses were identified on the Subject Property and adjoining properties that are considered RECs. On-site historical use RECs include a junkyard, coal storage, stockyards, leather curing, underground storage tanks, and a Greyhound bus maintenance facility. Off-site historical use RECs include coal storage, a former Consolidated Edison manufactured gas plant (MGP) located immediately to the north across 41st Street, and an active rail yard.

Three New York Spills/Leaking Underground Storage Tanks (NY Spills/LTANKS) cases were identified as associated with the Subject Property and are considered RECs due to reported and documented impacts to soil and groundwater.

The review of previously performed environmental investigations concerning the Subject Property, reveal that in 1987 a diesel fuel release was discovered on the southwest portion of the property. The spill was apparently the result of a broken remote fill line. Beginning in 1989, several investigations were performed with regard to the various petroleum product storage systems located at the facility. Those reports document the discovery of separate phase product (product) that was discovered beneath the Quill Bus Depot that occurred as a result of the aforementioned diesel fuel release. Groundwater remedial effort was set forth to address the diesel fuel release. As a result of the extensive investigations performed on the property, the extent of subsurface contamination is known and documented; therefore, the PB Team does not recommend further subsurface sampling and laboratory analysis be undertaken.

EXECUTIVE SUMMARY

At the request of the City of New York (the City), the Parsons Brinckerhoff (PB) Team conducted a Phase I Environmental Site Assessment (ESA) of the property located at 609 West 29th Street, New York, New York (Block 675, Lot 24 – hereafter referred to as the “Subject Property”). The purpose of this ESA is to identify, to the extent feasible, the presence or likely presence of hazardous substances or petroleum products on or near the Subject Property.

These hazardous substances and petroleum products are defined in the American Society of Testing and Materials (ASTM) Standard Practice E 1527-00 as *recognized environmental conditions (RECs)*. In addition, other environmental issues and conditions not considered to be RECs are identified in this assessment. These include *historical RECs* or *de minimis* conditions.

The Phase I ESA includes a review of regulatory agency databases and historical maps; as well as visual observations of the Subject Property and adjoining properties.

The City has requested that this assessment be conducted for purposes of environmental due diligence in order to qualify for the innocent landowner defense to CERCLA liability. In addition, the assessment is intended to identify conditions that would have the potential to impact the use of the Subject Property as the proposed relocation site for the New York City Police Department’s (NYPD) Tow Pound. The existing Tow Pound may be relocated in association with the proposed No. 7 Subway Extension – Hudson Yards Rezoning and Development Program.

The Subject Property consists of an approximately 5,000-square foot lot located approximately 400 feet west of Eleventh Avenue, on the north side West 29th Street, in an area that is primarily characterized by commercial and arts-related uses.

Based on a review of Sanborn Fire Insurance Maps and City agency records, numerous historical uses were identified on the Subject Property and adjoining properties that are considered RECs. On-site historical use RECs includes a smelting and refining facility, an asbestos construction company, a trucking facility, and an iron works. Off-site historical use RECs includes railroad yards, a gasoline station, a former solid waste transfer station, and a NYCDOS vehicle maintenance garage.

Twenty-seven New York Spills/Leaking Underground Storage Tanks (NY Spills/LTANKS) cases were identified within a half-mile radius of the Subject Property, of which 12 are located within a one-eighth mile radius of the Subject Property, and are therefore considered to be RECs. Two of the 27 spills were cross-listed on the Resource Conservation and Recovery Information System Generators/Transporters (RCRIS Gen/Trans) database and the Petroleum Bulk Storage (PBS)/Chemical Bulk Storage (CBS) database.

During the site interview, the owner’s representative stated that the Subject Property had historically been utilized as a warehouse facility, but had been vacant for several years prior to the site inspection. The Subject Property was completely covered with the on-site building at the time of inspection, and therefore it was not possible to visually assess the general condition of site soils. The Subject Property appeared to be in good overall condition at the time of the site inspection, and was reported to not contain any subterranean areas, with the

on-site building being of slab on grade construction. There was no evidence of on-site conditions that would be considered RECs at the time of the site inspection.

Based on the findings of this Phase I ESA, it does not appear that the RECs identified based on historical site usage or adjacent properties would preclude potential use of the Subject Property for the NYPD Tow Pound. However, the PB Team recommends that a program of baseline subsurface soil and groundwater sampling be conducted to determine the impact, if any, to the Subject Property's subsurface from historical site usage and/or discharges.

EXECUTIVE SUMMARY

At the request of the City of New York (the City), the Parsons Brinckerhoff (PB) Team conducted a Phase I Environmental Site Assessment (ESA) of the property located at 613 West 29th Street, New York, New York (Block 675, Lot 12 – hereafter referred to as the “Subject Property”). The purpose of this ESA is to identify, to the extent feasible, the presence or likely presence of hazardous substances or petroleum products on or near the Subject Property.

The main objective of the Phase I ESA was to identify the presence or likely presence, use, or release on the Subject Property of hazardous substances or petroleum products which are defined in the American Society of Testing and Materials (ASTM) Standard Practice E 1527-00 as *recognized environmental conditions (RECs)*. In addition, other environmental issues and conditions that, in the opinion of the *environmental professional* conducting the assessment, would not be considered RECs are identified in this assessment. These may include *historical RECs* or *de minimis* conditions.

The City has requested that this assessment be conducted for purposes of environmental due diligence in order to qualify for the innocent landowner defense to CERCLA liability. In addition, the assessment is intended to identify conditions that would have the potential to impact the use of the Subject Property as the proposed relocation site for the New York City Police Department’s (NYPD) Tow Pound. The existing Tow Pound may be relocated in association with the proposed No. 7 Subway Extension – Hudson Yards Rezoning and Development Program.

The Subject Property consists of an approximately 15,000-square foot lot located approximately 500 feet west of Eleventh Avenue, on the north side West 29th Street, in an area that is primarily characterized by commercial and arts-related uses. The Subject Property has historically been used as an iron works, a junkyard, and a building materials store and is currently a commercial parking lot.

Based on a review of Sanborn Fire Insurance Maps and City agency records, numerous historical uses were identified on the Subject Property and adjoining properties that are considered RECs. On-site historical use RECs includes a smelting and refining facility, asbestos construction company, trucking facility, and construction debris transfer facility. Off-site historical use RECs includes railroad yards, gasoline station, lumber yard and bus maintenance garage.

Twenty-seven New York Spills/Leaking Underground Storage Tanks (NY Spills/LTANKS) cases were identified as within a half-mile radius of the Subject Property, of which twelve are located within a one-eighth mile radius of the Subject Property, and are therefore considered to be RECs. Two of the twenty-seven spills were cross-listed on the Resource Conservation and Recovery Information System Generators/Transporters (RCRIS Gen/Trans) database and the Petroleum Bulk Storage (PBS)/Chemical Bulk Storage (CBS) database.

During the site interview, the owner’s representative provided documentation from the NYSDEC indicating that the portion of the Subject Property that had previously contained a construction debris transfer station had not been completely remediated pursuant to the NYSDEC’s Waste Management Facility Inspection Report dated October 11, 2000. Additionally, the owner’s representative stated that a portion of the Subject

Property also contained two improperly abandoned underground storage tanks (USTs). The representative did not know whether the USTs had leaked, nor was he aware of any closure and/or registration documentation regarding the UST's. Due to the lack of closure documentation, therefore, the two USTs are identified as RECs, as well as the soil beneath the former construction debris transfer facility that was not adequately remediated pursuant to NYSDEC requirements.

The Subject Property was completely covered with either asphalt or buildings at the time of inspection and, therefore, it was not possible to visually assess the general condition of site soils. At the time of inspection, a portion of the Subject Property (approximately 8,800-square feet) was covered by a two story modular building that is utilized by the New York City Department of Sanitation (NYCDOS) for offices and locker room facilities. It was reported that, prior to the installation of the modular building in the mid 1990's, the area was an unpaved lot utilized for the parking and maintenance of NYCDOS trucks and employee vehicles. Because the area is reported as having been previously covered by an unpaved surface, there is the potential that petroleum-based fuels and fluids may have leaked/discharged to the subsurface. As a result, this area is considered a REC.

Based on the findings of this Phase I ESA, it does not appear that the RECs identified would preclude potential use of the Subject Property for the NYPD Tow Pound; however, the PB Team recommends that a program of baseline subsurface sampling and laboratory analysis be undertaken to determine if releases associated with the on-site USTs and historical land uses of the Subject Property have impacted soil and/or groundwater at the Subject Property.

EXECUTIVE SUMMARY

At the request of the City of New York (the City), the Parsons Brinckerhoff (PB) Team conducted a Phase I Environmental Site Assessment (ESA) of the property located at 260 Joe DiMaggio Highway, New York, New York (Block 675, Lot 1 – hereafter referred to as the “Subject Property”). The purpose of this ESA is to identify, to the extent feasible, the presence or likely presence of hazardous substances or petroleum products on or near the Subject Property.

These hazardous substances and petroleum products are defined in the American Society of Testing and Materials (ASTM) Standard Practice E 1527-00 as *recognized environmental conditions (RECs)*. In addition, other environmental issues and conditions not considered to be RECs are identified in this assessment. These include *historical RECs* or *de minimis* conditions.

The Phase I ESA includes a review of regulatory agency databases and historical maps; as well as visual observations of the Subject Property and adjoining properties.

The City has requested that this assessment be conducted for purposes of environmental due diligence in order to qualify for the innocent landowner defense to CERCLA liability. In addition, the assessment is intended to identify conditions that would have the potential to impact the use of the Subject Property as the proposed relocation site for the New York City Police Department’s (NYPD) Tow Pound. The existing Tow Pound may be relocated in association with the proposed No. 7 Subway Extension – Hudson Yards Rezoning and Development Program.

The Subject Property consists of an approximately 70,000-square foot lot located on the West Side Highway between West 30th Street and West 29th Street in an area that is primarily characterized by commercial and arts-related uses. The Subject Property has historically been used as an iron works, a junkyard, and a building materials store and is currently a commercial parking lot.

Based on a review of Sanborn Fire Insurance Maps and City agency records, numerous historical uses were identified on the Subject Property and adjoining properties that are considered RECs. On-site historical use RECs include a lumber yard, a soap factory, and a truck/bus parking facility. Off-site historical use RECs include a lumber yard, railroad yards, a coal yard, a truck transfer station, and a New York City Department of Sanitation maintenance garage.

Eighteen New York Spills/Leaking Underground Storage Tanks (NY Spills/LTANKS) cases were identified as within a half-mile radius of the Subject Property, of which six are located within a one-eighth mile radius of the Subject Property, and are therefore considered to be RECs. Only one of the 18 spills was cross-listed on the Resource Conservation and Recovery Information System Generators/Transporters (RCRIS Gen/Trans) database and the Petroleum Bulk Storage (PBS)/Chemical Bulk Storage (CBS) database.

Access to the Subject Property was not granted by the property owner at the time of inspection; therefore only a visual inspection of the site was performed from the sidewalk. The Subject Site was completely covered with asphalt at the time of inspection and was being utilized as a parking facility for Greyhound Company buses. The parking

area appeared to be in good overall condition with only very minor cracking of the asphalt being observed. The Subject Property was also observed to contain a large (approximately 5,000-gallon) above ground storage tank that was surrounded by protective bollards, but did not appear to contain any sort of secondary containment. Adjacent to the AST was a dispenser pump, which is believed to be used for the fueling of the on-site buses. The only other permanent structure observed on site was a small shed that appeared to be used for security purposes. The entire property is surrounded by chain link fencing.

Based on the findings of this Phase I ESA, it does not appear that the RECs identified would preclude potential use of the Subject Property for the NYPD Tow Pound; however, the PB Team recommends that a program of baseline subsurface sampling and laboratory analysis be undertaken to determine if releases associated with historical land uses of the Subject Property and adjacent properties have impacted soil and/or groundwater at the Subject Property.

EXECUTIVE SUMMARY

At the request of the City of New York (the City), the Parsons Brinckerhoff (PB) Team conducted a Phase I Environmental Site Assessment (ESA) of the properties located at 603 West 29th Street and 301 Eleventh Avenue, New York, New York (Block 675, Lots 26 and 29 – hereafter referred to as the “Subject Property”). The purpose of this ESA is to identify, to the extent feasible, the presence or likely presence of hazardous substances or petroleum products on or near the Subject Property.

These hazardous substances and petroleum products are defined in the American Society of Testing and Materials (ASTM) Standard Practice E 1527-00 as *recognized environmental conditions (RECs)*. In addition, other environmental issues and conditions not considered to be RECs are identified in this assessment. These include *historical RECs* or *de minimis* conditions.

The Phase I ESA includes a review of regulatory agency databases and historical maps; as well as visual observations of the Subject Property and adjoining properties.

The City has requested that this assessment be conducted for purposes of environmental due diligence in order to qualify for the innocent landowner defense to CERCLA liability. In addition, the assessment is intended to identify conditions that would have the potential to impact the use of the Subject Property as the proposed relocation site for the New York City Police Department’s (NYPD) Tow Pound. The existing Tow Pound may be relocated in association with the proposed No. 7 Subway Extension – Hudson Yards Rezoning and Development Program.

The Subject Property consists of two adjoining lots, under single ownership, with a total area of approximately 20,000 square feet. The Subject Property are located in the northwest quadrant of the intersection of West 29th Street and 11th Avenue, in an area that is primarily characterized by commercial and arts-related uses. The Subject Property has historically been used as a lumber yard, a smelting and refining facility, an asbestos construction company, an express depot, and a supply company. Based on the historical usage of the properties and the potential to have adversely impacted subsurface soil and/or groundwater, the historical usages of the Subject Property are considered RECs.

Based on a review of Sanborn Fire Insurance Maps and City agency records, numerous historical uses were identified on the Subject Property and adjoining properties that are considered RECs. On-site historical use RECs includes a smelting and refining facility, and an asbestos construction company. Off-site historical use RECs includes railroad yards, a coal yard, a gasoline station, and a New York Department of Sanitation (NYCDOS) vehicle maintenance garage.

Twenty-four New York Spills/Leaking Underground Storage Tanks (NY Spills/LTANKS) cases were identified within a half-mile radius of the Subject Property, of which 12 are located within a one-eighth mile radius of the Subject Property, and are therefore considered to be RECs. Two of the twenty-four spills were cross-listed on the Resource Conservation and Recovery Information System Generators/Transporters (RCRIS Gen/Trans) database and the Petroleum Bulk Storage (PBS)/Chemical Bulk Storage (CBS) database.

During the site interview, the owner's representative stated that the Subject Property had historically been utilized as a marine supply warehouse and package delivery service prior to being converted into their current uses as a beer/soda distributor and art gallery/studio. The owner's representative also stated that the property located to the west (currently a commercial parking lot and New York City Department of Sanitation facility) was the site of the former Red Ball Demolition Company solid waste transfer station. Upon closure of that facility in 1999, the New York State Department of Environmental Conservation (NYSDEC) found several violations that required remediation. Upon final inspection, the NYSDEC representative found that the site had been paved, and therefore site soils could not be inspected as required. As a result, the site still has an active NYSDEC case number (No. 31T08). However, because the former Red Ball facility is located downgradient of the Subject Properties, it is not considered a REC.

The Subject Property was completely covered with on-site buildings at the time of inspection and it was not possible to visually assess the general condition of site soils. The Subject Property appeared to be in good overall condition at the time of the site inspection. The building located at 603 West 29th Street was observed to contain a basement area that presently contains an above-grade fuel oil tank, while the adjacent art gallery/studio does not contain any subterranean areas and is reported to be heated by natural gas supplied by Con-Edison. However, fill ports with no apparent tanks were observed in front of both 603 West 29th Street and 301 Eleventh Avenue. These fill ports may indicate previously abandoned USTs and are considered RECs.

Based on the findings of this Phase I ESA, it does not appear that the RECs identified based on historical site usage or adjacent properties would preclude the potential use of the Subject Property for the NYPD Tow Pound. However, the PB Team recommends that a program of baseline subsurface soil and groundwater sampling be conducted to determine the impact, if any, to the Subject Property's subsurface from historical site usage and/or discharges. The PB Team further recommends that additional investigation of the two fill ports be conducted in order to determine whether one or more USTs are present. The PB Team recommends initially performing a non-invasive investigation utilizing ground penetrating radar to determine the presence or absence of the suspected USTs. In the event that previously abandoned USTs are identified, the PB Team would recommend that permanent closure activities be performed in compliance with federal, state and local regulations.

EXECUTIVE SUMMARY

At the request of the City of New York (the City), the Parsons Brinckerhoff (PB) Team conducted a Phase I Environmental Site Assessment (ESA) of the property located at 309 Eleventh Avenue, New York, New York (Block 675, Lot 36 – hereafter referred to as the “Subject Property”). The purpose of this ESA is to identify, to the extent feasible, the presence or likely presence of hazardous substances or petroleum products on or near the Subject Property.

The main objective of the Phase I ESA was to identify the presence or likely presence, use, or release on the Subject Property of hazardous substances or petroleum products which are defined in the American Society of Testing and Materials (ASTM) Standard Practice E 1527-00 as *recognized environmental conditions (RECs)*. In addition, other environmental issues and conditions that, in the opinion of the *environmental professional* conducting the assessment, would not be considered RECs are identified in this assessment. These may include *historical RECs* or *de minimis* conditions.

The Phase I ESA included a review of regulatory agency databases, previous reports and historical documents; and visual observations of the Subject Property and adjoining properties.

The City has requested that this assessment be conducted for purposes of environmental due diligence in order to qualify for the innocent landowner defense to CERCLA liability. As part of the proposed No. 7 Subway Extension – Hudson Yards Rezoning and Development Program, the Subject Property is intended to be used as part of the site of both the New York City Police Department's (NYPD) Tow Pound and a New York City Department of Sanitation (NYCDOS) facility, both of which are potentially being relocated to Block 675 (between 29th and 30th Streets and Eleventh and Twelfth Avenues). This Phase I ESA is intended to identify conditions that may have the potential to preclude use of the subject property as the site for this relocation.

The Subject Property consists of an approximately 5,000-square foot lot located on the southwest corner of the intersection of Eleventh Avenue and 30th Street in an area that is primarily characterized by commercial and arts-related uses.

Based on a review of Sanborn Fire Insurance Maps and City agency records, numerous historical uses were identified on the Subject Property and adjoining properties that are considered RECs. On-site historical land use related RECs include a lumber yard and a gasoline station including a maintenance/repair facility with noted underground storage tanks (USTs) and hydraulic lifts. Off-site historical land use RECs include a rail yard, lumber yard, an iron works, a smelting and refining works and a woodworking and scenery manufacturing facility.

A review of the regulatory agency databases identified eleven New York Spills/Leaking Underground Storage Tanks (NY Spills/LTANKS) cases were identified within a half-mile radius of the Subject Property. Two of these spills are considered RECs; one of which occurred on the Subject Property. The second spill considered a REC occurred within 200 feet of the Subject Property at the substation on West 29th Street. The Subject Property is also listed on the Resource Conservation and Recovery Information System

Generators/Transporters (RCRIS Gen/Trans) and the Petroleum Bulk Storage (PBS)/Chemical Bulk Storage (CBS) databases.

During the site interview, the owner's representative stated that the Subject Property had been utilized as a gasoline station with a maintenance/repair facility since before the current owners assumed ownership in approximately 1970. He stated that while the Subject Property had been utilized as a gasoline station for a significant period of time, he was unaware of any issues with regard to the environmental condition of the site or the status of the on-site USTs.

The Subject Property was completely covered with either asphalt or the on-site building at the time of inspection, and therefore it was not possible to visually assess the general condition of site soils. At the time of inspection, the Subject Property was reported to contain six USTs and two subsurface hydraulic lifts. The Subject Property also contained a small Mobil Mart store at the time of inspection. Since the Subject Property has been identified with subsurface contamination (it's listed on the active NY Spills/LTANKS database), and because the Subject Property has been identified as containing USTs for at least 70 years, the entire subsurface portion of the property is considered a REC.

Based on the findings of this Phase I ESA, it does not appear that the RECs identified would preclude the potential use of the Subject Property for the NYPD Tow Pound and NYCDOS facility; however, the PB Team recommends that a program of baseline subsurface sampling and laboratory analysis be undertaken to determine to what degree releases associated with the on-site USTs and historical land uses of the Subject Property have impacted soil and/or groundwater at the Subject Property.

EXECUTIVE SUMMARY

At the request of the City of New York (the City), the Parsons Brinckerhoff (PB) Team conducted a Phase I Environmental Site Assessment (ESA) of the property located at 400 11th Avenue, New York, New York (Block 706, Lot 1 – hereafter referred to as the “Subject Property”). The purpose of this ESA is to identify, to the extent feasible, the presence or likely presence of hazardous substances or petroleum products on or near the Subject Property.

These hazardous substances and petroleum products are defined in the American Society of Testing and Materials (ASTM) Standard Practice E 1527-00 as *recognized environmental conditions (RECs)*. In addition, other environmental issues and conditions not considered to be RECs are identified in this assessment. These include *historical RECs* or *de minimis* conditions.

The Phase I ESA includes a review of regulatory agency databases and historical maps; as well as visual observations of the Subject Property and adjoining properties.

The City has requested that this assessment be conducted for purposes of environmental due diligence in order to qualify for the innocent landowner defense to CERCLA liability. In addition, the assessment is intended to identify conditions that have the potential to impact the use of the Subject Property as the location of a subway station entrance for the No. 7 Subway Extension as part of the Hudson Yards Rezoning and Development Program.

The Subject Property is located at the northeast corner of the intersection of 34th Street and 11th Avenue, in an area that is primarily characterized by commercial and residential use. Review of Historic Sanborn Fire Insurance Maps identified RECs associated with the historical uses of the Subject Property and adjoining properties. The RECs at the Subject Property include: an unknown type of factory; a blacksmith; a welding facility; a garage with gasoline tanks and a motor freight station. At adjoining properties the RECs included: factories; a foundry; machine shops; a garage with gasoline underground storage tanks (USTs); a motor freight station and the Federal Express facility with fuel oil and gasoline tanks.

Review of regulatory agency databases identified four facilities with active New York Spills/Leaking Underground Storage Tanks (NY Spills/LTANKS) cases that are considered RECs. Two of the four spills have the same address as facilities listed in the Resource Conservation and Recovery Information System Generators/Transporters (RCRIS Gen/Trans) database.

Access to the Subject Property was not permitted; therefore, the property was assessed from the sidewalk only. This modified site inspection revealed evidence of two, 2,900-gallon capacity tanks containing unleaded gasoline. Active fill ports and vent pipes were not identified; however, on the southern facade of the building were two signs each indicating a tank as described above. In addition to these signs were four metal rings observed in the sidewalk; they appear have been concreted over and could be indicative of former fill port locations. Because access to the Subject Property was not permitted, whether the tanks are USTs or ASTs could not be determined from the modified site

visit. Since the database review did not reveal any registration or closure information for tanks of this capacity, this finding is considered a REC as it appears as though the tanks are not in compliance with the appropriate NYSDEC regulations; which require proper registration and closure documentation.

Based on a previous Phase I ESA performed by the PB Team, the building or area 300 feet upgradient of the Subject Property is considered a REC. The facility at this location (527 West 34th Street) reportedly removed a leaking UST and closure documentation does not appear to be available. It cannot be determined if this tank was closed in accordance with the applicable NYSDEC regulations; the size, contents, presence and general house keeping practices of the tank(s) cannot be observed or identified. If there are subsurface impacts at this location due to the former UST, it is possible that the subsurface of the Subject Property could be impacted based on its proximity and downgradient location from the 527 West 34th Street facility.

Correspondence from the United States Environmental Protection Agency (USEPA) indicated that a property located mid-block (527 West 34th Street) is a small-quantity generator facility permitted under the federal Resource Conservation and Recovery Act. No violations or releases associated with this facility have been reported.

Based on the findings of this Phase I ESA, it does not appear that the RECs identified would preclude use of the Subject Property as the location of a subway station entrance; however, the PB Team recommends that a program of subsurface sampling and laboratory analysis be undertaken to determine if releases associated with the historical land uses, apparent unregistered gasoline tanks at the Subject Property, reported leaking UST(s) on an upgradient property and four open NY Spills/LTANKS cases, have impacted soil and/or groundwater at the Subject Property, specifically in areas where construction activities are proposed.

EXECUTIVE SUMMARY

At the request of the City of New York (the City), the Parsons Brinckerhoff (PB) Team conducted a Phase I Environmental Site Assessment (ESA) of the property located at 528 West 34th Street, New York, New York (Block 705, Lot 54 – hereafter referred to as the “Subject Property”). The purpose of this ESA is to identify, to the extent feasible, the presence or likely presence of hazardous substances or petroleum products on or near the Subject Property.

These hazardous substances and petroleum products are defined in the American Society of Testing and Materials (ASTM) Standard Practice E 1527-00 as *recognized environmental conditions (RECs)*. In addition, other environmental issues and conditions not considered to be RECs are identified in this assessment. These include *historical RECs* or *de minimis* conditions.

The Phase I ESA includes a review of regulatory agency databases and historical maps; as well as visual observations of the Subject Property and adjoining properties.

The City has requested that this assessment be conducted for purposes of environmental due diligence in order to qualify for the innocent landowner defense to CERCLA liability. In addition, the assessment is intended to identify conditions that would have the potential to impact the use of the Subject Property as part of the Midblock Park and Boulevard System proposed under the No. 7 Subway Extension – Hudson Yards Rezoning and Development Program.

The Subject Property consists of an approximately 50,000-square foot lot located approximately 500 feet west of Eleventh Avenue, on the south side West 34th Street, in an area that is primarily characterized by commercial and residential land use. The Subject Property has historically been used as a foundry, a rail freight station, and a United States Postal Service facility and fueling station. The existing site building was reported to have been constructed at some point in the mid 1920's.

Based on a review of Sanborn Fire Insurance Maps and City agency records, numerous historical uses were identified on the Subject Property and adjoining properties that are considered RECs. On-site historical use RECs includes a foundry, railroad freight station, and fuelling station for postal service vehicles. Off-site historical use RECs include railroad yards, a refinery operation, an electrical generation facility, and a coal yard.

A total of 30 New York Spills/Leaking Underground Storage Tanks (NY Spills/LTANKS) cases were identified within a half-mile radius of the Subject Property, including the Subject Property, however, seven were located within a 0.125-mile radius of the Subject Property that are either crossgradient or upgradient, and are therefore considered to be RECs. Five were cross-listed on the RCRIS Generators/Transporters. Additionally, the Subject Property is identified on the NY SPILLS/LTANK database as previously had four 10,000 gallon UST's, one of which is reported to have had a significant discharge/rupture that resulted in the detection of soil and groundwater contamination.

During the site inspection and interview, a Federal Express representative (current property tenant) indicated that the existing building had undergone a major renovation in

the mid 1990's, at which time the majority of asbestos containing building materials (ACM) were reportedly removed. Additionally, the site inspection revealed three above ground storage tanks (ASTs) that are currently utilized on the property for the storage of waste oil and fluids discharged from an on-site oil/water separator.

The Subject Property was completely covered by the on-site building. Due to the site's historical usage as a foundry and railroad freight station, as well as current and previous petroleum storage activities, the subsurface soils beneath the Subject Property are considered a REC.

Based on the findings of this Phase I ESA, it does not appear that the RECs identified would preclude use of the Subject Property as part of the proposed Midblock Park and Boulevard System; however, the PB Team recommends that a program of baseline subsurface sampling and laboratory analysis be undertaken to determine if releases associated with the on-site AST's, oil/water separator and historical land uses of the Subject Property have impacted soil and/or groundwater at the Subject Property.

As part of the subsurface soil sampling, soil borings should be advanced at the Subject Property. The subsurface soil sampling should be performed to: characterize the physical and chemical characteristics of fill material within the Subject Property; help to ensure adequate community and worker health and safety, and, evaluate handling, management and disposal requirements of excavated soil.

The PB Team recommends obtaining a minimum of two soil samples at the Subject Property, one sample from the area adjacent to the former UST's, and the other sample in area of the AST's and oil/water separator. The soils can be composited from the lengths of each of the soil columns and biased toward areas of obvious contamination. Soil samples should be analyzed for the Priority Pollutant List compounds (PP+40), Resource Conservation and Recovery Act (RCRA) Waste Characteristics (i.e., toxicity, reactivity, corrosivity and flammability). Additionally, soil samples will be analyzed for Spill Technology and Remediation Series (STARS) volatile organic compounds (VOCs) and semi-volatile organic compounds (SVOCs).

Migration of off-site releases may have impacted groundwater at the Subject Property. Additionally, characteristics of the groundwater at and in the vicinity of the Subject Property may impact for dewatering activities, and treatment and disposal options if determined necessary by the project design. The PB Team recommends the collection of a minimum of one groundwater sample and analysis for New York City Department of Environmental Protection (NYCDEP) sewer discharge requirements and New York State Department of Environmental Conservation (NYSDEC) State Pollution Discharge Elimination System (SPDES) requirements.

Dewatering discharge options, if necessary, include, discharge to a New York City sewer, discharge to a surface water body, infiltration/recharge to groundwater, and off-site disposal. Permission to discharge to a New York City sewer must be obtained from the NYCDEP and meet the NYCDEP discharge limits. Groundwater to be discharged to a surface water body must meet NYSDEC SPDES discharge requirements. Water to be discharged to groundwater through infiltration/recharge must meet the Class GA groundwater discharge limits. Groundwater for off-site disposal may be temporarily stored on-site in an above-ground storage tank until it is transported and disposed at an authorized wastewater treatment plant or licensed disposal facility.

EXECUTIVE SUMMARY

At the request of the City of New York (the City), the Parsons Brinckerhoff (PB) Team conducted a Phase I Environmental Site Assessment (ESA) of the property located at 524 West 34th Street, New York, New York (Block 705 Lot 53), and is hereafter referred to as the “Subject Property.” The purpose of this ESA is to identify, to the extent feasible, the presence or likely presence of hazardous substances or petroleum products on or near the Subject Property.

The main objective of the Phase I ESA was to identify the presence or likely presence, use, or release on the Subject Property of hazardous substances or petroleum products which are defined in the American Society of Testing and Materials (ASTM) Standard Practice E 1527-00 as *recognized environmental conditions (RECs)*. In addition, other environmental issues and conditions that, in the opinion of the *environmental professional* conducting the assessment, would not be considered RECs are identified in this assessment. These may include *historical RECs* or *de minimis* conditions. The Phase I ESA also includes a preliminary evaluation of specific potential environmental issues or conditions that are, according to ASTM E 1527-00, considered non-scope considerations. These issues include radon, asbestos-containing materials (ACM), lead-based paint (LBP) and polychlorinated biphenyls (PCBs). The Phase I ESA included a review of regulatory agency databases, previous reports and historical documents; and visual observations of the Subject Property and adjoining properties.

The City has requested that this assessment be conducted for purposes of environmental due diligence in order to qualify for the innocent landowner defense to CERCLA liability. In addition, the assessment is intended to identify conditions that would have the potential to impact the use of the Subject Property as part of the proposed Midblock Park and Boulevard System that is being proposed in association with the No. 7 Subway Extension.

The Subject Property consists of an approximately 5,000-square foot lot located approximately 400 feet east of Eleventh Avenue, on the south side West 34th Street, in an area that is primarily characterized by commercial and residential land use. The Subject Property has historically been used as a paper factory, and for unspecified commercial usage. The existing site building was reported to have been constructed at some point in the early 1920's.

Based on a review of Sanborn Fire Insurance Maps and City agency records, no RECs were identified on the Subject Property, however, the adjoining Federal Express facility located at 528 West 34th Street was identified as containing several RECs. Off-site historical use RECs include railroad yards, foundry, refinery operation, electrical generation facility, and coal yard.

A total of 30 New York Spills/Leaking Underground Storage Tanks (NY Spills/LTANKS) cases were identified within a half-mile radius of the Subject Property, seven were located within a 0.125-mile radius of the Subject Property that are either crossgradient or upgradient, and are therefore considered to be RECs. Five were cross-listed on the RCRIS Generators/Transporters. The Subject Property was not identified on any of the searched databases.

During the site inspection and interview, the Tentation Caterers (current property tenant) indicated that they had performed a complete renovation (including removing all walls, floors, sub-floors, plumbing and electrical) when they assumed the building lease on March 1, 2000. The site inspection did not reveal any areas of the existing building that would be RECs, with the exception of the elevator shaft, which was not accessible at the time of inspection.

The Subject Site was completely covered by the on-site building. Due to the sites historical usage as a paper factory and unspecified commercial uses, as well as current and previous petroleum storage activities at the adjacent building, the subsurface soils beneath the Subject Property are considered a REC.

Based on the findings of this Phase I ESA, it does not appear that the RECs identified would preclude use of the Subject Property for inclusion as part of the proposed Midblock Park and Boulevard System. However, the PB Team recommends that a program of subsurface sampling and laboratory analysis be undertaken to determine if releases associated with the historical land uses both on the property and in the surrounding area and the documented NY Spills/LTANK cases have impacted soil and/or groundwater at the Subject Property; specifically in areas where construction activities are proposed.

EXECUTIVE SUMMARY

At the request of the City of New York (the City), the Parsons Brinckerhoff (PB) Team conducted a Phase I Environmental Site Assessment (ESA) of the property located at 553 West 33rd Street, New York, New York (Block 705 Lot 5), and is hereafter referred to as the “Subject Property.” The purpose of this ESA is to identify, to the extent feasible, the presence or likely presence of hazardous substances or petroleum products on or near the Subject Property.

These hazardous substances and petroleum products are defined in the American Society of Testing and Materials (ASTM) Standard Practice E 1527-00 as *recognized environmental conditions (RECs)*. In addition, other environmental issues and conditions that, in the opinion of the *environmental professional* conducting the assessment, would not be considered *RECs* are identified in this assessment. These may include *historical RECs* or *de minimis* conditions.

The Phase I ESA also includes a preliminary evaluation of specific potential environmental issues or conditions that are, according to ASTM E 1527-00, considered non-scope considerations. These issues include radon, asbestos-containing materials, lead-based paint, and polychlorinated biphenyls. The Phase I ESA included a review of regulatory agency databases and historical maps, and visual observations of the Subject Property and adjoining properties.

The City has requested that this assessment be conducted for purposes of environmental due diligence in order to qualify for the innocent landowner defense to CERCLA liability. In addition, the assessment is intended to identify conditions that have the potential to impact the use of the Subject Property as the location for a subway station entrance/exit for the No. 7 Subway Extension as part of the Hudson Yards Rezoning and Development Program.

The Subject Property consists of an approximately 7,200-square foot lot located sixty feet east of Eleventh Avenue on the north side of West 33rd Street, in an area that is primarily characterized by commercial land use. The Subject Property has historically been used as an iron foundry, a machine shop, an unknown type of factory and a general storage warehouse.

Based on a review of Sanborn Fire Insurance Maps, historical uses of the Subject Property considered RECs include: an iron foundry; a machine shop and an unknown type of factory. Those identified in the vicinity of the Subject Property include: an unknown type of factory, an iron works, a railroad yard and terminal, a machinery warehouse and a U.S. Postal Service garage with gasoline underground storage tanks.

Review of regulatory agency databases identified two facilities with active New York Spills/Leaking Underground Storage Tanks (NY Spills/LTANKS) cases that are considered RECs; both appear to be associated with the same facility listed in the Resource Conservation and Recovery Information System Generators/Transporters (RCRIS Gen/Trans) database.

During the site inspection for the property adjacent to the East (the Federal Express Facility) the PB Team learned that although not identified in the regulatory database

review, this facility had several discharges of petroleum; as a result, soil and groundwater samples were collected. Evidence of these prior investigations was not visible during the time of the site inspection and neither were copies of environmental investigation reports provided for review. Based on this information the area is considered an REC as the environmental integrity of the subsurface material at the Subject Property could have been impacted from these petroleum discharges.

Access to the Subject Property was not permitted; therefore, the property was assessed from the sidewalk only. This modified site inspection (due to lack of access onto the Subject Property) did not reveal any RECs. A fill port was identified protruding from the building's facade, but there was no staining observed around the fill port. The building on the Subject Property is brick and includes five-stories; all apparently used for commercial purposes.

Based on the findings of this Phase I ESA, it does not appear that the RECs identified would preclude use of the Subject Property a subway station entrance/exit as part of the No. 7 Subway Extension; however, the PB Team recommends that a program of subsurface sampling and laboratory analysis be undertaken to determine if releases associated with the historical land uses, two open NY Spills/LTANKS cases and reported petroleum releases at the adjacent property have impacted soil and/or groundwater at the Subject Property, specifically in areas where construction activities are proposed.

EXECUTIVE SUMMARY

At the request of the City of New York (the City), the Parsons Brinckerhoff (PB) Team conducted a Phase I Environmental Site Assessment (ESA) of the property located at 380 Eleventh Avenue New York, New York (Block 705 Lot 1), and is hereafter referred to as the “Subject Property.” The purpose of this ESA is to identify, to the extent feasible, the presence or likely presence of hazardous substances or petroleum products on or near the Subject Property.

These hazardous substances and petroleum products are defined in the American Society of Testing and Materials (ASTM) Standard Practice E 1527-00 as *recognized environmental conditions (RECs)*. In addition, other environmental issues and conditions that, in the opinion of the *environmental professional* conducting the assessment, would not be considered *RECs* are identified in this assessment. These may include *historical RECs* or *de minimis* conditions.

The Phase I ESA also includes a preliminary evaluation of specific potential environmental issues or conditions that are, according to ASTM E 1527-00, considered non-scope considerations. These issues include radon, asbestos-containing materials (ACM), lead-based paint (LBP) and polychlorinated biphenyls (PCBs). The Phase I ESA included a review of regulatory agency databases and historical maps, and visual observations of the Subject Property and adjoining properties.

The City requested that this assessment be conducted for purposes of environmental due diligence in order to qualify for the innocent landowner defense to CERCLA liability. In addition, the assessment is intended to identify conditions that have the potential to impact the use of the Subject Property as the location for a subway station entrance/exit as part of the No. 7 Subway Line Extension Project.

The Subject Property consists of an approximately 6,000-square foot lot located at the northeast corner of the intersection of Eleventh Avenue and 33rd Street, in an area that is primarily characterized by commercial use. Subject Property has historically been used as a stable, a flour warehouse, a machinery warehouse and a motor freight station, which is typically a facility used for the loading and unloading of goods to and from trucks.

Based on a review of Sanborn Fire Insurance Maps, historical uses of the Subject Property considered RECs include: a machinery warehouse and a motor freight station. Those identified in the vicinity of the Subject Property include an iron foundry and a rail yard and terminal.

Review of regulatory agency databases identified two facilities with active New York Spills/Leaking Underground Storage Tanks (NY Spills/LTANKS) cases that are considered RECs; both appear to be associated with the same facility listed in the Resource Conservation and Recovery Information System Generators/Transporters (RCRIS Gen/Trans) database.

Access to the Subject Property was not permitted; therefore, the property was assessed from the sidewalk. The modified site inspection did not reveal any RECs. There were

no fill ports or vent pipes observed protruding from the building or in the sidewalk outside the building. The building on the Subject Property has a concrete facade and is one-story; it appears to be part of the night club, Copacabana that is adjacent to the north.

Based on the findings of this Phase I ESA, it does not appear that the RECs identified would preclude use of the Subject Property as a subway station entrance/exit as part of the No. 7 Subway Line Extension Project; however, the PB Team recommends that a program of subsurface sampling and laboratory analysis be undertaken to determine if releases associated with the historical land uses and two open NY Spills/LTANKS cases have impacted soil and/or groundwater at the Subject Property, specifically in areas where construction activities are proposed.

EXECUTIVE SUMMARY

At the request of the City of New York (the City), the Parsons Brinckerhoff (PB) Team conducted a Phase I Environmental Site Assessment (ESA) of the property located at 554 West 26th Street (Block 697, Lot 60 – hereafter referred to as the “Subject Property”). The Subject Property consists of an approximately 9,890-square foot surface parking lot located on the south side of West 26th Street, just east of the intersection of Eleventh Avenue, in an area that is primarily characterized by commercial and arts-related uses. The Subject Property has historically been used as an iron works, a junkyard, and a building materials concern. It is currently a commercial public parking lot.

The main objective of the Phase I ESA was to identify the presence or likely presence, use, or release on the Subject Property of hazardous substances or petroleum products which are defined in the American Society of Testing and Materials (ASTM) Standard Practice E 1527-00 as *recognized environmental conditions*. In addition, other environmental issues and conditions that, in the opinion of the *environmental professional* conducting the assessment, would not be considered *recognized environmental conditions* are identified in this assessment. These may include *historical recognized environmental conditions* or *de minimis* conditions. The Phase I ESA also includes a preliminary evaluation of specific potential environmental issues or conditions that are, according to ASTM E 1527-00, considered non-scope considerations. These issues include radon, asbestos-containing materials (ACM) and polychlorinated biphenyls (PCBs). The Phase I ESA included a review of environmental agency databases and historical documents; visual observation of the Subject Property and adjoining properties; and interviews with selected Subject Property representatives.

The City has requested that this assessment be conducted for purposes of environmental due diligence in order to qualify for the innocent landowner defense to CERCLA liability. In addition, the assessment is intended to identify conditions that would have the potential to impact the use of the Subject Property as part of the launch area for tunnel boring machinery (TBM) associated with the proposed extension of the No. 7 Subway.

Based on a review of Sanborn Fire Insurance Maps and City agency records, numerous historical uses were identified on the Subject Property and adjoining properties that can be considered Recognized Environmental Conditions (RECs) as defined by ASTM. These uses include iron foundries, oil storage facilities and a charcoal works.

Based on a review of historical topographic maps, aerial photographs and Sanborn Fire Insurance Maps, the Subject Property has historically been used as an ironworks, a junkyard and a building materials concern. It is currently a public surface parking lot.

There are 10 off-site facilities located within 200 feet of the Subject Property that are open LTanks/NY Spills cases. Because of each affected facility’s topographic gradient relative to the Subject Property, the size of the spill or leak, and whether or not it was contained, six of these facilities are considered to be RECs. No USTs or ASTs were identified at the Subject Property.

EXECUTIVE SUMMARY

At the request of the City of New York (the City), the Parsons Brinckerhoff (PB) Team conducted a Phase I Environmental Site Assessment (ESA) of the property located at 220 Eleventh Avenue (Block 697, Lot 1 – hereafter referred to as the “Subject Property”). The purpose of this ESA is to identify, to the extent feasible, the presence or likely presence of hazardous substances or petroleum products on or near the Subject Property.

These hazardous substances and petroleum products are defined in the American Society of Testing and Materials (ASTM) Standard Practice E 1527-00 as *recognized environmental conditions (RECs)*. In addition, other environmental issues and conditions not considered to be RECs are identified in this assessment. These include *historical RECs* or *de minimis* conditions.

The Phase I ESA includes a review of regulatory agency databases and historical maps; as well as visual observations of the Subject Property and adjoining properties.

The City has requested that this assessment be conducted for purposes of environmental due diligence in order to qualify for the innocent landowner defense to CERCLA liability. In addition, the assessment is intended to identify conditions that would have the potential to impact the use of the Subject Property as part of the launch area for tunnel boring machinery (TBM) associated with the proposed extension of the No. 7 Subway.

Based on a review of Sanborn Fire Insurance Maps and City agency records, numerous historical uses were identified on adjoining properties that can be considered RECs as defined by ASTM. These uses include railroad freight yards, junkyards, iron foundries, oil storage facilities, a charcoal works and coal storage yards.

Based on a review of historical topographic maps, aerial photographs and Sanborn Fire Insurance Maps, the Subject Property has historically been used as a lumberyard and is currently a public surface parking lot. The investigation did not identify the presence of RECs associated with historical uses of the Subject Property.

There are 47 off-site facilities located within one-half mile of the Subject Property that are open LTanks/NY Spills cases. Because of each listed facility’s topographic gradient relative to the Subject Property, the size of the spill or leak, and whether or not it was contained, six of these facilities are considered to be RECs. No USTs or ASTs were identified at the Subject Property. Five facilities adjacent to the Subject Property were identified in the state’s Petroleum Bulk Storage Tank and/or Chemical Bulk Storage Tank databases as having USTs, ASTs, or both.

Based on the findings of this Phase I ESA, the identified RECs would not preclude use of the Subject Property as part of the proposed TBM launch site, however, prior to acquisition or development, it is recommended that a program of subsurface sampling and laboratory analysis be performed to determine if releases associated with current and historical land uses have impacted soil and/or groundwater at the Subject Property, specifically in areas where construction activities are proposed.

EXECUTIVE SUMMARY

At the request of the City of New York (the City), the Parsons Brinckerhoff (PB) Team conducted a Phase I Environmental Site Assessment (ESA) of the properties located at 604 and 606 West 30th Street, New York, New York (Block 675, Lots 38 and 39 – hereafter referred to as the “Subject Property”). The purpose of this ESA is to identify, to the extent feasible, the presence or likely presence of hazardous substances or petroleum products on or near the Subject Property.

These hazardous substances and petroleum products are defined in the American Society of Testing and Materials (ASTM) Standard Practice E 1527-00 as *recognized environmental conditions (RECs)*. In addition, other environmental issues and conditions not considered to be RECs are identified in this assessment. These include *historical RECs* or *de minimis* conditions.

The Phase I ESA includes a review of regulatory agency databases and historical maps; as well as visual observations of the Subject Property and adjoining properties.

The City has requested that this assessment be conducted for purposes of environmental due diligence in order to qualify for the innocent landowner defense to CERCLA liability. In addition, the assessment is intended to identify conditions that would have the potential to impact the use of the Subject Property as the proposed relocation site for the New York City Police Department’s (NYPD) Tow Pound. The existing Tow Pound may be relocated in association with the proposed No. 7 Subway Extension – Hudson Yards Rezoning and Development Program.

The Subject Property consists of two adjoining lots, with a total area of approximately 16,000-square feet, located on the north side of West 30th Street approximately 100 feet west of Eleventh Avenue, in an area that is primarily characterized by commercial and arts-related uses. The Subject Property has historically been used as a lumber yard, a smelting and refining facility, an asbestos construction company, an express depot, and a supply company.

Based on a review of Sanborn Fire Insurance Maps and City agency records, numerous historical uses were identified on the Subject Property and adjoining properties that are considered RECs. On-site historical use RECs include a lumber yard, a soap factory, a coal yard, part of a smelting and refining facility, and a vehicle maintenance facility. Off-site historical use RECs include railroad yards, a gasoline station, and a smelting and refining facility.

Twenty-four New York Spills/Leaking Underground Storage Tanks (NY Spills/LTANKS) cases were identified within a half-mile radius of the Subject Property, of which 12 are located within a one-eighth mile radius of the Subject Property, and are therefore considered to be RECs. Two of the 24 spills were cross-listed on the Resource Conservation and Recovery Information System Generators/Transporters (RCRIS Gen/Trans) database and the Petroleum Bulk Storage (PBS)/Chemical Bulk Storage (CBS) database.

During the site interview, the New York City Department of Sanitation (NYCDOS) representative stated that the portion of the Subject Property utilized by the NYCDOS

contains two previously abandoned USTs, which are considered RECs. It should be noted that Lot 38 (604 West 30th Street), currently utilized as an independent auto body repair facility, was not inspected due to access not being granted by the property owner (ISP Properties) at the time of inspection.

The Subject Property was completely covered with the on-site buildings at the time of inspection and it was not possible to visually assess the general condition of site soils. The Subject Property appeared to be in good overall condition at the time of the site inspection. The building located at 604 West 30th Street is a one-story concrete block structure that appeared to contain a large volume of auto body repair equipment. The property located at 606 West 30th Street is a two-story brick and wood frame facility that is currently utilized by the NYCDOS. The facility was observed to contain four 275-gallon above-ground storage tanks that lacked secondary containment. A large concrete patched trench was observed in the front of the facility that could not be identified by the NYCDOS representative. Due to its potential to have historically been attached to a floor drain it is considered to be an REC.

Based on the findings of this Phase I ESA, it does not appear that the RECs identified based on historical site usage or adjacent properties would preclude the potential use of the Subject Property for the NYPD Tow Pound; however, the PB Team recommends that a program of baseline subsurface sampling and laboratory analysis be undertaken to determine if releases associated with the on-site USTs and historical land uses of the Subject Property has impacted soil and/or groundwater at the site.

EXECUTIVE SUMMARY

At the request of the City of New York (the City), the Parsons Brinckerhoff (PB) Team conducted a Phase I Environmental Site Assessment (ESA) of the property located at 539 West 34th Street, New York, New York (Block 706 Lot 10), and is hereafter referred to as the “Subject Property.” The purpose of this ESA is to identify, to the extent feasible, the presence or likely presence of hazardous substances or petroleum products on or near the Subject Property.

These hazardous substances and petroleum products are defined in the American Society of Testing and Materials (ASTM) Standard Practice E 1527-00 as *recognized environmental conditions (RECs)*. In addition, other environmental issues and conditions not considered to be *RECs* are identified in this assessment. These include *historical RECs* or *de minimis* conditions.

The Phase I ESA also includes a preliminary evaluation of specific potential environmental issues or conditions that are, according to ASTM E 1527-00, considered non-scope considerations. These issues include radon, asbestos-containing materials (ACM), lead-based paint (LBP), and polychlorinated biphenyls (PCBs). The Phase I ESA includes a review of regulatory agency databases and historical maps, and visual observations of the Subject Property and adjoining properties.

The City has requested that this assessment be conducted for purposes of environmental due diligence in order to qualify for the innocent landowner defense to CERCLA liability. In addition, the assessment is intended to identify conditions that have the potential to impact the use of the Subject Property as part of the Midblock Park and Boulevard System proposed under the Hudson Yards Rezoning and Development Program.

The Subject Property is located approximately 300 feet east of Eleventh Avenue, on the north side of West 34th Street extending northward to West 35th Street, in an area that is primarily characterized by residential and commercial use. Review of Historic Sanborn Fire Insurance Maps identified RECs associated with historical uses of the properties in the vicinity of the Subject Property and the use of the Subject Property as a paper-imaging factory. RECs identified in the vicinity of the Subject Property include an unknown type of factory, garages with gasoline tanks, foundries, machine shops, a boiler shop, a charcoal storage facility, an iron warehouse and works, a motor freight station, the N.Y. Telephone Maintenance Garage and the US Post Office Garage with gasoline tanks.

Review of regulatory agency databases identified four facilities with active New York Spills/Leaking Underground Storage Tanks (NY Spills/LTANKS) cases that are considered RECs. Two of the four spills have the same address as facilities listed in the Resource Conservation and Recovery Information System Generators/Transporters (RCRIS Gen/Trans) database.

No evidence of contamination was observed on the Subject Property, and no RECs were identified during the site inspection.

Based on a previous Phase I ESA performed by the PB Team, the building or area located at 527 West 34th Street is considered a REC. The facility at this location reportedly removed a leaking UST and closure documentation does not appear to be available. It cannot be determined if this tank was closed in accordance with the applicable NYSDEC regulations; the size, contents, presence and general housekeeping practices of the tank(s) cannot be observed or identified. If there are subsurface impacts at this location due to the former UST, it is possible that the subsurface of the Subject Property could be impacted based on its proximity and downgradient location from the 527 West 34th Street facility.

Based on the findings of this Phase I ESA, it does not appear that the RECs identified would preclude use of the Subject Property for the Midblock Park and Boulevard System; however, the PB Team recommends that a program of subsurface sampling and laboratory analysis be undertaken to determine if releases associated with the observed staining around a fill port, historical land uses, the former UST and four open NY Spills/LTANKS cases have impacted soil and/or groundwater at the Subject Property; specifically in areas where construction activities are proposed.

EXECUTIVE SUMMARY

At the request of New York City Department of City Planning (NYCDCP), the Parsons Brinckerhoff (PB) Team conducted a Phase I Environmental Site Assessment (ESA) of the property located at 533 West 34th Street, New York, New York (hereafter referred to as the “Subject Property”). The purpose of this ESA is to identify, to the extent feasible, the presence or likely presence of hazardous substances or petroleum products on or near the Subject Property.

These hazardous substances and petroleum products are defined in the American Society of Testing and Materials (ASTM) Standard Practice E 1527-00 as *recognized environmental conditions (RECs)*. In addition, other environmental issues and conditions not considered to be *RECs* are identified in this assessment. These include *historical RECs* or *de minimis* conditions.

The Phase I ESA also includes a preliminary evaluation of specific potential environmental issues or conditions that are, according to ASTM E 1527-00, considered non-scope considerations. These issues include radon, asbestos-containing materials (ACM), lead-based paint (LBP), and polychlorinated biphenyls (PCBs). The Phase I ESA includes a review of regulatory agency databases and historical maps, and visual observations of the Subject Property and adjoining properties.

The NYCDCP has requested that this assessment be conducted for purposes of environmental due diligence in order to qualify for the innocent landowner defense to CERCLA liability. In addition, the assessment is intended to identify conditions that have the potential to impact the use of the Subject Property as part of the Mid-Block Boulevard/Park proposed under the Hudson Yards Rezoning and Development Program.

The Subject Property is located approximately 300 feet east of Eleventh Avenue, on the north side of West 34th Street, in an area that is primarily characterized by commercial use. Review of Historic Sanborn Fire Insurance Maps identified one REC on the Subject Property associated with its historical use and many on adjoining properties. The Subject Property’s use as an unknown type of factory was identified as an REC. Those identified at adjoining properties include: numerous foundries and factories; iron works; an electric works; two machine shops; a furniture store with tanks; a motor freight station; and a US Post Office with gas and fuel oil tanks.

Review of regulatory agency databases identified four facilities with active New York Spills/Leaking Underground Storage Tanks (NY Spills/LTANKS) cases that are considered RECs. Two of the four spills have the same address as facilities listed in the Resource Conservation and Recovery Information System Generators/Transporters (RCRIS Gen/Trans) database; one of which is also listed on the Petroleum Bulk Storage (PBS) database.

Correspondence from the United States Environmental Protection Agency (USEPA) confirmed the generation of hazardous waste at the property adjacent to the east of the Subject Property.

Based on the findings of this Phase I ESA, the identified RECs would not preclude use of the Subject Property for the Mid-Block Boulevard/Park; however, prior to acquisition or development, it is recommended that a program of subsurface sampling and laboratory analysis be performed to determine if releases associated with the historical land uses and four open NY

Spills/LTANKS cases have impacted soil and/or groundwater at the Subject Property, specifically in areas where construction activities are proposed.

EXECUTIVE SUMMARY

At the request of the City of New York (the City), the Parsons Brinckerhoff (PB) Team conducted a Phase I Environmental Site Assessment (ESA) of the property located at 517 West 35th Street, New York, New York (Block 707, Lot 20 – hereafter referred to as the “Subject Property”). The purpose of this ESA is to identify, to the extent feasible, the presence or likely presence of hazardous substances or petroleum products on or near the Subject Property.

These hazardous substances and petroleum products are defined in the American Society of Testing and Materials (ASTM) Standard Practice E 1527-00 as *recognized environmental conditions (RECs)*. In addition, other environmental issues and conditions not considered to be *RECs* are identified in this assessment. These include *historical RECs* or *de minimis* conditions.

The Phase I ESA also includes a preliminary evaluation of specific potential environmental issues or conditions that are, according to ASTM E 1527-00, considered non-scope considerations. These issues include radon, asbestos-containing materials, lead-based paint, and polychlorinated biphenyls. The Phase I ESA includes a review of regulatory agency databases and historical maps and visual observations of the Subject Property and adjoining properties.

The City has requested that this assessment be conducted for purposes of environmental due diligence in order to qualify for the innocent landowner defense to CERCLA liability. In addition, the assessment is intended to identify conditions that have the potential to impact the use of the Subject Property as part of the Midblock Park and Boulevard System proposed under the No. 7 Subway Extension – Hudson Yards Rezoning and Development Program.

The Subject Property consists of an approximately 19,500-square foot parcel located on the north side of West 35th Street, between Tenth and Eleventh Avenues, in an area that is primarily characterized by commercial uses. Review of historical Sanborn Fire Insurance Maps identified RECs associated with historical uses of the Subject Property and adjoining properties. These RECs include a piano factory at the Subject Property, and an electric company works and garages with gasoline underground storage tanks (USTs) at adjoining properties.

Review of regulatory agency databases identified three facilities with active New York Spills/Leaking Underground Storage Tanks (NY Spills/LTANKS) cases that are considered RECs. Information was obtained from NYSDEC regarding the status of above-ground storage tanks on the Subject Property. According to the NYSDEC records, one 8,000-gallon fuel oil tank and one 5,000-gallon fuel oil tank are located on the Subject Property. Their permit expires May 28, 2008.

The building’s owner, Lynn Magee, indicated that none of the building’s tenants utilize any chemicals or hazardous materials in the course of their business and that the Subject Property has never been the scene of an environmental incident.

Based on the findings of this Phase I ESA, the identified RECs would not preclude use of the Subject Property as part of the Midblock Park and Boulevard System; however, prior to acquisition or development, it is recommended that a program of subsurface

sampling and laboratory analysis be performed to determine if releases associated with the historical land uses and three open NY Spills/LTANKS cases have impacted soil and/or groundwater at the Subject Property, specifically in areas where construction activities are proposed.

EXECUTIVE SUMMARY

At the request of the City of New York (the City), the Parsons Brinckerhoff (PB) Team conducted a Phase I Environmental Site Assessment (ESA) of the property located at 529 West 35th Street, New York, New York (Block 707, Lot 16 – hereafter referred to as the “Subject Property”). The purpose of this ESA is to identify, to the extent feasible, the presence or likely presence of hazardous substances or petroleum products on or near the Subject Property.

These hazardous substances and petroleum products are defined in the American Society of Testing and Materials (ASTM) Standard Practice E 1527-00 as *recognized environmental conditions (RECs)*. In addition, other environmental issues and conditions not considered to be *RECs* are identified in this assessment. These include *historical RECs* or *de minimis* conditions.

The Phase I ESA also includes a preliminary evaluation of specific potential environmental issues or conditions that are, according to ASTM E 1527-00, considered non-scope considerations. These issues include radon, asbestos-containing materials, lead-based paint, and polychlorinated biphenyls. The Phase I ESA includes a review of regulatory agency databases and historical maps and visual observations of the Subject Property and adjoining properties.

The City has requested that this assessment be conducted for purposes of environmental due diligence in order to qualify for the innocent landowner defense to CERCLA liability. In addition, the assessment is intended to identify conditions that have the potential to impact the use of the Subject Property as part of the Midblock Park and Boulevard System proposed under the No. 7 Subway Extension – Hudson Yards Rezoning and Development Program.

The Subject Property consists of an approximately 10,000-square foot parcel located on the north side of West 35th Street, between Tenth and Eleventh Avenues, in an area that is primarily characterized by commercial uses. Review of historical Sanborn Fire Insurance Maps identified RECs associated with historical uses of the Subject Property and adjoining properties. These RECs include a coal yard at the Subject Property, and a piano factory, an electric company works, and garages with gasoline underground storage tanks at adjoining properties.

Review of regulatory agency databases identified three facilities adjacent or in close proximity to the Subject Property with active New York Spills/Leaking Underground Storage Tanks (NY Spills/LTANKS) cases that are considered RECs.

Access to the Subject Property was not granted by the property owner at the time of inspection; therefore only a visual inspection of the site was performed from the sidewalk.

Based on the findings of this Phase I ESA, the identified RECs would not preclude use of the Subject Property as part of the Midblock Park and Boulevard System; however, prior to acquisition or development, it is recommended that a program of subsurface sampling and laboratory analysis be performed to determine if releases associated with the historical land uses and three open NY Spills/LTANKS cases have impacted soil

and/or groundwater at the Subject Property, specifically in areas where construction activities are proposed.

EXECUTIVE SUMMARY

At the request of the City of New York (the City), the Parsons Brinckerhoff (PB) Team conducted a Phase I Environmental Site Assessment (ESA) of the property located at 537 West 35th Street, New York, New York (Block 707, Lot 13 – hereafter referred to as the “Subject Property”). The purpose of this ESA is to identify, to the extent feasible, the presence or likely presence of hazardous substances or petroleum products on or near the Subject Property.

These hazardous substances and petroleum products are defined in the American Society of Testing and Materials (ASTM) Standard Practice E 1527-00 as *recognized environmental conditions (RECs)*. In addition, other environmental issues and conditions not considered to be *RECs* are identified in this assessment. These include *historical RECs* or *de minimis* conditions.

The Phase I ESA also includes a preliminary evaluation of specific potential environmental issues or conditions that are, according to ASTM E 1527-00, considered non-scope considerations. These issues include radon, asbestos-containing materials, lead-based paint, and polychlorinated biphenyls. The Phase I ESA includes a review of regulatory agency databases and historical maps and visual observations of the Subject Property and adjoining properties.

The City has requested that this assessment be conducted for purposes of environmental due diligence in order to qualify for the innocent landowner defense to CERCLA liability. In addition, the assessment is intended to identify conditions that have the potential to impact the use of the Subject Property as part of the Midblock Park and Boulevard System proposed under the No. 7 Subway Extension – Hudson Yards Rezoning and Development Program.

The Subject Property consists of an approximately 7,000-square foot parcel located on the north side of West 35th Street, between Tenth and Eleventh Avenues, in an area that is primarily characterized by commercial uses. Review of historical Sanborn fire insurance maps identified RECs associated with historical uses of the Subject Property and adjoining properties. These RECs include a coal yard at the Subject Property, and a piano factory, an electric company works, an iron works, and garages with gasoline underground storage tanks at adjoining properties.

Review of regulatory agency databases identified three facilities adjacent or in close proximity to the Subject Property with active New York Spills/Leaking Underground Storage Tanks (NY Spills/LTANKS) cases that are considered RECs.

Access to the Subject Property was not granted by the property owner at the time of inspection; therefore only a visual inspection of the site was performed from the sidewalk.

Based on the findings of this Phase I ESA, the identified RECs would not preclude use of the Subject Property as part of the Midblock Park and Boulevard System; however, prior to acquisition or development, it is recommended that a program of subsurface sampling and laboratory analysis be performed to determine if releases associated with the historical land uses and three open NY Spills/LTANKS cases have impacted soil

and/or groundwater at the Subject Property, specifically in areas where construction activities are proposed.

EXECUTIVE SUMMARY

At the request of the City of New York (the City), the Parsons Brinckerhoff (PB) Team conducted a Phase I Environmental Site Assessment (ESA) of the property located at 550 West 35th Street, New York, New York (Block 706, Lot 55 – hereafter referred to as the “Subject Property”). The purpose of this ESA is to identify, to the extent feasible, the presence or likely presence of hazardous substances or petroleum products on or near the Subject Property.

These hazardous substances and petroleum products are defined in the American Society of Testing and Materials (ASTM) Standard Practice E 1527-00 as *recognized environmental conditions (RECs)*. In addition, other environmental issues and conditions not considered to be *RECs* are identified in this assessment. These include *historical RECs* or *de minimis* conditions.

The Phase I ESA also includes a preliminary evaluation of specific potential environmental issues or conditions that are, according to ASTM E 1527-00, considered non-scope considerations. These issues include radon, asbestos-containing materials, lead-based paint, and polychlorinated biphenyls. The Phase I ESA includes a review of regulatory agency databases and historical maps, and visual observations of the Subject Property and adjoining properties.

The City has requested that this assessment be conducted for purposes of environmental due diligence in order to qualify for the innocent landowner defense to CERCLA liability. In addition, the assessment is intended to identify conditions that have the potential to impact the use of the Subject Property as part of the Midblock Park and Boulevard System proposed under the No. 7 Subway Extension – Hudson Yards Rezoning and Development Program.

The Subject Property is located approximately 220 feet east of Eleventh Avenue, on the south side of West 35th Street, in an area that is primarily characterized by residential and commercial use. Review of Historic Sanborn Fire Insurance Maps identified RECs associated with the historical uses of the Subject Property and adjoining properties. These RECs include an unknown type of factory, a boiler shop, an iron works, a garage with a 550-gallon gasoline underground storage tank (UST), a motor freight station, a used auto parts facility and a maintenance garage.

Review of regulatory agency databases identified three facilities with active New York Spills/Leaking Underground Storage Tanks (NY Spills/LTANKS) cases that are considered RECs. Two of the three spills have the same address as facilities listed in the Resource Conservation and Recovery Information System Generators/Transporters (RCRIS Gen/Trans) database.

Based on a previous Phase I ESA performed by the PB Team, the building or area located at 527 West 34th Street is considered an REC. The facility at this location reportedly removed a leaking UST and closure documentation does not appear to be available. It cannot be determined if this tank was closed in accordance with the applicable NYSDEC regulations; the size, contents, presence and general housekeeping practices of the tank(s) cannot be observed or identified. If there are subsurface impacts

at this location due to the former UST, it is possible that the subsurface of the Subject Property could be impacted based on its proximity and upgradient/crossgradient location from the 527 West 34th Street facility.

Access to the Subject Property was not granted by the property owner at the time of inspection; therefore only a visual inspection of the site was performed from the sidewalk. During the modified site inspection of the property adjacent to the west, 400 11th Avenue, evidence of two, 2,900-gallon capacity tanks containing unleaded gasoline was identified. Active fill ports and vent pipes were not identified; however, on the southern facade of the building were two signs each indicating a tank as described above. In addition to these signs were four metal rings observed in the sidewalk; they appear have been concreted over and could be indicative of former fill port locations. Whether the tanks are USTs or ASTs could not be determined. Since the database review did not reveal any registration or closure information for tanks of this capacity, this finding has been considered an REC. It appears as though the tanks are not in compliance with the appropriate NYSDEC regulations. If there are subsurface impacts due to leaking tanks or improper closure it is possible that the subsurface of the Subject Property could be impacted based on its proximity to the suspected tanks.

Based on the findings of this Phase I ESA, it does not appear that the RECs identified would preclude use of the Subject Property as part of the Midblock Park and Boulevard System; however, the PB Team recommends that a program of subsurface sampling and laboratory analysis be undertaken to determine if releases associated with the historical land uses, former UST, two open NY Spills/LTANKS cases and lack of registration and/or closure documentation for possible tanks adjacent to the Subject Property have impacted soil and/or groundwater at the Subject Property; specifically in areas where construction activities are proposed.

EXECUTIVE SUMMARY

At the request of the City of New York (the City), the Parsons Brinckerhoff (PB) Team conducted a Phase I Environmental Site Assessment (ESA) of the property located at 544 West 35th Street, New York, New York (Block 706 Lot 52), and is hereafter referred to as the “Subject Property.” The purpose of this ESA is to identify, to the extent feasible, the presence or likely presence of hazardous substances or petroleum products on or near the Subject Property.

These hazardous substances and petroleum products are defined in the American Society of Testing and Materials (ASTM) Standard Practice E 1527-00 as *recognized environmental conditions (RECs)*. In addition, other environmental issues and conditions not considered to be RECs are identified in this assessment. These include *historical RECs* or *de minimis* conditions.

The Phase I ESA also includes a preliminary evaluation of specific potential environmental issues or conditions that are, according to ASTM E 1527-00, considered non-scope considerations. These issues include radon, asbestos-containing materials, lead-based paint, and polychlorinated biphenyls. The Phase I ESA includes a review of regulatory agency databases and historical maps, and visual observations of the Subject Property and adjoining properties.

The City has requested that this assessment be conducted for purposes of environmental due diligence in order to qualify for the innocent landowner defense to CERCLA liability. In addition, the assessment is intended to identify conditions that have the potential to impact the use of the Subject Property as part of the Midblock Park and Boulevard System proposed under the Hudson Yards Rezoning and Development Program.

The Subject Property is located approximately 300 feet east of Eleventh Avenue, on the south side of West 35th Street, in an area that is primarily characterized by residential and commercial use. Review of Historic Sanborn Fire Insurance Maps identified RECs associated with the historical uses of the property across 35th Street from the Subject Property. These RECs include an iron warehouse and a motor freight station. Historical uses of the Subject Property were not identified as RECs.

Review of regulatory agency databases identified two facilities with active New York Spills/Leaking Underground Storage Tanks (NY Spills/LTANKS) cases that are considered RECs. One of the two spills has the same address as a facility listed in the Resource Conservation and Recovery Information System Generators/Transporters (RCRIS Gen/Trans) database.

Access to the Subject Property was not permitted; therefore, the property was assessed from the sidewalk only. This modified site inspection (due to lack of access onto the Subject Property) identified a seemingly active fill port outside the building; information from the FDNY indicated a 1,080-gallon fuel oil tank on the property has an expired permit. Because it appears as though this 1,080-gallon fuel oil tank is active and does not have a current permit, it is considered an REC.

Based on a previous Phase I ESA performed by the PB Team, the building or area located at 527 West 34th Street is considered an REC. The facility at this location reportedly removed a leaking UST and closure documentation does not appear to be available. It cannot be determined if this tank was closed in accordance with the applicable NYSDEC regulations; the size, contents, presence and general housekeeping practices of the tank(s) cannot be observed or identified. If there are subsurface impacts at this location due to the former UST, it is possible that the subsurface of the Subject Property could be impacted based on its proximity and upgradient/crossgradient location from the 527 West 34th Street facility.

Based on the findings of this Phase I ESA, it does not appear that the RECs identified would preclude use of the Subject Property for the Midblock Park and Boulevard System; however, the PB Team recommends that a program of subsurface sampling and laboratory analysis be undertaken to determine if releases associated with the historical land uses, former UST, two open NY Spills/LTANKS cases and an apparent tank with an outstanding permit have impacted soil and/or groundwater at the Subject Property; specifically in areas where construction activities are proposed.

EXECUTIVE SUMMARY

At the request of the City of New York (the City), the Parsons Brinckerhoff (PB) Team conducted a Phase I Environmental Site Assessment (ESA) of the property located at 538 West 35th Street, New York, New York (Block 706, Lot 50 – hereafter referred to as the “Subject Property”). The purpose of this ESA is to identify, to the extent feasible, the presence or likely presence of hazardous substances or petroleum products on or near the Subject Property.

These hazardous substances and petroleum products are defined in the American Society of Testing and Materials (ASTM) Standard Practice E 1527-00 as *recognized environmental conditions (RECs)*. In addition, other environmental issues and conditions not considered to be *RECs* are identified in this assessment. These include *historical RECs* or *de minimis* conditions.

The Phase I ESA includes a review of regulatory agency databases and historical maps; as well as visual observations of the Subject Property and adjoining properties.

The City has requested that this assessment be conducted for purposes of environmental due diligence in order to qualify for the innocent landowner defense to CERCLA liability. In addition, the assessment is intended to identify conditions that have the potential to impact the use of the Subject Property as part of the Midblock Park and Boulevard System as proposed No. 7 Subway Extension – Hudson Yards Rezoning and Development Program.

The Subject Property is located approximately 450 feet east of Eleventh Avenue, on the south side of West 35th Street, in an area that is primarily characterized by residential and commercial use. Review of Historic Sanborn Fire Insurance Maps identified RECs associated with the historical uses of the Subject Property and adjoining properties. These RECs include a “Motor Freight Station” at the Subject Property, and an unknown type of factory and a furniture store with tanks on the property adjacent to the south.

Review of regulatory agency databases identified two facilities with active New York Spills/Leaking Underground Storage Tanks (NY Spills/LTANKS) cases that are considered RECs. One of the two spills has the same address as a facility listed in the Resource Conservation and Recovery Information System Generators/Transporters (RCRIS Gen/Trans) database.

The site inspection did not reveal any RECs. However, it was discovered that an asbestos abatement program took place at the Subject Property. Documentation regarding this abatement has been requested and should be reviewed to ensure that all ACM has been properly abated.

Correspondence from the United States Environmental Protection Agency (USEPA) indicated that a property approximately 50 feet to the east (527 West 34th Street) is a permitted small-quantity hazardous waste generator facility under the Resource Conservation and Recovery Act. There are no violations or releases associated with this facility.

Based on a previous Phase I ESA performed by the PB Team, the property located at 527 West 34th Street is considered an REC. The facility at this location reportedly removed a leaking underground storage tank (UST) and closure documentation does not appear to be available. It cannot be determined if this tank was closed in accordance with the applicable NYSDEC regulations; the size, contents, presence and general housekeeping practices of the tank(s) cannot be observed or identified. If there are subsurface impacts at this location due to the former UST, it is possible that the subsurface of the Subject Property could be impacted based on its proximity and downgradient location from 527 West 34th Street.

Based on the findings of this Phase I ESA, the identified RECs would not preclude use of the Subject Property as part of the Midblock Park and Boulevard System; however, prior to acquisition or development, it is recommended that a program of subsurface sampling and laboratory analysis be performed to determine if releases associated with the historical land uses, former UST, and two open NY Spills/LTANKS cases have impacted soil and/or groundwater at the Subject Property, specifically in areas where construction activities are proposed.

Additionally, the documentation pertaining to the asbestos abatement program that occurred at the Subject Property should be reviewed to ensure that all ACM identified on site has been properly abated.

EXECUTIVE SUMMARY

At the request of the City of New York (the City), the Parsons Brinckerhoff (PB) Team conducted a Phase I Environmental Site Assessment (ESA) of the property located at 534 West 35th Street, New York, New York (Block 706 Lot 48), and is hereafter referred to as the “Subject Property.” The purpose of this ESA is to identify, to the extent feasible, the presence or likely presence of hazardous substances or petroleum products on or near the Subject Property.

These hazardous substances and petroleum products are defined in the American Society of Testing and Materials (ASTM) Standard Practice E 1527-00 as *recognized environmental conditions (RECs)*. In addition, other environmental issues and conditions not considered to be RECs are identified in this assessment. These include *historical RECs* or *de minimis* conditions.

The Phase I ESA also includes a preliminary evaluation of specific potential environmental issues or conditions that are, according to ASTM E 1527-00, considered non-scope considerations. These issues include radon, asbestos-containing materials (ACM), lead-based paint (LBP), and polychlorinated biphenyls (PCBs). The Phase I ESA includes a review of regulatory agency databases and historical maps, and visual observations of the Subject Property and adjoining properties.

The City has requested that this assessment be conducted for purposes of environmental due diligence in order to qualify for the innocent landowner defense to CERCLA liability. In addition, the assessment is intended to identify conditions that have the potential to impact the use of the Subject Property as part of the Midblock Park and Boulevard System proposed under the Hudson Yards Rezoning and Development Program.

The Subject Property is located approximately 450 feet east of Eleventh Avenue, on the south side of West 35th Street, in an area that is primarily characterized by commercial and residential use. Review of Historic Sanborn Fire Insurance Maps identified RECs on adjacent properties. No RECs were identified on the Subject Property. The RECs identified on adjoining properties include: an interior conduit and interior gas works, an unknown type of factory, a furniture store with tanks on site and a motor freight station.

Review of regulatory agency databases identified two facilities with active New York Spills/Leaking Underground Storage Tanks (NY Spills/LTANKS) cases that are considered RECs. One of the two spills has the same address as a facility listed in the Resource Conservation and Recovery Information System Generators/Transporters (RCRIS Gen/Trans) database.

Based on a previous Phase I ESA performed by the PB Team, the building or area adjacent to the east of the Subject Property is considered a REC. The facility at this location (527 West 34th Street) reportedly removed a leaking underground storage tank (UST) and closure documentation does not appear to be available. It cannot be determined if this tank was closed in accordance with the applicable NYSDEC regulations; the size, contents, presence and general house keeping practices of the tank(s) cannot be observed or identified. If there are subsurface impacts at this location

due to the former UST, it is possible that the subsurface of the Subject Property could be impacted based on its proximity and upgradient location from the 527 West 34th Street facility.

Correspondence from the United States Environmental Protection Agency (USEPA) confirmed the generation of hazardous waste at the property adjacent to the east (527 West 34th Street). There are no violations or releases associated with this facility.

Based on the findings of this Phase I ESA, the identified RECs would not preclude use of the Subject Property for the Midblock Park and Boulevard System; however, prior to acquisition or development, it is recommended that a program of subsurface sampling and laboratory analysis be performed to determine if releases associated with the historical land uses, reported removal of a leaking UST, and two open NY Spills/LTANKS cases have impacted soil and/or groundwater at the Subject Property, specifically in areas where construction activities are proposed.

EXECUTIVE SUMMARY

At the request of the City of New York (the City), the Parsons Brinckerhoff (PB) Team conducted a Phase I Environmental Site Assessment (ESA) of the property located at 527 West 34th Street, New York, New York (Block 706, Lot 17 – hereafter referred to as the “Subject Property”). The purpose of this ESA is to identify, to the extent feasible, the presence or likely presence of hazardous substances or petroleum products on or near the Subject Property.

These hazardous substances and petroleum products are defined in the American Society of Testing and Materials (ASTM) Standard Practice E 1527-00 as *recognized environmental conditions (RECs)*. In addition, other environmental issues and conditions not considered to be RECs are identified in this assessment. These include *historical RECs* or *de minimis* conditions.

The Phase I ESA includes a review of regulatory agency databases and historical maps; as well as visual observations of the Subject Property and adjoining properties.

The City has requested that this assessment be conducted for purposes of environmental due diligence in order to qualify for the innocent landowner defense to CERCLA liability. In addition, the assessment is intended to identify conditions that have the potential to impact the use of the Subject Property as part of the Midblock Park and Boulevard System proposed under the No. 7 Subway Extension – Hudson Yards Rezoning and Development Program.

The Subject Property is located approximately 400 feet east of Eleventh Avenue, on the north side of West 34th Street, in an area that is primarily characterized by commercial use. Review of historical Sanborn Fire Insurance Maps identified RECs associated with the historical uses of the Subject Property and adjoining properties. These RECs include an “Interior Conduit and Gas Works” and an electric company at the Subject Property, and an iron and brass foundry and a garage with diesel fuel underground storage tanks (USTs) at adjoining properties.

Review of regulatory agency databases identified four facilities with active New York Spills/Leaking Underground Storage Tanks (NY Spills/LTANKS) cases that are considered RECs. Two of the four spills have the same address as facilities listed in the Resource Conservation and Recovery Information System Generators/Transporters (RCRIS Gen/Trans) database; one of which is also listed on the Petroleum Bulk Storage (PBS) database.

Correspondence from the United States Environmental Protection Agency indicated that the Subject Property is a permitted small-quantity hazardous waste generator facility under the Resource Conservation and Recovery Act. There are no violations or releases associated with this facility. Information was obtained from FDNY regarding the status of USTs on the Subject Property. According to the FDNY’s records, one 5,000-gallon fuel oil tank is located on the Subject Property. Its permit expires October 31, 2003.

The building’s superintendent, Herman Feliciano, indicated that a petroleum UST had been removed from the Subject Property because it was leaking. The reported removal

of this on-site, leaking UST is considered an REC as it appears the tank was removed without complying with NYSDEC regulations. Additionally, closure documentation was not provided; therefore the environmental integrity of the subsurface material is unknown. Furthermore, although this tank was reportedly leaking, the Subject Property did not appear on the NY Spills/LTANKS database.

Based on the findings of this Phase I ESA, the identified RECs would not preclude use of the Subject Property as part of the Midblock Park and Boulevard System; however, prior to acquisition or development, it is recommended that a program of subsurface sampling and laboratory analysis be performed to determine if releases associated with the historical land uses, former UST, and four open NY Spills/LTANKS cases have impacted soil and/or groundwater at the Subject Property, specifically in areas where construction activities are proposed.

EXECUTIVE SUMMARY

At the request of the City of New York (the City), the Parsons Brinckerhoff (PB) Team conducted a Phase I Environmental Site Assessment (ESA) of the property located at 524 West 36th Street, New York, New York (Block 707, Lot 51 – hereafter referred to as the “Subject Property”). The purpose of this ESA is to identify, to the extent feasible, the presence or likely presence of hazardous substances or petroleum products on or near the Subject Property.

These hazardous substances and petroleum products are defined in the American Society of Testing and Materials (ASTM) Standard Practice E 1527-00 as *recognized environmental conditions (RECs)*. In addition, other environmental issues and conditions not considered to be *RECs* are identified in this assessment. These include *historical RECs* or *de minimis* conditions.

The Phase I ESA also includes a preliminary evaluation of specific potential environmental issues or conditions that are, according to ASTM E 1527-00, considered non-scope considerations. These issues include radon, asbestos-containing materials, lead-based paint, and polychlorinated biphenyls. The Phase I ESA includes a review of regulatory agency databases and historical maps, and visual observations of the Subject Property and adjoining properties.

The City has requested that this assessment be conducted for purposes of environmental due diligence in order to qualify for the innocent landowner defense to CERCLA liability. In addition, the assessment is intended to identify conditions that have the potential to impact the use of the Subject Property as part of the Midblock Park and Boulevard System proposed under the No. 7 Subway Extension – Hudson Yards Rezoning and Development Program.

The Subject Property consists of an approximately 6,300-square foot parcel located on the south side of West 35th Street, midway between Tenth and Eleventh Avenues, in an area that is primarily characterized by commercial uses. Review of historical Sanborn Fire Insurance Maps identified RECs associated with historical uses of the Subject Property and adjoining properties. These RECs include a possible automobile factory and a garage with gasoline underground storage tanks (USTs) at the Subject Property, and a piano factory, a charcoal depot and a garage with USTs at adjoining properties.

Review of regulatory agency databases identified the Subject Property as being an open New York Spills/Leaking Underground Storage Tanks (NY Spills/LTANKS) case, which is considered an REC. Two additional open NY Spills/LTANKS cases are located nearby.

Based on the findings of this Phase I ESA, the identified RECs would not preclude use of the Subject Property as part of the Midblock Park and Boulevard System; however, prior to acquisition or development, it is recommended that a program of subsurface sampling and laboratory analysis be performed to determine if releases associated with the historical land uses and three open NY Spills/LTANKS cases have impacted soil and/or groundwater at the Subject Property, specifically in areas where construction activities are proposed.

EXECUTIVE SUMMARY

At the request of the City of New York (the City), the Parsons Brinckerhoff (PB) Team conducted a Phase I Environmental Site Assessment (ESA) of the property located at 530-542 West 36th Street, New York, New York (Block 707, Lots 54 and 56 – hereafter referred to as the “Subject Property”). The purpose of this ESA is to identify, to the extent feasible, the presence or likely presence of hazardous substances or petroleum products on or near the Subject Property.

These hazardous substances and petroleum products are defined in the American Society of Testing and Materials (ASTM) Standard Practice E 1527-00 as *recognized environmental conditions (RECs)*. In addition, other environmental issues and conditions not considered to be RECs are identified in this assessment. These include *historical RECs* or *de minimis* conditions.

The Phase I ESA also includes a preliminary evaluation of specific potential environmental issues or conditions that are, according to ASTM E 1527-00, considered non-scope considerations. These issues include radon, asbestos-containing materials, lead-based paint, and polychlorinated biphenyls. The Phase I ESA includes a review of regulatory agency databases and historical maps, and visual observations of the Subject Property and adjoining properties.

The City has requested that this assessment be conducted for purposes of environmental due diligence in order to qualify for the innocent landowner defense to CERCLA liability. In addition, the assessment is intended to identify conditions that have the potential to impact the use of the Subject Property as part of the Midblock Park and Boulevard System proposed under the No. 7 Subway Extension – Hudson Yards Rezoning and Development Program.

The Subject Property consists of an approximately 13,000-square foot parcel located on the south side of West 36th Street, between Tenth and Eleventh Avenues, in an area that is primarily characterized by commercial uses. Review of historical Sanborn Fire Insurance Maps identified RECs associated with historical uses of the Subject Property and adjoining properties. These RECs include a possible automobile manufacturer and facilities with underground storage tanks (USTs) at the Subject Property, and a charcoal yard, and garages with gasoline USTs at adjoining properties.

Review of regulatory agency databases identified three facilities in the vicinity of the Subject Property with active New York Spills/Leaking Underground Storage Tanks (NY Spills/LTANKS) cases that are considered RECs.

The building’s owner, Richard DiBona, indicated that the Subject Property has never been the scene of an environmental incident.

Based on the findings of this Phase I ESA, the identified RECs would not preclude use of the Subject Property as part of the Midblock Park and Boulevard System; however, prior to acquisition or development, it is recommended that a program of subsurface sampling and laboratory analysis be performed to determine if releases associated with the historical land uses and three open NY Spills/LTANKS cases have impacted soil

and/or groundwater at the Subject Property, specifically in areas where construction activities are proposed.

EXECUTIVE SUMMARY

At the request of the City of New York (the City), the Parsons Brinckerhoff (PB) Team conducted a Phase I Environmental Site Assessment (ESA) of the property located at 513 West 37th Street and 510 West 38th Street, New York, New York (Block 709, Lots 25 and 46 – hereafter referred to as the “Subject Property”). The purpose of this ESA is to identify, to the extent feasible, the presence or likely presence of hazardous substances or petroleum products on or near the Subject Property.

These hazardous substances and petroleum products are defined in the American Society of Testing and Materials (ASTM) Standard Practice E 1527-00 as *recognized environmental conditions (RECs)*. In addition, other environmental issues and conditions not considered to be RECs are identified in this assessment. These include *historical RECs* or *de minimis* conditions.

The Phase I ESA includes a review of regulatory agency databases and historical maps; as well as visual observations of the Subject Property and adjoining properties.

The City has requested that this assessment be conducted for purposes of environmental due diligence in order to qualify for the innocent landowner defense to CERCLA liability. In addition, the assessment is intended to identify conditions that would have the potential to impact the use of the Subject Property as part of the Midblock Park and Boulevard System proposed under the No. 7 Subway Extension – Hudson Yards Rezoning and Development Program.

The Subject Property consists of two adjacent lots with a total approximate size of 24,400 square feet. It is located approximately mid block between Tenth and Eleventh Avenues, and 37th and 38th Streets in an area that is primarily characterized by commercial and residential land use. The Subject Property has historically been used as a horse stable, a warehouse, a cooperage, a marble storage concern, a trucking facility, and a commercial parking lot.

Based on a review of Sanborn Fire Insurance Maps and City agency records, historical RECs were identified on the Subject Property that include a former 550 gallon UST and previous site usage as a trucking facility. Off-site historical use RECs include a coal yard and a vehicle repair facility.

A total of 21 New York Spills/Leaking Underground Storage Tanks (NY Spills/LTANKS) cases were identified within a half-mile radius of the Subject Property. Five of these cases were located within a 0.125-mile radius of the Subject Property and are either crossgradient or upgradient to the Subject Property; however, based on the degree of the reported release, these cases are not considered RECs. The Subject Property was not identified on any of the searched databases.

The site inspection revealed that the Subject Property is currently being utilized as a commercial parking lot and is completely paved with asphalt. The only structure located on-site is a small building used by the parking attendants. The property was surrounded by chain link fencing at the time of the inspection.

Based on the findings of this Phase I ESA, it does not appear that the RECs identified would preclude use of the Subject Property as part of the Midblock Park and Boulevard System. However, the PB Team recommends that a program of baseline subsurface sampling and laboratory analysis be undertaken to determine if releases associated with the on-site historical and adjacent land uses have impacted soil and/or groundwater at the Subject Property.

EXECUTIVE SUMMARY

At the request of the City of New York (the City), the Parsons Brinckerhoff (PB) Team conducted a Phase I Environmental Site Assessment (ESA) of the property located at 521 West 37th Street, New York, New York (Block 709, Lot 23 – hereafter referred to as the “Subject Property”). The purpose of this ESA is to identify the presence or likely presence of hazardous substances or petroleum products on or near the Subject Property.

These hazardous substances and petroleum products are defined in the American Society of Testing and Materials (ASTM) Standard Practice E 1527-00 as *recognized environmental conditions (RECs)*. In addition, other environmental issues and conditions not considered to be *RECs* are identified in this assessment. These include *historical RECs* or *de minimis* conditions.

The Phase I ESA includes a review of regulatory agency databases and historical maps; as well as visual observations of the Subject Property and adjoining properties.

The City has requested that this assessment be conducted for purposes of environmental due diligence in order to qualify for the innocent landowner defense to CERCLA liability. In addition, the assessment is intended to identify conditions that would have the potential to impact the use of the Subject Property as part of the Midblock Park and Boulevard System proposed under the No. 7 Subway Extension – Hudson Yards Rezoning and Development Program.

The Subject Property consists of an approximately 5,000–square foot rectangular lot that contains a two-story warehouse building that covers the majority of the lot, and is located approximately mid block between Tenth and Eleventh Avenues on West 37th Street. The Subject Property has historically been used as a warehouse.

Based on a review of Sanborn Fire Insurance Maps and City agency records, no historical on-site RECs were identified. Off-site historical use RECs include adjacent trucking and auto repair facilities.

A total of 21 New York Spills/Leaking Underground Storage Tanks (NY Spills/LTANKS) cases were identified within a half-mile radius of the Subject Property. Five of these cases were located within a 0.125-mile radius of the Subject Property and are either crossgradient or upgradient; however, based on their proximity to the Subject Property and/or degree of the reported release, are not considered RECs. The Subject Property was not identified on any of the searched databases.

Because property access was not permitted by the PB Team; therefore, a visual inspection of the exterior of the building was performed. This modified site inspection did not identify any RECs.

Based on the findings of this Phase I ESA, it does not appear that the RECs identified would preclude use of the Subject Property as part of the proposed Midblock Park and Boulevard System. However, the PB Team recommends that a program of baseline subsurface sampling and analysis be performed to determine whether historical uses at

adjacent properties adversely impacted the surface soil and groundwater quality beneath the Subject Property.

EXECUTIVE SUMMARY

At the request of the City of New York (the City), the Parsons Brinckerhoff (PB) Team conducted a Phase I Environmental Site Assessment (ESA) of the property located at 525-539 West 37th Street, New York, New York (Block 709, Lot 17 – hereafter referred to as the “Subject Property”). The purpose of this ESA is to identify, to the extent feasible, the presence or likely presence of hazardous substances or petroleum products on or near the Subject Property.

These hazardous substances and petroleum products are defined in the American Society of Testing and Materials (ASTM) Standard Practice E 1527-00 as *recognized environmental conditions (RECs)*. In addition, other environmental issues and conditions not considered to be *RECs* are identified in this assessment. These include *historical RECs* or *de minimis* conditions.

The Phase I ESA includes a review of regulatory agency databases and historical maps; as well as visual observations of the Subject Property and adjoining properties.

The City has requested that this assessment be conducted for purposes of environmental due diligence in order to qualify for the innocent landowner defense to CERCLA liability. In addition, the assessment is intended to identify conditions that would have the potential to impact the use of the Subject Property as part of the Midblock Park and Boulevard System proposed under the No. 7 Subway Extension – Hudson Yards Rezoning and Development Program.

The Subject Property consists of an approximately 29,600–square foot rectangular lot that currently is a railroad right-of-way (ROW) cut for Amtrak’s Empire Line and the CSX Railroad. It is reported that only Amtrak currently utilizes the ROW. The Subject Property has historically been used as a horse stable and warehouse, as well as its current use as a railroad ROW.

The surrounding area has historically been developed with a mix of commercial and residential properties. Surrounding commercial uses have included stables, warehouses, an auto repair facility, a hotel, and a commercial parking lot. The review of the Sanborn Maps indicated that adjacent property usage as an auto repair facility is considered to be a REC.

A total of 21 New York Spills/Leaking Underground Storage Tanks (NY Spills/LTANKS) cases were identified within a half-mile radius of the Subject Property. Five of these cases were located within a 0.125-mile radius of the Subject Property and are either crossgradient or upgradient; however, based on their proximity to the Subject Property and/or degree of the reported release, are not considered RECs. The Subject Property was not identified on this or any of the other searched databases.

A site inspection of the ROW was performed by the PB Team on November 24, 2003, accompanied by a representative of CSX Railroad. The site inspection revealed RECs typical of railroad ROW’s, including creosote-treated lumber used for crossties, imported fill material including ballast, and potential petroleum contamination from mechanical equipment. However, it should be noted that the base of the ROW is located approximately 25 feet below the existing street level.

Based on the findings of this Phase I ESA, it does not appear that the historical RECs that were identified would preclude use of the Subject Property as part of the proposed Midblock Park and Boulevard System. However, the PB Team recommends that a program of baseline subsurface soil and groundwater sampling be conducted to determine the impact, if any, to the Subject Property's subsurface from historical site usage and/or discharges.

EXECUTIVE SUMMARY

At the request of New York City Department of City Planning (NYCDCP), the Parsons Brinckerhoff (PB) Team conducted a Phase I Environmental Site Assessment (ESA) of the property located at 522 West 37th Street, New York, New York (hereafter referred to as the “Subject Property”). The purpose of this ESA is to identify, to the extent feasible, the presence or likely presence of hazardous substances or petroleum products on or near the Subject Property.

These hazardous substances and petroleum products are defined in the American Society of Testing and Materials (ASTM) Standard Practice E 1527-00 as *recognized environmental conditions (RECs)*. In addition, other environmental issues and conditions not considered to be RECs are identified in this assessment. These include *historical RECs* or *de minimis* conditions.

The Phase I ESA also includes a preliminary evaluation of specific potential environmental issues or conditions that are, according to ASTM E 1527-00, considered non-scope considerations. These issues include radon, asbestos-containing materials (ACM), lead-based paint (LBP), and polychlorinated biphenyls (PCBs). The Phase I ESA includes a review of regulatory agency databases and historical maps, and visual observations of the Subject Property and adjoining properties.

The NYCDCP has requested that this assessment be conducted for purposes of environmental due diligence in order to qualify for the innocent landowner defense to CERCLA liability. In addition, the assessment is intended to identify conditions that have the potential to impact the use of the Subject Property as part of the Mid-Block Boulevard/Park proposed under the Hudson Yards Rezoning and Development Program.

The Subject Property is located approximately 450 feet east of Eleventh Avenue, on the south side of West 37th Street, in an area that is primarily characterized by commercial and residential use. Review of Historic Sanborn Fire Insurance Maps identified RECs on adjacent properties including: an unknown type of factory and a motor freight station. The RECs identified in the vicinity include: a hoist machinery facility; a factory; a garage; an auto repair facility; a sheet metal shop and a facility with 275-gallon, gasoline underground storage tanks (USTs).

Review of regulatory agency databases identified three facilities with active New York Spills/Leaking Underground Storage Tanks (NY Spills/LTANKS) cases that are considered RECs. One of the three spills has the same address as a facility listed in the Resource Conservation and Recovery Information System Generators/Transporters (RCRIS Gen/Trans) database.

Based on the findings of this Phase I ESA, it does not appear that the RECs identified would preclude use of the Subject Property for the Mid-Block Boulevard/Park; however, the PB Team recommends that a program of subsurface sampling and laboratory analysis be undertaken to determine if releases associated with the historical land uses and three open NY Spills/LTANKS cases, have impacted soil and/or groundwater at the Subject Property, specifically in areas where construction activities are proposed.

EXECUTIVE SUMMARY

At the request of the City of New York (the City), the Parsons Brinckerhoff (PB) Team conducted a Phase I Environmental Site Assessment (ESA) of the property located at 518 West 37th Street, New York, New York (Block 708, Lot 46 – hereafter referred to as the “Subject Property”). The purpose of this ESA is to identify, to the extent feasible, the presence or likely presence of hazardous substances or petroleum products on or near the Subject Property.

These hazardous substances and petroleum products are defined in the American Society of Testing and Materials (ASTM) Standard Practice E 1527-00 as *recognized environmental conditions (RECs)*. In addition, other environmental issues and conditions not considered to be *RECs* are identified in this assessment. These include *historical RECs* or *de minimis* conditions.

The Phase I ESA also includes a preliminary evaluation of specific potential environmental issues or conditions that are, according to ASTM E 1527-00, considered non-scope considerations. These issues include radon, asbestos-containing materials (ACM), lead-based paint (LBP), and polychlorinated biphenyls (PCBs). The Phase I ESA includes a review of regulatory agency databases and historical maps, and visual observations of the Subject Property and adjoining properties.

The City has requested that this assessment be conducted for purposes of environmental due diligence in order to qualify for the innocent landowner defense to CERCLA liability. In addition, the assessment is intended to identify conditions that have the potential to impact the use of the Subject Property as part of the Midblock Park and Boulevard System proposed under the No. 7 Subway Extension – Hudson Yards Rezoning and Development Program.

The Subject Property consists of an approximately 5,000-square foot parcel located on the south side of West 37th Street, midway between Tenth and Eleventh Avenues, in an area that is primarily characterized by commercial uses. Review of historical Sanborn fire insurance maps identified RECs associated with historical uses of the Subject Property and nearby properties. These RECs include a facility that either repaired or manufactured hoisting machinery; a freight station and an auto radiator repair shop at the Subject Property and a paper hanging factory, garages with gasoline underground storage tanks (USTs), a large laundry facility, a sheet metal shop, an auto radiator repair shop and several freight stations in the vicinity of the Subject Property.

Review of regulatory agency databases identified three nearby properties as being open New York Spills/Leaking Underground Storage Tanks (NY Spills/LTANKS) cases.

Based on the findings of this Phase I ESA, the identified RECs would not preclude use of the Subject Property as part of the Midblock Park and Boulevard System; however, prior to acquisition or development, it is recommended that a program of subsurface sampling and laboratory analysis be performed to determine if releases associated with the historical land uses and three open NY Spills/LTANKS cases have impacted soil and/or groundwater at the Subject Property, specifically in areas where construction activities are proposed.

EXECUTIVE SUMMARY

At the request of the City of New York (the City), the Parsons Brinckerhoff (PB) Team conducted a Phase I Environmental Site Assessment (ESA) of the property located at 525 West 36th Street, New York, New York (Block 708, Lot 20 – hereafter referred to as the “Subject Property”). The purpose of this ESA is to identify, to the extent feasible, the presence or likely presence of hazardous substances or petroleum products on or near the Subject Property.

These hazardous substances and petroleum products are defined in the American Society of Testing and Materials (ASTM) Standard Practice E 1527-00 as *recognized environmental conditions (RECs)*. In addition, other environmental issues and conditions not considered to be *RECs* are identified in this assessment. These include *historical RECs* or *de minimis* conditions.

The Phase I ESA also includes a preliminary evaluation of specific potential environmental issues or conditions that are, according to ASTM E 1527-00, considered non-scope considerations. These issues include radon, asbestos-containing materials, lead-based paint, and polychlorinated biphenyls. The Phase I ESA includes a review of regulatory agency databases and historical maps, and visual observations of the Subject Property and adjoining properties.

The City has requested that this assessment be conducted for purposes of environmental due diligence in order to qualify for the innocent landowner defense to CERCLA liability. In addition, the assessment is intended to identify conditions that have the potential to impact the use of the Subject Property as part of the Midblock Park and Boulevard System proposed under the No. 7 Subway Extension – Hudson Yards Rezoning and Development Program.

The Subject Property consists of an approximately 5,000-square foot parcel located on the north side of West 36th Street, midway between Tenth and Eleventh Avenues, in an area that is primarily characterized by commercial uses. Review of historical Sanborn fire insurance maps identified RECs associated with historical uses of nearby properties. These RECs include an auto radiator repair shop and a sheet metal shop at the Subject Property and a piano factory, a possible automobile factory, a paint shop, garages with gasoline underground storage tanks (USTs) and several freight stations in the vicinity of the Subject Property.

Review of regulatory agency databases identified three nearby properties as being open New York Spills/Leaking Underground Storage Tanks (NY Spills/LTANKS) cases.

Access to the Subject Property was not granted by the property owner at the time of inspection; therefore only a visual inspection of the site was performed from the sidewalk.

Based on the findings of this Phase I ESA, the identified RECs would not preclude use of the Subject Property as part of the Midblock Park and Boulevard System; however, prior to acquisition or development, it is recommended that a program of subsurface sampling and laboratory analysis be performed to determine if releases associated with the historical land uses and three open NY Spills/LTANKS cases have impacted soil

and/or groundwater at the Subject Property, specifically in areas where construction activities are proposed.

EXECUTIVE SUMMARY

At the request of the City of New York (the City), the Parsons Brinckerhoff (PB) Team conducted a Phase I Environmental Site Assessment (ESA) of the property located at 527 West 36th Street, New York, New York (Block 708, Lot 17 – hereafter referred to as the “Subject Property”). The purpose of this ESA is to identify, to the extent feasible, the presence or likely presence of hazardous substances or petroleum products on or near the Subject Property.

These hazardous substances and petroleum products are defined in the American Society of Testing and Materials (ASTM) Standard Practice E 1527-00 as *recognized environmental conditions (RECs)*. In addition, other environmental issues and conditions not considered to be *RECs* are identified in this assessment. These include *historical RECs* or *de minimis* conditions.

The Phase I ESA also includes a preliminary evaluation of specific potential environmental issues or conditions that are, according to ASTM E 1527-00, considered non-scope considerations. These issues include radon, asbestos-containing materials, lead-based paint, and polychlorinated biphenyls. The Phase I ESA includes a review of regulatory agency databases and historical maps, and visual observations of the Subject Property and adjoining properties.

The City has requested that this assessment be conducted for purposes of environmental due diligence in order to qualify for the innocent landowner defense to CERCLA liability. In addition, the assessment is intended to identify conditions that have the potential to impact the use of the Subject Property as part of the Midblock Park and Boulevard System proposed under the No. 7 Subway Extension – Hudson Yards Rezoning and Development Program.

The Subject Property consists of an approximately 7,000-square foot parcel located on the north side of West 36th Street, midway between Tenth and Eleventh Avenues, in an area that is primarily characterized by commercial uses. Review of historical Sanborn fire insurance maps identified RECs associated with historical uses of nearby properties. These include a piano factory, a possible automobile factory, a paint shop, garages with gasoline underground storage tanks, an auto radiator repair shop and a sheet metal shop.

Review of regulatory agency databases identified three nearby properties as being open New York Spills/Leaking Underground Storage Tanks (NY Spills/LTANKS) cases.

Access to the Subject Property was not granted by the property owner at the time of inspection; therefore only a visual inspection of the site was performed from the sidewalk.

Based on the findings of this Phase I ESA, the identified RECs would not preclude use of the Subject Property as part of the Midblock Park and Boulevard System; however, prior to acquisition or development, it is recommended that a program of subsurface sampling and laboratory analysis be performed to determine if releases associated with the historical land uses and three open NY Spills/LTANKS cases have impacted soil

and/or groundwater at the Subject Property, specifically in areas where construction activities are proposed.

EXECUTIVE SUMMARY

At the request of the City of New York (the City), the Parsons Brinckerhoff (PB) Team conducted a Phase I Environmental Site Assessment (ESA) of the property located at 438 Eleventh Avenue, New York, New York (Block 708, Lot 1 – hereafter referred to as the “Subject Property”). The purpose of this ESA is to identify, to the extent feasible, the presence or likely presence of hazardous substances or petroleum products on or near the Subject Property.

These hazardous substances and petroleum products are defined in the American Society of Testing and Materials (ASTM) Standard Practice E 1527-00 as *recognized environmental conditions (RECs)*. In addition, other environmental issues and conditions not considered to be *RECs* are identified in this assessment. These include *historical RECs* or *de minimis* conditions.

The Phase I ESA also includes a preliminary evaluation of specific potential environmental issues or conditions that are, according to ASTM E 1527-00, considered non-scope considerations. These issues include radon, asbestos-containing materials, lead-based paint, and polychlorinated biphenyls. The Phase I ESA includes a review of regulatory agency databases and historical maps, and visual observations of the Subject Property and adjoining properties.

The City has requested that this assessment be conducted for purposes of environmental due diligence in order to qualify for the innocent landowner defense to CERCLA liability. In addition, the assessment is intended to identify conditions that have the potential to impact the use of the Subject Property as part of the Midblock Park and Boulevard System proposed under the No. 7 Subway Extension – Hudson Yards Rezoning and Development Program.

The Subject Property consists of an approximately 65,000-square foot parcel generally located on the western half of the block bound by West 36th Street, West 37th Street, Tenth Avenue and Eleventh Avenue, in an area that is characterized primarily by commercial uses. Review of historical Sanborn Fire Insurance Maps identified RECs associated with historical uses of the Subject Property and nearby properties. These include a piano factory, a possible automobile factory, a paint shop, garages with gasoline underground storage tanks, an auto radiator repair shop, a sheet metal shop, a bus garage, a gas station and several motor freight stations.

Review of regulatory agency databases identified three nearby properties as being open New York Spills/Leaking Underground Storage Tanks (NY Spills/LTANKS) cases.

Access to the Subject Property was not granted by the property owner at the time of inspection; therefore only a visual inspection of the site was performed from the sidewalk.

Based on the findings of this Phase I ESA, the identified RECs would not preclude use of the Subject Property as part of the Midblock Park and Boulevard System; however, prior to acquisition or development, it is recommended that a program of subsurface sampling and laboratory analysis be performed to determine if releases associated with the historical land uses and three open NY Spills/LTANKS cases have impacted soil

and/or groundwater at the Subject Property, specifically in areas where construction activities are proposed.

EXECUTIVE SUMMARY

At the request of the City of New York (the City), the Parsons Brinckerhoff (PB) Team conducted a Phase I Environmental Site Assessment (ESA) of the property located at 522 West 38th Street, New York, New York (Block 709, Lot 52 – hereafter referred to as the “Subject Property”). The purpose of this ESA is to identify, to the extent feasible, the presence or likely presence of hazardous substances or petroleum products on or near the Subject Property.

These hazardous substances and petroleum products are defined in the American Society of Testing and Materials (ASTM) Standard Practice E 1527-00 as *recognized environmental conditions (RECs)*. In addition, other environmental issues and conditions not considered to be *RECs* are identified in this assessment. These include *historical RECs* or *de minimis* conditions.

The Phase I ESA includes a review of regulatory agency databases and historical maps; as well as visual observations of the Subject Property and adjoining properties.

The City has requested that this assessment be conducted for purposes of environmental due diligence in order to qualify for the innocent landowner defense to CERCLA liability. In addition, the assessment is intended to identify conditions that would have the potential to impact the use of the Subject Property as part of the Midblock Park and Boulevard System proposed under the No. 7 Subway Extension – Hudson Yards Rezoning and Development Program.

The Subject Property consists of an approximately 5,000–square foot rectangular lot that contains a twelve-story Best Western Hotel building that covers the majority of the lot, and is located approximately mid block between Tenth and Eleventh Avenues on West 38th Street. The Subject Property has historically been used as a horse stable, a bottling works, a trucking facility and an auto repair facility. The historical site usage as a trucking facility and auto repair facility are considered RECs.

A total of 21 New York Spills/Leaking Underground Storage Tanks (NY Spills/LTANKS) cases were identified within a half-mile radius of the Subject Property. Five of these cases were located within a 1/8th mile radius of the Subject Property and are either crossgradient or upgradient; however, based on their proximity to the Subject Property and/or degree of the reported release, are not considered RECs. The Subject Property was not identified on this or any of the other searched databases.

Because property access was not granted by the property owner, the PB Team was only able to perform a visual inspection of the building exterior from publicly accessible areas. This modified site inspection did not identify any RECs.

Based on the findings of this Phase I ESA, it does not appear that the historical RECs that were identified would preclude use of the Subject Property as part of the proposed Midblock Park and Boulevard System. However, the PB Team recommends that a program of baseline subsurface soil and groundwater sampling be conducted to determine the impact, if any, to the Subject Property’s subsurface from historical site usage and/or discharges.

EXECUTIVE SUMMARY

At the request of the City of New York (the City), the Parsons Brinckerhoff (PB) Team conducted a Phase I Environmental Site Assessment (ESA) of the property located at 535 West 38th Street, New York, New York (Block 710, Lot 11 – hereafter referred to as the “Subject Property”). The purpose of this ESA is to identify, to the extent feasible, the presence or likely presence of hazardous substances or petroleum products on or near the Subject Property.

These hazardous substances and petroleum products are defined in the American Society of Testing and Materials (ASTM) Standard Practice E 1527-00 as *recognized environmental conditions (RECs)*. In addition, other environmental issues and conditions not considered to be RECs are identified in this assessment. These include *historical RECs* or *de minimis* conditions.

The Phase I ESA includes a review of regulatory agency databases and historical maps; as well as visual observations of the Subject Property and adjoining properties.

The City has requested that this assessment be conducted for purposes of environmental due diligence in order to qualify for the innocent landowner defense to CERCLA liability. In addition, the assessment is intended to identify conditions that would have the potential to impact the use of the Subject Property as part of the Midblock Park and Boulevard System proposed under the No. 7 Subway Extension – Hudson Yards Rezoning and Development Program.

The Subject Property consists of an approximately 19,800-square foot lot extends from 38th street north to 39th Street and is approximately 300 feet east of Eleventh Avenue, in an area that is primarily characterized by commercial and residential land use. The Subject Property has historically been used as a coal yard, a lumber yard, and a warehouse.

Based on a review of Sanborn Fire Insurance Maps and City agency records, RECs were identified on the Subject Property based on historical site usage as a coal yard. Off-site historical use RECs include a coal yard, an auto repair facility, and a truck/bus parking lot.

A total of 38 New York Spills/Leaking Underground Storage Tanks (NY Spills/LTANKS) cases were identified within a half-mile radius of the Subject Property, five were located within a 0.125-mile radius and either crossgradient or upgradient of the Subject Property, and are therefore considered to be RECs. Five were cross-listed on the RCRIS Generators/Transporters. The Subject Property was not identified on any of the searched databases.

During the site inspection and interview, a representative of Mercedes Benz, Mr. Ralph Fisher indicated that Mercedes Benz has owned and occupied the Subject Property for approximately 30 years. The Subject Property is completely covered with a five-story brick and steel frame building that Mercedes Benz uses as a prep facility for new vehicles, and auto body repair for vehicles purchased through the Manhattan Mercedes Benz dealership. The use of the Subject Property as an automotive facility for more than 30 years is also considered a REC. The first two floors of the building are utilized for

prep and body repair, while the remaining three floors are used primarily for storage of new vehicles. Vehicles are transported from floor to floor via a large freight elevator located in the central portion of the building, which is considered a REC. Walls throughout the building are generally painted brick, with the exception of several small office areas located on the first and second floors, which appeared to be constructed of gypsum wall board. Based on the age of the building (ca. 1919 and 1924), it is assumed that asbestos containing building materials and lead-based paint are present. The building was also observed to contain a subterranean basement, but due to an electrical problem that prevented the light from functioning properly, was not inspected.

Based on the findings of this Phase I ESA, it does not appear that the RECs identified would preclude use of the Subject Property as part of the proposed Midblock Park and Boulevard System. However, the PB Team recommends that a program of baseline subsurface sampling and laboratory analysis be undertaken to determine if releases associated with historical land uses have impacted soil and/or groundwater at the Subject Property.

EXECUTIVE SUMMARY

At the request of the City of New York (the City), the Parsons Brinckerhoff (PB) Team conducted a Phase I Environmental Site Assessment (ESA) of the Caemmerer Yard property located between Tenth and Twelfth Avenues and 30th and 33rd Streets New York, New York (hereafter referred to as the "Subject Property"). The purpose of this ESA is to identify, to the extent feasible, the presence or likely presence of hazardous substances or petroleum products on or near the Subject Property.

These hazardous substances and petroleum products are defined in the American Society of Testing and Materials (ASTM) Standard Practice E 1527-00 as *recognized environmental conditions (RECs)*. In addition, other environmental issues and conditions not considered to be RECs are identified in this assessment. These include *historical RECs* or *de minimis* conditions.

The Phase I ESA includes a review of regulatory agency databases and historical maps and visual observations of the Subject Property and adjoining properties.

The City has requested that this assessment be conducted for purposes of environmental due diligence in order to qualify for the innocent landowner defense to CERCLA liability. In addition, the assessment is intended to identify conditions that have the potential to impact the use of the Subject Property for the construction of the Multi-Use Facility over the western portion of the Subject Property in conjunction with the proposed No. 7 Subway Extension-Hudson Yards Rezoning and Development Program.

The Subject Property occupies the area bound by West 33rd Street to the north, West 30th Street to the south, Twelfth Avenue to the west, and Tenth Avenue to the east, in an area that is primarily characterized by commercial use. For purposes of historical review, Caemmerer Yard was divided into two portions, Caemmerer Yard West and Caemmerer Yard East. Caemmerer Yard West is bound to the north by West 33rd Street, to the south by West 30th Street, to the east by Twelfth Avenue, and to the west by Eleventh Avenue. Caemmerer Yard East is bound to the north by West 33rd Street, to the south by West 30th Street, to the west by Eleventh Avenue, and to the east by Tenth Avenue.

Review of Historic Sanborn Fire Insurance Maps identified Recognized Environmental Conditions (RECs) associated with the historical uses of the Subject Property and adjoining properties. These RECs include historical use of the Subject Property as a freight yard and a train storage yard. There may have been localized applications of pesticides and herbicides along the tracks. Historically, creosote would likely have been applied to the rail road ties, potentially resulting in localized impacts. The historical presence of a lumber yard at Caemmerer Yard West may have also resulted in localized petroleum impacts and metals from this operation. The historical presence of a coal yard and locomotive house at Caemmerer Yard East may have also resulted in localized petroleum impacts and metals from their operations.

The historical presence of a lumber yard, coal yard, filling station, and motor freight station at properties in the vicinity of Caemmerer Yard West may have resulted in

releases of petroleum, and possibly metals, to subsurface soil and groundwater, which could affect conditions at the property. The historical presence of a metals work, junk yard, auto repair facility, and filling station at properties in the vicinity of Caemmerer Yard East may have resulted in release of petroleum, and possibly metals, to subsurface soil and groundwater, which could affect conditions at the property.

Review of regulatory agency databases identified three facilities within the vicinity of Caemmerer Yard with active New York Spills/Leaking Underground Storage Tanks (NY Spills/LTANKS) cases that are considered RECs. One of the three spills was located in the vicinity of Caemmerer Yard West. Two of the three spills were located in the vicinity of Caemmerer Yard East and have the same address as facilities listed in the Resource Conservation and Recovery Information System Generators/Transporters (RCRIS Gen/Trans) database.

Based on the findings of this Phase I ESA, the identified RECs would not preclude use of the Subject Property as the site of the Multi-Use Facility over the western portion of the Subject Property; however, prior to construction, it is recommended that a program of subsurface sampling and laboratory analysis be performed to determine if releases associated with the historical land uses, and three open NY Spills/LTANKS cases (one spill in the western portion of Caemmerer Yard and two spills in the eastern portion of Caemmerer Yard) have impacted soil and/or groundwater at the Subject Property, specifically in areas where construction activities are proposed.

EXECUTIVE SUMMARY

At the request of the City of New York (the City), the Parsons Brinckerhoff (PB) Team conducted a Phase I Environmental Site Assessment (ESA) of the property located at 310 West 40th Street, New York, New York (Block 763, Lot 47 – hereafter referred to as the “Subject Property”). The purpose of this ESA is to identify, to the extent feasible, the presence or likely presence of hazardous substances or petroleum products on or near the Subject Property.

These hazardous substances and petroleum products are defined in the American Society of Testing and Materials (ASTM) Standard Practice E 1527-00 as *recognized environmental conditions (RECs)*. In addition, other environmental issues and conditions not considered to be *RECs* are identified in this assessment. These include *historical RECs* or *de minimis* conditions.

The Phase I ESA includes a review of regulatory agency databases and historical maps, as well as visual observations of the Subject Property and adjoining properties.

The City has requested that this assessment be conducted for purposes of environmental due diligence in order to qualify for the innocent landowner defense to CERCLA liability. In addition, the assessment is intended to identify conditions that have the potential to impact the use of the Subject Property as a proposed location of a fan plant associated with the No. 7 Subway Extension.

The Subject Property is located approximately 200 feet east of Eighth Avenue, on the south side of West 40th Street, in an area that is primarily characterized by commercial and residential use. Review of Sanborn Fire Insurance Maps identified an historical REC based on the historical use of the property, which abuts the Subject Property to the south.

No facilities on the Subject Property or in the vicinity of it were identified as RECs based on a review of the regulatory agency databases. The assessment identified the property adjacent to the south as an historical REC. This property historically was used as a filling station; the Sanborn map review revealed two gasoline storage tanks on site from 1950 to sometime between 1990 and 1996. The tanks do not appear to have been registered with the NYSDEC as the database review did not reveal information regarding the status of tanks at the address of the property to the south (309-313 West 39th Street). Due to the possibility of on-site releases and/or improper closure practices that may have taken place, soil and/or groundwater could have been impacted at the Subject Property.

Based on the findings of this Phase I ESA, it does not appear that the REC identified would preclude use of the Subject Property as a proposed location of a fan plant necessary for the extension of the No. 7 Subway Extension; however, the PB Team recommends that a program of subsurface sampling and laboratory analysis be undertaken to determine if historical usage of the property to the south as a filling station has impacted the Subject Property.

EXECUTIVE SUMMARY

At the request of the City of New York (the City), the Parsons Brinckerhoff (PB) Team conducted a Phase I Environmental Site Assessment (ESA) of the property located at 509 West 38th Street, New York, New York (Block 710, Lot 22 – hereafter referred to as the “Subject Property”). The purpose of this ESA is to identify, to the extent feasible, the presence or likely presence of hazardous substances or petroleum products on or near the Subject Property.

These hazardous substances and petroleum products are defined in the American Society of Testing and Materials (ASTM) Standard Practice E 1527-00 as *recognized environmental conditions (RECs)*. In addition, other environmental issues and conditions not considered to be RECs are identified in this assessment. These include *historical RECs* or *de minimis* conditions.

The Phase I ESA includes a review of regulatory agency databases and historical maps; as well as visual observations of the Subject Property and adjoining properties.

The City has requested that this assessment be conducted for purposes of environmental due diligence in order to qualify for the innocent landowner defense to CERCLA liability. In addition, the assessment is intended to identify conditions that would have the potential to impact the use of the Subject Property as part of the Midblock Park and Boulevard System proposed under the No. 7 Subway Extension – Hudson Yards Rezoning and Development Program.

The Subject Property consists of an approximately 12,500-square foot lot located approximately 600 feet east of Eleventh Avenue, on the north side of West 38th Street, in an area that is primarily characterized by commercial and residential land use. The Subject Property has historically been used as a horse stable, warehouse for the storage of theatrical scenery, and was reported to have been utilized as a laundry service prior to redevelopment into its current usage as a music recording studio.

Based on a review of Sanborn Fire Insurance Maps and City agency records, no RECs were identified on the Subject Property. Off-site historical use RECs include coal yard and an auto repair facility.

A total of 30 New York Spills/Leaking Underground Storage Tanks (NY Spills/LTANKS) cases were identified within a half-mile radius of the Subject Property, seven were located within a 0.125-mile radius of the Subject Property that are either crossgradient or upgradient, and are therefore considered to be RECs. Five were cross-listed on the RCRIS Generators/Transporters. The Subject Property was not identified on any of the searched databases.

During the site inspection and interview, the representative of Right Track Recording, Mr. Chris Trice (current property tenant) indicated that they had performed a complete renovation (including removing all walls, floors, sub-floors, plumbing and electrical) when they assumed the building lease in late 2001. The building also contains a small freight elevator that was also reported to have been significantly renovated in 2001, and therefore is not considered a REC. Two former fill ports were observed in the sidewalk in front of

the building that had previously been filled in with cement. Because no information was available regarding these fill ports, they are considered a REC.

Based on the findings of this Phase I ESA, it does not appear that the RECs identified would preclude use of the Subject Property as part of the proposed Midblock Park and Boulevard System. However, the PB Team recommends that a program of baseline subsurface sampling and laboratory analysis be undertaken to determine if releases associated with the abandoned on-site fill ports and historical land uses have impacted soil and/or groundwater at the Subject Property.

EXECUTIVE SUMMARY

At the request of the City of New York (the City), the Parsons Brinckerhoff (PB) Team conducted a Phase I Environmental Site Assessment (ESA) of the property located at 519 West 38th Street, New York, New York (Block 710, Lot 20 – hereafter referred to as the “Subject Property”). The purpose of this ESA is to identify, to the extent feasible, the presence or likely presence of hazardous substances or petroleum products on or near the Subject Property.

These hazardous substances and petroleum products are defined in the American Society of Testing and Materials (ASTM) Standard Practice E 1527-00 as *recognized environmental conditions (RECs)*. In addition, other environmental issues and conditions not considered to be RECs are identified in this assessment. These include *historical RECs* or *de minimis* conditions.

The Phase I ESA includes a review of regulatory agency databases and historical maps; as well as visual observations of the Subject Property and adjoining properties.

The City has requested that this assessment be conducted for purposes of environmental due diligence in order to qualify for the innocent landowner defense to CERCLA liability. In addition, the assessment is intended to identify conditions that would have the potential to impact the use of the Subject Property as part of the Midblock Park and Boulevard System proposed under the No. 7 Subway Extension – Hudson Yards Rezoning and Development Program.

The Subject Property consists of an approximately 13,200-square foot lot located approximately 400 feet east of Eleventh Avenue, on the north side West 38th Street, in an area that is primarily characterized by commercial and residential land use. The Subject Property has historically been used as a coal yard, commercial dairy, warehouse and auto repair facility.

Based on a review of Sanborn Fire Insurance Maps and City agency records, the historical usage of the Subject Property as a coal yard and an auto repair facility is considered an REC. No off-site historical use RECs were identified.

A total of 28 New York Spills/Leaking Underground Storage Tanks (NY Spills/LTANKS) cases were identified within a half-mile radius of the Subject Property. Although three of these cases are near and upgradient of the Subject Property, the size of the reported spills do not appear to have been significance enough to have a reasonable potential to impact the Subject Property. Therefore, none of the cases are considered RECs with respect to the Subject Property.

Because the current property owners have not granted the PB Team site access, the site could only be visually inspected from the public sidewalk that runs along the front of the property. The visual inspection of the front exterior of the Subject Property did not identify any RECs.

Based on the findings of this Phase I ESA, it does not appear that the RECs identified would preclude use of the Subject Property as part of the proposed Midblock Park and

Boulevard System. However, the PB Team does recommend that a program of baseline subsurface soil sampling be performed in order to determine whether any of the historical RECs have adversely impacted the soil/groundwater beneath the Subject Property.

EXECUTIVE SUMMARY

At the request of the City of New York (the City), the Parsons Brinckerhoff (PB) Team conducted a Phase I Environmental Site Assessment (ESA) of the property located at 520 West 39th Street, New York, New York (Block 710, Lot 15 – hereafter referred to as the “Subject Property”). The purpose of this ESA is to identify, to the extent feasible, the presence or likely presence of hazardous substances or petroleum products on or near the Subject Property.

These hazardous substances and petroleum products are defined in the American Society of Testing and Materials (ASTM) Standard Practice E 1527-00 as *recognized environmental conditions (RECs)*. In addition, other environmental issues and conditions not considered to be RECs are identified in this assessment. These include *historical RECs* or *de minimis* conditions.

The Phase I ESA includes a review of regulatory agency databases and historical maps; as well as visual observations of the Subject Property and adjoining properties.

The City has requested that this assessment be conducted for purposes of environmental due diligence in order to qualify for the innocent landowner defense to CERCLA liability. In addition, the assessment is intended to identify conditions that would have the potential to impact the use of the Subject Property as part of the Midblock Park and Boulevard System proposed under the No. 7 Subway Extension – Hudson Yards Rezoning and Development Program.

The Subject Property consists of an approximately 18,700–square foot rectangular lot that is currently occupied by a railroad right-of-way (ROW) for Amtrak’s Empire Line and the CSX Railroad; and Citywide Automotive Repair. It is reported that only the Amtrak currently utilizes the ROW. The Subject Property has historically been used as a coal yard, a lumber storage facility, and an auto repair facility, as well as its current use as a railroad ROW.

The surrounding area has historically been developed with a mix of commercial and residential properties. Surrounding commercial uses have included a stable, warehouses, a dairy, and an auto repair facility. The review of the Sanborn Maps indicated that adjacent property usage as an auto repair facility is considered to be a REC.

A total of 36 New York Spills/Leaking Underground Storage Tanks (NY Spills/LTANKS) cases were identified within a half-mile radius of the Subject Property. Four of these cases were located within a 0.125-mile radius of the Subject Property and are either crossgradient or upgradient; however, based on their proximity to the Subject Property and/or degree of the reported release, are not considered RECs. The Subject Property was not identified on this or any of the other searched databases.

A site inspection of the railroad ROW was performed by the PB Team on November 24, 2003, accompanied by a representative of CSX Railroad. The site inspection revealed RECs typical of railroad ROWs, including creosote-treated lumber used for track crossties, imported fill material including ballast, and potential petroleum contamination from mechanical equipment. However, it should be noted that the base of the ROW is

located approximately 25 feet below the existing street level. The Citywide Automotive Repair portion of the Subject Property was not inspected because site access was not granted by the facility owner. Therefore, observations regarding this facility were only made from the sidewalk.

Based on the findings of this Phase I ESA, it does not appear that the historical RECs that were identified would preclude use of the Subject Property as part of the proposed Midblock Park and Boulevard System. However, the PB Team recommends that a program of baseline subsurface soil and groundwater sampling be conducted to determine the impact, if any, to the Subject Property's subsurface from historical site usage and/or discharges.

EXECUTIVE SUMMARY

At the request of City of New York (the City), the Parsons Brinckerhoff (PB) Team conducted a Phase I Environmental Site Assessment (ESA) of the Corona Yard located between Willets Point Boulevard and the Van Wyck Expressway in Queens County, New York (hereafter referred to as the "Subject Property"). The purpose of this ESA is to identify, to the extent feasible, the presence or likely presence of hazardous substances or petroleum products on or near the Subject Property.

These hazardous substances and petroleum products are defined in the American Society of Testing and Materials (ASTM) Standard Practice E 1527-00 as *recognized environmental conditions (RECs)*. In addition, other environmental issues and conditions not considered to be *RECs* are identified in this assessment. These include *historical RECs* or *de minimis* conditions.

The Phase I ESA includes a review of regulatory agency databases, historical maps of the Subject Property and adjoining properties and also the review of results of a previous investigation that was performed on the property to the south west of the Subject Property.

The City has requested that this assessment be conducted for purposes of environmental due diligence in order to qualify for the innocent landowner defense to CERCLA liability. In addition, the assessment is intended to identify conditions that have the potential to impact the use of the Subject Property the site of six new layup tracks necessary to accommodate an additional 11 trains to the No. 7 Subway fleet, which are proposed as part of the Proposed Action.

The Subject Property is located in the area between the Van Wyck Expressway and Willets Point Boulevard and extends southward across Roosevelt Avenue in Queens, New York. Review of both the Historic Sanborn Fire Insurance Maps and the results of the Phase I/II ESA of 126th Street and Roosevelt Avenue (Berger, 2002) identified an auto body facility located adjacent to the west of the Subject Property to be a REC as well as the historical uses of the properties adjacent to the west of the Subject Property (along Willets Point Boulevard) to be considered RECs; as they have been the site of heavy industrial use (e.g., automotive repair and wreckage facilities, filling stations and automobile scrap yards).

Review of regulatory agency databases identified fifteen, open New York Spills/Leaking Underground Storage Tanks (NY Spills/LTANKS) cases within one quarter-mile of the Subject Property that are considered RECs. Two of these facilities are also listed on the Petroleum Bulk Storage Database (PBS) and one is also listed on the Resource Conservation and Recovery Information System Generators/Transporters (RCRIS Gen/Trans) database.

The results of an environmental investigation (Berger, 2002) performed on the property to the southwest of the Subject Property identified elevated photo ionization detector (PID) measurements, petroleum staining, and olfactory evidence of petroleum contamination

present in the soils examined from one boring. Laboratory results of VOC and SVOC analysis in the soil and groundwater samples did not exceed the applicable regulatory guidance values and therefore it was concluded that the release(s) from the AST are limited in extent and are not impacting groundwater. Additionally, the metals and SVOCs detected in soil samples at concentrations that exceeded the applicable regulatory guidance values were concluded to be attributable to historic fill material present at the site. Similarly, the concentrations of metals present in the groundwater, some of which exceeded the applicable guidance values, were concluded to be due to the presence of sediment in the groundwater samples and not representative of dissolved concentrations.

Based on the findings of this Phase I ESA, the identified RECs would not preclude use of the Subject Property as the site of six new layup tracks necessary to accommodate an additional 11 trains to the No. 7 Subway fleet, which are proposed as part of the Proposed Action. Prior to construction of these tracks, it is recommended that a program of subsurface sampling and laboratory analysis be performed to determine if releases associated with the historical land uses, and open NY Spills/LTANKS cases have impacted soil and/or groundwater at the Subject Property, specifically in areas where construction activities are proposed.

Sample Letter to Property Owners



Metropolitan Transportation Authority

September 11, 2003

Property Owner
Street
City, State, Zip

Subject: New York County, Block__ Lot__
Authorization to Enter and Inspect

Dear Property Owner:

The Metropolitan Transportation Authority/New York City Transit (MTA NYCT) and the New York City Department of City Planning are considering project alternatives that would extend the Number 7 Subway from its current terminus at Seventh Avenue and 41st Street to the west side of Manhattan.

As part of the project, an Environmental Impact Statement assessing the full range of potential impacts is being prepared. Because of your property's location within the study area, we are seeking your assistance in gathering information for this study. We request your permission to allow NYCT personnel and our consultant to enter your premises to conduct a visual inspection and to speak with your designated representative regarding the use and historical development of the property. No digging or site disturbance will be necessary as part of this effort. It is probable that our personnel will need to take photographs of the property.

In order not to disrupt existing activities at the property, we will not visit during morning or evening rush hours, when your personnel will be devoted to serving patron needs. We propose to visit your property between the hours of 10:00 AM and 4:00 PM.

Due to the preparation schedule, our consultant will need to visit your property before September 30. Please contact Douglas Pierson from the consultant team at 212-363-4223 ext. 15 to arrange a visit date. If you do not reach Mr. Pierson in the next two weeks, he will contact you to make an appointment. If subsequent visits become necessary, you will be advised by telephone at least 48 hours in advance of our visit.

Thank you for your cooperation.

Sincerely,

Philip W. McGrade, PE
Program Manager
No. 7 Line Extension

**Summary of Total VOCs in Soil
Environmental Alignment Borings Investigation**

Table O.2-1

Sample ID	SB1-19-01	SB1-19-01 (dup)	SB1-20/(10-11)
Lab ID	0408-00037-001	0408-00037-002	0408-00150-002
Date Collected	7/31/04	7/31/04	8/7/04
Matrix	Soil	Soil	Soil
Sample Depth	6'-28'	6'-28'	10'-11'
Unit	ug/kg	ug/kg	ug/kg
1,1-Dichloroethane	19U	14U	11U
1,1,1-Trichloroethane	19U	14U	11U
1,1,2-Trichloroethane	19U	14U	11U
1,1,2,2-Tetrachloroethane	7.5U	5.5U	4.4U
1,1-Dichloroethylene	19U	14U	11U
1,2-Dichloroethane	19U	14U	11U
1,2-Dichloropropane	19U	14U	11U
1,2,4-Trimethylbenzene	19U	14U	9,680
1,3,5-Trimethylbenzene	19U	14U	4,030
2-Butanone	94U	69U	55U
2-Hexanone	94U	69U	55U
4-Methyl-2-Pentanone	94U	69U	55U
Acetone	94U	69U	55U
Benzene	57.5	77.0	2.2U
Bromodichloromethane	19U	14U	11U
Bromoform	19U	14U	11U
Bromomethane	19U	14U	11U
Carbon Disulfide	94U	69U	55U
Carbon Tetrachloride	19U	14U	11U
Chlorobenzene	19U	14U	11U
Chloroethane	19U	14U	11U
Chloroform	19U	14U	11U
Chloromethane	19U	14U	11U
cis-1,3-Dichloropropene	3.7U	2.7U	2.2U
Dibromochloromethane	19U	14U	11U
Ethylbenzene	19U	14U	43.1
Isopropylbenzene	19U	14U	53.8
Methyl-Tert-Butyl-Ether	19U	19.7	11U
Methylene Chloride	34.7B	24.8B	11U
Naphthalene	19U	14U	2,490
n-Butylbenzene	19U	14U	11U
n-Propylbenzene	19U	14U	65.2
sec-Butylbenzene	19U	14U	55.3
Styrene	19U	14U	11U
tert-Butylbenzene	19U	14U	11U
Tetrachloroethylene	19U	14U	11U
Toluene	19U	14U	83.2
O-Xylene	19U	14U	2,720
M & P Xylene	37U	27U	5,270
trans-1,2-Dichloroethylene	19U	14U	11U
trans-1,3-Dichloropropene	3.7U	2.7U	2.2U
Trichloroethylene	19U	14U	11U

NOTE:

ug/kg - micrograms per kilogram

U - Analyte not detected at method detection level

dup - denotes field duplicate of preceding sample (QA/QC)

B - Analyte detected in associated method blank

**Summary of Total VOCs in Soil
Environmental Alignment Borings Investigation**

Table O.2-1

Sample ID	SB1-19-01	SB1-19-01 (dup)	SB1-20/(10-11)
Lab ID	0408-00037-001	0408-00037-002	0408-00150-002
Date Collected	7/31/04	7/31/04	8/7/04
Matrix	Soil	Soil	Soil
Sample Depth	6'-28'	6'-28'	10'-11'
Unit	ug/kg	ug/kg	ug/kg
Vinyl Chloride	7.5U	5.5U	4.4U
Dichlorodifluoromethane	19U	14U	11U
Trichlorofluoromethane	19U	14U	11U
Acrolein	94U	69U	55U
Iodomethane	19U	14U	11U
Acrylonitrile	94U	69U	55U
Vinyl Acetate	94U	69U	55U
2,2-Dichloropropane	19U	14U	11U
cis-1,2-Dichloroethylene	19U	14U	11U
Bromochloromethane	19U	14U	11U
1,1-Dichloropropene	19U	14U	11U
2-Chloroethyl Vinyl Ether	94U	69U	55U
1,2-Dibromoethane	19U	14U	11U
1,3-Dichloropropane	19U	14U	11U
1,1,1,2-Tetrachloroethane	19U	14U	11U
1,2,3-Trichloropropane	19U	14U	11U
Bromobenzene	19U	14U	11U
2-Chlorotoluene	19U	14U	11U
4-Chlorotoluene	19U	14U	11U
4-Isopropyltoluene	19U	14U	102
1,2-Dichlorobenzene	7.5U	5.5U	4.4U
1,3-Dichlorobenzene	19U	14U	11U
1,4-Dichlorobenzene	19U	14U	11U
1,2-Dibromo-3-Chloropropane	19U	14U	11U
1,2,4-Trichlorobenzene	19U	14U	11U
Hexachlorobutadiene	19U	14U	11U
1,2,3-Trichlorobenzene	19U	14U	11U

NOTE:

ug/kg - micrograms per kilogram

U - Analyte not detected at method detection level

dup - denotes field duplicate of preceding sample (QA/QC)

B - Analyte detected in associated method blank

**Summary of Total VOCs in Soil
Environmental Alignment Borings Investigation**

Table O.2-1

Sample ID	SB1-20/(19-20)	SB1-20/(20-24)	SB1-27/(6-10.5)
Lab ID	0408-00150-003	0408-00150-004	0408-00150-001
Date Collected	8/7/04	8/7/04	8/7/04
Matrix	Soil	Soil	Soil
Sample Depth	19'-20'	20'-24'	6'-10.5'
Unit	ug/kg	ug/kg	ug/kg
1,1-Dichloroethane	12U	13U	10U
1,1,1-Trichloroethane	12U	13U	10U
1,1,2-Trichloroethane	12U	13U	10U
1,1,2,2-Tetrachloroethane	4.8U	5.3U	4.1U
1,1-Dichloroethylene	12U	13U	10U
1,2-Dichloroethane	12U	13U	10U
1,2-Dichloropropane	12U	13U	10U
1,2,4-Trimethylbenzene	63.1	13U	10U
1,3,5-Trimethylbenzene	22.6	13U	10U
2-Butanone	60U	66U	51U
2-Hexanone	60U	66U	51U
4-Methyl-2-Pentanone	60U	66U	51U
Acetone	60U	66U	51U
Benzene	5.64	2.6U	2.1U
Bromodichloromethane	12U	13U	10U
Bromoform	12U	13U	10U
Bromomethane	12U	13U	10U
Carbon Disulfide	60U	66U	51U
Carbon Tetrachloride	12U	13U	10U
Chlorobenzene	12U	13U	10U
Chloroethane	12U	13U	10U
Chloroform	12U	13U	10U
Chloromethane	12U	13U	10U
cis-1,3-Dichloropropene	2.4U	2.6U	2.1U
Dibromochloromethane	12U	13U	10U
Ethylbenzene	32.7	13U	10U
Isopropylbenzene	12U	13U	10U
Methyl-Tert-Butyl-Ether	12U	13U	10U
Methylene Chloride	12U	48.4B	10U
Naphthalene	12U	13U	10U
n-Butylbenzene	12U	13U	10U
n-Propylbenzene	12U	13U	10U
sec-Butylbenzene	12U	13U	10U
Styrene	12U	13U	10U
tert-Butylbenzene	12U	13U	10U
Tetrachloroethylene	12U	13U	10U
Toluene	68.2	13U	10U
O-Xylene	61.7	13U	10U
M & P Xylene	120	26U	21U
trans-1,2-Dichloroethylene	12U	13U	10U
trans-1,3-Dichloropropene	2.4U	2.6U	2.1U
Trichloroethylene	12U	13U	10U

NOTE:

ug/kg - micrograms per kilogram

U - Analyte not detected at method detection level

dup - denotes field duplicate of preceding sample (QA/QC)

B - Analyte detected in associated method blank

**Summary of Total VOCs in Soil
Environmental Alignment Borings Investigation**

Table O.2-1

Sample ID	SB1-20/(19-20)	SB1-20/(20-24)	SB1-27/(6-10.5)
Lab ID	0408-00150-003	0408-00150-004	0408-00150-001
Date Collected	8/7/04	8/7/04	8/7/04
Matrix	Soil	Soil	Soil
Sample Depth	19'-20'	20'-24'	6'-10.5'
Unit	ug/kg	ug/kg	ug/kg
Vinyl Chloride	4.8U	5.3U	4.1U
Dichlorodifluoromethane	12U	13U	10U
Trichlorofluoromethane	12U	13U	10U
Acrolein	60U	66U	51U
Iodomethane	12U	13U	10U
Acrylonitrile	60U	66U	51U
Vinyl Acetate	60U	66U	51U
2,2-Dichloropropane	12U	13U	10U
cis-1,2-Dichloroethylene	12U	13U	10U
Bromochloromethane	12U	13U	10U
1,1-Dichloropropene	12U	13U	10U
2-Chloroethyl Vinyl Ether	60U	66U	51U
1,2-Dibromoethane	12U	13U	10U
1,3-Dichloropropane	12U	13U	10U
1,1,1,2-Tetrachloroethane	12U	13U	10U
1,2,3-Trichloropropane	12U	13U	10U
Bromobenzene	12U	13U	10U
2-Chlorotoluene	12U	13U	10U
4-Chlorotoluene	12U	13U	10U
4-Isopropyltoluene	12U	13U	10U
1,2-Dichlorobenzene	4.8U	5.3U	4.1U
1,3-Dichlorobenzene	12U	13U	10U
1,4-Dichlorobenzene	12U	13U	10U
1,2-Dibromo-3-Chloropropane	12U	13U	10U
1,2,4-Trichlorobenzene	12U	13U	10U
Hexachlorobutadiene	12U	13U	10U
1,2,3-Trichlorobenzene	12U	13U	10U

NOTE:

ug/kg - micrograms per kilogram

U - Analyte not detected at method detection level

dup - denotes field duplicate of preceding sample (QA/QC)

B - Analyte detected in associated method blank

**Summary of Total SVOCs in Soil
Environmental Alignment Borings Investigation**

Table O.2-2

Sample ID	SB1-19-01	SB1-19-02 (dup)	SB1-20/(0-11)
Lab ID	0408-00037-001	0408-00037-002	0408-00150-002
Date Collected	7/31/04	7/31/04	8/7/04
Matrix	Soil	Soil	Soil
Sample Depth	6'-28'	6'-28'	0'-11'
Unit	ug/kg	ug/kg	ug/kg
1,2 Dichlorobenzene	940U	690U	530U
1,2,4 Trichlorobenzene	940U	690U	530U
1,3 Dichlorobenzene	940U	690U	530U
1,4 Dichlorobenzene	940U	690U	530U
2,2' Oxybis(1-Chloropropane)	1,900U	1,400U	1,100U
2,4 Dichlorophenol	940U	690U	530U
2,4 Dimethylphenol	1,900U	1,400U	1,100U
2,4 Dinitrophenol	940U	690U	530U
2,4 Dinitrotoluene	940U	690U	530U
2,4,5 Trichlorophenol	940U	690U	530U
2,4,6 Trichlorophenol	940U	690U	530U
2-Chloronaphthalene	940U	690U	530U
2-Chlorophenol	940U	690U	530U
2-Methyl Naphthalene	940U	690U	1440
2-Methylphenol	1,900U	1,400U	1,100U
2-Nitrophenol	1,900U	1,400U	1,100U
3,3' Dichlorobenzidine	3,800U	2700U	2,100U
4- Nitrophenol	1,900U	1,400U	1,100U
4,6 Dinitro-2-Methylphenol	1,900U	1,400U	1,100U
4-Bromophenyl Phenyl Ether	940U	690U	530U
4-Chloro-3-Methylphenol	940U	690U	530U
4-Chlorophenyl Phenyl Ether	940U	690U	530U
3&4-Methylphenol	3,800U	2,700U	2,100U
Acenaphthene	940U	690U	530U
Acenaphthylene	940U	690U	530U
Anthracene	940U	690U	530U

NOTE:

ug/kg- micrograms per kilogram

U - Analyte not detected at method detection level

dup - denotes field duplicate of preceeding sample

**Summary of Total SVOCs in Soil
Environmental Alignment Borings Investigation**

Table O.2-2

Sample ID	SB1-19-01	SB1-19-02 (dup)	SB1-20/(0-11)
Lab ID	0408-00037-001	0408-00037-002	0408-00150-002
Date Collected	7/31/04	7/31/04	8/7/04
Matrix	Soil	Soil	Soil
Sample Depth	6'-28'	6'-28'	0'-11'
Unit	ug/kg	ug/kg	ug/kg
Benzo (a) anthracene	380U	270U	210U
Benzo (a) pyrene	380U	270U	210U
Benzo (b, k) fluoranthene	760U	550U	430U
Benzo (g,h,i) perylene	380U	270U	210U
bis (2-Chloroethoxy) Methane	940U	690U	530U
bis (2-Ethylhexyl) Phthalate	940U	690U	530U
bis(2-Chloroethyl) Ether	940U	690U	530U
Butyl Benzyl Phthalate	940U	690U	530U
Chrysene	190U	140U	110U
Dibenzo (a,h) anthracene	190U	140U	110U
Diethylphthalate	940U	690U	530U
Dimethylphthalate	940U	690U	530U
Di-n-butylphthalate	940U	690U	530U
Di-n-octylphthalate	940U	690U	791
Fluoranthene	940U	690U	530U
Fluorene	940U	690U	530U
Hexachlorobenzene	380U	270U	210U
Hexachlorobutadiene	380U	270U	210U
Hexachlorocyclopentadiene	380U	270U	210U
Hexachloroethane	380U	270U	210U
Indeno (1,2,3-cd) Pyrene	380U	270U	210U
Isophorone	940U	690U	530U
Naphthalene	940U	690U	2,060
Nitrobenzene	940U	690U	530U
N-Nitroso-di-n-propylamine	940U	690U	530U
N-Nitrosodiphenylamine (1)	940U	690U	530U
Pentachlorophenol	940U	690U	530U
Phenathrene	940U	690U	530U
Phenol	940U	690U	530U
Pyrene	940U	690U	530U
Benzidine	9,400U	6,900U	5,300U

NOTE:

ug/kg- micrograms per kilogram

U - Analyte not detected at method detection level

dup - denotes field duplicate of preceeding sample (QA/QC)

**Summary of Total SVOCs in Soil
Environmental Alignment Borings Investigation**

Table O.2-2

Sample ID	SB1-20/(11-20)	SB1-20/(20-24)	SB1-27/(6-10.5)
Lab ID	0408-00150-003	0408-00150-004	0408-00150-001
Date Collected	8/7/04	8/7/04	8/7/04
Matrix	Soil	Soil	Soil
Sample Depth	11'-20'	20'-24'	6'-10.5'
Unit	ug/kg	ug/kg	ug/kg
1,2 Dichlorobenzene	610U	640U	570U
1,2,4 Trichlorobenzene	610U	640U	570U
1,3 Dichlorobenzene	610U	640U	570U
1,4 Dichlorobenzene	610U	640U	570U
2,2' Oxybis(1-Chloropropane)	1,200U	1,300U	1,100U
2,4 Dichlorophenol	610U	640U	570U
2,4 Dimethylphenol	1,200U	1,300U	1,100U
2,4 Dinitrophenol	610U	640U	570U
2,4 Dinitrotoluene	610U	640U	570U
2,4,5 Trichlorophenol	610U	640U	570U
2,4,6 Trichlorophenol	610U	640U	570U
2-Chloronaphthalene	610U	640U	570U
2-Chlorophenol	610U	640U	570U
2-Methyl Naphthalene	610U	640U	570U
2-Methylphenol	1,200U	1,300U	1,100U
2-Nitrophenol	1,200U	1,300U	1,100U
3,3' Dichlorobenzidine	2,400U	2,600U	2,300U
4- Nitrophenol	1,200U	1,300U	1,100U
4,6 Dinitro-2-Methylphenol	1,200U	1,300U	1,100U
4-Bromophenyl Phenyl Ether	610U	640U	570U
4-Chloro-3-Methylphenol	610U	640U	570U
4-Chlorophenyl Phenyl Ether	610U	640U	570U
3&4-Methylphenol	2,400U	2,600U	2,300U
Acenaphthene	610U	640U	570U
Acenaphthylene	610U	640U	570U
Anthracene	610U	640U	570U

NOTE:

ug/kg- micrograms per kilogram

U - Analyte not detected at method detection level

dup - denotes field duplicate of preceeding sample

**Summary of Total SVOCs in Soil
Environmental Alignment Borings Investigation**

Table O.2-2

Sample ID	SB1-20/(11-20)	SB1-20/(20-24)	SB1-27/(6-10.5)
Lab ID	0408-00150-003	0408-00150-004	0408-00150-001
Date Collected	8/7/04	8/7/04	8/7/04
Matrix	Soil	Soil	Soil
Sample Depth	11'-20'	20'-24'	6'-10.5'
Unit	ug/kg	ug/kg	ug/kg
Benzo (a) anthracene	240U	260U	230U
Benzo (a) pyrene	240U	260U	230U
Benzo (b, k) fluoranthene	490U	510U	460U
Benzo (g,h,i) perylene	240U	260U	230U
bis (2-Chloroethoxy) Methane	610U	640U	570U
bis (2-Ethylhexyl) Phthalate	610U	640U	570U
bis(2-Chloroethyl) Ether	610U	640U	570U
Butyl Benzyl Phthalate	610U	640U	570U
Chrysene	120U	130U	110U
Dibenzo (a,h) anthracene	120U	130U	110U
Diethylphthalate	610U	640U	570U
Dimethylphthalate	610U	640U	570U
Di-n-butylphthalate	610U	640U	570U
Di-n-octylphthalate	610U	640U	570U
Fluoranthene	610U	640U	570U
Fluorene	610U	640U	570U
Hexachlorobenzene	240U	260U	230U
Hexachlorobutadiene	240U	260U	230U
Hexachlorocyclopentadiene	240U	260U	230U
Hexachloroethane	240U	260U	230U
Indeno (1,2,3-cd) Pyrene	240U	260U	230U
Isophorone	610U	640U	570U
Naphthalene	610U	640U	570U
Nitrobenzene	610U	640U	570U
N-Nitroso-di-n-propylamine	610U	640U	570U
N-Nitrosodiphenylamine (1)	610U	640U	570U
Pentachlorophenol	610U	640U	570U
Phenathrene	610U	640U	570U
Phenol	610U	640U	570U
Pyrene	610U	640U	570U
Benzidine	6,100U	6,400U	5,700U

NOTE:

ug/kg- micrograms per kilogram

U - Analyte not detected at method detection level

dup - denotes field duplicate of preceeding sample (QA/QC)

**Summary of Total Metals in Soil
Environmental Alignment Borings Investigation**

Table O.2-3

Sample ID	SB1-19-01	SB1-19-02 (dup)	SB1-20/(0-11)
Lab ID	0408-00037-001	0408-00037-002	0408-00150-002
Date Collected	7/31/04	7/31/04	8/7/04
Matrix	Soil	Soil	Soil
Sample Depth	6'-28'	6'-28'	0'-11'
Unit	mg/kg	mg/kg	mg/kg
Antimony	3.37U	2.75U	2.16U
Arsenic	5.9	3.87	2.36
Beryllium	0.679	0.413U	0.324U
Cadmium	0.505U	0.413U	0.400
Chromium	25.1	14.9	30.9
Copper	26.1	18.3	42.8
Cyanide	0.442	0.053	0.2U
Lead*	19.3	15.5	47.2
Mercury	0.06U	0.05U	0.10
Nickel	21.2	13.6	15.4
Selenium	3.37U	2.75U	2.16U
Silver	0.505U	0.413U	1.10
Thallium	3.37U	2.75U	2.16U
Zinc	54.4	39.0	67.1

NOTE:

mg/kg - milligrams per kilogram

U - Analyte not detected at method detection level

dup - denotes field duplicate of preceeding sample (QA/QC)

**Summary of Total Metals in Soil
Environmental Alignment Borings Investigation**

Table O.2-3

Sample ID	SB1-20/(11-20)	SB1-20/(20-24)	SB1-27/(6-10.5)
Lab ID	0408-00150-003	0408-00150-004	0408-00150-001
Date Collected	8/7/04	8/7/04	8/7/04
Matrix	Soil	Soil	Soil
Sample Depth	11'-20'	20'-24'	6'-10.5'
Unit	mg/kg	mg/kg	mg/kg
Antimony	2.52U	2.39U	2.19U
Arsenic	2.73	2.12	3.03
Beryllium	0.537	0.359U	0.332
Cadmium	0.378U	0.359U	0.537
Chromium	15.2	12.5	18.8
Copper	18.9	7.82	28.3
Cyanide	0.2U	0.2U	0.2U
Lead*	43.4	4.52	84.7
Mercury	0.09	0.05U	0.10
Nickel	11.7	10.6	22.0
Selenium	2.52U	2.39U	2.19U
Silver	0.688	0.526	0.671
Thallium	2.52U	2.39U	2.19U
Zinc	31.3	20.6	92.3

NOTE:

mg/kg - miligrams per kilogram

U - Analyte not detected at method detection level

dup - denotes field duplicate of preceeding sample (QA/QC)

**Summary of Total PCBs in Soil
Environmental Alignment Borings Investigation**

Table O.2-4

Sample ID	SB1-19-01	SB1-19-02 (dup)	SB1-20/(0-11)
Lab ID	0408-00037-001	0408-00037-002	0408-00150-002
Date Collected	7/31/04	7/31/04	8/7/04
Matrix	Soil	Soil	Soil
Sample Depth	6'-28'	6'-28'	0'-11'
Unit	ug/kg	ug/kg	ug/kg
Aroclor-1016	178U	129U	110U
Aroclor-1221	178U	129U	110U
Aroclor-1232	178U	129U	110U
Aroclor-1242	178U	129U	110U
Aroclor-1248	178U	129U	110U
Aroclor-1254	178U	129U	110U
Aroclor-1260	178U	129U	110U

NOTE:

ug/kg - micrograms per kilogram

U - Analyte not detected at method detection level

dup - denotes field duplicate of preceding sample (QA/QC)

**Summary of Total PCBs in Soil
Environmental Alignment Borings Investigation**

Table O.2-4

Sample ID	SB1-20/(11-20)	SB1-20/(20-24)	SB1-27/(6-10.5)
Lab ID	0408-00150-003	0408-00150-004	0408-00150-001
Date Collected	8/7/04	8/7/04	8/7/04
Matrix	Soil	Soil	Soil
Sample Depth	11'-20'	20'-24'	6'-10.5'
Unit	ug/kg	ug/kg	ug/kg
Aroclor-1016	119U	131U	110U
Aroclor-1221	119U	131U	110U
Aroclor-1232	119U	131U	110U
Aroclor-1242	119U	131U	110U
Aroclor-1248	119U	131U	110U
Aroclor-1254	119U	131U	110U
Aroclor-1260	119U	131U	110U

NOTE:

ug/kg - micrograms per kilogram

U - Analyte not detected at method detection level

dup - denotes field duplicate of preceding sample (QA/QC)

**Summary of Total Pesticides in Soil
Environmental Alignment Borings Investigation**

Table O.2-5

Sample ID	SB1-19-01	SB1-19-02 (dup)	SB1-20/(0-11)
Lab ID	0408-00037-001	0408-00037-002	0408-00150-002
Date Collected	7/31/04	7/31/04	8/7/04
Matrix	Soil	Soil	Soil
Sample Depth	6'-28'	6'-28'	0'-11'
Unit	ug/kg	ug/kg	ug/kg
Aldrin	9U	6U	5U
alpha-BHC	9U	6U	5U
beta-BHC	9U	6U	5U
delta-BHC	9U	6U	5U
Chlordane	178U	129U	110U
4,4'-DDD	9U	6U	5U
4,4'-DDE	9U	6U	5U
4,4'-DDT	9U	6U	5U
Dieldrin	9U	6U	5U
Endosulfan I	9U	6U	5U
Endosulfan II	9U	6U	5U
Endosulfan Sulfate	9U	6U	5U
Endrin	9U	6U	5U
Endrin Aldehyde	9U	6U	5U
Endrin Keytone	9U	6U	5U
gamma-BHC (Lindane)	9U	6U	5U
Heptachlor	9U	6U	5U
Heptachlor Epoxide	9U	6U	5U
Methoxyxhlor	9U	6U	5U
Toxaphene	178U	129U	110U
2,4,5-T	9U	6U	5U

NOTE:

ug/kg - micrograms per kilogram

U- Analyte not detected at method detection limit

dup - denotes field duplicate of preceeding sample (QA/QC)

**Summary of Total Pesticides in Soil
Environmental Alignment Borings Investigation**

Table O.2-5

Sample ID	SB1-20/(11-20)	SB1-20/(20-24)	SB1-27/(6-10.5)
Lab ID	0408-00150-003	0408-00150-004	0408-00150-001
Date Collected	8/7/04	8/7/04	8/7/04
Matrix	Soil	Soil	Soil
Sample Depth	11'-20'	20'-24'	6'-10.5'
Unit	ug/kg	ug/kg	ug/kg
Aldrin	6U	7U	5U
alpha-BHC	6U	7U	5U
beta-BHC	6U	7U	5U
delta-BHC	6U	7U	5U
Chlordane	119U	131U	110U
4,4'-DDD	6U	7U	5U
4,4'-DDE	6U	7U	5U
4,4'-DDT	6U	7U	5U
Dieldrin	6U	7U	5U
Endosulfan I	6U	7U	5U
Endosulfan II	6U	7U	5U
Endosulfan Sulfate	6U	7U	5U
Endrin	6U	7U	5U
Endrin Aldehyde	6U	7U	5U
Endrin Keytone	6U	7U	5U
gamma-BHC (Lindane)	6U	7U	5U
Heptachlor	6U	7U	5U
Heptachlor Epoxide	6U	7U	5U
Methoxyxhlor	6U	7U	5U
Toxaphene	119U	131U	110U
2,4,5-T	6U	7U	5U

NOTE:

ug/kg - micrograms per kilogram

U- Analyte not detected at method detection limit

dup - denotes field duplicate of preceeding sample (QA/QC)

**Summary of RCRA Characteristics in Soil
Environmental Alignment Borings Investigation**

Table O.2-6

Sample ID	SB1-19-01	SB1-19-02 (dup)	SB1-20/(0-11)
Lab ID	0408-00037-001	0408-00037-002	0408-00150-002
Date Collected	7/31/04	7/31/04	8/7/04
Matrix	Soil	Soil	Soil
Sample Depth	6'-28'	6'-28'	0'-11'
<i>Ignitability Characteristic</i>			
Flash Point (F)	>212	>212	108
<i>Reactivity Characteristic</i>			
Reactive Cyanide (mg/kg)	0.03U	0.03U	0.11
Reactive Sulfide (mg/kg)	10.5	7.3	0.25U
<i>Corrosivity Characteristic</i>			
pH	8.43	8.47	7.95

NOTE:

mg/kg - milligrams per kilogram

U - Analyte not detected at method detection limit

F - Degrees Fahrenheit

dup - denotes field duplicate of preceeding sample

**Summary of RCRA Characteristics in Soil
Environmental Alignment Borings Investigation**

Table O.2-6

Sample ID	SB1-20/(11-20)	SB1-20/(20-24)	SB1-27/(6-10.5)
Lab ID	0408-00150-003	0408-00150-004	0408-00150-001
Date Collected	8/7/04	8/7/04	8/7/04
Matrix	Soil	Soil	Soil
Sample Depth	11'-20'	20'-24'	6'-10.5'
<i>Ignitability Characteristic</i>			
Flash Point (F)	>212	>212	>212
<i>Reactivity Characteristic</i>			
Reactive Cyanide (mg/kg)	0.13	0.14	0.13
Reactive Sulfide (mg/kg)	2.56	0.41	0.34
<i>Corrosivity Characteristic</i>			
pH	7.37	8.35	10.46

NOTE:

mg/kg - milligrams per kilogram

U - Analyte not detected at method detection limit

F - Degrees Fahrenheit

dup - denotes field duplicate of preceeding sample

**Summary of Total VOCs in Soil
Site A Investigation**

Table O.2-7

Sample ID	PE-32	S-2	S-1	S-4
Lab ID	001	002	003	004
Date Collected	2/18/04	2/18/04	2/19/04	2/19/04
Matrix	Soil	Soil	Soil	Soil
Sample Depth	0-11'	5-11'	5-11'	5-11'
Unit	ug/kg	ug/kg	ug/kg	ug/kg
1,1 Dichloroethane	11U	13U	10U	12U
1,1,1-Trichloroethane	11U	13U	10U	12U
1,1,2 Trichloroethane	11U	13U	10U	12U
1,1,2,2,Tetrachloroethane	11U	13U	10U	12U
1,1-Dichloroethylene	11U	13U	10U	12U
1,2 Dichloroethane	11U	13U	10U	12U
1,2 Dichloropropane	11U	13U	10U	12U
2-Butanone	11U	13U	10U	12U
2-Hexanone	11U	13U	10U	12U
4-Methyl-2-pentanone	11U	13U	10U	12U
Acetone	52	68	39	12U
Benzene	11U	13U	10U	12U
Bromodichloromethane	11U	13U	10U	12U
Bromoform	11U	13U	10U	12U
Bromomethane	11U	13U	10U	12U
Carbon Disulfide	11U	13U	10U	12U
Carbon Tetrachloride	11U	13U	10U	12U
Chlorobenzene	11U	13U	10U	12U
Chloroethane	11U	13U	10U	12U
Chloroform	11U	13U	10U	12U
Chloromethane	11U	13U	10U	12U
cis-1,2 Dichloroethene	11U	13U	10U	12U
cis-1,3 Dichloropropene	11U	13U	10U	12U
Dibromochloromethane	11U	13U	10U	12U
Ethylbenzene	11U	13U	10U	12U
Methylene Chloride	10JB	14B	6JB	7JB
Styrene	11U	13U	10U	12U
Tetrachloroethylene	11U	13U	10U	12U
Toluene	11U	13U	10U	12U
Total Xylene	11U	13U	10U	12U
trans-1,2 Dichloroethene	11U	13U	10U	12U
trans-1,3-Dichloropropene	11U	13U	10U	12U
Trichloroethylene	11U	13U	10U	12U
Vinyl Chloride	11U	13U	10U	12U

NOTE:

ug/kg - micrograms per kilogram

U - Analyte not detected at method detection level

**Summary of Total SVOCs in Soil
Site A Investigation**

Table O.2-8

Sample ID	PE-32	S-2	S-1	S-4
Lab ID	001	002	003	004
Date Collected	2/18/04	2/18/04	2/19/04	2/19/04
Matrix	Soil	Soil	Soil	Soil
Sample Depth	0-11'	5-11'	5-11'	5-11'
Unit	ug/kg	ug/kg	ug/kg	ug/kg
1,2 Dichlorobenzene	1,800U	410U	340U	400U
1,2,4 Trichlorobenzene	1,800U	410U	340U	400U
1,3 Dichlorobenzene	1,800U	410U	340U	400U
1,4 Dichlorobenzene	1,800U	410U	340U	400U
2,2' Oxybis(1-Chloropropane)	1,800U	410U	340U	400U
2,4 Dichlorophenol	1,800U	410U	340U	400U
2,4 Dimethylphenol	1,800U	410U	340U	400U
2,4 Dinitrophenol	1,800U	1,000U	850U	1,000U
2,4 Dinitrotoluene	1,800U	410U	340U	400U
2,4,5 Trichlorophenol	1,800U	1,000U	850U	1,000U
2,4,6 Trichlorophenol	1,800U	410U	340U	400U
2,6 Dinitrotoluene	1,800U	410U	340U	400U
2-Chloronaphthalene	1,800U	410U	340U	400U
2-Chlorophenol	1,800U	410U	340U	400U
2-Methyl Naphthalene	1,800U	410U	340U	400U
2-Methylphenol	1,800U	410U	340U	400U
2-Nitroaniline	1,800U	1,000U	850U	1,000U
2-Nitrophenol	1,800U	410U	340U	400U
3,3' Dichlorobenzidine	1,800U	410U	340U	400U
3-Nitroaniline	1,800U	1,000U	850U	1,000U
4- Nitrophenol	1,800U	1,000U	850U	1,000U
4,6 Dinitro-2-Methylphenol	1,800U	1,000U	850U	1,000U
4-Bromophenyl-phenylether	1,800U	410U	340U	400U
4-Chloro-3-Methylphenol	1,800U	410U	340U	400U
4-Chloroaniline	1,800U	410U	340U	400U
4-Chlorophenyl-phenylether	1,800U	410U	340U	400U
3&4-Methylphenol	1,800U	410U	340U	400U
4-Nitroaniline	1,800U	1,000U	850U	1,000U
Acenaphthene	820J	410U	340U	400U
Acenaphthylene	1,800U	410U	340U	400U
Anthracene	1,700J	410U	340U	400U

NOTE:

ug/kg- micrograms per kilogram

U - Analyte not detected at method detection level

J - Analyte detected below the quantitation limits

**Summary of Total SVOCs in Soil
Site A Investigation**

Table O.2-8

Sample ID	PE-32	S-2	S-1	S-4
Lab ID	001	002	003	004
Date Collected	2/18/04	2/18/04	2/19/04	2/19/04
Matrix	Soil	Soil	Soil	Soil
Sample Depth	0-11'	5-11'	5-11'	5-11'
Unit	ug/kg	ug/kg	ug/kg	ug/kg
Benzo (a) anthracene	2,100	410U	100J	400U
Benzo (a) pyrene	1,600J	410U	340U	400U
Benzo (b, k) fluoranthene	3,000J	820U	160J	800U
Benzo (g,h,i) perylene	1,800U	410U	340U	400U
bis (2-Chloroethoxy) Methane	1,800U	410U	340U	400U
bis (2-Ethylhexyl)phthalate	1,800U	410U	340U	400U
bis(2-Chloroethyl) Ether	1,800U	410U	340U	400U
Butylbenzylphthalate	1,800U	410U	340U	400U
Carbazole	560J	410U	340U	400U
Chrysene	2,200	410U	100J	400U
Dibenzo (a,h) anthracene	1,800U	410U	340U	400U
Dibenzofuran	610J	410U	340U	400U
Diethylphthalate	1,800U	410U	340U	400U
Dimethylphthalate	1,800U	410U	340U	400U
Di-n-butylphthalate	1,800U	86JB	83JB	400U
Di-n-octylphthalate	1,800U	410U	340U	400U
Fluoranthene	3,600	410U	180J	400U
Fluorene	800J	410U	340U	400U
Hexachlorobenzene	1,800U	410U	340U	400U
Hexachlorobutadiene	1,800U	410U	340U	400U
Hexachlorocyclopentadiene	1,800U	410U	340U	400U
Hexachloroethane	1,800U	410U	340U	400U
Indeno (1,2,3-cd) pyrene	1,000J	410U	340U	400U
Isophorone	1,800U	410U	340U	400U
Naphthalene	1,800U	410U	340U	400U
Nitrobenzene	1,800U	410U	340U	400U
N-Nitroso-di-n-propylamine	1,800U	410U	340U	400U
N-Nitrosodiphenylamine (1)	1,800U	410U	340U	400U
Pentachlorophenol	4,600U	1,000U	850U	1,000U
Phenathrene	6,200	410U	180J	400U
Phenol	1,800U	410U	340U	400U
Pyrene	3,900	410U	170J	400U

NOTE:

ug/kg- micrograms per kilogram

U - Analyte not detected at method detection level

J - Analyte detected below the quantitation limits

**Table 1 - Summary of STARS VOCs in Soil
Site A Investigation**

Table 0.2-9

Sample ID	S-5*
Lab ID	005
Date Collected	2/19/04
Matrix	Soil
Sample Depth	7-9'
Unit	ug/kg
1,2,4-Trimethylbenzene	28U
1,3,5-Trimethylbenzene	28U
Benzene	28U
Ethylbenzene	28U
Isopropylbenzene	28U
Naphthalene	97
n-Butylbenzene	28U
n-Propylbenzene	28U
p-Isopropyltoluene	28U
sec-Butylbenzene	28U
tert-Butylbenzene	28U
Toluene	28U
o-xylene	28U
m,p-xylene	28U
Xylene (total)	28U
Methylt-butyl ether (MTBE)	28U

NOTE:

ug/kg - micrograms per kilogram

U - Analyte not detected at method detection level

**Table 2 - Summary of STARS SVOCs in Soil
Site A Investigation**

Table O.2-10

Sample ID	S-5
Lab ID	005
Date Collected	2/19/04
Matrix	Soil
Sample Depth	7-9'
Analyte	ug/kg
Acenaphthene	520U
Anthracene	520U
Benzo(a)anthracene	210U
Benzo(a)pyrene	210U
Benzo(b)fluoranthene	420U
Benzo(g,h,i)perylene	210U
Benzo(k)fluoranthene	420U
Chrysene	210U
Dibenzo(a,h)anthracene	100U
Fluoranthene	520U
Fluorene	520U
Indeno(1,2,3-cd)pyrene	210U
Phenanthrene	520U
Pyrene	520U

NOTE:

ug/kg - micrograms per kilogram

U - Analyte not detected at method detection level

J - Values detected below the quantitation limit

**Summary of Total Metals in Soil
Site A Investigation**

Table O.2-11

Sample ID	PE-32, 0-11'	S-2, 5-11'	S-1, 5-11'	S-4, 5-11'
Lab ID	001	002	003	004
Date Collected	2/18/04	2/19/04	2/19/04	2/19/04
Matrix	Soil	Soil	Soil	Soil
Sample Depth	0-11'	5-11'	5-11'	5-11'
Unit	mg/kg	mg/kg	mg/kg	mg/kg
Antimony	2.03 U	2.47 U	2.03 U	2.33 U
Arsenic	4.57	2.84	2.53	3.13
Beryllium	0.305 U	0.371 U	0.343	0.349 U
Cadmium	0.305 U	0.371 U	0.035 U	0.349 U
Chromium	11.1	12.4	14.6	12
Copper	25.5	213	25.8	73
Lead*	67	1190	61.1	93.7
Mercury	0.22	0.110	0.16	0.12
Nickel	10.8	14.4	13.2	16.7
Selenium	2.05 B	2.47 U	2.03 U	2.33 U
Silver	0.035 U	0.371 U	0.305 U	0.349 U
Thallium	1.91 U	2.5 U	2.09 U	2.33 U
Zinc	64.7	52.8	44.4	76

NOTE:

mg/kg - milligrams per kilogram

B - Analyte detected in the associated method blank

U - Analyte not detected at method detection level

**Summary of Total PCBs in Soil
Site A Investigation**

Table O.2-12

Sample ID	PE-32, 0'-11'	S-2, 5-11'	S-1, 5-11'	S-4, 5-11'
Lab ID	001	002	003	004
Date Collected	2/18/04	2/19/04	2/18/04	2/18/04
Matrix	Soil	Soil	Soil	Soil
Sample Depth	0-11'	5-11'	5-11'	5-11'
Unit	ug/kg	ug/kg	ug/kg	ug/kg
Aroclor-1016	180 U	41 U	34 U	38 U
Aroclor-1221	360 U	82 U	69 U	78 U
Aroclor-1232	180 U	41 U	34 U	38 U
Aroclor-1242	180 U	41 U	34 U	38 U
Aroclor-1248	180 U	41 U	34 U	38 U
Aroclor-1254	180 U	41 U	34 U	38 U
Aroclor-1260	180 U	41 U	34 U	38 U

NOTE:

ug/kg - micrograms per kilogram

U - Analyte not detected at method detection level

**Summary of RCRA Characteristics
Site A Investigation**

Table O.2-13

Sample ID	PE-32, 0'-11'	S-2, 5-11'	S-1, 5-11'	S-4, 5-11'
Lab ID	001	002	003	004
Date Collected	2/18/04	2/18/04	2/19/04	2/19/04
Matrix	Soil	Soil	Soil	Soil
Sample Depth	0-11'	5-11'	5-11'	5-11'
Unit	mg/L	mg/L	mg/L	mg/L
Ignitability Characteristic				
Flash Point (F)	>212	>212	>212	>212
Reactivity Characteristic				
Reactive Cyanide (mg/kg)	0.03U	0.03U	0.03U	0.03U
Reactive Sulfide (mg/kg)	1.34	0.49	0.25	1.19
pH	11.28	9.18	8.95	8.92
Metals				
Arsenic	1U	1U	1U	1U
Barium	10U	10U	10U	10U
Cadmium	0.1U	0.1U	0.1U	0.1U
Chromium	0.5U	1.2	0.5U	0.5U
Lead	0.5U	0.5U	0.5U	0.5U
Mercury	0.02U	0.02U	0.02U	0.02U
Selenium	1U	1U	1U	1U
Silver	0.1U	0.1U	0.1U	0.1U
Volatile Organic Compounds				
1,1 Dichloroethane	5 U	5 U	5 U	5 U
1,2 Dichloroethane	5 U	5 U	5 U	5 U
2-Butanone	25 U	25 U	25 U	25 U
Benzene	1 U	1 U	1 U	1 U
Carbon Tetrachloride	5 U	5 U	5 U	5 U
Chlorobenzene	5 U	5 U	5 U	5 U
Chloroform	10 U	10 U	10 U	10 U
Tetrachloroethylene	5 U	5 U	5 U	5 U
Trichloroethylene	5 U	5 U	5 U	5 U
Vinyl Chloride	2 U	2 U	2 U	2 U
Semi Volatile Organic Compounds				
1,4 Dichlorobenzene	25 U	25 U	25 U	25 U
2,4 Dinitrotoluene	25 U	25 U	25 U	25 U
2,4,5 Trichlorophenol	25 U	25 U	25 U	25 U
2,4,6 Trichlorophenol	25 U	25 U	25 U	25 U
2-Methylphenol	50 U	50 U	50 U	50 U
3&4-Methylphenol	100 U	100 U	100 U	100 U
Hexachlorobenzene	10 U	10 U	10 U	10 U
Hexachloro-1,3-butadiene	10 U	10 U	10 U	10 U
Hexachloroethane	10 U	10 U	10 U	10 U
Nitrobenzene	25 U	25 U	25 U	25 U
Pentachlorophenol	25 U	25 U	25 U	25 U
Pyridine	25 U	25 U	25 U	25 U
Pesticides				
gamma-BHC	0.3 U	0.3 U	0.3 U	0.3 U
Heptachlor	0.3 U	0.3 U	0.3 U	0.3 U
Heptachlor Epoxide	0.3 U	0.3 U	0.3 U	0.3 U
Endrin	0.3 U	0.3 U	0.3 U	0.3 U
Methoxyxhlor	0.3 U	0.3 U	0.3 U	0.3 U
Chlordane	5 U	5 U	5 U	5 U
Toxaphene	5 U	5 U	5 U	5 U
Herbicides				
2,4 D	5.0 U	5.0 U	5.0 U	5.0 U
2,4,5 TP (Silvex)	1.00 U	1.00 U	1.00 U	1.00 U

NOTE:

mg/L - milligrams per liter

mg/kg - milligrams per kilogram

U - Analyte not detected at method detection limit

F - Degrees Fahrenheit

**Summary of Total VOCs in Groundwater
Site A Investigation**

Table O.2-14

Sample ID Lab ID Date Collected Matrix Unit	S-2, GW 007 2/19/04 Water ug/L	S-12, GW (dup) 008 2/19/04 Water ug/L
1,1 Dichloroethane	10 U	10 U
1,1,1-Trichloroethane	10 U	10 U
1,1,2 Trichloroethane	10 U	10 U
1,1-Dichloroethene	10 U	10 U
1,2 Dichloroethane	10 U	10 U
1,2 Dichloropropane	10 U	10 U
2-Butanone	10 U	10 U
2-Hexanone	10 U	10 U
4-Methyl-2-pentanone	10 U	10 U
Acetone	10 U	10 U
Benzene	10 U	10 U
Bromodichloromethane	10 U	10 U
Bromoform	10 U	10 U
Bromomethane	10 U	10 U
Carbon Disulfide	10 U	10 U
Carbon Tetrachloride	10 U	10 U
Chloroform	10 U	10 U
Chloromethane	10 U	10 U
cis-1,2 Dichloroethene	10 U	10 U
cis-1,2 Dichloropropene	10 U	10 U
Dibromochloromethane	10 U	10 U
Ethylbenzene	10 U	10 U
Methylene Chloride	2 JB	2 JB
Styrene	10 U	10 U
Tetrachloroethene	10 U	10 U
Toluene	10 U	10 U
Total Xylene	10 U	10 U
trans-1,2 Dichloroethene	10 U	10 U
trans-1,3-dichloropropene	10 U	10 U
Trichloroethene	10 U	10 U
Vinyl Chloride	10 U	10 U

NOTE:

ug/L- micrograms per liter

U- Parameter not detected at method detection level

dup - denotes field duplicate of preceding sample (QA/QC)

J - Analyte detected below the quantitation limits

B - Analyte detected in associated method blank

**Summary of Total SVOCs in Groundwater
Site A Investigation**

Table O.2-15

Sample ID	S-2, GW	S-12, GW (dup)
Lab ID	009	010
Date Collected	2/19/04	2/19/04
Matrix	Water	Water
Unit	ug/L	ug/L
1,2 Dichlorobenzene	11 U	12 U
1,2,4 Trichlorobenzene	11 U	12 U
1,3 Dichlorobenzene	11 U	12 U
1,4 Dichlorobenzene	11 U	12 U
2,2' Oxybis(1-Chloropropane)	11 U	12 U
2,4 Dichlorophenol	11 U	12 U
2,4 Dimethylphenol	11 U	12 U
2,4 Dinitrophenol	27 U	30 U
2,4 Dinitrotoluene	11 U	12 U
2,4,5 Trichlorophenol	27 U	30 U
2,4,6 Trichlorophenol	11 U	12 U
2,6 Dinitrotoluene	11 U	12 U
2-Chloronaphthalene	11 U	12 U
2-Chlorophenol	11 U	12 U
2-Methylnaphthalene	11 U	12 U
2-Methylphenol	11 U	12 U
2-Nitroaniline	27 U	30 U
2-Nitrophenol	11 U	12 U
3,3' Dichlorobenzidine	11 U	12 U
3-Nitroaniline	27 U	30 U
4- Nitrophenol	27 U	30 U
4,6 Dinitro-2-Methylphenol	27 U	30 U
4-Bromophenyl-phenylether	11 U	12 U
4-Chloro-3-Methylphenol	11 U	12 U
4-Chloroaniline	11 U	12 U
4-Chlorophenyl-phenylether	11 U	12 U
3&4-Methylphenol	11 U	12 U
4-Nitroaniline	27 U	30 U
Acenaphthene	3 J	2 J
Acenaphthylene	11 U	12 U
Anthracene	11 U	3 J

NOTE:

ug/L- micrograms per liter

J- Analyte detected below the quantitation limits

U- Parameter not detected at method detection level

dup - denotes field duplicate of preceeding sample (QA/QC)

**Summary of Total SVOCs in Groundwater
Site A Investigation**

Table O.2-15

Sample ID	S-2, GW	S-12, GW
Lab ID	009	010
Date Collected	2/19/04	2/19/04
Matrix	Water	Water
Unit	ug/L	ug/L
Benzo (a) anthracene	11 U	3 J
Benzo (a) pyrene	11 U	10 U
Benzo (b,k) fluoranthene	21 U	24 U
Benzo (g,h,i) perylene	11 U	10 U
bis (2-Chloroethoxy) Methane	11 U	10 U
bis (2-Ethylhexyl)phthalate	11 U	12 U
bis(2-Chloroethyl) Ether	11 U	10 U
Butylbenzylphthalate	11 U	10 U
Carbazole	3 J	10 U
Chrysene	11 U	4 J
Dibenzo (a,h) anthracene	11 U	10 U
Dibenzofuran	11 U	10 U
Diethylphthalate	11 U	10 U
Dimethylphthalate	11 U	10 U
Di-n-butylphthalate	11 U	10 U
Di-n-octylphthalate	11 U	10 U
Fluorene	2 J	2 J
Fluoranthene	3 J	8 J
Hexachlorobenzene	11 U	10 U
Hexachlorobutadiene	11 U	10 U
Hexachlorocyclopentadiene	11 U	10 U
Hexachloroethane	11 U	10 U
Indeno (1,2,3-cd) pyrene	11 U	10 U
Isophorone	11 U	10 U
Naphthalene	5 J	10 U
Nitrobenzene	11 U	10 U
N-Nitroso-di-n-propylamine	11 U	10 U
N-Nitrosodiphenylamine (1)	11 U	10 U
Pentachlorophenol	27 U	20 U
Phenanthrene	7 J	11 J
Phenol	11 U	10 U
Pyrene	3 J	8 J

NOTE:

ug/L- micrograms per liter

J- Analyte detected below the quantitation limits

U- Parameter not detected at method detection level

dup - denotes field duplicate of preceding sample (QA/QC)

**Summary of Total Metals in Groundwater
Site A Investigation**

Table O.2-16

Sample ID	S-2, GW	S-12, GW (dup)
Lab ID	013	014
Date Collected	2/19/04	2/19/04
Matrix	Water	Water
Unit	mg/L	mg/L
Metals - Compound Name		
Cadmium	0.005 U	0.005 U
Chromium	0.736	2.6
Copper	11.4	48.3
Lead	10.2	33.5
Mercury	0.00552	0.03160
Nickel	0.643	2.340
Zinc	4.27	13.10

NOTE:

mg/L- milligrams per liter

U- Analyte not detected at method detection level

dup - denotes field duplicate of preceding sample (QA/QC)

**Summary of Total PCBs in Groundwater
Site A Investigation**

Table O.2-17

Sample ID	S-2, GW	S-12, GW (dup)
Lab ID	011	012
Date Collected	2/19/04	2/19/04
Matrix	Water	Water
Unit	ug/L	ug/L
Aroclor-1016	0.065 U	0.065 U
Aroclor-1221	0.065 U	0.065 U
Aroclor-1232	0.065 U	0.065 U
Aroclor-1242	0.065 U	0.065 U
Aroclor-1248	0.065 U	0.065 U
Aroclor-1254	0.065 U	0.065 U
Aroclor-1260	0.065 U	0.065 U
Aroclor-1262	0.065 U	0.065 U

NOTE:

ug/L- micrograms per liter

U- Parameter not detected at method detection level

dup - denotes field duplicate of preceding sample (QA/QC)

**Summary of NYCDEP Limitations
for Effluent to Sanitary or Combined Sewers
Site A Investigation**

Table O.2-18

Sample ID	S-2, GW	S-12, GW (dup)
Lab ID	015/017	016/018
Date Collected	2/19/04	2/19/04
Matrix	Water	Water
Groundwater Characteristics		
pH	7.09	7.2
Flash Point (F)	>212	>212
Compounds (ug/L)		
Benzene	10U	10U
Ethylbenzene	10U	10U
Toluene	10U	10U
Xylenes (Total)	10U	10U
Cadmium	5U	5U
Chromium (VI)	0.01U	0.01U
Copper	11.4	48.3
Lead	10.2	33.5
Mercury	0.00552	0.03160
Nickel	0.643	2.34
Zinc	4.27	13.1
PCBs	1U	1U
Perc (Tetrachloroethene)	10U	10U
MTBE (Methyl-tert-butyl-ether)	NA	NA
Naphthalene	5J	10U

NOTE:

U- Parameter not detected at method detection level

F- Fahrenheit

ug/L - micrograms per liter

dup - denotes duplicate of preceeding sample

J - compound detected below the quantitation limits

**Summary of Total VOCs in Soil
Site L Investigation**

Table O.2-19

Sample ID	SB-H-01	SB-H-01	SB-H-01	L-SB-H-02	L-SB-H-02	L-SB-H-03	L-SB-H-03
Lab ID	N78652-1	N78652-2	N78652-3	N78544-1	N78544-2	N78385-3	N78385-4
Date Collected	9/23/04	9/23/04	9/23/04	9/22/04	9/22/04	9/21/04	9/21/04
Matrix	Soil	Soil	Soil	Soil	Soil	Soil	Soil
Sample Depth	0'-2'	10'-12'	12'-14'	0'-2'	6'-8'	0'-2'	2.5'-4.5'
Unit	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
1,1,1-Trichloroethane	0.54 U	0.53 U	0.54 U	0.83 U	0.65 U	0.6 U	0.59 U
1,1,2,2-Tetrachloroethane	0.42 U	0.41 U	0.42 U	0.64 U	0.5 U	0.47 U	0.45 U
1,1,2-Trichloroethane	0.44 U	0.44 U	0.44 U	0.68 U	0.53 U	0.49 U	0.48 U
1,1-Dichloroethane	0.36 U	0.35 U	0.36 U	0.55 U	0.43 U	0.4 U	0.39 U
1,1-Dichloroethene	0.82 U	0.81 U	0.82 U	1.3 U	0.98 U	0.91 U	0.89 U
1,2-Dichloroethane	0.32 U	0.32 U	0.32 U	0.5 U	0.39 U	0.36 U	0.35 U
1,2-Dichloropropane	1.1 U	1.1 U	1.1 U	1.7 U	1.3 U	1.2 U	1.2 U
2-Butanone (MEK)	5.4 U	5.3 U	5.4 U	8.3 U	17.4	6 U	5.9 U
2-Hexanone	1.3 U	1.3 U	1.4 U	2.1 U	1.6 U	1.5 U	1.5 U
4-Methyl-2-pentanone(MIBK)	1.4 U	1.4 U	1.4 U	2.2 U	1.7 U	1.6 U	1.6 U
Acetone	1.8 U	19.4	8.5 J	28.8	62.7	2 U	1.9 U
Benzene	0.29 U	0.29 U	0.29 U	0.45 U	0.35 U	0.33 U	0.32 U
Bromodichloromethane	0.18 U	0.18 U	0.18 U	0.28 U	0.22 U	0.2 U	0.2 U
Bromoform	0.8 U	0.8 U	0.81 U	1.2 U	0.96 U	0.9 U	0.88 U
Bromomethane	1.2 U	1.2 U	1.2 U	1.9 U	1.5 U	1.4 U	1.3 U
Carbon disulfide	0.8 U	0.79 U	0.8 U	1.2 U	0.96 U	0.89 U	0.87 U
Carbon tetrachloride	1.4 U	1.4 U	1.4 U	2.1 U	1.7 U	1.5 U	1.5 U
Chlorobenzene	0.31 U	0.31 U	0.32 U	0.48 U	0.38 U	0.35 U	0.34 U
Chloroethane	1.3 U	1.2 U	1.3 U	1.9 U	1.5 U	1.4 U	1.4 U
Chloroform	0.54 U	0.53 U	0.54 U	0.83 U	0.65 U	0.6 U	0.59 U
Chloromethane	0.93 U	0.92 U	0.94 U	1.4 U	1.1 U	1 U	1 U
cis-1,2-Dichloroethene	0.45 U	0.45 U	0.45 U	0.69 U	0.54 U	0.51 U	0.49 U
cis-1,3-Dichloropropene	0.36 U	0.35 U	0.36 U	0.55 U	0.43 U	0.4 U	0.39 U
Dibromochloromethane	0.64 U	0.64 U	0.65 U	0.99 U	0.77 U	0.72 U	0.7 U
Ethylbenzene	0.7 U	0.69 U	0.7 U	1.1 U	0.84 U	0.78 U	0.76 U
Methylene chloride	0.46 U	0.46 U	0.46 U	0.71 U	0.55 U	0.52 U	0.5 U
Styrene	0.4 U	0.4 U	0.4 U	0.61 U	0.48 U	0.45 U	0.44 U
Tetrachloroethene	0.53 U	0.52 U	0.53 U	0.81 U	0.63 U	0.59 U	0.58 U
Toluene	0.28 U	0.28 U	0.28 U	0.43 U	0.34 U	0.32 U	0.31 U
trans-1,2-Dichloroethene	0.45 U	0.44 U	0.45 U	0.69 U	0.54 U	0.5 U	0.49 U
trans-1,3-Dichloropropene	0.52 U	0.52 U	0.53 U	0.81 U	0.63 U	0.59 U	0.57 U
Trichloroethene	0.47 U	0.47 U	0.47 U	0.72 U	0.56 U	0.53 U	0.51 U
Vinyl chloride	0.85 U	0.85 U	0.86 U	1.3 U	1 U	0.96 U	0.93 U
Xylene (total)	0.52 U	0.52 U	0.52 U	0.8 U	0.63 U	0.58 U	0.57 U

NOTE:

ug/kg - micrograms per kilogram

U - Analyte not detected at method detection level

J - Values detected below the quantitation limit

**Summary of Total VOCs in Soil
Site L Investigation**

Table O.2-19

Sample ID	L-SB-H-04	L-SB-H-04	L-SB-H-05	L-SB-H-05	SB-H-06
Lab ID	N78385-1	N78385-2	N78306-1	N78306-2	N78652-4
Date Collected	9/21/04	9/21/04	9/20/04	9/20/04	9/23/04
Matrix	Soil	Soil	Soil	Soil	Soil
Sample Depth	0'-2'	4'-6'	0'-2'	8'-10'	0'-2'
Unit	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
1,1,1-Trichloroethane	0.64 U	0.67 U	0.59 U	0.59 U	0.55 U
1,1,2,2-Tetrachloroethane	0.49 U	0.52 U	0.46 U	0.46 U	0.42 U
1,1,2-Trichloroethane	0.52 U	0.55 U	0.49 U	0.49 U	0.45 U
1,1-Dichloroethane	0.42 U	0.44 U	0.39 U	0.39 U	0.36 U
1,1-Dichloroethene	0.97 U	1 U	0.9 U	0.9 U	0.83 U
1,2-Dichloroethane	0.38 U	0.4 U	0.35 U	0.35 U	0.33 U
1,2-Dichloropropane	1.3 U	1.3 U	1.2 U	1.2 U	1.1 U
2-Butanone (MEK)	6.4 U	10.2 J	5.9 U	5.9 U	5.5 U
2-Hexanone	1.6 U	1.7 U	1.5 U	1.5 U	1.4 U
4-Methyl-2-pentanone(MIBK)	1.7 U	1.8 U	1.6 U	1.6 U	1.5 U
Acetone	17.3	26.6	17	19	23.2
Benzene	0.35 U	0.36 U	0.32 U	0.32 U	0.3 U
Bromodichloromethane	0.21 U	0.22 U	0.2 U	0.2 U	0.18 U
Bromoform	0.95 U	1 U	0.88 U	0.88 U	0.81 U
Bromomethane	1.5 U	1.5 U	1.4 U	1.4 U	1.3 U
Carbon disulfide	5.5 J	0.99 U	0.88 U	0.88 U	7
Carbon tetrachloride	1.6 U	1.7 U	1.5 U	1.5 U	1.4 U
Chlorobenzene	0.37 U	0.39 U	0.34 U	0.35 U	0.32 U
Chloroethane	1.5 U	1.6 U	1.4 U	1.4 U	1.3 U
Chloroform	5.6 J	0.67 U	0.59 U	0.59 U	0.55 U
Chloromethane	1.1 U	1.2 U	1 U	1 U	0.94 U
cis-1,2-Dichloroethene	0.54 U	0.56 U	0.5 U	0.5 U	0.46 U
cis-1,3-Dichloropropene	0.42 U	0.44 U	0.39 U	0.39 U	0.36 U
Dibromochloromethane	0.76 U	0.8 U	0.7 U	0.71 U	0.65 U
Ethylbenzene	0.83 U	0.87 U	0.77 U	0.77 U	0.71 U
Methylene chloride	0.55 U	0.57 U	0.51 U	0.51 U	0.47 U
Styrene	0.47 U	0.49 U	0.44 U	0.44 U	0.4 U
Tetrachloroethene	0.62 U	0.65 U	0.58 U	0.58 U	0.54 U
Toluene	0.33 U	0.35 U	1.7	0.31 U	0.29 U
trans-1,2-Dichloroethene	0.53 U	0.56 U	0.49 U	0.49 U	0.46 U
trans-1,3-Dichloropropene	0.62 U	0.65 U	0.58 U	0.58 U	0.53 U
Trichloroethene	0.56 U	0.58 U	0.52 U	0.52 U	0.48 U
Vinyl chloride	1 U	1.1 U	0.94 U	0.94 U	0.87 U
Xylene (total)	0.62 U	0.65 U	1.6 J	1.4 J	0.53 U

NOTE:

ug/kg - micrograms per kilogram

U - Analyte not detected at method detection level

J - Values detected below the quantitation limit

**Summary of Total VOCs in Soil
Site L Investigation**

Table O.2-19

Sample ID	SB-H-06	L-SB-H-07	L-SB-H-07
Lab ID	N78652-5	N78777-6	N78777-7
Date Collected	9/23/04	9/24/04	9/24/04
Matrix	Soil	Soil	Soil
Sample Depth	10'-12'	0'-2'	8'-10'
Unit	ug/kg	ug/kg	ug/kg
1,1,1-Trichloroethane	0.55 U	0.54 U	0.56 U
1,1,2,2-Tetrachloroethane	0.43 U	0.42 U	0.43 U
1,1,2-Trichloroethane	0.45 U	0.44 U	0.46 U
1,1-Dichloroethane	0.37 U	0.36 U	0.37 U
1,1-Dichloroethene	0.84 U	0.82 U	0.85 U
1,2-Dichloroethane	0.33 U	0.32 U	0.34 U
1,2-Dichloropropane	1.1 U	1.1 U	1.1 U
2-Butanone (MEK)	5.5 U	5.4 U	5.6 U
2-Hexanone	1.4 U	1.3 U	1.4 U
4-Methyl-2-pentanone(MIBK)	1.5 U	1.4 U	1.5 U
Acetone	20.6	10.1 J	1.8 U
Benzene	0.3 U	0.29 U	0.3 U
Bromodichloromethane	0.19 U	0.18 U	0.19 U
Bromoform	0.82 U	0.8 U	0.83 U
Bromomethane	1.3 U	1.2 U	1.3 U
Carbon disulfide	0.82 U	0.8 U	0.83 U
Carbon tetrachloride	1.4 U	1.4 U	1.4 U
Chlorobenzene	0.32 U	0.31 U	0.33 U
Chloroethane	1.3 U	1.3 U	1.3 U
Chloroform	0.55 U	0.54 U	0.56 U
Chloromethane	0.95 U	0.93 U	0.97 U
cis-1,2-Dichloroethene	0.46 U	0.45 U	0.47 U
cis-1,3-Dichloropropene	0.36 U	0.36 U	0.37 U
Dibromochloromethane	0.66 U	0.64 U	0.67 U
Ethylbenzene	0.72 U	0.7 U	0.73 U
Methylene chloride	0.47 U	0.46 U	0.48 U
Styrene	0.41 U	0.4 U	0.41 U
Tetrachloroethene	0.54 U	0.53 U	0.55 U
Toluene	0.29 U	0.28 U	0.29 U
trans-1,2-Dichloroethene	0.46 U	0.45 U	0.47 U
trans-1,3-Dichloropropene	0.54 U	0.53 U	0.55 U
Trichloroethene	0.48 U	0.47 U	0.49 U
Vinyl chloride	0.88 U	0.86 U	0.89 U
Xylene (total)	0.53 U	0.52 U	0.54 U

NOTE:

ug/kg - micrograms per kilogram

U - Analyte not detected at method detection level

J - Values detected below the quantitation limit

**Summary of Total SVOCs in Soil
Site L Investigation**

Table O.2-20

Sample ID Lab ID Date Collected Matrix Sample Depth Unit	SB-H-01 N78652-1 9/23/04 Soil 0'-2' ug/kg	SB-H-01 N78652-2 9/23/04 Soil 10'-12' ug/kg	SB-H-01 N78652-3 9/23/04 Soil 12'-14' ug/kg	L-SB-H-02 N78544-1 9/22/04 Soil 0'-2' ug/kg	L-SB-H-02 N78544-2 9/22/04 Soil 6'-8' ug/kg
1,2,4-Trichlorobenzene	20 U	20 U	21 U	26 U	24 U
1,2-Dichlorobenzene	23 U	22 U	23 U	30 U	27 U
1,3-Dichlorobenzene	22 U	21 U	22 U	28 U	25 U
1,4-Dichlorobenzene	20 U	20 U	20 U	26 U	23 U
2,4,5-Trichlorophenol	23 U	23 U	23 U	30 U	27 U
2,4,6-Trichlorophenol	22 U	22 U	22 U	28 U	25 U
2,4-Dichlorophenol	25 U	24 U	25 U	32 U	29 U
2,4-Dimethylphenol	30 U	29 U	30 U	39 U	35 U
2,4-Dinitrophenol	43 U	42 U	43 U	55 U	49 U
2,4-Dinitrotoluene	22 U	22 U	22 U	28 U	26 U
2,6-Dinitrotoluene	19 U	19 U	19 U	24 U	22 U
2-Chloronaphthalene	21 U	21 U	21 U	27 U	24 U
2-Chlorophenol	22 U	22 U	23 U	29 U	26 U
2-Methylnaphthalene	21 U	21 U	22 U	28 U	25.4 J
2-Methylphenol	31 U	30 U	31 U	40 U	35 U
2-Nitroaniline	26 U	26 U	27 U	34 U	30 U
2-Nitrophenol	28 U	28 U	29 U	37 U	33 U
3&4-Methylphenol	41 U	41 U	42 U	54 U	54.9 J
3,3'-Dichlorobenzidine	28 U	27 U	28 U	36 U	32 U
3-Nitroaniline	26 U	26 U	27 U	34 U	30 U
4,6-Dinitro-o-cresol	23 U	23 U	23 U	30 U	27 U
4-Bromophenyl phenyl ether	22 U	21 U	22 U	28 U	25 U
4-Chloro-3-methyl phenol	31 U	30 U	31 U	40 U	36 U
4-Chloroaniline	26 U	25 U	26 U	33 U	30 U
4-Chlorophenyl phenyl ether	20 U	20 U	20 U	26 U	23 U
4-Nitroaniline	23 U	23 U	24 U	30 U	27 U
4-Nitrophenol	82 U	80 U	83 U	110 U	95 U
Acenaphthene	23 U	23 U	24 U	30 U	27.4 J
Acenaphthylene	17 U	17 U	18 U	22 U	20 U
Anthracene	22 U	21 U	22 U	28 U	36.4 J
Benzo(a)anthracene	23 U	22 U	23 U	30 U	106
Benzo(a)pyrene	19 U	19 U	19 U	25 U	81.4 J

NOTE:

ug/kg- micrograms per kilogram

U - Analyte not detected at method detection level

J - Values detected below the quantitation limit

**Summary of Total SVOCs in Soil
Site L Investigation**

Table O.2-20

Sample ID	SB-H-01	SB-H-01	SB-H-01	L-SB-H-02	L-SB-H-02
Lab ID	N78652-1	N78652-2	N78652-3	N78544-1	N78544-2
Date Collected	9/23/04	9/23/04	9/23/04	9/22/04	9/22/04
Matrix	Soil	Soil	Soil	Soil	Soil
Sample Depth	0'-2'	10'-12'	12'-14'	0'-2'	6'-8'
Unit	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Benzo(b)fluoranthene	20 U	19 U	87	25 U	75.1 J
Benzo(g,h,i)perylene	32 U	32 U	33 U	42 U	58.4 J
Benzo(k)fluoranthene	32 U	31 U	33 U	41 U	70.7 J
bis(2-Chloroethoxy)methane	22 U	21 U	22 U	28 U	25 U
bis(2-Chloroethyl)ether	26 U	26 U	26 U	34 U	30 U
bis(2-Chloroisopropyl)ether	27 U	26 U	27 U	35 U	31 U
bis(2-Ethylhexyl)phthalate	185	67.4 J	302	223	623
Butyl benzyl phthalate	30 U	29 U	30 U	39 U	35 U
Carbazole	23 U	23 U	24 U	30 U	27 U
Chrysene	23 U	22 U	23 U	29 U	99
Dibenzo(a,h)anthracene	30 U	29 U	30 U	39 U	35 U
Dibenzofuran	20 U	20 U	21 U	26 U	23 U
Diethyl phthalate	26 U	25 U	26 U	33 U	30 U
Dimethyl phthalate	20 U	19 U	20 U	25 U	23 U
Di-n-butyl phthalate	20 U	20 U	20 U	26 U	23 U
Di-n-octyl phthalate	25 U	25 U	153	33 U	250
Fluoranthene	19 U	19 U	25.8 J	25 U	194
Fluorene	21 U	21 U	21 U	27 U	29.2 J
Hexachlorobenzene	21 U	21 U	21 U	27 U	24 U
Hexachlorobutadiene	27 U	26 U	27 U	34 U	31 U
Hexachlorocyclopentadiene	21 U	21 U	21 U	27 U	24 U
Hexachloroethane	22 U	22 U	23 U	29 U	26 U
Indeno(1,2,3-cd)pyrene	46 U	45 U	47 U	60 U	54 U
Isophorone	23 U	23 U	24 U	30 U	27 U
Naphthalene	20 U	20 U	21 U	26 U	27.9 J
Nitrobenzene	21 U	21 U	22 U	28 U	25 U
N-Nitroso-di-n-propylamine	24 U	23 U	24 U	31 U	28 U
N-Nitrosodiphenylamine	21 U	21 U	21 U	27 U	24 U
Pentachlorophenol	24 U	24 U	24 U	31 U	28 U
Phenanthrene	22 U	22 U	22 U	28 U	158
Phenol	31 U	31 U	32 U	40 U	36 U
Pyrene	43 U	43 U	44 U	56 U	185

NOTE:

ug/kg- micrograms per kilogram

U - Analyte not detected at method detection level

J - Values detected below the quantitation limit

**Summary of Total SVOCs in Soil
Site L Investigation**

Table O.2-20

Sample ID	L-SB-H-03	L-SB-H-03	L-SB-H-04	L-SB-H-04	L-SB-H-05
Lab ID	N78385-3	N78385-4	N78385-1	N78385-2	N78306-1
Date Collected	9/21/04	9/21/04	9/21/04	9/21/04	9/20/04
Matrix	Soil	Soil	Soil	Soil	Soil
Sample Depth	0'-2'	2.5'-4.5'	0'-2'	4'-6'	0'-2'
Unit	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
1,2,4-Trichlorobenzene	23 U	23 U	22 U	21 U	21 U
1,2-Dichlorobenzene	26 U	26 U	25 U	24 U	23 U
1,3-Dichlorobenzene	24 U	24 U	23 U	23 U	22 U
1,4-Dichlorobenzene	23 U	22 U	22 U	21 U	21 U
2,4,5-Trichlorophenol	26 U	26 U	25 U	24 U	24 U
2,4,6-Trichlorophenol	25 U	24 U	24 U	23 U	22 U
2,4-Dichlorophenol	28 U	28 U	27 U	26 U	25 U
2,4-Dimethylphenol	34 U	33 U	32 U	31 U	31 U
2,4-Dinitrophenol	48 U	48 U	46 U	45 U	43 U
2,4-Dinitrotoluene	25 U	25 U	24 U	23 U	22 U
2,6-Dinitrotoluene	21 U	21 U	20 U	20 U	19 U
2-Chloronaphthalene	24 U	24 U	23 U	22 U	22 U
2-Chlorophenol	25 U	25 U	24 U	23 U	23 U
2-Methylnaphthalene	24 U	24 U	23 U	23 U	22 U
2-Methylphenol	34 U	34 U	33 U	32 U	31 U
2-Nitroaniline	29 U	29 U	28 U	27 U	27 U
2-Nitrophenol	32 U	32 U	31 U	30 U	29 U
3&4-Methylphenol	46 U	46 U	45 U	248	71.0 J
3,3'-Dichlorobenzidine	31 U	31 U	30 U	29 U	28 U
3-Nitroaniline	29 U	29 U	28 U	28 U	27 U
4,6-Dinitro-o-cresol	26 U	26 U	25 U	24 U	23 U
4-Bromophenyl phenyl ether	24 U	24 U	23 U	23 U	22 U
4-Chloro-3-methyl phenol	34 U	34 U	33 U	32 U	31 U
4-Chloroaniline	29 U	29 U	28 U	27 U	26 U
4-Chlorophenyl phenyl ether	22 U	22 U	22 U	21 U	20 U
4-Nitroaniline	26 U	26 U	25 U	25 U	24 U
4-Nitrophenol	91 U	91 U	88 U	86 U	83 U
Acenaphthene	37.0 J	36.9 J	25 U	24 U	56.4 J
Acenaphthylene	19 U	19 U	19 U	18 U	18 U
Anthracene	116	143	36.1 J	23 U	142
Benzo(a)anthracene	314	448	145	27.4 J	282
Benzo(a)pyrene	235	345	120	28.2 J	211

NOTE:

ug/kg- micrograms per kilogram

U - Analyte not detected at method detection level

J - Values detected below the quantitation limit

**Summary of Total SVOCs in Soil
Site L Investigation**

Table O.2-20

Sample ID	L-SB-H-03	L-SB-H-03	L-SB-H-04	L-SB-H-04	L-SB-H-05
Lab ID	N78385-3	N78385-4	N78385-1	N78385-2	N78306-1
Date Collected	9/21/04	9/21/04	9/21/04	9/21/04	9/20/04
Matrix	Soil	Soil	Soil	Soil	Soil
Sample Depth	0'-2'	2.5'-4.5'	0'-2'	4'-6'	0'-2'
Unit	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Benzo(b)fluoranthene	229	330	106	42.6 J	200
Benzo(g,h,i)perylene	119	193	61.3 J	34 U	94
Benzo(k)fluoranthene	195	287	95	34 U	176
bis(2-Chloroethoxy)methane	24 U	24 U	23 U	23 U	22 U
bis(2-Chloroethyl)ether	29 U	29 U	28 U	27 U	27 U
bis(2-Chloroisopropyl)ether	30 U	30 U	29 U	28 U	27 U
bis(2-Ethylhexyl)phthalate	55 U	54 U	181	51 U	103
Butyl benzyl phthalate	33 U	33 U	32 U	31 U	30 U
Carbazole	26 U	28.2 J	25 U	24 U	40.7 J
Chrysene	293	402	131	31.4 J	269
Dibenzo(a,h)anthracene	33 U	35.9 J	32 U	31 U	30 U
Dibenzofuran	23 U	23 U	22 U	21 U	28.5 J
Diethyl phthalate	29 U	28 U	28 U	27 U	26 U
Dimethyl phthalate	22 U	22 U	21 U	21 U	20 U
Di-n-butyl phthalate	22 U	22 U	78.4 J	21 U	21 U
Di-n-octyl phthalate	28 U	28 U	27 U	173	26 U
Fluoranthene	775	1,170	288	65.4 J	699
Fluorene	34.8 J	42.7 J	23 U	22 U	67.9 J
Hexachlorobenzene	24 U	23 U	23 U	22 U	21 U
Hexachlorobutadiene	30 U	30 U	29 U	28 U	27 U
Hexachlorocyclopentadiene	24 U	23 U	23 U	22 U	21 U
Hexachloroethane	25 U	25 U	24 U	23 U	23 U
Indeno(1,2,3-cd)pyrene	100	175	58.6 J	49 U	100
Isophorone	26 U	26 U	25 U	24 U	24 U
Naphthalene	23 U	23 U	22 U	21 U	21 U
Nitrobenzene	24 U	24 U	23 U	22 U	22 U
N-Nitroso-di-n-propylamine	27 U	27 U	26 U	25 U	24 U
N-Nitrosodiphenylamine	24 U	23 U	23 U	22 U	21 U
Pentachlorophenol	27 U	27 U	26 U	25 U	24 U
Phenanthrene	428	595	135	62.3 J	528
Phenol	35 U	35 U	34 U	33 U	32 U
Pyrene	543	838	254	58.1 J	591

NOTE:

ug/kg- micrograms per kilogram

U - Analyte not detected at method detection level

J - Values detected below the quantitation limit

**Summary of Total SVOCs in Soil
Site L Investigation**

Table O.2-20

Sample ID	L-SB-H-05	SB-H-06	SB-H-06	L-SB-H-07	L-SB-H-07
Lab ID	N78306-2	N78652-4	N78652-5	N78777-6	N78777-7
Date Collected	9/20/04	9/23/04	9/23/04	9/24/04	9/24/04
Matrix	Soil	Soil	Soil	Soil	Soil
Sample Depth	8'-10'	0'-2'	10'-12'	0'-2'	8'-10'
Unit	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
1,2,4-Trichlorobenzene	20 U	20 U	20 U	20 U	21 U
1,2-Dichlorobenzene	23 U	22 U	23 U	23 U	24 U
1,3-Dichlorobenzene	22 U	21 U	21 U	21 U	22 U
1,4-Dichlorobenzene	20 U	20 U	20 U	20 U	21 U
2,4,5-Trichlorophenol	23 U	23 U	23 U	23 U	24 U
2,4,6-Trichlorophenol	22 U	22 U	22 U	22 U	23 U
2,4-Dichlorophenol	25 U	25 U	25 U	25 U	26 U
2,4-Dimethylphenol	30 U	29 U	30 U	30 U	31 U
2,4-Dinitrophenol	43 U	42 U	42 U	42 U	44 U
2,4-Dinitrotoluene	22 U	22 U	22 U	22 U	23 U
2,6-Dinitrotoluene	19 U	19 U	19 U	19 U	19 U
2-Chloronaphthalene	21 U	21 U	21 U	21 U	22 U
2-Chlorophenol	22 U	22 U	22 U	22 U	23 U
2-Methylnaphthalene	21 U	21 U	21 U	21 U	22 U
2-Methylphenol	31 U	30 U	30 U	30 U	31 U
2-Nitroaniline	26 U	26 U	26 U	26 U	27 U
2-Nitrophenol	28 U	28 U	28 U	28 U	29 U
3&4-Methylphenol	181 J	41 U	41 U	41 U	43 U
3,3'-Dichlorobenzidine	28 U	27 U	27 U	27 U	29 U
3-Nitroaniline	26 U	26 U	26 U	26 U	27 U
4,6-Dinitro-o-cresol	23 U	23 U	23 U	23 U	24 U
4-Bromophenyl phenyl ether	22 U	21 U	21 U	21 U	22 U
4-Chloro-3-methyl phenol	31 U	30 U	30 U	30 U	32 U
4-Chloroaniline	26 U	25 U	25 U	25 U	26 U
4-Chlorophenyl phenyl ether	20 U	20 U	20 U	20 U	21 U
4-Nitroaniline	23 U	23 U	23 U	23 U	24 U
4-Nitrophenol	81 U	80 U	81 U	81 U	84 U
Acenaphthene	23 U	117	23 U	23 U	24 U
Acenaphthylene	17 U	29.5 J	17 U	17 U	18 U
Anthracene	22 U	392	23.1 J	21 U	22 U
Benzo(a)anthracene	23 U	1,050	67.9 J	30.4 J	24 U
Benzo(a)pyrene	19 U	933	62.5 J	28.1 J	20 U

NOTE:

ug/kg- micrograms per kilogram

U - Analyte not detected at method detection level

J - Values detected below the quantitation limit

**Summary of Total SVOCs in Soil
Site L Investigation**

Table O.2-20

Sample ID	L-SB-H-05	SB-H-06	SB-H-06	L-SB-H-07	L-SB-H-07
Lab ID	N78306-2	N78652-4	N78652-5	N78777-6	N78777-7
Date Collected	9/20/04	9/23/04	9/23/04	9/24/04	9/24/04
Matrix	Soil	Soil	Soil	Soil	Soil
Sample Depth	8'-10'	0'-2'	10'-12'	0'-2'	8'-10'
Unit	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Benzo(b)fluoranthene	20 U	883	120	23.1 J	20 U
Benzo(g,h,i)perylene	32 U	387	32.9 J	32 U	33 U
Benzo(k)fluoranthene	32 U	751	58.4 J	32 U	33 U
bis(2-Chloroethoxy)methane	22 U	21 U	21 U	21 U	22 U
bis(2-Chloroethyl)ether	26 U	26 U	26 U	26 U	27 U
bis(2-Chloroisopropyl)ether	27 U	26 U	26 U	26 U	28 U
bis(2-Ethylhexyl)phthalate	54.1 J	71.4 J	193	48 U	50 U
Butyl benzyl phthalate	30 U	29 U	30 U	29 U	31 U
Carbazole	23 U	87	23 U	23 U	24 U
Chrysene	23 U	983	70.5 J	29.7 J	23 U
Dibenzo(a,h)anthracene	30 U	175	81	29 U	31 U
Dibenzofuran	20 U	68.0 J	20 U	20 U	21 U
Diethyl phthalate	25 U	25 U	25 U	25 U	26 U
Dimethyl phthalate	20 U	19 U	19 U	19 U	20 U
Di-n-butyl phthalate	20 U	20 U	20 U	20 U	21 U
Di-n-octyl phthalate	105	25 U	97	25 U	26 U
Fluoranthene	47.7 J	2,270	140	48.8 J	20 U
Fluorene	21 U	137	21 U	21 U	22 U
Hexachlorobenzene	21 U	21 U	21 U	21 U	22 U
Hexachlorobutadiene	27 U	26 U	26 U	26 U	27 U
Hexachlorocyclopentadiene	21 U	21 U	21 U	21 U	22 U
Hexachloroethane	22 U	22 U	22 U	22 U	23 U
Indeno(1,2,3-cd)pyrene	46 U	399	91	46 U	48 U
Isophorone	23 U	23 U	23 U	23 U	24 U
Naphthalene	20 U	49.6 J	20 U	20 U	21 U
Nitrobenzene	21 U	21 U	21 U	21 U	22 U
N-Nitroso-di-n-propylamine	24 U	23 U	24 U	24 U	25 U
N-Nitrosodiphenylamine	21 U	21 U	21 U	21 U	22 U
Pentachlorophenol	24 U	24 U	24 U	24 U	25 U
Phenanthrene	51.7 J	1,300	78.2 J	33.3 J	23 U
Phenol	31 U	31 U	31 U	31 U	32 U
Pyrene	43 U	1,910	118	54.1 J	45 U

NOTE:

ug/kg- micrograms per kilogram

U - Analyte not detected at method detection level

J - Values detected below the quantitation limit

**Table 1 - Summary of STARS VOCs in Soil
Site L Investigation**

Table 0.2-21

Sample ID	SB-U-01	L-SB-U-02	L-SB-U-03	SB-U-03
Lab ID	N78920-1	N78652-7	N78777-2	N78920-2
Date Collected	9/25/04	9/23/04	9/23/04	9/25/04
Matrix	Soil	Soil	Soil	Soil
Sample Depth	12'-14'	0'-2'	0'-2'	8'-8.75'
Unit	ug/kg	ug/kg	ug/kg	ug/kg
1,2,4-Trimethylbenzene	0.96 U	1.1 U	1 U	0.96 U
1,3,5-Trimethylbenzene	1.2 U	1.3 U	1.3 U	1.2 U
Benzene	0.29U	0.33U	0.31U	0.29U
Ethylbenzene	0.7U	0.78U	0.73U	0.7U
Isopropylbenzene	1.3 U	1.4 U	1.3 U	1.3 U
Naphthalene	19 U	3.4 U	3.2 U	19 U
n-Butylbenzene	1.1 U	1.2 U	1.1 U	1.1 U
n-Propylbenzene	0.18 U	0.2 U	0.19 U	0.18 U
p-Isopropyltoluene	0.38 U	0.42 U	0.4 U	0.38 U
sec-Butylbenzene	0.34 U	0.38 U	0.36 U	0.34 U
tert-Butylbenzene	0.55 U	0.61 U	0.57 U	0.55 U
Toluene	0.28 U	1.1 J	0.3 U	0.28 U
o-xylene	0.52U	0.58U	0.55U	0.52U
m,p-xylene	0.96U	1.1U	1U	0.96U
Xylene (total)	0.52 U	0.58 U	0.55 U	0.52 U
Methylt-butyl ether (MTBE)	0.41U	0.45U	0.43U	0.41U

NOTE:

ug/kg - micrograms per kilogram

U - Analyte not detected at method detection level

**Table 1 - Summary of STARS VOCs in Soil
Site L Investigation**

Table 0.2-21

Sample ID	L-SB-U-04	SB-U-04	L-SB-U-05	L-SB-U-05
Lab ID	N78777-3	N78920-3	N78777-4	N78777-5
Date Collected	9/23/04	9/24/04	9/24/04	9/24/04
Matrix	Soil	Soil	Soil	Soil
Sample Depth	0'-2'	9'-10.75'	0'-21'	9'-11'
Unit	ug/kg	ug/kg	ug/kg	ug/kg
1,2,4-Trimethylbenzene	0.92 U	0.93 U	1.1 U	0.89 U
1,3,5-Trimethylbenzene	1.2 U	1.2 U	1.4 U	1.1 U
Benzene	0.28U	0.28U	0.34U	0.27U
Ethylbenzene	0.67U	0.68U	0.81U	0.65U
Isopropylbenzene	1.2 U	1.2 U	1.5 U	1.2 U
Naphthalene	2.9 U	19 U	3.5 U	2.8 U
n-Butylbenzene	1 U	1.1 U	1.3 U	1 U
n-Propylbenzene	0.17 U	0.17 U	0.2 U	0.17 U
p-Isopropyltoluene	0.36 U	0.37 U	0.44 U	0.35 U
sec-Butylbenzene	0.33 U	0.33 U	0.39 U	0.32 U
tert-Butylbenzene	0.53 U	0.53 U	0.63 U	0.51 U
Toluene	0.27 U	0.27 U	0.33 U	0.26 U
o-xylene	0.5U	0.51U	0.6U	0.49U
m,p-xylene	0.92U	0.93U	1.1U	0.89U
Xylene (total)	0.5 U	0.51 U	0.6 U	0.49 U
Methylt-butyl ether (MTBE)	0.39U	0.39U	0.47U	0.38U

NOTE:

ug/kg - micrograms per kilogram

U - Analyte not detected at method detection level

**Table 2 - Summary of STARS SVOCs in Soil
Site L Investigation**

Table O.2-22

Sample ID	L-SB-U-02	L-SB-U-03	L-SB-U-04	L-SB-U-05
Lab ID	N78652-7	N78777-2	N78777-3	N78777-4
Date Collected	9/23/04	9/23/04	9/23/04	9/24/04
Matrix	Soil	Soil	Soil	Soil
Sample Depth	0'-2'	0'-2'	0'-2'	0'-21'
Analyte	ug/kg	ug/kg	ug/kg	ug/kg
Acenaphthene	23 U	21 U	20 U	79.6 J
Anthracene	21 U	23.5 J	19 U	223
Benzo(a)anthracene	76.7 J	159	55.2 J	592
Benzo(a)pyrene	65.1 J	171	46.2 J	538
Benzo(b)fluoranthene	129	205	55.0 J	542
Benzo(g,h,i)perylene	42.2 J	51.5 J	28 U	168
Benzo(k)fluoranthene	66.4 J	111	34.4 J	343
Chrysene	75.6 J	162	55.1 J	602
Dibenzo(a,h)anthracene	81.2	28 U	26 U	64.3 J
Fluoranthene	141	301	105	1430
Fluorene	21 U	19 U	18 U	73.0 J
Indeno(1,2,3-cd)pyrene	96.5	61.3 J	41 U	203
Methyl Tert Butyl Ether	0.45 U	0.43 U	0.39 U	0.47 U
Phenanthrene	70.3 J	91.3	19 U	923
Pyrene	135	262	85.5	1080

NOTE:

ug/kg - micrograms per kilogram

U - Analyte not detected at method detection level

J - Values detected below the quantitation limit

**Table 2 - Summary of STARS SVOCs in Soil
Site L Investigation**

Table O.2-22

Sample ID	L-SB-U-05	SB-U-04	SB-U-01	SB-U-03
Lab ID	N78777-5	N78920-3	N78920-1	N78920-2
Date Collected	9/24/04	9/24/04	9/25/04	9/25/04
Matrix	Soil	Soil	Soil	Soil
Sample Depth	9'-11'	9'-10.75'	12'-14'	8'-8.75'
Analyte	ug/kg	ug/kg	ug/kg	ug/kg
Acenaphthene	23 U	22 U	22 U	22 U
Anthracene	21 U	20 U	21 U	21 U
Benzo(a)anthracene	22 U	38.0 J	22 U	22 U
Benzo(a)pyrene	19 U	27.2 J	18 U	18 U
Benzo(b)fluoranthene	19 U	89.1	19 U	19 U
Benzo(g,h,i)perylene	32 U	30 U	31 U	31 U
Benzo(k)fluoranthene	31 U	31.0 J	31 U	31 U
Chrysene	22 U	35.1 J	22 U	22 U
Dibenzo(a,h)anthracene	29 U	28 U	29 U	28 U
Fluoranthene	19 U	80.2	18 U	18 U
Fluorene	21 U	20 U	20 U	20 U
Indeno(1,2,3-cd)pyrene	45 U	70.0 J	45 U	44 U
Methyl Tert Butyl Ether	0.38 U	0.39 U	0.41 U	0.41 U
Phenanthrene	22 U	70.6 J	21 U	21 U
Pyrene	43 U	65.5 J	42 U	41 U

NOTE:

ug/kg - micrograms per kilogram

U - Analyte not detected at method detection level

J - Values detected below the quantitation limit

**Summary of Total Metals in Soil
Site L Investigation**

Table O.2-23

Sample ID	SB-H-01	SB-H-01	SB-H-01	L-SB-H-02
Lab ID	N78652-1	N78652-2	N78652-3	N78544-1
Date Collected	9/23/04	9/23/04	9/23/04	9/22/04
Matrix	Soil	Soil	Soil	Soil
Sample Depth	0'-2'	10'-12'	12'-14'	0'-2'
Unit	mg/kg	mg/kg	mg/kg	mg/kg
Antimony	0.89 U	0.89 U	0.88 U	1.1 U
Arsenic	3.30	2.30	3.90	4.70
Beryllium	0.024 U	0.024 U	0.024 U	0.031 U
Cadmium	0.073 U	0.073 U	0.072 U	0.093 U
Chromium	13.6	14.4	18.4	6.6
Copper	14.2	12.6	27.1	26.0
Lead	20.6	28.3	52.3	30.2
Mercury	0.09	0.18	0.08	0.30
Nickel	11.9	11.1	12.4	8.2
Selenium	1.1 U	1.1 U	1.1 U	1.4 U
Silver	0.22 U	0.22 U	0.22 U	0.28 U
Thallium	0.93 U	0.93 U	0.92 U	1.2 U
Zinc	37.5	32.8	76.3	32.0

NOTE:

mg/kg - miligrams per kilogram

U - Analyte not detected at method detection level

**Summary of Total Metals in Soil
Site L Investigation**

Table O.2-23

Sample ID	L-SB-H-02	L-SB-H-03	L-SB-H-03	L-SB-H-04	L-SB-H-04
Lab ID	N78544-2	N78385-3	N78385-4	N78385-1	N78385-2
Date Collected	9/22/04	9/21/04	9/21/04	9/21/04	9/21/04
Matrix	Soil	Soil	Soil	Soil	Soil
Sample Depth	6'-8'	0'-2'	2.5'-4.5'	0'-2'	4'-6'
Unit	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Antimony	1 U	1.1 U	0.94 U	1 U	1 U
Arsenic	5.60	15.3	6.30	4.9	7.00
Beryllium	0.027 U	1.300	1.600	0.029 U	0.028 U
Cadmium	0.910	3.6	2.300	1.000	0.72
Chromium	17.4	38.1	55.6	30.5	15.9
Copper	51.8	268	417.0	80.7	34.3
Lead	124.0	242.00	345.0	107	740.0
Mercury	0.18	0.0077 U	0.0077 U	0.17	0.30
Nickel	18.3	35.8	53.9	21	13.6
Selenium	1.2 U	1.3 U	1.1 U	1.3 U	1.2 U
Silver	0.25 U	0.27 U	0.23 U	0.26 U	0.25 U
Thallium	1 U	1.1 U	0.98 U	1.1 U	1.1 U
Zinc	107.0	1400	1760.0	83	91.8

NOTE:

mg/kg - milligrams per kilogram

U - Analyte not detected at method detection level

**Summary of Total Metals in Soil
Site L Investigation**

Table O.2-23

Sample ID	L-SB-H-05	L-SB-H-05	SB-H-06	SB-H-06	L-SB-H-07
Lab ID	N78306-1	N78306-2	N78652-4	N78652-5	N78777-6
Date Collected	9/20/04	9/20/04	9/23/04	9/23/04	9/24/04
Matrix	Soil	Soil	Soil	Soil	Soil
Sample Depth	0'-2'	8'-10'	0'-2'	10'-12'	0'-2'
Unit	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Antimony	0.86 U	0.88 U	0.85 U	0.88 U	0.88 U
Arsenic	5.4	4.00	8.00	4.10	2.60
Beryllium	0.024 U	0.024 U	0.023 U	0.024 U	0.024 U
Cadmium	0.071 U	0.62	0.07 U	0.072 U	0.900
Chromium	9.2	15.0	22.7	17.2	16.5
Copper	25.6	128	64.0	24.4	14.2
Lead	119	204	2190.0	67.7	10.5
Mercury	0.36	0.32	0.89	0.78	0.17
Nickel	8.5	12.5	15.2	14.6	13.8
Selenium	1 U	1.1 U	1.70	1.1 U	1.1 U
Silver	0.21 U	0.22 U	0.21 U	0.22 U	0.22 U
Thallium	0.89 U	0.91 U	0.89 U	0.92 U	0.91 U
Zinc	47.8	115.0	368.0	53.0	39.1

NOTE:

mg/kg - milligrams per kilogram

U - Analyte not detected at method detection level

**Summary of Total Metals in Soil
Site L Investigation**

Table O.2-23

Sample ID	L-SB-H-07	SB-U-01	SB-U-03	SB-U-04
Lab ID	N78777-7	N78920-1	N78920-2	N78920-3
Date Collected	9/24/04	9/25/04	9/25/04	9/24/04
Matrix	Soil	Soil	Soil	Soil
Sample Depth	8'-10'	12'-14'	8'-8.75'	9'-10.75'
Unit	mg/kg	mg/kg	mg/kg	mg/kg
Antimony	0.88 U	N/A	0.84 U	0.83 U
Arsenic	3.80	2.30	3.30	3.60
Beryllium	0.820	N/A	0.023 U	0.023 U
Cadmium	1.300	0.07 U	0.069 U	0.068 U
Chromium	25.8	24.5	15.8	14.9
Copper	27.7	N/A	12.8	19.4
Lead	8.4	6.5	9.5	66.9
Mercury	0.0074 U	0.0067 U	0.0062 U	0.17
Nickel	24.9	N/A	13.6	15.2
Selenium	1.1 U	1 U	1 U	1 U
Silver	0.22 U	0.21 U	0.21 U	0.2 U
Thallium	0.92 U	N/A	0.87 U	0.86 U
Zinc	52.6	N/A	49.6	55.3

NOTE:

mg/kg - miligrams per kilogram

U - Analyte not detected at method detection level

**Summary of Total PCBs in Soil
Site L Investigation**

Table O.2-24

Sample ID	SB-H-01	SB-H-01	SB-H-01	L-SB-H-02	L-SB-H-02	L-SB-H-03	L-SB-H-03
Lab ID	N78652-1	N78652-2	N78652-3	N78544-1	N78544-2	N78385-3	N78385-4
Date Collected	9/23/04	9/23/04	9/23/04	9/22/04	9/22/04	9/21/04	9/21/04
Matrix	Soil	Soil	Soil	Soil	Soil	Soil	Soil
Sample Depth	0'-2'	10'-12'	12'-14'	0'-2'	6'-8'	0'-2'	2.5'-4.5'
Unit	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Aroclor-1016	16 U	16 U	17 U	22 U	19 U	18 U	19 U
Aroclor-1221	11 U	10 U	11 U	14 U	12 U	12 U	12 U
Aroclor-1232	15 U	14 U	15 U	19 U	17 U	17 U	17 U
Aroclor-1242	17 U	17 U	18 U	23 U	20 U	19 U	20 U
Aroclor-1248	3.3 U	3.2 U	3.4 U	4.4 U	3.9 U	3.8 U	3.8 U
Aroclor-1254	7.1 U	6.9 U	7.3 U	9.5 U	8.4 U	8.1 U	8.2 U
Aroclor-1260	15 U	15 U	15 U	20 U	18 U	17 U	17 U

NOTE:

ug/kg - micrograms per kilogram

U - Analyte not detected at method detection level

**Summary of Total PCBs in Soil
Site L Investigation**

Table O.2-24

Sample ID	L-SB-H-04	L-SB-H-04	L-SB-H-05	L-SB-H-05	SB-H-06	SB-H-06	L-SB-H-07	L-SB-H-07
Lab ID	N78385-1	N78385-2	N78306-1	N78306-2	N78652-4	N78652-5	N78777-6	N78777-7
Date Collected	9/21/04	9/21/04	9/20/04	9/20/04	9/23/04	9/23/04	9/24/04	9/24/04
Matrix	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
Sample Depth	0'-2'	4'-6'	0'-2'	8'-10'	0'-2'	10'-12'	0'-2'	8'-10'
Unit	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Aroclor-1016	18 U	17 U	16 U	16 U	16 U	16 U	16 U	17 U
Aroclor-1221	12 U	11 U	11 U	11 U	10 U	10 U	11 U	11 U
Aroclor-1232	16 U	15 U	15 U	15 U	14 U	15 U	15 U	15 U
Aroclor-1242	19 U	18 U	17 U	17 U	17 U	17 U	17 U	17 U
Aroclor-1248	3.6 U	3.5 U	3.4 U	3.4 U	3.3 U	3.3 U	3.4 U	3.4 U
Aroclor-1254	7.8 U	7.5 U	7.2 U	7.2 U	7.1 U	7.1 U	7.2 U	7.3 U
Aroclor-1260	16 U	16 U	15 U	15 U	15 U	15 U	15 U	15 U

NOTE:

ug/kg - micrograms per kilogram

U - Analyte not detected at method detection level

**Summary of Total Pesticides in Soil
Site L Investigation**

Table O.2-25

Sample ID	SB-H-01	SB-H-01	SB-H-01	L-SB-H-02	L-SB-H-02
Lab ID	N78652-1	N78652-2	N78652-3	N78544-1	N78544-2
Date Collected	9/23/04	9/23/04	9/23/04	9/22/04	9/22/04
Matrix	Soil	Soil	Soil	Soil	Soil
Sample Depth	0'-2'	10'-12'	12'-14'	0'-2'	6'-8'
Unit	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Aldrin	0.37 U	0.36 U	0.38 U	0.49 U	0.43 U
alpha-BHC	0.46 U	0.45 U	0.47 U	0.61 U	0.54 U
beta-BHC	0.2 U	0.2 U	0.21 U	0.27 U	0.24 U
delta-BHC	0.68 U	0.66 U	0.7 U	0.9 U	0.8 U
Chlordane	0.33 U	0.32 U	0.34 U	0.43 U	0.38 U
4,4'-DDD	1.9	0.23 U	0.25 U	2.7	2.3
4,4'-DDE	0.3 U	0.29 U	0.31 U	2.6	2.1
4,4'-DDT	0.21 U	0.2 U	0.22 U	0.28 U	0.25 U
Dieldrin	0.17 U	0.16 U	0.17 U	0.22 U	0.2 U
Endosulfan I	0.2 U	0.2 U	0.21 U	0.27 U	0.24 U
Endosulfan II	0.23 U	0.22 U	0.24 U	0.31 U	0.27 U
Endosulfan Sulfate	0.27 U	0.26 U	0.28 U	0.36 U	0.32 U
Endrin	0.19 U	0.18 U	0.19 U	0.25 U	0.22 U
Endrin Aldehyde	0.65 U	0.63 U	0.67 U	0.86 U	0.76 U
Endrin Keytone	0.9 U	0.87 U	0.92 U	1.2 U	1.1 U
gamma-BHC (Lindane)	0.18 U	0.17 U	0.19 U	0.24 U	0.21 U
gamma-Chlordane	0.67 U	0.65 U	0.69 U	0.89 U	0.79 U
Heptachlor	1.1 U	1 U	1.1 U	1.4 U	1.3 U
Heptachlor Epoxide	0.22 U	0.21 U	0.23 U	0.29 U	0.26 U
Methoxyxhlor	0.24 U	0.24 U	0.25 U	0.32 U	0.29 U
Toxaphene	18 U	18 U	19 U	24 U	21 U

NOTE:

ug/L- micrograms per liter

U- Analyte not detected at method detection level

**Summary of Total Pesticides in Soil
Site L Investigation**

Table O.2-25

Sample ID	L-SB-H-03	L-SB-H-03	L-SB-H-04	L-SB-H-04	L-SB-H-05
Lab ID	N78385-3	N78385-4	N78385-1	N78385-2	N78306-1
Date Collected	9/21/04	9/21/04	9/21/04	9/21/04	9/20/04
Matrix	Soil	Soil	Soil	Soil	Soil
Sample Depth	0'-2'	2.5'-4.5'	0'-2'	4'-6'	0'-2'
Unit	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Aldrin	0.42 U	0.42 U	0.4 U	0.39 U	0.37 U
alpha-BHC	0.52 U	0.53 U	0.5 U	0.48 U	0.47 U
beta-BHC	0.23 U	0.23 U	0.22 U	0.21 U	0.21 U
delta-BHC	0.77 U	0.78 U	0.74 U	0.72 U	0.69 U
Chlordane	0.37 U	0.37 U	0.36 U	0.34 U	0.33 U
4,4'-DDD	0.27 U	0.27 U	0.26 U	0.25 U	0.24 U
4,4'-DDE	0.34 U	0.34 U	0.33 U	0.32 U	0.3 U
4,4'-DDT	0.24 U	0.24 U	0.23 U	0.22 U	0.21 U
Dieldrin	0.19 U	0.19 U	0.18 U	0.18 U	0.17 U
Endosulfan I	0.23 U	0.23 U	0.22 U	0.21 U	0.21 U
Endosulfan II	0.26 U	0.26 U	0.25 U	0.24 U	0.23 U
Endosulfan Sulfate	0.31 U	0.31 U	0.3 U	0.29 U	0.27 U
Endrin	0.21 U	0.22 U	0.2 U	0.2 U	0.19 U
Endrin Aldehyde	0.74 U	0.74 U	0.7 U	0.68 U	0.66 U
Endrin Keytone	1 U	1 U	0.98 U	0.94 U	0.91 U
gamma-BHC (Lindane)	0.2 U	0.21 U	0.2 U	0.19 U	0.18 U
gamma-Chlordane	0.76 U	0.77 U	0.73 U	0.7 U	0.68 U
Heptachlor	1.2 U	1.2 U	1.2 U	1.1 U	1.1 U
Heptachlor Epoxide	0.25 U	0.25 U	0.24 U	0.23 U	0.22 U
Methoxyxhlor	0.28 U	0.28 U	0.26 U	0.26 U	0.25 U
Toxaphene	21 U	21 U	20 U	19 U	18 U

NOTE:

ug/L- micrograms per liter

U- Analyte not detected at method detection level

**Summary of Total Pesticides in Soil
Site L Investigation**

Table O.2-25

Sample ID	L-SB-H-05	SB-H-06	SB-H-06	L-SB-H-07	L-SB-H-07
Lab ID	N78306-2	N78652-4	N78652-5	N78777-6	N78777-7
Date Collected	9/20/04	9/23/04	9/23/04	9/24/04	9/24/04
Matrix	Soil	Soil	Soil	Soil	Soil
Sample Depth	8'-10'	0'-2'	10'-12'	0'-2'	8'-10'
Unit	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Aldrin	0.37 U	0.36 U	0.36 U	0.37 U	0.37 U
alpha-BHC	0.47 U	0.46 U	0.46 U	0.47 U	0.47 U
beta-BHC	0.21 U	0.2 U	0.2 U	0.21 U	0.21 U
delta-BHC	0.69 U	0.67 U	0.68 U	0.69 U	0.69 U
Chlordane	0.33 U	0.32 U	0.32 U	0.33 U	0.33 U
4,4'-DDD	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U
4,4'-DDE	0.3 U	0.3 U	0.3 U	0.3 U	0.31 U
4,4'-DDT	0.21 U	0.21 U	0.21 U	0.21 U	0.22 U
Dieldrin	0.17 U	0.17 U	0.17 U	0.17 U	0.17 U
Endosulfan I	0.21 U	0.2 U	0.2 U	0.21 U	0.21 U
Endosulfan II	0.23 U	0.23 U	0.23 U	0.23 U	0.24 U
Endosulfan Sulfate	0.27 U	0.27 U	0.27 U	0.27 U	0.28 U
Endrin	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U
Endrin Aldehyde	0.66 U	0.64 U	0.64 U	0.65 U	0.66 U
Endrin Keytone	0.91 U	0.89 U	0.89 U	0.91 U	0.91 U
gamma-BHC (Lindane)	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U
gamma-Chlordane	0.68 U	0.66 U	0.66 U	0.68 U	0.68 U
Heptachlor	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U
Heptachlor Epoxide	0.22 U	0.22 U	0.22 U	0.22 U	0.23 U
Methoxyxlor	0.25 U	0.24 U	0.24 U	0.25 U	0.25 U
Toxaphene	18 U	18 U	18 U	18 U	19 U

NOTE:

ug/L- micrograms per liter

U- Analyte not detected at method detection level

**Summary of Total Pesticides in Soil
Site L Investigation**

Table O.2-25

Sample ID	SB-U-01	SB-U-03	SB-U-04
Lab ID	N78920-1	N78920-2	N78920-3
Date Collected	9/25/04	9/25/04	9/24/04
Matrix	Soil	Soil	Soil
Sample Depth	12'-14'	8'-8.75'	9'-10.75'
Unit	ug/kg	ug/kg	ug/kg
Aldrin	0.36 U	0.36 U	0.35 U
alpha-BHC	0.45 U	0.45 U	0.44 U
beta-BHC	0.2 U	0.2 U	0.19 U
delta-BHC	0.66 U	0.66 U	0.64 U
Chlordane	0.32 U	0.32 U	0.31 U
4,4'-DDD	0.23 U	0.23 U	0.23 U
4,4'-DDE	0.29 U	0.29 U	0.28 U
4,4'-DDT	0.21 U	0.21 U	0.2 U
Dieldrin	0.16 U	0.16 U	0.16 U
Endosulfan I	0.2 U	0.2 U	0.19 U
Endosulfan II	0.23 U	0.22 U	0.22 U
Endosulfan Sulfate	0.27 U	0.26 U	0.26 U
Endrin	0.18 U	0.18 U	0.18 U
Endrin Aldehyde	0.63 U	0.63 U	0.61 U
Endrin Keytone	0.88 U	0.87 U	0.85 U
gamma-BHC (Lindane)	0.18 U	0.18 U	0.17 U
gamma-Chlordane	0.65 U	0.65 U	0.63 U
Heptachlor	1 U	1 U	1 U
Heptachlor Epoxide	0.22 U	0.22 U	0.21 U
Methoxyxlor	0.24 U	0.24 U	0.23 U
Toxaphene	18 U	18 U	17 U

NOTE:

ug/L- micrograms per liter

U- Analyte not detected at method detection level

**Summary of RCRA Characteristics in Soil
Site L Investigation**

Table O.2-26

Sample ID	SB-H-01	SB-H-01	SB-H-01	L-SB-H-02	L-SB-H-02
Lab ID	N78652-1	N78652-2	N78652-3	N78544-1	N78544-2
Date Collected	9/23/04	9/23/04	9/23/04	9/22/04	9/22/04
Matrix	Soil	Soil	Soil	Soil	Soil
Sample Depth	0'-2'	10'-12'	12'-14'	0'-2'	6'-8'
RCRA Characteristics					
<i>Ignitability Characteristic</i>					
Flash Point (F)	200	200	200	200	200
<i>Reactivity Characteristic</i>					
Reactive Cyanide (mg/kg)	0.57 U	0.56 U	0.58 U	0.74 U	0.66 U
Reactive Sulfide (mg/kg)	19 U	18 U	64.4	24 U	22 U
<i>Corrosivity Characteristic</i>					
pH	7.56	7.49	7.43	8.50	9.95

NOTES:

mg/kg - milligrams per kilogram

U - Analyte not detected at method detection limit

F - Degrees Fahrenheit

**Summary of RCRA Characteristics in Soil
Site L Investigation**

Table O.2-26

Sample ID	L-SB-H-03	L-SB-H-03	L-SB-H-04	L-SB-H-04
Lab ID	N78385-3	N78385-4	N78385-1	N78385-2
Date Collected	9/21/04	9/21/04	9/21/04	9/21/04
Matrix	Soil	Soil	Soil	Soil
Sample Depth	0'-2'	2.5'-4.5'	0'-2'	4'-6'
RCRA Characteristics				
<i>Ignitability Characteristic</i>				
Flash Point (F)	200	200	200	200
<i>Reactivity Characteristic</i>				
Reactive Cyanide (mg/kg)	0.64 U	0.64 U	0.61 U	0.6 U
Reactive Sulfide (mg/kg)	74.4	102	71.1	20 U
<i>Corrosivity Characteristic</i>				
pH	9.23	9.79	7.98	7.61

NOTES:

mg/kg - milligrams per kilogram

U - Analyte not detected at method

F - Degrees Fahrenheit

**Summary of RCRA Characteristics in Soil
Site L Investigation**

Table O.2-26

Sample ID	L-SB-H-05	L-SB-H-05	SB-H-06	SB-H-06	L-SB-H-07
Lab ID	N78306-1	N78306-2	N78652-4	N78652-5	N78777-6
Date Collected	9/20/04	9/20/04	9/23/04	9/23/04	9/24/04
Matrix	Soil	Soil	Soil	Soil	Soil
Sample Depth	0'-2'	8'-10'	0'-2'	10'-12'	0'-2'
RCRA Characteristics					
<i>Ignitability Characteristic</i>					
Flash Point (F)	200	200	200	200	200
<i>Reactivity Characteristic</i>					
Reactive Cyanide (mg/kg)	0.58 U	0.57 U	0.56 U	0.57 U	0.57 U
Reactive Sulfide (mg/kg)	19 U	78.5	18 U	87.9	99.9
<i>Corrosivity Characteristic</i>					
pH	8.00	7.85	8.42	8.25	7.55

NOTES:

mg/kg - milligrams per kilogram
 U - Analyte not detected at method
 F - Degrees Fahrenheit

**Summary of RCRA Characteristics in Soil
Site L Investigation**

Table O.2-26

Sample ID	L-SB-H-07	SB-U-01	SB-U-03	SB-U-04
Lab ID	N78777-7	N78920-1	N78920-2	N78920-3
Date Collected	9/24/04	9/25/04	9/25/04	9/24/04
Matrix	Soil	Soil	Soil	Soil
Sample Depth	8'-10'	12'-14'	8'-8.75'	9'-10.75'
RCRA Characteristics				
<i>Ignitability Characteristic</i>				
Flash Point (F)	200	200	200	200
<i>Reactivity Characteristic</i>				
Reactive Cyanide (mg/kg)	0.59 U	0.55 U	0.54 U	0.53 U
Reactive Sulfide (mg/kg)	65.5	85.3	18 U	18 U
<i>Corrosivity Characteristic</i>				
pH	7.67	6.68	7.80	7.82

NOTES:

mg/kg - milligrams per kilogram

U - Analyte not detected at method

F - Degrees Fahrenheit

**Summary of Total VOCs in Groundwater
Site L Investigation**

Table O.2-27

Sample ID	SB-H-02(MW)	L-SB-H-05(MW)	L-SB-H-07(MW)
Lab ID	N78653-1	N78385-5	N78770-1
Date Collected	23-Sep-04	21-Sep-04	24-Sep-04
Matrix	Water	Water	Water
Unit	ug/L	ug/L	ug/L
1,1,1-Trichloroethane	0.25 U	0.25 U	0.25 U
1,1,2,2-Tetrachloroethane	0.14 U	0.14 U	0.14 U
1,1,2-Trichloroethane	0.17 U	0.17 U	0.17 U
1,1-Dichloroethane	0.13 U	0.13 U	0.13 U
1,1-Dichloroethene	0.81 U	0.81 U	0.81 U
1,2-Dichloroethane	0.35 U	0.35 U	0.35 U
1,2-Dichloropropane	0.11 U	0.11 U	0.11 U
2-Butanone (MEK)	2.5 U	2.5 U	2.5 U
2-Hexanone	0.73 U	0.73 U	0.73 U
4-Methyl-2-pentanone(MIBK)	0.59 U	0.59 U	0.59 U
Acetone	3.0 J	2.3 U	2.3 U
Benzene	0.31 U	0.31 U	0.31 U
Bromodichloromethane	0.11 U	0.11 U	0.11 U
Bromoform	0.17 U	0.17 U	0.17 U
Bromomethane	0.15 U	0.15 U	0.15 U
Carbon disulfide	0.23 U	0.23 U	0.23 U
Carbon tetrachloride	0.15 U	0.15 U	0.15 U
Chlorobenzene	0.23 U	0.23 U	0.23 U
Chloroethane	0.73 U	0.73 U	0.73 U
Chloroform	10.8	0.081 U	0.081 U
Chloromethane	0.13 U	0.13 U	0.13 U
cis-1,2-Dichloroethene	0.24 U	0.24 U	0.24 U
cis-1,3-Dichloropropene	0.071 U	0.071 U	0.071 U
Dibromochloromethane	0.18 U	0.18 U	0.18 U
Ethylbenzene	0.27 U	0.27 U	0.27 U
Methylene chloride	0.2 U	0.2 U	0.2 U
Styrene	0.12 U	0.12 U	0.12 U
Tetrachloroethene	0.37 U	0.37 U	0.37 U
Toluene	0.14 U	0.23 J	0.14 U
trans-1,2-Dichloroethene	0.17 U	0.17 U	0.17 U
trans-1,3-Dichloropropene	0.08 U	0.08 U	0.08 U
Trichloroethene	0.13 U	0.13 U	0.13 U
Vinyl chloride	0.66 U	0.66 U	0.66 U
Xylene (total)	0.17 U	0.17 U	0.17 U

NOTE:

ug/kg - micrograms per kilogram

U - Analyte not detected at method detection level

J - Values detected below the quantitation limit

**Summary of Total SVOCs in Groundwater
Site L Investigation**

Table O.2-28

Sample ID Lab ID Date Collected Matrix Unit	SB-H-02(MW) N78653-1 23-Sep-04 Water ug/L	L-SB-H-05(MW) N78385-5 21-Sep-04 Water ug/L	L-SB-H-07(MW) N78770-1 24-Sep-04 Water ug/L
1,2,4-Trichlorobenzene	0.34 U	0.32 U	0.32 U
1,2-Dichlorobenzene	0.25 U	0.24 U	0.24 U
1,3-Dichlorobenzene	0.34 U	0.32 U	0.32 U
1,4-Dichlorobenzene	0.26 U	0.25 U	0.25 U
2,4,5-Trichlorophenol	0.78 U	0.74 U	0.74 U
2,4,6-Trichlorophenol	0.84 U	0.8 U	0.8 U
2,4-Dichlorophenol	0.77 U	0.73 U	0.73 U
2,4-Dimethylphenol	1.1 U	1 U	1 U
2,4-Dinitrophenol	1.1 U	1.1 U	1.1 U
2,4-Dinitrotoluene	0.82 U	0.78 U	0.78 U
2,6-Dinitrotoluene	0.65 U	0.62 U	0.62 U
2-Chloronaphthalene	0.4 U	0.38 U	0.38 U
2-Chlorophenol	4.5 U	4.3 U	4.3 U
2-Methyl Naphthalene	0.76 U	0.72 U	0.72 U
2-Methylphenol	0.76 U	0.72 U	0.72 U
2-Nitroaniline	1.4 U	1.4 U	1.4 U
2-Nitrophenol	0.77 U	0.73 U	0.73 U
3&4-Methylphenol	0.74 U	1.0 J	0.7 U
3,3'-Dichlorobenzidine	0.41 U	0.39 U	0.39 U
3-Nitroaniline	1.3 U	1.2 U	1.2 U
4,6-Dinitro-o-cresol	0.68 U	0.65 U	0.65 U
4-Bromophenyl phenyl ether	0.57 U	0.54 U	0.54 U
4-Chloro-3-methyl phenol	5 U	4.7 U	4.7 U
4-Chloroaniline	0.45 U	0.43 U	0.43 U
4-Chlorophenyl phenyl ether	1.1 U	1 U	1 U
4-Nitroaniline	1.1 U	1.1 U	1.1 U
4-Nitrophenol	2.4 U	2.3 U	2.3 U
Acenaphthene	0.31 U	0.3 U	0.3 U
Acenaphthylene	0.37 U	0.35 U	0.35 U
Anthracene	0.23 U	0.22 U	0.22 U

NOTE:

ug/kg- micrograms per kilogram

U - Analyte not detected at method detection level

J- Analyte detected below the quantitation limits

**Summary of Total SVOCs in Groundwater
Site L Investigation**

Table O.2-28

Sample ID	SB-H-02(MW)	L-SB-H-05(MW)	L-SB-H-07(MW)
Lab ID	N78653-1	N78385-5	N78770-1
Date Collected	23-Sep-04	21-Sep-04	24-Sep-04
Matrix	Water	Water	Water
Unit	ug/L	ug/L	ug/L
Benzo (a) anthracene	0.29 U	0.27 U	0.27 U
Benzo (a) pyrene	0.4 U	0.38 U	0.38 U
Benzo (b) fluoranthene	0.39 U	0.37 U	0.37 U
Benzo (g,h,i) perylene	0.52 U	0.5 U	0.5 U
Benzo(k)fluoranthene	0.39 U	0.37 U	0.37 U
bis(2-Chloroethoxy)methane	0.35 U	0.34 U	0.34 U
bis(2-Chloroethyl)ether	0.51 U	0.49 U	0.49 U
bis(2-Chloroisopropyl)ether	0.46 U	0.44 U	0.44 U
bis(2-Ethylhexyl)phthalate	1.1 J	0.74 U	1.5 J
Butyl benzyl phthalate	0.57 U	0.54 U	0.54 U
Carbazole	0.36 U	0.34 U	0.34 U
Chrysene	0.28 U	0.26 U	0.26 U
Dibenzo (a,h) anthracene	0.61 U	0.58 U	0.58 U
Dibenzofuran	0.52 U	0.49 U	0.49 U
Diethyl phthalate	1.5 U	1.4 U	1.4 U
Dimethyl phthalate	0.61 U	0.58 U	0.58 U
Di-n-butyl phthalate	0.83 U	0.79 U	0.84 J
Di-n-octyl phthalate	0.66 U	0.63 U	0.63 U
Fluoranthene	0.67 U	0.63 U	0.63 U
Fluorene	0.94 U	0.89 U	0.89 U
Hexachlorobenzene	1.2 U	1.2 U	1.2 U
Hexachlorobutadiene	0.44 U	0.41 U	0.41 U
Hexachlorocyclopentadiene	0.47 U	0.45 U	0.45 U
Hexachloroethane	0.7 U	0.67 U	0.67 U
Indeno (1,2,3-cd) Pyrene	1.6 U	1.5 U	1.5 U
Isophorone	0.57 U	0.54 U	0.54 U
Naphthalene	1.1 U	1 U	1 U
Nitrobenzene	0.64 U	0.61 U	0.61 U
N-Nitroso-di-n-propylamine	0.53 U	0.5 U	0.5 U
N-Nitrosodiphenylamine	0.84 U	0.8 U	0.8 U
Pentachlorophenol	0.79 U	0.75 U	0.75 U
Phenathrene	0.25 U	0.23 U	0.23 U
Phenol	1.8 U	1.8 U	1.8 U
Pyrene	0.61 U	0.58 U	0.58 U

NOTE:

ug/kg- micrograms per kilogram

U - Analyte not detected at method detection level

J- Analyte detected below the quantitation limits

**Summary of Total Metals in Groundwater
Site L Investigation**

Table O.2-29

Sample ID	SB-H-02(MW)	SB-H-02(MW)
Lab ID	N78653-1	N78653-1F
Date Collected	23-Sep-04	23-Sep-04
Matrix	Water	Water (Filtered)
Unit	ug/L	ug/L
Aluminum	195,000	91U
Antimony	10U	10.4
Arsenic	191	24.5
Barium	3,900	4.7U
Beryllium	0.4U	0.2U
Cadmium	9.8	0.5U
Calcium	405,000	93,400
Chromium, Hexavalent	N/A	N/A
Chromium	526	0.9U
Cobalt	995	1.7U
Copper	1,400	2.6U
Iron	365,000	145
Lead	6,170	23.5
Magnesium	63,200	5,540
Manganese	6,160	2.3U
Mercury	36.3	0.09U
Nickel	387	2.1U
Potassium	55,400	23,200
Selenium	12.6	4.6U
Silver	1.8U	0.9U
Sodium	320,000	245,000
Thallium	14U	6.9U
Vanadium	566	50.7
Zinc	4,950	2.4U

NOTE:

ug/kg - micrograms per kilogram

U - Analyte not detected at method detection level

**Summary of Total Metals in Groundwater
Site L Investigation**

Table O.2-29

Sample ID	L-SB-H-05(MW)	L-SB-H-05(MW)	L-SB-H-07(MW)
Lab ID	N78385-5	N78385-5F	N78770-1
Date Collected	21-Sep-04	21-Sep-04	24-Sep-04
Matrix	Water	Water (Filtered)	Water
Unit	ug/L	ug/L	ug/L
Aluminum	259,000	91U	88,500
Antimony	10U	5U	10U
Arsenic	324	15	42.2
Barium	6,970	344	1,140
Beryllium	12.6	0.2U	0.4U
Cadmium	9.5	.5U	1U
Calcium	593,000	301,000	252,000
Chromium, Hexavalent	N/A	N/A	0.002U
Chromium	555	0.9U	145
Cobalt	221	1.7U	465
Copper	1,420	2.6U	N/A
Iron	526,000	94U	135,000
Lead	20,500	14.2	540
Magnesium	159,000	98,700	41,000
Manganese	10,400	1,260	5,000
Mercury	1.4	0.09U	0.32
Nickel	434	2.1U	134
Potassium	75,700	38,100	38,400
Selenium	24.2	4.6U	9.2U
Silver	1.8U	0.9U	1.8U
Sodium	459,000	496,000	240,000
Thallium	14U	6.9U	14U
Vanadium	734	1.8U	203
Zinc	7,200	21.9	686

NOTE:

ug/kg - micrograms per kilogram

U - Analyte not detected at method detection level

**Summary of Total PCBs in Groundwater
Site L Investigation**

Table O.2-30

Sample ID	SB-H-02(MW)	L-SB-H-05(MW)	L-SB-H-07(MW)
Lab ID	N78653-1	N78385-5	N78770-1
Date Collected	23-Sep-04	21-Sep-04	24-Sep-04
Matrix	Water	Water	Water
Units	ug/L	ug/L	ug/L
Aroclor 1016	0.075 U	0.075 U	0.075 U
Aroclor 1221	0.085 U	0.085 U	0.085 U
Aroclor 1232	0.12 U	0.12 U	0.12 U
Aroclor 1242	0.13 U	0.13 U	0.13 U
Aroclor 1248	0.072 U	0.072 U	0.072 U
Aroclor 1254	0.072 U	0.072 U	0.072 U
Aroclor 1260	0.1 U	0.1 U	0.1 U

NOTE:

ug/kg - micrograms per kilogram

U - Analyte not detected at method detection level

**Summary of NYCDEP Limitations
for Effluent to Sanitary or Combined Sewers
Site L Investigation**

Table O.2-31

Sample ID	SB-H-02	SB-H-02	SB-H-05
Lab ID	N78653-1	N78653-1F	N78385-5
Date Collected	9/23/04	9/23/04	9/21/04
Matrix	Water	Water (filtered)	Water
Groundwater Characteristics			
pH	NA	NA	NA
Flash Point (F)	> 200	> 200	> 200
Compounds (ug/L)			
Benzene	0.31U	NA	0.31U
Ethylbenzene	0.27U	NA	0.27U
Toluene	0.14U	NA	0.23J
Xylenes (Total)	0.17U	NA	0.17U
Cadmium	9.8	0.5U	9.5
Chromium (VI)	NA	NA	NA
Copper	1,400	2.6U	1,420
Lead	6,170	23.5	20,500
Mercury	36.3	0.09U	1.40000
Nickel	387	2.1U	434
Zinc	4,950	2.4U	7,200
PCBs	1U	1U	1U
Perc (Tetrachloroethene)	.37U	NA	.37U
MTBE (Methyl-tert-butyl-ether)	NA	NA	NA
Naphthalene	1.1U	NA	1U

NOTE:

U- Parameter not detected at method detection level

F- Fahrenheit

ug/L - micrograms per liter

J - compound detected below the
quantitation limits

**Summary of NYCDEP Limitations
for Effluent to Sanitary or Combined Sewers
Site L Investigation**

Table O.2-31

Sample ID	SB-H-05	SB-H-07
Lab ID	N78385-5F	N78770-1
Date Collected	9/21/04	9/24/04
Matrix	Water (Filtered)	Water
Groundwater Characteristics		
pH	NA	7.59
Flash Point (F)	> 200	> 200
Compounds (ug/L)		
Benzene	NA	0.31U
Ethylbenzene	NA	0.27U
Toluene	NA	0.14U
Xylenes (Total)	NA	0.17U
Cadmium	0.5U	1U
Chromium (VI)	NA	<0.050
Copper	2.6U	NA
Lead	14.2	540
Mercury	0.09U	0.32
Nickel	2.1U	134
Zinc	21.9	686
PCBs	1U	1U
Perc (Tetrachloroethene)	NA	.37U
MTBE (Methyl-tert-butyl-ether)	NA	NA
Naphthalene	NA	1U

NOTE:

U- Parameter not detected at method detection level

F- Fahrenheit

ug/L - micrograms per liter

J - compound detected below the
quantitation limits

**SUMMARY OF VOCs IN SOIL SAMPLES
CONVENTION CENTER INVESTIGATION**

Table O.2-32

Location ID	B-601	B-602	B-602	B-603	B-603
Sample ID	B-601-2-4	B-602-3-5	B-602-6-8	B-603-11-12	B-603-4-6
Depth	2-4	3-5	6-8	11-12	4-6
Dilution Factor	1.0	1.0	1.0	1.0	1.0
Sample Date	8/10/2004	8/10/2004	8/17/2004	8/23/2004	8/11/2004
Unit	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg
1,1,2-TRICHLOROETHANE	0.58 U	0.61 U	0.59 U	0.62 U	0.57 U
1,2-DICHLOROPROPANE	0.39 U	0.40 U	0.39 U	0.41 U	0.38 U
BROMODICHLOROMETHANE	0.38 U	0.40 U	0.39 U	0.41 U	0.37 U
BROMOMETHANE	0.81 U	0.85 U	0.82 U	0.86 U	0.80 U
CHLOROMETHANE	0.38 U	0.40 U	0.38 U	0.40 U	0.37 U
CIS-1,2-DICHLOROETHENE	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
CIS-1,3-DICHLOROPROPENE	0.22 U	0.23 U	0.23 U	0.24 U	0.22 U
M/P-XYLENE	0.59 U	0.62 U	0.60 U	0.63 U	0.58 U
O-XYLENE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
TOTAL XYLENES	-	-	-	-	-
2-HEXANONE	3.7 U	3.9 U	3.7 U	3.9 U	3.6 U
STYRENE (MONOMER)	0.36 U	0.38 U	0.36 U	0.38 U	0.35 U
TRANS-1,3-DICHLOROPROPENE	0.29 U	0.31 U	0.30 U	0.31 U	0.29 U
TRIBOMOMETHANE	0.34 U	0.36 U	0.35 U	0.36 U	0.34 U
1,1,1-TRICHLOROETHANE	0.31 U	0.33 U	0.32 U	0.33 U	0.30 U
1,1,2,2-TETRACHLOROETHANE	0.61 U	0.64 U	0.62 U	0.65 U	0.59 U
1,1-DICHLOROETHANE	0.41 U	0.43 U	0.41 U	0.43 U	0.40 U
1,1-DICHLOROETHYLENE	0.25 U	0.26 U	0.25 U	0.26 U	0.24 U
1,2-DICHLOROETHANE	3.5 U	3.7 U	3.6 U	3.8 U	3.5 U
METHYL ETHYL KETONE (MEK)	2.6 U	2.7 U	2.6 U	2.8 U	2.6 U
4-METHYL-2-PENTANONE	2.8 U	2.9 U	2.8 U	2.9 U	2.7 U
ACETONE	8.6 U	9.0 U	8.7 U	130.0	48.0
BENZENE	0.23 U	0.24 U	0.23 U	2.00 J	0.23 U
CARBON DISULFIDE	0.12 U	0.12 U	0.12 U	0.12 U	0.11 U
CARBON TETRACHLORIDE	0.34 U	0.36 U	0.35 U	0.36 U	0.33 U
CHLOROBENZENE	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
CHLORODIBROMOMETHANE	0.33 U	0.35 U	0.34 U	0.35 U	0.33 U
CHLOROETHANE	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U
CHLOROFORM	0.27 U	0.29 U	0.28 U	0.29 U	0.27 U
METHYLENE CHLORIDE	0.78 U	0.82 U	0.79 U	0.83 U	2.10 J
ETHYLBENZENE	0.29 U	0.30 U	0.29 U	0.30 U	0.28 U
TOLUENE	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
TETRACHLOROETHENE	2.6 J	0.8 U	0.7 U	0.8 U	0.7 U
TRANS-1,2-DICHLOROETHENE	0.43 U	0.45 U	0.43 U	0.45 U	0.42 U
TRICHLOROETHYLENE	0.37 U	0.39 U	0.37 U	0.39 U	0.36 U
VINYL CHLORIDE	0.27 U	0.28 U	0.27 U	0.29 U	0.26 U

Notes:

ug/kg: Micrograms per kilograms

MDL: Method detection limit

U: Indicates the compound was analyzed for but was not detected.

J: Indicates an estimated value.

D: Indicates the compound identified in an analysis at a secondary dilution factor.

Total Xylenes = M/P-Xylene + O-Xylene

**SUMMARY OF VOCs IN SOIL SAMPLES
CONVENTION CENTER INVESTIGATION**

Table O.2-32

Location ID	B-604		B-604		B-605		B-605		B-606	
Sample ID	B-604-10-12		B-604-6-8		B-605-0-2		B-605-11-13.5		B-606-0-2	
Depth	10-12		6-8		0-2		11-13.5		0-2	
Dilution Factor	1.0		1.0		1.0		1.0		1.0	
Sample Date	8/11/2004		8/11/2004		8/5/2004		8/5/2004		8/5/2004	
Unit	ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg	
1,1,2-TRICHLOROETHANE	0.54	U	0.56	U	0.54	U	0.54	U	0.54	U
1,2-DICHLOROPROPANE	0.36	U	0.37	U	0.36	U	0.36	U	0.36	U
BROMODICHLOROMETHANE	0.36	U	0.37	U	0.35	U	0.36	U	0.36	U
BROMOMETHANE	0.76	U	0.79	U	0.75	U	0.76	U	0.76	U
CHLOROMETHANE	0.36	U	0.37	U	0.35	U	0.36	U	0.36	U
CIS-1,2-DICHLOROETHENE	0.4	U	0.4	U	0.4	U	0.4	U	0.4	U
CIS-1,3-DICHLOROPROPENE	0.21	U	0.22	U	0.21	U	0.21	U	0.21	U
M/P-XYLENE	0.55	U	0.57	U	32.00		0.55	U	0.55	U
O-XYLENE	0.5	U	0.5	U	11.0		0.5	U	0.5	U
TOTAL XYLENES	-		-		43.00		-		-	
2-HEXANONE	3.4	U	3.6	U	3.4	U	3.4	U	3.4	U
STYRENE (MONOMER)	0.34	U	0.35	U	0.33	U	0.34	U	0.34	U
TRANS-1,3-DICHLOROPROPENE	0.28	U	0.28	U	0.27	U	0.28	U	0.28	U
TRIBOMOMETHANE	0.32	U	0.33	U	0.32	U	0.32	U	0.32	U
1,1,1-TRICHLOROETHANE	0.29	U	0.30	U	0.29	U	0.29	U	0.29	U
1,1,2,2-TETRACHLOROETHANE	0.57	U	0.59	U	0.56	U	0.57	U	0.57	U
1,1-DICHLOROETHANE	0.38	U	0.39	U	0.38	U	0.38	U	0.38	U
1,1-DICHLOROETHYLENE	0.23	U	0.24	U	0.23	U	0.23	U	0.23	U
1,2-DICHLOROETHANE	3.3	U	3.4	U	3.3	U	3.3	U	3.3	U
METHYL ETHYL KETONE (MEK)	20.0	J	2.5	U	2.4	U	2.4	U	2.4	U
4-METHYL-2-PENTANONE	2.6	U	2.7	U	2.6	U	2.6	U	2.6	U
ACETONE	93.0		20.0	J	7.9	U	8.0	U	8.0	U
BENZENE	0.22	U	0.22	U	0.21	U	0.22	U	0.22	U
CARBON DISULFIDE	4.70	J	0.11	U	0.11	U	0.11	U	0.11	U
CARBON TETRACHLORIDE	0.32	U	0.33	U	0.32	U	0.32	U	0.32	U
CHLOROBENZENE	0.4	U	0.4	U	0.4	U	0.4	U	0.4	U
CHLORODIBROMOMETHANE	0.31	U	0.32	U	0.31	U	0.31	U	0.31	U
CHLOROETHANE	0.6	U	0.6	U	0.6	U	0.6	U	0.6	U
CHLOROFORM	0.25	U	0.26	U	0.25	U	0.25	U	0.25	U
METHYLENE CHLORIDE	2.50	J	3.10	J	0.72	U	1.70	J	0.73	U
ETHYLBENZENE	0.27	U	0.28	U	6.40		0.27	U	0.27	U
TOLUENE	0.3	U	0.3	U	0.3	U	0.3	U	0.3	U
TETRACHLOROETHENE	0.7	U	0.7	U	0.7	U	0.7	U	0.7	U
TRANS-1,2-DICHLOROETHENE	0.40	U	0.41	U	0.39	U	0.40	U	0.40	U
TRICHLOROETHYLENE	0.34	U	0.36	U	0.34	U	0.34	U	0.34	U
VINYL CHLORIDE	0.25	U	0.26	U	0.25	U	0.25	U	0.25	U

Notes:

- ug/kg: Micrograms per kilograms
- MDL: Method detection limit
- U: Indicates the compound was analyzed for but was not detected.
- J: Indicates an estimated value.
- D: Indicates the compound identified in an analysis at a secondary dilution factor.
- Total Xylenes = M/P-Xylene + O-Xylene

**SUMMARY OF VOCs IN SOIL SAMPLES
CONVENTION CENTER INVESTIGATION**

Table O.2-32

Location ID	B-606		B-606		B-607		B-701		B-701	
Sample ID	B-606-11-13.5		DUP		B-607-3-4		B-701-2-5		B-701-6-9	
Depth	11-13.5		11-13.5		3-4		2-5		6-9	
Dilution Factor	1.0		1.0		1.0		1.0		1.0	
Sample Date	8/5/2004		8/5/2004		8/10/2004		8/12/2004		8/13/2004	
Unit	ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg	
1,1,2-TRICHLOROETHANE	0.56	U	0.56	U	0.56	U	0.68	U	0.68	U
1,2-DICHLOROPROPANE	0.37	U	0.37	U	0.37	U	0.45	U	0.45	U
BROMODICHLOROMETHANE	0.37	U	0.37	U	0.37	U	0.45	U	0.45	U
BROMOMETHANE	0.79	U	0.78	U	0.79	U	0.96	U	0.96	U
CHLOROMETHANE	0.37	U	0.36	U	0.37	U	0.45	U	0.45	U
CIS-1,2-DICHLOROETHENE	0.4	U	0.4	U	0.4	U	0.5	U	0.5	U
CIS-1,3-DICHLOROPROPENE	0.22	U	0.21	U	0.22	U	0.26	U	0.26	U
M/P-XYLENE	31.00		19.00		0.57	U	0.69	U	0.69	U
O-XYLENE	15.0		8.3		0.5	U	0.6	U	0.6	U
TOTAL XYLENES	46.00		27.30		-		-		-	
2-HEXANONE	3.6	U	3.5	U	3.6	U	4.3	U	4.3	U
STYRENE (MONOMER)	0.35	U	0.34	U	0.35	U	0.42	U	0.42	U
TRANS-1,3-DICHLOROPROPENE	0.28	U	0.28	U	0.28	U	0.35	U	0.35	U
TRIBOMOMETHANE	0.33	U	0.33	U	0.33	U	0.40	U	0.40	U
1,1,1-TRICHLOROETHANE	0.30	U	0.30	U	0.30	U	0.37	U	0.37	U
1,1,2,2-TETRACHLOROETHANE	0.59	U	0.58	U	0.59	U	0.71	U	0.71	U
1,1-DICHLOROETHANE	0.39	U	0.39	U	0.39	U	0.48	U	0.48	U
1,1-DICHLOROETHYLENE	0.24	U	0.24	U	0.24	U	0.29	U	0.29	U
1,2-DICHLOROETHANE	3.4	U	3.4	U	3.4	U	4.2	U	4.2	U
METHYL ETHYL KETONE (MEK)	2.5	U	2.5	U	2.5	U	3.1	U	3.1	U
4-METHYL-2-PENTANONE	2.7	U	2.6	U	2.7	U	3.2	U	3.2	U
ACETONE	8.3	U	8.2	U	8.3	U	10.0	U	10.0	U
BENZENE	0.22	U	0.22	U	0.22	U	0.27	U	0.27	U
CARBON DISULFIDE	0.11	U	0.11	U	0.11	U	0.14	U	0.14	U
CARBON TETRACHLORIDE	0.33	U	0.33	U	0.33	U	0.40	U	0.40	U
CHLOROBENZENE	0.4	U	0.4	U	0.4	U	0.5	U	0.5	U
CHLORODIBROMOMETHANE	0.32	U	0.32	U	0.32	U	0.39	U	0.39	U
CHLOROETHANE	0.6	U	0.6	U	0.6	U	0.7	U	0.7	U
CHLOROFORM	0.26	U	0.26	U	0.26	U	0.32	U	0.32	U
METHYLENE CHLORIDE	0.76	U	0.75	U	0.76	U	0.92	U	0.92	U
ETHYLBENZENE	5.10	J	2.80	J	0.28	U	0.34	U	0.34	U
TOLUENE	0.3	U	0.3	U	0.3	U	0.4	U	0.4	U
TETRACHLOROETHENE	0.7	U	0.7	U	0.7	U	3.6	J	2.5	J
TRANS-1,2-DICHLOROETHENE	0.41	U	0.41	U	0.41	U	0.50	U	0.50	U
TRICHLOROETHYLENE	0.36	U	0.35	U	0.36	U	0.43	U	0.43	U
VINYL CHLORIDE	0.26	U	0.26	U	0.26	U	0.32	U	0.32	U

Notes:

ug/kg: Micrograms per kilograms

MDL: Method detection limit

U: Indicates the compound was analyzed for but was not detected.

J: Indicates an estimated value.

D: Indicates the compound identified in an analysis at a secondary dilution factor.

Total Xylenes = M/P-Xylene + O-Xylene

**SUMMARY OF VOCs IN SOIL SAMPLES
CONVENTION CENTER INVESTIGATION**

Table O.2-32

Location ID	B-702	B-702	B-801	B-801	B-801
Sample ID	B-702-10-12	B-702-14-15	B-801-10-12	B-801-13-15	B-801-3-4
Depth	10-12	14-15	10-12	13-15	3-4
Dilution Factor	1.0	1.0	1.0	1.0	1.0
Sample Date	8/11/2004	8/11/2004	8/10/2004	8/12/2004	8/10/2004
Unit	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg
1,1,2-TRICHLOROETHANE	0.60 U	0.73 U	0.66 U	0.56 U	0.60 U
1,2-DICHLOROPROPANE	0.40 U	0.49 U	0.44 U	0.37 U	0.40 U
BROMODICHLOROMETHANE	0.40 U	0.48 U	0.43 U	0.37 U	0.40 U
BROMOMETHANE	0.84 U	1.00 U	0.92 U	0.78 U	0.84 U
CHLOROMETHANE	0.39 U	0.48 U	0.43 U	0.36 U	0.39 U
CIS-1,2-DICHLOROETHENE	0.4 U	0.5 U	0.5 U	0.4 U	0.4 U
CIS-1,3-DICHLOROPROPENE	0.23 U	0.28 U	0.25 U	0.21 U	0.23 U
M/P-XYLENE	0.61 U	0.74 U	0.67 U	0.56 U	0.61 U
O-XYLENE	0.5 U	0.6 U	0.6 U	0.5 U	0.5 U
TOTAL XYLENES	-	-	-	-	-
2-HEXANONE	3.8 U	4.6 U	4.2 U	3.5 U	3.8 U
STYRENE (MONOMER)	0.37 U	0.45 U	0.41 U	0.34 U	0.37 U
TRANS-1,3-DICHLOROPROPENE	0.30 U	0.37 U	0.33 U	0.28 U	0.30 U
TRIBOMOMETHANE	0.36 U	0.43 U	0.39 U	0.33 U	0.36 U
1,1,1-TRICHLOROETHANE	0.32 U	0.39 U	0.35 U	0.30 U	0.32 U
1,1,2,2-TETRACHLOROETHANE	0.63 U	0.77 U	0.69 U	0.58 U	0.63 U
1,1-DICHLOROETHANE	0.42 U	0.51 U	0.46 U	0.39 U	0.42 U
1,1-DICHLOROETHYLENE	0.26 U	0.31 U	0.28 U	0.24 U	0.26 U
1,2-DICHLOROETHANE	3.7 U	4.5 U	4.0 U	3.4 U	3.7 U
METHYL ETHYL KETONE (MEK)	2.7 U	3.3 U	3.0 U	2.5 U	2.7 U
4-METHYL-2-PENTANONE	2.9 U	3.5 U	3.1 U	2.6 U	2.9 U
ACETONE	38.0	52.0	37.0	8.2 U	8.9 U
BENZENE	0.24 U	0.29 U	0.26 U	0.22 U	0.24 U
CARBON DISULFIDE	3.60 J	5.30 J	0.13 U	0.11 U	0.12 U
CARBON TETRACHLORIDE	0.35 U	0.43 U	0.39 U	0.33 U	0.35 U
CHLOROBENZENE	0.4 U	0.5 U	0.5 U	0.4 U	0.4 U
CHLORODIBROMOMETHANE	0.35 U	0.42 U	0.38 U	0.32 U	0.35 U
CHLOROETHANE	0.6 U	0.8 U	0.7 U	0.6 U	0.6 U
CHLOROFORM	0.28 U	0.34 U	0.31 U	0.26 U	0.28 U
METHYLENE CHLORIDE	2.50 J	3.20 J	2.60 J	0.75 U	0.81 U
ETHYLBENZENE	0.30 U	0.36 U	0.32 U	0.27 U	0.30 U
TOLUENE	0.3 U	0.4 U	0.3 U	0.3 U	0.3 U
TETRACHLOROETHENE	0.8 U	0.9 U	0.8 U	2.2 J	0.8 U
TRANS-1,2-DICHLOROETHENE	0.44 U	0.54 U	0.48 U	0.41 U	0.44 U
TRICHLOROETHYLENE	0.38 U	0.46 U	0.42 U	0.35 U	0.38 U
VINYL CHLORIDE	0.28 U	0.34 U	0.31 U	0.26 U	0.28 U

Notes:

ug/kg: Micrograms per kilograms

MDL: Method detection limit

U: Indicates the compound was analyzed for but was not detected.

J: Indicates an estimated value.

D: Indicates the compound identified in an analysis at a secondary dilution factor.

Total Xylenes = M/P-Xylene + O-Xylene

**SUMMARY OF VOCs IN SOIL SAMPLES
CONVENTION CENTER INVESTIGATION**

Table O.2-32

Location ID	B-802	B-901	B-901	B-902	B-903
Sample ID	B-802-3-4	B-901-3-5	B-901-6-8	B-902-1.5-4.5	B-903-15-17
Depth	3-4	3-5	6-8	1.5-4.5	15-17
Dilution Factor	1.0	1.0	1.0	1.0	1.0
Sample Date	8/12/2004	8/9/2004	8/9/2004	8/13/2004	8/12/2004
Unit	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg
1,1,2-TRICHLOROETHANE	0.56 U	0.61 U	0.58 U	0.72 U	0.66 U
1,2-DICHLOROPROPANE	0.37 U	0.40 U	0.39 U	0.48 U	0.44 U
BROMODICHLOROMETHANE	0.37 U	0.40 U	0.38 U	0.48 U	0.43 U
BROMOMETHANE	0.79 U	0.85 U	0.81 U	1.00 U	0.92 U
CHLOROMETHANE	0.37 U	0.40 U	0.38 U	0.47 U	0.43 U
CIS-1,2-DICHLOROETHENE	0.4 U	0.4 U	0.4 U	0.5 U	0.5 U
CIS-1,3-DICHLOROPROPENE	0.22 U	0.23 U	0.22 U	0.28 U	0.25 U
M/P-XYLENE	0.57 U	0.62 U	0.59 U	0.73 U	0.67 U
O-XYLENE	0.5 U	0.5 U	0.5 U	0.6 U	0.6 U
TOTAL XYLENES	-	-	-	-	-
2-HEXANONE	3.6 U	3.9 U	3.7 U	4.6 U	4.2 U
STYRENE (MONOMER)	0.35 U	0.38 U	0.36 U	0.45 U	0.41 U
TRANS-1,3-DICHLOROPROPENE	0.28 U	0.31 U	0.29 U	0.37 U	0.33 U
TRIBOMOMETHANE	0.33 U	0.36 U	0.34 U	0.43 U	0.39 U
1,1,1-TRICHLOROETHANE	0.30 U	0.33 U	0.31 U	0.39 U	0.35 U
1,1,2,2-TETRACHLOROETHANE	0.59 U	0.64 U	0.61 U	0.76 U	0.69 U
1,1-DICHLOROETHANE	0.39 U	0.43 U	0.41 U	0.50 U	0.46 U
1,1-DICHLOROETHYLENE	0.24 U	0.26 U	0.25 U	0.31 U	0.28 U
1,2-DICHLOROETHANE	3.4 U	3.7 U	3.5 U	4.4 U	4.0 U
METHYL ETHYL KETONE (MEK)	2.5 U	2.7 U	2.6 U	3.2 U	3.0 U
4-METHYL-2-PENTANONE	2.7 U	2.9 U	2.8 U	3.4 U	3.1 U
ACETONE	8.3 U	9.0 U	8.6 U	11.0 U	9.7 U
BENZENE	0.22 U	0.24 U	0.23 U	0.29 U	0.26 U
CARBON DISULFIDE	0.11 U	0.12 U	0.12 U	0.14 U	0.13 U
CARBON TETRACHLORIDE	0.33 U	0.36 U	0.34 U	0.43 U	0.39 U
CHLOROBENZENE	0.4 U	0.4 U	0.4 U	0.5 U	0.5 U
CHLORODIBROMOMETHANE	0.32 U	0.35 U	0.33 U	0.42 U	0.38 U
CHLOROETHANE	0.6 U	0.6 U	0.6 U	0.8 U	0.7 U
CHLOROFORM	0.26 U	0.29 U	0.27 U	0.34 U	0.31 U
METHYLENE CHLORIDE	0.76 U	0.82 U	0.78 U	0.97 U	0.88 U
ETHYLBENZENE	0.28 U	0.30 U	0.29 U	0.36 U	0.32 U
TOLUENE	0.3 U	0.3 U	0.3 U	0.4 U	0.3 U
TETRACHLOROETHENE	0.7 U	0.8 U	0.7 U	0.9 U	0.8 U
TRANS-1,2-DICHLOROETHENE	0.41 U	0.45 U	0.43 U	0.53 U	0.48 U
TRICHLOROETHYLENE	0.36 U	0.39 U	0.37 U	0.46 U	0.42 U
VINYL CHLORIDE	0.26 U	0.28 U	0.27 U	0.34 U	0.31 U

Notes:

ug/kg: Micrograms per kilograms

MDL: Method detection limit

U: Indicates the compound was analyzed for but was not detected.

J: Indicates an estimated value.

D: Indicates the compound identified in an analysis at a secondary dilution factor.

Total Xylenes = M/P-Xylene + O-Xylene

**SUMMARY OF VOCs IN SOIL SAMPLES
CONVENTION CENTER INVESTIGATION**

Table O.2-32

Location ID	B-905	B-905	B-905	B-906	B-906
Sample ID	B-905-2-4	B-905-7-9	DUP	B-906-3.5-5	B-906-7-8
Depth	2-4	7-9	7-9	3.5-5	7-8
Dilution Factor	1.0	1.0	1.0	1.0	1.0
Sample Date	8/12/2004	8/12/2004	8/12/2004	8/9/2004	8/9/2004
Unit	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg
1,1,2-TRICHLOROETHANE	0.69 U	1.10 U	0.60 U	0.70 U	1.20 U
1,2-DICHLOROPROPANE	0.46 U	0.73 U	0.40 U	0.47 U	0.78 U
BROMODICHLOROMETHANE	0.46 U	0.72 U	0.40 U	0.46 U	0.77 U
BROMOMETHANE	0.97 U	1.50 U	0.84 U	0.98 U	1.60 U
CHLOROMETHANE	0.45 U	0.72 U	0.39 U	0.46 U	0.77 U
CIS-1,2-DICHLOROETHENE	0.5 U	0.8 U	0.4 U	0.5 U	0.8 U
CIS-1,3-DICHLOROPROPENE	0.27 U	0.42 U	0.23 U	0.27 U	0.45 U
M/P-XYLENE	0.70 U	1.10 U	0.61 U	0.71 U	1.20 U
O-XYLENE	0.6 U	0.9 U	0.5 U	0.6 U	1.0 U
TOTAL XYLENES	-	-	-	-	-
2-HEXANONE	4.4 U	7.0 U	3.8 U	4.4 U	7.4 U
STYRENE (MONOMER)	0.43 U	0.68 U	0.37 U	0.43 U	0.73 U
TRANS-1,3-DICHLOROPROPENE	0.35 U	0.56 U	0.30 U	0.36 U	0.60 U
TRIBOMOMETHANE	0.41 U	0.65 U	0.36 U	0.42 U	0.70 U
1,1,1-TRICHLOROETHANE	0.37 U	0.59 U	0.32 U	0.38 U	0.63 U
1,1,2,2-TETRACHLOROETHANE	0.72 U	1.20 U	0.63 U	0.73 U	1.20 U
1,1-DICHLOROETHANE	0.48 U	0.77 U	0.42 U	0.49 U	0.82 U
1,1-DICHLOROETHYLENE	0.29 U	0.47 U	0.26 U	0.30 U	0.50 U
1,2-DICHLOROETHANE	4.2 U	6.7 U	3.7 U	4.3 U	7.2 U
METHYL ETHYL KETONE (MEK)	3.1 U	4.9 U	2.7 U	3.2 U	5.3 U
4-METHYL-2-PENTANONE	3.3 U	5.2 U	2.9 U	3.3 U	5.6 U
ACETONE	10.0 U	16.0 U	8.9 U	90.0	71.0
BENZENE	0.28 U	0.44 U	0.24 U	0.28 U	0.47 U
CARBON DISULFIDE	0.14 U	0.22 U	0.12 U	0.14 U	0.23 U
CARBON TETRACHLORIDE	0.41 U	0.65 U	0.35 U	0.41 U	0.69 U
CHLOROBENZENE	0.5 U	0.8 U	0.4 U	0.5 U	0.8 U
CHLORODIBROMOMETHANE	0.40 U	0.63 U	0.35 U	0.40 U	0.68 U
CHLOROETHANE	0.7 U	1.1 U	0.6 U	0.7 U	1.2 U
CHLOROFORM	0.32 U	0.52 U	0.28 U	0.33 U	0.55 U
METHYLENE CHLORIDE	0.93 U	1.50 U	0.81 U	0.94 U	1.60 U
ETHYLBENZENE	0.34 U	0.54 U	0.30 U	0.35 U	0.58 U
TOLUENE	0.4 U	0.6 U	0.3 U	0.4 U	0.6 U
TETRACHLOROETHENE	2.7 J	14.0	0.8 U	0.9 U	1.5 U
TRANS-1,2-DICHLOROETHENE	0.51 U	0.81 U	0.44 U	0.52 U	0.86 U
TRICHLOROETHYLENE	0.44 U	0.70 U	0.38 U	0.44 U	0.74 U
VINYL CHLORIDE	0.32 U	0.51 U	0.28 U	0.33 U	0.55 U

Notes:

ug/kg: Micrograms per kilograms

MDL: Method detection limit

U: Indicates the compound was analyzed for but was not detected.

J: Indicates an estimated value.

D: Indicates the compound identified in an analysis at a secondary dilution factor.

Total Xylenes = M/P-Xylene + O-Xylene

**SUMMARY OF VOCs IN SOIL SAMPLES
CONVENTION CENTER INVESTIGATION**

Table O.2-32

Location ID	B-1101	B-1102	B-1102	B-1103	B-1103
Sample ID	B-1101-7-9	B-1102-1-3	B-1102-7.5-9.5	B-1103-3-5	B-1103-8-10
Depth	7-9	1-3	7.5-9.5	3-5	8-10
Dilution Factor	1.0	1.0	1.0	1.0	1.0
Sample Date	8/5/2004	8/9/2004	8/9/2004	8/5/2004	8/5/2004
Unit	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg
1,1,2-TRICHLOROETHANE	0.60 U	0.55 U	0.57 U	0.57 U	0.57 U
1,2-DICHLOROPROPANE	0.40 U	0.36 U	0.38 U	0.38 U	0.38 U
BROMODICHLOROMETHANE	0.40 U	0.36 U	0.37 U	0.37 U	0.37 U
BROMOMETHANE	0.84 U	0.77 U	0.80 U	0.80 U	0.80 U
CHLOROMETHANE	0.39 U	0.36 U	0.37 U	0.37 U	0.37 U
CIS-1,2-DICHLOROETHENE	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
CIS-1,3-DICHLOROPROPENE	0.23 U	0.21 U	0.22 U	0.22 U	0.22 U
M/P-XYLENE	0.61 U	0.56 U	0.58 U	0.58 U	0.58 U
O-XYLENE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
TOTAL XYLENES	-	-	-	-	-
2-HEXANONE	3.8 U	3.5 U	3.6 U	3.6 U	3.6 U
STYRENE (MONOMER)	0.37 U	0.34 U	0.35 U	0.35 U	0.35 U
TRANS-1,3-DICHLOROPROPENE	0.30 U	0.28 U	0.29 U	0.29 U	0.29 U
TRIBOMOMETHANE	0.36 U	0.32 U	0.34 U	0.34 U	0.34 U
1,1,1-TRICHLOROETHANE	0.32 U	0.29 U	0.30 U	0.30 U	0.30 U
1,1,2,2-TETRACHLOROETHANE	0.63 U	0.57 U	0.59 U	0.59 U	0.59 U
1,1-DICHLOROETHANE	0.42 U	0.38 U	0.40 U	0.40 U	0.40 U
1,1-DICHLOROETHYLENE	0.26 U	0.23 U	0.24 U	0.24 U	0.24 U
1,2-DICHLOROETHANE	3.7 U	3.3 U	3.5 U	3.5 U	3.5 U
METHYL ETHYL KETONE (MEK)	19.0 J	2.5 U	2.6 U	2.6 U	2.6 U
4-METHYL-2-PENTANONE	2.9 U	2.6 U	2.7 U	2.7 U	2.7 U
ACETONE	170.0	44.0	8.4 U	44.0	55.0
BENZENE	0.24 U	0.22 U	0.23 U	0.23 U	0.23 U
CARBON DISULFIDE	11.00	0.11 U	0.11 U	6.90	3.80 J
CARBON TETRACHLORIDE	0.35 U	0.32 U	0.33 U	0.33 U	0.33 U
CHLOROBENZENE	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
CHLORODIBROMOMETHANE	0.35 U	0.32 U	0.33 U	0.33 U	0.33 U
CHLOROETHANE	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U
CHLOROFORM	0.28 U	0.26 U	0.27 U	0.27 U	0.27 U
METHYLENE CHLORIDE	2.40 J	0.74 U	0.76 U	0.76 U	0.76 U
ETHYLBENZENE	0.30 U	0.27 U	0.28 U	0.28 U	0.28 U
TOLUENE	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
TETRACHLOROETHENE	0.8 U	0.7 U	2.3 J	0.7 U	0.7 U
TRANS-1,2-DICHLOROETHENE	0.44 U	0.40 U	0.42 U	0.42 U	0.42 U
TRICHLOROETHYLENE	0.38 U	0.35 U	0.36 U	0.36 U	0.36 U
VINYL CHLORIDE	0.28 U	0.26 U	0.26 U	0.26 U	0.26 U

Notes:

ug/kg: Micrograms per kilograms

MDL: Method detection limit

U: Indicates the compound was analyzed for but was not detected.

J: Indicates an estimated value.

D: Indicates the compound identified in an analysis at a secondary dilution factor.

Total Xylenes = M/P-Xylene + O-Xylene

**SUMMARY OF VOCs IN SOIL SAMPLES
CONVENTION CENTER INVESTIGATION**

Table O.2-32

Location ID	B-1104	B-1104	B-1201	B-1201	B-1202
Sample ID	B-1104-3-5	B-1104-8-10	B-1201-2-4	B-1201-6-8	B-1202-1.5-4
Depth	3-5	8-10	2-4	6-8	1.5-4
Dilution Factor	1.0	1.0	1.0	1.0	1.0
Sample Date	8/6/2004	8/6/2004	8/11/2004	8/10/2004	8/10/2004
Unit	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg
1,1,2-TRICHLOROETHANE	0.57 U	0.60 U	0.67 U	0.67 U	0.58 U
1,2-DICHLOROPROPANE	0.38 U	0.40 U	0.44 U	0.45 U	0.39 U
BROMODICHLOROMETHANE	0.38 U	0.40 U	0.44 U	0.44 U	0.38 U
BROMOMETHANE	0.80 U	0.84 U	0.93 U	0.94 U	0.81 U
CHLOROMETHANE	0.38 U	0.39 U	0.44 U	0.44 U	0.38 U
CIS-1,2-DICHLOROETHENE	0.4 U	0.4 U	0.5 U	0.5 U	0.4 U
CIS-1,3-DICHLOROPROPENE	0.22 U	0.23 U	0.26 U	0.26 U	0.22 U
M/P-XYLENE	0.58 U	0.61 U	0.68 U	0.69 U	0.59 U
O-XYLENE	0.5 U	0.5 U	0.6 U	0.6 U	0.5 U
TOTAL XYLENES	-	-	-	-	-
2-HEXANONE	3.6 U	3.8 U	4.2 U	4.3 U	4.8 J
STYRENE (MONOMER)	0.36 U	0.37 U	0.41 U	0.42 U	0.36 U
TRANS-1,3-DICHLOROPROPENE	0.29 U	0.30 U	0.34 U	0.34 U	0.29 U
TRIBOMOMETHANE	0.34 U	0.36 U	0.39 U	0.40 U	0.34 U
1,1,1-TRICHLOROETHANE	0.31 U	0.32 U	0.36 U	0.36 U	0.31 U
1,1,2,2-TETRACHLOROETHANE	0.60 U	0.63 U	0.70 U	0.71 U	0.61 U
1,1-DICHLOROETHANE	0.40 U	0.42 U	0.46 U	0.47 U	0.41 U
1,1-DICHLOROETHYLENE	0.24 U	0.26 U	0.28 U	0.29 U	0.25 U
1,2-DICHLOROETHANE	3.5 U	3.7 U	4.1 U	4.1 U	3.5 U
METHYL ETHYL KETONE (MEK)	2.6 U	2.7 U	3.0 U	3.0 U	2.6 U
4-METHYL-2-PENTANONE	2.7 U	2.9 U	3.2 U	3.2 U	2.8 U
ACETONE	57.0	32.0	42.0	50.0	34.0
BENZENE	0.23 U	0.24 U	0.27 U	0.27 U	0.23 U
CARBON DISULFIDE	4.50 J	0.12 U	0.13 U	0.13 U	0.12 U
CARBON TETRACHLORIDE	0.34 U	0.35 U	0.39 U	0.40 U	0.34 U
CHLOROBENZENE	0.4 U	0.4 U	0.5 U	0.5 U	0.4 U
CHLORODIBROMOMETHANE	0.33 U	0.35 U	0.38 U	0.39 U	0.33 U
CHLOROETHANE	0.6 U	0.6 U	0.7 U	0.7 U	0.6 U
CHLOROFORM	0.27 U	0.28 U	0.31 U	3.20 J	0.27 U
METHYLENE CHLORIDE	3.00 J	1.50 J	4.70 J	3.10 J	2.80 J
ETHYLBENZENE	0.28 U	0.30 U	0.33 U	0.33 U	0.29 U
TOLUENE	0.3 U	0.3 U	0.3 U	0.4 U	0.3 U
TETRACHLOROETHENE	0.7 U	0.8 U	0.8 U	1.4 J	1.0 J
TRANS-1,2-DICHLOROETHENE	0.42 U	0.44 U	0.49 U	0.49 U	0.43 U
TRICHLOROETHYLENE	0.36 U	0.38 U	0.42 U	0.43 U	0.37 U
VINYL CHLORIDE	0.27 U	0.28 U	0.31 U	0.31 U	0.27 U

Notes:

ug/kg: Micrograms per kilograms

MDL: Method detection limit

U: Indicates the compound was analyzed for but was not detected.

J: Indicates an estimated value.

D: Indicates the compound identified in an analysis at a secondary dilution factor.

Total Xylenes = M/P-Xylene + O-Xylene

**SUMMARY OF VOCs IN SOIL SAMPLES
CONVENTION CENTER INVESTIGATION**

Table O.2-32

Location ID	B-1202		B-1202		B-1202	
Sample ID	B-1202-5.5-8		B-1202-10-12		B-1202-10-12DL	
Depth	5.5-8		10-12		10-12	
Dilution Factor	1.0		1.0		10.0	
Sample Date	8/10/2004		8/11/2004		8/11/2004	
Unit	ug/Kg		ug/Kg		ug/Kg	
1,1,2-TRICHLOROETHANE	0.86	U	3.20	U	6.30	UD
1,2-DICHLOROPROPANE	0.57	U	2.10	U	4.20	UD
BROMODICHLOROMETHANE	0.56	U	2.10	U	4.20	UD
BROMOMETHANE	1.20	U	4.40	U	8.80	UD
CHLOROMETHANE	0.56	U	2.10	U	4.10	UD
CIS-1,2-DICHLOROETHENE	0.6	U	2.2	U	4.4	UD
CIS-1,3-DICHLOROPROPENE	0.33	U	1.20	U	2.40	UD
M/P-XYLENE	71.00		3.20	U	6.40	UD
O-XYLENE	32.0		2.7	U	5.4	UD
TOTAL XYLENES	103.00		-		-	
2-HEXANONE	5.4	U	20.0	U	40.0	UD
STYRENE (MONOMER)	0.53	U	2.00	U	3.90	UD
TRANS-1,3-DICHLOROPROPENE	0.43	U	1.60	U	3.20	UD
TRIBOMOMETHANE	0.51	U	1.90	U	3.70	UD
1,1,1-TRICHLOROETHANE	0.46	U	1.70	U	3.40	UD
1,1,2,2-TETRACHLOROETHANE	0.90	U	3.30	U	6.60	UD
1,1-DICHLOROETHANE	0.60	U	2.20	U	4.40	UD
1,1-DICHLOROETHYLENE	0.36	U	1.30	U	2.70	UD
1,2-DICHLOROETHANE	5.2	U	19.0	U	38.0	UD
METHYL ETHYL KETONE (MEK)	3.9	U	14.0	U	28.0	UD
4-METHYL-2-PENTANONE	4.1	U	15.0	U	30.0	UD
ACETONE	80.0		270.0		550.0	D
BENZENE	20.00		1.30	U	2.50	UD
CARBON DISULFIDE	0.17	U	0.63	U	1.30	UD
CARBON TETRACHLORIDE	0.51	U	1.90	U	3.70	UD
CHLOROBENZENE	0.6	U	2.2	U	4.4	UD
CHLORODIBROMOMETHANE	0.49	U	1.80	U	3.60	UD
CHLOROETHANE	0.9	U	3.3	U	6.6	UD
CHLOROFORM	0.40	U	1.50	U	3.00	UD
METHYLENE CHLORIDE	1.90	J	26.00	J	8.50	UD
ETHYLBENZENE	23.00		1.60	U	3.10	UD
TOLUENE	9.3		1.6	U	3.2	UD
TETRACHLOROETHENE	1.1	U	28.0	J	41.0	JD
TRANS-1,2-DICHLOROETHENE	0.63	U	2.30	U	4.60	UD
TRICHLOROETHYLENE	0.54	U	2.00	U	4.00	UD
VINYL CHLORIDE	0.40	U	1.50	U	2.90	UD

Notes:

ug/kg: Micrograms per kilograms

MDL: Method detection limit

U: Indicates the compound was analyzed for but was not detected.

J: Indicates an estimated value.

D: Indicates the compound identified in an analysis at a secondary dilution factor.

Total Xylenes = M/P-Xylene + O-Xylene

**SUMMARY OF SVOCs IN SOIL SAMPLES
CONVENTION CENTER INVESTIGATION**

Table O.2-33

Location ID	B-601		B-602		B-602		B-603	
Sample ID	B-601-2-4		B-602-3-5		B-602-6-8		B-603-4-6	
Depth	2-4		3-5		6-8		4-6	
Dilution Factor	1.0		1.0		1.0		1.0	
Sample Date	8/10/2004		8/10/2004		8/17/2004		8/11/2004	
Unit	ug/Kg		ug/Kg		ug/Kg		ug/Kg	
1,2,4-TRICHLOROBENZENE	22	U	110	U	44	U	110	U
CHRYSENE	2400		9500		650	J	32000	E
1,2-DICHLOROBENZENE	41	U	210	U	83	U	200	U
1,4-DICHLOROBENZENE	32	U	160	U	63	U	150	U
2,2'-OXYBIS(1-CHLOROPROPANE)	41	U	210	U	82	U	200	U
2,4,5-TRICHLOROPHENOL	50	U	260	U	100	U	240	U
2,4,6-TRICHLOROPHENOL	28	U	140	U	55	U	130	U
2,4-DICHLOROPHENOL	27	U	140	U	53	U	130	U
2,4-DIMETHYLPHENOL	41	U	210	U	82	U	200	U
2,4-DINITROPHENOL	34	U	170	U	67	U	160	U
2,4-DINITROTOLUENE	15	U	79	U	30	U	73	U
2,6-DINITROTOLUENE	32	U	170	U	65	U	160	U
2-CHLORONAPHTHALENE	16	U	82	U	32	U	77	U
2-CHLOROPHENOL	33	U	170	U	66	U	160	U
2-METHYLNAPHTHALENE	98	J	470	J	26	U	3400	J
2-METHYLPHENOL	48	U	250	U	96	U	230	U
2-NITROANILINE	28	U	140	U	55	U	130	U
2-NITROPHENOL	31	U	160	U	61	U	150	U
3,3'-DICHLOROBENZIDINE	120	U	630	U	240	U	590	U
ISOPHRONE	28	U	150	U	57	U	140	U
3-NITROANILINE	120	U	640	U	250	U	590	U
4,6-DINITRO-2-METHYLPHENOL	44	U	230	U	88	U	210	U
4-BROMOPHENYL PHENYL ETHER	20	U	100	U	40	U	97	U
4-CHLORO-3-METHYLPHENOL	23	U	120	U	45	U	110	U
4-CHLOROPHENYL PHENYL ETHER	19	U	98	U	38	U	91	U
4-METHYLPHENOL	35	U	180	U	70	U	170	U
4-NITROPHENOL	74	U	390	U	150	U	360	U
ACENAPHTHYLENE	90	J	840	J	46	U	3300	J
ACENAPHTHENE	350	J	530	J	34	U	6300	
ANTHRACENE	590	J	2800	J	170	J	21000	
BENZO(A)ANTHRACENE	2400		9500		550	J	40000	E
BENZO(A)PYRENE	2000		6400		620	J	28000	

Notes:

ug/kg: Micrograms per kilograms

MDL: Method detection limit

U: Indicates the compound was analyzed for but was not detected.

J: Indicates an estimated value.

D: Indicates the compound identified in an analysis at a secondary dilution factor.

B: Indicates the analyte was found in the blank.

E: Indicates the analyte's concentration exceeds the calibrated range of the instrument for that specific analysis.

**SUMMARY OF SVOCs IN SOIL SAMPLES
CONVENTION CENTER INVESTIGATION**

Table O.2-33

Location ID	B-601		B-602		B-602		B-603	
Sample ID	B-601-2-4		B-602-3-5		B-602-6-8		B-603-4-6	
Depth	2-4		3-5		6-8		4-6	
Dilution Factor	1.0		1.0		1.0		1.0	
Sample Date	8/10/2004		8/10/2004		8/17/2004		8/11/2004	
Unit	ug/Kg		ug/Kg		ug/Kg		ug/Kg	
BENZO(B)FLUORANTHENE	2300		6600		630	J	42000	E
BENZO(G,H,I)PERYLENE	920		1500	J	300	J	8100	
BENZO(K)FLUORANTHENE	960		1800	J	250	J	18000	
BENZYL BUTYL PHTHALATE	26	U	130	U	51	U	120	U
BIS(2-CHLOROETHOXY)METHANE	35	U	180	U	69	U	170	U
BIS(2-CHLOROETHYL-ETHER	37	U	190	U	75	U	180	U
BIS(2-ETHYLHEXYL)PHTHALATE	17	U	91	U	420	J	84	U
CARBAZOLE	320	J	87	U	34	U	9900	
DIBENZ(A,H)ANTHRACENE	110	J	540	J	45	U	1200	J
DIBENZOFURAN	200	J	130	U	50	U	8500	
DIETHYL PHTHALATE	24	U	120	U	48	U	120	U
DIMETHYL PHTHALATE	18	U	94	U	36	U	88	U
DI-N-BUTYLPHTHALATE	10	U	53	U	20	U	49	U
DI-N-OCTYL PHTHALATE	18	U	94	U	36	U	88	U
FLUORANTHENE	4800		7100		760	J	58000	E
FLUORENE	330	J	970	J	43	U	13000	
HEXACHLORO-1,3-BUTADIENE	27	U	140	U	53	U	130	U
HEXACHLOROBENZENE	14	U	74	U	28	U	69	U
HEXACHLOROCYCLOPENTADIENE	19	U	99	U	38	U	92	U
HEXACHLOROETHANE	36	U	190	U	73	U	180	U
INDENO(1,2,3-CD)PYRENE	1000		800	J	220	J	4900	
1,3-DICHLOROBENZENE	28	U	150	U	56	U	140	U
NAPHTHALENE	240	J	650	J	230	J	4900	
NITROBENZENE	39	U	200	U	77	U	190	U
N-NITROSODI-N-PROPYLAMINE	34	U	170	U	67	U	160	U
N-NITROSODIPHENYLAMINE	19	U	100	U	39	U	93	U
P-CHLOROANILINE	280	U	1500	U	560	U	1400	U
PENTACHLOROPHENOL	24	U	120	U	47	U	110	U
PHENANTHRENE	4200		13000		870	J	59000	E
PHENOL	32	U	160	U	63	U	150	U
P-NITROANILINE	60	U	310	U	120	U	290	U
PYRENE	5700		17000		1000	J	55000	E

Notes:

ug/kg: Micrograms per kilograms

MDL: Method detection limit

U: Indicates the compound was analyzed for but was not detected.

J: Indicates an estimated value.

D: Indicates the compound identified in an analysis at a secondary dilution factor.

B: Indicates the analyte was found in the blank.

E: Indicates the analyte's concentration exceeds the calibrated range of the instrument for that specific analysis.

**SUMMARY OF SVOCs IN SOIL SAMPLES
CONVENTION CENTER INVESTIGATION**

Table O.2-33

Location ID	B-603		B-603		B-603		B-604	
Sample ID	B-603-11-12		B-603-11-12DL		B-603-4-6DL		B-604-6-8	
Depth	11-12		11-12		4-6		6-8	
Dilution Factor	1.0		5.0		50.0		1.0	
Sample Date	8/23/2004		8/23/2004		8/11/2004		8/11/2004	
Unit	ug/Kg		ug/Kg		ug/Kg		ug/Kg	
1,2,4-TRICHLOROBENZENE	11	U	57	UD	1100	UD	10	U
CHRYSENE	1100		1300	JD	32000	JD	12	U
1,2-DICHLOROBENZENE	22	U	110	UD	2000	UD	20	U
1,4-DICHLOROBENZENE	17	U	83	UD	1500	UD	15	U
2,2'-OXYBIS(1-CHLOROPROPANE)	22	U	110	UD	2000	UD	20	U
2,4,5-TRICHLOROPHENOL	26	U	130	UD	2400	UD	24	U
2,4,6-TRICHLOROPHENOL	14	U	72	UD	1300	UD	13	U
2,4-DICHLOROPHENOL	14	U	70	UD	1300	UD	13	U
2,4-DIMETHYLPHENOL	22	U	110	UD	2000	UD	20	U
2,4-DINITROPHENOL	18	U	88	UD	1600	UD	16	U
2,4-DINITROTOLUENE	7.9	U	40	UD	730	UD	7.3	U
2,6-DINITROTOLUENE	17	U	85	UD	1600	UD	16	U
2-CHLORONAPHTHALENE	8.3	U	42	UD	770	UD	7.6	U
2-CHLOROPHENOL	17	U	86	UD	1600	UD	16	U
2-METHYLNAPHTHALENE	4900	E	3900	D	630	UD	6.3	U
2-METHYLPHENOL	25	U	130	UD	2300	UD	23	U
2-NITROANILINE	14	U	72	UD	1300	UD	13	U
2-NITROPHENOL	16	U	80	UD	1500	UD	15	U
3,3'-DICHLOROBENZIDINE	64	U	320	UD	5900	UD	58	U
ISOPHRONE	15	U	74	UD	1400	UD	14	U
3-NITROANILINE	64	U	320	UD	5900	UD	59	U
4,6-DINITRO-2-METHYLPHENOL	23	U	120	UD	2100	UD	21	U
4-BROMOPHENYL PHENYL ETHER	10	U	52	UD	970	UD	9.6	U
4-CHLORO-3-METHYLPHENOL	12	U	59	UD	1100	UD	11	U
4-CHLOROPHENYL PHENYL ETHER	9.9	U	49	UD	910	UD	9	U
4-METHYLPHENOL	18	U	92	UD	1700	UD	17	U
4-NITROPHENOL	39	U	190	UD	3600	UD	36	U
ACENAPHTHYLENE	12	U	60	UD	1100	UD	11	U
ACENAPHTHENE	5700	E	7300	D	6600	JD	8	U
ANTHRACENE	2100		2500	D	26000	JD	8.7	U
BENZO(A)ANTHRACENE	1500		1600	JD	38000	D	5.5	U
BENZO(A)PYRENE	610		590	JD	28000	JD	6.3	U

Notes:

ug/kg: Micrograms per kilograms

MDL: Method detection limit

U: Indicates the compound was analyzed for but was not detected.

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D: Indicates the compound identified in an analysis at a secondary dilution factor.

B: Indicates the analyte was found in the blank.

E: Indicates the analyte's concentration exceeds the calibrated range of the instrument for that specific analysis.

**SUMMARY OF SVOCs IN SOIL SAMPLES
CONVENTION CENTER INVESTIGATION**

Table O.2-33

Location ID	B-603		B-603		B-603		B-604	
Sample ID	B-603-11-12		B-603-11-12DL		B-603-4-6DL		B-604-6-8	
Depth	11-12		11-12		4-6		6-8	
Dilution Factor	1.0		5.0		50.0		1.0	
Sample Date	8/23/2004		8/23/2004		8/11/2004		8/11/2004	
Unit	ug/Kg		ug/Kg		ug/Kg		ug/Kg	
BENZO(B)FLUORANTHENE	510		980	JD	41000	JD	19	U
BENZO(G,H,I)PERYLENE	220	J	87	UD	9000	JD	16	U
BENZO(K)FLUORANTHENE	700		340	JD	13000	JD	12	U
BENZYL BUTYL PHTHALATE	13	U	67	UD	1200	UD	12	U
BIS(2-CHLOROETHOXY)METHANE	18	U	91	UD	1700	UD	17	U
BIS(2-CHLOROETHYL-ETHER	20	U	98	UD	1800	UD	18	U
BIS(2-ETHYLHEXYL)PHTHALATE	9.2	U	46	UD	840	UD	8.4	U
CARBAZOLE	8.8	U	44	UD	10000	JD	8	U
DIBENZ(A,H)ANTHRACENE	12	U	58	UD	1100	UD	11	U
DIBENZOFURAN	2700		2900	D	8700	JD	12	U
DIETHYL PHTHALATE	13	U	63	UD	1200	UD	11	U
DIMETHYL PHTHALATE	9.5	U	48	UD	880	UD	8.7	U
DI-N-BUTYLPHthalate	5.3	U	26	UD	490	UD	4.8	U
DI-N-OCTYL PHTHALATE	9.5	U	48	UD	880	UD	8.7	U
FLUORANTHENE	5700	E	8600	D	89000	D	5.1	U
FLUORENE	4400	E	5300	D	15000	JD	10	U
HEXACHLORO-1,3-BUTADIENE	14	U	70	UD	1300	UD	13	U
HEXACHLOROBENZENE	7.5	U	37	UD	690	UD	6.8	U
HEXACHLOROCYCLOPENTADIENE	10	U	50	UD	920	UD	9.1	U
HEXACHLOROETHANE	19	U	95	UD	1800	UD	17	U
INDENO(1,2,3-CD)PYRENE	230	J	48	UD	5800	JD	8.8	U
1,3-DICHLOROBENZENE	15	U	73	UD	1400	UD	13	U
NAPHTHALENE	3500	E	480	JD	5100	JD	7.9	U
NITROBENZENE	20	U	100	UD	1900	UD	19	U
N-NITROSODI-N-PROPYLAMINE	18	U	88	UD	1600	UD	16	U
N-NITROSODIPHENYLAMINE	10	U	51	UD	930	UD	9.3	U
P-CHLOROANILINE	150	U	740	UD	14000	UD	130	U
PENTACHLOROPHENOL	12	U	62	UD	1100	UD	11	U
PHENANTHRENE	7700	E	12000	D	97000	D	8.2	U
PHENOL	17	U	83	UD	1500	UD	15	U
P-NITROANILINE	31	U	160	UD	2900	UD	29	U
PYRENE	5200	E	7200	D	69000	D	6.5	U

Notes:

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D: Indicates the compound identified in an analysis at a secondary dilution factor.

B: Indicates the analyte was found in the blank.

E: Indicates the analyte's concentration exceeds the calibrated range of the instrument for that specific analysis.

**SUMMARY OF SVOCs IN SOIL SAMPLES
CONVENTION CENTER INVESTIGATION**

Table O.2-33

Location ID	B-604		B-605		B-605		B-605	
Sample ID	B-604-10-12		B-605-0-2		B-605-11-13.5		B-605-11-13.5DL	
Depth	10-12		0-2		11-13.5		11-13.5	
Dilution Factor	1.0		1.0		1.0		5.0	
Sample Date	8/11/2004		8/5/2004		8/5/2004		8/5/2004	
Unit	ug/Kg		ug/Kg		ug/Kg		ug/Kg	
1,2,4-TRICHLOROBENZENE	10	U	100	U	10	U	50	UD
CHRYSENE	11	U	990	J	1500		1400	JD
1,2-DICHLOROBENZENE	19	U	190	U	19	U	96	UD
1,4-DICHLOROBENZENE	15	U	150	U	15	U	73	UD
2,2'-OXYBIS(1-CHLOROPROPANE)	19	U	190	U	19	U	95	UD
2,4,5-TRICHLOROPHENOL	23	U	230	U	23	U	120	UD
2,4,6-TRICHLOROPHENOL	13	U	130	U	13	U	64	UD
2,4-DICHLOROPHENOL	12	U	120	U	12	U	62	UD
2,4-DIMETHYLPHENOL	19	U	190	U	19	U	95	UD
2,4-DINITROPHENOL	16	U	150	U	16	U	78	UD
2,4-DINITROTOLUENE	7	U	70	U	7	U	35	UD
2,6-DINITROTOLUENE	15	U	150	U	15	U	75	UD
2-CHLORONAPHTHALENE	7.3	U	73	U	7.3	U	37	UD
2-CHLOROPHENOL	15	U	150	U	15	U	76	UD
2-METHYLNAPHTHALENE	6.1	U	60	U	130	J	30	UD
2-METHYLPHENOL	22	U	220	U	22	U	110	UD
2-NITROANILINE	13	U	130	U	13	U	64	UD
2-NITROPHENOL	14	U	140	U	14	U	71	UD
3,3'-DICHLOROBENZIDINE	56	U	560	U	56	U	280	UD
ISOPHRONE	13	U	130	U	13	U	65	UD
3-NITROANILINE	57	U	560	U	57	U	280	UD
4,6-DINITRO-2-METHYLPHENOL	20	U	200	U	20	U	100	UD
4-BROMOPHENYL PHENYL ETHER	9.2	U	92	U	9.2	U	46	UD
4-CHLORO-3-METHYLPHENOL	10	U	100	U	10	U	52	UD
4-CHLOROPHENYL PHENYL ETHER	8.7	U	86	U	8.7	U	44	UD
4-METHYLPHENOL	16	U	160	U	16	U	81	UD
4-NITROPHENOL	34	U	340	U	34	U	170	UD
ACENAPHTHYLENE	11	U	100	U	72	J	53	UD
ACENAPTHENE	7.8	U	77	U	370		340	JD
ANTHRACENE	8.4	U	83	U	800		760	JD
BENZO(A)ANTHRACENE	5.3	U	950	J	1600		1500	JD
BENZO(A)PYRENE	6.1	U	710	J	1000		1000	JD

Notes:

ug/kg: Micrograms per kilograms

MDL: Method detection limit

U: Indicates the compound was analyzed for but was not detected.

J: Indicates an estimated value.

D: Indicates the compound identified in an analysis at a secondary dilution factor.

B: Indicates the analyte was found in the blank.

E: Indicates the analyte's concentration exceeds the calibrated range of the instrument for that specific analysis.

**SUMMARY OF SVOCs IN SOIL SAMPLES
CONVENTION CENTER INVESTIGATION**

Table O.2-33

Location ID	B-604		B-605		B-605		B-605	
Sample ID	B-604-10-12		B-605-0-2		B-605-11-13.5		B-605-11-13.5DL	
Depth	10-12		0-2		11-13.5		11-13.5	
Dilution Factor	1.0		1.0		1.0		5.0	
Sample Date	8/11/2004		8/5/2004		8/5/2004		8/5/2004	
Unit	ug/Kg		ug/Kg		ug/Kg		ug/Kg	
BENZO(B)FLUORANTHENE	19	U	950	J	1200		1700	JD
BENZO(G,H,I)PERYLENE	15	U	150	U	470		280	JD
BENZO(K)FLUORANTHENE	12	U	370	J	560		390	JD
BENZYL BUTYL PHTHALATE	12	U	120	U	12	U	59	UD
BIS(2-CHLOROETHOXY)METHANE	16	U	160	U	16	U	80	UD
BIS(2-CHLOROETHYL-ETHER	17	U	170	U	17	U	87	UD
BIS(2-ETHYLHEXYL)PHTHALATE	8.1	U	80	U	47	J	40	UD
CARBAZOLE	7.8	U	77	U	400		350	JD
DIBENZ(A,H)ANTHRACENE	10	U	100	U	78	J	51	UD
DIBENZOFURAN	12	U	110	U	270	J	230	JD
DIETHYL PHTHALATE	11	U	110	U	11	U	55	UD
DIMETHYL PHTHALATE	8.4	U	83	U	8.4	U	42	UD
DI-N-BUTYLPHTHALATE	4.7	U	46	U	4.7	U	23	UD
DI-N-OCTYL PHTHALATE	8.4	U	83	U	8.4	U	42	UD
FLUORANTHENE	4.9	U	1500	J	3000	E	2900	D
FLUORENE	10	U	99	U	400		360	JD
HEXACHLORO-1,3-BUTADIENE	12	U	120	U	12	U	62	UD
HEXACHLOROBENZENE	6.6	U	65	U	6.6	U	33	UD
HEXACHLOROCYCLOPENTADIENE	8.8	U	87	U	8.8	U	44	UD
HEXACHLOROETHANE	17	U	170	U	17	U	84	UD
INDENO(1,2,3-CD)PYRENE	8.5	U	84	U	540		180	JD
1,3-DICHLOROBENZENE	13	U	130	U	13	U	65	UD
NAPHTHALENE	7.6	U	76	U	250	J	220	JD
NITROBENZENE	18	U	180	U	18	U	89	UD
N-NITROSODI-N-PROPYLAMINE	16	U	150	U	16	U	78	UD
N-NITROSODIPHENYLAMINE	8.9	U	88	U	8.9	U	45	UD
P-CHLOROANILINE	130	U	1300	U	130	U	650	UD *
PENTACHLOROPHENOL	11	U	110	U	11	U	55	UD
PHENANTHRENE	7.9	U	820	J	3300	E	3100	D
PHENOL	15	U	150	U	15	U	73	UD *
P-NITROANILINE	28	U	270	U	28	U	140	UD
PYRENE	6.3	U	2100	J	3300	E	3300	D

Notes:

ug/kg: Micrograms per kilograms

MDL: Method detection limit

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J: Indicates an estimated value.

D: Indicates the compound identified in an analysis at a secondary dilution factor.

B: Indicates the analyte was found in the blank.

E: Indicates the analyte's concentration exceeds the calibrated range of the instrument for that specific analysis.

**SUMMARY OF SVOCs IN SOIL SAMPLES
CONVENTION CENTER INVESTIGATION**

Table O.2-33

Location ID	B-606		B-606		B-606		B-607	
Sample ID	B-606-0-2		B-606-11-13.5		DUP		B-607-3-4	
Depth	0-2		11-13.5		11-13.5		3-4	
Dilution Factor	1.0		1.0		1.0		1.0	
Sample Date	8/5/2004		8/5/2004		8/5/2004		8/10/2004	
Unit	ug/Kg		ug/Kg		ug/Kg		ug/Kg	
1,2,4-TRICHLOROBENZENE	510	U	100	U	100	U	21	U
CHRYSENE	2100	J	2500	J	2300	J	5000	
1,2-DICHLOROBENZENE	970	U	200	U	200	U	39	U
1,4-DICHLOROBENZENE	740	U	150	U	150	U	30	U
2,2'-OXYBIS(1-CHLOROPROPANE)	960	U	200	U	190	U	39	U
2,4,5-TRICHLOROPHENOL	1200	U	240	U	240	U	48	U
2,4,6-TRICHLOROPHENOL	640	U	130	U	130	U	26	U
2,4-DICHLOROPHENOL	620	U	130	U	130	U	25	U
2,4-DIMETHYLPHENOL	960	U	200	U	190	U	39	U
2,4-DINITROPHENOL	780	U	160	U	160	U	32	U
2,4-DINITROTOLUENE	350	U	73	U	72	U	14	U
2,6-DINITROTOLUENE	760	U	160	U	150	U	31	U
2-CHLORONAPHTHALENE	370	U	76	U	75	U	15	U
2-CHLOROPHENOL	770	U	160	U	160	U	31	U
2-METHYLNAPHTHALENE	310	U	63	U	62	U	12	U
2-METHYLPHENOL	1100	U	230	U	230	U	46	U
2-NITROANILINE	640	U	130	U	130	U	26	U
2-NITROPHENOL	710	U	150	U	140	U	29	U
3,3'-DICHLOROBENZIDINE	2900	U	590	U	580	U	120	U
ISOPHRONE	660	U	140	U	130	U	27	U
3-NITROANILINE	2900	U	590	U	580	U	120	U
4,6-DINITRO-2-METHYLPHENOL	1000	U	210	U	210	U	42	U
4-BROMOPHENYL PHENYL ETHER	470	U	96	U	95	U	19	U
4-CHLORO-3-METHYLPHENOL	530	U	110	U	110	U	21	U
4-CHLOROPHENYL PHENYL ETHER	440	U	91	U	89	U	18	U
4-METHYLPHENOL	820	U	170	U	170	U	33	U
4-NITROPHENOL	1700	U	360	U	350	U	71	U
ACENAPHTHYLENE	530	U	110	U	110	U	380	J
ACENAPTHENE	390	U	81	U	79	U	310	J
ANTHRACENE	420	U	1000	J	770	J	1100	
BENZO(A)ANTHRACENE	1800	J	2700	J	2400	J	5900	E
BENZO(A)PYRENE	310	U	2000	J	1700	J	3800	

Notes:

ug/kg: Micrograms per kilograms

MDL: Method detection limit

U: Indicates the compound was analyzed for but was not detected.

J: Indicates an estimated value.

D: Indicates the compound identified in an analysis at a secondary dilution factor.

B: Indicates the analyte was found in the blank.

E: Indicates the analyte's concentration exceeds the calibrated range of the instrument for that specific analysis.

**SUMMARY OF SVOCs IN SOIL SAMPLES
CONVENTION CENTER INVESTIGATION**

Table O.2-33

Location ID	B-606		B-606		B-606		B-607	
Sample ID	B-606-0-2		B-606-11-13.5		DUP		B-607-3-4	
Depth	0-2		11-13.5		11-13.5		3-4	
Dilution Factor	1.0		1.0		1.0		1.0	
Sample Date	8/5/2004		8/5/2004		8/5/2004		8/10/2004	
Unit	ug/Kg		ug/Kg		ug/Kg		ug/Kg	
BENZO(B)FLUORANTHENE	940	U	2300	J	2600	J	5500	
BENZO(G,H,I)PERYLENE	770	U	710	J	630	J	1500	
BENZO(K)FLUORANTHENE	610	U	1500	J	890	J	1500	
BENZYL BUTYL PHTHALATE	600	U	120	U	120	U	24	U
BIS(2-CHLOROETHOXY)METHANE	810	U	170	U	160	U	33	U
BIS(2-CHLOROETHYL-ETHER	880	U	180	U	180	U	36	U
BIS(2-ETHYLHEXYL)PHTHALATE	410	U	84	U	83	U	17	U
CARBAZOLE	390	U	81	U	79	U	340	J
DIBENZ(A,H)ANTHRACENE	520	U	110	U	110	U	210	J
DIBENZOFURAN	590	U	120	U	120	U	170	J
DIETHYL PHTHALATE	560	U	110	U	110	U	23	U
DIMETHYL PHTHALATE	420	U	87	U	86	U	17	U
DI-N-BUTYLPHthalate	240	U	49	U	48	U	9.6	U
DI-N-OCTYL PHTHALATE	420	U	87	U	86	U	17	U
FLUORANTHENE	3300	J	5000		4300		9100	E
FLUORENE	500	U	100	U	100	U	310	J
HEXACHLORO-1,3-BUTADIENE	620	U	130	U	130	U	25	U
HEXACHLOROBENZENE	330	U	68	U	67	U	14	U
HEXACHLOROCYCLOPENTADIENE	450	U	92	U	90	U	18	U
HEXACHLOROETHANE	850	U	170	U	170	U	35	U
INDENO(1,2,3-CD)PYRENE	430	U	560	J	550	J	1700	
1,3-DICHLOROBENZENE	660	U	130	U	130	U	27	U
NAPHTHALENE	390	U	80	U	78	U	140	J
NITROBENZENE	900	U	190	U	180	U	37	U
N-NITROSODI-N-PROPYLAMINE	780	U	160	U	160	U	32	U
N-NITROSODIPHENYLAMINE	450	U	93	U	91	U	18	U
P-CHLOROANILINE	6600	U	1400	U	1300	U	270	U
PENTACHLOROPHENOL	550	U	110	U	110	U	23	U
PHENANTHRENE	2600	J	3700		3100	J	5800	
PHENOL	740	U	150	U	150	U	30	U
P-NITROANILINE	1400	U	290	U	280	U	57	U
PYRENE	4400	J	6000		5400		10000	E

Notes:

ug/kg: Micrograms per kilograms

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D: Indicates the compound identified in an analysis at a secondary dilution factor.

B: Indicates the analyte was found in the blank.

E: Indicates the analyte's concentration exceeds the calibrated range of the instrument for that specific analysis.

**SUMMARY OF SVOCs IN SOIL SAMPLES
CONVENTION CENTER INVESTIGATION**

Table O.2-33

Location ID	B-607		B-701		B-701		B-702	
Sample ID	B-607-3-4DL		B-701-2-5		B-701-6-9		B-702-10-12	
Depth	3-4		2-5		6-9		10-12	
Dilution Factor	5.0		1.0		1.0		1.0	
Sample Date	8/10/2004		8/12/2004		8/13/2004		8/11/2004	
Unit	ug/Kg		ug/Kg		ug/Kg		ug/Kg	
1,2,4-TRICHLOROBENZENE	100	UD	25	U	13	U	11	U
CHRYSENE	4700	D	160	J	220	J	490	
1,2-DICHLOROBENZENE	200	UD	48	U	24	U	21	U
1,4-DICHLOROBENZENE	150	UD	37	U	19	U	16	U
2,2'-OXYBIS(1-CHLOROPROPANE)	200	UD	48	U	24	U	21	U
2,4,5-TRICHLOROPHENOL	240	UD *	58	U	29	U	26	U
2,4,6-TRICHLOROPHENOL	130	UD	32	U	16	U	14	U
2,4-DICHLOROPHENOL	130	UD	31	U	16	U	14	U
2,4-DIMETHYLPHENOL	200	UD	48	U	24	U	21	U
2,4-DINITROPHENOL	160	UD	39	U	20	U	17	U
2,4-DINITROTOLUENE	72	UD	18	U	8.9	U	7.8	U
2,6-DINITROTOLUENE	150	UD	38	U	19	U	17	U
2-CHLORONAPHTHALENE	76	UD	18	U	9.3	U	8.1	U
2-CHLOROPHENOL	160	UD	38	U	19	U	17	U
2-METHYLNAPHTHALENE	62	UD	15	U	7.7	U	6.7	U
2-METHYLPHENOL	230	UD	56	U	28	U	25	U
2-NITROANILINE	130	UD	32	U	16	U	14	U
2-NITROPHENOL	150	UD	35	U	18	U	16	U
3,3'-DICHLOROBENZIDINE	580	UD	140	U	71	U	63	U
ISOPHRONE	130	UD	33	U	17	U	15	U
3-NITROANILINE	590	UD	140	U	72	U	63	U
4,6-DINITRO-2-METHYLPHENOL	210	UD	51	U	26	U	23	U
4-BROMOPHENYL PHENYL ETHER	95	UD	23	U	12	U	10	U
4-CHLORO-3-METHYLPHENOL	110	UD	26	U	13	U	12	U
4-CHLOROPHENYL PHENYL ETHER	90	UD	22	U	11	U	9.7	U
4-METHYLPHENOL	170	UD	41	U	20	U	18	U
4-NITROPHENOL	350	UD	86	U	43	U	38	U
ACENAPHTHYLENE	110	UD	26	U	13	U	12	U
ACENAPTHENE	80	UD	19	U	9.8	U	97	J
ANTHRACENE	890	JD	21	U	11	U	230	J
BENZO(A)ANTHRACENE	5200	D	210	J	400	J	560	
BENZO(A)PYRENE	3700	D	140	J	330	J	490	

Notes:

ug/kg: Micrograms per kilograms

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B: Indicates the analyte was found in the blank.

E: Indicates the analyte's concentration exceeds the calibrated range of the instrument for that specific analysis.

**SUMMARY OF SVOCs IN SOIL SAMPLES
CONVENTION CENTER INVESTIGATION**

Table O.2-33

Location ID	B-607		B-701		B-701		B-702	
Sample ID	B-607-3-4DL		B-701-2-5		B-701-6-9		B-702-10-12	
Depth	3-4		2-5		6-9		10-12	
Dilution Factor	5.0		1.0		1.0		1.0	
Sample Date	8/10/2004		8/12/2004		8/13/2004		8/11/2004	
Unit	ug/Kg		ug/Kg		ug/Kg		ug/Kg	
BENZO(B)FLUORANTHENE	5600	D	210	J	360	J	570	
BENZO(G,H,I)PERYLENE	1100	JD	38	U	190	J	170	J
BENZO(K)FLUORANTHENE	2000	JD	30	U	160	J	290	J
BENZYL BUTYL PHTHALATE	120	UD	30	U	15	U	13	U
BIS(2-CHLOROETHOXY)METHANE	170	UD	40	U	20	U	18	U
BIS(2-CHLOROETHYL-ETHER	180	UD	43	U	22	U	19	U
BIS(2-ETHYLHEXYL)PHTHALATE	83	UD	20	U	10	U	9	U
CARBAZOLE	80	UD	19	U	9.8	U	76	J
DIBENZ(A,H)ANTHRACENE	110	UD	26	U	13	U	11	U
DIBENZOFURAN	120	UD	29	U	15	U	48	J
DIETHYL PHTHALATE	110	UD	28	U	14	U	12	U
DIMETHYL PHTHALATE	87	UD	21	U	11	U	9.3	U
DI-N-BUTYLPHTHALATE	48	UD	12	U	5.9	U	5.2	U
DI-N-OCTYL PHTHALATE	87	UD	21	U	11	U	9.3	U
FLUORANTHENE	9500	D	330	J	610		1000	
FLUORENE	100	UD	25	U	13	U	100	J
HEXACHLORO-1,3-BUTADIENE	130	UD	31	U	16	U	14	U
HEXACHLOROBENZENE	68	UD	17	U	8.3	U	7.3	U
HEXACHLOROCYCLOPENTADIENE	91	UD	22	U	11	U	9.8	U
HEXACHLOROETHANE	170	UD	42	U	21	U	19	U
INDENO(1,2,3-CD)PYRENE	870	JD	21	U	150	J	130	J
1,3-DICHLOROBENZENE	130	UD	33	U	16	U	14	U
NAPHTHALENE	79	UD	19	U	9.7	U	57	J
NITROBENZENE	180	UD	45	U	23	U	20	U
N-NITROSODI-N-PROPYLAMINE	160	UD	39	U	20	U	17	U
N-NITROSODIPHENYLAMINE	92	UD	22	U	11	U	9.9	U
P-CHLOROANILINE	1300	UD	330	U	160	U	140	U
PENTACHLOROPHENOL	110	UD	27	U	14	U	12	U
PHENANTHRENE	5400	D	220	J	81	J	850	
PHENOL	150	UD	37	U	19	U	16	U
P-NITROANILINE	280	UD	69	U	35	U	31	U
PYRENE	12000	D	320	J	710		880	

Notes:

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B: Indicates the analyte was found in the blank.

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**SUMMARY OF SVOCs IN SOIL SAMPLES
CONVENTION CENTER INVESTIGATION**

Table O.2-33

Location ID	B-702		B-801		B-801		B-801	
Sample ID	B-702-14-15		B-801-3-4		B-801-3-4DL		B-801-10-12	
Depth	14-15		3-4		3-4		10-12	
Dilution Factor	1.0		1.0		5.0		1.0	
Sample Date	8/11/2004		8/10/2004		8/10/2004		8/10/2004	
Unit	ug/Kg		ug/Kg		ug/Kg		ug/Kg	
1,2,4-TRICHLOROBENZENE	14	U	110	U	560	UD	610	U
CHRYSENE	61	J	23000		25000	D	3300	J
1,2-DICHLOROBENZENE	26	U	210	U	1100	UD	1200	U
1,4-DICHLOROBENZENE	20	U	160	U	820	UD	890	U
2,2'-OXYBIS(1-CHLOROPROPANE)	26	U	210	U	1100	UD	1200	U
2,4,5-TRICHLOROPHENOL	31	U	260	U	1300	UD	1400	U
2,4,6-TRICHLOROPHENOL	17	U	140	U	710	UD	770	U
2,4-DICHLOROPHENOL	17	U	140	U	690	UD	750	U
2,4-DIMETHYLPHENOL	26	U	210	U	1100	UD	1200	U
2,4-DINITROPHENOL	21	U	170	U	870	UD	940	U
2,4-DINITROTOLUENE	9.4	U	78	U	390	UD	420	U
2,6-DINITROTOLUENE	20	U	170	U	840	UD	910	U
2-CHLORONAPHTHALENE	9.8	U	82	U	410	UD	440	U
2-CHLOROPHENOL	20	U	170	U	850	UD	920	U
2-METHYLNAPHTHALENE	8.1	U	450	J	340	UD	370	U
2-METHYLPHENOL	30	U	250	U	1200	UD	1300	U
2-NITROANILINE	17	U	140	U	710	UD	770	U
2-NITROPHENOL	19	U	160	U	790	UD	850	U
3,3'-DICHLOROBENZIDINE	76	U	630	U	3100	UD	3400	U
ISOPHRONE	18	U	150	U	730	UD	790	U
3-NITROANILINE	76	U	630	U	3200	UD	3400	U
4,6-DINITRO-2-METHYLPHENOL	27	U	230	U	1100	UD	1200	U
4-BROMOPHENYL PHENYL ETHER	12	U	100	U	520	UD	560	U
4-CHLORO-3-METHYLPHENOL	14	U	120	U	580	UD	630	U
4-CHLOROPHENYL PHENYL ETHER	12	U	97	U	490	UD	530	U
4-METHYLPHENOL	270	J	180	U	900	UD	980	U
4-NITROPHENOL	46	U	380	U	1900	UD	2100	U
ACENAPHTHYLENE	14	U	490	J	590	UD	640	U
ACENAPTHENE	10	U	3900	J	4000	JD	470	U
ANTHRACENE	11	U	11000		11000	JD	510	U
BENZO(A)ANTHRACENE	61	J	27000		27000	D	3700	J
BENZO(A)PYRENE	57	J	18000		18000	JD	3200	J

Notes:

ug/kg: Micrograms per kilograms

MDL: Method detection limit

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D: Indicates the compound identified in an analysis at a secondary dilution factor.

B: Indicates the analyte was found in the blank.

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**SUMMARY OF SVOCs IN SOIL SAMPLES
CONVENTION CENTER INVESTIGATION**

Table O.2-33

Location ID	B-702		B-801		B-801		B-801	
Sample ID	B-702-14-15		B-801-3-4		B-801-3-4DL		B-801-10-12	
Depth	14-15		3-4		3-4		10-12	
Dilution Factor	1.0		1.0		5.0		1.0	
Sample Date	8/11/2004		8/10/2004		8/10/2004		8/10/2004	
Unit	ug/Kg		ug/Kg		ug/Kg		ug/Kg	
BENZO(B)FLUORANTHENE	70	J	22000		22000	D	2700	J
BENZO(G,H,I)PERYLENE	21	U	4700		5200	JD	930	U
BENZO(K)FLUORANTHENE	16	U	9700		11000	JD	3400	J
BENZYL BUTYL PHTHALATE	16	U	1100	J	660	UD	710	U
BIS(2-CHLOROETHOXY)METHANE	22	U	180	U	890	UD	970	U
BIS(2-CHLOROETHYL-ETHER	23	U	190	U	970	UD	1000	U
BIS(2-ETHYLHEXYL)PHTHALATE	11	U	540	JB	450	UD	490	U
CARBAZOLE	10	U	1100	J	430	UD	470	U
DIBENZ(A,H)ANTHRACENE	14	U	540	J	570	UD	620	U
DIBENZOFURAN	16	U	1700	J	650	UD	700	U
DIETHYL PHTHALATE	15	U	120	U	620	UD	670	U
DIMETHYL PHTHALATE	11	U	94	U	470	UD	510	U
DI-N-BUTYLPHthalate	6.3	U	52	U	260	UD	280	U
DI-N-OCTYL PHTHALATE	11	U	94	U	470	UD	510	U
FLUORANTHENE	130	J	42000	E	51000	D *	6500	J
FLUORENE	13	U	4100		3800	JD	600	U
HEXACHLORO-1,3-BUTADIENE	17	U	140	U	690	UD	750	U
HEXACHLOROBENZENE	8.8	U	73	U	370	UD	400	U
HEXACHLOROCYCLOPENTADIENE	12	U	98	U	490	UD	530	U
HEXACHLOROETHANE	23	U	190	U	940	UD	1000	U
INDENO(1,2,3-CD)PYRENE	11	U	4200		3800	JD	510	U
1,3-DICHLOROBENZENE	17	U	140	U	720	UD	780	U
NAPHTHALENE	10	U	85	U	430	UD	460	U
NITROBENZENE	24	U	200	U	1000	UD	1100	U
N-NITROSODI-N-PROPYLAMINE	21	U	170	U	870	UD	940	U
N-NITROSODIPHENYLAMINE	12	U	100	U	500	UD	540	U
P-CHLOROANILINE	170	U	1500	U	7300	UD	7900	U
PENTACHLOROPHENOL	15	U	120	U	610	UD	660	U
PHENANTHRENE	100	J	33000	E	39000	UD	6300	J
PHENOL	20	U	160	U	820	UD	890	U
P-NITROANILINE	37	U	310	U	1500	UD	1700	U
PYRENE	110	J	53000	E	69000	D	7800	J

Notes:

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**SUMMARY OF SVOCs IN SOIL SAMPLES
CONVENTION CENTER INVESTIGATION**

Table O.2-33

Location ID	B-801		B-801		B-802		B-901	
Sample ID	B-801-10-12RE		B-801-13-15		B-802-3-4		B-901-3-5	
Depth	10-12		13-15		3-4		3-5	
Dilution Factor	1.0		1.0		1.0		1.0	
Sample Date	8/10/2004		8/12/2004		8/12/2004		8/9/2004	
Unit	ug/Kg		ug/Kg		ug/Kg		ug/Kg	
1,2,4-TRICHLOROBENZENE	610	U	21	U	11	U	23	U
CHRYSENE	3200	J	480	J	12	U	550	J
1,2-DICHLOROBENZENE	1200	U	39	U	20	U	43	U
1,4-DICHLOROBENZENE	890	U	30	U	15	U	33	U
2,2'-OXYBIS(1-CHLOROPROPANE)	1200	U	39	U	20	U	43	U
2,4,5-TRICHLOROPHENOL	1400	U	48	U	24	U	52	U
2,4,6-TRICHLOROPHENOL	770	U	26	U	13	U	29	U
2,4-DICHLOROPHENOL	750	U	25	U	13	U	28	U
2,4-DIMETHYLPHENOL	1200	U	39	U	20	U	43	U
2,4-DINITROPHENOL	940	U	32	U	16	U	35	U
2,4-DINITROTOLUENE	420	U	14	U	7.3	U	16	U
2,6-DINITROTOLUENE	910	U	31	U	16	U	34	U
2-CHLORONAPHTHALENE	440	U	15	U	7.6	U	16	U
2-CHLOROPHENOL	920	U	31	U	16	U	34	U
2-METHYLNAPHTHALENE	370	U	12	U	6.3	U	14	U
2-METHYLPHENOL	1300	U	46	U	23	U	50	U
2-NITROANILINE	770	U	26	U	13	U	29	U
2-NITROPHENOL	850	U	29	U	15	U	32	U
3,3'-DICHLOROBENZIDINE	3400	U	120	U	59	U	130	U
ISOPHRONE	790	U	27	U	14	U	29	U
3-NITROANILINE	3400	U	120	U	59	U	130	U
4,6-DINITRO-2-METHYLPHENOL	1200	U	42	U	21	U	46	U
4-BROMOPHENYL PHENYL ETHER	560	U	19	U	9.6	U	21	U
4-CHLORO-3-METHYLPHENOL	630	U	21	U	11	U	23	U
4-CHLOROPHENYL PHENYL ETHER	530	U	18	U	9.1	U	20	U
4-METHYLPHENOL	980	U	33	U	17	U	36	U
4-NITROPHENOL	2100	U	70	U	36	U	77	U
ACENAPHTHYLENE	640	U	22	U	11	U	24	U
ACENAPTHENE	470	U	110	J	8.1	U	130	J
ANTHRACENE	510	U	260	J	8.7	U	310	J
BENZO(A)ANTHRACENE	3800	J	650	J	5.5	U	550	J*
BENZO(A)PYRENE	3600	J	390	J	6.3	U	410	J*

Notes:

ug/kg: Micrograms per kilograms

MDL: Method detection limit

U: Indicates the compound was analyzed for but was not detected

J: Indicates an estimated value.

D: Indicates the compound identified in an analysis at a secondary dilution factor.

B: Indicates the analyte was found in the blank.

E: Indicates the analyte's concentration exceeds the calibrated range of the instrument for that specific analysis.

**SUMMARY OF SVOCs IN SOIL SAMPLES
CONVENTION CENTER INVESTIGATION**

Table O.2-33

Location ID	B-801		B-801		B-802		B-901	
Sample ID	B-801-10-12RE		B-801-13-15		B-802-3-4		B-901-3-5	
Depth	10-12		13-15		3-4		3-5	
Dilution Factor	1.0		1.0		1.0		1.0	
Sample Date	8/10/2004		8/12/2004		8/12/2004		8/9/2004	
Unit	ug/Kg		ug/Kg		ug/Kg		ug/Kg	
BENZO(B)FLUORANTHENE	3600	J	490	J	19	U	520	J*
BENZO(G,H,I)PERYLENE	930	U	130	J	16	U	180	J
BENZO(K)FLUORANTHENE	730	U	210	J	13	U	230	J*
BENZYL BUTYL PHTHALATE	710	U	24	U	12	U	26	U
BIS(2-CHLOROETHOXY)METHANE	970	U	33	U	17	U	36	U
BIS(2-CHLOROETHYL-ETHER	1000	U	36	U	18	U	39	U
BIS(2-ETHYLHEXYL)PHTHALATE	490	U	250	J	37	J	120	JB
CARBAZOLE	470	U	16	U	8.1	U	17	U
DIBENZ(A,H)ANTHRACENE	620	U	21	U	11	U	23	U
DIBENZOFURAN	700	U	24	U	12	U	26	U
DIETHYL PHTHALATE	670	U	23	U	12	U	25	U
DIMETHYL PHTHALATE	510	U	17	U	8.7	U	19	U
DI-N-BUTYLPHTHALATE	280	U	9.6	U	4.9	U	10	U
DI-N-OCTYL PHTHALATE	510	U	17	U	8.7	U	19	U
FLUORANTHENE	6400	J	1200		5.1	U	1000	
FLUORENE	600	U	110	J	10	U	120	J
HEXACHLORO-1,3-BUTADIENE	750	U	25	U	13	U	28	U
HEXACHLOROBENZENE	400	U	14	U	6.9	U	15	U
HEXACHLOROCYCLOPENTADIENE	530	U	18	U	9.2	U	20	U
HEXACHLOROETHANE	1000	U	34	U	17	U	38	U
INDENO(1,2,3-CD)PYRENE	510	U	98	J	8.9	U	170	J
1,3-DICHLOROBENZENE	780	U	27	U	14	U	29	U
NAPHTHALENE	460	U	130	J	8	U	100	J
NITROBENZENE	1100	U	37	U	19	U	40	U
N-NITROSODI-N-PROPYLAMINE	940	U	32	U	16	U	35	U
N-NITROSODIPHENYLAMINE	540	U	18	U	9.3	U	20	U
P-CHLOROANILINE	7900	U	270	U	140	U	290	U
PENTACHLOROPHENOL	660	U	22	U	11	U	25	U
PHENANTHRENE	6300	J	1400		8.2	U	660	J
PHENOL	890	U	30	U	15	U	33	U
P-NITROANILINE	1700	U	57	U	29	U	62	U
PYRENE	7800	J	1500		44	J	1100	

Notes:

ug/kg: Micrograms per kilograms

MDL: Method detection limit

U: Indicates the compound was analyzed for but was not detected

J: Indicates an estimated value.

D: Indicates the compound identified in an analysis at a secondary dilution factor.

B: Indicates the analyte was found in the blank.

E: Indicates the analyte's concentration exceeds the calibrated range of the instrument for that specific analysis.

**SUMMARY OF SVOCs IN SOIL SAMPLES
CONVENTION CENTER INVESTIGATION**

Table O.2-33

Location ID	B-901	B-902	B-903	B-903
Sample ID	B-901-6-8	B-902-1.5-4.5	B-903-15-17	B-903-3-4
Depth	6-8	1.5-4.5	15-17	3-4
Dilution Factor	1.0	1.0	1.0	1.0
Sample Date	8/9/2004	8/13/2004	8/12/2004	8/12/2004
Unit	ug/Kg	ug/Kg	ug/Kg	ug/Kg
1,2,4-TRICHLOROBENZENE	11 U	13 U	12 U	10 U
CHRYSENE	12 U	55 J	290 J	11 U
1,2-DICHLOROBENZENE	20 U	25 U	23 U	19 U
1,4-DICHLOROBENZENE	16 U	20 U	18 U	15 U
2,2'-OXYBIS(1-CHLOROPROPANE)	20 U	25 U	23 U	19 U
2,4,5-TRICHLOROPHENOL	25 U	31 U	28 U	23 U
2,4,6-TRICHLOROPHENOL	14 U	17 U	15 U	13 U
2,4-DICHLOROPHENOL	13 U	16 U	15 U	12 U
2,4-DIMETHYLPHENOL	20 U	25 U	23 U	19 U
2,4-DINITROPHENOL	17 U	21 U	19 U	15 U
2,4-DINITROTOLUENE	7.5 U	9.3 U	8.5 U	6.9 U
2,6-DINITROTOLUENE	16 U	20 U	18 U	15 U
2-CHLORONAPHTHALENE	7.8 U	9.8 U	8.9 U	7.3 U
2-CHLOROPHENOL	16 U	20 U	18 U	15 U
2-METHYLNAPHTHALENE	6.5 U	8.1 U	7.3 U	6 U
2-METHYLPHENOL	24 U	30 U	27 U	22 U
2-NITROANILINE	14 U	17 U	15 U	13 U
2-NITROPHENOL	15 U	19 U	17 U	14 U
3,3'-DICHLOROBENZIDINE	60 U	75 U	68 U	56 U
ISOPHRONE	14 U	17 U	16 U	13 U
3-NITROANILINE	60 U	75 U	69 U	56 U
4,6-DINITRO-2-METHYLPHENOL	22 U	27 U	25 U	20 U
4-BROMOPHENYL PHENYL ETHER	9.9 U	12 U	11 U	9.2 U
4-CHLORO-3-METHYLPHENOL	11 U	14 U	13 U	10 U
4-CHLOROPHENYL PHENYL ETHER	9.3 U	12 U	11 U	8.6 U
4-METHYLPHENOL	17 U	21 U	20 U	16 U
4-NITROPHENOL	37 U	46 U	42 U	34 U
ACENAPHTHYLENE	11 U	14 U	13 U	10 U
ACENAPTHENE	8.3 U	10 U	9.4 U	7.7 U
ANTHRACENE	8.9 U	11 U	70 J	8.3 U
BENZO(A)ANTHRACENE	5.7 U	61 J	450 *	5.3 U
BENZO(A)PYRENE	6.5 U	8.1 U	290 J *	6 U

Notes:

ug/kg: Micrograms per kilograms

MDL: Method detection limit

U: Indicates the compound was analyzed for but was not detected

J: Indicates an estimated value.

D: Indicates the compound identified in an analysis at a second dilution factor.

B: Indicates the analyte was found in the blank.

E: Indicates the analyte's concentration exceeds the calibrated range of the instrument for that specific analysis.

**SUMMARY OF SVOCs IN SOIL SAMPLES
CONVENTION CENTER INVESTIGATION**

Table O.2-33

Location ID	B-901		B-902		B-903		B-903	
Sample ID	B-901-6-8		B-902-1.5-4.5		B-903-15-17		B-903-3-4	
Depth	6-8		1.5-4.5		15-17		3-4	
Dilution Factor	1.0		1.0		1.0		1.0	
Sample Date	8/9/2004		8/13/2004		8/12/2004		8/12/2004	
Unit	ug/Kg		ug/Kg		ug/Kg		ug/Kg	
BENZO(B)FLUORANTHENE	20	U	63	J	340	J *	19	U
BENZO(G,H,I)PERYLENE	16	U	20	U	150	J	15	U
BENZO(K)FLUORANTHENE	13	U	16	U	110	J	12	U
BENZYL BUTYL PHTHALATE	13	U	16	U	14	U	12	U
BIS(2-CHLOROETHOXY)METHANE	17	U	21	U	19	U	16	U
BIS(2-CHLOROETHYL-ETHER	18	U	23	U	21	U	17	U
BIS(2-ETHYLHEXYL)PHTHALATE	59	JB	48	J	9.8	U	8	U
CARBAZOLE	8.3	U	10	U	9.4	U	7.7	U
DIBENZ(A,H)ANTHRACENE	11	U	14	U	12	U	10	U
DIBENZOFURAN	12	U	15	U	14	U	11	U
DIETHYL PHTHALATE	12	U	15	U	13	U	11	U
DIMETHYL PHTHALATE	8.9	U	11	U	10	U	8.3	U
DI-N-BUTYLPHTHALATE	5	U	6.2	U	5.7	U	4.6	U
DI-N-OCTYL PHTHALATE	8.9	U	11	U	10	U	8.3	U
FLUORANTHENE	5.2	U	68	J	720		45	J
FLUORENE	11	U	13	U	12	U	9.9	U
HEXACHLORO-1,3-BUTADIENE	13	U	16	U	15	U	12	U
HEXACHLOROBENZENE	7	U	8.8	U	8	U	6.5	U
HEXACHLOROCYCLOPENTADIENE	9.4	U	12	U	11	U	8.7	U
HEXACHLOROETHANE	18	U	22	U	20	U	17	U
INDENO(1,2,3-CD)PYRENE	9.1	U	11	U	150	J	8.4	U
1,3-DICHLOROBENZENE	14	U	17	U	16	U	13	U
NAPHTHALENE	8.2	U	10	U	9.3	U	7.6	U
NITROBENZENE	19	U	24	U	22	U	18	U
N-NITROSODI-N-PROPYLAMINE	17	U	21	U	19	U	15	U
N-NITROSODIPHENYLAMINE	9.5	U	12	U	11	U	8.8	U
P-CHLOROANILINE	140	U	170	U	160	U	130	U
PENTACHLOROPHENOL	12	U	15	U	13	U	11	U
PHENANTHRENE	8.4	U	10	U	370	J	7.8	U
PHENOL	16	U	20	U	18	U	15	U
P-NITROANILINE	29	U	37	U	33	U	27	U
PYRENE	6.7	U	86	J	770		55	J

Notes:

ug/kg: Micrograms per kilograms

MDL: Method detection limit

U: Indicates the compound was analyzed for but was not detected.

J: Indicates an estimated value.

D: Indicates the compound identified in an analysis at a second dilution factor.

B: Indicates the analyte was found in the blank.

E: Indicates the analyte's concentration exceeds the calibrated range of the instrument for that specific analysis.

**SUMMARY OF SVOCs IN SOIL SAMPLES
CONVENTION CENTER INVESTIGATION**

Table O.2-33

Location ID	B-904		B-904		B-904		B-904	
Sample ID	B-904-3-5		DUP		B-904-6.5-8.5		B-904-18-20	
Depth	3-5		3-5		6.5-8.5		18-20	
Dilution Factor	1.0		1.0		1.0		1.0	
Sample Date	8/9/2004		8/9/2004		8/9/2004		8/9/2004	
Unit	ug/Kg		ug/Kg		ug/Kg		ug/Kg	
1,2,4-TRICHLOROBENZENE	13	U	14	U	13	U	16	U
CHRYSENE	87	J	180	J	15	U	72	J
1,2-DICHLOROBENZENE	24	U	26	U	26	U	31	U
1,4-DICHLOROBENZENE	18	U	20	U	20	U	24	U
2,2'-OXYBIS(1-CHLOROPROPANE)	24	U	26	U	25	U	31	U
2,4,5-TRICHLOROPHENOL	29	U	32	U	31	U	37	U
2,4,6-TRICHLOROPHENOL	16	U	17	U	17	U	20	U
2,4-DICHLOROPHENOL	15	U	17	U	16	U	20	U
2,4-DIMETHYLPHENOL	24	U	26	U	25	U	31	U
2,4-DINITROPHENOL	19	U	21	U	21	U	25	U
2,4-DINITROTOLUENE	8.8	U	9.6	U	9.4	U	11	U
2,6-DINITROTOLUENE	19	U	20	U	20	U	24	U
2-CHLORONAPHTHALENE	9.2	U	10	U	9.8	U	12	U
2-CHLOROPHENOL	19	U	21	U	20	U	24	U
2-METHYLNAPHTHALENE	7.6	U	8.2	U	8.1	U	62	J
2-METHYLPHENOL	28	U	30	U	30	U	36	U
2-NITROANILINE	16	U	17	U	17	U	20	U
2-NITROPHENOL	18	U	19	U	19	U	23	U
3,3'-DICHLOROBENZIDINE	71	U	77	U	75	U	91	U
ISOPHRONE	16	U	18	U	17	U	21	U
3-NITROANILINE	71	U	77	U	76	U	91	U
4,6-DINITRO-2-METHYLPHENOL	26	U	28	U	27	U	33	U
4-BROMOPHENYL PHENYL ETHER	12	U	13	U	12	U	15	U
4-CHLORO-3-METHYLPHENOL	13	U	14	U	14	U	17	U
4-CHLOROPHENYL PHENYL ETHER	11	U	12	U	12	U	14	U
4-METHYLPHENOL	20	U	22	U	22	U	26	U
4-NITROPHENOL	43	U	47	U	46	U	55	U
ACENAPHTHYLENE	13	U	14	U	14	U	17	U
ACENAPTHENE	9.7	U	11	U	10	U	12	U
ANTHRACENE	11	U	90	J	11	U	13	U
BENZO(A)ANTHRACENE	75	J	180	J	7.1	U	8.5	U
BENZO(A)PYRENE	54	J	130	J	8.1	U	9.7	U

Notes:

ug/kg: Micrograms per kilograms

MDL: Method detection limit

U: Indicates the compound was analyzed for but was not detected

J: Indicates an estimated value.

D: Indicates the compound identified in an analysis at a second dilution factor.

B: Indicates the analyte was found in the blank.

E: Indicates the analyte's concentration exceeds the calibrated range of the instrument for that specific analysis.

**SUMMARY OF SVOCs IN SOIL SAMPLES
CONVENTION CENTER INVESTIGATION**

Table O.2-33

Location ID	B-904		B-904		B-904		B-904	
Sample ID	B-904-3-5		DUP		B-904-6.5-8.5		B-904-18-20	
Depth	3-5		3-5		6.5-8.5		18-20	
Dilution Factor	1.0		1.0		1.0		1.0	
Sample Date	8/9/2004		8/9/2004		8/9/2004		8/9/2004	
Unit	ug/Kg		ug/Kg		ug/Kg		ug/Kg	
BENZO(B)FLUORANTHENE	78	J	130	J	25	U	30	U
BENZO(G,H,I)PERYLENE	19	U	57	J	20	U	25	U
BENZO(K)FLUORANTHENE	15	U	87	J	16	U	19	U
BENZYL BUTYL PHTHALATE	15	U	16	U	16	U	19	U
BIS(2-CHLOROETHOXY)METHANE	20	U	22	U	21	U	26	U
BIS(2-CHLOROETHYL-ETHER	22	U	24	U	23	U	28	U
BIS(2-ETHYLHEXYL)PHTHALATE	10	U	97	JB	51	JB	13	U
CARBAZOLE	9.7	U	11	U	10	U	12	U
DIBENZ(A,H)ANTHRACENE	13	U	14	U	14	U	17	U
DIBENZOFURAN	15	U	16	U	15	U	19	U
DIETHYL PHTHALATE	14	U	15	U	15	U	18	U
DIMETHYL PHTHALATE	11	U	11	U	11	U	13	U
DI-N-BUTYLPHthalate	5.9	U	6.4	U	6.2	U	7.5	U
DI-N-OCTYL PHTHALATE	11	U	11	U	11	U	13	U
FLUORANTHENE	130	J	350	J	6.5	U	7.8	U
FLUORENE	13	U	14	U	13	U	16	U
HEXACHLORO-1,3-BUTADIENE	15	U	17	U	16	U	20	U
HEXACHLOROBENZENE	8.3	U	9	U	8.8	U	11	U
HEXACHLOROCYCLOPENTADIENE	11	U	12	U	12	U	14	U
HEXACHLOROETHANE	21	U	23	U	22	U	27	U
INDENO(1,2,3-CD)PYRENE	11	U	62	J	11	U	14	U
1,3-DICHLOROBENZENE	16	U	18	U	17	U	21	U
NAPHTHALENE	9.6	U	10	U	10	U	12	U
NITROBENZENE	22	U	24	U	24	U	29	U
N-NITROSODI-N-PROPYLAMINE	19	U	21	U	21	U	25	U
N-NITROSODIPHENYLAMINE	11	U	12	U	12	U	14	U
P-CHLOROANILINE	160	U	180	U	170	U	210	U
PENTACHLOROPHENOL	14	U	15	U	15	U	18	U
PHENANTHRENE	110	J	320	J	11	U	210	J
PHENOL	18	U	20	U	20	U	24	U
P-NITROANILINE	35	U	37	U	37	U	44	U
PYRENE	160	J	390	J	8.4	U	10	U

Notes:

ug/kg: Micrograms per kilograms

MDL: Method detection limit

U: Indicates the compound was analyzed for but was not detect

J: Indicates an estimated value.

D: Indicates the compound identified in an analysis at a second dilution factor.

B: Indicates the analyte was found in the blank.

E: Indicates the analyte's concentration exceeds the calibrated range of the instrument for that specific analysis.

**SUMMARY OF SVOCs IN SOIL SAMPLES
CONVENTION CENTER INVESTIGATION**

Table O.2-33

Location ID	B-905	B-905	B-905	B-906
Sample ID	B-905-2-4	B-905-7-9	DUP	B-906-3.5-5
Depth	2-4	7-9	7-9	3.5-5
Dilution Factor	1.0	1.0	1.0	1.0
Sample Date	8/12/2004	8/12/2004	8/12/2004	8/9/2004
Unit	ug/Kg	ug/Kg	ug/Kg	ug/Kg
1,2,4-TRICHLOROBENZENE	13 U	21 U	11 U	130 U
CHRYSENE	430 J	92 J	150 J	39000
1,2-DICHLOROBENZENE	24 U	39 U	21 U	250 U
1,4-DICHLOROBENZENE	19 U	30 U	16 U	190 U
2,2'-OXYBIS(1-CHLOROPROPANE)	24 U	39 U	21 U	250 U
2,4,5-TRICHLOROPHENOL	30 U	47 U	26 U	300 U
2,4,6-TRICHLOROPHENOL	16 U	26 U	14 U	160 U
2,4-DICHLOROPHENOL	16 U	25 U	14 U	160 U
2,4-DIMETHYLPHENOL	24 U	39 U	21 U	250 U
2,4-DINITROPHENOL	20 U	32 U	17 U	200 U
2,4-DINITROTOLUENE	9 U	14 U	7.8 U	2200 J
2,6-DINITROTOLUENE	19 U	30 U	17 U	190 U
2-CHLORONAPHTHALENE	9.4 U	15 U	8.2 U	95 U
2-CHLOROPHENOL	19 U	31 U	17 U	200 U
2-METHYLNAPHTHALENE	7.7 U	12 U	6.8 U	520 J
2-METHYLPHENOL	28 U	45 U	25 U	290 U
2-NITROANILINE	16 U	26 U	14 U	160 U
2-NITROPHENOL	18 U	29 U	16 U	180 U
3,3'-DICHLOROBENZIDINE	72 U	110 U	63 U	730 U
ISOPHRONE	17 U	27 U	15 U	170 U
3-NITROANILINE	72 U	120 U	63 U	730 U
4,6-DINITRO-2-METHYLPHENOL	26 U	41 U	23 U	260 U
4-BROMOPHENYL PHENYL ETHER	12 U	19 U	10 U	120 U
4-CHLORO-3-METHYLPHENOL	13 U	21 U	12 U	130 U
4-CHLOROPHENYL PHENYL ETHER	11 U	18 U	9.7 U	110 U
4-METHYLPHENOL	21 U	33 U	18 U	210 U
4-NITROPHENOL	44 U	70 U	38 U	440 U
ACENAPHTHYLENE	13 U	21 U	12 U	3800 J
ACENAPHTHENE	9.9 U	16 U	8.7 U	2000 J
ANTHRACENE	46 J	17 U	48 J	13000
BENZO(A)ANTHRACENE	540	140 J	180 J	50000 E
BENZO(A)PYRENE	440 J	94 J	140 J	28000

Notes:

ug/kg: Micrograms per kilograms

MDL: Method detection limit

U: Indicates the compound was analyzed for but was not detected

J: Indicates an estimated value.

D: Indicates the compound identified in an analysis at a second dilution factor.

B: Indicates the analyte was found in the blank.

E: Indicates the analyte's concentration exceeds the calibrated range of the instrument for that specific analysis.

**SUMMARY OF SVOCs IN SOIL SAMPLES
CONVENTION CENTER INVESTIGATION**

Table O.2-33

Location ID	B-905		B-905		B-905		B-906	
Sample ID	B-905-2-4		B-905-7-9		DUP		B-906-3.5-5	
Depth	2-4		7-9		7-9		3.5-5	
Dilution Factor	1.0		1.0		1.0		1.0	
Sample Date	8/12/2004		8/12/2004		8/12/2004		8/9/2004	
Unit	ug/Kg		ug/Kg		ug/Kg		ug/Kg	
BENZO(B)FLUORANTHENE	640		100	J	160	J	38000	E
BENZO(G,H,I)PERYLENE	150	J	31	U	69	J	5800	
BENZO(K)FLUORANTHENE	190	J	24	U	74	J	14000	
BENZYL BUTYL PHTHALATE	15	U	24	U	13	U	150	U
BIS(2-CHLOROETHOXY)METHANE	20	U	33	U	18	U	210	U
BIS(2-CHLOROETHYL-ETHER	22	U	35	U	19	U	220	U
BIS(2-ETHYLHEXYL)PHTHALATE	10	U	16	U	46	J	100	U
CARBAZOLE	9.9	U	16	U	8.7	U	740	J
DIBENZ(A,H)ANTHRACENE	13	U	21	U	12	U	850	J
DIBENZOFURAN	15	U	24	U	13	U	1400	J
DIETHYL PHTHALATE	14	U	22	U	12	U	140	U
DIMETHYL PHTHALATE	11	U	17	U	9.4	U	110	U
DI-N-BUTYLPHthalate	6	U	9.5	U	5.2	U	60	U
DI-N-OCTYL PHTHALATE	11	U	17	U	9.4	U	110	U
FLUORANTHENE	730		200	J	290	J	62000	E
FLUORENE	13	U	20	U	11	U	5000	
HEXACHLORO-1,3-BUTADIENE	16	U	25	U	14	U	160	U
HEXACHLOROBENZENE	8.4	U	13	U	7.4	U	85	U
HEXACHLOROCYCLOPENTADIENE	11	U	18	U	9.9	U	110	U
HEXACHLOROETHANE	21	U	34	U	19	U	220	U
INDENO(1,2,3-CD)PYRENE	110	J	17	U	57	J	7000	
1,3-DICHLOROBENZENE	17	U	26	U	14	U	170	U
NAPHTHALENE	9.8	U	16	U	8.6	U	1600	J
NITROBENZENE	23	U	36	U	20	U	230	U
N-NITROSODI-N-PROPYLAMINE	20	U	32	U	17	U	200	U
N-NITROSODIPHENYLAMINE	11	U	18	U	10	U	120	U
P-CHLOROANILINE	170	U	260	U	150	U	1700	U
PENTACHLOROPHENOL	14	U	22	U	12	U	140	U
PHENANTHRENE	110	J	130	J	220	J	31000	
PHENOL	19	U	30	U	16	U	190	U
P-NITROANILINE	35	U	56	U	31	U	360	U
PYRENE	900		220	J	300	J	72000	E

Notes:

ug/kg: Micrograms per kilograms

MDL: Method detection limit

U: Indicates the compound was analyzed for but was not detected

J: Indicates an estimated value.

D: Indicates the compound identified in an analysis at a second dilution factor.

B: Indicates the analyte was found in the blank.

E: Indicates the analyte's concentration exceeds the calibrated range of the instrument for that specific analysis.

**SUMMARY OF SVOCs IN SOIL SAMPLES
CONVENTION CENTER INVESTIGATION**

Table O.2-33

Location ID	B-906		B-906		B-907		B-907	
Sample ID	B-906-3.5-5DL		B-906-7-8		B-907-3-5		B-907-9-10	
Depth	3.5-5		7-8		3-5		9-10	
Dilution Factor	5.0		1.0		1.0		1.0	
Sample Date	8/9/2004		8/9/2004		8/6/2004		8/6/2004	
Unit	ug/Kg		ug/Kg		ug/Kg		ug/Kg	
1,2,4-TRICHLOROBENZENE	650	UD	44	U	530	U	12	U
CHRYSENE	40000	D	490	J	5600	J	13	U
1,2-DICHLOROBENZENE	1200	UD	83	U	1000	U	22	U
1,4-DICHLOROBENZENE	950	UD	63	U	780	U	17	U
2,2'-OXYBIS(1-CHLOROPROPANE)	1200	UD	82	U	1000	U	22	U
2,4,5-TRICHLOROPHENOL	1500	UD	100	U	1200	U	27	U
2,4,6-TRICHLOROPHENOL	820	UD	55	U	670	U	15	U
2,4-DICHLOROPHENOL	800	UD	53	U	650	U	14	U
2,4-DIMETHYLPHENOL	1200	UD	82	U	1000	U	22	U
2,4-DINITROPHENOL	1000	UD	67	U	820	U	18	U
2,4-DINITROTOLUENE	450	UD	30	U	370	U	8.2	U
2,6-DINITROTOLUENE	970	UD	65	U	790	U	18	U
2-CHLORONAPHTHALENE	470	UD	32	U	390	U	8.6	U
2-CHLOROPHENOL	980	UD	66	U	800	U	18	U
2-METHYLNAPHTHALENE	390	UD	26	U	320	U	7.1	U
2-METHYLPHENOL	1400	UD	96	U	1200	U	26	U
2-NITROANILINE	820	UD	55	U	670	U	15	U
2-NITROPHENOL	910	UD	61	U	750	U	17	U
3,3'-DICHLOROBENZIDINE	3600	UD	240	U	3000	U	66	U
ISOPHRONE	840	UD	56	U	690	U	15	U
3-NITROANILINE	3700	UD	240	U	3000	U	67	U
4,6-DINITRO-2-METHYLPHENOL	1300	UD	88	U	1100	U	24	U
4-BROMOPHENYL PHENYL ETHER	600	UD	40	U	490	U	11	U
4-CHLORO-3-METHYLPHENOL	670	UD	45	U	550	U	12	U
4-CHLOROPHENYL PHENYL ETHER	560	UD	38	U	460	U	10	U
4-METHYLPHENOL	1000	UD	70	U	850	U	19	U
4-NITROPHENOL	2200	UD	150	U	1800	U	40	U
ACENAPHTHYLENE	3800	JD	45	U	560	U	12	U
ACENAPTHENE	500	UD	33	U	410	U	9.1	U
ANTHRACENE	12000	JD	410	J	3200	J	9.8	U
BENZO(A)ANTHRACENE	51000	D	540	J	6100	J	6.2	U
BENZO(A)PYRENE	34000	D	310	J	4100	J	7.1	U

Notes:

ug/kg: Micrograms per kilograms

MDL: Method detection limit

U: Indicates the compound was analyzed for but was not detected.

J: Indicates an estimated value.

D: Indicates the compound identified in an analysis at a secondary dilution factor.

B: Indicates the analyte was found in the blank.

E: Indicates the analyte's concentration exceeds the calibrated range of the instrument for that specific analysis.

**SUMMARY OF SVOCs IN SOIL SAMPLES
CONVENTION CENTER INVESTIGATION**

Table O.2-33

Location ID	B-906		B-906		B-907		B-907	
Sample ID	B-906-3.5-5DL		B-906-7-8		B-907-3-5		B-907-9-10	
Depth	3.5-5		7-8		3-5		9-10	
Dilution Factor	5.0		1.0		1.0		1.0	
Sample Date	8/9/2004		8/9/2004		8/6/2004		8/6/2004	
Unit	ug/Kg		ug/Kg		ug/Kg		ug/Kg	
BENZO(B)FLUORANTHENE	43000	D	430	J	5400	J	22	U
BENZO(G,H,I)PERYLENE	6700	JD	66	U	1900	J	18	U
BENZO(K)FLUORANTHENE	20000	JD	170	J	1900	J	14	U
BENZYL BUTYL PHTHALATE	760	UD	51	U	620	U	14	U
BIS(2-CHLOROETHOXY)METHANE	1000	UD	69	U	850	U	19	U
BIS(2-CHLOROETHYL-ETHER	1100	UD	75	U	920	U	20	U
BIS(2-ETHYLHEXYL)PHTHALATE	520	UD	35	U	430	U	67	J
CARBAZOLE	500	UD	33	U	410	U	9.1	U
DIBENZ(A,H)ANTHRACENE	670	UD	44	U	540	U	12	U
DIBENZOFURAN	750	UD	50	U	610	U	14	U
DIETHYL PHTHALATE	710	UD	48	U	580	U	13	U
DIMETHYL PHTHALATE	540	UD	36	U	440	U	9.8	U
DI-N-BUTYLPHTHALATE	300	UD	20	U	250	U	5.5	U
DI-N-OCTYL PHTHALATE	540	UD	36	U	440	U	9.8	U
FLUORANTHENE	87000	D	1200	J	11000	J	5.7	U
FLUORENE	4800	JD	43	U	530	U	12	U
HEXACHLORO-1,3-BUTADIENE	800	UD	53	U	650	U	14	U
HEXACHLOROBENZENE	430	UD	28	U	350	U	7.7	U
HEXACHLOROCYCLOPENTADIENE	570	UD	38	U	470	U	10	U
HEXACHLOROETHANE	1100	UD	72	U	890	U	20	U
INDENO(1,2,3-CD)PYRENE	5600	JD	37	U	2000	J	10	U
1,3-DICHLOROBENZENE	840	UD	56	U	690	U	15	U
NAPHTHALENE	490	UD	33	U	400	U	9	U
NITROBENZENE	1200	UD	77	U	940	U	21	U
N-NITROSODI-N-PROPYLAMINE	1000	UD	67	U	820	U	18	U
N-NITROSODIPHENYLAMINE	580	UD	39	U	470	U	10	U
P-CHLOROANILINE	8400	UD	560	U	6900	U	150	U
PENTACHLOROPHENOL	710	UD	47	U	580	U	13	U
PHENANTHRENE	33000	D	1300	J	12000	J	9.2	U
PHENOL	950	UD	63	U	780	U	17	U
P-NITROANILINE	1800	UD	120	U	1500	U	32	U
PYRENE	90000	D	1200	J	11000	J	7.4	U

Notes:

ug/kg: Micrograms per kilograms

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B: Indicates the analyte was found in the blank.

E: Indicates the analyte's concentration exceeds the calibrated range of the instrument for that specific analysis.

**SUMMARY OF SVOCs IN SOIL SAMPLES
CONVENTION CENTER INVESTIGATION**

Table O.2-33

Location ID	B-907	B-1101	B-1101	B-1101
Sample ID	DUP	B-1101-13-15	B-1101-3-5	B-1101-7-9
Depth	9-10	13-15	3-5	7-9
Dilution Factor	1.0	1.0	1.0	1.0
Sample Date	8/6/2004	8/5/2004	8/5/2004	8/5/2004
Unit	ug/Kg	ug/Kg	ug/Kg	ug/Kg
1,2,4-TRICHLOROBENZENE	110 U	13 U	10 U	11 U
CHRYSENE	2800 J	15 U	100 J	44 J
1,2-DICHLOROBENZENE	200 U	25 U	20 U	21 U
1,4-DICHLOROBENZENE	160 U	19 U	15 U	16 U
2,2'-OXYBIS(1-CHLOROPROPANE)	200 U	25 U	19 U	21 U
2,4,5-TRICHLOROPHENOL	250 U	30 U	24 U	26 U
2,4,6-TRICHLOROPHENOL	140 U	17 U	13 U	14 U
2,4-DICHLOROPHENOL	130 U	16 U	13 U	14 U
2,4-DIMETHYLPHENOL	200 U	25 U	19 U	21 U
2,4-DINITROPHENOL	160 U	20 U	16 U	17 U
2,4-DINITROTOLUENE	74 U	9.1 U	7.2 U	7.8 U
2,6-DINITROTOLUENE	160 U	20 U	15 U	17 U
2-CHLORONAPHTHALENE	78 U	9.5 U	7.5 U	8.1 U
2-CHLOROPHENOL	160 U	20 U	16 U	17 U
2-METHYLNAPHTHALENE	64 U	7.9 U	6.2 U	6.7 U
2-METHYLPHENOL	240 U	29 U	23 U	25 U
2-NITROANILINE	140 U	17 U	13 U	14 U
2-NITROPHENOL	150 U	18 U	14 U	16 U
3,3'-DICHLOROBENZIDINE	600 U	73 U	58 U	63 U
ISOPHRONE	140 U	17 U	13 U	14 U
3-NITROANILINE	600 U	74 U	58 U	63 U
4,6-DINITRO-2-METHYLPHENOL	220 U	27 U	21 U	23 U
4-BROMOPHENYL PHENYL ETHER	98 U	12 U	9.5 U	10 U
4-CHLORO-3-METHYLPHENOL	110 U	14 U	11 U	12 U
4-CHLOROPHENYL PHENYL ETHER	93 U	11 U	8.9 U	9.7 U
4-METHYLPHENOL	170 U	21 U	17 U	18 U
4-NITROPHENOL	360 U	45 U	35 U	38 U
ACENAPHTHYLENE	110 U	14 U	11 U	12 U
ACENAPTHENE	520 J	10 U	7.9 U	8.6 U
ANTHRACENE	1600 J	11 U	8.6 U	9.3 U
BENZO(A)ANTHRACENE	3300 J	6.9 U	76 J	5.9 U
BENZO(A)PYRENE	2200 J	7.9 U	63 J	6.7 U

Notes:

ug/kg: Micrograms per kilograms

MDL: Method detection limit

U: Indicates the compound was analyzed for but was not detect

J: Indicates an estimated value.

D: Indicates the compound identified in an analysis at a second dilution factor.

B: Indicates the analyte was found in the blank.

E: Indicates the analyte's concentration exceeds the calibrated range of the instrument for that specific analysis.

**SUMMARY OF SVOCs IN SOIL SAMPLES
CONVENTION CENTER INVESTIGATION**

Table O.2-33

Location ID	B-907		B-1101		B-1101		B-1101	
Sample ID	DUP		B-1101-13-15		B-1101-3-5		B-1101-7-9	
Depth	9-10		13-15		3-5		7-9	
Dilution Factor	1.0		1.0		1.0		1.0	
Sample Date	8/6/2004		8/5/2004		8/5/2004		8/5/2004	
Unit	ug/Kg		ug/Kg		ug/Kg		ug/Kg	
BENZO(B)FLUORANTHENE	3000	J	24	U	97	J	21	U
BENZO(G,H,I)PERYLENE	1000	J	20	U	56	J	17	U
BENZO(K)FLUORANTHENE	1400	J	16	U	38	J	13	U
BENZYL BUTYL PHTHALATE	130	U	15	U	12	U	13	U
BIS(2-CHLOROETHOXY)METHANE	170	U	21	U	16	U	18	U
BIS(2-CHLOROETHYL-ETHER	180	U	23	U	18	U	19	U
BIS(2-ETHYLHEXYL)PHTHALATE	86	U	70	J	8.3	U	60	J
CARBAZOLE	700	J	10	U	7.9	U	8.6	U
DIBENZ(A,H)ANTHRACENE	110	U	13	U	11	U	11	U
DIBENZOFURAN	540	J	15	U	12	U	13	U
DIETHYL PHTHALATE	120	U	14	U	11	U	12	U
DIMETHYL PHTHALATE	89	U	11	U	8.6	U	9.3	U
DI-N-BUTYLPHTHALATE	50	U	6.1	U	4.8	U	5.2	U
DI-N-OCTYL PHTHALATE	89	U	11	U	8.6	U	9.3	U
FLUORANTHENE	5500		6.4	U	140	J	52	J
FLUORENE	680	J	13	U	10	U	11	U
HEXACHLORO-1,3-BUTADIENE	130	U	16	U	13	U	14	U
HEXACHLOROBENZENE	70	U	8.6	U	6.7	U	7.3	U
HEXACHLOROCYCLOPENTADIENE	94	U	11	U	9	U	9.8	U
HEXACHLOROETHANE	180	U	22	U	17	U	19	U
INDENO(1,2,3-CD)PYRENE	890	J	11	U	46	J	9.4	U
1,3-DICHLOROBENZENE	140	U	17	U	13	U	14	U
NAPHTHALENE	1100	J	10	U	7.8	U	110	J
NITROBENZENE	190	U	23	U	18	U	20	U
N-NITROSODI-N-PROPYLAMINE	160	U	20	U	16	U	17	U
N-NITROSODIPHENYLAMINE	95	U	12	U	9.1	U	9.9	U
P-CHLOROANILINE	1400	U	170	U	130	U	140	U
PENTACHLOROPHENOL	120	U	14	U	11	U	12	U
PHENANTHRENE	5800		10	U	110	J	74	J
PHENOL	160	U	19	U	15	U	16	U
P-NITROANILINE	290	U	36	U	28	U	31	U
PYRENE	6000		8.2	U	170	J	72	J

Notes:

ug/kg: Micrograms per kilograms

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B: Indicates the analyte was found in the blank.

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**SUMMARY OF SVOCs IN SOIL SAMPLES
CONVENTION CENTER INVESTIGATION**

Table O.2-33

Location ID	B-1102		B-1102		B-1103		B-1103	
Sample ID	B-1102-1-3		B-1102-7.5-9.5		B-1103-3-5		B-1103-8-10	
Depth	1-3		7.5-9.5		3-5		8-10	
Dilution Factor	1.0		1.0		1.0		1.0	
Sample Date	8/9/2004		8/9/2004		8/5/2004		8/5/2004	
Unit	ug/Kg		ug/Kg		ug/Kg		ug/Kg	
1,2,4-TRICHLOROBENZENE	100	U	100	U	110	U	21	U
CHRYSENE	1500	J	650	J	5400		700	J
1,2-DICHLOROBENZENE	190	U	200	U	200	U	40	U
1,4-DICHLOROBENZENE	150	U	150	U	150	U	31	U
2,2'-OXYBIS(1-CHLOROPROPANE)	190	U	200	U	200	U	40	U
2,4,5-TRICHLOROPHENOL	240	U	240	U	240	U	48	U
2,4,6-TRICHLOROPHENOL	130	U	130	U	130	U	27	U
2,4-DICHLOROPHENOL	130	U	130	U	130	U	26	U
2,4-DIMETHYLPHENOL	190	U	200	U	200	U	40	U
2,4-DINITROPHENOL	160	U	160	U	160	U	32	U
2,4-DINITROTOLUENE	71	U	73	U	73	U	15	U
2,6-DINITROTOLUENE	150	U	160	U	160	U	31	U
2-CHLORONAPHTHALENE	74	U	76	U	77	U	15	U
2-CHLOROPHENOL	150	U	160	U	160	U	32	U
2-METHYLNAPHTHALENE	62	U	63	U	63	U	180	J
2-METHYLPHENOL	230	U	230	U	230	U	46	U
2-NITROANILINE	130	U	130	U	130	U	27	U
2-NITROPHENOL	140	U	150	U	150	U	29	U
3,3'-DICHLOROBENZIDINE	570	U	590	U	590	U	120	U
ISOPHRONE	130	U	140	U	140	U	27	U
3-NITROANILINE	580	U	590	U	590	U	120	U
4,6-DINITRO-2-METHYLPHENOL	210	U	210	U	210	U	42	U
4-BROMOPHENYL PHENYL ETHER	94	U	96	U	96	U	19	U
4-CHLORO-3-METHYLPHENOL	110	U	110	U	110	U	22	U
4-CHLOROPHENYL PHENYL ETHER	88	U	91	U	91	U	18	U
4-METHYLPHENOL	160	U	170	U	170	U	34	U
4-NITROPHENOL	350	U	360	U	360	U	71	U
ACENAPHTHYLENE	110	U	110	U	520	J	120	J
ACENAPHTHENE	79	U	81	U	450	J	89	J
ANTHRACENE	840	J	87	U	1900	J	230	J
BENZO(A)ANTHRACENE	1800	J	640	J	5700		790	
BENZO(A)PYRENE	1300	J	440	J	3800		530	J

Notes:

ug/kg: Micrograms per kilograms

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D: Indicates the compound identified in an analysis at a secondary dilution factor.

B: Indicates the analyte was found in the blank.

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**SUMMARY OF SVOCs IN SOIL SAMPLES
CONVENTION CENTER INVESTIGATION**

Table O.2-33

Location ID	B-1102		B-1102		B-1103		B-1103	
Sample ID	B-1102-1-3		B-1102-7.5-9.5		B-1103-3-5		B-1103-8-10	
Depth	1-3		7.5-9.5		3-5		8-10	
Dilution Factor	1.0		1.0		1.0		1.0	
Sample Date	8/9/2004		8/9/2004		8/5/2004		8/5/2004	
Unit	ug/Kg		ug/Kg		ug/Kg		ug/Kg	
BENZO(B)FLUORANTHENE	1900	J	660	J	5300		700	J
BENZO(G,H,I)PERYLENE	390	J	160	U	1100	J	250	J
BENZO(K)FLUORANTHENE	750	J	120	U	1900	J	250	J
BENZYL BUTYL PHTHALATE	120	U	120	U	120	U	25	U
BIS(2-CHLOROETHOXY)METHANE	160	U	170	U	170	U	33	U
BIS(2-CHLOROETHYL-ETHER	180	U	180	U	180	U	36	U
BIS(2-ETHYLHEXYL)PHTHALATE	82	U	84	U	84	U	17	U
CARBAZOLE	79	U	81	U	81	U	16	U
DIBENZ(A,H)ANTHRACENE	100	U	110	U	110	U	21	U
DIBENZOFURAN	120	U	120	U	490	J	96	J
DIETHYL PHTHALATE	110	U	110	U	120	U	23	U
DIMETHYL PHTHALATE	85	U	87	U	88	U	17	U
DI-N-BUTYLPHTHALATE	47	U	49	U	49	U	9.7	U
DI-N-OCTYL PHTHALATE	85	U	87	U	88	U	17	U
FLUORANTHENE	3100	J	1100	J	9100		1100	
FLUORENE	100	U	100	U	510	J	140	J
HEXACHLORO-1,3-BUTADIENE	130	U	130	U	130	U	26	U
HEXACHLOROBENZENE	67	U	69	U	69	U	14	U
HEXACHLOROCYCLOPENTADIENE	90	U	92	U	92	U	18	U
HEXACHLOROETHANE	170	U	170	U	180	U	35	U
INDENO(1,2,3-CD)PYRENE	86	U	88	U	900	J	280	J
1,3-DICHLOROBENZENE	130	U	130	U	140	U	27	U
NAPHTHALENE	78	U	80	U	80	U	200	J
NITROBENZENE	180	U	190	U	190	U	37	U
N-NITROSODI-N-PROPYLAMINE	160	U	160	U	160	U	32	U
N-NITROSODIPHENYLAMINE	91	U	93	U	93	U	19	U
P-CHLOROANILINE	1300	U	1400	U	1400	U	270	U
PENTACHLOROPHENOL	110	U	110	U	110	U	23	U
PHENANTHRENE	2500	J	620	J	5500		780	
PHENOL	150	U	150	U	150	U	31	U
P-NITROANILINE	280	U	290	U	290	U	57	U
PYRENE	3400	J	1300	J	12000		1400	

Notes:

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J: Indicates an estimated value.

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B: Indicates the analyte was found in the blank.

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**SUMMARY OF SVOCs IN SOIL SAMPLES
CONVENTION CENTER INVESTIGATION**

Table O.2-33

Location ID	B-1104		B-1104		B-1201		B-1201	
Sample ID	B-1104-3-5		B-1104-8-10		B-1201-2-4		B-1201-2-4DL	
Depth	3-5		8-10		2-4		2-4	
Dilution Factor	1.0		1.0		1.0		20.0	
Sample Date	8/6/2004		8/6/2004		8/11/2004		8/11/2004	
Unit	ug/Kg		ug/Kg		ug/Kg		ug/Kg	
1,2,4-TRICHLOROBENZENE	110	U	11	U	49	U	490	UD
CHRYSENE	1800	J	12	U	14000	E	15000	JD
1,2-DICHLOROBENZENE	200	U	21	U	93	U	930	UD
1,4-DICHLOROBENZENE	160	U	16	U	71	U	710	UD
2,2'-OXYBIS(1-CHLOROPROPANE)	200	U	21	U	93	U	930	UD
2,4,5-TRICHLOROPHENOL	250	U	26	U	110	U	1100	UD
2,4,6-TRICHLOROPHENOL	140	U	14	U	62	U	620	UD
2,4-DICHLOROPHENOL	130	U	14	U	60	U	600	UD
2,4-DIMETHYLPHENOL	200	U	21	U	93	U	930	UD
2,4-DINITROPHENOL	160	U	17	U	76	U	760	UD
2,4-DINITROTOLUENE	74	U	7.8	U	34	U	340	UD
2,6-DINITROTOLUENE	160	U	17	U	73	U	730	UD
2-CHLORONAPHTHALENE	78	U	8.1	U	36	U	360	UD
2-CHLOROPHENOL	160	U	17	U	74	U	740	UD
2-METHYLNAPHTHALENE	64	U	6.7	U	750	J	300	UD
2-METHYLPHENOL	240	U	25	U	110	U	1100	UD
2-NITROANILINE	140	U	14	U	62	U	620	UD
2-NITROPHENOL	150	U	16	U	69	U	690	UD
3,3'-DICHLOROBENZIDINE	600	U	62	U	280	U	2800	UD
ISOPHRONE	140	U	14	U	64	U	640	UD
3-NITROANILINE	600	U	63	U	280	U	2800	UD
4,6-DINITRO-2-METHYLPHENOL	220	U	23	U	99	U	990	UD
4-BROMOPHENYL PHENYL ETHER	98	U	10	U	45	U	450	UD
4-CHLORO-3-METHYLPHENOL	110	U	12	U	51	U	510	UD
4-CHLOROPHENYL PHENYL ETHER	92	U	9.6	U	42	U	420	UD
4-METHYLPHENOL	170	U	18	U	79	U	790	UD
4-NITROPHENOL	360	U	38	U	170	U	1700	UD
ACENAPHTHYLENE	110	U	12	U	750	J	510	UD
ACENAPTHENE	82	U	8.6	U	2900		3200	JD
ANTHRACENE	1200	J	9.3	U	5900		6900	JD
BENZO(A)ANTHRACENE	2000	J	5.9	U	16000	E	16000	JD
BENZO(A)PYRENE	1400	J	6.7	U	12000		11000	JD

Notes:

ug/kg: Micrograms per kilograms

MDL: Method detection limit

U: Indicates the compound was analyzed for but was not detected.

J: Indicates an estimated value.

D: Indicates the compound identified in an analysis at a secondary dilution factor.

B: Indicates the analyte was found in the blank.

E: Indicates the analyte's concentration exceeds the calibrated range of the instrument for that specific analysis.

**SUMMARY OF SVOCs IN SOIL SAMPLES
CONVENTION CENTER INVESTIGATION**

Table O.2-33

Location ID	B-1104		B-1104		B-1201		B-1201	
Sample ID	B-1104-3-5		B-1104-8-10		B-1201-2-4		B-1201-2-4DL	
Depth	3-5		8-10		2-4		2-4	
Dilution Factor	1.0		1.0		1.0		20.0	
Sample Date	8/6/2004		8/6/2004		8/11/2004		8/11/2004	
Unit	ug/Kg		ug/Kg		ug/Kg		ug/Kg	
BENZO(B)FLUORANTHENE	2000	J	21	U	16000	E	15000	JD
BENZO(G,H,I)PERYLENE	470	J	17	U	3300		3300	JD
BENZO(K)FLUORANTHENE	940	J	13	U	6700		5700	JD
BENZYL BUTYL PHTHALATE	130	U	13	U	58	U	580	UD
BIS(2-CHLOROETHOXY)METHANE	170	U	18	U	78	U	780	UD
BIS(2-CHLOROETHYL-ETHER	180	U	19	U	84	U	840	UD
BIS(2-ETHYLHEXYL)PHTHALATE	86	U	8.9	U	39	U	390	UD
CARBAZOLE	82	U	8.6	U	1900		1900	JD
DIBENZ(A,H)ANTHRACENE	110	U	11	U	460	J	500	UD
DIBENZOFURAN	120	U	13	U	1800		1900	JD
DIETHYL PHTHALATE	120	U	12	U	54	U	540	UD
DIMETHYL PHTHALATE	89	U	9.3	U	41	U	410	UD
DI-N-BUTYLPHTHALATE	50	U	5.2	U	23	U	230	UD
DI-N-OCTYL PHTHALATE	89	U	9.3	U	41	U	410	UD
FLUORANTHENE	3700		5.4	U	22000	E	33000	D
FLUORENE	110	U	11	U	3400		3800	JD
HEXACHLORO-1,3-BUTADIENE	130	U	14	U	60	U	600	UD
HEXACHLOROBENZENE	70	U	7.3	U	32	U	320	UD
HEXACHLOROCYCLOPENTADIENE	94	U	9.8	U	43	U	430	UD
HEXACHLOROETHANE	180	U	19	U	82	U	820	UD
INDENO(1,2,3-CD)PYRENE	90	U	9.4	U	1800		2200	JD
1,3-DICHLOROBENZENE	140	U	14	U	63	U	630	UD
NAPHTHALENE	81	U	8.5	U	860	J	370	UD
NITROBENZENE	190	U	20	U	87	U	870	UD
N-NITROSODI-N-PROPYLAMINE	160	U	17	U	76	U	760	UD
N-NITROSODIPHENYLAMINE	95	U	9.9	U	44	U	440	UD
P-CHLOROANILINE	1400	U	140	U	630	U	6300	UD
PENTACHLOROPHENOL	120	U	12	U	53	U	530	UD
PHENANTHRENE	2900	J	8.7	U	23000	E	36000	D
PHENOL	160	U	16	U	71	U	710	UD
P-NITROANILINE	290	U	30	U	130	U	1300	UD
PYRENE	4400		6.9	U	24000	E	32000	D

Notes:

ug/kg: Micrograms per kilograms

MDL: Method detection limit

U: Indicates the compound was analyzed for but was not detected.

J: Indicates an estimated value.

D: Indicates the compound identified in an analysis at a secondary dilution factor.

B: Indicates the analyte was found in the blank.

E: Indicates the analyte's concentration exceeds the calibrated range of the instrument for that specific analysis.

**SUMMARY OF SVOCs IN SOIL SAMPLES
CONVENTION CENTER INVESTIGATION**

Table O.2-33

Location ID	B-1201		B-1201		B-1202		B-1202	
Sample ID	B-1201-6-8		B-1201-6-8DL		B-1202-1.5-4		B-1202-1.5-4RE	
Depth	6-8		6-8		1.5-4		1.5-4	
Dilution Factor	1.0		10.0		1.0		1.0	
Sample Date	8/10/2004		8/10/2004		8/10/2004		8/10/2004	
Unit	ug/Kg		ug/Kg		ug/Kg		ug/Kg	
1,2,4-TRICHLOROBENZENE	25	U	250	UD	22	U	22	U
CHRYSENE	4700		5000	JD	2500		2600	
1,2-DICHLOROBENZENE	48	U	480	UD	41	U	41	U
1,4-DICHLOROBENZENE	37	U	370	UD	32	U	32	U
2,2'-OXYBIS(1-CHLOROPROPANE)	47	U	470	UD	41	U	41	U
2,4,5-TRICHLOROPHENOL	58	U	580	UD	50	U	50	U
2,4,6-TRICHLOROPHENOL	32	U	320	UD	28	U	28	U
2,4-DICHLOROPHENOL	31	U	310	UD	27	U	27	U
2,4-DIMETHYLPHENOL	47	U	470	UD	41	U	41	U
2,4-DINITROPHENOL	39	U	390	UD	33	U	33	U
2,4-DINITROTOLUENE	18	U	180	UD	15	U	15	U
2,6-DINITROTOLUENE	37	U	370	UD	32	U	32	U
2-CHLORONAPHTHALENE	18	U	180	UD	16	U	16	U
2-CHLOROPHENOL	38	U	380	UD	33	U	33	U
2-METHYLNAPHTHALENE	600	J	150	UD	13	U	13	U
2-METHYLPHENOL	55	U	550	UD	48	U	48	U
2-NITROANILINE	32	U	320	UD	28	U	28	U
2-NITROPHENOL	35	U	350	UD	30	U	30	U
3,3'-DICHLOROBENZIDINE	140	U	1400	UD	120	U	120	U
ISOPHRONE	33	U	330	UD	28	U	28	U
3-NITROANILINE	140	U	1400	UD	120	U	120	U
4,6-DINITRO-2-METHYLPHENOL	51	U	510	UD	44	U	44	U
4-BROMOPHENYL PHENYL ETHER	23	U	230	UD	20	U	20	U
4-CHLORO-3-METHYLPHENOL	26	U	260	UD	22	U	22	U
4-CHLOROPHENYL PHENYL ETHER	22	U	220	UD	19	U	19	U
4-METHYLPHENOL	40	U	400	UD	35	U	35	U
4-NITROPHENOL	86	U	860	UD	74	U	74	U
ACENAPHTHYLENE	310	J	260	UD	23	U	23	U
ACENAPTHENE	1000		1000	JD	250	J	260	J
ANTHRACENE	2300		2500	JD	740	J	680	J
BENZO(A)ANTHRACENE	5100		5300	JD	2800		2800	
BENZO(A)PYRENE	5000		4200	JD	2900		2900	

Notes:

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B: Indicates the analyte was found in the blank.

E: Indicates the analyte's concentration exceeds the calibrated range of the instrument for that specific analysis.

**SUMMARY OF SVOCs IN SOIL SAMPLES
CONVENTION CENTER INVESTIGATION**

Table O.2-33

Location ID	B-1201		B-1201		B-1202		B-1202	
Sample ID	B-1201-6-8		B-1201-6-8DL		B-1202-1.5-4		B-1202-1.5-4RE	
Depth	6-8		6-8		1.5-4		1.5-4	
Dilution Factor	1.0		10.0		1.0		1.0	
Sample Date	8/10/2004		8/10/2004		8/10/2004		8/10/2004	
Unit	ug/Kg		ug/Kg		ug/Kg		ug/Kg	
BENZO(B)FLUORANTHENE	6200		5700	JD	3700		3800	
BENZO(G,H,I)PERYLENE	1500		1300	JD	960		860	
BENZO(K)FLUORANTHENE	2400		2600	JD	1600		1600	
BENZYL BUTYL PHTHALATE	29	U	290	UD	25	U	25	U
BIS(2-CHLOROETHOXY)METHANE	40	U	400	UD	35	U	35	U
BIS(2-CHLOROETHYL-ETHER	43	U	430	UD	37	U	37	U
BIS(2-ETHYLHEXYL)PHTHALATE	20	U	200	UD	110	JB	160	JB
CARBAZOLE	1100		1200	JD	200	J	180	J
DIBENZ(A,H)ANTHRACENE	220	J	260	UD	130	J	120	J
DIBENZOFURAN	940		920	JD	100	J	100	J
DIETHYL PHTHALATE	28	U	280	UD	24	U	24	U
DIMETHYL PHTHALATE	21	U	210	UD	18	U	18	U
DI-N-BUTYLPHTHALATE	12	U	120	UD	10	U	10	U
DI-N-OCTYL PHTHALATE	21	U	210	UD	18	U	18	U
FLUORANTHENE	9600	E	13000	D	4300		4100	
FLUORENE	1200		1300	JD	230	J	230	J
HEXACHLORO-1,3-BUTADIENE	31	U	310	UD	27	U	27	U
HEXACHLOROBENZENE	16	U	160	UD	14	U	14	U
HEXACHLOROCYCLOPENTADIENE	22	U	220	UD	19	U	19	U
HEXACHLOROETHANE	42	U	420	UD	36	U	36	U
INDENO(1,2,3-CD)PYRENE	970		210	UD	480	J	440	J
1,3-DICHLOROBENZENE	32	U	320	UD	28	U	28	U
NAPHTHALENE	1200		1200	JD	110	J	110	J
NITROBENZENE	45	U	450	UD *	39	U	39	U
N-NITROSODI-N-PROPYLAMINE	39	U	390	UD	33	U	33	U
N-NITROSODIPHENYLAMINE	22	U	220	UD	19	U	19	U
P-CHLOROANILINE	320	U	3200	UD *	280	U	280	U
PENTACHLOROPHENOL	27	U	270	UD	24	U	24	U
PHENANTHRENE	9200	E	14000	D	2700		2600	
PHENOL	37	U	370	UD *	32	U	32	U
P-NITROANILINE	69	U	690	UD	59	U	59	U
PYRENE	8300	E	12000	D	4300		4400	

Notes:

ug/kg: Micrograms per kilograms

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D: Indicates the compound identified in an analysis at a secondary dilution factor.

B: Indicates the analyte was found in the blank.

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**SUMMARY OF SVOCs IN SOIL SAMPLES
CONVENTION CENTER INVESTIGATION**

Table O.2-33

Location ID	B-1202		B-1202		B-1202	
Sample ID	B-1202-5.5-8		B-1202-10-12		B-1202-10-12RE	
Depth	5.5-8		10-12		10-12	
Dilution Factor	1.0		1.0		1.0	
Sample Date	8/10/2004		8/11/2004		8/11/2004	
Unit	ug/Kg		ug/Kg		ug/Kg	
1,2,4-TRICHLOROBENZENE	16	U	12	U	12	U
CHRYSENE	63	J	77	J	81	J
1,2-DICHLOROBENZENE	30	U	22	U	22	U
1,4-DICHLOROBENZENE	23	U	17	U	17	U
2,2'-OXYBIS(1-CHLOROPROPANE)	30	U	22	U	22	U
2,4,5-TRICHLOROPHENOL	37	U	27	U	27	U
2,4,6-TRICHLOROPHENOL	20	U	15	U	15	U
2,4-DICHLOROPHENOL	19	U	14	U	14	U
2,4-DIMETHYLPHENOL	30	U	22	U	22	U
2,4-DINITROPHENOL	24	U	18	U	18	U
2,4-DINITROTOLUENE	11	U	8.2	U	8.2	U
2,6-DINITROTOLUENE	24	U	18	U	18	U
2-CHLORONAPHTHALENE	12	U	8.6	U	8.6	U
2-CHLOROPHENOL	24	U	18	U	18	U
2-METHYLNAPHTHALENE	9.5	U	7.1	U	7.1	U
2-METHYLPHENOL	35	U	26	U	26	U
2-NITROANILINE	20	U	15	U	15	U
2-NITROPHENOL	22	U	17	U	17	U
3,3'-DICHLOROBENZIDINE	89	U	66	U	66	U
ISOPHRONE	21	U	15	U	15	U
3-NITROANILINE	89	U	66	U	66	U
4,6-DINITRO-2-METHYLPHENOL	32	U	24	U	24	U
4-BROMOPHENYL PHENYL ETHER	15	U	11	U	11	U
4-CHLORO-3-METHYLPHENOL	16	U	12	U	12	U
4-CHLOROPHENYL PHENYL ETHER	14	U	10	U	10	U
4-METHYLPHENOL	25	U	19	U	19	U
4-NITROPHENOL	54	U	40	U	40	U
ACENAPHTHYLENE	17	U	12	U	12	U
ACENAPTHENE	12	U	9.1	U	9.1	U
ANTHRACENE	13	U	580		470	
BENZO(A)ANTHRACENE	60	J	72	J	69	J
BENZO(A)PYRENE	9.5	U	53	J	53	J

Notes:

ug/kg: Micrograms per kilograms

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B: Indicates the analyte was found in the blank.

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**SUMMARY OF SVOCs IN SOIL SAMPLES
CONVENTION CENTER INVESTIGATION**

Table O.2-33

Location ID	B-1202		B-1202		B-1202	
Sample ID	B-1202-5.5-8		B-1202-10-12		B-1202-10-12RE	
Depth	5.5-8		10-12		10-12	
Dilution Factor	1.0		1.0		1.0	
Sample Date	8/10/2004		8/11/2004		8/11/2004	
Unit	ug/Kg		ug/Kg		ug/Kg	
BENZO(B)FLUORANTHENE	74	J	61	J	77	J
BENZO(G,H,I)PERYLENE	24	U	18	U	18	U
BENZO(K)FLUORANTHENE	19	U	14	U	14	U
BENZYL BUTYL PHTHALATE	19	U	14	U	14	U
BIS(2-CHLOROETHOXY)METHANE	25	U	19	U	19	U
BIS(2-CHLOROETHYL-ETHER	27	U	20	U	20	U
BIS(2-ETHYLHEXYL)PHTHALATE	13	U	9.4	U	9.4	U
CARBAZOLE	12	U	9.1	U	9.1	U
DIBENZ(A,H)ANTHRACENE	16	U	12	U	12	U
DIBENZOFURAN	18	U	14	U	14	U
DIETHYL PHTHALATE	17	U	13	U	13	U
DIMETHYL PHTHALATE	13	U	9.8	U	9.8	U
DI-N-BUTYLPHTHALATE	7.4	U	5.5	U	5.5	U
DI-N-OCTYL PHTHALATE	13	U	9.8	U	9.8	U
FLUORANTHENE	140	J	450		460	
FLUORENE	16	U	1200		1000	
HEXACHLORO-1,3-BUTADIENE	19	U	14	U	14	U
HEXACHLOROBENZENE	10	U	7.7	U	7.7	U
HEXACHLOROCYCLOPENTADIENE	14	U	10	U	10	U
HEXACHLOROETHANE	26	U	20	U	20	U
INDENO(1,2,3-CD)PYRENE	13	U	9.9	U	9.9	U
1,3-DICHLOROBENZENE	20	U	15	U	15	U
NAPHTHALENE	56	J	920		1100	
NITROBENZENE	28	U	21	U	21	U
N-NITROSODI-N-PROPYLAMINE	24	U	18	U	18	U
N-NITROSODIPHENYLAMINE	14	U	10	U	10	U
P-CHLOROANILINE	200	U	150	U	150	U
PENTACHLOROPHENOL	17	U	13	U	13	U
PHENANTHRENE	160	J	2100		2100	
PHENOL	23	U	17	U	17	U
P-NITROANILINE	43	U	32	U	32	U
PYRENE	110	J	310	J	310	J

Notes:

ug/kg: Micrograms per kilograms

MDL: Method detection limit

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J: Indicates an estimated value.

D: Indicates the compound identified in an analysis at a secondary dilution factor.

B: Indicates the analyte was found in the blank.

E: Indicates the analyte's concentration exceeds the calibrated range of the instrument for that specific analysis.

**SUMMARY OF METALS IN SOIL SAMPLES
CONVENTION CENTER INVESTIGATION**

Table O.2-34

Location ID	B-601		B-602		B-602		B-603	
Sample ID	B-601-2-4		B-602-3-5		B-602-6-8		B-603-4-6	
Depth	2-4		3-5		6-8		4-6	
Dilution Factor	1.0		1.0		1.0		1.0	
Sample Date	8/10/2004		8/10/2004		8/17/2004		8/11/2004	
Unit	mg/Kg		mg/Kg		mg/Kg		mg/Kg	
ALUMINUM (FUME OR DUST)	6760		5000		6990		6860	
ANTIMONY	0.646	UN	0.68	UN	0.692	JN	0.772	JN
ARSENIC	2.89		5.2		6.25		11	
BARIIUM	104		131		139		244	
BERYLLIUM	0.542	J	0.431	J	0.436	JN	0.379	J
CADMIUM	0.229	J	0.136	J	0.704		1.7	
CALCIUM METAL	3640				61700		46300	
CHROMIUM-TOTAL RECOVERABLE	15.4		15.3		21.5		13.1	
COBALT	6.5		3.3		5.39		9.89	
COPPER	28.2	N	18.8		37.5		257	
IRON	11000		7080		13200		27800	
LEAD	162	N	22		63.1		283	
MAGNESIUM	2160		15400		6800		4860	
MANGANESE	302		121		169		273	
NICKEL	13.1		12.3		18.4		20.9	
POTASSIUM	1690	N	1720	N	2450	N	1760	
SELENIUM	1.07	J	1.21	J	1.85	N	2.37	N
SILVER	0.12	U	0.127	U	0.122	U	0.117	U
SODIUM	223	JN	1140		1270		1040	
THALLIUM	0.378	U	0.399	U	0.382	U	0.368	U
VANADIUM (FUME OR DUST)	19.2		13.5		20.7		33.7	
ZINC	77.1		59		95.7		378	
MERCURY	0.1	N	0.01	N	0.54		0.15	

Notes:

mg/kg: Milligrams per kilograms

MDL: Method detection limit

U: Indicates the compound was analyzed for but was not detected.

J: Indicates an estimated value.

N: Indicates presumptive evidence of a compound.

D: Indicates the compound identified in an analysis at a secondary dilution factor.

**SUMMARY OF METALS IN SOIL SAMPLES
CONVENTION CENTER INVESTIGATION**

Table O.2-34

Location ID	B-603		B-604		B-604		B-605	
Sample ID	B-603-11-12		B-604-6-8		B-604-10-12		B-605-0-2	
Depth	11-12		6-8		10-12		0-2	
Dilution Factor	1.0		1.0		1.0		1.0	
Sample Date	8/23/2004		8/11/2004		8/11/2004		8/5/2004	
Unit	mg/Kg		mg/Kg		mg/Kg		mg/Kg	
ALUMINUM (FUME OR DUST)	3730		3520		4040		6270	
ANTIMONY	0.688	UN	0.628	UN	0.605	UN	0.586	UN
ARSENIC	16		0.925	J	1.76		3.6	
BARIUM	105	JN	34.3		58.7		135	
BERYLLIUM	0.924	J	0.213	J	0.236	J	0.718	
CADMIUM	0.433	J	0.066	J	0.049	U	1.94	
CALCIUM METAL	4210	J	26000		2920		31400	
CHROMIUM-TOTAL RECOVERABLE	8.02	JN	8.55		9.43		15.8	N
COBALT	19.1	JN	4.35	J	4.1	J	5.42	
COPPER	46		10.6		21.4		56.9	N
IRON	11400		8720		5860		12900	
LEAD	784	N	38		80.9		73.9	N
MAGNESIUM	2350	J	7580		1810		8380	
MANGANESE	116		232		110		205	
NICKEL	38.4	J	6.32		10.2		13.7	
POTASSIUM	661	J	763		840		1440	N
SELENIUM	1.24	JN	0.859	JN	0.519	JN	1.55	N
SILVER	0.128	UN	0.117	U	0.113	U	0.109	U
SODIUM	409	JN	201	J	175	J	515	JN
THALLIUM	0.403	U	0.368	U	0.355	U	0.343	U
VANADIUM (FUME OR DUST)	9.29	J	14.4	N	11.1	N	25.5	N
ZINC	82.6		33.8		46.5		172	
MERCURY	0.49		0.02	N	0.32	N	0.13	N

Notes:

mg/kg: Milligrams per kilograms

MDL: Method detection limit

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J: Indicates an estimated value.

N: Indicates presumptive evidence of a compound.

D: Indicates the compound identified in an analysis at a secondary dilution factor.

**SUMMARY OF METALS IN SOIL SAMPLES
CONVENTION CENTER INVESTIGATION**

Table O.2-34

Location ID	B-605		B-606		B-606		B-606	
Sample ID	B-605-11-13.5		B-606-0-2		B-606-11-13.5		DUP	
Depth	11-13.5		0-2		11-13.5		11-13.5	
Dilution Factor	1.0		1.0		1.0		1.0	
Sample Date	8/5/2004		8/5/2004		8/5/2004		8/5/2004	
Unit	mg/Kg		mg/Kg		mg/Kg		mg/Kg	
ALUMINUM (FUME OR DUST)	5920		6200		7740		8530	
ANTIMONY	0.605	UN	0.605	UN	0.62	UN	0.616	UN
ARSENIC	3.3		7.92		2.42		2.93	
BARIUM	85.3		99.5		112		101	
BERYLLIUM	0.611		0.765		0.657		0.62	
CADMIUM	1.43		2.09		1.65		1.86	
CALCIUM METAL	6600		36800		9840		8970	
CHROMIUM-TOTAL RECOVERABLE	12.7	N	21.2	N	19.3	N	19.7	N
COBALT	10.5		6.01		6.37		7.07	
COPPER	57.2	N	78.6	N	25.3	N	25	N
IRON	11900		12100		12800		13800	
LEAD	75.5	N	128	N	143	N	129	N
MAGNESIUM	2520		15600		3700		3490	
MANGANESE	323		229		271		266	
NICKEL	16.7		17.6		12.5		13.9	
POTASSIUM	1450	N	1610	N	2470	N	2370	N
SELENIUM	1.57	N	1.1	N	0.83	JN	1.36	N
SILVER	0.113	U	0.113	U	0.116	U	0.115	U
SODIUM	327	JN	494	JN	172	JN	282	JN
THALLIUM	0.355	U	0.354	U	0.363	U	0.361	U
VANADIUM (FUME OR DUST)	35	N	26.2	N	25.2	N	29.3	N
ZINC	91.5		220		110		90.5	
MERCURY	0.29	N	0.17	N	0.23	N	0.21	N

Notes:

mg/kg: Milligrams per kilograms

MDL: Method detection limit

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J: Indicates an estimated value.

N: Indicates presumptive evidence of a compound.

D: Indicates the compound identified in an analysis at a secondary dilution factor.

**SUMMARY OF METALS IN SOIL SAMPLES
CONVENTION CENTER INVESTIGATION**

Table O.2-34

Location ID	B-607		B-701		B-701		B-702	
Sample ID	B-607-3-4		B-701-2-5		B-701-6-9		B-702-10-12	
Depth	3-4		2-5		6-9		10-12	
Dilution Factor	1.0		1.0		1.0		1.0	
Sample Date	8/10/2004		8/12/2004		8/13/2004		8/11/2004	
Unit	mg/Kg		mg/Kg		mg/Kg		mg/Kg	
ALUMINUM (FUME OR DUST)	6420		5380		4700		7660	
ANTIMONY	0.627	UN	0.766	UN	0.758	UN	0.669	UN
ARSENIC	4.33		5.52		7.96		6.12	
BARIIUM	148		90.4		309		219	
BERYLLIUM	0.46	J	0.407	J	0.289	J	0.151	J
CADMIUM	0.885		0.734		0.542		0.178	
CALCIUM METAL	32600		53200		39300		6250	
CHROMIUM-TOTAL RECOVERABLE	17.7		16.1		11.5		21.5	
COBALT	6.74		4.68		7.33		10.7	
COPPER	31.5	N	35.5		25.7		50.7	
IRON	11600		8820		12100		17600	
LEAD	380	N	110		282		267	
MAGNESIUM	3780		16700		3430		3920	
MANGANESE	201		158		455		189	
NICKEL	11.8		11.2		19.5		18.5	
POTASSIUM	3350	N	1260		1240		4860	
SELENIUM	0.565	J	0.704		1.46		2.42	
SILVER	0.117	U	0.143		0.141		0.125	
SODIUM	631	N	674		456		394	
THALLIUM	0.367	U	0.449		0.444		0.392	
VANADIUM (FUME OR DUST)	29.4		17.5		21.1		39.4	
ZINC	170		205		303		256	
MERCURY	0.44	N	0.23		0.18		0.18	

Notes:

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N: Indicates presumptive evidence of a compound.

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**SUMMARY OF METALS IN SOIL SAMPLES
CONVENTION CENTER INVESTIGATION**

Table O.2-34

Location ID	B-702		B-801		B-801		B-801	
Sample ID	B-702-14-15		B-801-3-4		B-801-10-12		B-801-13-15	
Depth	14-15		3-4		10-12		13-15	
Dilution Factor	1.0		1.0		1.0		1.0	
Sample Date	8/11/2004		8/10/2004		8/10/2004		8/12/2004	
Unit	mg/Kg		mg/Kg		mg/Kg		mg/Kg	
ALUMINUM (FUME OR DUST)	7440		7020		8430		4740	
ANTIMONY	0.811	UN	0.667	UN	0.731	UN	0.606	UN
ARSENIC	13.1		9.25		6.51		1.19	
BARIIUM	342		112		280		52.3	
BERYLLIUM	0.429	J	0.492	J	0.305	J	0.164	J
CADMIUM	0.238	J	2.43		3.07		0.893	
CALCIUM METAL	34200		60600		49000		131000	D
CHROMIUM-TOTAL RECOVERABLE	14		19.6		16.3		7.06	N
COBALT	5.26	J	4.82	J	5.84	J	2.58	J
COPPER	73		42.4	N	79		12.6	
IRON	12600		28600		42400		4810	
LEAD	824		434	N	839		86.8	
MAGNESIUM	3170		7080		4130		35400	N
MANGANESE	352		274		413		138	N
NICKEL	12.7		12.5		13.3		5.02	
POTASSIUM	1520		1880	N	2010		1210	N
SELENIUM	2.4	N	0.478	J	2.61	N	0.337	U
SILVER	0.399	J	0.124	U	2.25		0.113	U
SODIUM	998		1280	N	1540		817	N
THALLIUM	0.476	U	0.391	U	0.429	U	0.355	U
VANADIUM (FUME OR DUST)	23.6	N	16.7		30.8	N	7.63	N
ZINC	99		367		419		202	N
MERCURY	2.4	ND	0.46	N	0.18	N	0.12	N

Notes:

mg/kg: Milligrams per kilograms

MDL: Method detection limit

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J: Indicates an estimated value.

N: Indicates presumptive evidence of a compound.

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**SUMMARY OF METALS IN SOIL SAMPLES
CONVENTION CENTER INVESTIGATION**

Table O.2-34

Location ID	B-802		B-901		B-901		B-902	
Sample ID	B-802-3-4		B-901-3-5		B-901-6-8		B-902-1.5-4.5	
Depth	3-4		3-5		6-8		1.5-4.5	
Dilution Factor	1.0		1.0		1.0		1.0	
Sample Date	8/12/2004		8/9/2004		8/9/2004		8/13/2004	
Unit	mg/Kg		mg/Kg		mg/Kg		mg/Kg	
ALUMINUM (FUME OR DUST)	7440		11900		5810		4510	
ANTIMONY	0.623	UN	0.675	UN	0.639	UN	0.804	UN
ARSENIC	1.47		6.59		1.71		1.7	
BARIIUM	62.5		183		75.7		34.4	
BERYLLIUM	0.343	J	0.703		0.38	J	0.187	J
CADMIUM	0.118	J	0.958		0.357	J	0.127	J
CALCIUM METAL	1550	N	12000		38300		11200	N
CHROMIUM-TOTAL RECOVERABLE	14.3	N	23.5		22.7		12	N
COBALT	7.43		15.5		7.91		4.56	J
COPPER	17.1		137	N	23.2	N	12.3	
IRON	13900		20900		11900		9630	
LEAD	20.5		178	N	64.1	N	46.7	
MAGNESIUM	3000	N	7280		21500		2830	N
MANGANESE	277	N	385		208		177	N
NICKEL	12.1		24.8		16.4		8.64	
POTASSIUM	1870	N	6090	N	3800	N	860	N
SELENIUM	1.12		1.25		0.379	J	0.686	J
SILVER	0.116	U	0.126	U	0.119	U	0.15	U
SODIUM	143	JN	682	N	378	JN	140	JN
THALLIUM	0.365	U	0.396	U	0.375	U	0.471	U
VANADIUM (FUME OR DUST)	21.7	N	36.5		20		14.9	N
ZINC	37.9	N	201		42.7		43.3	N
MERCURY	0.15	N	0.47	N	0.04	N	0.06	N

Notes:

mg/kg: Milligrams per kilograms

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**SUMMARY OF METALS IN SOIL SAMPLES
CONVENTION CENTER INVESTIGATION**

Table O.2-34

Location ID	B-903		B-903		B-904		B-904	
Sample ID	B-903-3-4		B-903-15-17		B-904		DUP	
Depth	3-4		15-17		3-5		3-5	
Dilution Factor	1.0		1.0		1.0		1.0	
Sample Date	8/12/2004		8/12/2004		8/9/2004		8/9/2004	
Unit	mg/Kg		mg/Kg		mg/Kg		mg/Kg	
ALUMINUM (FUME OR DUST)	3660		3470		7150		7950	
ANTIMONY	0.6	UN	0.722	UN	0.743	UN	0.818	UN
ARSENIC	1.36		1.85		16.1		8.54	
BARIIUM	17.3	J	39.2		209		234	
BERYLLIUM	0.315	J	0.236	J	0.531	J	0.602	J
CADMIUM	0.049	U	0.059	U	0.298	J	0.38	J
CALCIUM METAL	372	JN	2860	N	21100		55900	
CHROMIUM-TOTAL RECOVERABLE	6.26	N	8.41	N	18.3		22.3	
COBALT	2.61	J	4.56	J	7.33		8.46	
COPPER	4.89		14.4		68.1	N	41.7	N
IRON	6600		6970		11900		11600	
LEAD	5.36		46.5		477	N	206	N
MAGNESIUM	410	JN	993	N	6390		25900	
MANGANESE	120	N	77.4	N	197		253	
NICKEL	2.8	J	4.92	J	14.3		15.8	
POTASSIUM	338	JN	546	JN	2420	N	4150	N
SELENIUM	0.569	J	1.01	J	0.951	J	0.814	J
SILVER	0.112	U	0.135	U	0.139	U	0.153	U
SODIUM	144	JN	346	JN	450	JN	552	JN
THALLIUM	0.351	U	0.423	U	0.435	U	0.48	U
VANADIUM (FUME OR DUST)	11.4	N	11.8	N	20		21.2	
ZINC	14	N	33.7	N	126		121	
MERCURY	0.01	N	0.96	ND	0.34	N	0.73	ND

Notes:

mg/kg: Milligrams per kilograms

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**SUMMARY OF METALS IN SOIL SAMPLES
CONVENTION CENTER INVESTIGATION**

Table O.2-34

Location ID	B-904		B-904		B-905		B-905	
Sample ID	B-904-6.5-8.5		B-904-18-20		B-905-2-4		B-905-7-9	
Depth	6.5-8.5		18-20		2-4		7-9	
Dilution Factor	1.0		1.0		1.0		1.0	
Sample Date	8/9/2004		8/9/2004		8/12/2004		8/12/2004	
Unit	mg/Kg		mg/Kg		mg/Kg		mg/Kg	
ALUMINUM (FUME OR DUST)	11100		15900		6810		8780	
ANTIMONY	0.809	UN	0.964	UN	0.772	UN	1.53	JN
ARSENIC	9.64		9.13		17.4		30.2	
BARIUM	98.3		50.4		309		476	
BERYLLIUM	0.682	J	1.03		0.396	J	0.548	J
CADMIUM	0.083	J	0.583	J	0.503	J	1.03	J
CALCIUM METAL	8050		3190		27200		39800	
CHROMIUM-TOTAL RECOVERABLE	14.2		25.3		22.4		33.7	
COBALT	8.73		12		6.52		8.96	
COPPER	18.8	N	26.6	N	74.7		85.4	
IRON	15800		26700		14000		25000	
LEAD	65.3	N	40.9	N	460		646	
MAGNESIUM	4280		6790		5100		12900	
MANGANESE	341		1040		160		257	
NICKEL	17.7		27		17.3		25.3	
POTASSIUM	2550	N	3370	N	2010	N	2450	N
SELENIUM	1.01	J	2.12		1.74		3.54	
SILVER	0.151	U	0.18	U	0.419	J	0.226	U
SODIUM	475	JN	4270	N	513	JN	672	JN
THALLIUM	0.474	U	0.565	U	0.453	U	0.711	U
VANADIUM (FUME OR DUST)	26		33.2		22.7		33.8	
ZINC	56.5		80.2		198		266	
MERCURY	0.05	N	0.1	N	1.8	ND	4.9	ND

Notes:

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N: Indicates presumptive evidence of a compound.

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**SUMMARY OF METALS IN SOIL SAMPLES
CONVENTION CENTER INVESTIGATION**

Table O.2-34

Location ID	B-905		B-906		B-906		B-907	
Sample ID	DUP-8-12-04		B-906-3.5-5		B-906-7-8		B-907-3-5	
Depth	7-9		3.5-5		7-8		3-5	
Dilution Factor	1.0		1.0		1.0		1.0	
Sample Date	8/12/2004		8/9/2004		8/9/2004		8/6/2004	
Unit	mg/Kg		mg/Kg		mg/Kg		mg/Kg	
ALUMINUM (FUME OR DUST)	8420		2130		6400		8750	
ANTIMONY	2.36	JN	0.779	UN	1.31	UN	0.636	UN
ARSENIC	14.7		6.36		16.9		4.14	
BARIUM	373		803		767		212	
BERYLLIUM	0.496	J	0.318	J	0.79	J	0.996	
CADMIUM	0.768		0.064		0.235		3.06	
CALCIUM METAL	20400		7820		72700		14000	
CHROMIUM-TOTAL RECOVERABLE	44.6	N	15		17.8		44.1	N
COBALT	9.03		2.61		7.36		13.9	
COPPER	140		37.6		49.7		99.5	
IRON	14500		6420		16200		20700	
LEAD	701		960		579		1060	
MAGNESIUM	3650	N	847		34900		3300	
MANGANESE	214		104		252		319	
NICKEL	22.1		5.83		13.6		53.8	
POTASSIUM	1940	N	530		2710		1910	
SELENIUM	3.11		1.38		2.49		2.73	
SILVER	0.379	J	0.145		0.243		0.119	
SODIUM	586	JN	406		1180		460	
THALLIUM	0.394		0.456		0.765		0.373	
VANADIUM (FUME OR DUST)	30.2		8.17		23.3		29.9	
ZINC	329		169		190		321	
MERCURY	0.02		3.8		3.3		0.21	

Notes:

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**SUMMARY OF METALS IN SOIL SAMPLES
CONVENTION CENTER INVESTIGATION**

Table O.2-34

Location ID	B-907		B-907		B-1101		B-1101	
Sample ID	B-907-9-10		DUP		B-1101-3-5		B-1101-7-9	
Depth	9-10		9-10		3-5		7-9	
Dilution Factor	1.0		1.0		1.0		1.0	
Sample Date	8/6/2004		8/6/2004		8/5/2004		8/5/2004	
Unit	mg/Kg		mg/Kg		mg/Kg		mg/Kg	
ALUMINUM (FUME OR DUST)	7360		6850		8640		9130	
ANTIMONY	0.696	UN	0.627	UN	0.61	UN	0.668	UN
ARSENIC	0.457	J	4.16		7.25		2.3	
BARIUM	91.6		143		107		78.1	
BERYLLIUM	0.724		0.669		0.81		0.637	
CADMIUM	1.52		2.26		1.22		1.99	
CALCIUM METAL	2240		25100		2400		1720	
CHROMIUM-TOTAL RECOVERABLE	14.4	N	26.6	N	16.7	N	15.7	N
COBALT	6.89		7.76		5.34	J	7.62	
COPPER	16.2	N	49.3	N	64.8	N	22.2	N
IRON	13900		15100		10800		14100	
LEAD	10.8	N	531	N	219	N	61.3	N
MAGNESIUM	3200		4150		2500		2860	
MANGANESE	164		288		150		200	
NICKEL	17.3		25.4		13.4		15.4	
POTASSIUM	2850	N	2290	N	958	N	1450	N
SELENIUM	1.65	N	1.88	N	1.33	N	2.1	N
SILVER	0.13	U	0.453	J	0.114	U	2.51	
SODIUM	1010	N	554	JN	110	JN	249	JN
THALLIUM	0.408	U	0.368	U	0.357	U	0.391	U
VANADIUM (FUME OR DUST)	20	N	26.1	N	15.7	N	63.4	N
ZINC	36.3		190		91.7		47	
MERCURY	0.01	UN	0.4	N	0.32	N	0.16	N

Notes:

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**SUMMARY OF METALS IN SOIL SAMPLES
CONVENTION CENTER INVESTIGATION**

Table O.2-34

Location ID	B-1101		B-1102		B-1102		B-1103	
Sample ID	B-1101-13-15		B-1102-1-3		B-1102-7.5-9.5		B-1103-3-5	
Depth	13-15		1-3		7.5-9.5		3-5	
Dilution Factor	1.0		1.0		1.0		1.0	
Sample Date	8/5/2004		8/9/2004		8/9/2004		8/5/2004	
Unit	mg/Kg		mg/Kg		mg/Kg		mg/Kg	
ALUMINUM (FUME OR DUST)	7300		4970		3190		10700	
ANTIMONY	0.784	UN	0.601	UN	0.633	UN	0.709	JN
ARSENIC	7.6		4.59		2.03		4.85	
BARIUM	228		88.7		58.8		184	
BERYLLIUM	0.795		0.46	J	0.493	J	0.578	
CADMIUM	1.91		0.406	J	0.07	J	3.56	
CALCIUM METAL	6000		35900		15100		16500	
CHROMIUM-TOTAL RECOVERABLE	13.8	N	11.3		16.6		29.8	N
COBALT	8.46		4.89	J	2.94	J	13.2	
COPPER	37	N	39.1	N	14.8	N	90.5 N	
IRON	17600		9980		5260		23500	
LEAD	428	N	231	N	58	N	136 N	
MAGNESIUM	2420		10800		4950		11400	
MANGANESE	174		197		111		265	
NICKEL	15		14.2		9.82		20.2	
POTASSIUM	2450	N	1740	N	1300	N	7200	N
SELENIUM	3	N	0.334	U	1.74		2.45 N	
SILVER	0.579	J	0.112	U	0.118	U	6.74	
SODIUM	469	JN	401	JN	242	JN	336 JN	
THALLIUM	0.46	U	0.352	U	0.371	U	0.363 U	
VANADIUM (FUME OR DUST)	24.1	N	18.1		12.6		54.9 N	
ZINC	124		94.9		44		150	
MERCURY	0.2	N	0.55	ND	0.44	N	0.1 N	

Notes:

mg/kg: Milligrams per kilograms

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N: Indicates presumptive evidence of a compound.

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**SUMMARY OF METALS IN SOIL SAMPLES
CONVENTION CENTER INVESTIGATION**

Table O.2-34

Location ID	B-1103		B-1104		B-1104		B-1201	
Sample ID	B-1103-8-10		B-1104-3-5		B-1104-8-10		B-1201-2-4	
Depth	8-10		3-5		8-10		2-4	
Dilution Factor	1.0		1.0		1.0		1.0	
Sample Date	8/5/2004		8/6/2004		8/6/2004		8/11/2004	
Unit	mg/Kg		mg/Kg		mg/Kg		mg/Kg	
ALUMINUM (FUME OR DUST)	9940		7080		9170		3450	
ANTIMONY	0.634	UN	0.638	UN	0.669	UN	1.13	JN
ARSENIC	2.56		11.4		2.35		4.38	
BARIUM	78.1		92.7		67.4		387	
BERYLLIUM	0.663		0.668		0.773		0.218 J	
CADMIUM	1.79		2.26		1.52		0.841	
CALCIUM METAL	1910		49700		1920		32100	
CHROMIUM-TOTAL RECOVERABLE	18.7	N	40.4	N	18.3	N	9.77	
COBALT	8.44		6.83		7.74		4.13 J	
COPPER	26.7	N	40	N	34.5	N	117	
IRON	15800		14300		13800		8120	
LEAD	41.9	N	108	N	98.3	N	458	
MAGNESIUM	3470		9450		2840		2120	
MANGANESE	175		221		335		185	
NICKEL	17.9		26.2		15.8		9.34	
POTASSIUM	2350	N	3030	N	1300	N	773	
SELENIUM	1.8	N	1.27	N	1.26	N	0.686	JN
SILVER	0.118	U	0.119	U	0.125	U	0.137	U
SODIUM	317	JN	507	JN	44.1	UN	381	J
THALLIUM	0.372	U	0.374	U	0.392	U	0.431	U
VANADIUM (FUME OR DUST)	22.8	N	27.4	N	21.7	N	16.5	N
ZINC	67.8		105		47.1		473	
MERCURY	0.18	N	3.8	ND	0.4	N	1.8	ND

Notes:

mg/kg: Milligrams per kilograms

MDL: Method detection limit

U: Indicates the compound was analyzed for but was not detected.

J: Indicates an estimated value.

N: Indicates presumptive evidence of a compound.

D: Indicates the compound identified in an analysis at a secondary dilution factor.

**SUMMARY OF METALS IN SOIL SAMPLES
CONVENTION CENTER INVESTIGATION**

Table O.2-34

Location ID	B-1201		B-1202		B-1202		B-1202	
Sample ID	B-1201-6-8		B-1202-1.5-4		B-1202-5.5-8		B-1202-10-12	
Depth	6-8		1.5-4		5.5-8		10-12	
Dilution Factor	1.0		1.0		1.0		1.0	
Sample Date	8/10/2004		8/10/2004		8/10/2004		8/11/2004	
Unit	mg/Kg		mg/Kg		mg/Kg		mg/Kg	
ALUMINUM (FUME OR DUST)	5890		3290		4810		4030	
ANTIMONY	1.35	JN	0.639	UN	0.945	UN	0.691	UN
ARSENIC	8.65		3.02		4.42		3.52	
BARIUM	303		87.6		594		41.8	
BERYLLIUM	0.514	J	0.179	J	1.38		0.177	J
CADMIUM	0.391	J	0.141	J	0.146	J	0.461	J
CALCIUM METAL	9110		4420		22400		10200	
CHROMIUM-TOTAL RECOVERABLE	18.4		8.24		4.8		7.15	
COBALT	7.08		3.87		2.54		5.95	
COPPER	93.7		58.9		17.4		38.1	
IRON	11900		10200		11500		13800	
LEAD	591		196		68		62.2	
MAGNESIUM	2440		1440		2760		1440	
MANGANESE	346		176		169		345	
NICKEL	16		9.44		7.1		11	
POTASSIUM	1200		781		2010		631	
SELENIUM	1.04	JN	1.53	N	1.42	JN	1.07	JN
SILVER	0.139	U	0.599	J	0.176	U	0.129	U
SODIUM	375		207		1240		222	
THALLIUM	0.438	U	0.375	U	0.554	U	0.405	U
VANADIUM (FUME OR DUST)	21.8	N	11.4	N	6.75	JN	11.7	N
ZINC	379		177		251		66.7	
MERCURY	4.2	ND	0.33	N	0.08	N	0.32	N

Notes:

mg/kg: Milligrams per kilograms

MDL: Method detection limit

U: Indicates the compound was analyzed for but was not detected.

J: Indicates an estimated value.

N: Indicates presumptive evidence of a compound.

D: Indicates the compound identified in an analysis at a secondary dilution factor.

**SUMMARY OF PCBs IN SOIL SAMPLES
CONVENTION CENTER INVESTIGATION**

Table O.2-35

Location ID	B-601	B-602	B-602	B-603	B-603
Sample ID	B-601-2.4	B-602-3-5	B-602-6-8	B-603-11-12	B-603-4-6
Depth	2-4	3-5	6-8	11-12	4-6
Dilution Factor	1.0	1.0	1.0	1.0	1.0
Sample Date	8/10/2004	8/10/2004	8/17/2004	8/23/2004	8/11/2004
Unit	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg
AROCLOR-1016 (PCB-1016)	5.9 U	6.2 U	5.9 U	6.3 U	5.8 U
AROCLOR-1221 (PCB-1221)	4 U	4.2 U	4.1 U	4.3 U	3.9 U
AROCLOR-1232 (PCB-1232)	2.7 U	2.9 U	2.7 U	2.9 U	2.7 U
AROCLOR-1242 (PCB-1242)	3.5 U	3.7 U	3.5 U	3.7 U	3.4 U
AROCLOR-1248 (PCB-1248)	4.1 U	4.3 U	4.2 U	4.4 U	4 U
AROCLOR-1254 (PCB-1254)	1.5 U	1.6 U	1.5 U	1.6 U	1.5 U
AROCLOR-1260 (PCB-1260)	3.3 U	49	3.4 U	3.5 U	13 JP
TOTAL PCBs (AROCLORs)					

**SUMMARY OF PCBs IN SOIL SAMPLES
CONVENTION CENTER INVESTIGATION**

Table O.2-35

Location ID	B-702		B-702		B-801		B-801		B-801	
Sample ID	B-702-10-12		B-702-14-15		B-801-10-12		B-801-13-15		B-801-3-4	
Depth	10-12		14-15		10-12		13-15		3-4	
Dilution Factor	1.0		1.0		1.0		1.0		1.0	
Sample Date	8/11/2004		8/11/2004		8/10/2004		8/12/2004		8/10/2004	
Unit	ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg	
AROCLOR-1016 (PCB-1016)	6.1	U	7.4	U	170	P	5.7	U	250	
AROCLOR-1221 (PCB-1221)	4.2	U	5.1	U	4.5	U	3.9	U	4.2	U
AROCLOR-1232 (PCB-1232)	2.8	U	3.4	U	3.1	U	2.6	U	2.8	U
AROCLOR-1242 (PCB-1242)	3.6	U	4.4	U	3.9	U	3.4	U	3.6	U
AROCLOR-1248 (PCB-1248)	4.3	U	5.2	U	4.7	U	4	U	4.3	U
AROCLOR-1254 (PCB-1254)	1.6	U	1.9	U	1.7	U	1.5	U	1.6	U
AROCLOR-1260 (PCB-1260)	3.5	U	4.2	U	3.8	U	3.2	U	3.5	U
TOTAL PCBs (AROCLORs)										

**SUMMARY OF PCBs IN SOIL SAMPLES
CONVENTION CENTER INVESTIGATION**

Table O.2-35

Location ID	B-905	B-905	B-905	B-906	B-906
Sample ID	B-905-2-4	B-905-7-9	DUP-8-12-04	B-906-3.5-5	B-906-7-8
Depth	2-4	7-9	7-9	3.5-5	7-8
Dilution Factor	1.0	1.0	1.0	1.0	1.0
Sample Date	8/12/2004	8/12/2004	8/12/2004	8/9/2004	8/9/2004
Unit	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg
AROCLOR-1016 (PCB-1016)	7.1 U	11 U	6.1 U	7.1 U	12 U
AROCLOR-1221 (PCB-1221)	4.8 U	7.7 U	4.2 U	4.9 U	8.1 U
AROCLOR-1232 (PCB-1232)	3.3 U	5.2 U	2.8 U	3.3 U	5.5 U
AROCLOR-1242 (PCB-1242)	4.2 U	6.7 U	3.6 U	4.2 U	7.1 U
AROCLOR-1248 (PCB-1248)	5 U	7.9 U	4.3 U	5 U	8.4 U
AROCLOR-1254 (PCB-1254)	1.8 U	2.9 U	1.6 U	1.8 U	3.1 U
AROCLOR-1260 (PCB-1260)	4 U	6.4 U	3.4 U	4 U	6.8 U
TOTAL PCBs (AROCLORs)					

**SUMMARY OF PCBs IN SOIL SAMPLES
CONVENTION CENTER INVESTIGATION**

Table O.2-35

Location ID	B-604	B-604	B-605	B-605	B-606
Sample ID	B-604-10-12	B-604-6-8	B-605-0-2	B-605-11-13.5	B-606-0-2
Depth	10-12	6-8	0-2	11-13.5	0-2
Dilution Factor	1.0	1.0	1.0	1.0	1.0
Sample Date	8/11/2004	8/11/2004	8/5/2004	8/5/2004	8/5/2004
Unit	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg
AROCLOR-1016 (PCB-1016)	5.5 U	5.8 U	5.5 U	5.5 U	5.5 U
AROCLOR-1221 (PCB-1221)	3.8 U	3.9 U	3.7 U	3.8 U	3.7 U
AROCLOR-1232 (PCB-1232)	2.6 U	2.7 U	2.5 U	2.6 U	2.5 U
AROCLOR-1242 (PCB-1242)	3.3 U	3.4 U	3.3 U	3.3 U	3.3 U
AROCLOR-1248 (PCB-1248)	3.9 U	4 U	3.8 U	3.9 U	3.9 U
AROCLOR-1254 (PCB-1254)	1.4 U	1.5 U	1.4 U	1.4 U	1.4 U
AROCLOR-1260 (PCB-1260)	3.1 U	3.3 U	3.1 U	3.1 U	3.1 U
TOTAL PCBs (AROCLORs)					

**SUMMARY OF PCBs IN SOIL SAMPLES
CONVENTION CENTER INVESTIGATION**

Table O.2-35

Location ID	B-802	B-901	B-901	B-902	B-903
Sample ID	B-802-3-4	B-901-3-5	B-901-6-8	B-902-1.5-4.5	B-903-15-17
Depth	3-4	3-5	6-8	1.5-4.5	15-17
Dilution Factor	1.0	1.0	1.0	1.0	1.0
Sample Date	8/12/2004	8/9/2004	8/9/2004	8/13/2004	8/12/2004
Unit	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg
AROCLOR-1016 (PCB-1016)	5.8 U	6.2 U	5.9 U	7.4 U	6.6 U
AROCLOR-1221 (PCB-1221)	3.9 U	4.2 U	4 U	5.1 U	4.5 U
AROCLOR-1232 (PCB-1232)	2.7 U	2.8 U	2.7 U	3.4 U	3.1 U
AROCLOR-1242 (PCB-1242)	3.4 U	3.6 U	3.5 U	4.4 U	3.9 U
AROCLOR-1248 (PCB-1248)	4 U	4.3 U	4.1 U	5.2 U	4.7 U
AROCLOR-1254 (PCB-1254)	1.5 U	1.6 U	1.5 U	1.9 U	1.7 U
AROCLOR-1260 (PCB-1260)	3.3 U	61	3.3 U	4.2 U	3.8 U
TOTAL PCBs (AROCLORs)					

**SUMMARY OF PCBs IN SOIL SAMPLES
CONVENTION CENTER INVESTIGATION**

Table O.2-35

Location ID	B-907	B-907	B-907	B-1101	B-1101
Sample ID	B-907-3-5	B-907-9-10	DUP	B-1101-13-15	B-1101-3-5
Depth	3-5	9-10	9-10	13-15	3-5
Dilution Factor	1.0	1.0	1.0	1.0	1.0
Sample Date	8/6/2004	8/6/2004	8/6/2004	8/5/2004	8/5/2004
Unit	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg
AROCLOR-1016 (PCB-1016)	5.9 U	6.5 U	5.8 U	7.2 U	5.7 U
AROCLOR-1221 (PCB-1221)	4 U	4.4 U	4 U	4.9 U	3.9 U
AROCLOR-1232 (PCB-1232)	2.7 U	3 U	2.7 U	3.3 U	2.6 U
AROCLOR-1242 (PCB-1242)	3.5 U	3.8 U	3.5 U	4.2 U	3.4 U
AROCLOR-1248 (PCB-1248)	4.1 U	4.5 U	4.1 U	5 U	4 U
AROCLOR-1254 (PCB-1254)	1.5 U	1.7 U	1.5 U	1.9 U	1.5 U
AROCLOR-1260 (PCB-1260)	3.3 U	3.7 U	3.3 U	4.1 U	3.2 U
TOTAL PCBs (AROCLORs)					

**SUMMARY OF PCBs IN SOIL SAMPLES
CONVENTION CENTER INVESTIGATION**

Table O.2-35

Location ID	B-606	B-606	B-607	B-701	B-701
Sample ID	B-606-11-13.5	DUP	B-607-3-4	B-701-2-5	B-701-6-9
Depth	11-13.5	11-13.5	3-4	2-5	6-9
Dilution Factor	1.0	1.0	1.0	1.0	1.0
Sample Date	8/5/2004	8/5/2004	8/10/2004	8/12/2004	8/13/2004
Unit	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg
AROCLOR-1016 (PCB-1016)	5.7 U	5.7 U	5.7 U	6.9 U	7 U
AROCLOR-1221 (PCB-1221)	3.9 U	3.9 U	3.9 U	4.7 U	4.8 U
AROCLOR-1232 (PCB-1232)	2.6 U	2.6 U	2.6 U	3.2 U	3.2 U
AROCLOR-1242 (PCB-1242)	3.4 U	3.4 U	3.4 U	4.1 U	4.1 U
AROCLOR-1248 (PCB-1248)	4 U	4 U	4 U	4.9 U	4.9 U
AROCLOR-1254 (PCB-1254)	1.5 U	1.5 U	1.5 U	1.8 U	1.8 U
AROCLOR-1260 (PCB-1260)	3.2 U	3.2 U	74 P	3.9 U	3.9 U
TOTAL PCBs (AROCLORs)					

**SUMMARY OF PCBs IN SOIL SAMPLES
CONVENTION CENTER INVESTIGATION**

Table O.2-35

Location ID	B-903	B-904	B-904	B-904	B-904
Sample ID	B-903-3-4	B-904-18-20	B-904-3-5	DUP	B-904-6.5-8.5
Depth	3-4	18-20	3-5	3-5	6.5-8.5
Dilution Factor	1.0	1.0	1.0	1.0	1.0
Sample Date	8/12/2004	8/9/2004	8/9/2004	8/9/2004	8/9/2004
Unit	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg
AROCLOR-1016 (PCB-1016)	5.5 U	9 U	6.9 U	7.5 U	7.3 U
AROCLOR-1221 (PCB-1221)	3.7 U	6.1 U	4.7 U	5.1 U	5 U
AROCLOR-1232 (PCB-1232)	2.5 U	4.1 U	3.2 U	3.5 U	3.4 U
AROCLOR-1242 (PCB-1242)	3.2 U	5.3 U	4.1 U	4.4 U	4.4 U
AROCLOR-1248 (PCB-1248)	3.8 U	6.3 U	4.9 U	5.3 U	5.2 U
AROCLOR-1254 (PCB-1254)	1.4 U	2.3 U	1.8 U	1.9 U	1.9 U
AROCLOR-1260 (PCB-1260)	3.1 U	5.1 U	3.9 U	4.2 U	4.2 U
TOTAL PCBs (AROCLORs)					

**SUMMARY OF PCBs IN SOIL SAMPLES
CONVENTION CENTER INVESTIGATION**

Table O.2-35

Location ID	B-1101	B-1102	B-1102	B-1103	B-1103
Sample ID	B-1101-7-9	B-1102-1-3	B-1102-7.5-9.5	B-1103-3-5	B-1103-8-10
Depth	7-9	1-3	7.5-9.5	3-5	8-10
Dilution Factor	1.0	1.0	1.0	1.0	1.0
Sample Date	8/5/2004	8/9/2004	8/9/2004	8/5/2004	8/5/2004
Unit	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg
AROCLOR-1016 (PCB-1016)	6.1 U	5.6 U	5.8 U	5.8 U	5.8 U
AROCLOR-1221 (PCB-1221)	4.1 U	3.8 U	4 U	4 U	3.9 U
AROCLOR-1232 (PCB-1232)	2.8 U	2.6 U	2.7 U	2.7 U	2.7 U
AROCLOR-1242 (PCB-1242)	3.6 U	3.3 U	3.5 U	3.4 U	3.4 U
AROCLOR-1248 (PCB-1248)	4.3 U	4 U	4.1 U	4.1 U	4.1 U
AROCLOR-1254 (PCB-1254)	1.6 U	1.5 U	1.5 U	1.5 U	1.5 U
AROCLOR-1260 (PCB-1260)	3.4 U	55 P	9.4 J	3.3 U	3.3 U
TOTAL PCBs (AROCLORs)					

**SUMMARY OF PCBs IN SOIL SAMPLES
CONVENTION CENTER INVESTIGATION**

Table O.2-35

Location ID	B-1104	B-1104	B-1201	B-1201	B-1202
Sample ID	B-1104-3-5	B-1104-8-10	B-1201-2-4	B-1201-6-8	B-1202-1.5-4
Depth	3-5	8-10	2-4	6-8	1.5-4
Dilution Facotr	1.0	1.0	1.0	1.0	1.0
Sample Date	8/6/2004	8/6/2004	8/11/2004	8/10/2004	8/10/2004
Unit	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg
AROCLOR-1016 (PCB-1016)	5.9 U	6.1 U	6.8 U	6.9 U	5.9 U
AROCLOR-1221 (PCB-1221)	4 U	4.2 U	4.6 U	4.7 U	4 U
AROCLOR-1232 (PCB-1232)	2.7 U	2.8 U	3.1 U	3.2 U	2.7 U
AROCLOR-1242 (PCB-1242)	3.5 U	3.6 U	4 U	4.1 U	3.5 U
AROCLOR-1248 (PCB-1248)	4.1 U	4.3 U	4.8 U	4.8 U	930 EP
AROCLOR-1254 (PCB-1254)	1.5 U	1.6 U	1.8 U	1.8 U	1.5 U
AROCLOR-1260 (PCB-1260)	3.3 U	3.4 U	16 JP	3.9 U	3.3 U
TOTAL PCBs (AROCLORs)					

**SUMMARY OF PCBs IN SOIL SAMPLES
CONVENTION CENTER INVESTIGATION**

Table O.2-35

Location ID	B-1202	B-1202	B-1202
Sample ID	B-1202-1.5-4DL	B-1202-5.5-8	B-1202-10-12
Depth	1.5-4	5.5-8	10-12
Dilution Facotr	50.0	1.0	1.0
Sample Date	8/10/2004	8/10/2004	8/11/2004
Unit	ug/Kg	ug/Kg	ug/Kg
AROCLOR-1016 (PCB-1016)	290 UD	8.8 U	6.5 U
AROCLOR-1221 (PCB-1221)	200 UD	6 U	4.4 U
AROCLOR-1232 (PCB-1232)	140 UD	4 U	3 U
AROCLOR-1242 (PCB-1242)	170 UD	5.2 U	3.8 U
AROCLOR-1248 (PCB-1248)	1800 DP	6.1 U	4.5 U
AROCLOR-1254 (PCB-1254)	76 UD	2.3 U	1.7 U
AROCLOR-1260 (PCB-1260)	170 UD	4.9 U	3.7 U
TOTAL PCBs (AROCLORs)			

**Summary of Total VOCs in Groundwater
Convention Center Investigation**

Table O.2-36

Location ID	B-603	B-604	B-702	B-702	B-801	B-802	B-901
Sample ID	MW-1	MW-4	DUP-82704	MW-3	MW-5	MW-8-8-31-04	MW-9
Sample Date	8/27/2004	8/27/2004	8/27/2004	8/27/2004	8/30/2004	8/31/2004	8/26/2004
Dilution Factor	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Unit	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1,1,1-TRICHLOROETHANE	0.41 U	0.41 U	0.41 U	0.41 U	0.41 U	0.41 U	0.41 U
1,1,2,2-TETRACHLOROETHANE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2-TRICHLOROETHANE	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U
1,1-DICHLOROETHANE	0.22 U	0.22 U	0.22 U	0.22 U	0.22 U	0.22 U	0.22 U
1,1-DICHLOROETHYLENE	0.32 U	0.32 U	0.32 U	0.32 U	0.32 U	0.32 U	0.32 U
1,2-DICHLOROETHANE	0.32 U	0.32 U	0.32 U	0.32 U	0.32 U	0.32 U	0.32 U
1,2-DICHLOROPROPANE	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U
METHYL ETHYL KETONE	2.8 U	2.8 U	2.8 U	2.8 U	2.8 U	2.8 U	2.8 U
4-METHYL-2-PENTANONE	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U
ACETONE	32	3.3 U	3.3 U	3.3 U	3.3 U	3.3 U	3.3 U
BENZENE	2 J	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U
BROMODICHLOROMETHANE	0.35 U	0.35 U	0.35 U	0.35 U	0.35 U	0.35 U	0.35 U
BROMOMETHANE	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U
CARBON DISULFIDE	0.39 U	0.39 U	0.39 U	0.39 U	0.39 U	0.39 U	0.39 U
CARBON TETRACHLORIDE	0.47 U	0.47 U	0.47 U	0.47 U	0.47 U	0.47 U	0.47 U
CHLOROBENZENE	0.37 U	0.37 U	0.37 U	0.37 U	0.37 U	0.37 U	0.37 U
CHLORODIBROMOMETHANE	0.38 U	0.38 U	0.38 U	0.38 U	0.38 U	0.38 U	0.38 U
CHLOROETHANE	0.88 U	0.88 U	0.88 U	0.88 U	0.88 U	0.88 U	0.88 U
CHLOROFORM	0.58 U	0.58 U	0.58 U	0.58 U	0.58 U	0.58 U	0.58 U
CHLOROMETHANE	0.68 U	0.68 U	0.68 U	0.68 U	0.68 U	0.68 U	0.68 U
CIS-1,2-DICHLOROETHENE	0.77 U	0.77 U	0.77 U	0.77 U	0.77 U	0.77 U	0.77 U
CIS-1,3-DICHLOROPROPENE	0.15 U	0.15 U	0.15 U	0.15 U	0.15 U	0.15 U	0.15 U
METHYLENE CHLORIDE	0.62 U	0.62 U	0.62 U	0.62 U	0.62 U	0.62 U	0.62 U
ETHYLBENZENE	0.41 U	0.41 U	0.41 U	0.41 U	0.41 U	0.41 U	0.41 U
M/P-XYLENE	0.96 U	0.96 U	0.96 U	0.96 U	0.96 U	0.96 U	0.96 U
O-XYLENE	0.37 U	0.37 U	0.37 U	0.37 U	0.37 U	0.37 U	1.3 J
TOTAL XYLENES	-	-	-	-	-	-	1.3 J
2-HEXANONE	0.66 U	0.66 U	0.66 U	0.66 U	0.66 U	0.66 U	0.66 U
TOLUENE	0.39 U	0.39 U	0.39 U	0.39 U	0.39 U	0.39 U	0.39 U
STYRENE (MONOMER)	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U
TETRACHLOROETHENE	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U
TRANS-1,2-DICHLOROETHENE	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U
TRANS-1,3-DICHLOROPROPENE	0.42 U	0.42 U	0.42 U	0.42 U	0.42 U	0.42 U	0.42 U
BROMOFORM	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U
TRICHLOROETHYLENE	0.67 U	0.67 U	0.67 U	0.67 U	0.67 U	0.67 U	0.67 U
VINYL CHLORIDE	0.27 U	0.27 U	0.27 U	0.27 U	0.27 U	0.27 U	0.27 U

Notes:

ug/L: Micrograms per liters

MDL: Method detection limit

U: Indicates the compound was analyzed for but was not detected.

J: Indicates an estimated value.

**: Applies to the sum of both cis-and trans 1,3-dichloropene

**Summary of Total VOCs in Groundwater
Convention Center Investigation**

Table O.2-36

Location ID	B-903	B-905	B-907	B-1102	B-1104	B-1201	B-1202
Sample ID	MW-10	MW-11	MW-16	MW-14	MW-15	MW-12	MW-13
Sample Date	8/30/2004	8/31/2004	8/31/2004	8/26/2004	8/27/2004	8/31/2004	8/31/2004
Dilution Factor	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Unit	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1,1,1-TRICHLOROETHANE	0.41 U	0.41 U	0.41 U	0.41 U	0.41 U	0.41 U	0.41 U
1,1,2,2-TETRACHLOROETHANE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2-TRICHLOROETHANE	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U
1,1-DICHLOROETHANE	0.22 U	0.22 U	0.22 U	0.22 U	0.22 U	0.22 U	0.22 U
1,1-DICHLOROETHYLENE	0.32 U	0.32 U	0.32 U	0.32 U	0.32 U	0.32 U	0.32 U
1,2-DICHLOROETHANE	0.32 U	0.32 U	0.32 U	0.32 U	0.32 U	0.32 U	0.32 U
1,2-DICHLOROPROPANE	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U	0.63 U
METHYL ETHYL KETONE	2.8 U	2.8 U	2.8 U	2.8 U	2.8 U	2.8 U	2.8 U
4-METHYL-2-PENTANONE	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U
ACETONE	3.3 U	3.3 U	3.3 U	3.3 U	3.3 U	3.3 U	3.3 U
BENZENE	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U
BROMODICHLOROMETHANE	0.35 U	0.35 U	0.35 U	0.35 U	0.35 U	0.35 U	0.35 U
BROMOMETHANE	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U
CARBON DISULFIDE	0.39 U	0.39 U	0.39 U	0.39 U	0.39 U	0.39 U	0.39 U
CARBON TETRACHLORIDE	0.47 U	0.47 U	0.47 U	0.47 U	0.47 U	0.47 U	0.47 U
CHLOROBENZENE	0.37 U	0.37 U	0.37 U	0.37 U	0.37 U	0.37 U	0.37 U
CHLORODIBROMOMETHANE	0.38 U	0.38 U	0.38 U	0.38 U	0.38 U	0.38 U	0.38 U
CHLOROETHANE	0.88 U	0.88 U	0.88 U	0.88 U	0.88 U	0.88 U	0.88 U
CHLOROFORM	0.58 U	0.58 U	0.58 U	0.58 U	0.58 U	0.58 U	0.58 U
CHLOROMETHANE	0.68 U	0.68 U	0.68 U	0.68 U	0.68 U	0.68 U	0.68 U
CIS-1,2-DICHLOROETHENE	0.77 U	0.77 U	0.77 U	0.77 U	0.77 U	0.77 U	0.77 U
CIS-1,3-DICHLOROPROPENE	0.15 U	0.15 U	0.15 U	0.15 U	0.15 U	0.15 U	0.15 U
METHYLENE CHLORIDE	0.62 U	0.62 U	0.62 U	0.62 U	0.62 U	0.62 U	0.62 U
ETHYLBENZENE	0.41 U	0.41 U	0.41 U	0.41 U	0.41 U	0.41 U	0.41 U
M/P-XYLENE	0.96 U	0.96 U	0.96 U	0.96 U	0.96 U	0.96 U	0.96 U
O-XYLENE	0.37 U	0.37 U	0.37 U	0.37 U	0.37 U	0.37 U	0.37 U
TOTAL XYLENES	-	-	-	-	-	-	-
2-HEXANONE	0.66 U	0.66 U	0.66 U	0.66 U	0.66 U	0.66 U	0.66 U
TOLUENE	0.39 U	0.39 U	0.39 U	0.39 U	0.39 U	0.39 U	0.39 U
STYRENE (MONOMER)	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U
TETRACHLOROETHENE	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U
TRANS-1,2-DICHLOROETHENE	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U
TRANS-1,3-DICHLOROPROPENE	0.42 U	0.42 U	0.42 U	0.42 U	0.42 U	0.42 U	0.42 U
BROMOFORM	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U
TRICHLOROETHYLENE	0.67 U	0.67 U	0.67 U	0.67 U	0.67 U	0.67 U	0.67 U
VINYL CHLORIDE	0.27 U	0.27 U	0.27 U	0.27 U	0.27 U	0.27 U	0.27 U

Notes:

ug/L: Micrograms per liters

MDL: Method detection limit

U: Indicates the compound was analyzed for but was not detected.

J: Indicates an estimated value.

** : Applies to the sum of both cis-and trans 1,3-dichloropene

**Summary of Total SVOCs in Groundwater
Convention Center Investigation**

Table O.2-37

Location ID	B-607	B-603	B-604	B-702
Sample ID	B-607	MW-1	MW-4	MW-3
Dilution Factor	1.0	1.0	1.0	1.0
Sample Date	8/10/2004	8/27/2004	8/27/2004	8/27/2004
Unit	ug/L	ug/L	ug/L	ug/L
1,2,4-TRICHLOROBENZENE	0.41 U	0.41 U	0.41 U	0.42 U
CHRYSENE	3.4 J	0.39 U	0.38 U	0.39 U
1,2-DICHLOROBENZENE	0.59 U	0.59 U	0.59 U	0.6 U
1,4-DICHLOROBENZENE	0.68 U	0.68 U	0.67 U	0.69 U
2,2'-OXYBIS(1-CHLOROPROPANE)	0.84 U	0.84 U	0.83 U	0.85 U
2,4,5-TRICHLOROPHENOL	0.59 U	0.59 U	0.58 U	0.59 U
2,4,6-TRICHLOROPHENOL	0.29 U	0.29 U	0.28 U	0.29 U
2,4-DICHLOROPHENOL	0.29 U	0.29 U	0.29 U	0.29 U
2,4-DIMETHYLPHENOL	0.47 U	0.47 U	0.46 U	0.47 U
2,4-DINITROPHENOL	0.19 U	0.19 U	0.19 U	0.19 U
2,4-DINITROTOLUENE	0.34 U	0.34 U	0.34 U	0.34 U
2,6-DINITROTOLUENE	0.42 U	0.42 U	0.41 U	0.42 U
2-CHLORONAPHTHALENE	0.39 U	0.39 U	0.39 U	0.39 U
2-CHLOROPHENOL	0.73 U	0.73 U	0.73 U	0.74 U
2-METHYLNAPHTHALENE	0.5 U	2.6 J	0.5 U	0.51 U
2-METHYLPHENOL	1.1 U	1.1 U	1.1 U	1.2 U
2-NITROANILINE	0.3 U	0.3 U	0.3 U	0.3 U
2-NITROPHENOL	0.27 U	0.27 U	0.27 U	0.27 U
3,3'-DICHLOROBENZIDINE	1.6 U	1.6 U	1.6 U	1.6 U
ISOPHRONE	0.48 U	0.48 U	0.48 U	0.49 U
3-NITROANILINE	1.1 U	1.1 U	1 U	1.1 U
4,6-DINITRO-2-METHYLPHENOL	1.5 U	1.5 U	1.4 U	1.5 U
4-BROMOPHENYL PHENYL ETHER	0.17 U	0.17 U	0.17 U	0.17 U
4-CHLORO-3-METHYLPHENOL	0.3 U	0.3 U	0.3 U	0.31 U
4-CHLOROPHENYL PHENYL ETHER	0.37 U	0.37 U	0.36 U	0.37 U
4-METHYLPHENOL	1.1 U	1.1 U	1.1 U	1.1 U
4-NITROPHENOL	0.95 U	0.95 U	0.94 U	0.96 U
ACENAPHTHYLENE	0.44 U	0.44 U	0.43 U	0.44 U
ACENAPHTHENE	0.24 U	5.7 J	0.24 U	0.24 U
ANTHRACENE	0.16 U	0.16 U	0.16 U	0.16 U
BENZO(A)ANTHRACENE	3.2 J	0.23 U	0.22 U	0.23 U
BENZO(A)PYRENE	3 J	0.45 U	0.45 U	0.46 U
BENZO(B)FLUORANTHENE	4.5 J	0.23 U	0.23 U	0.24 U
BENZO(G,H,I)PERYLENE	2 J	0.43 U	0.42 U	0.43 U

Notes:

ug/L: Micrograms per liters

U: Indicates the compound was analyzed for but was not detected.

J: Indicates an estimated value.

B: Indicates the analyte was found in the blank.

**Summary of Total SVOCs in Groundwater
Convention Center Investigation**

Table O.2-37

Location ID	B-607	B-603	B-604	B-702
Sample ID	B-607	MW-1	MW-4	MW-3
Dilution Factor	1.0	1.0	1.0	1.0
Sample Date	8/10/2004	8/27/2004	8/27/2004	8/27/2004
Unit	ug/L	ug/L	ug/L	ug/L
BENZO(K)FLUORANTHENE	1.2 J	0.39 U	0.38 U	0.39 U
BENZYL BUTYL PHTHALATE	0.3 U	0.3 U	0.3 U	0.3 U
BIS(2-CHLOROETHOXY)METHANE	0.45 U	0.45 U	0.44 U	0.45 U
BIS(2-CHLOROETHYL-ETHER	0.33 U	0.33 U	0.33 U	0.33 U
BIS(2-ETHYLHEXYL)PHTHALATE	7.7 JB	2.7 JB	2.7 JB	1.8 JB
CARBAZOLE	0.31 U	1.2 J	0.31 U	0.31 U
DIBENZ(A,H)ANTHRACENE	0.29 U	0.29 U	0.29 U	0.3 U
DIBENZOFURAN	0.32 U	1.1 J	0.31 U	0.32 U
DIETHYL PHTHALATE	0.34 U	0.34 U	0.34 U	0.35 U
DIMETHYL PHTHALATE	0.26 U	0.26 U	0.26 U	0.26 U
DI-N-BUTYLPHTHALATE	1.3 J	0.099 U	0.098 U	0.1 U
DI-N-OCTYL PHTHALATE	0.17 U	0.17 U	0.17 U	0.18 U
FLUORANTHENE	5.4 J	2.8 J	0.21 U	0.21 U
FLUORENE	0.17 U	2.5 J	0.17 U	0.18 U
HEXACHLORO-1,3-BUTADIENE	0.38 U	0.38 U	0.38 U	0.38 U
HEXACHLOROBENZENE	0.23 U	0.23 U	0.23 U	0.24 U
HEXACHLOROCYCLOPENTADIENE	0.46 U	0.46 U	0.45 U	0.46 U
HEXACHLOROETHANE	0.92 U	0.92 U	0.91 U	0.93 U
INDENO(1,2,3-CD)PYRENE	1.6 J	0.29 U	0.29 U	0.3 U
1,3-DICHLOROBENZENE	1 U	1 U	1 U	1 U
NAPHTHALENE	0.27 U	0.27 U	0.27 U	0.27 U
NITROBENZENE	0.38 U	0.38 U	0.38 U	0.38 U
N-NITROSODI-N-PROPYLAMINE	0.77 U	0.77 U	0.77 U	0.78 U
N-NITROSODIPHENYLAMINE	0.28 U	0.28 U	0.28 U	0.29 U
P-CHLOROANILINE	4.1 U	4.1 U	4.1 U	4.2 U
PENTACHLOROPHENOL	0.39 U	0.39 U	0.39 U	0.4 U
PHENANTHRENE	3.1 J	6.6 J	0.27 U	0.28 U
PHENOL	0.43 U	0.43 U	0.43 U	0.44 U
P-NITROANILINE	0.84 U	0.84 U	0.83 U	0.85 U
PYRENE	6.8 J	2.9 J	0.25 U	0.25 U

Notes:

ug/L: Micrograms per liters

U: Indicates the compound was analyzed for but was not detected.

J: Indicates an estimated value.

B: Indicates the analyte was found in the blank.

**Summary of Total SVOCs in Groundwater
Convention Center Investigation**

Table O.2-37

Location ID	B-702	B-801	B-901	B-903
Sample ID	DUP-82704	MW-5	MW-9	MW-10
Dilution Factor	1.0	1.0	1.0	1.0
Sample Date	8/27/2004	8/30/2004	8/26/2004	8/30/2004
Unit	ug/L	ug/L	ug/L	ug/L
1,2,4-TRICHLOROBENZENE	0.41 U	0.41 U	0.41 U	0.41 U
CHRYSENE	0.39 U	0.39 U	0.39 U	0.38 U
1,2-DICHLOROBENZENE	0.59 U	0.59 U	0.59 U	0.59 U
1,4-DICHLOROBENZENE	0.68 U	0.68 U	0.68 U	0.67 U
2,2'-OXYBIS(1-CHLOROPROPANE)	0.84 U	0.84 U	0.84 U	0.83 U
2,4,5-TRICHLOROPHENOL	0.59 U	0.59 U	0.59 U	0.58 U
2,4,6-TRICHLOROPHENOL	0.29 U	0.29 U	0.29 U	0.28 U
2,4-DICHLOROPHENOL	0.29 U	0.29 U	0.29 U	0.29 U
2,4-DIMETHYLPHENOL	0.47 U	0.47 U	0.47 U	0.46 U
2,4-DINITROPHENOL	0.19 U	0.19 U	0.19 U	0.19 U
2,4-DINITROTOLUENE	0.34 U	0.34 U	0.34 U	0.34 U
2,6-DINITROTOLUENE	0.42 U	0.42 U	0.42 U	0.41 U
2-CHLORONAPHTHALENE	0.39 U	0.39 U	0.39 U	0.39 U
2-CHLOROPHENOL	0.73 U	0.73 U	0.73 U	0.73 U
2-METHYLNAPHTHALENE	0.5 U	0.5 U	0.5 U	0.5 U
2-METHYLPHENOL	1.1 U	1.1 U	1.1 U	1.1 U
2-NITROANILINE	0.3 U	0.3 U	0.3 U	0.3 U
2-NITROPHENOL	0.27 U	0.27 U	0.27 U	0.27 U
3,3'-DICHLOROBENZIDINE	1.6 U	1.6 U	1.6 U	1.6 U
ISOPHRONE	0.48 U	0.48 U	0.48 U	0.48 U
3-NITROANILINE	1.1 U	1.1 U	1.1 U	1 U
4,6-DINITRO-2-METHYLPHENOL	1.5 U	1.5 U	1.5 U	1.4 U
4-BROMOPHENYL PHENYL ETHER	0.17 U	0.17 U	0.17 U	0.17 U
4-CHLORO-3-METHYLPHENOL	0.3 U	0.3 U	0.3 U	0.3 U
4-CHLOROPHENYL PHENYL ETHER	0.37 U	0.37 U	0.37 U	0.36 U
4-METHYLPHENOL	1.1 U	1.1 U	1.1 U	1.1 U
4-NITROPHENOL	0.95 U	0.95 U	0.95 U	0.94 U
ACENAPHTHYLENE	0.44 U	0.44 U	0.44 U	0.43 U
ACENAPTHENE	0.24 U	0.24 U	0.24 U	0.24 U
ANTHRACENE	0.16 U	0.16 U	0.16 U	0.16 U
BENZO(A)ANTHRACENE	0.23 U	0.23 U	0.23 U	0.22 U
BENZO(A)PYRENE	0.45 U	0.45 U	0.45 U	0.45 U
BENZO(B)FLUORANTHENE	0.23 U	0.23 U	0.23 U	0.23 U
BENZO(G,H,I)PERYLENE	0.43 U	0.43 U	0.43 U	0.42 U

Notes:

ug/L: Micrograms per liters

U: Indicates the compound was analyzed for but was not detected.

J: Indicates an estimated value.

B: Indicates the analyte was found in the blank.

**Summary of Total SVOCs in Groundwater
Convention Center Investigation**

Table O.2-37

Location ID	B-702	B-801	B-901	B-903
Sample ID	DUP-82704	MW-5	MW-9	MW-10
Dilution Factor	1.0	1.0	1.0	1.0
Sample Date	8/27/2004	8/30/2004	8/26/2004	8/30/2004
Unit	ug/L	ug/L	ug/L	ug/L
BENZO(K)FLUORANTHENE	0.39 U	0.39 U	0.39 U	0.38 U
BENZYL BUTYL PHTHALATE	0.3 U	0.3 U	0.3 U	0.3 U
BIS(2-CHLOROETHOXY)METHANE	0.45 U	0.45 U	0.45 U	0.44 U
BIS(2-CHLOROETHYL-ETHER	0.33 U	0.33 U	0.33 U	0.33 U
BIS(2-ETHYLHEXYL)PHTHALATE	2.3 JB	0.35 U	5.5 J	0.34 U
CARBAZOLE	0.31 U	0.31 U	0.31 U	0.31 U
DIBENZ(A,H)ANTHRACENE	0.29 U	0.29 U	0.29 U	0.29 U
DIBENZOFURAN	0.32 U	0.32 U	0.32 U	0.31 U
DIETHYL PHTHALATE	0.34 U	0.34 U	0.34 U	0.34 U
DIMETHYL PHTHALATE	0.26 U	0.26 U	0.26 U	0.26 U
DI-N-BUTYLPHTHALATE	0.099 U	0.099 U	0.099 U	0.098 U
DI-N-OCTYL PHTHALATE	0.17 U	0.17 U	0.17 U	0.17 U
FLUORANTHENE	0.21 U	0.21 U	0.21 U	0.21 U
FLUORENE	0.17 U	0.17 U	0.17 U	0.17 U
HEXACHLORO-1,3-BUTADIENE	0.38 U	0.38 U	0.38 U	0.38 U
HEXACHLOROBENZENE	0.23 U	0.23 U	0.23 U	0.23 U
HEXACHLOROCYCLOPENTADIENE	0.46 U	0.46 U	0.46 U	0.45 U
HEXACHLOROETHANE	0.92 U	0.92 U	0.92 U	0.91 U
INDENO(1,2,3-CD)PYRENE	0.29 U	0.29 U	0.29 U	0.29 U
1,3-DICHLOROBENZENE	1 U	1 U	1 U	1 U
NAPHTHALENE	0.27 U	0.27 U	0.27 U	0.27 U
NITROBENZENE	0.38 U	0.38 U	0.38 U	0.38 U
N-NITROSODI-N-PROPYLAMINE	0.77 U	0.77 U	0.77 U	0.77 U
N-NITROSODIPHENYLAMINE	0.28 U	0.28 U	0.28 U	0.28 U
P-CHLOROANILINE	4.1 U	4.1 U	4.1 U	4.1 U
PENTACHLOROPHENOL	0.39 U	0.39 U	0.39 U	0.39 U
PHENANTHRENE	0.28 U	0.28 U	0.28 U	0.27 U
PHENOL	0.43 U	0.43 U	0.43 U	0.43 U
P-NITROANILINE	0.84 U	0.84 U	0.84 U	0.83 U
PYRENE	0.25 U	0.25 U	0.25 U	0.25 U

Notes:

ug/L: Micrograms per liters

U: Indicates the compound was analyzed for but was not detected.

J: Indicates an estimated value.

B: Indicates the analyte was found in the blank.

**Summary of Total SVOCs in Groundwater
Convention Center Investigation**

Table O.2-37

Location ID	B-905	B-907	B-1102	B-1104
Sample ID	MW-11	MW-16	MW-14	MW-15
Dilution Factor	1.0	1.0	1.0	1.0
Sample Date	8/31/2004	8/31/2004	8/26/2004	8/27/2004
Unit	ug/L	ug/L	ug/L	ug/L
1,2,4-TRICHLOROBENZENE	0.41 U	0.41 U	0.41 U	0.42 U
CHRYSENE	0.38 U	0.39 U	0.38 U	0.4 U
1,2-DICHLOROBENZENE	0.59 U	0.59 U	0.59 U	0.61 U
1,4-DICHLOROBENZENE	0.67 U	0.68 U	0.67 U	0.69 U
2,2'-OXYBIS(1-CHLOROPROPANE)	0.83 U	0.84 U	0.83 U	0.86 U
2,4,5-TRICHLOROPHENOL	0.58 U	0.59 U	0.58 U	0.6 U
2,4,6-TRICHLOROPHENOL	0.28 U	0.29 U	0.28 U	0.29 U
2,4-DICHLOROPHENOL	0.29 U	0.29 U	0.29 U	0.3 U
2,4-DIMETHYLPHENOL	0.46 U	0.47 U	0.46 U	0.48 U
2,4-DINITROPHENOL	0.19 U	0.19 U	0.19 U	0.19 U
2,4-DINITROTOLUENE	0.34 U	0.34 U	0.34 U	0.35 U
2,6-DINITROTOLUENE	0.41 U	0.42 U	0.41 U	0.43 U
2-CHLORONAPHTHALENE	0.39 U	0.39 U	0.39 U	0.4 U
2-CHLOROPHENOL	0.73 U	0.73 U	0.73 U	0.75 U
2-METHYLNAPHTHALENE	0.5 U	0.5 U	0.5 U	0.52 U
2-METHYLPHENOL	1.1 U	1.1 U	1.1 U	1.2 U
2-NITROANILINE	0.3 U	0.3 U	0.3 U	0.31 U
2-NITROPHENOL	0.27 U	0.27 U	0.27 U	0.28 U
3,3'-DICHLOROBENZIDINE	1.6 U	1.6 U	1.6 U	1.6 U
ISOPHRONE	0.48 U	0.48 U	0.48 U	0.49 U
3-NITROANILINE	1 U	1.1 U	1 U	1.1 U
4,6-DINITRO-2-METHYLPHENOL	1.4 U	1.5 U	1.4 U	1.5 U
4-BROMOPHENYL PHENYL ETHER	0.17 U	0.17 U	0.17 U	0.18 U
4-CHLORO-3-METHYLPHENOL	0.3 U	0.3 U	0.3 U	0.31 U
4-CHLOROPHENYL PHENYL ETHER	0.36 U	0.37 U	0.36 U	0.37 U
4-METHYLPHENOL	1.1 U	1.1 U	1.1 U	1.1 U
4-NITROPHENOL	0.94 U	0.95 U	0.94 U	0.97 U
ACENAPHTHYLENE	0.43 U	0.44 U	0.43 U	0.45 U
ACENAPHTHENE	0.24 U	0.24 U	1.3 J	0.24 U
ANTHRACENE	0.16 U	0.16 U	0.16 U	0.16 U
BENZO(A)ANTHRACENE	0.22 U	0.23 U	0.22 U	0.23 U
BENZO(A)PYRENE	0.45 U	0.45 U	0.45 U	0.46 U
BENZO(B)FLUORANTHENE	0.23 U	0.23 U	0.23 U	0.24 U
BENZO(G,H,I)PERYLENE	0.42 U	0.43 U	0.42 U	0.44 U

Notes:

ug/L: Micrograms per liters

U: Indicates the compound was analyzed for but was not detected.

J: Indicates an estimated value.

B: Indicates the analyte was found in the blank.

**Summary of Total SVOCs in Groundwater
Convention Center Investigation**

Table O.2-37

Location ID	B-905	B-907	B-1102	B-1104
Sample ID	MW-11	MW-16	MW-14	MW-15
Dilution Factor	1.0	1.0	1.0	1.0
Sample Date	8/31/2004	8/31/2004	8/26/2004	8/27/2004
Unit	ug/L	ug/L	ug/L	ug/L
BENZO(K)FLUORANTHENE	0.38 U	0.39 U	0.38 U	0.39 U
BENZYL BUTYL PHTHALATE	0.3 U	0.3 U	0.3 U	0.31 U
BIS(2-CHLOROETHOXY)METHANE	0.44 U	0.45 U	0.44 U	0.45 U
BIS(2-CHLOROETHYL-ETHER	0.33 U	0.33 U	0.33 U	0.34 U
BIS(2-ETHYLHEXYL)PHTHALATE	1.3 JB	7.1 JB	4.3 J	3.4 JB
CARBAZOLE	0.31 U	0.31 U	0.31 U	0.32 U
DIBENZ(A,H)ANTHRACENE	0.29 U	0.29 U	0.29 U	0.3 U
DIBENZOFURAN	0.31 U	0.32 U	0.31 U	0.32 U
DIETHYL PHTHALATE	0.34 U	0.34 U	0.34 U	0.35 U
DIMETHYL PHTHALATE	0.26 U	0.26 U	0.26 U	0.26 U
DI-N-BUTYLPHTHALATE	0.098 U	0.099 U	0.098 U	0.1 U
DI-N-OCTYL PHTHALATE	0.17 U	0.17 U	0.17 U	0.18 U
FLUORANTHENE	0.21 U	0.21 U	1.1 J	0.22 U
FLUORENE	0.17 U	0.17 U	0.17 U	0.18 U
HEXACHLORO-1,3-BUTADIENE	0.38 U	0.38 U	0.38 U	0.39 U
HEXACHLOROBENZENE	0.23 U	0.23 U	0.23 U	0.24 U
HEXACHLOROCYCLOPENTADIENE	0.45 U	0.46 U	0.45 U	0.47 U
HEXACHLOROETHANE	0.91 U	0.92 U	0.91 U	0.94 U
INDENO(1,2,3-CD)PYRENE	0.29 U	0.29 U	0.29 U	0.3 U
1,3-DICHLOROBENZENE	1 U	1 U	1 U	1 U
NAPHTHALENE	0.27 U	0.27 U	0.27 U	0.28 U
NITROBENZENE	0.38 U	0.38 U	0.38 U	0.39 U
N-NITROSODI-N-PROPYLAMINE	0.77 U	0.77 U	0.77 U	0.79 U
N-NITROSODIPHENYLAMINE	0.28 U	0.28 U	0.28 U	0.29 U
P-CHLOROANILINE	4.1 U	4.1 U	4.1 U	4.2 U
PENTACHLOROPHENOL	0.39 U	0.39 U	0.39 U	0.4 U
PHENANTHRENE	0.27 U	0.28 U	0.27 U	0.28 U
PHENOL	0.43 U	0.43 U	0.43 U	0.44 U
P-NITROANILINE	0.83 U	0.84 U	0.83 U	0.86 U
PYRENE	0.25 U	0.25 U	0.25 U	0.25 U

Notes:

ug/L: Micrograms per liters

U: Indicates the compound was analyzed for but was not detected.

J: Indicates an estimated value.

B: Indicates the analyte was found in the blank.

**Summary of Total SVOCs in Groundwater
Convention Center Investigation**

Table O.2-37

Location ID	B-1201	B-1202
Sample ID	MW-12	MW-13
Dilution Factor	1.0	1.0
Sample Date	8/31/2004	8/31/2004
Unit	ug/L	ug/L
1,2,4-TRICHLOROBENZENE	0.41 U	0.42 U
CHRYSENE	0.39 U	0.39 U
1,2-DICHLOROBENZENE	0.59 U	0.6 U
1,4-DICHLOROBENZENE	0.68 U	0.69 U
2,2'-OXYBIS(1-CHLOROPROPANE)	0.84 U	0.85 U
2,4,5-TRICHLOROPHENOL	0.59 U	0.59 U
2,4,6-TRICHLOROPHENOL	0.29 U	0.29 U
2,4-DICHLOROPHENOL	0.29 U	0.29 U
2,4-DIMETHYLPHENOL	0.47 U	0.47 U
2,4-DINITROPHENOL	0.19 U	0.19 U
2,4-DINITROTOLUENE	0.34 U	0.34 U
2,6-DINITROTOLUENE	0.42 U	0.42 U
2-CHLORONAPHTHALENE	0.39 U	0.39 U
2-CHLOROPHENOL	0.73 U	0.74 U
2-METHYLNAPHTHALENE	0.5 U	4.9 J
2-METHYLPHENOL	1.1 U	1.2 U
2-NITROANILINE	0.3 U	0.3 U
2-NITROPHENOL	0.27 U	0.27 U
3,3'-DICHLOROBENZIDINE	1.6 U	1.6 U
ISOPHRONE	0.48 U	0.49 U
3-NITROANILINE	1.1 U	1.1 U
4,6-DINITRO-2-METHYLPHENOL	1.5 U	1.5 U
4-BROMOPHENYL PHENYL ETHER	0.17 U	0.17 U
4-CHLORO-3-METHYLPHENOL	0.3 U	0.31 U
4-CHLOROPHENYL PHENYL ETHER	0.37 U	0.37 U
4-METHYLPHENOL	1.1 U	1.1 U
4-NITROPHENOL	0.95 U	0.96 U
ACENAPHTHYLENE	0.44 U	0.44 U
ACENAPHTHENE	0.24 U	0.24 U
ANTHRACENE	0.16 U	0.16 U
BENZO(A)ANTHRACENE	0.23 U	0.23 U
BENZO(A)PYRENE	0.45 U	0.46 U
BENZO(B)FLUORANTHENE	0.23 U	0.24 U
BENZO(G,H,I)PERYLENE	0.43 U	0.43 U

Notes:

ug/L: Micrograms per liters

U: Indicates the compound was analyzed for but was not detected.

J: Indicates an estimated value.

B: Indicates the analyte was found in the blank.

**Summary of Total SVOCs in Groundwater
Convention Center Investigation**

Table O.2-37

Location ID	B-1201	B-1202
Sample ID	MW-12	MW-13
Dilution Factor	1.0	1.0
Sample Date	8/31/2004	8/31/2004
Unit	ug/L	ug/L
BENZO(K)FLUORANTHENE	0.39 U	0.39 U
BENZYL BUTYL PHTHALATE	0.3 U	0.3 U
BIS(2-CHLOROETHOXY)METHANE	0.45 U	0.45 U
BIS(2-CHLOROETHYL-ETHER	0.33 U	0.33 U
BIS(2-ETHYLHEXYL)PHTHALATE	0.35 U	1.4 JB
CARBAZOLE	0.31 U	0.31 U
DIBENZ(A,H)ANTHRACENE	0.29 U	0.3 U
DIBENZOFURAN	0.32 U	0.32 U
DIETHYL PHTHALATE	0.34 U	0.35 U
DIMETHYL PHTHALATE	0.26 U	0.26 U
DI-N-BUTYLPHTHALATE	0.099 U	0.1 U
DI-N-OCTYL PHTHALATE	0.17 U	0.18 U
FLUORANTHENE	0.21 U	0.21 U
FLUORENE	0.17 U	0.18 U
HEXACHLORO-1,3-BUTADIENE	0.38 U	0.38 U
HEXACHLOROBENZENE	0.23 U	0.24 U
HEXACHLOROCYCLOPENTADIENE	0.46 U	0.46 U
HEXACHLOROETHANE	0.92 U	0.93 U
INDENO(1,2,3-CD)PYRENE	0.29 U	0.3 U
1,3-DICHLOROBENZENE	1 U	1 U
NAPHTHALENE	0.27 U	0.27 U
NITROBENZENE	0.38 U	0.38 U
N-NITROSODI-N-PROPYLAMINE	0.77 U	0.78 U
N-NITROSODIPHENYLAMINE	0.28 U	0.29 U
P-CHLOROANILINE	4.1 U	4.2 U
PENTACHLOROPHENOL	0.39 U	0.4 U
PHENANTHRENE	0.28 U	0.28 U
PHENOL	0.43 U	0.44 U
P-NITROANILINE	0.84 U	0.85 U
PYRENE	0.25 U	0.25 U

Notes:

ug/L: Micrograms per liters

U: Indicates the compound was analyzed for but was not detected.

J: Indicates an estimated value.

B: Indicates the analyte was found in the blank.

**Summary of Total Metals in Groundwater
Convention Center Investigation**

Table O.2-38

Location ID	B-607	B-603	B-604	B-702
Sample ID	Bailed	MW-1	MW-4	MW-3
Dilution Factor	1.0	1.0	1.0	1.0
Sample Date	8/10/2004	8/27/2004	8/27/2004	8/27/2004
Unit	ug/L	ug/L	ug/L	ug/L
ALUMINUM	166000	1590	180 U	180 U
ANTIMONY	6.6 U	6.6 U	6.6 U	6.6 U
ARSENIC	89.1	17.8 N	11.2 N	4.84 UN
BARIUM	2530	136 J	115 J	113 J
BERYLLIUM	7.23	1.06 U	1.06 U	1.06 U
CADMIUM	19.6	0.994 U	0.994 U	0.994 U
CALCIUM METAL	551000	217000	301000	160000
CHROMIUM	463	2.99 J	1.22 J	1.22 U
COBALT	135	2.82 J	2.38 U	2.38 U
COPPER	875	31.6	7.94 J	5.49 J
IRON	188000	2740 N	414 N	3140 N
LEAD	3320	121	15.6	5.68
MAGNESIUM	63900	6270	58000	44500
MANGANESE	4430	59.1	425	615
NICKEL	252	15.6 J	5.55 U	5.55 U
POTASSIUM	68700 N	83900	52300	67500
SELENIUM	5.24 U	18.4 N	5.24 UN	5.24 UN
SILVER	3.38 U	3.38 UN	3.38 UN	3.38 UN
SODIUM	381000	651000	282000	658000
THALLIUM	5.78 U	12 N	5.78 UN	5.78 UN
VANADIUM	384	18.4 J	1.86 U	1.86 U
ZINC	4290	113 N	34.2 N	33.2 N
MERCURY	130 D	0.52	0.14 J	0.12 J

Notes:

ug/L: Micrograms per liters

U: Indicates the compound was analyzed for but was not detected.

J: Indicates an estimated value.

N: Indicates presumptive evidence of a compound.

D: Indicates the compound identified in an analysis at a secondary dilution factor.

**Summary of Total Metals in Groundwater
Convention Center Investigation**

Table O.2-38

Location ID	B-702	B-801	B-802	B-802
Sample ID	DUP-82704	MW-5	MW-8-9-16-04	MW-8-8-31-04
Dilution Factor	1.0	1.0	1.0	1.0
Sample Date	8/27/2004	8/30/2004	9/16/2004	8/31/2004
Unit	ug/L	ug/L	ug/L	ug/L
ALUMINUM	180 U	180 UN	12200	5730 N
ANTIMONY	6.6 U	6.6 U	6.6 U	6.6 U
ARSENIC	4.84 UN	4.84 U	4.84 U	4.84 U
BARIUM	110 J	68.5 J	143 J	87.5 J
BERYLLIUM	1.06 U	1.82 JN	1.06 U	2.54 JN
CADMIUM	0.994 U	0.994 U	0.994 U	0.994 U
CALCIUM METAL	156000	237000	172000	90800
CHROMIUM	1.22 U	3.01 J	26.4	15.6
COBALT	2.38 U	2.38 U	9.04 J	6.04 J
COPPER	6.46 J	4.32 J	40.3	24.3 J
IRON	3160 N	524 N	19600	8380 N
LEAD	10	16.2	56.4	39.8
MAGNESIUM	43700	41900	6130	3890 J
MANGANESE	612	248	760	417
NICKEL	5.55 U	5.55 U	34.6 J	15.4 J
POTASSIUM	65100	99200	48400	31000
SELENIUM	5.24 UN	7.02 J	14.3	10.1
SILVER	3.38 UN	3.38 U	3.38 U	3.38 U
SODIUM	631000	1540000	461000	321000
THALLIUM	5.78 UN	5.78 U	5.78 U	5.78 U
VANADIUM	1.86 U	3.03 J	33.8 J	23.8 J
ZINC	39.6 N	37.5	107	105
MERCURY	0.11 J	0.03 U	0.14 J	0.08 J

Notes:

ug/L: Micrograms per liters

U: Indicates the compound was analyzed for but was not detected.

J: Indicates an estimated value.

N: Indicates presumptive evidence of a compound.

D: Indicates the compound identified in an analysis at a secondary dilution factor.

**Summary of Total Metals in Groundwater
Convention Center Investigation**

Table O.2-38

Location ID	B-901	B-903	B-905	B-907
Sample ID	MW-9	MW-10	MW-11	MW-16
Dilution Factor	1.0	1.0	1.0	1.0
Sample Date	8/26/2004	8/30/2004	8/31/2004	8/31/2004
Unit	ug/L	ug/L	ug/L	ug/L
ALUMINUM	2620	372 N	2010 N	4580 N
ANTIMONY	6.6 U	6.6 U	6.6 U	6.6 U
ARSENIC	10.5 N	4.84 U	26.5	4.84 U
BARIUM	70.5 J	719	559	204
BERYLLIUM	2.08 J	1.22 JN	1.96 JN	2.88 JN
CADMIUM	0.994 U	0.994 U	0.994 U	0.994 U
CALCIUM METAL	96200	235000	168000	41500
CHROMIUM	5.59 J	1.22 U	8.3 J	11.2
COBALT	4.88 J	2.38 U	2.38 U	4.68 J
COPPER	35.5	8.9 J	23.3 J	25.1
IRON	6020 N	592 N	2900 N	8900 N
LEAD	55.2	5.41	183	142
MAGNESIUM	62800	17900	204000	5580
MANGANESE	582	14.9 J	181	309
NICKEL	8.78 J	5.55 U	5.55 U	18.9 J
POTASSIUM	98000	124000	182000 D	36900
SELENIUM	5.24 UN	6.4 J	5.24 U	5.24 U
SILVER	3.38 UN	3.38 U	3.38 U	3.38 U
SODIUM	689000	2920000 D	3250000 D	711000
THALLIUM	7.18 JN	5.78 U	6.67 J	5.78 U
VANADIUM	7.46 J	1.86 U	7.68 J	14.7 J
ZINC	108 N	38.6	139	88.9
MERCURY	0.6	0.06 J	1.3	0.2 J

Notes:

ug/L: Micrograms per liters

U: Indicates the compound was analyzed for but was not detected.

J: Indicates an estimated value.

N: Indicates presumptive evidence of a compound.

D: Indicates the compound identified in an analysis at a secondary dilution factor.

**Summary of Total Metals in Groundwater
Convention Center Investigation**

Table O.2-38

Location ID	B-1102	B-1104	B-1201	B-1202
Sample ID	MW-14	MW-15	MW-12	MW-13
Dilution Factor	1.0	1.0	1.0	1.0
Sample Date	8/26/2004	8/27/2004	8/31/2004	8/31/2004
Unit	ug/L	ug/L	ug/L	ug/L
ALUMINUM	180 U	1450	180 UN	180 UN
ANTIMONY	6.6 U	6.6 U	6.6 U	6.6 U
ARSENIC	6.4 JN	4.84 UN	4.84 U	4.84 U
BARIUM	144 J	89.8 J	453	367
BERYLLIUM	1.46 J	2.24 J	2.41 JN	2.98 JN
CADMIUM	1.08 J	0.994 U	0.994 U	0.994 U
CALCIUM METAL	228000	140000	218000	213000
CHROMIUM	1.22 U	2.48 J	1.81 J	1.84 J
COBALT	2.38 U	2.65 J	2.38 U	2.38 U
COPPER	4.98 J	7.4 J	5.93 J	2.32 J
IRON	2820 N	5570 N	1960 N	777 N
LEAD	1.79 U	10.9	6.72	1.79 U
MAGNESIUM	47800	17300	49900	96600
MANGANESE	898	2780	669	393
NICKEL	5.55 U	5.55 U	5.55 U	5.55 U
POTASSIUM	37100	26800	57400	126000
SELENIUM	5.24 UN	6.35 JN	6 J	5.24 U
SILVER	3.38 UN	3.38 UN	3.38 U	3.38 U
SODIUM	466000	235000	1050000	2180000
THALLIUM	9.08 JN	8.14 JN	5.78 U	5.78 U
VANADIUM	1.86 U	2.85 J	1.86 U	1.86 U
ZINC	27.5 N	37 N	28.1	33
MERCURY	0.22	0.12 J	0.12 J	0.03 U

Notes:

ug/L: Micrograms per liters

U: Indicates the compound was analyzed for but was not detected.

J: Indicates an estimated value.

N: Indicates presumptive evidence of a compound.

D: Indicates the compound identified in an analysis at a secondary dilution factor.

**Summary of Total PCBs in Groundwater
Convention Center Investigation**

Table O.2-39

Location ID	B-607	B-603	B-604	B-702	B-702
Sample ID	B-607	MW-1	MW-4	MW-3	DUP-82704
Dilution Factor	1.0	1.0	1.0	1.0	1.0
Sample Date	8/10/2004	8/27/2004	8/27/2004	8/27/2004	8/27/2004
Unit	ug/L	ug/L	ug/L	ug/L	ug/L
AROCLOR-1016 (PCB-1016)	0.00087 U	0.13 U	0.13 U	0.13 U	0.13 U
AROCLOR-1221 (PCB-1221)	0.001 U	0.05 U	0.05 U	0.05 U	0.05 U
AROCLOR-1232 (PCB-1232)	0.00088 U	0.05 U	0.05 U	0.05 U	0.05 U
AROCLOR-1242 (PCB-1242)	0.00077 U	0.14 U	0.14 U	0.14 U	0.14 U
AROCLOR-1248 (PCB-1248)	0.00076 U	0.06 U	0.06 U	0.06 U	0.06 U
AROCLOR-1254 (PCB-1254)	0.00074 U	0.03 U	0.03 U	0.03 U	0.03 U
AROCLOR-1260 (PCB-1260)	0.00084 U	0.063 U	0.064 U	0.063 U	0.064 U
TOTAL PCBs (AROCLORs)					

Notes:

ug/L: Micrograms per liter

U: Indicates the compound was analyzed for but was not detected.

Summary of Total PCBs in Groundwater
Convention Center Investigation

Table O.2-39

Location ID	B-801	B-901	B-903	B-905	B-907
Sample ID	MW-5	MW-9	MW-10	MW-11	MW-16
Dilution Factor	1.0	1.0	1.0	1.0	1.0
Sample Date	8/30/2004	8/26/2004	8/30/2004	8/31/2004	8/31/2004
Unit	ug/L	ug/L	ug/L	ug/L	ug/L
AROCLOR-1016 (PCB-1016)	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U
AROCLOR-1221 (PCB-1221)	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
AROCLOR-1232 (PCB-1232)	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
AROCLOR-1242 (PCB-1242)	0.14 U	0.14 U	0.14 U	0.14 U	0.14 U
AROCLOR-1248 (PCB-1248)	0.06 U	0.06 U	0.06 U	0.06 U	0.06 U
AROCLOR-1254 (PCB-1254)	0.03 U	0.03 U	0.03 U	0.03 U	0.03 U
AROCLOR-1260 (PCB-1260)	0.063 U	0.063 U	0.063 U	0.062 U	0.063 U
TOTAL PCBs (AROCLORs)					

Notes:

ug/L: Micrograms per liter

U: Indicates the compound was analyzed for but was not detected.

**Summary of Total PCBs in Groundwater
Convention Center Investigation**

Table O.2-39

Location ID	B-1102	B-1104	B-1201	B-1202	FB
Sample ID	MW-14	MW-15	MW-12	MW-13	FB-08-31-04
Dilution Factor	1.0	1.0	1.0	1.0	1.0
Sample Date	8/26/2004	8/27/2004	8/31/2004	8/31/2004	8/31/2004
Unit	ug/L	ug/L	ug/L	ug/L	ug/L
AROCLOR-1016 (PCB-1016)	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U
AROCLOR-1221 (PCB-1221)	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
AROCLOR-1232 (PCB-1232)	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
AROCLOR-1242 (PCB-1242)	0.14 U	0.14 U	0.14 U	0.14 U	0.14 U
AROCLOR-1248 (PCB-1248)	0.06 U	0.06 U	0.06 U	0.06 U	0.06 U
AROCLOR-1254 (PCB-1254)	0.03 U	0.03 U	0.03 U	0.03 U	0.03 U
AROCLOR-1260 (PCB-1260)	0.062 U	0.063 U	0.063 U	0.062 U	0.062 U
TOTAL PCBs (AROCLORs)					

Notes:

ug/L: Micrograms per liter

U: Indicates the compound was analyzed for but was not detected.

**Summary of Total VOCs in Soil
Caemmerer Yard West Investigation**

Table O.2-40

Location ID	SB-H-04		SB-H-04		SB-H-04	
Sample ID	SB-H-04-LIRR-2-4		SB-H-04-LIRR-8-10		SB-H-04-LIRR-12-14	
Depth	2-4		8-10		12-14	
Dilution Factor	1.0		1.0		1.0	
Sample Date	9/21/2004		9/21/2004		9/21/2004	
Unit	ug/Kg		ug/Kg		ug/Kg	
1,1,1-TRICHLOROETHANE	0.29	U	0.4	U	0.35	U
1,1,2,2-TETRACHLOROETHANE	0.56	U	0.78	U	0.68	U
1,1,2-TRICHLOROETHANE	0.53	U	0.74	U	0.65	U
1,1-DICHLOROETHANE	0.37	U	0.52	U	0.45	U
1,1-DICHLOROETHYLENE	0.23	U	0.32	U	0.28	U
1,2-DICHLOROETHANE	3.2	U	4.5	U	3.9	U
1,2-DICHLOROPROPANE	0.35	U	0.49	U	0.43	U
METHYL ETHYL KETON (MEK)	2.4	U	3.3	U	2.9	U
4-METHYL-2-PENTANONE	2.5	U	3.5	U	3.1	U
ACETONE	7.9	U	28	J	32	
BENZENE	0.21	U	0.3	U	0.26	U
BROMODICHLOROMETHANE	0.35	U	0.49	U	0.43	U
BROMOMETHANE	0.75	U	1	U	0.91	U
CARBON DISULFIDE	0.11	U	0.15	U	0.13	U
CARBON TETRACHLORIDE	0.31	U	0.44	U	0.38	U
CHLOROETHANE	0.37	U	0.52	U	0.45	U
CHLORODIBROMOMETHANE	0.31	U	0.43	U	0.37	U
CHLOROETHANE	0.55	U	0.77	U	0.67	U
CHLOROFORM	0.25	U	0.35	U	0.3	U
CHLOROMETHANE	0.35	U	0.49	U	0.42	U
CIS-1,2-DICHLOROETHENE	0.37	U	0.52	U	0.45	U
CIS-1,3-DICHLOROPROPENE	0.2	U	0.29	U	0.25	U
DICHLOROMETHANE	3.4	J	2.3	J	2.8	J
ETHYLBENZENE	0.26	U	0.37	U	0.32	U
M/P-XYLENE (a)	0.54	U	0.76	U	0.66	U
O-XYLENE (b)	0.45	U	0.64	U	0.55	U
TOTAL XYLENES (a+b)	-		-		-	
METHYL N-BUTYL KETONE	3.4	U	4.7	U	4.1	U
METHYLBENZENE	0.27	U	0.38	U	0.33	U
STYRENE (MONOMER)	0.33	U	0.46	U	0.4	U
TETRACHLOROETHENE	0.67	U	0.93	U	0.81	U
TRANS-1,2-DICHLOROETHENE	0.39	U	0.55	U	0.48	U
TRANS-1,3-DICHLOROPROPENE	0.27	U	0.38	U	0.33	U
TRIBOMOMETHANE	0.31	U	0.44	U	0.38	U
TRICHLOROETHYLENE	0.34	U	0.47	U	0.41	U
VINYL CHLORIDE	0.25	U	0.35	U	0.3	U

Notes:

ug/kg - micrograms per kilogram

DUP - denotes field duplicate of preceding sample

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

J - Indicates an estimated value

B - Indicates the analyte was found in the blank

D - Indicates the compound identified in an analysis at a secondary dilution factor.

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**Summary of Total VOCs in Soil
Caemmerer Yard West Investigation**

Table O.2-40

Location ID	SB-H-04		SB-H-05		SB-H-05	
Sample ID	SB-H-04-LIRR-18-20		SB-H-05-LIRR-4-6		SB-H-05-LIRR-10-12	
Depth	18-20		4-6		10-12	
Dilution Factor	1.0		1.0		1.0	
Sample Date	9/21/2004		9/17/2004		9/21/2004	
Unit	ug/Kg		ug/Kg		ug/Kg	
1,1,1-TRICHLOROETHANE	0.46	U	0.29	U	0.36	U
1,1,2,2-TETRACHLOROETHANE	0.9	U	0.56	U	0.71	U
1,1,2-TRICHLOROETHANE	0.86	U	0.54	U	0.67	U
1,1-DICHLOROETHANE	0.6	U	0.38	U	0.47	U
1,1-DICHLOROETHYLENE	0.36	U	0.23	U	0.29	U
1,2-DICHLOROETHANE	5.2	U	3.3	U	4.1	U
1,2-DICHLOROPROPANE	0.57	U	0.36	U	0.45	U
METHYL ETHYL KETON (MEK)	3.9	U	2.4	U	3	U
4-METHYL-2-PENTANONE	4.1	U	2.6	U	3.2	U
ACETONE	85		25	J	58	
BENZENE	0.34	U	0.21	U	0.27	U
BROMODICHLOROMETHANE	0.56	U	0.35	U	0.44	U
BROMOMETHANE	1.2	U	0.75	U	0.94	U
CARBON DISULFIDE	0.17	U	5.1	J	1.5	J
CARBON TETRACHLORIDE	0.51	U	0.32	U	0.4	U
CHLOROETHANE	0.6	U	0.37	U	0.47	U
CHLORODIBROMOMETHANE	0.49	U	0.31	U	0.39	U
CHLOROETHANE	0.89	U	0.56	U	0.7	U
CHLOROFORM	0.4	U	0.25	U	0.32	U
CHLOROMETHANE	0.56	U	0.35	U	0.44	U
CIS-1,2-DICHLOROETHENE	0.6	U	0.37	U	0.47	U
CIS-1,3-DICHLOROPROPENE	0.33	U	0.21	U	0.26	U
DICHLOROMETHANE	3.8	J	3	J	3.6	J
ETHYLBENZENE	0.42	U	0.26	U	0.33	U
M/P-XYLENE (a)	0.87	U	0.55	U	0.69	U
O-XYLENE (b)	0.73	U	0.46	U	0.58	U
TOTAL XYLENES (a+b)	-		-		-	
METHYL N-BUTYL KETONE	5.4	U	3.4	U	4.3	U
METHYLBENZENE	0.44	U	1.1	J	0.35	U
STYRENE (MONOMER)	0.53	U	0.33	U	0.42	U
TETRACHLOROETHENE	1.1	U	0.68	U	0.85	U
TRANS-1,2-DICHLOROETHENE	0.63	U	0.39	U	0.49	U
TRANS-1,3-DICHLOROPROPENE	0.43	U	0.27	U	0.34	U
TRIBOMOMETHANE	0.51	U	0.32	U	0.4	U
TRICHLOROETHYLENE	0.54	U	0.34	U	0.43	U
VINYL CHLORIDE	0.4	U	0.25	U	0.31	U

Notes:

ug/kg - micrograms per kilogram

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**Summary of Total VOCs in Soil
Caemmerer Yard West Investigation**

Table O.2-40

Location ID	SB-H-05		SB-H-06		SB-H-06	
Sample ID	SB-H-05-LIRR-18-20		SB-H-06-LIRR-2-4		SB-H-06-LIRR-8-10	
Depth	18-20		2-4		8-10	
Dilution Factor	1.0		1.0		1.0	
Sample Date	9/21/2004		9/22/2004		9/22/2004	
Unit	ug/Kg		ug/Kg		ug/Kg	
1,1,1-TRICHLOROETHANE	0.35	U	0.29	U	0.32	U
1,1,2,2-TETRACHLOROETHANE	0.68	U	0.56	U	0.63	U
1,1,2-TRICHLOROETHANE	0.65	U	0.54	U	0.6	U
1,1-DICHLOROETHANE	0.45	U	0.38	U	0.42	U
1,1-DICHLOROETHYLENE	0.28	U	0.23	U	0.26	U
1,2-DICHLOROETHANE	3.9	U	3.3	U	3.7	U
1,2-DICHLOROPROPANE	0.43	U	0.36	U	0.4	U
METHYL ETHYL KETON (MEK)	2.9	U	2.4	U	2.7	U
4-METHYL-2-PENTANONE	3.1	U	2.6	U	2.9	U
ACETONE	48		7.9	U	35	
BENZENE	0.26	U	0.21	U	0.24	U
BROMODICHLOROMETHANE	0.43	U	0.35	U	0.4	U
BROMOMETHANE	0.91	U	0.75	U	0.84	U
CARBON DISULFIDE	7.2		0.11	U	0.12	U
CARBON TETRACHLORIDE	0.38	U	0.32	U	0.35	U
CHLOROETHANE	0.45	U	0.37	U	0.42	U
CHLORODIBROMOMETHANE	0.37	U	0.31	U	0.35	U
CHLOROETHANE	0.67	U	0.56	U	0.62	U
CHLOROFORM	0.3	U	0.25	U	0.28	U
CHLOROMETHANE	0.42	U	0.35	U	0.39	U
CIS-1,2-DICHLOROETHENE	0.45	U	0.37	U	0.42	U
CIS-1,3-DICHLOROPROPENE	0.25	U	0.21	U	0.23	U
DICHLOROMETHANE	3.4	J	0.72	U	0.81	U
ETHYLBENZENE	0.32	U	0.26	U	0.3	U
M/P-XYLENE (a)	0.66	U	0.55	U	0.61	U
O-XYLENE (b)	0.55	U	0.46	U	0.51	U
TOTAL XYLENES (a+b)	-		-		-	
METHYL N-BUTYL KETONE	4.1	U	3.4	U	3.8	U
METHYLBENZENE	0.33	U	0.28	U	0.31	U
STYRENE (MONOMER)	0.4	U	0.33	U	0.37	U
TETRACHLOROETHENE	0.81	U	0.68	U	0.76	U
TRANS-1,2-DICHLOROETHENE	0.48	U	0.39	U	0.44	U
TRANS-1,3-DICHLOROPROPENE	0.33	U	0.27	U	0.3	U
TRIBOMOMETHANE	0.38	U	0.32	U	0.36	U
TRICHLOROETHYLENE	0.41	U	0.34	U	0.38	U
VINYL CHLORIDE	0.3	U	0.25	U	0.28	U

Notes:

ug/kg - micrograms per kilogram

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D - Indicates the compound identified in an analysis at a secondary dilution factor.

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**Summary of Total VOCs in Soil
Caemmerer Yard West Investigation**

Table O.2-40

Location ID	SB-H-06		SB-H-06		SB-H-07	
Sample ID	SB-H-06-LIRR-10-12		SB-H-06-LIRR-24-26		SB-H-07-LIRR-2-4	
Depth	10-12		24-26		2-4	
Dilution Factor	1.0		1.0		1.0	
Sample Date	9/22/2004		9/22/2004		10/1/04	
Unit	ug/Kg		ug/Kg		ug/Kg	
1,1,1-TRICHLOROETHANE	0.35	U	0.43	U	0.3	U
1,1,2,2-TETRACHLOROETHANE	0.68	U	0.84	U	0.59	U
1,1,2-TRICHLOROETHANE	0.65	U	0.8	U	0.56	U
1,1-DICHLOROETHANE	0.45	U	0.56	U	0.39	U
1,1-DICHLOROETHYLENE	0.28	U	0.34	U	0.24	U
1,2-DICHLOROETHANE	3.9	U	4.9	U	3.4	U
1,2-DICHLOROPROPANE	0.43	U	0.53	U	0.37	U
METHYL ETHYL KETON (MEK)	2.9	U	3.6	U	2.5	U
4-METHYL-2-PENTANONE	3.1	U	3.8	U	2.7	U
ACETONE	9.6	U	72		8.3	U
BENZENE	0.26	U	0.32	U	0.22	U
BROMODICHLOROMETHANE	0.43	U	0.53	U	0.37	U
BROMOMETHANE	0.91	U	1.1	U	0.79	U
CARBON DISULFIDE	0.13	U	4	J	0.11	U
CARBON TETRACHLORIDE	0.38	U	0.47	U	0.33	U
CHLOROETHANE	0.45	U	0.56	U	0.39	U
CHLORODIBROMOMETHANE	0.37	U	0.46	U	0.32	U
CHLOROETHANE	0.67	U	0.83	U	0.58	U
CHLOROFORM	0.3	U	0.38	U	0.26	U
CHLOROMETHANE	0.42	U	0.53	U	0.37	U
CIS-1,2-DICHLOROETHENE	0.45	U	0.56	U	0.39	U
CIS-1,3-DICHLOROPROPENE	0.25	U	0.31	U	0.22	U
DICHLOROMETHANE	0.87	U	4.7	J	7	
ETHYLBENZENE	0.32	U	64		0.28	U
M/P-XYLENE (a)	0.66	U	120		0.57	U
O-XYLENE (b)	0.55	U	5.1	U	0.48	U
TOTAL XYLENES (a+b)	-		-	J	-	
METHYL N-BUTYL KETONE	4.1	U	3.8		3.6	U
METHYLBENZENE	0.33	U	120	U	0.29	U
STYRENE (MONOMER)	0.4	U	0.5	U	0.35	U
TETRACHLOROETHENE	0.81	U	1	U	0.71	U
TRANS-1,2-DICHLOROETHENE	0.48	U	0.59	U	0.41	U
TRANS-1,3-DICHLOROPROPENE	0.33	U	0.41	U	0.28	U
TRIBOMOMETHANE	0.38	U	0.47	U	0.33	U
TRICHLOROETHYLENE	0.41	U	0.51	U	0.36	U
VINYL CHLORIDE	0.3	U	0.37		0.26	U

Notes:

ug/kg - micrograms per kilogram

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**Summary of Total VOCs in Soil
Caemmerer Yard West Investigation**

Table O.2-40

Location ID	SB-H-07		SB-H-07		SB-H-07	
Sample ID	SB-H-07-LIRR-4-6		SB-H-07-LIRR-14-16		DUP-SB-H-07-LIRR	
Depth	4-6		14-16		14-16	
Dilution Factor	1.0		1.0		1.0	
Sample Date	10/1/04		10/1/04		10/1/04	
Unit	ug/Kg		ug/Kg		ug/Kg	
1,1,1-TRICHLOROETHANE	0.32	U	0.35	U	0.41	U
1,1,2,2-TETRACHLOROETHANE	0.63	U	0.68	U	0.8	U
1,1,2-TRICHLOROETHANE	0.6	U	0.65	U	0.77	U
1,1-DICHLOROETHANE	0.42	U	0.45	U	0.53	U
1,1-DICHLOROETHYLENE	0.26	U	0.28	U	0.33	U
1,2-DICHLOROETHANE	3.7	U	3.9	U	4.7	U
1,2-DICHLOROPROPANE	0.4	U	0.43	U	0.51	U
METHYL ETHYL KETON (MEK)	2.7	U	2.9	U	8.8	J
4-METHYL-2-PENTANONE	2.9	U	3.1	U	3.6	U
ACETONE	8.9	U	28	J	33	J
BENZENE	0.24	U	0.26	U	0.31	U
BROMODICHLOROMETHANE	0.4	U	0.43	U	0.5	U
BROMOMETHANE	0.84	U	0.91	U	1.1	U
CARBON DISULFIDE	0.12	U	2.7	J	4.2	J
CARBON TETRACHLORIDE	0.35	U	0.38	U	0.45	U
CHLOROETHANE	0.42	U	0.45	U	0.53	U
CHLORODIBROMOMETHANE	0.35	U	0.37	U	0.44	U
CHLOROETHANE	0.62	U	0.67	U	0.8	U
CHLOROFORM	0.28	U	0.3	U	0.36	U
CHLOROMETHANE	0.39	U	0.42	U	0.5	U
CIS-1,2-DICHLOROETHENE	0.42	U	0.45	U	0.53	U
CIS-1,3-DICHLOROPROPENE	0.23	U	0.25	U	0.29	U
DICHLOROMETHANE	0.81	U	1.6	J	5	J
ETHYLBENZENE	0.3	U	0.32	U	0.38	U
M/P-XYLENE (a)	0.61	U	0.66	U	0.78	U
O-XYLENE (b)	0.51	U	0.55	U	0.65	U
TOTAL XYLENES (a+b)	-		-		-	
METHYL N-BUTYL KETONE	3.8	U	4.1	U	4.8	U
METHYLBENZENE	0.31	U	0.33	U	0.39	U
STYRENE (MONOMER)	0.37	U	0.4	U	0.47	U
TETRACHLOROETHENE	0.76	U	0.81	U	0.96	U
TRANS-1,2-DICHLOROETHENE	0.44	U	0.48	U	0.56	U
TRANS-1,3-DICHLOROPROPENE	0.3	U	0.33	U	0.39	U
TRIBOMOMETHANE	0.36	U	0.38	U	0.45	U
TRICHLOROETHYLENE	0.38	U	0.41	U	0.48	U
VINYL CHLORIDE	0.28	U	0.3	U	0.36	U

Notes:

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**Summary of Total VOCs in Soil
Caemmerer Yard West Investigation**

Table O.2-40

Location ID	SB-H-07		SB-H-08		SB-H-08	
Sample ID	SB-H-07-LIRR-24-26		SB-H-08-LIRR-2-4		SB-H-08-LIRR-4-6	
Depth	24-26		2-4		4-6	
Dilution Factor	1.0		1.0		1.0	
Sample Date	10/1/04		10/1/04		10/1/04	
Unit	ug/Kg		ug/Kg		ug/Kg	
1,1,1-TRICHLOROETHANE	0.42	U	0.3	U	0.32	U
1,1,2,2-TETRACHLOROETHANE	0.83	U	0.59	U	0.62	U
1,1,2-TRICHLOROETHANE	0.79	U	0.56	U	0.6	U
1,1-DICHLOROETHANE	0.55	U	0.39	U	0.42	U
1,1-DICHLOROETHYLENE	0.34	U	0.24	U	0.25	U
1,2-DICHLOROETHANE	4.8	U	3.4	U	3.6	U
1,2-DICHLOROPROPANE	0.52	U	0.37	U	0.39	U
METHYL ETHYL KETON (MEK)	3.6	U	2.5	U	2.7	U
4-METHYL-2-PENTANONE	3.8	U	2.7	U	2.8	U
ACETONE	12	U	8.3	U	8.8	U
BENZENE	0.32	U	0.22	U	0.24	U
BROMODICHLOROMETHANE	0.52	U	0.37	U	0.39	U
BROMOMETHANE	1.1	U	0.79	U	0.83	U
CARBON DISULFIDE	0.16	U	0.11	U	0.12	U
CARBON TETRACHLORIDE	0.47	U	0.33	U	0.35	U
CHLOROBENZENE	0.55	U	0.39	U	0.41	U
CHLORODIBROMOMETHANE	0.45	U	0.32	U	0.34	U
CHLOROETHANE	0.82	U	0.58	U	0.62	U
CHLOROFORM	0.37	U	0.26	U	0.28	U
CHLOROMETHANE	0.52	U	0.37	U	0.39	U
CIS-1,2-DICHLOROETHENE	0.55	U	0.39	U	0.41	U
CIS-1,3-DICHLOROPROPENE	0.3	U	0.22	U	0.23	U
DICHLOROMETHANE	6.3	J	6.9		7.3	
ETHYLBENZENE	0.39	U	0.28	U	0.29	U
M/P-XYLENE (a)	0.8	U	0.57	U	0.6	U
O-XYLENE (b)	0.68	U	0.48	U	0.51	U
TOTAL XYLENES (a+b)	-		-		-	
METHYL N-BUTYL KETONE	5	U	3.6	U	3.8	U
METHYLBENZENE	0.4	U	0.29	U	0.3	U
STYRENE (MONOMER)	0.49	U	0.35	U	0.37	U
TETRACHLOROETHENE	0.99	U	0.71	U	0.75	U
TRANS-1,2-DICHLOROETHENE	0.58	U	0.41	U	0.44	U
TRANS-1,3-DICHLOROPROPENE	0.4	U	0.28	U	0.3	U
TRIBOMOMETHANE	0.47	U	0.33	U	0.35	U
TRICHLOROETHYLENE	0.5	U	0.36	U	0.38	U
VINYL CHLORIDE	0.37	U	0.26	U	0.28	U

Notes:

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**Summary of Total VOCs in Soil
Caemmerer Yard West Investigation**

Table O.2-40

Location ID	SB-H-08		SB-H-08		SB-H-08	
Sample ID	SB-H-08-LIRR-16-18		SB-H-08-LIRR-16-18RE		SB-H-08-LIRR-18-20	
Depth	16-18		16-18		18-20	
Dilution Factor	1.0		1.0		1.0	
Sample Date	10/1/04		10/1/04		10/1/04	
Unit	ug/Kg		ug/Kg		ug/Kg	
1,1,1-TRICHLOROETHANE	0.32	U	0.32	U	0.48	U
1,1,2,2-TETRACHLOROETHANE	0.63	U	0.63	U	0.93	U
1,1,2-TRICHLOROETHANE	0.6	U	0.6	U	0.89	U
1,1-DICHLOROETHANE	0.42	U	0.42	U	0.62	U
1,1-DICHLOROETHYLENE	0.26	U	0.26	U	0.38	U
1,2-DICHLOROETHANE	3.7	U	3.7	U	5.4	U
1,2-DICHLOROPROPANE	0.4	U	0.4	U	0.59	U
METHYL ETHYL KETON (MEK)	2.7	U	2.7	U	13	J
4-METHYL-2-PENTANONE	2.9	U	2.9	U	4.2	U
ACETONE	8.9	U	12	J	36	J
BENZENE	0.24	U	0.24	U	0.35	U
BROMODICHLOROMETHANE	0.4	U	0.4	U	0.58	U
BROMOMETHANE	0.84	U	0.84	U	1.2	U
CARBON DISULFIDE	0.12	U	0.12	U	0.18	U
CARBON TETRACHLORIDE	0.35	U	0.35	U	0.52	U
CHLOROETHANE	0.42	U	0.42	U	0.62	U
CHLORODIBROMOMETHANE	0.35	U	0.35	U	0.51	U
CHLOROETHANE	0.62	U	0.62	U	0.92	U
CHLOROFORM	0.28	U	0.28	U	0.42	U
CHLOROMETHANE	0.39	U	0.39	U	0.58	U
CIS-1,2-DICHLOROETHENE	0.42	U	0.42	U	0.62	U
CIS-1,3-DICHLOROPROPENE	0.23	U	0.23	U	0.34	U
DICHLOROMETHANE	11		4.2	J	1.2	U
ETHYLBENZENE	0.3	U	0.3	U	0.44	U
M/P-XYLENE (a)	0.61	U	0.61	U	0.9	U
O-XYLENE (b)	0.51	U	0.51	U	0.76	U
TOTAL XYLENES (a+b)	-		-		-	
METHYL N-BUTYL KETONE	3.8	U	3.8	U	5.6	U
METHYLBENZENE	0.31	U	0.31	U	0.45	U
STYRENE (MONOMER)	0.37	U	0.37	U	0.55	U
TETRACHLOROETHENE	0.76	U	0.76	U	1.1	U
TRANS-1,2-DICHLOROETHENE	0.44	U	0.44	U	0.65	U
TRANS-1,3-DICHLOROPROPENE	0.3	U	0.3	U	0.45	U
TRIBOMOMETHANE	0.36	U	0.36	U	0.52	U
TRICHLOROETHYLENE	0.38	U	0.38	U	0.56	U
VINYL CHLORIDE	0.28	U	0.28	U	0.41	U

Notes:

ug/kg - micrograms per kilogram

DUP - denotes field duplicate of preceding sample

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

J - Indicates an estimated value

B - Indicates the analyte was found in the blank

D - Indicates the compound identified in an analysis at a secondary dilution factor.

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**Summary of Total VOCs in Soil
Caemmerer Yard West Investigation**

Table O.2-40

Location ID	SB-H-08		SB-H-10		SB-H-10	
Sample ID	SB-H-08-LIRR-18-20RE		SB-H-10-LIRR-4-6		DUP-2-09-22-04	
Depth	18-20		4-6		4-6	
Dilution Factor	1.0		1.0		1.0	
Sample Date	10/1/04		9/22/2004		9/22/2004	
Unit	ug/Kg		ug/Kg		ug/Kg	
1,1,1-TRICHLOROETHANE	0.48	U	0.3	U	0.3	U
1,1,2,2-TETRACHLOROETHANE	0.93	U	0.58	U	0.59	U
1,1,2-TRICHLOROETHANE	0.89	U	0.56	U	0.56	U
1,1-DICHLOROETHANE	0.62	U	0.39	U	0.39	U
1,1-DICHLOROETHYLENE	0.38	U	0.24	U	0.24	U
1,2-DICHLOROETHANE	5.4	U	3.4	U	3.4	U
1,2-DICHLOROPROPANE	0.59	U	0.37	U	0.37	U
METHYL ETHYL KETON (MEK)	19	J	2.5	U	2.5	U
4-METHYL-2-PENTANONE	4.2	U	2.6	U	2.7	U
ACETONE	49		33		30	
BENZENE	0.35	U	0.22	U	0.22	U
BROMODICHLOROMETHANE	0.58	U	0.37	U	0.37	U
BROMOMETHANE	1.2	U	0.78	U	0.79	U
CARBON DISULFIDE	2.1	J	0.11	U	0.11	U
CARBON TETRACHLORIDE	0.52	U	0.33	U	0.33	U
CHLOROBENZENE	0.62	U	0.39	U	0.39	U
CHLORODIBROMOMETHANE	0.51	U	0.32	U	0.32	U
CHLOROETHANE	0.92	U	0.58	U	0.58	U
CHLOROFORM	0.42	U	0.26	U	0.26	U
CHLOROMETHANE	0.58	U	0.36	U	0.37	U
CIS-1,2-DICHLOROETHENE	0.62	U	0.39	U	0.39	U
CIS-1,3-DICHLOROPROPENE	0.34	U	0.21	U	0.22	U
DICHLOROMETHANE	9.3		0.75	U	0.76	U
ETHYLBENZENE	0.44	U	0.27	U	0.28	U
M/P-XYLENE (a)	0.9	U	0.56	U	0.57	U
O-XYLENE (b)	0.76	U	0.47	U	0.48	U
TOTAL XYLENES (a+b)	-		-		-	
METHYL N-BUTYL KETONE	5.6	U	3.5	U	3.6	U
METHYLBENZENE	0.45	U	0.28	U	0.29	U
STYRENE (MONOMER)	0.55	U	0.34	U	0.35	U
TETRACHLOROETHENE	1.1	U	0.7	U	0.71	U
TRANS-1,2-DICHLOROETHENE	0.65	U	0.41	U	0.41	U
TRANS-1,3-DICHLOROPROPENE	0.45	U	0.28	U	0.28	U
TRIBOMOMETHANE	0.52	U	0.33	U	0.33	U
TRICHLOROETHYLENE	0.56	U	0.35	U	0.36	U
VINYL CHLORIDE	0.41	U	0.26	U	0.26	U

Notes:

ug/kg - micrograms per kilogram

DUP - denotes field duplicate of preceding sample

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D - Indicates the compound identified in an analysis at a secondary dilution factor.

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**Summary of Total VOCs in Soil
Caemmerer Yard West Investigation**

Table O.2-40

Location ID	SB-H-10		SB-H-10		SB-H-12	
Sample ID	SB-H-10-LIRR-6-8		SB-H-10-LIRR-22-24		SB-H-12-LIRR-0-2	
Depth	6-8		22-24		0-2	
Dilution Factor	1.0		1.0		1.0	
Sample Date	9/22/2004		9/22/04		10/1/04	
Unit	ug/Kg		ug/Kg		ug/Kg	
1,1,1-TRICHLOROETHANE	0.31	U	0.32	U	0.3	U
1,1,2,2-TETRACHLOROETHANE	0.61	U	0.63	U	0.58	U
1,1,2-TRICHLOROETHANE	0.58	U	0.6	U	0.56	U
1,1-DICHLOROETHANE	0.41	U	0.42	U	0.39	U
1,1-DICHLOROETHYLENE	0.25	U	0.26	U	0.24	U
1,2-DICHLOROETHANE	3.5	U	3.7	U	3.4	U
1,2-DICHLOROPROPANE	0.39	U	0.4	U	0.37	U
METHYL ETHYL KETON (MEK)	2.6	U	2.7	U	2.5	U
4-METHYL-2-PENTANONE	2.8	U	2.9	U	2.6	U
ACETONE	46		8.9	U	8.2	U
BENZENE	0.23	U	0.24	U	0.22	U
BROMODICHLOROMETHANE	0.38	U	0.4	U	0.37	U
BROMOMETHANE	0.81	U	0.84	U	0.78	U
CARBON DISULFIDE	0.12	U	0.12	U	0.11	U
CARBON TETRACHLORIDE	0.34	U	0.35	U	0.33	U
CHLOROENZENE	0.4	U	0.42	U	0.39	U
CHLORODIBROMOMETHANE	0.33	U	0.35	U	0.32	U
CHLOROETHANE	0.6	U	0.62	U	0.58	U
CHLOROFORM	0.27	U	0.28	U	0.26	U
CHLOROMETHANE	0.38	U	0.39	U	0.36	U
CIS-1,2-DICHLOROETHENE	0.4	U	0.42	U	0.39	U
CIS-1,3-DICHLOROPROPENE	0.22	U	0.23	U	0.21	U
DICHLOROMETHANE	0.78	U	2.5	J	6.9	
ETHYLBENZENE	0.29	U	0.3	U	0.27	U
M/P-XYLENE (a)	0.59	U	0.61	U	0.56	U
O-XYLENE (b)	0.5	U	0.51	U	0.47	U
TOTAL XYLENES (a+b)	-		-		-	
METHYL N-BUTYL KETONE	3.7	U	3.8	U	3.5	U
METHYLBENZENE	0.3	U	0.31	U	0.28	U
STYRENE (MONOMER)	0.36	U	0.37	U	0.34	U
TETRACHLOROETHENE	0.73	U	0.76	U	0.7	U
TRANS-1,2-DICHLOROETHENE	0.43	U	0.44	U	0.41	U
TRANS-1,3-DICHLOROPROPENE	0.29	U	0.3	U	0.28	U
TRIBOMOMETHANE	0.34	U	0.36	U	0.33	U
TRICHLOROETHYLENE	0.37	U	0.38	U	0.35	U
VINYL CHLORIDE	0.27	U	0.28	U	0.26	U

Notes:

ug/kg - micrograms per kilogram

DUP - denotes field duplicate of preceding sample

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

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B - Indicates the analyte was found in the blank

D - Indicates the compound identified in an analysis at a secondary dilution factor.

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**Summary of Total VOCs in Soil
Caemmerer Yard West Investigation**

Table O.2-40

Location ID	SB-H-12		SB-H-12		SB-H-12	
Sample ID	SB-H-12-LIRR-6-9		SB-H-12-LIRR-6-9RE		SB-H-12-LIRR-16-18	
Depth	6-9		6-9		16-18	
Dilution Factor	1.0		1.0		1.0	
Sample Date	10/2/04		10/2/04		10/2/04	
Unit	ug/Kg		ug/Kg		ug/Kg	
1,1,1-TRICHLOROETHANE	0.32	U	0.32	U	0.36	U
1,1,2,2-TETRACHLOROETHANE	0.63	U	0.63	U	0.7	U
1,1,2-TRICHLOROETHANE	0.6	U	0.6	U	0.67	U
1,1-DICHLOROETHANE	0.42	U	0.42	U	0.46	U
1,1-DICHLOROETHYLENE	0.26	U	0.26	U	0.28	U
1,2-DICHLOROETHANE	3.7	U	3.7	U	4.1	U
1,2-DICHLOROPROPANE	0.4	U	0.4	U	0.44	U
METHYL ETHYL KETON (MEK)	2.7	U	2.7	U	3	U
4-METHYL-2-PENTANONE	2.9	U	2.9	U	3.2	U
ACETONE	8.9	U	33		16	J
BENZENE	96		190		2.1	J
BROMODICHLOROMETHANE	0.4	U	0.4	U	0.44	U
BROMOMETHANE	0.84	U	0.84	U	0.93	U
CARBON DISULFIDE	2.8	J	7		0.13	U
CARBON TETRACHLORIDE	0.35	U	0.35	U	0.39	U
CHLOROETHYLENE	0.42	U	0.42	U	0.46	U
CHLORODIBROMOMETHANE	0.35	U	0.35	U	0.38	U
CHLOROETHANE	0.62	U	0.62	U	0.69	U
CHLOROFORM	0.28	U	0.28	U	0.31	U
CHLOROMETHANE	0.39	U	0.39	U	0.44	U
CIS-1,2-DICHLOROETHENE	0.42	U	0.42	U	0.46	U
CIS-1,3-DICHLOROPROPENE	0.23	U	0.23	U	0.26	U
DICHLOROMETHANE	7.3		5.7	J	13	
ETHYLBENZENE	0.3	U	0.3	U	0.33	U
M/P-XYLENE (a)	2.4	J	0.61	U	0.68	U
O-XYLENE (b)	1.6	J	0.51	U	0.57	U
TOTAL XYLENES (a+b)	4.0		-		-	
METHYL N-BUTYL KETONE	3.8	U	3.8	U	4.2	U
METHYLBENZENE	4	J	4.7	J	0.34	U
STYRENE (MONOMER)	0.37	U	0.37	U	0.41	U
TETRACHLOROETHENE	0.76	U	0.76	U	0.84	U
TRANS-1,2-DICHLOROETHENE	0.44	U	0.44	U	0.49	U
TRANS-1,3-DICHLOROPROPENE	0.3	U	0.3	U	0.34	U
TRIBOMOMETHANE	0.36	U	0.36	U	0.39	U
TRICHLOROETHYLENE	0.38	U	0.38	U	0.42	U
VINYL CHLORIDE	0.28	U	0.28	U	0.31	U

Notes:

ug/kg - micrograms per kilogram

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**Summary of Total VOCs in Soil
Caemmerer Yard West Investigation**

Table O.2-40

Location ID	SB-H-12		SB-H-13		SB-H-13	
Sample ID	SB-H-12-LIRR-28-29		SB-H-13-LIRR-2-4		SB-H-13-LIRR-4-6	
Depth	28-29		2-4		4-6	
Dilution Factor	1.0		1.0		1.0	
Sample Date	10/2/04		9/25/2004		9/25/2004	
Unit	ug/Kg		ug/Kg		ug/Kg	
1,1,1-TRICHLOROETHANE	0.32	U	0.29	U	0.3	U
1,1,2,2-TETRACHLOROETHANE	0.62	U	0.56	U	0.59	U
1,1,2-TRICHLOROETHANE	0.59	U	0.54	U	0.57	U
1,1-DICHLOROETHANE	0.41	U	0.38	U	0.4	U
1,1-DICHLOROETHYLENE	0.25	U	0.23	U	0.24	U
1,2-DICHLOROETHANE	3.6	U	3.3	U	3.5	U
1,2-DICHLOROPROPANE	0.39	U	0.36	U	0.38	U
METHYL ETHYL KETON (MEK)	2.6	U	2.4	U	2.6	U
4-METHYL-2-PENTANONE	2.8	U	2.6	U	2.7	U
ACETONE	8.7	U	12	J	29	
BENZENE	0.23	U	0.21	U	0.23	U
BROMODICHLOROMETHANE	0.39	U	0.35	U	0.37	U
BROMOMETHANE	0.82	U	0.75	U	0.8	U
CARBON DISULFIDE	2.3	J	0.11	U	1.9	J
CARBON TETRACHLORIDE	0.35	U	0.32	U	0.33	U
CHLOROETHANE	0.41	U	0.37	U	0.4	U
CHLORODIBROMOMETHANE	0.34	U	0.31	U	0.33	U
CHLOROETHANE	0.61	U	0.56	U	0.59	U
CHLOROFORM	0.28	U	0.25	U	0.27	U
CHLOROMETHANE	0.38	U	0.35	U	0.37	U
CIS-1,2-DICHLOROETHENE	0.41	U	0.37	U	0.4	U
CIS-1,3-DICHLOROPROPENE	0.23	U	0.21	U	0.22	U
DICHLOROMETHANE	9.5		0.72	U	1.2	J
ETHYLBENZENE	0.29	U	0.26	U	0.28	U
M/P-XYLENE (a)	0.6	U	0.55	U	0.58	U
O-XYLENE (b)	0.5	U	0.46	U	0.49	U
TOTAL XYLENES (a+b)	-		-		-	
METHYL N-BUTYL KETONE	3.7	U	3.4	U	3.6	U
METHYLBENZENE	0.3	U	0.28	U	0.29	U
STYRENE (MONOMER)	0.36	U	0.33	U	0.35	U
TETRACHLOROETHENE	0.74	U	0.68	U	0.71	U
TRANS-1,2-DICHLOROETHENE	0.43	U	0.39	U	0.42	U
TRANS-1,3-DICHLOROPROPENE	0.3	U	0.27	U	0.29	U
TRIBOMOMETHANE	0.35	U	0.32	U	0.34	U
TRICHLOROETHYLENE	0.37	U	0.34	U	0.36	U
VINYL CHLORIDE	0.27	U	0.25	U	0.26	U

Notes:

ug/kg - micrograms per kilogram

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**Summary of Total VOCs in Soil
Caemmerer Yard West Investigation**

Table O.2-40

Location ID	SB-H-13		SB-H-13		SB-H-13	
Sample ID	SB-H-13-LIRR-4-6RE		SB-H-13-LIRR-14-16		SB-H-13-LIRR-24-26	
Depth	4-6		14-16		24-26	
Dilution Factor	1.0		1.0		1.0	
Sample Date	9/25/2004		9/26/2004		9/26/2004	
Unit	ug/Kg		ug/Kg		ug/Kg	
1,1,1-TRICHLOROETHANE	0.3	U	0.35	U	0.44	U
1,1,2,2-TETRACHLOROETHANE	0.59	U	0.68	U	0.85	U
1,1,2-TRICHLOROETHANE	0.57	U	0.65	U	0.82	U
1,1-DICHLOROETHANE	0.4	U	0.45	U	0.57	U
1,1-DICHLOROETHYLENE	0.24	U	0.28	U	0.35	U
1,2-DICHLOROETHANE	3.5	U	3.9	U	5	U
1,2-DICHLOROPROPANE	0.38	U	0.43	U	0.54	U
METHYL ETHYL KETON (MEK)	2.6	U	2.9	U	3.7	U
4-METHYL-2-PENTANONE	2.7	U	3.1	U	3.9	U
ACETONE	27	J	12	J	31	J
BENZENE	0.23	U	0.26	U	0.33	U
BROMODICHLOROMETHANE	0.37	U	0.43	U	0.54	U
BROMOMETHANE	0.8	U	0.91	U	1.1	U
CARBON DISULFIDE	2	J	0.13	U	0.16	U
CARBON TETRACHLORIDE	0.33	U	0.38	U	0.48	U
CHLOROETHANE	0.4	U	0.45	U	0.57	U
CHLORODIBROMOMETHANE	0.33	U	0.37	U	0.47	U
CHLOROETHANE	0.59	U	0.67	U	0.85	U
CHLOROFORM	0.27	U	0.3	U	0.38	U
CHLOROMETHANE	0.37	U	0.42	U	0.53	U
CIS-1,2-DICHLOROETHENE	0.4	U	0.45	U	0.57	U
CIS-1,3-DICHLOROPROPENE	0.22	U	0.25	U	0.31	U
DICHLOROMETHANE	0.76	U	1.8	J	2	J
ETHYLBENZENE	0.28	U	0.32	U	0.4	U
M/P-XYLENE (a)	0.58	U	0.66	U	0.83	U
O-XYLENE (b)	0.49	U	0.55	U	0.7	U
TOTAL XYLENES (a+b)	-		-		-	
METHYL N-BUTYL KETONE	3.6	U	4.1	U	5.2	U
METHYLBENZENE	0.29	U	0.33	U	0.42	U
STYRENE (MONOMER)	0.35	U	0.4	U	0.5	U
TETRACHLOROETHENE	0.71	U	0.81	U	1	U
TRANS-1,2-DICHLOROETHENE	0.42	U	0.48	U	0.6	U
TRANS-1,3-DICHLOROPROPENE	0.29	U	0.33	U	0.41	U
TRIBOMOMETHANE	0.34	U	0.38	U	0.48	U
TRICHLOROETHYLENE	0.36	U	0.41	U	0.52	U
VINYL CHLORIDE	0.26	U	0.3	U	0.38	U

Notes:

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D - Indicates the compound identified in an analysis at a secondary dilution factor.

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**Summary of Total VOCs in Soil
Caemmerer Yard West Investigation**

Table O.2-40

Location ID	SB-H-15		SB-H-15		SB-H-15	
Sample ID	SB-H-15-LIRR-2-3		SB-H-15-LIRR-6-8		DUP-1-09-26-04	
Depth	2-3		6-8		6-8	
Dilution Factor	1.0		1.0		1.0	
Sample Date	9/25/2004		9/26/2004		9/26/2004	
Unit	ug/Kg		ug/Kg		ug/Kg	
1,1,1-TRICHLOROETHANE	0.31	U	0.34	U	0.34	U
1,1,2,2-TETRACHLOROETHANE	0.61	U	0.66	U	0.67	U
1,1,2-TRICHLOROETHANE	0.58	U	0.63	U	0.64	U
1,1-DICHLOROETHANE	0.41	U	0.44	U	0.45	U
1,1-DICHLOROETHYLENE	0.25	U	0.27	U	0.27	U
1,2-DICHLOROETHANE	3.5	U	3.8	U	3.9	U
1,2-DICHLOROPROPANE	0.39	U	0.42	U	0.42	U
METHYL ETHYL KETON (MEK)	2.6	U	2.8	U	2.9	U
4-METHYL-2-PENTANONE	2.8	U	3	U	3	U
ACETONE	24	J	11	J	16	J
BENZENE	0.23	U	31		47	
BROMODICHLOROMETHANE	0.38	U	0.42	U	0.42	U
BROMOMETHANE	0.81	U	0.88	U	0.9	U
CARBON DISULFIDE	0.12	U	2.9	J	2.8	J
CARBON TETRACHLORIDE	0.34	U	0.37	U	0.38	U
CHLOROETHANE	0.4	U	0.44	U	0.45	U
CHLORODIBROMOMETHANE	0.33	U	0.36	U	0.37	U
CHLOROETHANE	0.6	U	0.66	U	0.66	U
CHLOROFORM	0.27	U	0.3	U	0.3	U
CHLOROMETHANE	0.38	U	0.41	U	0.42	U
CIS-1,2-DICHLOROETHENE	0.4	U	0.44	U	0.45	U
CIS-1,3-DICHLOROPROPENE	0.22	U	0.24	U	0.25	U
DICHLOROMETHANE	1.7	J	1.6	J	1.6	J
ETHYLBENZENE	0.29	U	0.31	U	0.32	U
M/P-XYLENE (a)	0.59	U	0.64	U	0.65	U
O-XYLENE (b)	0.5	U	0.54	U	0.55	U
TOTAL XYLENES (a+b)	-		-		-	
METHYL N-BUTYL KETONE	3.7	U	4	U	4	U
METHYLBENZENE	0.3	U	3.1	J	4.6	J
STYRENE (MONOMER)	0.36	U	0.39	U	0.4	U
TETRACHLOROETHENE	0.73	U	0.79	U	0.8	U
TRANS-1,2-DICHLOROETHENE	0.43	U	0.46	U	0.47	U
TRANS-1,3-DICHLOROPROPENE	0.29	U	0.32	U	0.32	U
TRIBOMOMETHANE	0.34	U	0.37	U	0.38	U
TRICHLOROETHYLENE	0.37	U	0.4	U	0.41	U
VINYL CHLORIDE	0.27	U	0.29	U	0.3	U

Notes:

ug/kg - micrograms per kilogram

DUP - denotes field duplicate of preceding sample

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J - Indicates an estimated value

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**Summary of Total VOCs in Soil
Caemmerer Yard West Investigation**

Table O.2-40

Location ID	SB-H-15		SB-H-18		SB-H-18	
Sample ID	SB-H-15-LIRR-10-11		SB-H-18-LIRR-2-4		SB-H-18-LIRR-4-6	
Depth	10-11		2-4		4-6	
Dilution Factor	1.0		1.0		1.0	
Sample Date	9/26/2004		9/26/2004		9/28/2004	
Unit	ug/Kg		ug/Kg		ug/Kg	
1,1,1-TRICHLOROETHANE	0.33	U	0.28	U	0.3	U
1,1,2,2-TETRACHLOROETHANE	0.65	U	0.55	U	0.58	U
1,1,2-TRICHLOROETHANE	0.62	U	0.53	U	0.56	U
1,1-DICHLOROETHANE	0.44	U	0.37	U	0.39	U
1,1-DICHLOROETHYLENE	0.27	U	0.22	U	0.24	U
1,2-DICHLOROETHANE	3.8	U	3.2	U	3.4	U
1,2-DICHLOROPROPANE	0.41	U	0.35	U	0.37	U
METHYL ETHYL KETON (MEK)	2.8	U	2.4	U	2.5	U
4-METHYL-2-PENTANONE	3	U	2.5	U	2.6	U
ACETONE	30	J	7.8	U	120	
BENZENE	0.25	U	0.21	U	1.9	J
BROMODICHLOROMETHANE	0.41	U	0.35	U	0.37	U
BROMOMETHANE	0.87	U	0.74	U	0.78	U
CARBON DISULFIDE	0.12	U	0.11	U	110	
CARBON TETRACHLORIDE	0.37	U	0.31	U	0.33	U
CHLOROENZENE	0.43	U	0.37	U	0.39	U
CHLORODIBROMOMETHANE	0.36	U	0.3	U	0.32	U
CHLOROETHANE	0.65	U	0.55	U	0.58	U
CHLOROFORM	0.29	U	0.25	U	0.26	U
CHLOROMETHANE	0.41	U	0.34	U	0.36	U
CIS-1,2-DICHLOROETHENE	0.43	U	0.37	U	0.39	U
CIS-1,3-DICHLOROPROPENE	0.24	U	0.2	U	0.21	U
DICHLOROMETHANE	1.3	J	1.5	J	1.7	JB
ETHYLBENZENE	0.31	U	0.26	U	0.27	U
M/P-XYLENE (a)	0.63	U	0.54	U	0.56	U
O-XYLENE (b)	0.53	U	0.45	U	0.47	U
TOTAL XYLENES (a+b)	-		-		-	
METHYL N-BUTYL KETONE	3.9	U	3.3	U	3.5	U
METHYLBENZENE	0.32	U	0.27	U	0.28	U
STYRENE (MONOMER)	0.39	U	0.33	U	0.34	U
TETRACHLOROETHENE	0.78	U	0.66	U	0.7	U
TRANS-1,2-DICHLOROETHENE	0.46	U	0.39	U	0.41	U
TRANS-1,3-DICHLOROPROPENE	0.32	U	0.27	U	0.28	U
TRIBOMOMETHANE	0.37	U	0.31	U	0.33	U
TRICHLOROETHYLENE	0.4	U	0.33	U	0.35	U
VINYL CHLORIDE	0.29	U	0.24	U	0.26	U

Notes:

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**Summary of Total VOCs in Soil
Caemmerer Yard West Investigation**

Table O.2-40

Location ID	SB-H-18		SB-H-18		SB-H-18	
Sample ID	SB-H-18-LIRR-4-6RE		SB-H-18-LIRR-12-14		SB-H-18-LIRR-12-14RE	
Depth	4-6		12-14		12-14	
Dilution Factor	1.0		1.0		1.0	
Sample Date	9/28/2004		9/28/2004		9/28/2004	
Unit	ug/Kg		ug/Kg		ug/Kg	
1,1,1-TRICHLOROETHANE	0.3	U	0.37	U	0.37	U
1,1,2,2-TETRACHLOROETHANE	0.58	U	0.72	U	0.72	U
1,1,2-TRICHLOROETHANE	0.56	U	0.69	U	0.69	U
1,1-DICHLOROETHANE	0.39	U	0.48	U	0.48	U
1,1-DICHLOROETHYLENE	0.24	U	0.29	U	0.29	U
1,2-DICHLOROETHANE	3.4	U	4.2	U	4.2	U
1,2-DICHLOROPROPANE	0.37	U	0.46	U	0.46	U
METHYL ETHYL KETON (MEK)	2.5	U	3.1	U	3.1	U
4-METHYL-2-PENTANONE	2.6	U	3.3	U	3.3	U
ACETONE	160		30	J	25	J
BENZENE	3.8	J	0.28	U	0.28	U
BROMODICHLOROMETHANE	0.37	U	0.46	U	0.46	U
BROMOMETHANE	0.78	U	0.97	U	0.97	U
CARBON DISULFIDE	170		1.9	J	2.4	J
CARBON TETRACHLORIDE	0.33	U	0.41	U	0.41	U
CHLOROETHANE	0.39	U	0.48	U	0.48	U
CHLORODIBROMOMETHANE	0.32	U	0.4	U	0.4	U
CHLOROETHANE	0.58	U	0.72	U	0.72	U
CHLOROFORM	0.26	U	0.32	U	0.32	U
CHLOROMETHANE	0.36	U	0.45	U	0.45	U
CIS-1,2-DICHLOROETHENE	0.39	U	0.48	U	0.48	U
CIS-1,3-DICHLOROPROPENE	0.21	U	0.27	U	0.27	U
DICHLOROMETHANE	6	B	0.93	U	3	JB
ETHYLBENZENE	0.27	U	0.34	U	0.34	U
M/P-XYLENE (a)	0.56	U	0.7	U	0.7	U
O-XYLENE (b)	1.9	J	0.59	U	0.59	U
TOTAL XYLENES (a+b)	1.9		-		-	
METHYL N-BUTYL KETONE	3.5	U	4.4	U	4.4	U
METHYLBENZENE	0.28	U	0.35	U	0.35	U
STYRENE (MONOMER)	0.34	U	0.43	U	0.43	U
TETRACHLOROETHENE	0.7	U	0.87	U	0.87	U
TRANS-1,2-DICHLOROETHENE	0.41	U	0.51	U	0.51	U
TRANS-1,3-DICHLOROPROPENE	0.28	U	0.35	U	0.35	U
TRIBOMOMETHANE	0.33	U	0.41	U	0.41	U
TRICHLOROETHYLENE	0.35	U	0.44	U	0.44	U
VINYL CHLORIDE	0.26	U	0.32	U	0.32	U

Notes:

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**Summary of Total VOCs in Soil
Caemmerer Yard West Investigation**

Table O.2-40

Location ID	SB-H-18	E-23	E-23A
Sample ID	SB-H-18-LIRR-20-22	E-23-LIRR-1-2	E-23A-LIRR-1-3.5
Depth	20-22	1-2	1-3.5
Dilution Factor	1.0	1.0	1.0
Sample Date	9/29/2004	9/21/2004	9/22/04
Unit	ug/Kg	ug/Kg	ug/Kg
1,1,1-TRICHLOROETHANE	0.47 U	0.29 U	0.29 U
1,1,2,2-TETRACHLOROETHANE	0.91 U	0.57 U	0.57 U
1,1,2-TRICHLOROETHANE	0.87 U	0.54 U	0.54 U
1,1-DICHLOROETHANE	0.61 U	0.38 U	0.38 U
1,1-DICHLOROETHYLENE	0.37 U	0.23 U	0.23 U
1,2-DICHLOROETHANE	5.3 U	3.3 U	3.3 U
1,2-DICHLOROPROPANE	0.58 U	0.36 U	0.36 U
METHYL ETHYL KETON (MEK)	9.9 J	2.4 U	2.4 U
4-METHYL-2-PENTANONE	4.1 U	2.6 U	2.6 U
ACETONE	35 J	8 U	8 U
BENZENE	0.35 U	0.22 U	3 J
BROMODICHLOROMETHANE	0.57 U	0.36 U	0.36 U
BROMOMETHANE	1.2 U	0.76 U	0.76 U
CARBON DISULFIDE	0.17 U	0.11 U	4.3 J
CARBON TETRACHLORIDE	0.51 U	0.32 U	0.32 U
CHLOROETHANE	0.61 U	0.38 U	0.38 U
CHLORODIBROMOMETHANE	0.5 U	0.31 U	0.31 U
CHLOROETHANE	0.91 U	0.56 U	0.56 U
CHLOROFORM	0.41 U	0.25 U	0.25 U
CHLOROMETHANE	0.57 U	0.36 U	0.36 U
CIS-1,2-DICHLOROETHENE	0.61 U	0.38 U	0.38 U
CIS-1,3-DICHLOROPROPENE	0.33 U	0.21 U	0.21 U
DICHLOROMETHANE	1.2 U	0.73 U	1.9 J
ETHYLBENZENE	0.43 U	0.27 U	0.27 U
M/P-XYLENE (a)	0.89 U	0.55 U	0.55 U
O-XYLENE (b)	0.74 U	0.46 U	0.46 U
TOTAL XYLENES (a+b)	-	-	-
METHYL N-BUTYL KETONE	5.5 U	3.4 U	3.4 U
METHYLBENZENE	0.45 U	0.28 U	0.28 U
STYRENE (MONOMER)	0.54 U	0.34 U	0.34 U
TETRACHLOROETHENE	1.1 U	0.68 U	0.68 U
TRANS-1,2-DICHLOROETHENE	0.64 U	0.4 U	0.4 U
TRANS-1,3-DICHLOROPROPENE	0.44 U	0.28 U	0.28 U
TRIBOMOMETHANE	0.52 U	0.32 U	0.32 U
TRICHLOROETHYLENE	0.55 U	0.34 U	0.34 U
VINYL CHLORIDE	0.41 U	0.25 U	0.25 U

Notes:

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**Summary of Total VOCs in Soil
Caemmerer Yard West Investigation**

Table O.2-40

Location ID	E-28		E-28		E-28	
Sample ID	E-28-LIRR-2-2.5		E-28-LIRR-4-6		E-28-LIRR-4-6RE	
Depth	2-2.5		4-6		4-6	
Dilution Factor	1.0		1.0		1.0	
Sample Date	9/23/04		9/23/2004		9/23/2004	
Unit	ug/Kg		ug/Kg		ug/Kg	
1,1,1-TRICHLOROETHANE	0.3	U	0.29	U	0.29	U
1,1,2,2-TETRACHLOROETHANE	0.58	U	0.57	U	0.57	U
1,1,2-TRICHLOROETHANE	0.56	U	0.55	U	0.55	U
1,1-DICHLOROETHANE	0.39	U	0.38	U	0.38	U
1,1-DICHLOROETHYLENE	0.24	U	0.23	U	0.23	U
1,2-DICHLOROETHANE	3.4	U	3.3	U	3.3	U
1,2-DICHLOROPROPANE	0.37	U	0.36	U	0.36	U
METHYL ETHYL KETON (MEK)	2.5	U	2.5	U	2.5	U
4-METHYL-2-PENTANONE	2.6	U	2.6	U	2.6	U
ACETONE	8.2	U	26	J	19	J
BENZENE	0.22	U	35		20	
BROMODICHLOROMETHANE	0.37	U	0.36	U	0.36	U
BROMOMETHANE	0.78	U	0.77	U	0.77	U
CARBON DISULFIDE	0.11	U	15		6.6	
CARBON TETRACHLORIDE	0.33	U	0.32	U	0.32	U
CHLOROETHANE	0.39	U	0.38	U	0.38	U
CHLORODIBROMOMETHANE	0.32	U	0.32	U	0.32	U
CHLOROETHANE	0.58	U	0.57	U	0.57	U
CHLOROFORM	0.26	U	0.26	U	0.26	U
CHLOROMETHANE	0.36	U	0.36	U	0.36	U
CIS-1,2-DICHLOROETHENE	0.39	U	0.38	U	0.38	U
CIS-1,3-DICHLOROPROPENE	0.21	U	0.21	U	0.21	U
DICHLOROMETHANE	0.75	U	0.74	U	0.74	U
ETHYLBENZENE	0.27	U	0.27	U	0.27	U
M/P-XYLENE (a)	0.56	U	2.7	J	2.2	J
O-XYLENE (b)	0.47	U	1.5	J	0.47	U
TOTAL XYLENES (a+b)	-		-		2.2	
METHYL N-BUTYL KETONE	3.5	U	3.5	U	3.5	U
METHYLBENZENE	0.28	U	3.8	J	2.2	J
STYRENE (MONOMER)	0.34	U	0.34	U	0.34	U
TETRACHLOROETHENE	0.7	U	0.69	U	0.69	U
TRANS-1,2-DICHLOROETHENE	0.41	U	0.4	U	0.4	U
TRANS-1,3-DICHLOROPROPENE	0.28	U	0.28	U	0.28	U
TRIBOMOMETHANE	0.33	U	0.32	U	0.32	U
TRICHLOROETHYLENE	0.35	U	0.35	U	0.35	U
VINYL CHLORIDE	0.26	U	0.26	U	0.26	U

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**Summary of Total VOCs in Soil
Caemmerer Yard West Investigation**

Table O.2-40

Location ID	E-28		E-28		E-28	
Sample ID	E-28-LIRR-8-9		E-28-LIRR-8-9RE		E-28-LIRR-18-20	
Depth	8-9		8-9		18-20	
Dilution Factor	1.0		1.0		5	
Sample Date	9/23/2004		9/23/2004		9/23/2004	
Unit	ug/Kg		ug/Kg		ug/Kg	
1,1,1-TRICHLOROETHANE	0.34	U	0.34	U	1.8	U
1,1,2,2-TETRACHLOROETHANE	0.66	U	0.66	U	3.4	U
1,1,2-TRICHLOROETHANE	0.63	U	0.63	U	3.3	U
1,1-DICHLOROETHANE	0.44	U	0.44	U	2.3	U
1,1-DICHLOROETHYLENE	0.27	U	0.27	U	1.4	U
1,2-DICHLOROETHANE	3.8	U	3.8	U	20	U
1,2-DICHLOROPROPANE	0.42	U	0.42	U	2.2	U
METHYL ETHYL KETON (MEK)	2.8	U	2.8	U	15	U
4-METHYL-2-PENTANONE	3	U	3	U	16	U
ACETONE	37		34		48	U
BENZENE	130		110		220	
BROMODICHLOROMETHANE	0.42	U	0.42	U	2.2	U
BROMOMETHANE	0.88	U	0.88	U	4.6	U
CARBON DISULFIDE	6.1	J	6.7		10	J
CARBON TETRACHLORIDE	0.37	U	0.37	U	1.9	U
CHLOROBENZENE	0.44	U	0.44	U	2.3	U
CHLORODIBROMOMETHANE	0.36	U	0.36	U	1.9	U
CHLOROETHANE	0.66	U	0.66	U	3.4	U
CHLOROFORM	0.3	U	0.3	U	1.5	U
CHLOROMETHANE	0.41	U	0.41	U	2.1	U
CIS-1,2-DICHLOROETHENE	0.44	U	0.44	U	2.3	U
CIS-1,3-DICHLOROPROPENE	0.24	U	0.24	U	1.3	U
DICHLOROMETHANE	0.85	U	0.85	U	4.4	U
ETHYLBENZENE	0.31	U	0.31	U	7.4	J
M/P-XYLENE (a)	0.64	U	0.64	U	43	
O-XYLENE (b)	0.54	U	0.54	U	22	J
TOTAL XYLENES (a+b)	-		-		65	
METHYL N-BUTYL KETONE	4	U	4	U	21	U
METHYLBENZENE	2.8	J	4.1	J	42	
STYRENE (MONOMER)	0.39	U	0.39	U	2	U
TETRACHLOROETHENE	0.79	U	0.79	U	4.1	U
TRANS-1,2-DICHLOROETHENE	0.46	U	0.46	U	2.4	U
TRANS-1,3-DICHLOROPROPENE	0.32	U	0.32	U	1.7	U
TRIBOMOMETHANE	0.37	U	0.37	U	1.9	U
TRICHLOROETHYLENE	0.4	U	0.4	U	2.1	U
VINYL CHLORIDE	0.29	U	0.29	U	1.5	U

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**Summary of Total VOCs in Soil
Caemmerer Yard West Investigation**

Table O.2-40

Location ID	E-28		E-28		E-35	
Sample ID	E-28-LIRR-26-28		E-28-LIRR-32-34		E-35-LIRR-0-2	
Depth	26-28		32-34		0-2	
Dilution Factor	1.0		1.0		1.0	
Sample Date	9/23/2004		9/23/2004		9/30/2004	
Unit	ug/Kg		ug/Kg		ug/Kg	
1,1,1-TRICHLOROETHANE	0.47	U	0.44	U	0.29	U
1,1,2,2-TETRACHLOROETHANE	0.91	U	0.87	U	0.57	U
1,1,2-TRICHLOROETHANE	0.87	U	0.83	U	0.54	U
1,1-DICHLOROETHANE	0.61	U	0.58	U	0.38	U
1,1-DICHLOROETHYLENE	0.37	U	0.35	U	0.23	U
1,2-DICHLOROETHANE	5.3	U	5	U	3.3	U
1,2-DICHLOROPROPANE	0.58	U	0.55	U	0.36	U
METHYL ETHYL KETON (MEK)	3.9	U	3.7	U	2.4	U
4-METHYL-2-PENTANONE	4.1	U	3.9	U	2.6	U
ACETONE	67		41		8	U
BENZENE	0.35	U	0.33	U	0.22	U
BROMODICHLOROMETHANE	0.57	U	0.55	U	0.36	U
BROMOMETHANE	1.2	U	1.2	U	0.76	U
CARBON DISULFIDE	0.17	U	0.17	U	0.11	U
CARBON TETRACHLORIDE	0.51	U	0.49	U	0.32	U
CHLOROETHANE	0.61	U	0.58	U	0.38	U
CHLORODIBROMOMETHANE	0.5	U	0.48	U	0.31	U
CHLOROETHANE	0.91	U	0.86	U	0.56	U
CHLOROFORM	0.41	U	0.39	U	0.25	U
CHLOROMETHANE	0.57	U	0.54	U	0.36	U
CIS-1,2-DICHLOROETHENE	0.61	U	0.58	U	0.38	U
CIS-1,3-DICHLOROPROPENE	0.33	U	0.32	U	0.21	U
DICHLOROMETHANE	1.2	U	1.1	U	0.73	U
ETHYLBENZENE	0.43	U	0.41	U	0.27	U
M/P-XYLENE (a)	0.89	U	0.84	U	0.55	U
O-XYLENE (b)	0.74	U	0.71	U	0.46	U
TOTAL XYLENES (a+b)	-		-		-	
METHYL N-BUTYL KETONE	5.5	U	5.2	U	3.4	U
METHYLBENZENE	0.45	U	0.42	U	0.28	U
STYRENE (MONOMER)	0.54	U	0.51	U	0.34	U
TETRACHLOROETHENE	1.1	U	1	U	0.68	U
TRANS-1,2-DICHLOROETHENE	0.64	U	0.61	U	0.4	U
TRANS-1,3-DICHLOROPROPENE	0.44	U	0.42	U	0.28	U
TRIBOMOMETHANE	0.52	U	0.49	U	0.32	U
TRICHLOROETHYLENE	0.55	U	0.52	U	0.34	U
VINYL CHLORIDE	0.41	U	0.39	U	0.25	U

Notes:

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B - Indicates the analyte was found in the blank

D - Indicates the compound identified in an analysis at a secondary dilution factor.

E - Indicates the analyte's concentration exceeds the calibration range of the instrument for that specific analysis

**Summary of Total VOCs in Soil
Caemmerer Yard West Investigation**

Table O.2-40

Location ID	E-35		E-35		E-35	
Sample ID	E-35-LIRR-2-4		E-35-LIRR-6-8		E-35-LIRR-6-8RE	
Depth	2-4		6-8		6-8	
Dilution Factor	1.0		1.0		1.0	
Sample Date	9/30/2004		10/1/04		10/1/04	
Unit	ug/Kg		ug/Kg		ug/Kg	
1,1,1-TRICHLOROETHANE	0.3	U	0.35	U	0.35	U
1,1,2,2-TETRACHLOROETHANE	0.58	U	0.68	U	0.68	U
1,1,2-TRICHLOROETHANE	0.56	U	0.65	U	0.65	U
1,1-DICHLOROETHANE	0.39	U	0.45	U	0.45	U
1,1-DICHLOROETHYLENE	0.24	U	0.28	U	0.28	U
1,2-DICHLOROETHANE	3.4	U	3.9	U	3.9	U
1,2-DICHLOROPROPANE	0.37	U	0.43	U	0.43	U
METHYL ETHYL KETON (MEK)	2.5	U	2.9	U	2.9	U
4-METHYL-2-PENTANONE	2.6	U	3.1	U	3.1	U
ACETONE	8.2	U	9.6	U	15	J
BENZENE	0.22	U	0.26	U	0.26	U
BROMODICHLOROMETHANE	0.37	U	0.43	U	0.43	U
BROMOMETHANE	0.78	U	0.91	U	0.91	U
CARBON DISULFIDE	0.11	U	0.13	U	3.7	J
CARBON TETRACHLORIDE	0.33	U	0.38	U	0.38	U
CHLOROETHANE	0.39	U	0.45	U	0.45	U
CHLORODIBROMOMETHANE	0.32	U	0.37	U	0.37	U
CHLOROETHANE	0.58	U	0.67	U	0.67	U
CHLOROFORM	0.26	U	0.3	U	0.3	U
CHLOROMETHANE	0.36	U	0.42	U	0.42	U
CIS-1,2-DICHLOROETHENE	0.39	U	0.45	U	0.45	U
CIS-1,3-DICHLOROPROPENE	0.21	U	0.25	U	0.25	U
DICHLOROMETHANE	0.75	U	5.4	J	0.87	U
ETHYLBENZENE	0.27	U	0.32	U	0.32	U
M/P-XYLENE (a)	0.56	U	1.5	J	1.8	J
O-XYLENE (b)	0.47	U	0.55	U	0.55	U
TOTAL XYLENES (a+b)	-		1.5		1.8	
METHYL N-BUTYL KETONE	3.5	U	4.1	U	4.1	U
METHYLBENZENE	0.28	U	0.33	U	0.33	U
STYRENE (MONOMER)	0.34	U	0.4	U	0.4	U
TETRACHLOROETHENE	0.7	U	0.81	U	0.81	U
TRANS-1,2-DICHLOROETHENE	0.41	U	0.48	U	0.48	U
TRANS-1,3-DICHLOROPROPENE	0.28	U	0.33	U	0.33	U
TRIBOMOMETHANE	0.33	U	0.38	U	0.38	U
TRICHLOROETHYLENE	0.35	U	0.41	U	0.41	U
VINYL CHLORIDE	0.26	U	0.3	U	0.3	U

Notes:

- ug/kg - micrograms per kilogram
- DUP - denotes field duplicate of preceding sample
- U - Indicates the compound was analyzed for but was not detected
- J - Indicates an estimated value
- B - Indicates the analyte was found in the blank
- D - Indicates the compound identified in an analysis at a secondary dilution factor.
- E - Indicates the analyte's concentration exceeds the calibration range of the instrument for that specific analysis

**Summary of Total VOCs in Soil
Caemmerer Yard West Investigation**

Table O.2-40

Location ID	E-35		E-35		E-37	
Sample ID	E-35-LIRR-10-12		E-35-LIRR-10-12RE		E-37-LIRR-2-4	
Depth	10-12		10-12		2-4	
Dilution Factor	1.0		1.0		1.0	
Sample Date	10/1/04		10/1/04		9/30/2004	
Unit	ug/Kg		ug/Kg		ug/Kg	
1,1,1-TRICHLOROETHANE	0.36	U	0.36	U	0.29	U
1,1,2,2-TETRACHLOROETHANE	0.71	U	0.71	U	0.56	U
1,1,2-TRICHLOROETHANE	0.67	U	0.67	U	0.53	U
1,1-DICHLOROETHANE	0.47	U	0.47	U	0.37	U
1,1-DICHLOROETHYLENE	0.29	U	0.29	U	0.23	U
1,2-DICHLOROETHANE	4.1	U	4.1	U	3.2	U
1,2-DICHLOROPROPANE	0.45	U	0.45	U	0.35	U
METHYL ETHYL KETON (MEK)	3	U	3	U	2.4	U
4-METHYL-2-PENTANONE	3.2	U	3.2	U	2.5	U
ACETONE	9.9	U	9.9	U	7.9	U
BENZENE	0.27	U	0.27	U	0.21	U
BROMODICHLOROMETHANE	0.44	U	0.44	U	0.35	U
BROMOMETHANE	0.94	U	0.94	U	0.75	U
CARBON DISULFIDE	0.13	U	0.13	U	0.11	U
CARBON TETRACHLORIDE	0.4	U	0.4	U	0.31	U
CHLOROETHYLENE	0.47	U	0.47	U	0.37	U
CHLORODIBROMOMETHANE	0.39	U	0.39	U	0.31	U
CHLOROETHANE	0.7	U	0.7	U	0.55	U
CHLOROFORM	0.32	U	0.32	U	0.25	U
CHLOROMETHANE	0.44	U	0.44	U	0.35	U
CIS-1,2-DICHLOROETHENE	0.47	U	0.47	U	0.37	U
CIS-1,3-DICHLOROPROPENE	0.26	U	0.26	U	0.2	U
DICHLOROMETHANE	0.91	U	0.91	U	0.72	U
ETHYLBENZENE	0.33	U	0.33	U	0.26	U
M/P-XYLENE (a)	0.69	U	0.69	U	0.54	U
O-XYLENE (b)	0.58	U	0.58	U	0.45	U
TOTAL XYLENES (a+b)	-		-		-	
METHYL N-BUTYL KETONE	4.3	U	4.3	U	3.4	U
METHYLBENZENE	0.35	U	0.35	U	0.27	U
STYRENE (MONOMER)	0.42	U	0.42	U	0.33	U
TETRACHLOROETHENE	0.85	U	0.85	U	0.67	U
TRANS-1,2-DICHLOROETHENE	0.49	U	0.49	U	0.39	U
TRANS-1,3-DICHLOROPROPENE	0.34	U	0.34	U	0.27	U
TRIBOMOMETHANE	0.4	U	0.4	U	0.31	U
TRICHLOROETHYLENE	0.43	U	0.43	U	0.34	U
VINYL CHLORIDE	0.31	U	0.31	U	0.25	U

Notes:

ug/kg - micrograms per kilogram

DUP - denotes field duplicate of preceding sample

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

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D - Indicates the compound identified in an analysis at a secondary dilution factor.

E - Indicates the analyte's concentration exceeds the calibration range of the instrument for that specific analysis

**Summary of Total VOCs in Soil
Caemmerer Yard West Investigation**

Table O.2-40

Location ID	E-37		E-37		E-37	
Sample ID	E-37-LIRR-6-8		E-37-LIRR-6-8RE		E-37-LIRR-16-18	
Depth	6-8		6-8		16-18	
Dilution Factor	1.0		1.0		1.0	
Sample Date	9/29/2004		9/29/2004		9/30/2004	
Unit	ug/Kg		ug/Kg		ug/Kg	
1,1,1-TRICHLOROETHANE	0.31	U	0.31	U	0.32	U
1,1,2,2-TETRACHLOROETHANE	0.6	U	0.6	U	0.62	U
1,1,2-TRICHLOROETHANE	0.57	U	0.57	U	0.59	U
1,1-DICHLOROETHANE	0.4	U	0.4	U	0.41	U
1,1-DICHLOROETHYLENE	0.24	U	0.24	U	0.25	U
1,2-DICHLOROETHANE	3.5	U	3.5	U	3.6	U
1,2-DICHLOROPROPANE	0.38	U	0.38	U	0.39	U
METHYL ETHYL KETON (MEK)	2.6	U	2.6	U	6.1	J
4-METHYL-2-PENTANONE	2.7	U	2.7	U	2.8	U
ACETONE	33		22	J	20	J
BENZENE	5.3	J	3	J	0.23	U
BROMODICHLOROMETHANE	0.38	U	0.38	U	0.39	U
BROMOMETHANE	0.8	U	0.8	U	0.82	U
CARBON DISULFIDE	8.3		6.7		0.12	U
CARBON TETRACHLORIDE	0.34	U	0.34	U	0.35	U
CHLOROETHANE	0.4	U	0.4	U	0.41	U
CHLORODIBROMOMETHANE	0.33	U	0.33	U	0.34	U
CHLOROETHANE	0.6	U	0.6	U	0.61	U
CHLOROFORM	0.27	U	0.27	U	0.28	U
CHLOROMETHANE	0.38	U	0.38	U	0.38	U
CIS-1,2-DICHLOROETHENE	0.4	U	0.4	U	0.41	U
CIS-1,3-DICHLOROPROPENE	0.22	U	0.22	U	0.23	U
DICHLOROMETHANE	0.77	U	0.77	U	0.79	U
ETHYLBENZENE	0.28	U	0.28	U	0.29	U
M/P-XYLENE (a)	2.9	J	1.5	J	0.6	U
O-XYLENE (b)	1.9	J	0.49	U	0.5	U
TOTAL XYLENES (a+b)	4.8		1.5		-	
METHYL N-BUTYL KETONE	3.6	U	3.6	U	3.7	U
METHYLBENZENE	2.6	J	1.6	J	0.3	U
STYRENE (MONOMER)	0.36	U	0.36	U	0.36	U
TETRACHLOROETHENE	0.72	U	0.72	U	0.74	U
TRANS-1,2-DICHLOROETHENE	0.42	U	0.42	U	0.43	U
TRANS-1,3-DICHLOROPROPENE	0.29	U	0.29	U	0.3	U
TRIBOMOMETHANE	0.34	U	0.34	U	0.35	U
TRICHLOROETHYLENE	0.36	U	0.36	U	0.37	U
VINYL CHLORIDE	0.27	U	0.27	U	0.27	U

Notes:

ug/kg - micrograms per kilogram

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**Summary of Total VOCs in Soil
Caemmerer Yard West Investigation**

Table O.2-40

Location ID	E-37		E-50		E-50	
Sample ID	E-37-LIRR-20-22		E-50-LIRR-2-4		E-50-LIRR-4-6	
Depth	20-22		2-4		4-6	
Dilution Factor	1.0		1.0		1.0	
Sample Date	9/30/2004		9/23/2004		9/23/2004	
Unit	ug/Kg		ug/Kg		ug/Kg	
1,1,1-TRICHLOROETHANE	0.32	U	0.28	U	0.29	U
1,1,2,2-TETRACHLOROETHANE	0.63	U	0.55	U	0.56	U
1,1,2-TRICHLOROETHANE	0.6	U	0.52	U	0.53	U
1,1-DICHLOROETHANE	0.42	U	0.36	U	0.37	U
1,1-DICHLOROETHYLENE	0.26	U	0.22	U	0.23	U
1,2-DICHLOROETHANE	3.7	U	3.2	U	3.2	U
1,2-DICHLOROPROPANE	0.4	U	0.35	U	0.35	U
METHYL ETHYL KETON (MEK)	2.7	U	2.3	U	2.4	U
4-METHYL-2-PENTANONE	2.9	U	2.5	U	2.5	U
ACETONE	13	J	7.7	U	7.9	U
BENZENE	0.24	U	0.21	U	0.21	U
BROMODICHLOROMETHANE	0.4	U	0.34	U	0.35	U
BROMOMETHANE	0.84	U	0.73	U	0.75	U
CARBON DISULFIDE	0.12	U	0.1	U	0.11	U
CARBON TETRACHLORIDE	0.35	U	0.31	U	0.31	U
CHLOROENZENE	0.42	U	0.36	U	0.37	U
CHLORODIBROMOMETHANE	0.35	U	0.3	U	0.31	U
CHLOROETHANE	0.62	U	0.54	U	0.55	U
CHLOROFORM	0.28	U	0.24	U	0.25	U
CHLOROMETHANE	0.39	U	0.34	U	0.35	U
CIS-1,2-DICHLOROETHENE	0.42	U	0.36	U	0.37	U
CIS-1,3-DICHLOROPROPENE	0.23	U	0.2	U	0.2	U
DICHLOROMETHANE	0.81	U	0.7	U	0.72	U
ETHYLBENZENE	0.3	U	0.26	U	0.26	U
M/P-XYLENE (a)	0.61	U	0.53	U	0.54	U
O-XYLENE (b)	0.51	U	0.45	U	0.45	U
TOTAL XYLENES (a+b)	-		-		-	
METHYL N-BUTYL KETONE	3.8	U	3.3	U	3.4	U
METHYLBENZENE	0.31	U	0.27	U	0.27	U
STYRENE (MONOMER)	0.37	U	0.32	U	0.33	U
TETRACHLOROETHENE	0.76	U	0.65	U	0.67	U
TRANS-1,2-DICHLOROETHENE	0.44	U	0.38	U	0.39	U
TRANS-1,3-DICHLOROPROPENE	0.3	U	0.26	U	0.27	U
TRIBOMOMETHANE	0.36	U	0.31	U	0.31	U
TRICHLOROETHYLENE	0.38	U	0.33	U	0.34	U
VINYL CHLORIDE	0.28	U	0.24	U	0.25	U

Notes:

ug/kg - micrograms per kilogram

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

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D - Indicates the compound identified in an analysis at a secondary dilution factor.

E - Indicates the analyte's concentration exceeds the calibration range of the instrument for that specific analysis

**Summary of Total VOCs in Soil
Caemmerer Yard West Investigation**

Table O.2-40

Location ID	E-50		E-50		E-51	
Sample ID	E-50-LIRR-10-12		E-50-LIRR-24-26		E-51-LIRR-2-3	
Depth	10-12		24-26		2-3	
Dilution Factor	1.0		1.0		1.0	
Sample Date	9/23/2004		9/23/2004		9/23/2004	
Unit	ug/Kg		ug/Kg		ug/Kg	
1,1,1-TRICHLOROETHANE	0.34	U	0.42	U	0.28	U
1,1,2,2-TETRACHLOROETHANE	0.66	U	0.81	U	0.55	U
1,1,2-TRICHLOROETHANE	0.63	U	0.78	U	0.53	U
1,1-DICHLOROETHANE	0.44	U	0.54	U	0.37	U
1,1-DICHLOROETHYLENE	0.27	U	0.33	U	0.22	U
1,2-DICHLOROETHANE	3.8	U	4.7	U	3.2	U
1,2-DICHLOROPROPANE	0.42	U	0.52	U	0.35	U
METHYL ETHYL KETON (MEK)	2.8	U	3.5	U	2.4	U
4-METHYL-2-PENTANONE	3	U	3.7	U	2.5	U
ACETONE	19	J	40		7.8	U
BENZENE	0.25	U	0.31	U	0.21	U
BROMODICHLOROMETHANE	0.42	U	0.51	U	0.35	U
BROMOMETHANE	0.88	U	1.1	U	0.74	U
CARBON DISULFIDE	3.7	J	0.16	U	0.11	U
CARBON TETRACHLORIDE	0.37	U	0.46	U	0.31	U
CHLOROETHANE	0.44	U	0.54	U	0.37	U
CHLORODIBROMOMETHANE	0.36	U	0.45	U	0.3	U
CHLOROETHANE	0.66	U	0.81	U	0.55	U
CHLOROFORM	0.3	U	0.36	U	0.25	U
CHLOROMETHANE	0.41	U	0.51	U	0.34	U
CIS-1,2-DICHLOROETHENE	0.44	U	0.54	U	0.37	U
CIS-1,3-DICHLOROPROPENE	0.24	U	0.3	U	0.2	U
DICHLOROMETHANE	0.85	U	1	U	0.71	U
ETHYLBENZENE	0.31	U	0.38	U	0.26	U
M/P-XYLENE (a)	0.64	U	0.79	U	0.54	U
O-XYLENE (b)	0.54	U	4.4	J	0.45	U
TOTAL XYLENES (a+b)	-		4.4		-	
METHYL N-BUTYL KETONE	4	U	4.9	U	3.3	U
METHYLBENZENE	0.32	U	0.4	U	0.27	U
STYRENE (MONOMER)	0.39	U	0.48	U	0.33	U
TETRACHLOROETHENE	0.79	U	0.98	U	0.66	U
TRANS-1,2-DICHLOROETHENE	0.46	U	0.57	U	0.39	U
TRANS-1,3-DICHLOROPROPENE	0.32	U	0.39	U	0.27	U
TRIBOMOMETHANE	0.37	U	0.46	U	0.31	U
TRICHLOROETHYLENE	0.4	U	0.49	U	0.33	U
VINYL CHLORIDE	0.29	U	0.36	U	0.24	U

Notes:

ug/kg - micrograms per kilogram

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**Summary of Total VOCs in Soil
Caemmerer Yard West Investigation**

Table O.2-40

Location ID	E-51		E-51	
Sample ID	E-51-LIRR-4-6		E-51-LIRR-4-6RE	
Depth	4-6		4-6	
Dilution Factor	1.0		1.0	
Sample Date	9/23/2004		9/23/2004	
Unit	ug/Kg		ug/Kg	
1,1,1-TRICHLOROETHANE	0.3	U	0.3	U
1,1,2,2-TETRACHLOROETHANE	0.59	U	0.59	U
1,1,2-TRICHLOROETHANE	0.56	U	0.56	U
1,1-DICHLOROETHANE	0.39	U	0.39	U
1,1-DICHLOROETHYLENE	0.24	U	0.24	U
1,2-DICHLOROETHANE	3.4	U	3.4	U
1,2-DICHLOROPROPANE	0.37	U	0.37	U
METHYL ETHYL KETON (MEK)	2.5	U	2.5	U
4-METHYL-2-PENTANONE	2.7	U	2.7	U
ACETONE	8.3	U	8.3	U
BENZENE	8.1	U	7.8	U
BROMODICHLOROMETHANE	0.37	U	0.37	U
BROMOMETHANE	0.79	U	0.79	U
CARBON DISULFIDE	4.8	J	6.5	U
CARBON TETRACHLORIDE	0.33	U	0.33	U
CHLOROBENZENE	0.39	U	0.39	U
CHLORODIBROMOMETHANE	0.32	U	0.32	U
CHLOROETHANE	0.58	U	0.58	U
CHLOROFORM	0.26	U	0.26	U
CHLOROMETHANE	0.37	U	0.37	U
CIS-1,2-DICHLOROETHENE	0.39	U	0.39	U
CIS-1,3-DICHLOROPROPENE	0.22	U	0.22	U
DICHLOROMETHANE	0.76	U	0.76	U
ETHYLBENZENE	0.28	U	0.28	U
M/P-XYLENE (a)	0.57	U	0.57	U
O-XYLENE (b)	0.48	U	0.48	U
TOTAL XYLENES (a+b)	-		-	
METHYL N-BUTYL KETONE	3.6	U	3.6	U
METHYLBENZENE	0.29	U	0.29	U
STYRENE (MONOMER)	0.35	U	0.35	U
TETRACHLOROETHENE	0.71	U	0.71	U
TRANS-1,2-DICHLOROETHENE	0.41	U	0.41	U
TRANS-1,3-DICHLOROPROPENE	0.28	U	0.28	U
TRIBOMOMETHANE	0.33	U	0.33	U
TRICHLOROETHYLENE	0.36	U	0.36	U
VINYL CHLORIDE	0.26	U	0.26	U

Notes:

ug/kg - micrograms per kilogram

DUP - denotes field duplicate of preceding sample

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

J - Indicates an estimated value

B - Indicates the analyte was found in the blank

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**Summary of Total VOCs in Soil
Caemmerer Yard West Investigation**

Table O.2-40

Location ID	E-51		E-51		E-51	
Sample ID	E-51-LIRR-7-8		E-51-LIRR-7-8RE		E-51-LIRR-16-19	
Depth	7-8		7-8		16-19	
Dilution Factor	1.0		1.0		1.0	
Sample Date	9/23/2004		9/23/2004		9/23/2004	
Unit	ug/Kg		ug/Kg		ug/Kg	
1,1,1-TRICHLOROETHANE	0.32	U	0.32	U	0.44	U
1,1,2,2-TETRACHLOROETHANE	0.62	U	0.62	U	0.87	U
1,1,2-TRICHLOROETHANE	0.59	U	0.59	U	0.83	U
1,1-DICHLOROETHANE	0.41	U	0.41	U	0.58	U
1,1-DICHLOROETHYLENE	0.25	U	0.25	U	0.35	U
1,2-DICHLOROETHANE	3.6	U	3.6	U	5	U
1,2-DICHLOROPROPANE	0.39	U	0.39	U	0.55	U
METHYL ETHYL KETON (MEK)	2.6	U	2.6	U	3.7	U
4-METHYL-2-PENTANONE	2.8	U	2.8	U	3.9	U
ACETONE	44		39		36	J
BENZENE	0.23	U	0.23	U	0.33	U
BROMODICHLOROMETHANE	0.39	U	0.39	U	0.55	U
BROMOMETHANE	0.82	U	0.82	U	1.2	U
CARBON DISULFIDE	3.9	J	3.7	J	0.17	U
CARBON TETRACHLORIDE	0.35	U	0.35	U	0.49	U
CHLOROETHANE	0.41	U	0.41	U	0.58	U
CHLORODIBROMOMETHANE	0.34	U	0.34	U	0.48	U
CHLOROETHANE	0.61	U	0.61	U	0.86	U
CHLOROFORM	0.28	U	0.28	U	0.39	U
CHLOROMETHANE	0.38	U	0.38	U	0.54	U
CIS-1,2-DICHLOROETHENE	0.41	U	0.41	U	0.58	U
CIS-1,3-DICHLOROPROPENE	0.23	U	0.23	U	0.32	U
DICHLOROMETHANE	1.5	J	0.79	U	1.1	U
ETHYLBENZENE	0.29	U	0.29	U	0.41	U
M/P-XYLENE (a)	0.6	U	0.6	U	0.84	U
O-XYLENE (b)	0.5	U	0.5	U	0.71	U
TOTAL XYLENES (a+b)	-		-		-	
METHYL N-BUTYL KETONE	3.7	U	3.7	U	5.2	U
METHYLBENZENE	0.3	U	0.3	U	0.42	U
STYRENE (MONOMER)	0.36	U	0.36	U	0.51	U
TETRACHLOROETHENE	0.74	U	0.74	U	1	U
TRANS-1,2-DICHLOROETHENE	0.43	U	0.43	U	0.61	U
TRANS-1,3-DICHLOROPROPENE	0.3	U	0.3	U	0.42	U
TRIBOMOMETHANE	0.35	U	0.35	U	0.49	U
TRICHLOROETHYLENE	0.37	U	0.37	U	0.52	U
VINYL CHLORIDE	0.27	U	0.27	U	0.39	U

Notes:

ug/kg - micrograms per kilogram

DUP - denotes field duplicate of preceding sample

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D - Indicates the compound identified in an analysis at a secondary dilution factor.

E - Indicates the analyte's concentration exceeds the calibration range of the instrument for that specific analysis

**Summary of Total VOCs in Soil
Caemmerer Yard West Investigation**

Table O.2-40

Location ID	E-63		E-63		E-63	
Sample ID	E-63-LIRR-0-2		E-63-LIRR-2-4		E-63-LIRR-14-16	
Depth	0-2		2-4		14-16	
Dilution Factor	1.0		1.0		1.0	
Sample Date	9/4/2004		9/5/2004		9/8/2004	
Unit	ug/Kg		ug/Kg		ug/Kg	
1,1,1-TRICHLOROETHANE	0.31	U	0.31	U	0.33	U
1,1,2,2-TETRACHLOROETHANE	0.6	U	0.6	U	0.64	U
1,1,2-TRICHLOROETHANE	0.57	U	0.57	U	0.61	U
1,1-DICHLOROETHANE	0.4	U	0.4	U	0.43	U
1,1-DICHLOROETHYLENE	0.24	U	0.24	U	0.26	U
1,2-DICHLOROETHANE	3.5	U	3.5	U	3.7	U
1,2-DICHLOROPROPANE	0.38	U	0.38	U	0.4	U
METHYL ETHYL KETON (MEK)	2.6	U	2.6	U	2.7	U
4-METHYL-2-PENTANONE	2.7	U	2.7	U	2.9	U
ACETONE	8.5	U	8.5	U	18	J
BENZENE	0.23	U	0.23	U	1.7	J
BROMODICHLOROMETHANE	0.38	U	0.38	U	0.4	U
BROMOMETHANE	0.8	U	0.8	U	0.85	U
CARBON DISULFIDE	0.11	U	1.2	J	0.12	U
CARBON TETRACHLORIDE	0.34	U	0.34	U	0.36	U
CHLOROETHANE	0.4	U	0.4	U	0.42	U
CHLORODIBROMOMETHANE	0.33	U	0.33	U	0.35	U
CHLOROETHANE	0.6	U	0.6	U	0.63	U
CHLOROFORM	0.27	U	0.27	U	0.29	U
CHLOROMETHANE	0.38	U	0.38	U	0.4	U
CIS-1,2-DICHLOROETHENE	0.4	U	0.4	U	0.42	U
CIS-1,3-DICHLOROPROPENE	0.22	U	0.22	U	0.23	U
DICHLOROMETHANE	0.77	U	2.6	J	1.7	J
ETHYLBENZENE	0.28	U	0.28	U	1.4	J
M/P-XYLENE (a)	0.58	U	0.58	U	4.4	J
O-XYLENE (b)	0.49	U	0.49	U	2.4	J
TOTAL XYLENES (a+b)	-		-		6.8	
METHYL N-BUTYL KETONE	3.6	U	3.6	U	3.9	U
METHYLBENZENE	0.29	U	0.29	U	0.31	U
STYRENE (MONOMER)	0.36	U	0.36	U	0.38	U
TETRACHLOROETHENE	0.72	U	0.72	U	0.77	U
TRANS-1,2-DICHLOROETHENE	0.42	U	0.42	U	0.45	U
TRANS-1,3-DICHLOROPROPENE	0.29	U	0.29	U	0.31	U
TRIBOMOMETHANE	0.34	U	0.34	U	0.36	U
TRICHLOROETHYLENE	0.36	U	0.36	U	0.39	U
VINYL CHLORIDE	0.27	U	0.27	U	0.28	U

Notes:

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**Summary of Total VOCs in Soil
Caemmerer Yard West Investigation**

Table O.2-40

Location ID	E-63		E-63		E-63	
Sample ID	E-63-LIRR-18-20		E-63-LIRR-20-22		E-63-LIRR-20-22DL	
Depth	18-20		20-22		20-22	
Dilution Factor	1.0		1.0		10	
Sample Date	9/8/2004		9/8/2004		9/8/2004	
Unit	ug/Kg		ug/Kg		ug/Kg	
1,1,1-TRICHLOROETHANE	0.33	U	0.33	U	3.3	UD
1,1,2,2-TETRACHLOROETHANE	0.64	U	0.65	U	6.5	UD
1,1,2-TRICHLOROETHANE	0.61	U	0.62	U	6.2	UD
1,1-DICHLOROETHANE	0.43	U	0.43	U	4.3	UD
1,1-DICHLOROETHYLENE	0.26	U	0.26	U	2.6	UD
1,2-DICHLOROETHANE	3.7	U	3.8	U	38	UD
1,2-DICHLOROPROPANE	0.4	U	0.41	U	4.1	UD
METHYL ETHYL KETON (MEK)	2.7	U	2.8	U	28	UD
4-METHYL-2-PENTANONE	2.9	U	2.9	U	29	UD
ACETONE	9	U	140		150	JD
BENZENE	25		120		57	JD
BROMODICHLOROMETHANE	0.4	U	0.41	U	4.1	UD
BROMOMETHANE	0.85	U	0.86	U	8.6	UD
CARBON DISULFIDE	0.12	U	5.4	J	1.2	UD
CARBON TETRACHLORIDE	0.36	U	0.36	U	3.6	UD
CHLOROETHYLENE	0.42	U	0.43	U	4.3	UD
CHLORODIBROMOMETHANE	0.35	U	0.35	U	3.5	UD
CHLOROETHANE	0.63	U	0.64	U	6.4	UD
CHLOROFORM	0.29	U	0.29	U	2.9	UD
CHLOROMETHANE	0.4	U	0.4	U	4	UD
CIS-1,2-DICHLOROETHENE	0.42	U	0.43	U	4.3	UD
CIS-1,3-DICHLOROPROPENE	0.23	U	0.24	U	2.4	UD
DICHLOROMETHANE	2	J	0.83	U	8.3	UD
ETHYLBENZENE	0.3	U	380	E	170	D
M/P-XYLENE (a)	1.6	J	200		120	D
O-XYLENE (b)	0.52	U	200		100	D
TOTAL XYLENES (a+b)	1.6		400		220	
METHYL N-BUTYL KETONE	3.9	U	3.9	U	39	UD
METHYLBENZENE	0.31	U	0.32	U	3.2	UD
STYRENE (MONOMER)	0.38	U	0.38	U	3.8	UD
TETRACHLOROETHENE	0.77	U	0.77	U	7.7	UD
TRANS-1,2-DICHLOROETHENE	0.45	U	0.45	U	4.5	UD
TRANS-1,3-DICHLOROPROPENE	0.31	U	0.31	U	3.1	UD
TRIBOMOMETHANE	0.36	U	0.36	U	3.6	UD
TRICHLOROETHYLENE	0.39	U	0.39	U	3.9	UD
VINYL CHLORIDE	0.28	U	0.29	U	2.9	UD

Notes:

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**Summary of Total VOCs in Soil
Caemmerer Yard West Investigation**

Table O.2-40

Location ID	E-64		E-64		E-64	
Sample ID	E-64-LIRR-1-2		E-64-LIRR-4-6		E-64-LIRR-4-6-A	
Depth	1-2		4-6		4-6	
Dilution Factor	1.0		1.0		1.0	
Sample Date	9/8/2004		9/8/2004		9/18/2004	
Unit	ug/Kg		ug/Kg		ug/Kg	
1,1,1-TRICHLOROETHANE	0.31	U	0.3	U	0.33	U
1,1,2,2-TETRACHLOROETHANE	0.61	U	0.59	U	0.65	U
1,1,2-TRICHLOROETHANE	0.58	U	0.56	U	0.62	U
1,1-DICHLOROETHANE	0.41	U	0.39	U	0.43	U
1,1-DICHLOROETHYLENE	0.25	U	0.24	U	0.26	U
1,2-DICHLOROETHANE	3.5	U	3.4	U	3.8	U
1,2-DICHLOROPROPANE	0.39	U	0.37	U	0.41	U
METHYL ETHYL KETON (MEK)	2.6	U	2.5	U	2.8	U
4-METHYL-2-PENTANONE	2.8	U	2.7	U	2.9	U
ACETONE	8.6	U	29		47	
BENZENE	0.23	U	0.22	U	0.25	U
BROMODICHLOROMETHANE	0.38	U	0.37	U	0.41	U
BROMOMETHANE	0.81	U	0.79	U	0.86	U
CARBON DISULFIDE	0.12	U	0.11	U	7	
CARBON TETRACHLORIDE	0.34	U	0.33	U	0.36	U
CHLOROETHANE	0.4	U	0.39	U	0.43	U
CHLORODIBROMOMETHANE	0.33	U	0.32	U	0.35	U
CHLOROETHANE	0.6	U	0.58	U	0.64	U
CHLOROFORM	1.8	J	0.26	U	0.29	U
CHLOROMETHANE	0.38	U	0.37	U	0.4	U
CIS-1,2-DICHLOROETHENE	0.4	U	0.39	U	0.43	U
CIS-1,3-DICHLOROPROPENE	0.22	U	0.22	U	0.24	U
DICHLOROMETHANE	0.78	U	0.76	U	1.5	J
ETHYLBENZENE	0.29	U	0.28	U	0.3	U
M/P-XYLENE (a)	0.59	U	0.57	U	0.63	U
O-XYLENE (b)	0.5	U	0.48	U	0.53	U
TOTAL XYLENES (a+b)	-		-		-	
METHYL N-BUTYL KETONE	3.7	U	3.6	U	3.9	U
METHYLBENZENE	0.3	U	0.29	U	0.32	U
STYRENE (MONOMER)	0.36	U	0.35	U	0.38	U
TETRACHLOROETHENE	0.73	U	0.71	U	0.77	U
TRANS-1,2-DICHLOROETHENE	0.43	U	0.41	U	0.45	U
TRANS-1,3-DICHLOROPROPENE	0.29	U	0.28	U	0.31	U
TRIBOMOMETHANE	0.34	U	0.33	U	0.36	U
TRICHLOROETHYLENE	0.37	U	0.36	U	0.39	U
VINYL CHLORIDE	0.27	U	0.26	U	0.29	U

Notes:

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**Summary of Total VOCs in Soil
Caemmerer Yard West Investigation**

Table O.2-40

Location ID	E-64		SB-E-08		SB-E-08	
Sample ID	E-64-LIRR-10-12-A		SB-E-08-LIRR-6-9		SB-E-08-LIRR-15-17	
Depth	10-12		6-9		15-17	
Dilution Factor	1.0		1.0		1.0	
Sample Date	9/18/2004		9/20/2004		9/20/2004	
Unit	ug/Kg		ug/Kg		ug/Kg	
1,1,1-TRICHLOROETHANE	0.33	U	0.32	U	0.34	U
1,1,2,2-TETRACHLOROETHANE	0.64	U	0.62	U	0.66	U
1,1,2-TRICHLOROETHANE	0.61	U	0.59	U	0.63	U
1,1-DICHLOROETHANE	0.43	U	0.41	U	0.44	U
1,1-DICHLOROETHYLENE	0.26	U	0.25	U	0.27	U
1,2-DICHLOROETHANE	3.7	U	3.6	U	3.8	U
1,2-DICHLOROPROPANE	0.4	U	0.39	U	0.42	U
METHYL ETHYL KETON (MEK)	2.7	U	2.6	U	2.8	U
4-METHYL-2-PENTANONE	2.9	U	2.8	U	3	U
ACETONE	9	U	67		51	
BENZENE	0.24	U	0.23	U	0.25	U
BROMODICHLOROMETHANE	0.4	U	0.39	U	0.42	U
BROMOMETHANE	0.85	U	0.82	U	0.88	U
CARBON DISULFIDE	4.4	J	0.12	U	3.6	J
CARBON TETRACHLORIDE	0.36	U	0.35	U	0.37	U
CHLOROETHANE	0.42	U	0.41	U	0.44	U
CHLORODIBROMOMETHANE	0.35	U	0.34	U	0.36	U
CHLOROETHANE	0.63	U	0.61	U	0.66	U
CHLOROFORM	0.29	U	0.28	U	0.3	U
CHLOROMETHANE	0.4	U	0.38	U	0.41	U
CIS-1,2-DICHLOROETHENE	0.42	U	0.41	U	0.44	U
CIS-1,3-DICHLOROPROPENE	0.23	U	0.23	U	0.24	U
DICHLOROMETHANE	1.4	J	2.8	J	2.3	J
ETHYLBENZENE	0.3	U	0.29	U	0.31	U
M/P-XYLENE (a)	0.62	U	0.6	U	0.64	U
O-XYLENE (b)	0.52	U	0.5	U	0.54	U
TOTAL XYLENES (a+b)	-		-		-	
METHYL N-BUTYL KETONE	3.9	U	3.7	U	4	U
METHYLBENZENE	0.31	U	0.3	U	0.32	U
STYRENE (MONOMER)	0.38	U	0.36	U	0.39	U
TETRACHLOROETHENE	0.77	U	0.74	U	0.79	U
TRANS-1,2-DICHLOROETHENE	0.45	U	0.43	U	0.46	U
TRANS-1,3-DICHLOROPROPENE	0.31	U	0.3	U	0.32	U
TRIBOMOMETHANE	0.36	U	0.35	U	0.37	U
TRICHLOROETHYLENE	0.39	U	0.37	U	0.4	U
VINYL CHLORIDE	0.28	U	0.27	U	0.29	U

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**Summary of Total VOCs in Soil
Caemmerer Yard West Investigation**

Table O.2-40

Location ID	SB-E-10		SB-E-10		SB-E-10	
Sample ID	SB-E-10-NYDOS-2-4		SB-E-10-NYDOS-2-4RE		SB-E-10-NYDOS-12-14	
Depth	2-4		2-4		12-14	
Dilution Factor	1.0		1.0		1.0	
Sample Date	9/17/2004		9/17/2004		9/17/2004	
Unit	ug/Kg		ug/Kg		ug/Kg	
1,1,1-TRICHLOROETHANE	0.3	U	0.3	U	0.33	U
1,1,2,2-TETRACHLOROETHANE	0.59	U	0.59	U	0.65	U
1,1,2-TRICHLOROETHANE	0.57	U	0.57	U	0.62	U
1,1-DICHLOROETHANE	0.4	U	0.4	U	0.43	U
1,1-DICHLOROETHYLENE	0.24	U	0.24	U	0.26	U
1,2-DICHLOROETHANE	3.5	U	3.5	U	3.8	U
1,2-DICHLOROPROPANE	0.38	U	0.38	U	0.41	U
METHYL ETHYL KETON (MEK)	2.6	U	2.6	U	2.8	U
4-METHYL-2-PENTANONE	2.7	U	2.7	U	2.9	U
ACETONE	8.4	U	8.4	U	82	U
BENZENE	0.23	U	0.23	U	0.25	U
BROMODICHLOROMETHANE	0.37	U	0.37	U	0.41	U
BROMOMETHANE	0.8	U	0.8	U	0.86	U
CARBON DISULFIDE	0.11	U	0.11	U	2.1	J
CARBON TETRACHLORIDE	0.33	U	0.33	U	0.36	U
CHLOROETHANE	0.4	U	0.4	U	0.43	U
CHLORODIBROMOMETHANE	0.33	U	0.33	U	0.35	U
CHLOROETHANE	0.59	U	0.59	U	0.64	U
CHLOROFORM	0.27	U	0.27	U	0.29	U
CHLOROMETHANE	0.37	U	0.37	U	0.4	U
CIS-1,2-DICHLOROETHENE	0.4	U	0.4	U	0.43	U
CIS-1,3-DICHLOROPROPENE	0.22	U	0.22	U	0.24	U
DICHLOROMETHANE	0.76	U	0.76	U	2.2	J
ETHYLBENZENE	0.28	U	0.28	U	0.3	U
M/P-XYLENE (a)	0.58	U	0.58	U	0.63	U
O-XYLENE (b)	0.49	U	0.49	U	0.53	U
TOTAL XYLENES (a+b)	-		-		-	
METHYL N-BUTYL KETONE	3.6	U	3.6	U	3.9	U
METHYLBENZENE	0.29	U	0.29	U	0.32	U
STYRENE (MONOMER)	0.35	U	0.35	U	0.38	U
TETRACHLOROETHENE	0.71	U	0.71	U	0.77	U
TRANS-1,2-DICHLOROETHENE	0.42	U	0.42	U	0.45	U
TRANS-1,3-DICHLOROPROPENE	0.29	U	0.29	U	0.31	U
TRIBOMOMETHANE	0.34	U	0.34	U	0.36	U
TRICHLOROETHYLENE	0.36	U	0.36	U	0.39	U
VINYL CHLORIDE	0.26	U	0.26	U	0.29	U

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**Summary of Total VOCs in Soil
Caemmerer Yard West Investigation**

Table O.2-40

Location ID	SB-E-10		SB-U-2		SB-U-2	
Sample ID	SB-E-10-NYDOS-20-22		SB-U-2-DOS-2-3		SB-U-2-DOS-3-5	
Depth	20-22		2-3		3-5	
Dilution Factor	1.0		1.0		1.0	
Sample Date	9/12/2004		9/11/2004		9/11/2004	
Unit	ug/Kg		ug/Kg		ug/Kg	
1,1,1-TRICHLOROETHANE	0.38	U	0.31	U	0.32	U
1,1,2,2-TETRACHLOROETHANE	0.75	U	0.6	U	0.63	U
1,1,2-TRICHLOROETHANE	0.71	U	0.57	U	0.6	U
1,1-DICHLOROETHANE	0.5	U	0.4	U	0.42	U
1,1-DICHLOROETHYLENE	0.3	U	0.24	U	0.26	U
1,2-DICHLOROETHANE	4.3	U	3.5	U	3.7	U
1,2-DICHLOROPROPANE	0.47	U	0.38	U	0.4	U
METHYL ETHYL KETON (MEK)	3.2	U	2.6	U	2.7	U
4-METHYL-2-PENTANONE	3.4	U	2.7	U	2.9	U
ACETONE	170		36		35	
BENZENE	0.28	U	0.23	U	0.24	U
BROMODICHLOROMETHANE	0.47	U	0.38	U	0.4	U
BROMOMETHANE	1	U	0.8	U	0.84	U
CARBON DISULFIDE	0.14	U	4.9	J	3	J
CARBON TETRACHLORIDE	0.42	U	0.34	U	0.35	U
CHLOROENZENE	0.5	U	0.4	U	0.42	U
CHLORODIBROMOMETHANE	0.41	U	0.33	U	0.35	U
CHLOROETHANE	0.74	U	0.6	U	0.62	U
CHLOROFORM	0.33	U	0.27	U	0.28	U
CHLOROMETHANE	0.47	U	0.38	U	0.39	U
CIS-1,2-DICHLOROETHENE	0.5	U	0.4	U	0.42	U
CIS-1,3-DICHLOROPROPENE	0.27	U	0.22	U	0.23	U
DICHLOROMETHANE	2.6	J	0.77	U	0.81	U
ETHYLBENZENE	0.35	U	0.28	U	0.3	U
M/P-XYLENE (a)	0.72	U	0.58	U	0.61	U
O-XYLENE (b)	0.61	U	0.49	U	0.51	U
TOTAL XYLENES (a+b)	-		-		-	
METHYL N-BUTYL KETONE	4.5	U	3.6	U	3.8	U
METHYLBENZENE	0.36	U	0.29	U	0.31	U
STYRENE (MONOMER)	0.44	U	0.36	U	0.37	U
TETRACHLOROETHENE	0.89	U	0.72	U	0.76	U
TRANS-1,2-DICHLOROETHENE	0.52	U	0.42	U	0.44	U
TRANS-1,3-DICHLOROPROPENE	0.36	U	0.29	U	0.3	U
TRIBOMOMETHANE	0.42	U	0.34	U	0.36	U
TRICHLOROETHYLENE	0.45	U	0.36	U	0.38	U
VINYL CHLORIDE	0.33	U	0.27	U	0.28	U

Notes:

ug/kg - micrograms per kilogram

DUP - denotes field duplicate of preceding sample

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

J - Indicates an estimated value

B - Indicates the analyte was found in the blank

D - Indicates the compound identified in an analysis at a secondary dilution factor.

E - Indicates the analyte's concentration exceeds the calibration range of the instrument for that specific analysis

**Summary of Total VOCs in Soil
Caemmerer Yard West Investigation**

Table O.2-40

Location ID	SB-U-2		E-1		E-1	
Sample ID	SB-U-2-DOS-12-15		E-1-DOS-2-4		E-1-DOS-4-6	
Depth	12-15		2-4		4-6	
Dilution Factor	1.0		1.0		1.0	
Sample Date	9/11/2004		9/13/04		9/13/04	
Unit	ug/Kg		ug/Kg		ug/Kg	
1,1,1-TRICHLOROETHANE	0.44	U	0.31	U	0.32	U
1,1,2,2-TETRACHLOROETHANE	0.87	U	0.61	U	0.62	U
1,1,2-TRICHLOROETHANE	0.83	U	0.58	U	0.59	U
1,1-DICHLOROETHANE	0.58	U	0.41	U	0.41	U
1,1-DICHLOROETHYLENE	0.35	U	0.25	U	0.25	U
1,2-DICHLOROETHANE	5	U	3.5	U	3.6	U
1,2-DICHLOROPROPANE	0.55	U	0.39	U	0.39	U
METHYL ETHYL KETON (MEK)	11	J	2.6	U	2.6	U
4-METHYL-2-PENTANONE	3.9	U	2.8	U	2.8	U
ACETONE	130		8.6	U	8.7	U
BENZENE	0.33	U	0.23	U	0.23	U
BROMODICHLOROMETHANE	0.55	U	0.38	U	0.39	U
BROMOMETHANE	1.2	U	0.81	U	0.82	U
CARBON DISULFIDE	3.8	J	0.12	U	0.12	U
CARBON TETRACHLORIDE	0.49	U	0.34	U	0.35	U
CHLOROBENZENE	0.58	U	0.4	U	0.41	U
CHLORODIBROMOMETHANE	0.48	U	0.33	U	0.34	U
CHLOROETHANE	0.86	U	0.6	U	0.61	U
CHLOROFORM	0.39	U	0.27	U	0.28	U
CHLOROMETHANE	0.54	U	0.38	U	0.38	U
CIS-1,2-DICHLOROETHENE	0.58	U	0.4	U	0.41	U
CIS-1,3-DICHLOROPROPENE	0.32	U	0.22	U	0.23	U
DICHLOROMETHANE	1.1	U	0.78	U	2.4	J
ETHYLBENZENE	0.41	U	0.29	U	0.29	U
M/P-XYLENE (a)	0.84	U	0.59	U	0.6	U
O-XYLENE (b)	0.71	U	0.5	U	0.5	U
TOTAL XYLENES (a+b)	-		-		-	
METHYL N-BUTYL KETONE	5.2	U	3.7	U	3.7	U
METHYLBENZENE	0.42	U	0.3	U	0.3	U
STYRENE (MONOMER)	0.51	U	0.36	U	0.36	U
TETRACHLOROETHENE	1	U	0.73	U	0.74	U
TRANS-1,2-DICHLOROETHENE	0.61	U	0.43	U	0.43	U
TRANS-1,3-DICHLOROPROPENE	0.42	U	0.29	U	0.3	U
TRIBOMOMETHANE	0.49	U	0.34	U	0.35	U
TRICHLOROETHYLENE	0.52	U	0.37	U	0.37	U
VINYL CHLORIDE	0.39	U	0.27	U	0.27	U

Notes:

ug/kg - micrograms per kilogram

DUP - denotes field duplicate of preceding sample

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

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B - Indicates the analyte was found in the blank

D - Indicates the compound identified in an analysis at a secondary dilution factor.

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**Summary of Total VOCs in Soil
Caemmerer Yard West Investigation**

Table O.2-40

Location ID	E-1		E-1		E-1	
Sample ID	E-1-DOS-6-8		E-1-DOS-10-12		E-1-DOS-18-20	
Depth	6-8		10-12		18-20	
Dilution Factor	1.0		1.0		1.0	
Sample Date	9/13/04		9/13/04		9/13/04	
Unit	ug/Kg		ug/Kg		ug/Kg	
1,1,1-TRICHLOROETHANE	0.33	U	0.32	U	0.32	U
1,1,2,2-TETRACHLOROETHANE	0.64	U	0.63	U	0.63	U
1,1,2-TRICHLOROETHANE	0.61	U	0.6	U	0.6	U
1,1-DICHLOROETHANE	0.43	U	0.42	U	0.42	U
1,1-DICHLOROETHYLENE	0.26	U	0.26	U	0.26	U
1,2-DICHLOROETHANE	3.7	U	3.7	U	3.7	U
1,2-DICHLOROPROPANE	0.4	U	0.4	U	0.4	U
METHYL ETHYL KETON (MEK)	8.2	J	2.7	U	2.7	U
4-METHYL-2-PENTANONE	2.9	U	2.9	U	2.9	U
ACETONE	77		8.9	U	40	
BENZENE	0.24	U	0.24	U	0.24	U
BROMODICHLOROMETHANE	0.4	U	0.4	U	0.4	U
BROMOMETHANE	0.85	U	0.84	U	0.84	U
CARBON DISULFIDE	3.8	J	4	J	0.12	U
CARBON TETRACHLORIDE	0.36	U	0.35	U	0.35	U
CHLOROETHANE	0.42	U	0.42	U	0.42	U
CHLORODIBROMOMETHANE	0.35	U	0.35	U	0.35	U
CHLOROETHANE	0.63	U	0.62	U	0.62	U
CHLOROFORM	0.29	U	0.28	U	0.28	U
CHLOROMETHANE	0.4	U	0.39	U	0.39	U
CIS-1,2-DICHLOROETHENE	0.42	U	0.42	U	0.42	U
CIS-1,3-DICHLOROPROPENE	0.23	U	0.23	U	0.23	U
DICHLOROMETHANE	0.82	U	0.81	U	0.81	U
ETHYLBENZENE	0.3	U	0.3	U	0.3	U
M/P-XYLENE (a)	0.62	U	0.61	U	0.61	U
O-XYLENE (b)	0.52	U	0.51	U	0.51	U
TOTAL XYLENES (a+b)	-		-		-	
METHYL N-BUTYL KETONE	3.9	U	3.8	U	3.8	U
METHYLBENZENE	0.31	U	0.31	U	0.31	U
STYRENE (MONOMER)	0.38	U	0.37	U	0.37	U
TETRACHLOROETHENE	0.77	U	0.76	U	0.76	U
TRANS-1,2-DICHLOROETHENE	0.45	U	0.44	U	0.44	U
TRANS-1,3-DICHLOROPROPENE	0.31	U	0.3	U	0.3	U
TRIBOMOMETHANE	0.36	U	0.36	U	0.36	U
TRICHLOROETHYLENE	0.39	U	0.38	U	0.38	U
VINYL CHLORIDE	0.28	U	0.28	U	0.28	U

Notes:

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D - Indicates the compound identified in an analysis at a secondary dilution factor.

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**Summary of Total VOCs in Soil
Caemmerer Yard West Investigation**

Table O.2-40

Location ID	E-1		E-2		E-2	
Sample ID	E-1-DOS-34-36		E-2-DOS-1-2		E-2-DOS-5-7	
Depth	34-36		1-2		5-7	
Dilution Factor	1.0		1.0		1.0	
Sample Date	9/14/04		9/11/2004		9/11/2004	
Unit	ug/Kg		ug/Kg		ug/Kg	
1,1,1-TRICHLOROETHANE	0.43	U	0.3	U	0.32	U
1,1,2,2-TETRACHLOROETHANE	0.83	U	0.59	U	0.62	U
1,1,2-TRICHLOROETHANE	0.79	U	0.56	U	0.59	U
1,1-DICHLOROETHANE	0.55	U	0.39	U	0.41	U
1,1-DICHLOROETHYLENE	0.34	U	0.24	U	0.25	U
1,2-DICHLOROETHANE	4.8	U	3.4	U	3.6	U
1,2-DICHLOROPROPANE	0.53	U	0.37	U	0.39	U
METHYL ETHYL KETON (MEK)	3.6	U	2.5	U	2.6	U
4-METHYL-2-PENTANONE	3.8	U	2.7	U	2.8	U
ACETONE	48		8.3	U	8.7	U
BENZENE	0.32	U	0.22	U	0.23	U
BROMODICHLOROMETHANE	0.52	U	0.37	U	0.39	U
BROMOMETHANE	1.1	U	0.79	U	0.82	U
CARBON DISULFIDE	0.16	U	0.11	U	0.12	U
CARBON TETRACHLORIDE	0.47	U	0.33	U	0.35	U
CHLOROENZENE	0.55	U	0.39	U	0.41	U
CHLORODIBROMOMETHANE	0.46	U	0.32	U	0.34	U
CHLOROETHANE	0.82	U	0.58	U	0.61	U
CHLOROFORM	0.37	U	0.26	U	0.28	U
CHLOROMETHANE	0.52	U	0.37	U	0.38	U
CIS-1,2-DICHLOROETHENE	0.55	U	0.39	U	0.41	U
CIS-1,3-DICHLOROPROPENE	0.3	U	0.22	U	0.23	U
DICHLOROMETHANE	1.1	U	2.7	J	4.2	J
ETHYLBENZENE	0.39	U	0.28	U	0.29	U
M/P-XYLENE (a)	0.81	U	0.57	U	0.6	U
O-XYLENE (b)	0.68	U	0.48	U	0.5	U
TOTAL XYLENES (a+b)	-		-		-	
METHYL N-BUTYL KETONE	5	U	3.6	U	3.7	U
METHYLBENZENE	0.41	U	0.29	U	0.3	U
STYRENE (MONOMER)	0.49	U	0.35	U	0.36	U
TETRACHLOROETHENE	1	U	0.71	U	0.74	U
TRANS-1,2-DICHLOROETHENE	0.58	U	0.41	U	0.43	U
TRANS-1,3-DICHLOROPROPENE	0.4	U	0.28	U	0.3	U
TRIBOMOMETHANE	0.47	U	0.33	U	0.35	U
TRICHLOROETHYLENE	0.5	U	0.36	U	0.37	U
VINYL CHLORIDE	0.37	U	0.26	U	0.27	U

Notes:

ug/kg - micrograms per kilogram

DUP - denotes field duplicate of preceding sample

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D - Indicates the compound identified in an analysis at a secondary dilution factor.

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**Summary of Total VOCs in Soil
Caemmerer Yard West Investigation**

Table O.2-40

Location ID	E-2		E-3		E-3	
Sample ID	E-2-DOS-23-27		E-3-NYDOS-4-6		E-3-NYDOS-6-8	
Depth	23-27		4-6		6-8	
Dilution Factor	1.0		1.0		1.0	
Sample Date	9/11/2004		9/12/2004		9/12/2004	
Unit	ug/Kg		ug/Kg		ug/Kg	
1,1,1-TRICHLOROETHANE	0.33	U	0.33	U	0.33	U
1,1,2,2-TETRACHLOROETHANE	0.65	U	0.65	U	0.64	U
1,1,2-TRICHLOROETHANE	0.62	U	0.62	U	0.61	U
1,1-DICHLOROETHANE	0.44	U	0.43	U	0.43	U
1,1-DICHLOROETHYLENE	0.27	U	0.26	U	0.26	U
1,2-DICHLOROETHANE	3.8	U	3.8	U	3.7	U
1,2-DICHLOROPROPANE	0.41	U	0.41	U	0.4	U
METHYL ETHYL KETON (MEK)	2.8	U	2.8	U	2.7	U
4-METHYL-2-PENTANONE	3	U	2.9	U	2.9	U
ACETONE	29	J	9.1	U	30	J
BENZENE	0.25	U	0.25	U	0.24	U
BROMODICHLOROMETHANE	0.41	U	0.41	U	0.4	U
BROMOMETHANE	0.87	U	0.86	U	0.85	U
CARBON DISULFIDE	4.9	J	0.12	U	1.9	J
CARBON TETRACHLORIDE	0.37	U	0.36	U	0.36	U
CHLOROBENZENE	0.43	U	0.43	U	0.42	U
CHLORODIBROMOMETHANE	0.36	U	0.35	U	0.35	U
CHLOROETHANE	0.65	U	0.64	U	0.63	U
CHLOROFORM	0.29	U	0.29	U	0.29	U
CHLOROMETHANE	0.41	U	0.4	U	0.4	U
CIS-1,2-DICHLOROETHENE	0.43	U	0.43	U	0.42	U
CIS-1,3-DICHLOROPROPENE	0.24	U	0.24	U	0.23	U
DICHLOROMETHANE	0.84	U	1.8	J	2.9	J
ETHYLBENZENE	0.31	U	0.3	U	25	
M/P-XYLENE (a)	0.63	U	0.63	U	81	
O-XYLENE (b)	0.53	U	0.53	U	34	
TOTAL XYLENES (a+b)	-		-		115	
METHYL N-BUTYL KETONE	3.9	U	3.9	U	3.9	U
METHYLBENZENE	0.32	U	0.32	U	5.2	J
STYRENE (MONOMER)	0.39	U	0.38	U	0.38	U
TETRACHLOROETHENE	0.78	U	0.77	U	0.77	U
TRANS-1,2-DICHLOROETHENE	0.46	U	0.45	U	0.45	U
TRANS-1,3-DICHLOROPROPENE	0.32	U	0.31	U	0.31	U
TRIBOMOMETHANE	0.37	U	0.36	U	0.36	U
TRICHLOROETHYLENE	0.4	U	0.39	U	0.39	U
VINYL CHLORIDE	0.29	U	0.29	U	0.28	U

Notes:

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**Summary of Total VOCs in Soil
Caemmerer Yard West Investigation**

Table O.2-40

Location ID	E-3		E-3		E-5	
Sample ID	E-3-NYDOS12-14		E-3-NYDOS-26-28		E-5-DOS-4-5	
Depth	12-14		26-28		4-5	
Dilution Factor	1.0		1.0		1.0	
Sample Date	9/12/2004		9/12/2004		9/17/2004	
Unit	ug/Kg		ug/Kg		ug/Kg	
1,1,1-TRICHLOROETHANE	0.34	U	0.46	U	0.34	U
1,1,2,2-TETRACHLOROETHANE	0.66	U	0.9	U	0.67	U
1,1,2-TRICHLOROETHANE	0.63	U	0.86	U	0.64	U
1,1-DICHLOROETHANE	0.44	U	0.6	U	0.45	U
1,1-DICHLOROETHYLENE	0.27	U	0.36	U	0.27	U
1,2-DICHLOROETHANE	3.8	U	5.2	U	3.9	U
1,2-DICHLOROPROPANE	0.42	U	0.57	U	0.42	U
METHYL ETHYL KETON (MEK)	2.8	U	11	J	2.9	U
4-METHYL-2-PENTANONE	3	U	4.1	U	3	U
ACETONE	20	J	87		66	
BENZENE	0.25	U	0.34	U	5.4	J
BROMODICHLOROMETHANE	0.42	U	0.56	U	0.42	U
BROMOMETHANE	0.88	U	1.2	U	0.9	U
CARBON DISULFIDE	1.8	J	5.7	J	1.9	J
CARBON TETRACHLORIDE	0.37	U	0.51	U	0.38	U
CHLOROBENZENE	0.44	U	0.6	U	0.45	U
CHLORODIBROMOMETHANE	0.36	U	0.49	U	0.37	U
CHLOROETHANE	0.66	U	0.89	U	0.66	U
CHLOROFORM	0.3	U	0.4	U	0.3	U
CHLOROMETHANE	0.41	U	0.56	U	0.42	U
CIS-1,2-DICHLOROETHENE	0.44	U	0.6	U	0.45	U
CIS-1,3-DICHLOROPROPENE	0.24	U	0.33	U	0.25	U
DICHLOROMETHANE	2	J	5.7	J	0.86	U
ETHYLBENZENE	0.31	U	0.42	U	0.32	U
M/P-XYLENE (a)	0.64	U	4	J	0.65	U
O-XYLENE (b)	0.54	U	1.8	J	0.55	U
TOTAL XYLENES (a+b)	-		5.8		-	
METHYL N-BUTYL KETONE	4	U	5.4	U	4	U
METHYLBENZENE	0.32	U	0.44	U	0.33	U
STYRENE (MONOMER)	0.39	U	0.53	U	0.4	U
TETRACHLOROETHENE	0.79	U	1.1	U	0.8	U
TRANS-1,2-DICHLOROETHENE	0.46	U	0.63	U	0.47	U
TRANS-1,3-DICHLOROPROPENE	0.32	U	0.43	U	0.32	U
TRIBOMOMETHANE	0.37	U	0.51	U	0.38	U
TRICHLOROETHYLENE	0.4	U	0.54	U	0.41	U
VINYL CHLORIDE	0.29	U	0.4	U	0.3	U

Notes:

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**Summary of Total VOCs in Soil
Caemmerer Yard West Investigation**

Table O.2-40

Location ID	E-5		E-5		E-5	
Sample ID	E-5-DOS-7-9		E-5-DOS-12-14		E-5-DOS-16-18	
Depth	7-9		12-14		16-18	
Dilution Factor	1.0		1.0		1.0	
Sample Date	9/17/2004		9/17/2004		9/17/2004	
Unit	ug/Kg		ug/Kg		ug/Kg	
1,1,1-TRICHLOROETHANE	0.41	U	0.36	U	0.35	U
1,1,2,2-TETRACHLOROETHANE	0.8	U	0.7	U	0.68	U
1,1,2-TRICHLOROETHANE	0.77	U	0.67	U	0.65	U
1,1-DICHLOROETHANE	0.53	U	0.46	U	0.45	U
1,1-DICHLOROETHYLENE	0.33	U	0.28	U	0.28	U
1,2-DICHLOROETHANE	4.7	U	4.1	U	3.9	U
1,2-DICHLOROPROPANE	0.51	U	0.44	U	0.43	U
METHYL ETHYL KETON (MEK)	15	J	3	U	2.9	U
4-METHYL-2-PENTANONE	3.6	U	3.2	U	3.1	U
ACETONE	160		9.8	U	9.6	U
BENZENE	13		0.27	U	0.26	U
BROMODICHLOROMETHANE	0.5	U	0.44	U	0.43	U
BROMOMETHANE	1.1	U	0.93	U	0.91	U
CARBON DISULFIDE	2.1	J	0.13	U	0.13	U
CARBON TETRACHLORIDE	0.45	U	0.39	U	0.38	U
CHLOROBENZENE	0.53	U	0.46	U	0.45	U
CHLORODIBROMOMETHANE	0.44	U	0.38	U	0.37	U
CHLOROETHANE	0.8	U	0.69	U	0.67	U
CHLOROFORM	0.36	U	0.31	U	0.3	U
CHLOROMETHANE	0.5	U	0.44	U	0.42	U
CIS-1,2-DICHLOROETHENE	0.53	U	0.46	U	0.45	U
CIS-1,3-DICHLOROPROPENE	0.29	U	0.26	U	0.25	U
DICHLOROMETHANE	1	U	0.89	U	0.87	U
ETHYLBENZENE	0.38	U	0.33	U	0.32	U
M/P-XYLENE (a)	0.78	U	0.68	U	0.66	U
O-XYLENE (b)	0.65	U	0.57	U	0.55	U
TOTAL XYLENES (a+b)	-		-		-	
METHYL N-BUTYL KETONE	4.8	U	4.2	U	4.1	U
METHYLBENZENE	0.39	U	0.34	U	0.33	U
STYRENE (MONOMER)	0.47	U	0.41	U	0.4	U
TETRACHLOROETHENE	0.96	U	0.84	U	0.81	U
TRANS-1,2-DICHLOROETHENE	0.56	U	0.49	U	0.48	U
TRANS-1,3-DICHLOROPROPENE	0.39	U	0.34	U	0.33	U
TRIBOMOMETHANE	0.45	U	0.39	U	0.38	U
TRICHLOROETHYLENE	0.48	U	0.42	U	0.41	U
VINYL CHLORIDE	0.36	U	0.31	U	0.3	U

Notes:

ug/kg - micrograms per kilogram

DUP - denotes field duplicate of preceding sample

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

J - Indicates an estimated value

B - Indicates the analyte was found in the blank

D - Indicates the compound identified in an analysis at a secondary dilution factor.

E - Indicates the analyte's concentration exceeds the calibration range of the instrument for that specific analysis

**Summary of Total VOCs in Soil
Caemmerer Yard West Investigation**

Table O.2-40

Location ID	E-6		E-6		E-6	
Sample ID	E-6-NYDOS-2-3		E-6-NYDOS-4-6		E-6-NYDOS-6-7	
Depth	2-3		4-6		6-7	
Dilution Factor	1.0		1.0		1.0	
Sample Date	9/17/2004		9/15/2004		9/17/2004	
Unit	ug/Kg		ug/Kg		ug/Kg	
1,1,1-TRICHLOROETHANE	0.32	U	0.31	U	0.35	U
1,1,2,2-TETRACHLOROETHANE	0.62	U	0.6	U	0.69	U
1,1,2-TRICHLOROETHANE	0.6	U	0.57	U	0.66	U
1,1-DICHLOROETHANE	0.42	U	0.4	U	0.46	U
1,1-DICHLOROETHYLENE	0.25	U	0.24	U	0.28	U
1,2-DICHLOROETHANE	3.6	U	3.5	U	4	U
1,2-DICHLOROPROPANE	0.39	U	0.38	U	0.44	U
METHYL ETHYL KETON (MEK)	2.7	U	2.6	U	3	U
4-METHYL-2-PENTANONE	2.8	U	2.7	U	3.1	U
ACETONE	8.8	U	8.5	U	9.7	U
BENZENE	0.24	U	0.23	U	0.26	U
BROMODICHLOROMETHANE	0.39	U	0.38	U	0.43	U
BROMOMETHANE	0.83	U	0.8	U	0.92	U
CARBON DISULFIDE	0.12	U	0.11	U	0.13	U
CARBON TETRACHLORIDE	0.35	U	0.34	U	0.39	U
CHLOROETHANE	0.41	U	0.4	U	0.46	U
CHLORODIBROMOMETHANE	0.34	U	0.33	U	0.38	U
CHLOROETHANE	0.62	U	0.6	U	0.68	U
CHLOROFORM	0.28	U	0.27	U	0.31	U
CHLOROMETHANE	0.39	U	0.38	U	0.43	U
CIS-1,2-DICHLOROETHENE	0.41	U	0.4	U	0.46	U
CIS-1,3-DICHLOROPROPENE	0.23	U	0.22	U	0.25	U
DICHLOROMETHANE	0.8	U	0.77	U	0.88	U
ETHYLBENZENE	0.29	U	0.28	U	0.32	U
M/P-XYLENE (a)	0.6	U	0.58	U	0.67	U
O-XYLENE (b)	0.51	U	0.49	U	0.56	U
TOTAL XYLENES (a+b)	-		-		-	
METHYL N-BUTYL KETONE	3.8	U	3.6	U	4.2	U
METHYLBENZENE	0.3	U	0.29	U	0.34	U
STYRENE (MONOMER)	0.37	U	0.36	U	0.41	U
TETRACHLOROETHENE	0.75	U	0.72	U	0.82	U
TRANS-1,2-DICHLOROETHENE	0.44	U	0.42	U	0.48	U
TRANS-1,3-DICHLOROPROPENE	0.3	U	0.29	U	0.33	U
TRIBOMOMETHANE	0.35	U	0.34	U	0.39	U
TRICHLOROETHYLENE	0.38	U	0.36	U	0.42	U
VINYL CHLORIDE	0.28	U	0.27	U	0.31	U

Notes:

ug/kg - micrograms per kilogram

DUP - denotes field duplicate of preceding sample

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**Summary of Total VOCs in Soil
Caemmerer Yard West Investigation**

Table O.2-40

Location ID	E-6		E-8		E-8	
Sample ID	E-6-NYDOS-17-19		E-8-NYDOS-4-5		E-8-NYDOS-6-8	
Depth	17-19		4-5		6-8	
Dilution Factor	1.0		1.0		1.0	
Sample Date	9/17/2004		9/13/04		9/13/04	
Unit	ug/Kg		ug/Kg		ug/Kg	
1,1,1-TRICHLOROETHANE	0.32	U	0.33	U	0.3	U
1,1,2,2-TETRACHLOROETHANE	0.63	U	0.64	U	0.59	U
1,1,2-TRICHLOROETHANE	0.6	U	0.61	U	0.57	U
1,1-DICHLOROETHANE	0.42	U	0.43	U	0.4	U
1,1-DICHLOROETHYLENE	0.26	U	0.26	U	0.24	U
1,2-DICHLOROETHANE	3.7	U	3.7	U	3.5	U
1,2-DICHLOROPROPANE	0.4	U	0.4	U	0.38	U
METHYL ETHYL KETON (MEK)	2.7	U	2.7	U	2.6	U
4-METHYL-2-PENTANONE	2.9	U	2.9	U	2.7	U
ACETONE	24	J	9	U	8.4	U
BENZENE	0.24	U	0.24	U	0.23	U
BROMODICHLOROMETHANE	0.4	U	0.4	U	0.37	U
BROMOMETHANE	0.84	U	0.85	U	0.8	U
CARBON DISULFIDE	0.12	U	0.12	U	0.11	U
CARBON TETRACHLORIDE	0.35	U	0.36	U	0.33	U
CHLOROETHANE	0.42	U	0.42	U	0.4	U
CHLORODIBROMOMETHANE	0.35	U	0.35	U	0.33	U
CHLOROETHANE	0.62	U	0.63	U	0.59	U
CHLOROFORM	0.28	U	0.29	U	0.27	U
CHLOROMETHANE	0.39	U	0.4	U	0.37	U
CIS-1,2-DICHLOROETHENE	0.42	U	0.42	U	0.4	U
CIS-1,3-DICHLOROPROPENE	0.23	U	0.23	U	0.22	U
DICHLOROMETHANE	0.81	U	0.82	U	0.76	U
ETHYLBENZENE	0.3	U	0.3	U	0.28	U
M/P-XYLENE (a)	0.61	U	0.62	U	0.58	U
O-XYLENE (b)	0.51	U	0.52	U	0.49	U
TOTAL XYLENES (a+b)	-		-		-	
METHYL N-BUTYL KETONE	3.8	U	3.9	U	3.6	U
METHYLBENZENE	0.31	U	0.31	U	0.29	U
STYRENE (MONOMER)	0.37	U	0.38	U	0.35	U
TETRACHLOROETHENE	0.76	U	0.77	U	0.71	U
TRANS-1,2-DICHLOROETHENE	0.44	U	0.45	U	0.42	U
TRANS-1,3-DICHLOROPROPENE	0.3	U	0.31	U	0.29	U
TRIBOMOMETHANE	0.36	U	0.36	U	0.34	U
TRICHLOROETHYLENE	0.38	U	0.39	U	0.36	U
VINYL CHLORIDE	0.28	U	0.28	U	0.26	U

Notes:

ug/kg - micrograms per kilogram

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D - Indicates the compound identified in an analysis at a secondary dilution factor.

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**Summary of Total VOCs in Soil
Caemmerer Yard West Investigation**

Table O.2-40

Location ID	E-8		E-8		E-16	
Sample ID	E-8-NYDOS-14-16		E-8-NYDOS-28-30		E-16-NYDOS-0-2	
Depth	14-16		28-30		0-2	
Dilution Factor	1.0		1.0		1.0	
Sample Date	9/13/04		9/13/04		9/12/2004	
Unit	ug/Kg		ug/Kg		ug/Kg	
1,1,1-TRICHLOROETHANE	0.34	U	0.4	U	0.33	U
1,1,2,2-TETRACHLOROETHANE	0.66	U	0.79	U	0.65	U
1,1,2-TRICHLOROETHANE	0.63	U	0.76	U	0.62	U
1,1-DICHLOROETHANE	0.44	U	0.53	U	0.43	U
1,1-DICHLOROETHYLENE	0.27	U	0.32	U	0.26	U
1,2-DICHLOROETHANE	3.8	U	4.6	U	3.8	U
1,2-DICHLOROPROPANE	0.42	U	0.5	U	0.41	U
METHYL ETHYL KETON (MEK)	2.8	U	3.4	U	2.8	U
4-METHYL-2-PENTANONE	3	U	3.6	U	2.9	U
ACETONE	9.3	U	23	J	9.1	U
BENZENE	0.25	U	0.3	U	0.25	U
BROMODICHLOROMETHANE	0.42	U	0.5	U	0.41	U
BROMOMETHANE	0.88	U	1.1	U	0.86	U
CARBON DISULFIDE	0.13	U	15		0.12	U
CARBON TETRACHLORIDE	0.37	U	0.44	U	0.36	U
CHLOROBENZENE	0.44	U	0.53	U	0.43	U
CHLORODIBROMOMETHANE	0.36	U	0.43	U	0.35	U
CHLOROETHANE	0.66	U	0.78	U	0.64	U
CHLOROFORM	0.3	U	0.35	U	0.29	U
CHLOROMETHANE	0.41	U	0.49	U	0.4	U
CIS-1,2-DICHLOROETHENE	0.44	U	0.53	U	0.43	U
CIS-1,3-DICHLOROPROPENE	0.24	U	0.29	U	0.24	U
DICHLOROMETHANE	0.85	U	1	U	2.6	J
ETHYLBENZENE	0.31	U	0.37	U	0.3	U
M/P-XYLENE (a)	0.64	U	0.77	U	0.63	U
O-XYLENE (b)	0.54	U	0.64	U	0.53	U
TOTAL XYLENES (a+b)	-		-		-	
METHYL N-BUTYL KETONE	4	U	4.8	U	3.9	U
METHYLBENZENE	0.32	U	0.39	U	0.32	U
STYRENE (MONOMER)	0.39	U	0.47	U	0.38	U
TETRACHLOROETHENE	0.79	U	0.95	U	0.77	U
TRANS-1,2-DICHLOROETHENE	0.46	U	0.55	U	0.45	U
TRANS-1,3-DICHLOROPROPENE	0.32	U	0.38	U	0.31	U
TRIBOMOMETHANE	0.37	U	0.45	U	0.36	U
TRICHLOROETHYLENE	0.4	U	0.48	U	0.39	U
VINYL CHLORIDE	0.29	U	0.35	U	0.29	U

Notes:

ug/kg - micrograms per kilogram

DUP - denotes field duplicate of preceding sample

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

J - Indicates an estimated value

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D - Indicates the compound identified in an analysis at a secondary dilution factor.

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**Summary of Total VOCs in Soil
Caemmerer Yard West Investigation**

Table O.2-40

Location ID	E-16		E-16		E-16			
Sample ID	E-16-NYDOS-2-3		E-16-NYDOS-6.5-7.5		E-16-NYDOS-12-14			
Depth	2-3		6.5-7.5		12-14			
Dilution Factor	1.0		1.0		1.0			
Sample Date	9/12/2004		9/12/2004		9/12/2004			
Unit	ug/Kg		ug/Kg		ug/Kg			
1,1,1-TRICHLOROETHANE	0.32	U	<	0.31	U	<	0.33	U
1,1,2,2-TETRACHLOROETHANE	0.62	U	<	0.6	U	<	0.65	U
1,1,2-TRICHLOROETHANE	0.59	U	<	0.57	U	<	0.62	U
1,1-DICHLOROETHANE	0.41	U	<	0.4	U	<	0.43	U
1,1-DICHLOROETHYLENE	0.25	U	<	0.24	U	<	0.26	U
1,2-DICHLOROETHANE	3.6	U	<	3.5	U	<	3.8	U
1,2-DICHLOROPROPANE	0.39	U	<	0.38	U	<	0.41	U
METHYL ETHYL KETON (MEK)	2.6	U	<	2.6	U	<	2.8	U
4-METHYL-2-PENTANONE	2.8	U	<	2.7	U	<	2.9	U
ACETONE	27	J		30			15	J
BENZENE	0.23	U		1.4	J	<	0.25	U
BROMODICHLOROMETHANE	0.39	U	<	0.38	U	<	0.41	U
BROMOMETHANE	0.82	U	<	0.8	U	<	0.86	U
CARBON DISULFIDE	0.12	U		2.9	J	<	0.12	U
CARBON TETRACHLORIDE	0.35	U	<	0.34	U	<	0.36	U
CHLOROETHANE	0.41	U	<	0.4	U	<	0.43	U
CHLORODIBROMOMETHANE	0.34	U	<	0.33	U	<	0.35	U
CHLOROETHANE	0.61	U	<	0.6	U	<	0.64	U
CHLOROFORM	0.28	U	<	0.27	U	<	0.29	U
CHLOROMETHANE	0.38	U	<	0.38	U	<	0.4	U
CIS-1,2-DICHLOROETHENE	0.41	U	<	0.4	U	<	0.43	U
CIS-1,3-DICHLOROPROPENE	0.23	U	<	0.22	U	<	0.24	U
DICHLOROMETHANE	2.9	J		2.7	J		1.5	J
ETHYLBENZENE	0.29	U	<	0.28	U	<	0.3	U
M/P-XYLENE (a)	0.6	U	<	0.58	U	<	0.63	U
O-XYLENE (b)	0.5	U	<	0.49	U	<	0.53	U
TOTAL XYLENES (a+b)	-			-			-	
METHYL N-BUTYL KETONE	3.7	U	<	3.6	U	<	3.9	U
METHYLBENZENE	0.3	U	<	0.29	U	<	0.32	U
STYRENE (MONOMER)	0.36	U	<	0.36	U	<	0.38	U
TETRACHLOROETHENE	0.74	U	<	0.72	U	<	0.77	U
TRANS-1,2-DICHLOROETHENE	0.43	U	<	0.42	U	<	0.45	U
TRANS-1,3-DICHLOROPROPENE	0.3	U	<	0.29	U	<	0.31	U
TRIBOMOMETHANE	0.35	U	<	0.34	U	<	0.36	U
TRICHLOROETHYLENE	0.37	U	<	0.36	U	<	0.39	U
VINYL CHLORIDE	0.27	U	<	0.27	U	<	0.29	U

Notes:

ug/kg - micrograms per kilogram

DUP - denotes field duplicate of preceding sample

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

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**Summary of Total VOCs in Soil
Caemmerer Yard West Investigation**

Table O.2-40

Location ID	E-16		E-16		E-17	
Sample ID	E-16-NYDOS-16-18		E-16-NYDOS-20-22		E-17-DOS-2-3	
Depth	16-18		20-22		2-3	
Dilution Factor	1.0		1.0		1.0	
Sample Date	9/12/2004		9/12/2004		9/10/2004	
Unit	ug/Kg		ug/Kg		ug/Kg	
1,1,1-TRICHLOROETHANE	0.33	U	0.34	U	0.3	U
1,1,2,2-TETRACHLOROETHANE	0.64	U	0.66	U	0.59	U
1,1,2-TRICHLOROETHANE	0.61	U	0.63	U	0.57	U
1,1-DICHLOROETHANE	0.43	U	0.44	U	0.4	U
1,1-DICHLOROETHYLENE	0.26	U	0.27	U	0.24	U
1,2-DICHLOROETHANE	3.7	U	3.8	U	3.5	U
1,2-DICHLOROPROPANE	0.4	U	0.42	U	0.38	U
METHYL ETHYL KETON (MEK)	2.7	U	2.8	U	2.6	U
4-METHYL-2-PENTANONE	2.9	U	3	U	2.7	U
ACETONE	25	J	22	J	72	
BENZENE	0.24	U	0.25	U	0.23	U
BROMODICHLOROMETHANE	0.4	U	0.42	U	0.37	U
BROMOMETHANE	0.85	U	0.88	U	0.8	U
CARBON DISULFIDE	1.5	J	3.5	J	7.1	
CARBON TETRACHLORIDE	0.36	U	0.37	U	0.33	U
CHLOROBENZENE	0.42	U	0.44	U	0.4	U
CHLORODIBROMOMETHANE	0.35	U	0.36	U	0.33	U
CHLOROETHANE	0.63	U	0.66	U	0.59	U
CHLOROFORM	0.29	U	0.3	U	0.27	U
CHLOROMETHANE	0.4	U	0.41	U	0.37	U
CIS-1,2-DICHLOROETHENE	0.42	U	0.44	U	0.4	U
CIS-1,3-DICHLOROPROPENE	0.23	U	0.24	U	0.22	U
DICHLOROMETHANE	2.4	J	3.2	J	0.76	U
ETHYLBENZENE	0.3	U	0.31	U	0.28	U
M/P-XYLENE (a)	0.62	U	0.64	U	0.58	U
O-XYLENE (b)	0.52	U	0.54	U	0.49	U
TOTAL XYLENES (a+b)	-		-		-	
METHYL N-BUTYL KETONE	3.9	U	4	U	3.6	U
METHYLBENZENE	0.31	U	0.32	U	0.29	U
STYRENE (MONOMER)	0.38	U	0.39	U	0.35	U
TETRACHLOROETHENE	0.77	U	0.79	U	0.71	U
TRANS-1,2-DICHLOROETHENE	0.45	U	0.46	U	0.42	U
TRANS-1,3-DICHLOROPROPENE	0.31	U	0.32	U	0.29	U
TRIBOMOMETHANE	0.36	U	0.37	U	0.34	U
TRICHLOROETHYLENE	0.39	U	0.4	U	0.36	U
VINYL CHLORIDE	0.28	U	0.29	U	0.26	U

Notes:

ug/kg - micrograms per kilogram

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J - Indicates an estimated value

B - Indicates the analyte was found in the blank

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**Summary of Total VOCs in Soil
Caemmerer Yard West Investigation**

Table O.2-40

Location ID	E-17		E-17		E-9	
Sample ID	E-17-DOS-7-9		E-17-DOS-13-16		E-9-NYCTA-2-3	
Depth	7-9		13-16		2-3	
Dilution Factor	1.0		1.0		1.0	
Sample Date	9/10/2004		9/10/2004		9/28/2004	
Unit	ug/Kg		ug/Kg		ug/Kg	
1,1,1-TRICHLOROETHANE	0.32	U	0.33	U	0.33	U
1,1,2,2-TETRACHLOROETHANE	0.62	U	0.64	U	0.64	U
1,1,2-TRICHLOROETHANE	0.6	U	0.61	U	0.61	U
1,1-DICHLOROETHANE	0.42	U	0.43	U	0.43	U
1,1-DICHLOROETHYLENE	0.25	U	0.26	U	0.26	U
1,2-DICHLOROETHANE	3.6	U	3.7	U	3.7	U
1,2-DICHLOROPROPANE	0.39	U	0.4	U	0.4	U
METHYL ETHYL KETON (MEK)	2.7	U	17	J	2.7	U
4-METHYL-2-PENTANONE	2.8	U	2.9	U	2.9	U
ACETONE	8.8	U	160		9	U
BENZENE	0.24	U	0.24	U	0.24	U
BROMODICHLOROMETHANE	0.39	U	0.4	U	0.4	U
BROMOMETHANE	0.83	U	0.85	U	0.85	U
CARBON DISULFIDE	2.9	J	5.2	J	0.12	U
CARBON TETRACHLORIDE	0.35	U	0.36	U	0.36	U
CHLOROETHANE	0.41	U	0.42	U	0.42	U
CHLORODIBROMOMETHANE	0.34	U	0.35	U	0.35	U
CHLOROETHANE	0.62	U	0.63	U	0.63	U
CHLOROFORM	0.28	U	0.29	U	0.29	U
CHLOROMETHANE	0.39	U	0.4	U	0.4	U
CIS-1,2-DICHLOROETHENE	0.41	U	0.42	U	0.42	U
CIS-1,3-DICHLOROPROPENE	0.23	U	0.23	U	0.23	U
DICHLOROMETHANE	0.8	U	0.82	U	1.5	JB
ETHYLBENZENE	0.29	U	0.3	U	0.3	U
M/P-XYLENE (a)	0.6	U	0.62	U	0.62	U
O-XYLENE (b)	0.51	U	0.52	U	0.52	U
TOTAL XYLENES (a+b)	-		-		-	
METHYL N-BUTYL KETONE	3.8	U	3.9	U	3.9	U
METHYLBENZENE	0.3	U	0.31	U	0.31	U
STYRENE (MONOMER)	0.37	U	0.38	U	0.38	U
TETRACHLOROETHENE	0.75	U	0.77	U	0.77	U
TRANS-1,2-DICHLOROETHENE	0.44	U	0.45	U	0.45	U
TRANS-1,3-DICHLOROPROPENE	0.3	U	0.31	U	0.31	U
TRIBOMOMETHANE	0.35	U	0.36	U	0.36	U
TRICHLOROETHYLENE	0.38	U	0.39	U	0.39	U
VINYL CHLORIDE	0.28	U	0.28	U	0.28	U

Notes:

ug/kg - micrograms per kilogram

DUP - denotes field duplicate of preceding sample

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

J - Indicates an estimated value

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D - Indicates the compound identified in an analysis at a secondary dilution factor.

E - Indicates the analyte's concentration exceeds the calibration range of the instrument for that specific analysis

**Summary of Total VOCs in Soil
Caemmerer Yard West Investigation**

Table O.2-40

Location ID	E-9		E-22		E-22	
Sample ID	E-9-NYCTA-10-16		E-22-NYCTA-2-2.5		E-22-NYCTA-4.5-5	
Depth	10-16		2-2.5		4.5-5	
Dilution Factor	1.0		1.0		1.0	
Sample Date	9/29/2004		9/24/2004		9/24/2004	
Unit	ug/Kg		ug/Kg		ug/Kg	
1,1,1-TRICHLOROETHANE	0.33	U	0.3	U	0.32	U
1,1,2,2-TETRACHLOROETHANE	0.65	U	0.59	U	0.62	U
1,1,2-TRICHLOROETHANE	0.62	U	0.56	U	0.6	U
1,1-DICHLOROETHANE	0.43	U	0.39	U	0.42	U
1,1-DICHLOROETHYLENE	0.26	U	0.24	U	0.25	U
1,2-DICHLOROETHANE	3.8	U	3.4	U	3.6	U
1,2-DICHLOROPROPANE	0.41	U	0.37	U	0.39	U
METHYL ETHYL KETON (MEK)	2.8	U	2.5	U	2.7	U
4-METHYL-2-PENTANONE	2.9	U	2.7	U	2.8	U
ACETONE	9.1	U	10	J	8.8	U
BENZENE	0.25	U	0.22	U	0.24	U
BROMODICHLOROMETHANE	0.41	U	0.37	U	0.39	U
BROMOMETHANE	0.86	U	0.79	U	0.83	U
CARBON DISULFIDE	0.12	U	0.11	U	0.12	U
CARBON TETRACHLORIDE	0.36	U	0.33	U	0.35	U
CHLOROETHANE	0.43	U	0.39	U	0.41	U
CHLORODIBROMOMETHANE	0.35	U	0.32	U	0.34	U
CHLOROETHANE	0.64	U	0.58	U	0.62	U
CHLOROFORM	0.29	U	0.26	U	0.28	U
CHLOROMETHANE	0.4	U	0.37	U	0.39	U
CIS-1,2-DICHLOROETHENE	0.43	U	0.39	U	0.41	U
CIS-1,3-DICHLOROPROPENE	0.24	U	0.22	U	0.23	U
DICHLOROMETHANE	0.83	U	2.8	J	2.4	J
ETHYLBENZENE	0.3	U	0.28	U	0.29	U
M/P-XYLENE (a)	0.63	U	0.57	U	0.6	U
O-XYLENE (b)	0.53	U	1.4	J	0.51	U
TOTAL XYLENES (a+b)	-		1.4		-	
METHYL N-BUTYL KETONE	3.9	U	3.6	U	3.8	U
METHYLBENZENE	0.32	U	14		4.2	J
STYRENE (MONOMER)	0.38	U	0.35	U	0.37	U
TETRACHLOROETHENE	0.77	U	0.71	U	0.75	U
TRANS-1,2-DICHLOROETHENE	0.45	U	0.41	U	0.44	U
TRANS-1,3-DICHLOROPROPENE	0.31	U	0.28	U	0.3	U
TRIBOMOMETHANE	0.36	U	0.33	U	0.35	U
TRICHLOROETHYLENE	0.39	U	0.36	U	0.38	U
VINYL CHLORIDE	0.29	U	0.26	U	0.28	U

Notes:

ug/kg - micrograms per kilogram

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D - Indicates the compound identified in an analysis at a secondary dilution factor.

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**Summary of Total VOCs in Soil
Caemmerer Yard West Investigation**

Table O.2-40

Location ID	E-22		E-22		E-22	
Sample ID	E-22-NYCTA-18-20		E-22-NYCTA-18-20DL		E-22-NYCTA-35-37	
Depth	18-20		18-20		35-37	
Dilution Factor	1.0		10		1.0	
Sample Date	9/25/2004		9/25/2004		9/25/2004	
Unit	ug/Kg		ug/Kg		ug/Kg	
1,1,1-TRICHLOROETHANE	0.33	U	3.3	UD	0.35	U
1,1,2,2-TETRACHLOROETHANE	0.65	U	6.5	UD	0.69	U
1,1,2-TRICHLOROETHANE	0.62	U	6.2	UD	0.66	U
1,1-DICHLOROETHANE	0.43	U	4.3	UD	0.46	U
1,1-DICHLOROETHYLENE	0.26	U	2.6	UD	0.28	U
1,2-DICHLOROETHANE	3.8	U	38	UD	4	U
1,2-DICHLOROPROPANE	0.41	U	4.1	UD	0.44	U
METHYL ETHYL KETON (MEK)	2.8	U	28	UD	3	U
4-METHYL-2-PENTANONE	2.9	U	29	UD	3.1	U
ACETONE	18	J	91	UD	18	J
BENZENE	0.25	U	2.5	UD	0.26	U
BROMODICHLOROMETHANE	0.41	U	4.1	UD	0.43	U
BROMOMETHANE	0.86	U	8.6	UD	0.92	U
CARBON DISULFIDE	0.12	U	1.2	UD	3.4	J
CARBON TETRACHLORIDE	0.36	U	3.6	UD	0.39	U
CHLOROETHANE	0.43	U	4.3	UD	0.46	U
CHLORODIBROMOMETHANE	0.35	U	3.5	UD	0.38	U
CHLOROETHANE	0.64	U	6.4	UD	0.68	U
CHLOROFORM	0.29	U	2.9	UD	0.31	U
CHLOROMETHANE	0.4	U	4	UD	0.43	U
CIS-1,2-DICHLOROETHENE	0.43	U	4.3	UD	0.46	U
CIS-1,3-DICHLOROPROPENE	0.24	U	2.4	UD	0.25	U
DICHLOROMETHANE	1.6	J	29	JD	2.3	J
ETHYLBENZENE	0.3	U	3	UD	0.32	U
M/P-XYLENE (a)	0.63	U	6.3	UD	0.67	U
O-XYLENE (b)	0.53	U	5.3	UD	0.56	U
TOTAL XYLENES (a+b)	-		-		-	
METHYL N-BUTYL KETONE	3.9	U	39	UD	4.2	U
METHYLBENZENE	470	E	280	D	0.34	U
STYRENE (MONOMER)	0.38	U	3.8	UD	0.41	U
TETRACHLOROETHENE	0.77	U	7.7	UD	0.82	U
TRANS-1,2-DICHLOROETHENE	0.45	U	4.5	UD	0.48	U
TRANS-1,3-DICHLOROPROPENE	0.31	U	3.1	UD	0.33	U
TRIBOMOMETHANE	0.36	U	3.6	UD	0.39	U
TRICHLOROETHYLENE	0.39	U	3.9	UD	0.42	U
VINYL CHLORIDE	0.29	U	2.9	UD	0.31	U

Notes:

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**Summary of Total VOCs in Soil
Caemmerer Yard West Investigation**

Table O.2-40

Location ID	E-10		E-10A		E-10A	
Sample ID	E-10-SW-2-3		E-10A-SW-2-4		E-10A-SW-5-9	
Depth	2-3		2-4		5-9	
Dilution Factor	1.0		1.0		1.0	
Sample Date	9/28/2004		9/30/2004		9/30/2004	
Unit	ug/Kg		ug/Kg		ug/Kg	
1,1,1-TRICHLOROETHANE	0.3	U	0.28	U	0.29	U
1,1,2,2-TETRACHLOROETHANE	0.59	U	0.55	U	0.56	U
1,1,2-TRICHLOROETHANE	0.56	U	0.53	U	0.54	U
1,1-DICHLOROETHANE	0.39	U	0.37	U	0.38	U
1,1-DICHLOROETHYLENE	0.24	U	0.22	U	0.23	U
1,2-DICHLOROETHANE	3.4	U	3.2	U	3.3	U
1,2-DICHLOROPROPANE	0.37	U	0.35	U	0.36	U
METHYL ETHYL KETON (MEK)	2.5	U	2.4	U	2.4	U
4-METHYL-2-PENTANONE	2.7	U	2.5	U	2.6	U
ACETONE	8.3	U	7.8	U	7.9	U
BENZENE	0.22	U	0.21	U	0.21	U
BROMODICHLOROMETHANE	0.37	U	0.35	U	0.35	U
BROMOMETHANE	0.79	U	0.74	U	0.75	U
CARBON DISULFIDE	0.11	U	0.11	U	0.11	U
CARBON TETRACHLORIDE	0.33	U	0.31	U	0.32	U
CHLOROBENZENE	0.39	U	0.37	U	0.37	U
CHLORODIBROMOMETHANE	0.32	U	0.3	U	0.31	U
CHLOROETHANE	0.58	U	0.55	U	0.56	U
CHLOROFORM	0.26	U	0.25	U	0.25	U
CHLOROMETHANE	0.37	U	0.34	U	0.35	U
CIS-1,2-DICHLOROETHENE	0.39	U	0.37	U	0.37	U
CIS-1,3-DICHLOROPROPENE	0.22	U	0.2	U	0.21	U
DICHLOROMETHANE	1.5	JB	4.6	J	0.72	U
ETHYLBENZENE	0.28	U	0.26	U	0.26	U
M/P-XYLENE (a)	0.57	U	0.54	U	0.55	U
O-XYLENE (b)	0.48	U	0.45	U	0.46	U
TOTAL XYLENES (a+b)	-		-		-	
METHYL N-BUTYL KETONE	3.6	U	3.3	U	3.4	U
METHYLBENZENE	0.29	U	0.27	U	0.28	U
STYRENE (MONOMER)	0.35	U	0.33	U	0.33	U
TETRACHLOROETHENE	0.71	U	0.66	U	0.68	U
TRANS-1,2-DICHLOROETHENE	0.41	U	0.39	U	0.39	U
TRANS-1,3-DICHLOROPROPENE	0.28	U	0.27	U	0.27	U
TRIBOMOMETHANE	0.33	U	0.31	U	0.32	U
TRICHLOROETHYLENE	0.36	U	0.33	U	0.34	U
VINYL CHLORIDE	0.26	U	0.24	U	0.25	U

Notes:

ug/kg - micrograms per kilogram

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**Summary of Total VOCs in Soil
Caemmerer Yard West Investigation**

Table O.2-40

Location ID	E-15		E-15		E-15	
Sample ID	E-15-SW-0-2		E-15-SW-5-6		E-15-SW-5-6RE	
Depth	0-2		5-6		5-6	
Dilution Factor	1.0		1.0		1.0	
Sample Date	10/1/2004		10/1/2004		10/1/2004	
Unit	ug/Kg		ug/Kg		ug/Kg	
1,1,1-TRICHLOROETHANE	0.3	U	0.31	U	0.31	U
1,1,2,2-TETRACHLOROETHANE	0.58	U	0.6	U	0.6	U
1,1,2-TRICHLOROETHANE	0.56	U	0.57	U	0.57	U
1,1-DICHLOROETHANE	0.39	U	0.4	U	0.4	U
1,1-DICHLOROETHYLENE	0.24	U	0.24	U	0.24	U
1,2-DICHLOROETHANE	3.4	U	3.5	U	3.5	U
1,2-DICHLOROPROPANE	0.37	U	0.38	U	0.38	U
METHYL ETHYL KETON (MEK)	2.5	U	2.6	U	2.6	U
4-METHYL-2-PENTANONE	2.6	U	2.7	U	2.7	U
ACETONE	8.2	U	8.5	U	8.5	U
BENZENE	0.22	U	0.23	U	0.23	U
BROMODICHLOROMETHANE	0.37	U	0.38	U	0.38	U
BROMOMETHANE	0.78	U	0.8	U	0.8	U
CARBON DISULFIDE	0.11	U	0.11	U	0.11	U
CARBON TETRACHLORIDE	0.33	U	0.34	U	0.34	U
CHLOROENZENE	0.39	U	0.4	U	0.4	U
CHLORODIBROMOMETHANE	0.32	U	0.33	U	0.33	U
CHLOROETHANE	0.58	U	0.6	U	0.6	U
CHLOROFORM	0.26	U	0.27	U	0.27	U
CHLOROMETHANE	0.36	U	0.38	U	0.38	U
CIS-1,2-DICHLOROETHENE	0.39	U	0.4	U	0.4	U
CIS-1,3-DICHLOROPROPENE	0.21	U	0.22	U	0.22	U
DICHLOROMETHANE	4.8	J	3.6	J	6.3	
ETHYLBENZENE	0.27	U	0.28	U	0.28	U
M/P-XYLENE (a)	0.56	U	0.58	U	0.58	U
O-XYLENE (b)	0.47	U	0.49	U	0.49	U
TOTAL XYLENES (a+b)	-		-		-	
METHYL N-BUTYL KETONE	3.5	U	3.6	U	3.6	U
METHYLBENZENE	0.28	U	0.29	U	0.29	U
STYRENE (MONOMER)	0.34	U	0.36	U	0.36	U
TETRACHLOROETHENE	0.7	U	0.72	U	0.72	U
TRANS-1,2-DICHLOROETHENE	0.41	U	0.42	U	0.42	U
TRANS-1,3-DICHLOROPROPENE	0.28	U	0.29	U	0.29	U
TRIBOMOMETHANE	0.33	U	0.34	U	0.34	U
TRICHLOROETHYLENE	0.35	U	0.36	U	0.36	U
VINYL CHLORIDE	0.26	U	0.27	U	0.27	U

Notes:

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**Summary of Total VOCs in Soil
Caemmerer Yard West Investigation**

Table O.2-40

Location ID	E-15		E-15		E-15	
Sample ID	E-15-SW-12-14		E-15-SW-12-14RE		E-15-SW-14-17	
Depth	12-14		12-14		14-17	
Dilution Factor	1.0		1.0		1.0	
Sample Date	10/4/2004		10/4/2004		10/4/2004	
Unit	ug/Kg		ug/Kg		ug/Kg	
1,1,1-TRICHLOROETHANE	0.31	U	0.31	U	0.33	U
1,1,2,2-TETRACHLOROETHANE	0.6	U	0.6	U	0.65	U
1,1,2-TRICHLOROETHANE	0.57	U	0.57	U	0.62	U
1,1-DICHLOROETHANE	0.4	U	0.4	U	0.44	U
1,1-DICHLOROETHYLENE	0.24	U	0.24	U	0.27	U
1,2-DICHLOROETHANE	3.5	U	3.5	U	3.8	U
1,2-DICHLOROPROPANE	0.38	U	0.38	U	0.41	U
METHYL ETHYL KETON (MEK)	2.6	U	2.6	U	2.8	U
4-METHYL-2-PENTANONE	2.7	U	2.7	U	3	U
ACETONE	8.5	U	8.5	U	9.2	U
BENZENE	1.5	J	0.23	U	20	U
BROMODICHLOROMETHANE	0.38	U	0.38	U	0.41	U
BROMOMETHANE	0.8	U	0.8	U	0.87	U
CARBON DISULFIDE	0.11	U	0.11	U	0.12	U
CARBON TETRACHLORIDE	0.34	U	0.34	U	0.37	U
CHLOROETHANE	0.4	U	0.4	U	0.43	U
CHLORODIBROMOMETHANE	0.33	U	0.33	U	0.36	U
CHLOROETHANE	0.6	U	0.6	U	0.65	U
CHLOROFORM	0.27	U	0.27	U	0.29	U
CHLOROMETHANE	0.38	U	0.38	U	0.41	U
CIS-1,2-DICHLOROETHENE	0.4	U	0.4	U	0.43	U
CIS-1,3-DICHLOROPROPENE	0.22	U	0.22	U	0.24	U
DICHLOROMETHANE	4.3	J	2.3	J	4.1	J
ETHYLBENZENE	0.28	U	0.28	U	0.31	U
M/P-XYLENE (a)	0.58	U	0.58	U	0.63	U
O-XYLENE (b)	0.49	U	0.49	U	0.53	U
TOTAL XYLENES (a+b)	-		-		-	
METHYL N-BUTYL KETONE	3.6	U	3.6	U	3.9	U
METHYLBENZENE	0.29	U	0.29	U	0.32	U
STYRENE (MONOMER)	0.36	U	0.36	U	0.39	U
TETRACHLOROETHENE	0.72	U	0.72	U	0.78	U
TRANS-1,2-DICHLOROETHENE	0.42	U	0.42	U	0.46	U
TRANS-1,3-DICHLOROPROPENE	0.29	U	0.29	U	0.32	U
TRIBOMOMETHANE	0.34	U	0.34	U	0.37	U
TRICHLOROETHYLENE	0.36	U	0.36	U	0.4	U
VINYL CHLORIDE	0.27	U	0.27	U	0.29	U

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**Summary of Total VOCs in Soil
Caemmerer Yard West Investigation**

Table O.2-40

Location ID	E-40		E-40		E-40	
Sample ID	E-40-SW-2-4		DUP-S-10-05-04		E-40-SW-6-8	
Depth	2-4		2-4		6-8	
Dilution Factor	1.0		1.0		1.0	
Sample Date	10/5/2004		10/5/2004		10/5/2004	
Unit	ug/Kg		ug/Kg		ug/Kg	
1,1,1-TRICHLOROETHANE	0.29	U	0.29	U	0.4	U
1,1,2,2-TETRACHLOROETHANE	0.57	U	0.56	U	0.78	U
1,1,2-TRICHLOROETHANE	0.54	U	0.53	U	0.74	U
1,1-DICHLOROETHANE	0.38	U	0.37	U	0.52	U
1,1-DICHLOROETHYLENE	0.23	U	0.23	U	0.32	U
1,2-DICHLOROETHANE	3.3	U	3.2	U	4.5	U
1,2-DICHLOROPROPANE	0.36	U	0.35	U	0.49	U
METHYL ETHYL KETON (MEK)	2.4	U	2.4	U	3.3	U
4-METHYL-2-PENTANONE	2.6	U	2.5	U	3.5	U
ACETONE	8	U	7.9	U	11	U
BENZENE	0.22	U	0.21	U	0.3	U
BROMODICHLOROMETHANE	0.36	U	0.35	U	0.49	U
BROMOMETHANE	0.76	U	0.75	U	1	U
CARBON DISULFIDE	0.11	U	0.11	U	5.4	J
CARBON TETRACHLORIDE	0.32	U	0.31	U	0.44	U
CHLOROENZENE	0.38	U	0.37	U	0.52	U
CHLORODIBROMOMETHANE	0.31	U	0.31	U	0.43	U
CHLOROETHANE	0.56	U	0.55	U	0.77	U
CHLOROFORM	0.25	U	0.25	U	0.35	U
CHLOROMETHANE	0.36	U	0.35	U	0.49	U
CIS-1,2-DICHLOROETHENE	0.38	U	0.37	U	0.52	U
CIS-1,3-DICHLOROPROPENE	0.21	U	0.2	U	0.29	U
DICHLOROMETHANE	1.7	J	1.1	J	4.3	J
ETHYLBENZENE	0.27	U	0.26	U	0.37	U
M/P-XYLENE (a)	0.55	U	0.54	U	0.76	U
O-XYLENE (b)	0.46	U	0.45	U	0.64	U
TOTAL XYLENES (a+b)	-		-		-	
METHYL N-BUTYL KETONE	3.4	U	3.4	U	4.7	U
METHYLBENZENE	0.28	U	0.27	U	0.38	U
STYRENE (MONOMER)	0.34	U	0.33	U	0.46	U
TETRACHLOROETHENE	0.68	U	0.67	U	0.93	U
TRANS-1,2-DICHLOROETHENE	0.4	U	0.39	U	0.55	U
TRANS-1,3-DICHLOROPROPENE	0.28	U	0.27	U	0.38	U
TRIBOMOMETHANE	0.32	U	0.31	U	0.44	U
TRICHLOROETHYLENE	0.34	U	0.34	U	0.47	U
VINYL CHLORIDE	0.25	U	0.25	U	0.35	U

Notes:

ug/kg - micrograms per kilogram

DUP - denotes field duplicate of preceding sample

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

J - Indicates an estimated value

B - Indicates the analyte was found in the blank

D - Indicates the compound identified in an analysis at a secondary dilution factor.

E - Indicates the analyte's concentration exceeds the calibration range of the instrument for that specific analysis

**Summary of Total VOCs in Soil
Caemmerer Yard West Investigation**

Table O.2-40

Location ID	E-40		E-40		E-40	
Sample ID	E-40-SW-6-8RE		E-40-SW-14-16		E-40-SW-20-22	
Depth	6-8		14-16		20-22	
Dilution Factor	1.0		1.0		1.0	
Sample Date	10/5/2004		10/5/2004		10/5/2004	
Unit	ug/Kg		ug/Kg		ug/Kg	
1,1,1-TRICHLOROETHANE	0.4	U	0.33	U	0.33	U
1,1,2,2-TETRACHLOROETHANE	0.78	U	0.65	U	0.65	U
1,1,2-TRICHLOROETHANE	0.74	U	0.62	U	0.62	U
1,1-DICHLOROETHANE	0.52	U	0.44	U	0.44	U
1,1-DICHLOROETHYLENE	0.32	U	0.27	U	0.27	U
1,2-DICHLOROETHANE	4.5	U	3.8	U	3.8	U
1,2-DICHLOROPROPANE	0.49	U	0.41	U	0.41	U
METHYL ETHYL KETON (MEK)	3.3	U	2.8	U	2.8	U
4-METHYL-2-PENTANONE	3.5	U	3	U	3	U
ACETONE	11	U	41		9.2	U
BENZENE	0.3	U	0.25	U	0.25	U
BROMODICHLOROMETHANE	0.49	U	0.41	U	0.41	U
BROMOMETHANE	1	U	0.87	U	0.87	U
CARBON DISULFIDE	0.15	U	0.12	U	0.12	U
CARBON TETRACHLORIDE	0.44	U	0.37	U	0.37	U
CHLOROENZENE	0.52	U	0.43	U	0.43	U
CHLORODIBROMOMETHANE	0.43	U	0.36	U	0.36	U
CHLOROETHANE	0.77	U	0.65	U	0.65	U
CHLOROFORM	0.35	U	0.29	U	0.29	U
CHLOROMETHANE	0.49	U	0.41	U	0.41	U
CIS-1,2-DICHLOROETHENE	0.52	U	0.43	U	0.43	U
CIS-1,3-DICHLOROPROPENE	0.29	U	0.24	U	0.24	U
DICHLOROMETHANE	1	U	0.84	U	0.84	U
ETHYLBENZENE	0.37	U	0.31	U	0.31	U
M/P-XYLENE (a)	0.76	U	0.63	U	0.63	U
O-XYLENE (b)	0.64	U	0.53	U	0.53	U
TOTAL XYLENES (a+b)	-		-		-	
METHYL N-BUTYL KETONE	4.7	U	3.9	U	3.9	U
METHYLBENZENE	0.38	U	0.32	U	0.32	U
STYRENE (MONOMER)	0.46	U	0.39	U	0.39	U
TETRACHLOROETHENE	0.93	U	0.78	U	0.78	U
TRANS-1,2-DICHLOROETHENE	0.55	U	0.46	U	0.46	U
TRANS-1,3-DICHLOROPROPENE	0.38	U	0.32	U	0.32	U
TRIBOMOMETHANE	0.44	U	0.37	U	0.37	U
TRICHLOROETHYLENE	0.47	U	0.4	U	0.4	U
VINYL CHLORIDE	0.35	U	0.29	U	0.29	U

Notes:

ug/kg - micrograms per kilogram

DUP - denotes field duplicate of preceding sample

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

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B - Indicates the analyte was found in the blank

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**Summary of Total VOCs in Soil
Caemmerer Yard West Investigation**

Table O.2-40

Location ID	E-61		E-61		E-61	
Sample ID	E-61-SW-2-4		E-61-SW-8-10		E-61-SW-16-18	
Depth	2-4		8-10		16-18	
Dilution Factor	1.0		1.0		1.0	
Sample Date	10/3/2004		10/3/2004		10/4/2004	
Unit	ug/Kg		ug/Kg		ug/Kg	
1,1,1-TRICHLOROETHANE	0.32	U	0.31	U	0.33	U
1,1,2,2-TETRACHLOROETHANE	0.62	U	0.61	U	0.65	U
1,1,2-TRICHLOROETHANE	0.6	U	0.58	U	0.62	U
1,1-DICHLOROETHANE	0.42	U	0.41	U	0.43	U
1,1-DICHLOROETHYLENE	0.25	U	0.25	U	0.26	U
1,2-DICHLOROETHANE	3.6	U	3.5	U	3.8	U
1,2-DICHLOROPROPANE	0.39	U	0.39	U	0.41	U
METHYL ETHYL KETON (MEK)	2.7	U	2.6	U	2.8	U
4-METHYL-2-PENTANONE	2.8	U	2.8	U	2.9	U
ACETONE	8.8	U	35		18	J
BENZENE	0.24	U	0.23	U	3.3	J
BROMODICHLOROMETHANE	0.39	U	0.38	U	0.41	U
BROMOMETHANE	0.83	U	0.81	U	0.86	U
CARBON DISULFIDE	0.12	U	5.3	J	1.9	J
CARBON TETRACHLORIDE	0.35	U	0.34	U	0.36	U
CHLOROETHANE	0.41	U	0.4	U	0.43	U
CHLORODIBROMOMETHANE	0.34	U	0.33	U	0.35	U
CHLOROETHANE	0.62	U	0.6	U	0.64	U
CHLOROFORM	0.28	U	0.27	U	0.29	U
CHLOROMETHANE	0.39	U	0.38	U	0.4	U
CIS-1,2-DICHLOROETHENE	0.41	U	0.4	U	0.43	U
CIS-1,3-DICHLOROPROPENE	0.23	U	0.22	U	0.24	U
DICHLOROMETHANE	5.2	J	4.6	J	2.6	J
ETHYLBENZENE	0.29	U	0.29	U	0.3	U
M/P-XYLENE (a)	0.6	U	0.59	U	0.63	U
O-XYLENE (b)	0.51	U	0.5	U	0.53	U
TOTAL XYLENES (a+b)	-		-		-	
METHYL N-BUTYL KETONE	3.8	U	3.7	U	3.9	U
METHYLBENZENE	0.3	U	0.3	U	0.32	U
STYRENE (MONOMER)	0.37	U	0.36	U	0.38	U
TETRACHLOROETHENE	0.75	U	0.73	U	0.77	U
TRANS-1,2-DICHLOROETHENE	0.44	U	0.43	U	0.45	U
TRANS-1,3-DICHLOROPROPENE	0.3	U	0.29	U	0.31	U
TRIBOMOMETHANE	0.35	U	0.34	U	0.36	U
TRICHLOROETHYLENE	0.38	U	0.37	U	0.39	U
VINYL CHLORIDE	0.28	U	0.27	U	0.29	U

Notes:

ug/kg - micrograms per kilogram

DUP - denotes field duplicate of preceding sample

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

J - Indicates an estimated value

B - Indicates the analyte was found in the blank

D - Indicates the compound identified in an analysis at a secondary dilution factor.

E - Indicates the analyte's concentration exceeds the calibration range of the instrument for that specific analy

**Summary of Total VOCs in Soil
Caemmerer Yard West Investigation**

Table O.2-40

Location ID	E-61		E-61		E-61	
Sample ID	E-61-SW-18-20		E-61-SW-22-24		E-61-SW-24-26	
Depth	18-20		22-24		24-26	
Dilution Factor	1.0		10.0		10.0	
Sample Date	10/4/2004		10/4/2004		10/4/2004	
Unit	ug/Kg		ug/Kg		ug/Kg	
1,1,1-TRICHLOROETHANE	42	U	380	U	470	U
1,1,2,2-TETRACHLOROETHANE	51	U	460	U	570	U
1,1,2-TRICHLOROETHANE	54	U	480	U	590	U
1,1-DICHLOROETHANE	22	U	200	U	250	U
1,1-DICHLOROETHYLENE	33	U	300	U	370	U
1,2-DICHLOROETHANE	33	U	300	U	370	U
1,2-DICHLOROPROPANE	33	U	290	U	360	U
METHYL ETHYL KETON (MEK)	290	U	2600	U	3200	U
4-METHYL-2-PENTANONE	140	U	1200	U	1500	U
ACETONE	340	U	3100	U	3800	U
BENZENE	580		2200	J	1200	J
BROMODICHLOROMETHANE	36	U	320	U	400	U
BROMOMETHANE	81	U	730	U	890	U
CARBON DISULFIDE	41	U	360	U	450	U
CARBON TETRACHLORIDE	49	U	440	U	540	U
CHLOROENZENE	38	U	340	U	420	U
CHLORODIBROMOMETHANE	39	U	350	U	430	U
CHLOROETHANE	92	U	820	U	1000	U
CHLOROFORM	60	U	530	U	660	U
CHLOROMETHANE	71	U	630	U	780	U
CIS-1,2-DICHLOROETHENE	80	U	720	U	880	U
CIS-1,3-DICHLOROPROPENE	16	U	140	U	170	U
DICHLOROMETHANE	65	U	580	U	710	U
ETHYLBENZENE	15000		120000		84000	
M/P-XYLENE (a)	14000		120000		76000	
O-XYLENE (b)	8600		44000		34000	
TOTAL XYLENES (a+b)	22600		164000		110000	
METHYL N-BUTYL KETONE	68	U	610	U	750	U
METHYLBENZENE	4000		12000		3700	J
STYRENE (MONOMER)	4800		1000	J	390	U
TETRACHLOROETHENE	34	U	310	U	380	U
TRANS-1,2-DICHLOROETHENE	53	U	480	U	590	U
TRANS-1,3-DICHLOROPROPENE	44	U	400	U	490	U
TRIBOMOMETHANE	26	U	230	U	290	U
TRICHLOROETHYLENE	70	U	620	U	770	U
VINYL CHLORIDE	28	U	250	U	310	U

Notes:

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D - Indicates the compound identified in an analysis at a secondary dilution factor.

E - Indicates the analyte's concentration exceeds the calibration range of the instrument for that specific analysis

**Summary of Total VOCs in Soil
Caemmerer Yard West Investigation**

Table O.2-40

Location ID	E-13		E-13		E-13	
Sample ID	E-13-GH-2-3		E-13-GH-2-3RE		E-13-GH-5-7	
Depth	2-3		2-3		5-7	
Dilution Factor	1.0		1.0		1.0	
Sample Date	9/16/2004		9/16/2004		9/16/2004	
Unit	ug/Kg		ug/Kg		ug/Kg	
1,1,1-TRICHLOROETHANE	0.32	U	0.32	U	0.28	U
1,1,2,2-TETRACHLOROETHANE	0.62	U	0.62	U	0.55	U
1,1,2-TRICHLOROETHANE	0.6	U	0.6	U	0.53	U
1,1-DICHLOROETHANE	0.42	U	0.42	U	0.37	U
1,1-DICHLOROETHYLENE	0.25	U	0.25	U	0.22	U
1,2-DICHLOROETHANE	3.6	U	3.6	U	3.2	U
1,2-DICHLOROPROPANE	0.39	U	0.39	U	0.35	U
METHYL ETHYL KETON (MEK)	2.7	U	2.7	U	2.4	U
4-METHYL-2-PENTANONE	2.8	U	2.8	U	2.5	U
ACETONE	180		130		84	
BENZENE	2.2	J	3.4	J	0.21	U
BROMODICHLOROMETHANE	0.39	U	0.39	U	0.35	U
BROMOMETHANE	0.83	U	0.83	U	0.74	U
CARBON DISULFIDE	0.12	U	0.12	U	6.7	
CARBON TETRACHLORIDE	0.35	U	0.35	U	0.31	U
CHLOROENZENE	0.41	U	0.41	U	0.37	U
CHLORODIBROMOMETHANE	0.34	U	0.34	U	0.3	U
CHLOROETHANE	0.62	U	0.62	U	0.55	U
CHLOROFORM	0.28	U	0.28	U	0.25	U
CHLOROMETHANE	0.39	U	0.39	U	0.34	U
CIS-1,2-DICHLOROETHENE	0.41	U	0.41	U	0.37	U
CIS-1,3-DICHLOROPROPENE	0.23	U	0.23	U	0.2	U
DICHLOROMETHANE	7.8		16		0.71	U
ETHYLBENZENE	0.29	U	0.29	U	0.26	U
M/P-XYLENE (a)	0.6	U	0.6	U	0.54	U
O-XYLENE (b)	0.51	U	0.51	U	0.45	U
TOTAL XYLENES (a+b)	-		-		-	
METHYL N-BUTYL KETONE	3.8	U	3.8	U	3.3	U
METHYLBENZENE	0.3	U	0.3	U	0.27	U
STYRENE (MONOMER)	0.37	U	0.37	U	0.33	U
TETRACHLOROETHENE	0.75	U	0.75	U	0.66	U
TRANS-1,2-DICHLOROETHENE	0.44	U	0.44	U	0.39	U
TRANS-1,3-DICHLOROPROPENE	0.3	U	0.3	U	0.27	U
TRIBOMOMETHANE	0.35	U	0.35	U	0.31	U
TRICHLOROETHYLENE	0.38	U	0.38	U	0.33	U
VINYL CHLORIDE	0.28	U	0.28	U	0.24	U

Notes:

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**Summary of Total VOCs in Soil
Caemmerer Yard West Investigation**

Table O.2-40

Location ID	E-13		E-19		E-19	
Sample ID	E-13-GH-5-7RE		E-19-GH-0-2		E-19-GH-2-4	
Depth	5-7		0-2		2-4	
Dilution Factor	1.0		1.0		1.0	
Sample Date	9/16/2004		9/25/2004		9/25/2004	
Unit	ug/Kg		ug/Kg		ug/Kg	
1,1,1-TRICHLOROETHANE	0.28	U	0.29	U	0.32	U
1,1,2,2-TETRACHLOROETHANE	0.55	U	0.56	U	0.62	U
1,1,2-TRICHLOROETHANE	0.53	U	0.53	U	0.59	U
1,1-DICHLOROETHANE	0.37	U	0.37	U	0.41	U
1,1-DICHLOROETHYLENE	0.22	U	0.23	U	0.25	U
1,2-DICHLOROETHANE	3.2	U	3.2	U	3.6	U
1,2-DICHLOROPROPANE	0.35	U	0.35	U	0.39	U
METHYL ETHYL KETON (MEK)	2.4	U	2.4	U	2.6	U
4-METHYL-2-PENTANONE	2.5	U	2.5	U	2.8	U
ACETONE	110		7.9	U	8.7	U
BENZENE	0.21	U	3.3	J	0.23	U
BROMODICHLOROMETHANE	0.35	U	0.35	U	0.39	U
BROMOMETHANE	0.74	U	0.75	U	0.82	U
CARBON DISULFIDE	8.4		0.11	U	0.12	U
CARBON TETRACHLORIDE	0.31	U	0.31	U	0.35	U
CHLOROETHANE	0.37	U	0.37	U	0.41	U
CHLORODIBROMOMETHANE	0.3	U	0.31	U	0.34	U
CHLOROETHANE	0.55	U	0.55	U	0.61	U
CHLOROFORM	0.25	U	0.25	U	0.28	U
CHLOROMETHANE	0.34	U	0.35	U	0.38	U
CIS-1,2-DICHLOROETHENE	0.37	U	0.37	U	0.41	U
CIS-1,3-DICHLOROPROPENE	0.2	U	0.2	U	0.23	U
DICHLOROMETHANE	0.71	U	0.72	U	0.79	U
ETHYLBENZENE	0.26	U	0.26	U	0.29	U
M/P-XYLENE (a)	0.54	U	0.54	U	0.6	U
O-XYLENE (b)	0.45	U	0.45	U	0.5	U
TOTAL XYLENES (a+b)	-		-		-	
METHYL N-BUTYL KETONE	3.3	U	3.4	U	3.7	U
METHYLBENZENE	0.27	U	0.27	U	1.4	J
STYRENE (MONOMER)	0.33	U	0.33	U	0.36	U
TETRACHLOROETHENE	0.66	U	0.67	U	0.74	U
TRANS-1,2-DICHLOROETHENE	0.39	U	0.39	U	0.43	U
TRANS-1,3-DICHLOROPROPENE	0.27	U	0.27	U	0.3	U
TRIBOMOMETHANE	0.31	U	0.31	U	0.35	U
TRICHLOROETHYLENE	0.33	U	0.34	U	0.37	U
VINYL CHLORIDE	0.24	U	0.25	U	0.27	U

Notes:

ug/kg - micrograms per kilogram

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**Summary of Total VOCs in Soil
Caemmerer Yard West Investigation**

Table O.2-40

Location ID	E-19		E-19		E-19	
Sample ID	E-19-GH-7-8		E-19-GH-7-8RE		E-19-GH-10-12	
Depth	7-8		7-8		10-12	
Dilution Factor	1.0		1.0		1.0	
Sample Date	9/25/2004		9/25/2004		9/25/2004	
Unit	ug/Kg		ug/Kg		ug/Kg	
1,1,1-TRICHLOROETHANE	0.32	U	0.32	U	0.36	U
1,1,2,2-TETRACHLOROETHANE	0.63	U	0.63	U	0.71	U
1,1,2-TRICHLOROETHANE	0.6	U	0.6	U	0.67	U
1,1-DICHLOROETHANE	0.42	U	0.42	U	0.47	U
1,1-DICHLOROETHYLENE	0.26	U	0.26	U	0.29	U
1,2-DICHLOROETHANE	3.7	U	3.7	U	4.1	U
1,2-DICHLOROPROPANE	0.4	U	0.4	U	0.45	U
METHYL ETHYL KETON (MEK)	2.7	U	2.7	U	3	U
4-METHYL-2-PENTANONE	2.9	U	2.9	U	3.2	U
ACETONE	21	J	25	J	23	J
BENZENE	0.24	U	2.1	J	0.27	U
BROMODICHLOROMETHANE	0.4	U	0.4	U	0.44	U
BROMOMETHANE	0.84	U	0.84	U	0.94	U
CARBON DISULFIDE	0.12	U	1.5	J	0.13	U
CARBON TETRACHLORIDE	0.35	U	0.35	U	0.4	U
CHLOROETHANE	0.42	U	0.42	U	0.47	U
CHLORODIBROMOMETHANE	0.35	U	0.35	U	0.39	U
CHLOROETHANE	0.62	U	0.62	U	0.7	U
CHLOROFORM	0.28	U	0.28	U	0.32	U
CHLOROMETHANE	0.39	U	0.39	U	0.44	U
CIS-1,2-DICHLOROETHENE	0.42	U	0.42	U	0.47	U
CIS-1,3-DICHLOROPROPENE	0.23	U	0.23	U	0.26	U
DICHLOROMETHANE	0.81	U	1.9	J	0.91	U
ETHYLBENZENE	0.3	U	0.3	U	0.33	U
M/P-XYLENE (a)	0.61	U	0.61	U	0.69	U
O-XYLENE (b)	0.51	U	0.51	U	0.58	U
TOTAL XYLENES (a+b)	-		-		-	
METHYL N-BUTYL KETONE	3.8	U	3.8	U	4.3	U
METHYLBENZENE	1.7	J	3.7	J	0.35	U
STYRENE (MONOMER)	0.37	U	0.37	U	0.42	U
TETRACHLOROETHENE	0.76	U	0.76	U	0.85	U
TRANS-1,2-DICHLOROETHENE	0.44	U	0.44	U	0.49	U
TRANS-1,3-DICHLOROPROPENE	0.3	U	0.3	U	0.34	U
TRIBOMOMETHANE	0.36	U	0.36	U	0.4	U
TRICHLOROETHYLENE	0.38	U	0.38	U	0.43	U
VINYL CHLORIDE	0.28	U	0.28	U	0.31	U

Notes:

ug/kg - micrograms per kilogram

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**Summary of Total VOCs in Soil
Caemmerer Yard West Investigation**

Table O.2-40

Location ID	E-19		E-19		E-19	
Sample ID	E-19-GH-10-12RE		E-19-GH-12-14		E-19-GH-17-19	
Depth	10-12		12-14		17-19	
Dilution Factor	1.0		1.0		1.0	
Sample Date	9/25/2004		9/25/2004		9/25/2004	
Unit	ug/Kg		ug/Kg		ug/Kg	
1,1,1-TRICHLOROETHANE	0.36	U	0.34	U	0.33	U
1,1,2,2-TETRACHLOROETHANE	0.71	U	0.66	U	0.64	U
1,1,2-TRICHLOROETHANE	0.67	U	0.63	U	0.61	U
1,1-DICHLOROETHANE	0.47	U	0.44	U	0.43	U
1,1-DICHLOROETHYLENE	0.29	U	0.27	U	0.26	U
1,2-DICHLOROETHANE	4.1	U	3.8	U	3.7	U
1,2-DICHLOROPROPANE	0.45	U	0.42	U	0.4	U
METHYL ETHYL KETON (MEK)	3	U	2.8	U	2.7	U
4-METHYL-2-PENTANONE	3.2	U	3	U	2.9	U
ACETONE	27	J	18	J	38	
BENZENE	2.4	J	0.25	U	0.24	U
BROMODICHLOROMETHANE	0.44	U	0.42	U	0.4	U
BROMOMETHANE	0.94	U	0.88	U	0.85	U
CARBON DISULFIDE	0.13	U	0.13	U	0.12	U
CARBON TETRACHLORIDE	0.4	U	0.37	U	0.36	U
CHLOROETHANE	0.47	U	0.44	U	0.42	U
CHLORODIBROMOMETHANE	0.39	U	0.36	U	0.35	U
CHLOROETHANE	0.7	U	0.66	U	0.63	U
CHLOROFORM	0.32	U	0.3	U	0.29	U
CHLOROMETHANE	0.44	U	0.41	U	0.4	U
CIS-1,2-DICHLOROETHENE	0.47	U	0.44	U	0.42	U
CIS-1,3-DICHLOROPROPENE	0.26	U	0.24	U	0.23	U
DICHLOROMETHANE	0.91	U	1.6	J	1.5	J
ETHYLBENZENE	4.8	J	0.31	U	0.3	U
M/P-XYLENE (a)	0.69	U	0.64	U	0.62	U
O-XYLENE (b)	4.8	J	0.54	U	0.52	U
TOTAL XYLENES (a+b)	4.8		-		-	
METHYL N-BUTYL KETONE	4.3	U	4	U	3.9	U
METHYLBENZENE	2.7	J	0.32	U	2.5	J
STYRENE (MONOMER)	0.42	U	0.39	U	0.38	U
TETRACHLOROETHENE	0.85	U	0.79	U	0.77	U
TRANS-1,2-DICHLOROETHENE	0.49	U	0.46	U	0.45	U
TRANS-1,3-DICHLOROPROPENE	0.34	U	0.32	U	0.31	U
TRIBOMOMETHANE	0.4	U	0.37	U	0.36	U
TRICHLOROETHYLENE	0.43	U	0.4	U	0.39	U
VINYL CHLORIDE	0.31	U	0.29	U	0.28	U

Notes:

ug/kg - micrograms per kilogram

DUP - denotes field duplicate of preceding sample

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

J - Indicates an estimated value

B - Indicates the analyte was found in the blank

D - Indicates the compound identified in an analysis at a secondary dilution factor.

E - Indicates the analyte's concentration exceeds the calibration range of the instrument for that specific analysis

**Summary of Total VOCs in Soil
Caemmerer Yard West Investigation**

Table O.2-40

Location ID	E-19		E-20		E-20	
Sample ID	E-19-GH-19-21		E-20-GH-2-4		E-20-GH-4-6	
Depth	19-21		2-4		4-6	
Dilution Factor	1.0		1.0		1.0	
Sample Date	9/25/2004		9/21/2004		9/21/2004	
Unit	ug/Kg		ug/Kg		ug/Kg	
1,1,1-TRICHLOROETHANE	0.35	U	0.3	U	0.3	U
1,1,2,2-TETRACHLOROETHANE	0.68	U	0.59	U	0.59	U
1,1,2-TRICHLOROETHANE	0.65	U	0.56	U	0.56	U
1,1-DICHLOROETHANE	0.45	U	0.39	U	0.39	U
1,1-DICHLOROETHYLENE	0.28	U	0.24	U	0.24	U
1,2-DICHLOROETHANE	3.9	U	3.4	U	3.4	U
1,2-DICHLOROPROPANE	0.43	U	0.37	U	0.37	U
METHYL ETHYL KETON (MEK)	2.9	U	2.5	U	2.5	U
4-METHYL-2-PENTANONE	3.1	U	2.7	U	2.7	U
ACETONE	19	J	63		55	
BENZENE	0.26	U	0.22	U	0.22	U
BROMODICHLOROMETHANE	0.43	U	0.37	U	0.37	U
BROMOMETHANE	0.91	U	0.79	U	0.79	U
CARBON DISULFIDE	1.9	J	1.2	J	1.4	J
CARBON TETRACHLORIDE	0.38	U	0.33	U	0.33	U
CHLOROBENZENE	0.45	U	0.39	U	0.39	U
CHLORODIBROMOMETHANE	0.37	U	0.32	U	0.32	U
CHLOROETHANE	0.67	U	0.58	U	0.58	U
CHLOROFORM	0.3	U	0.26	U	0.26	U
CHLOROMETHANE	0.42	U	0.37	U	0.37	U
CIS-1,2-DICHLOROETHENE	0.45	U	0.39	U	0.39	U
CIS-1,3-DICHLOROPROPENE	0.25	U	0.22	U	0.22	U
DICHLOROMETHANE	0.87	U	2.3	J	1.4	J
ETHYLBENZENE	0.32	U	0.28	U	0.28	U
M/P-XYLENE (a)	0.66	U	0.57	U	0.57	U
O-XYLENE (b)	0.55	U	0.48	U	0.48	U
TOTAL XYLENES (a+b)	-		-		-	
METHYL N-BUTYL KETONE	4.1	U	3.6	U	3.6	U
METHYLBENZENE	2.4	J	0.29	U	0.29	U
STYRENE (MONOMER)	0.4	U	0.35	U	0.35	U
TETRACHLOROETHENE	0.81	U	0.71	U	0.71	U
TRANS-1,2-DICHLOROETHENE	0.48	U	0.41	U	0.41	U
TRANS-1,3-DICHLOROPROPENE	0.33	U	0.28	U	0.28	U
TRIBOMOMETHANE	0.38	U	0.33	U	0.33	U
TRICHLOROETHYLENE	0.41	U	0.36	U	0.36	U
VINYL CHLORIDE	0.3	U	0.26	U	0.26	U

Notes:

ug/kg - micrograms per kilogram

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**Summary of Total VOCs in Soil
Caemmerer Yard West Investigation**

Table O.2-40

Location ID	E-20		E-20		E-20	
Sample ID	E-20-GH-8-10		E-20-GH-12-14		E-20-GH-41-45	
Depth	8-10		12-14		41-45	
Dilution Factor	1.0		1.0		1.0	
Sample Date	9/21/2004		9/21/2004		9/21/2004	
Unit	ug/Kg		ug/Kg		ug/Kg	
1,1,1-TRICHLOROETHANE	0.33	U	0.35	U	0.39	U
1,1,2,2-TETRACHLOROETHANE	0.65	U	0.68	U	0.77	U
1,1,2-TRICHLOROETHANE	0.62	U	0.65	U	0.73	U
1,1-DICHLOROETHANE	0.44	U	0.45	U	0.51	U
1,1-DICHLOROETHYLENE	0.27	U	0.28	U	0.31	U
1,2-DICHLOROETHANE	3.8	U	3.9	U	4.5	U
1,2-DICHLOROPROPANE	0.41	U	0.43	U	0.49	U
METHYL ETHYL KETON (MEK)	2.8	U	2.9	U	3.3	U
4-METHYL-2-PENTANONE	3	U	3.1	U	3.5	U
ACETONE	9.2	U	9.6	U	11	U
BENZENE	0.25	U	0.26	U	0.29	U
BROMODICHLOROMETHANE	0.41	U	0.43	U	0.48	U
BROMOMETHANE	0.87	U	0.91	U	1	U
CARBON DISULFIDE	0.12	U	0.13	U	0.15	U
CARBON TETRACHLORIDE	0.37	U	0.38	U	0.43	U
CHLOROETHANE	0.43	U	0.45	U	0.51	U
CHLORODIBROMOMETHANE	0.36	U	0.37	U	0.42	U
CHLOROETHANE	0.65	U	0.67	U	0.76	U
CHLOROFORM	0.29	U	0.3	U	0.34	U
CHLOROMETHANE	0.41	U	0.42	U	0.48	U
CIS-1,2-DICHLOROETHENE	0.43	U	0.45	U	0.51	U
CIS-1,3-DICHLOROPROPENE	0.24	U	0.25	U	0.28	U
DICHLOROMETHANE	0.84	U	7.5		0.99	U
ETHYLBENZENE	0.31	U	0.32	U	0.36	U
M/P-XYLENE (a)	0.63	U	0.66	U	0.74	U
O-XYLENE (b)	0.53	U	0.55	U	0.63	U
TOTAL XYLENES (a+b)	-		-		-	
METHYL N-BUTYL KETONE	3.9	U	4.1	U	4.6	U
METHYLBENZENE	0.32	U	0.33	U	0.38	U
STYRENE (MONOMER)	0.39	U	0.4	U	0.45	U
TETRACHLOROETHENE	0.78	U	0.81	U	0.92	U
TRANS-1,2-DICHLOROETHENE	0.46	U	0.48	U	0.54	U
TRANS-1,3-DICHLOROPROPENE	0.32	U	0.33	U	0.37	U
TRIBOMOMETHANE	0.37	U	0.38	U	0.43	U
TRICHLOROETHYLENE	0.4	U	0.41	U	0.46	U
VINYL CHLORIDE	0.29	U	0.3	U	0.34	U

Notes:

ug/kg - micrograms per kilogram

DUP - denotes field duplicate of preceding sample

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B - Indicates the analyte was found in the blank

D - Indicates the compound identified in an analysis at a secondary dilution factor.

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**Summary of Total VOCs in Soil
Caemmerer Yard West Investigation**

Table O.2-40

Location ID	E-21		E-21		E-21	
Sample ID	E-21-GH-0-2		E-21-GH-2-4		E-21-GH-6-8	
Depth	0-2		2-4		6-8	
Dilution Factor	1.0		1.0		1.0	
Sample Date	9/16/2004		9/16/2004		9/16/2004	
Unit	ug/Kg		ug/Kg		ug/Kg	
1,1,1-TRICHLOROETHANE	0.3	U	0.31	U	0.32	U
1,1,2,2-TETRACHLOROETHANE	0.59	U	0.61	U	0.62	U
1,1,2-TRICHLOROETHANE	0.57	U	0.58	U	0.6	U
1,1-DICHLOROETHANE	0.4	U	0.41	U	0.42	U
1,1-DICHLOROETHYLENE	0.24	U	0.25	U	0.25	U
1,2-DICHLOROETHANE	3.5	U	3.5	U	3.6	U
1,2-DICHLOROPROPANE	0.38	U	0.39	U	0.39	U
METHYL ETHYL KETON (MEK)	2.6	U	11	J	2.7	U
4-METHYL-2-PENTANONE	2.7	U	2.8	U	2.8	U
ACETONE	38		130		75	
BENZENE	0.23	U	0.23	U	0.24	U
BROMODICHLOROMETHANE	0.37	U	0.38	U	0.39	U
BROMOMETHANE	0.8	U	0.81	U	0.83	U
CARBON DISULFIDE	0.11	U	7.4		2	J
CARBON TETRACHLORIDE	0.33	U	0.34	U	0.35	U
CHLOROENZENE	0.4	U	0.4	U	0.41	U
CHLORODIBROMOMETHANE	0.33	U	0.33	U	0.34	U
CHLOROETHANE	0.59	U	0.6	U	0.62	U
CHLOROFORM	0.27	U	0.27	U	0.28	U
CHLOROMETHANE	0.37	U	0.38	U	0.39	U
CIS-1,2-DICHLOROETHENE	0.4	U	0.4	U	0.41	U
CIS-1,3-DICHLOROPROPENE	0.22	U	0.22	U	0.23	U
DICHLOROMETHANE	0.76	U	0.78	U	2.3	J
ETHYLBENZENE	0.28	U	0.29	U	0.29	U
M/P-XYLENE (a)	0.58	U	0.59	U	0.6	U
O-XYLENE (b)	0.49	U	0.5	U	0.51	U
TOTAL XYLENES (a+b)	-		-		-	
METHYL N-BUTYL KETONE	3.6	U	3.7	U	3.8	U
METHYLBENZENE	0.29	U	0.3	U	0.3	U
STYRENE (MONOMER)	0.35	U	0.36	U	0.37	U
TETRACHLOROETHENE	0.71	U	0.73	U	0.75	U
TRANS-1,2-DICHLOROETHENE	0.42	U	0.43	U	0.44	U
TRANS-1,3-DICHLOROPROPENE	0.29	U	0.29	U	0.3	U
TRIBOMOMETHANE	0.34	U	0.34	U	0.35	U
TRICHLOROETHYLENE	0.36	U	0.37	U	0.38	U
VINYL CHLORIDE	0.26	U	0.27	U	0.28	U

Notes:

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**Summary of Total VOCs in Soil
Caemmerer Yard West Investigation**

Table O.2-40

Location ID	E-21		E-31		E-31	
Sample ID	E-21-GH-20-22		E-31-GH-4-6		E-31-GH-16-18	
Depth	20-22		4-6		16-18	
Dilution Factor	1.0		1.0		1.0	
Sample Date	9/16/2004		9/16/2004		9/16/2004	
Unit	ug/Kg		ug/Kg		ug/Kg	
1,1,1-TRICHLOROETHANE	0.33	U	0.29	U	0.46	U
1,1,2,2-TETRACHLOROETHANE	0.65	U	0.57	U	0.9	U
1,1,2-TRICHLOROETHANE	0.62	U	0.55	U	0.86	U
1,1-DICHLOROETHANE	0.43	U	0.38	U	0.6	U
1,1-DICHLOROETHYLENE	0.26	U	0.23	U	0.36	U
1,2-DICHLOROETHANE	3.8	U	3.3	U	5.2	U
1,2-DICHLOROPROPANE	0.41	U	0.36	U	0.57	U
METHYL ETHYL KETON (MEK)	2.8	U	2.5	U	78	U
4-METHYL-2-PENTANONE	2.9	U	2.6	U	4.1	U
ACETONE	9.1	U	66	U	620	U
BENZENE	0.25	U	0.22	U	0.34	U
BROMODICHLOROMETHANE	0.41	U	0.36	U	0.56	U
BROMOMETHANE	0.86	U	0.77	U	1.2	U
CARBON DISULFIDE	0.12	U	0.11	U	4	J
CARBON TETRACHLORIDE	0.36	U	0.32	U	0.51	U
CHLOROENZENE	0.43	U	0.38	U	0.6	U
CHLORODIBROMOMETHANE	0.35	U	0.32	U	0.49	U
CHLOROETHANE	0.64	U	0.57	U	0.89	U
CHLOROFORM	0.29	U	0.26	U	0.4	U
CHLOROMETHANE	0.4	U	0.36	U	0.56	U
CIS-1,2-DICHLOROETHENE	0.43	U	0.38	U	0.6	U
CIS-1,3-DICHLOROPROPENE	0.24	U	0.21	U	0.33	U
DICHLOROMETHANE	0.83	U	0.74	U	1.2	U
ETHYLBENZENE	0.3	U	0.27	U	0.42	U
M/P-XYLENE (a)	0.63	U	0.56	U	0.87	U
O-XYLENE (b)	0.53	U	0.47	U	0.73	U
TOTAL XYLENES (a+b)	-		-		-	
METHYL N-BUTYL KETONE	3.9	U	3.5	U	5.4	U
METHYLBENZENE	0.32	U	0.28	U	0.44	U
STYRENE (MONOMER)	0.38	U	0.34	U	0.53	U
TETRACHLOROETHENE	0.77	U	0.69	U	1.1	U
TRANS-1,2-DICHLOROETHENE	0.45	U	0.4	U	0.63	U
TRANS-1,3-DICHLOROPROPENE	0.31	U	0.28	U	0.43	U
TRIBOMOMETHANE	0.36	U	0.32	U	0.51	U
TRICHLOROETHYLENE	0.39	U	0.35	U	0.54	U
VINYL CHLORIDE	0.29	U	0.26	U	0.4	U

Notes:

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**Summary of Total VOCs in Soil
Caemmerer Yard West Investigation**

Table O.2-40

Location ID	SB-E-03		SB-E-03		SB-H-22	
Sample ID	SB-E-03-GH-2-4		SB-E-03-GH-14-16		SB-H-22-GH-1-2	
Depth	2-4		14-16		1-2	
Dilution Factor	1.0		1.0		1.0	
Sample Date	9/22/04		9/22/04		9/25/2004	
Unit	ug/Kg		ug/Kg		ug/Kg	
1,1,1-TRICHLOROETHANE	0.28	U	0.36	U	0.31	U
1,1,2,2-TETRACHLOROETHANE	0.55	U	0.71	U	0.61	U
1,1,2-TRICHLOROETHANE	0.53	U	0.67	U	0.58	U
1,1-DICHLOROETHANE	0.37	U	0.47	U	0.41	U
1,1-DICHLOROETHYLENE	0.22	U	0.29	U	0.25	U
1,2-DICHLOROETHANE	3.2	U	4.1	U	3.5	U
1,2-DICHLOROPROPANE	0.35	U	0.45	U	0.39	U
METHYL ETHYL KETON (MEK)	2.4	U	3	U	2.6	U
4-METHYL-2-PENTANONE	2.5	U	3.2	U	2.8	U
ACETONE	7.8	U	9.9	U	30	U
BENZENE	0.21	U	0.27	U	5.6	J
BROMODICHLOROMETHANE	0.35	U	0.44	U	0.38	U
BROMOMETHANE	0.74	U	0.94	U	0.81	U
CARBON DISULFIDE	0.11	U	0.13	U	1.2	J
CARBON TETRACHLORIDE	0.31	U	0.4	U	0.34	U
CHLOROBENZENE	0.37	U	0.47	U	0.4	U
CHLORODIBROMOMETHANE	0.3	U	0.39	U	0.33	U
CHLOROETHANE	0.55	U	0.7	U	0.6	U
CHLOROFORM	0.25	U	0.32	U	0.27	U
CHLOROMETHANE	0.34	U	0.44	U	0.38	U
CIS-1,2-DICHLOROETHENE	0.37	U	0.47	U	0.4	U
CIS-1,3-DICHLOROPROPENE	0.2	U	0.26	U	0.22	U
DICHLOROMETHANE	2.8	J	0.91	U	1.3	J
ETHYLBENZENE	0.26	U	0.33	U	0.29	U
M/P-XYLENE (a)	0.54	U	0.69	U	0.59	U
O-XYLENE (b)	0.45	U	0.58	U	0.5	U
TOTAL XYLENES (a+b)	-		-		-	
METHYL N-BUTYL KETONE	3.3	U	4.3	U	3.7	U
METHYLBENZENE	0.27	U	0.35	U	6.9	U
STYRENE (MONOMER)	0.33	U	0.42	U	0.36	U
TETRACHLOROETHENE	0.66	U	0.85	U	0.73	U
TRANS-1,2-DICHLOROETHENE	0.39	U	0.49	U	0.43	U
TRANS-1,3-DICHLOROPROPENE	0.27	U	0.34	U	0.29	U
TRIBOMOMETHANE	0.31	U	0.4	U	0.34	U
TRICHLOROETHYLENE	0.33	U	0.43	U	0.37	U
VINYL CHLORIDE	0.24	U	0.31	U	0.27	U

Notes:

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**Summary of Total VOCs in Soil
Caemmerer Yard West Investigation**

Table O.2-40

Location ID	SB-H-22		SB-H-22		SB-H-22	
Sample ID	SB-H-22-GH-6-8		SB-H-22-GH-11-15		SB-H-22-GH-15-16	
Depth	6-8		11-15		15-16	
Dilution Factor	1.0		1.0		1.0	
Sample Date	9/25/2004		9/25/2004		9/25/2004	
Unit	ug/Kg		ug/Kg		ug/Kg	
1,1,1-TRICHLOROETHANE	0.3	U	0.36	U	0.33	U
1,1,2,2-TETRACHLOROETHANE	0.59	U	0.71	U	0.64	U
1,1,2-TRICHLOROETHANE	0.57	U	0.67	U	0.61	U
1,1-DICHLOROETHANE	0.4	U	0.47	U	0.43	U
1,1-DICHLOROETHYLENE	0.24	U	0.29	U	0.26	U
1,2-DICHLOROETHANE	3.5	U	4.1	U	3.7	U
1,2-DICHLOROPROPANE	0.38	U	0.45	U	0.4	U
METHYL ETHYL KETON (MEK)	2.6	U	3	U	2.7	U
4-METHYL-2-PENTANONE	2.7	U	3.2	U	2.9	U
ACETONE	25	J	32	J	21	J
BENZENE	0.23	U	0.27	U	0.24	U
BROMODICHLOROMETHANE	0.37	U	0.44	U	0.4	U
BROMOMETHANE	0.8	U	0.94	U	0.85	U
CARBON DISULFIDE	3.4	J	0.13	U	1.8	J
CARBON TETRACHLORIDE	0.33	U	0.4	U	0.36	U
CHLOROETHANE	0.4	U	0.47	U	0.42	U
CHLORODIBROMOMETHANE	0.33	U	0.39	U	0.35	U
CHLOROETHANE	0.59	U	0.7	U	0.63	U
CHLOROFORM	0.27	U	0.32	U	0.29	U
CHLOROMETHANE	0.37	U	0.44	U	0.4	U
CIS-1,2-DICHLOROETHENE	0.4	U	0.47	U	0.42	U
CIS-1,3-DICHLOROPROPENE	0.22	U	0.26	U	0.23	U
DICHLOROMETHANE	0.76	U	1.9	J	1.3	J
ETHYLBENZENE	0.28	U	0.33	U	0.3	U
M/P-XYLENE (a)	0.58	U	0.69	U	0.62	U
O-XYLENE (b)	0.49	U	0.58	U	0.52	U
TOTAL XYLENES (a+b)	-		-		-	
METHYL N-BUTYL KETONE	3.6	U	4.3	U	3.9	U
METHYLBENZENE	0.29	U	2.9	J	0.31	U
STYRENE (MONOMER)	0.35	U	0.42	U	0.38	U
TETRACHLOROETHENE	0.71	U	0.85	U	0.77	U
TRANS-1,2-DICHLOROETHENE	0.42	U	0.49	U	0.45	U
TRANS-1,3-DICHLOROPROPENE	0.29	U	0.34	U	0.31	U
TRIBOMOMETHANE	0.34	U	0.4	U	0.36	U
TRICHLOROETHYLENE	0.36	U	0.43	U	0.39	U
VINYL CHLORIDE	0.26	U	0.31	U	0.28	U

Notes:

ug/kg - micrograms per kilogram

DUP - denotes field duplicate of preceding sample

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

J - Indicates an estimated value

B - Indicates the analyte was found in the blank

D - Indicates the compound identified in an analysis at a secondary dilution factor.

E - Indicates the analyte's concentration exceeds the calibration range of the instrument for that specific analysis

**Summary of Total VOCs in Soil
Caemmerer Yard West Investigation**

Table O.2-40

Location ID	SB-H-22		SB-H-22		SB-H-22	
Sample ID	SB-H-22-GH-19-23		SB-H-22-GH-23-25		SB-H-22-GH-23-25RE	
Depth	19-23		23-25		23-25	
Dilution Factor	1.0		1.0		1.0	
Sample Date	9/24/2004		9/24/2004		9/26/2004	
Unit	ug/Kg		ug/Kg		ug/Kg	
1,1,1-TRICHLOROETHANE	0.33	U	0.39	U	0.39	U
1,1,2,2-TETRACHLOROETHANE	0.65	U	0.77	U	0.77	U
1,1,2-TRICHLOROETHANE	0.62	U	0.73	U	0.73	U
1,1-DICHLOROETHANE	0.43	U	0.51	U	0.51	U
1,1-DICHLOROETHYLENE	0.26	U	0.31	U	0.31	U
1,2-DICHLOROETHANE	3.8	U	4.5	U	4.5	U
1,2-DICHLOROPROPANE	0.41	U	0.49	U	0.49	U
METHYL ETHYL KETON (MEK)	2.8	U	3.3	U	3.3	U
4-METHYL-2-PENTANONE	2.9	U	3.5	U	3.5	U
ACETONE	61		63		37	
BENZENE	0.25	U	0.29	U	0.29	U
BROMODICHLOROMETHANE	0.41	U	0.48	U	0.48	U
BROMOMETHANE	0.86	U	1	U	1	U
CARBON DISULFIDE	2.4	J	3.3	J	3	J
CARBON TETRACHLORIDE	0.36	U	0.43	U	0.43	U
CHLOROBENZENE	0.43	U	0.51	U	0.51	U
CHLORODIBROMOMETHANE	0.35	U	0.42	U	0.42	U
CHLOROETHANE	0.64	U	0.76	U	0.76	U
CHLOROFORM	0.29	U	0.34	U	0.34	U
CHLOROMETHANE	0.4	U	0.48	U	0.48	U
CIS-1,2-DICHLOROETHENE	0.43	U	0.51	U	0.51	U
CIS-1,3-DICHLOROPROPENE	0.24	U	0.28	U	0.28	U
DICHLOROMETHANE	3.3	J	3.4	J	0.99	U
ETHYLBENZENE	0.3	U	0.36	U	0.36	U
M/P-XYLENE (a)	0.63	U	0.74	U	0.74	U
O-XYLENE (b)	0.53	U	0.63	U	0.63	U
TOTAL XYLENES (a+b)	-		-		-	
METHYL N-BUTYL KETONE	3.9	U	4.6	U	4.6	U
METHYLBENZENE	0.32	U	0.38	U	0.38	U
STYRENE (MONOMER)	0.38	U	0.45	U	0.45	U
TETRACHLOROETHENE	0.77	U	0.92	U	0.92	U
TRANS-1,2-DICHLOROETHENE	0.45	U	0.54	U	0.54	U
TRANS-1,3-DICHLOROPROPENE	0.31	U	0.37	U	0.37	U
TRIBOMOMETHANE	0.36	U	0.43	U	0.43	U
TRICHLOROETHYLENE	0.39	U	0.46	U	0.46	U
VINYL CHLORIDE	0.29	U	0.34	U	0.34	U

Notes:

ug/kg - micrograms per kilogram

DUP - denotes field duplicate of preceding sample

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J - Indicates an estimated value

B - Indicates the analyte was found in the blank

D - Indicates the compound identified in an analysis at a secondary dilution factor.

E - Indicates the analyte's concentration exceeds the calibration range of the instrument for that specific analysis

**Summary of Total SVOCs in Soil
Caemmerer Yard West Investigation**

Table O.2-41

Location ID	SB-H-04		SB-H-04		SB-H-04	
Sample ID	SB-H-04-LIRR-2-4		SB-H-04-LIRR-8-10		SB-H-04-LIRR-12-14	
Depth	2-4		8-10		12-14	
Dilution Factor	1.0		1.0		1.0	
Sample Date	9/21/2004		9/21/2004		9/21/2004	
Unit	ug/Kg		ug/Kg		ug/Kg	
1,2,4-TRICHLOROBENZENE	9.9	U	14	U	12	U
CHRYSENE	11	U	15	U	13	U
1,2-DICHLOROBENZENE	19	U	26	U	23	U
1,4-DICHLOROBENZENE	14	U	20	U	18	U
2,2'-OXYBIS(1-CHLOROPROPANE)	19	U	26	U	23	U
2,4,5-TRICHLOROPHENOL	23	U	31	U	28	U
2,4,6-TRICHLOROPHENOL	12	U	17	U	15	U
2,4-DICHLOROPHENOL	12	U	17	U	15	U
2,4-DIMETHYLPHENOL	19	U	26	U	23	U
2,4-DINITROPHENOL	15	U	21	U	19	U
2,4-DINITROTOLUENE	6.9	U	9.4	U	8.4	U
2,6-DINITROTOLUENE	15	U	20	U	18	U
2-CHLORONAPHTHALENE	7.2	U	9.8	U	8.8	U
2-CHLOROPHENOL	15	U	20	U	18	U
2-METHYLNAPHTHALENE	5.9	U	8.1	U	7.2	U
2-METHYLPHENOL	22	U	30	U	27	U
2-NITROANILINE	12	U	17	U	15	U
2-NITROPHENOL	14	U	19	U	17	U
3,3'-DICHLOROBENZIDINE	55	U	76	U	68	U
ISOPHRONE	13	U	18	U	16	U
3-NITROANILINE	56	U	76	U	68	U
4,6-DINITRO-2-METHYLPHENOL	20	U	27	U	24	U
4-BROMOPHENYL PHENYL ETHER	9	U	12	U	11	U
4-CHLORO-3-METHYLPHENOL	10	U	14	U	12	U
4-CHLOROPHENYL PHENYL ETHER	8.5	U	12	U	10	U
4-METHYLPHENOL	16	U	490		110	J
4-NITROPHENOL	34	U	46	U	41	U
ACENAPHTHYLENE	10	U	14	U	13	U
ACENAPTHENE	7.6	U	10	U	9.3	U
ANTHRACENE	8.2	U	11	U	10	U

Notes:

ug/kg - micrograms per kilogram

DUP - denotes field dup. of preceding sample

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

J - Indicates an estimated value

B - Indicates the analyte was found in the blank

D - Indicates the compound identified in an
analysis at a secondary dilution factor

E - Indicates the analyte's concentration
exceeds the calibration range of the
instrument for that specific analysis

**Summary of Total SVOCs in Soil
Caemmerer Yard West Investigation**

Table O.2-41

Location ID	SB-H-04		SB-H-04		SB-H-04	
Sample ID	SB-H-04-LIRR-2-4		SB-H-04-LIRR-8-10		SB-H-04-LIRR-12-14	
Depth	2-4		8-10		12-14	
Dilution Factor	1.0		1.0		1.0	
Sample Date	9/21/2004		9/21/2004		9/21/2004	
Unit	ug/Kg		ug/Kg		ug/Kg	
BENZO(A)ANTHRACENE	5.2	U	7.1	U	6.4	U
BENZO(A)PYRENE	5.9	U	8.1	U	7.2	U
BENZO(B)FLUORANTHENE	18	U	25	U	22	U
BENZO(G,H,I)PERYLENE	15	U	21	U	18	U
BENZO(K)FLUORANTHENE	12	U	16	U	14	U
BENZYL BUTYL PHTHALATE	12	U	16	U	14	U
BIS(2-CHLOROETHOXY)METHANE	16	U	22	U	19	U
BIS(2-CHLOROETHYL-ETHER	17	U	23	U	21	U
BIS(2-ETHYLHEXYL)PHTHALATE	84	J	81	J	86	J
CARBAZOLE	7.6	U	10	U	9.3	U
DIBENZ(A,H)ANTHRACENE	10	U	14	U	12	U
DIBENZOFURAN	11	U	16	U	14	U
DIETHYL PHTHALATE	11	U	15	U	13	U
DIMETHYL PHTHALATE	8.2	U	11	U	10	U
DI-N-BUTYLPHTHALATE	4.6	U	6.3	U	5.6	U
DI-N-OCTYL PHTHALATE	8.2	U	11	U	10	U
FLUORANTHENE	64	J	6.6	U	5.9	U
FLUORENE	9.8	U	13	U	12	U
HEXACHLORO-1,3-BUTADIENE	12	U	17	U	15	U
HEXACHLOROBENZENE	6.4	U	8.8	U	7.9	U
HEXACHLOROCYCLOPENTADIENE	8.6	U	12	U	11	U
HEXACHLOROETHANE	16	U	23	U	20	U
INDENO(1,2,3-CD)PYRENE	8.3	U	11	U	10	U
M-DICHLOROBENZENE	13	U	17	U	16	U
NAPHTHALENE	7.5	U	10	U	9.2	U
NITROBENZENE	17	U	24	U	21	U
N-NITROSODI-N-PROPYLAMINE	15	U	21	U	19	U
N-NITROSODIPHENYLAMINE	8.7	U	12	U	11	U
P-CHLOROANILINE	130	U	170	U	160	U
PENTACHLOROPHENOL	11	U	15	U	13	U
PHENANTHRENE	58	J	11	U	9.4	U
PHENOL	14	U	20	U	18	U
P-NITROANILINE	27	U	37	U	33	U
PYRENE	58	J	8.4	U	7.5	U

Notes:

ug/kg - micrograms per kilogram

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but was not detected

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B - Indicates the analyte was found in the blank

D - Indicates the compound identified in an
analysis at a secondary dilution factor

E - Indicates the analyte's concentration
exceeds the calibration range of the
instrument for that specific analysis

**Summary of Total SVOCs in Soil
Caemmerer Yard West Investigation**

Table O.2-41

Location ID	SB-H-04		SB-H-05		SB-H-05	
Sample ID	SB-H-04-LIRR-18-20		SB-H-05-LIRR-4-6		SB-H-05-LIRR-10-12	
Depth	18-20		4-6		10-12	
Dilution Factor	1.0		1.0		1.0	
Sample Date	9/21/2004		9/17/2004		9/21/2004	
Unit	ug/Kg		ug/Kg		ug/Kg	
1,2,4-TRICHLOROENZENE	16	U	40	U	13	U
CHRYSENE	18	U	790	J	56	J
1,2-DICHLOROENZENE	30	U	76	U	24	U
1,4-DICHLOROENZENE	23	U	58	U	18	U
2,2'-OXYBIS(1-CHLOROPROPANE)	30	U	76	U	24	U
2,4,5-TRICHLOROPHENOL	37	U	92	U	29	U
2,4,6-TRICHLOROPHENOL	20	U	51	U	16	U
2,4-DICHLOROPHENOL	20	U	49	U	15	U
2,4-DIMETHYLPHENOL	30	U	76	U	24	U
2,4-DINITROPHENOL	25	U	62	U	19	U
2,4-DINITROTOLUENE	11	U	28	U	8.8	U
2,6-DINITROTOLUENE	24	U	59	U	19	U
2-CHLORONAPHTHALENE	12	U	29	U	9.2	U
2-CHLOROPHENOL	24	U	60	U	19	U
2-METHYLNAPHTHALENE	9.6	U	24	U	7.6	U
2-METHYLPHENOL	35	U	88	U	28	U
2-NITROANILINE	20	U	51	U	16	U
2-NITROPHENOL	23	U	56	U	18	U
3,3'-DICHLOROBENZIDINE	90	U	220	U	71	U
ISOPHRONE	21	U	52	U	16	U
3-NITROANILINE	90	U	230	U	71	U
4,6-DINITRO-2-METHYLPHENOL	32	U	81	U	26	U
4-BROMOPHENYL PHENYL ETHER	15	U	37	U	12	U
4-CHLORO-3-METHYLPHENOL	17	U	41	U	13	U
4-CHLOROPHENYL PHENYL ETHER	14	U	35	U	11	U
4-METHYLPHENOL	26	U	64	U	20	U
4-NITROPHENOL	55	U	140	U	43	U
ACENAPHTHYLENE	17	U	42	U	13	U
ACENAPHTHENE	12	U	31	U	9.7	U
ANTHRACENE	13	U	550	J	10	U

Notes:

ug/kg - micrograms per kilogram

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D - Indicates the compound identified in an
analysis at a secondary dilution factor

E - Indicates the analyte's concentration
exceeds the calibration range of the
instrument for that specific analysis

**Summary of Total SVOCs in Soil
Caemmerer Yard West Investigation**

Table O.2-41

Location ID	SB-H-04		SB-H-05		SB-H-05	
Sample ID	SB-H-04-LIRR-18-20		SB-H-05-LIRR-4-6		SB-H-05-LIRR-10-12	
Depth	18-20		4-6		10-12	
Dilution Factor	1.0		1.0		1.0	
Sample Date	9/21/2004		9/17/2004		9/21/2004	
Unit	ug/Kg		ug/Kg		ug/Kg	
BENZO(A)ANTHRACENE	8.5	U	920	J	60	J
BENZO(A)PYRENE	9.6	U	720	J	7.6	U
BENZO(B)FLUORANTHENE	30	U	1000	J	23	U
BENZO(G,H,I)PERYLENE	24	U	190	J	19	U
BENZO(K)FLUORANTHENE	19	U	460	J	15	U
BENZYL BUTYL PHTHALATE	19	U	47	U	15	U
BIS(2-CHLOROETHOXY)METHANE	26	U	64	U	20	U
BIS(2-CHLOROETHYL-ETHER	28	U	69	U	22	U
BIS(2-ETHYLHEXYL)PHTHALATE	110	J	360	J	110	J
CARBAZOLE	12	U	31	U	9.7	U
DIBENZ(A,H)ANTHRACENE	16	U	41	U	13	U
DIBENZOFURAN	18	U	240	J	14	U
DIETHYL PHTHALATE	18	U	44	U	14	U
DIMETHYL PHTHALATE	13	U	33	U	10	U
DI-N-BUTYLPHTHALATE	7.4	U	19	U	5.8	U
DI-N-OCTYL PHTHALATE	13	U	33	U	10	U
FLUORANTHENE	7.8	U	2100		74	J
FLUORENE	16	U	380	J	12	U
HEXACHLORO-1,3-BUTADIENE	20	U	49	U	15	U
HEXACHLOROBENZENE	10	U	26	U	8.2	U
HEXACHLOROCYCLOPENTADIENE	14	U	35	U	11	U
HEXACHLOROETHANE	27	U	67	U	21	U
INDENO(1,2,3-CD)PYRENE	14	U	34	U	11	U
M-DICHLOROBENZENE	21	U	51	U	16	U
NAPHTHALENE	12	U	30	U	9.6	U
NITROBENZENE	28	U	71	U	22	U
N-NITROSODI-N-PROPYLAMINE	25	U	62	U	19	U
N-NITROSODIPHENYLAMINE	14	U	35	U	11	U
P-CHLOROANILINE	210	U	520	U	160	U
PENTACHLOROPHENOL	17	U	43	U	14	U
PHENANTHRENE	120	J	1900		63	J
PHENOL	23	U	58	U	18	U
P-NITROANILINE	44	U	110	U	34	U
PYRENE	10	U	1700		73	J

Notes:

ug/kg - micrograms per kilogram

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B - Indicates the analyte was found in the blank

D - Indicates the compound identified in an
analysis at a secondary dilution factor

E - Indicates the analyte's concentration
exceeds the calibration range of the
instrument for that specific analysis

**Summary of Total SVOCs in Soil
Caemmerer Yard West Investigation**

Table O.2-41

Location ID	SB-H-05		SB-H-06		SB-H-06	
Sample ID	SB-H-05-LIRR-18-20		SB-H-06-LIRR-2-4		SB-H-06-LIRR-8-10	
Depth	18-20		2-4		8-10	
Dilution Factor	1.0		1.0		1.0	
Sample Date	9/21/2004		9/22/2004		9/22/2004	
Unit	ug/Kg		ug/Kg		ug/Kg	
1,2,4-TRICHLORO BENZENE	12	U	9.4	U	9.4	U
CHRYSENE	13	U	200	J	10	U
1,2-DICHLORO BENZENE	23	U	18	U	18	U
1,4-DICHLORO BENZENE	18	U	14	U	14	U
2,2'-OXYBIS(1-CHLOROPROPANE)	23	U	18	U	18	U
2,4,5-TRICHLOROPHENOL	28	U	22	U	22	U
2,4,6-TRICHLOROPHENOL	15	U	12	U	12	U
2,4-DICHLOROPHENOL	15	U	11	U	11	U
2,4-DIMETHYLPHENOL	23	U	18	U	18	U
2,4-DINITROPHENOL	19	U	14	U	14	U
2,4-DINITROTOLUENE	8.4	U	6.5	U	6.5	U
2,6-DINITROTOLUENE	18	U	14	U	14	U
2-CHLORONAPHTHALENE	8.8	U	6.8	U	6.8	U
2-CHLOROPHENOL	18	U	14	U	14	U
2-METHYLNAPHTHALENE	7.2	U	36	J	5.6	U
2-METHYLPHENOL	27	U	21	U	21	U
2-NITROANILINE	15	U	12	U	12	U
2-NITROPHENOL	17	U	13	U	13	U
3,3'-DICHLOROBENZIDINE	67	U	52	U	52	U
ISOPHRONE	16	U	12	U	12	U
3-NITROANILINE	68	U	53	U	53	U
4,6-DINITRO-2-METHYLPHENOL	24	U	19	U	19	U
4-BROMOPHENYL PHENYL ETHER	11	U	8.6	U	8.6	U
4-CHLORO-3-METHYLPHENOL	12	U	9.7	U	9.7	U
4-CHLOROPHENYL PHENYL ETHER	10	U	8.1	U	8.1	U
4-METHYLPHENOL	19	U	15	U	15	U
4-NITROPHENOL	41	U	32	U	32	U
ACENAPHTHYLENE	13	U	9.8	U	9.8	U
ACENAPHTHENE	9.3	U	54	J	7.2	U
ANTHRACENE	10	U	85	J	7.8	U

Notes:

ug/kg - micrograms per kilogram

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

J - Indicates an estimated value

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D - Indicates the compound identified in an
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E - Indicates the analyte's concentration
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instrument for that specific analysis

**Summary of Total SVOCs in Soil
Caemmerer Yard West Investigation**

Table O.2-41

Location ID	SB-H-05		SB-H-06		SB-H-06	
Sample ID	SB-H-05-LIRR-18-20		SB-H-06-LIRR-2-4		SB-H-06-LIRR-8-10	
Depth	18-20		2-4		8-10	
Dilution Factor	1.0		1.0		1.0	
Sample Date	9/21/2004		9/22/2004		9/22/2004	
Unit	ug/Kg		ug/Kg		ug/Kg	
BENZO(A)ANTHRACENE	6.3	U	190	J	4.9	U
BENZO(A)PYRENE	7.2	U	170	J	5.6	U
BENZO(B)FLUORANTHENE	22	U	210	J	17	U
BENZO(G,H,I)PERYLENE	18	U	93	J	14	U
BENZO(K)FLUORANTHENE	14	U	95	J	11	U
BENZYL BUTYL PHTHALATE	14	U	11	U	11	U
BIS(2-CHLOROETHOXY)METHANE	19	U	15	U	15	U
BIS(2-CHLOROETHYL-ETHER	21	U	16	U	16	U
BIS(2-ETHYLHEXYL)PHTHALATE	53	J	37	J	7.5	U
CARBAZOLE	9.3	U	7.2	U	7.2	U
DIBENZ(A,H)ANTHRACENE	12	U	9.6	U	9.6	U
DIBENZOFURAN	14	U	37	J	11	U
DIETHYL PHTHALATE	13	U	10	U	10	U
DIMETHYL PHTHALATE	10	U	7.8	U	7.8	U
DI-N-BUTYLPHTHALATE	5.6	U	4.3	U	4.3	U
DI-N-OCTYL PHTHALATE	10	U	7.8	U	7.8	U
FLUORANTHENE	5.8	U	400		4.5	U
FLUORENE	12	U	51	J	9.3	U
HEXACHLORO-1,3-BUTADIENE	15	U	11	U	11	U
HEXACHLOROBENZENE	7.9	U	6.1	U	6.1	U
HEXACHLOROCYCLOPENTADIENE	11	U	8.2	U	8.2	U
HEXACHLOROETHANE	20	U	16	U	16	U
INDENO(1,2,3-CD)PYRENE	10	U	84	J	7.9	U
M-DICHLOROBENZENE	15	U	12	U	12	U
NAPHTHALENE	9.1	U	270	J	370	
NITROBENZENE	21	U	17	U	17	U
N-NITROSODI-N-PROPYLAMINE	19	U	14	U	14	U
N-NITROSODIPHENYLAMINE	11	U	8.3	U	8.3	U
P-CHLOROANILINE	160	U	120	U	120	U
PENTACHLOROPHENOL	13	U	10	U	10	U
PHENANTHRENE	9.4	U	340		7.3	U
PHENOL	18	U	14	U	14	U
P-NITROANILINE	33	U	26	U	26	U
PYRENE	7.5	U	420		5.8	U

Notes:

ug/kg - micrograms per kilogram

DUP - denotes field dup. of preceding sample

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

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B - Indicates the analyte was found in the blank

D - Indicates the compound identified in an
analysis at a secondary dilution factor

E - Indicates the analyte's concentration
exceeds the calibration range of the
instrument for that specific analysis

**Summary of Total SVOCs in Soil
Caemmerer Yard West Investigation**

Table O.2-41

Location ID	SB-H-06		SB-H-06		SB-H-07	
Sample ID	SB-H-06-LIRR-10-12		SB-H-06-LIRR-24-26		SB-H-07-LIRR-2-4	
Depth	10-12		24-26		2-4	
Dilution Factor	1.0		1.0		1.0	
Sample Date	9/22/2004		9/22/2004		10/1/2004	
Unit	ug/Kg		ug/Kg		ug/Kg	
1,2,4-TRICHLOROBENZENE	9.3	U	15	U	10	U
CHRYSENE	10	U	300	J	110	J
1,2-DICHLOROBENZENE	18	U	28	U	20	U
1,4-DICHLOROBENZENE	14	U	22	U	15	U
2,2'-OXYBIS(1-CHLOROPROPANE)	18	U	28	U	20	U
2,4,5-TRICHLOROPHENOL	22	U	34	U	24	U
2,4,6-TRICHLOROPHENOL	12	U	19	U	13	U
2,4-DICHLOROPHENOL	11	U	18	U	13	U
2,4-DIMETHYLPHENOL	18	U	28	U	20	U
2,4-DINITROPHENOL	14	U	23	U	16	U
2,4-DINITROTOLUENE	6.5	U	10	U	7.2	U
2,6-DINITROTOLUENE	14	U	22	U	15	U
2-CHLORONAPHTHALENE	6.8	U	11	U	7.5	U
2-CHLOROPHENOL	14	U	22	U	16	U
2-METHYLNAPHTHALENE	5.6	U	1300		6.2	U
2-METHYLPHENOL	21	U	33	U	23	U
2-NITROANILINE	12	U	19	U	13	U
2-NITROPHENOL	13	U	21	U	15	U
3,3'-DICHLOROBENZIDINE	52	U	83	U	58	U
ISOPHRONE	12	U	19	U	13	U
3-NITROANILINE	53	U	83	U	58	U
4,6-DINITRO-2-METHYLPHENOL	19	U	30	U	21	U
4-BROMOPHENYL PHENYL ETHER	8.6	U	14	U	9.5	U
4-CHLORO-3-METHYLPHENOL	9.6	U	15	U	11	U
4-CHLOROPHENYL PHENYL ETHER	8.1	U	13	U	9	U
4-METHYLPHENOL	15	U	24	U	17	U
4-NITROPHENOL	32	U	50	U	35	U
ACENAPHTHYLENE	9.7	U	15	U	11	U
ACENAPTHENE	7.2	U	270	J	8	U
ANTHRACENE	7.8	U	360	J	44	J

Notes:

ug/kg - micrograms per kilogram

DUP - denotes field dup. of preceding sample

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D - Indicates the compound identified in an analysis at a secondary dilution factor

E - Indicates the analyte's concentration exceeds the calibration range of the instrument for that specific analysis

**Summary of Total SVOCs in Soil
Caemmerer Yard West Investigation**

Table O.2-41

Location ID	SB-H-06		SB-H-06		SB-H-07	
Sample ID	SB-H-06-LIRR-10-12		SB-H-06-LIRR-24-26		SB-H-07-LIRR-2-4	
Depth	10-12		24-26		2-4	
Dilution Factor	1.0		1.0		1.0	
Sample Date	9/22/2004		9/22/2004		10/1/2004	
Unit	ug/Kg		ug/Kg		ug/Kg	
BENZO(A)ANTHRACENE	4.9	U	200	J	140	J
BENZO(A)PYRENE	5.6	U	140	J	110	J
BENZO(B)FLUORANTHENE	17	U	120	J	120	J
BENZO(G,H,I)PERYLENE	14	U	63	J	51	J
BENZO(K)FLUORANTHENE	11	U	63	J	65	J
BENZYL BUTYL PHTHALATE	11	U	17	U	12	U
BIS(2-CHLOROETHOXY)METHANE	15	U	24	U	17	U
BIS(2-CHLOROETHYL-ETHER	16	U	25	U	18	U
BIS(2-ETHYLHEXYL)PHTHALATE	7.5	U	360	J	74	J
CARBAZOLE	7.2	U	11	U	8	U
DIBENZ(A,H)ANTHRACENE	9.5	U	15	U	11	U
DIBENZOFURAN	11	U	17	U	12	U
DIETHYL PHTHALATE	10	U	16	U	11	U
DIMETHYL PHTHALATE	7.8	U	12	U	8.6	U
DI-N-BUTYLPHTHALATE	4.3	U	6.9	U	4.8	U
DI-N-OCTYL PHTHALATE	7.8	U	12	U	8.6	U
FLUORANTHENE	33	J	190	J	260	J
FLUORENE	9.2	U	220	J	10	U
HEXACHLORO-1,3-BUTADIENE	11	U	18	U	13	U
HEXACHLOROBENZENE	6.1	U	9.7	U	6.8	U
HEXACHLOROCYCLOPENTADIENE	8.2	U	13	U	9.1	U
HEXACHLOROETHANE	16	U	25	U	17	U
INDENO(1,2,3-CD)PYRENE	7.9	U	13	U	43	J
M-DICHLOROBENZENE	12	U	19	U	13	U
NAPHTHALENE	220	J	1300		7.9	U
NITROBENZENE	17	U	26	U	18	U
N-NITROSODI-N-PROPYLAMINE	14	U	23	U	16	U
N-NITROSODIPHENYLAMINE	8.3	U	13	U	9.2	U
P-CHLOROANILINE	120	U	190	U	130	U
PENTACHLOROPHENOL	10	U	16	U	11	U
PHENANTHRENE	7.3	U	2100		160	J
PHENOL	14	U	22	U	15	U
P-NITROANILINE	25	U	40	U	28	U
PYRENE	35	J	430	J	220	J

Notes:

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exceeds the calibration range of the
instrument for that specific analysis

**Summary of Total SVOCs in Soil
Caemmerer Yard West Investigation**

Table O.2-41

Location ID	SB-H-07		SB-H-07		SB-H-07	
Sample ID	SB-H-07-LIRR-4-6		SB-H-07-LIRR-14-16		DUP-SB-H-07-LIRR	
Depth	4-6		14-16		14-16	
Dilution Factor	1.0		1.0		1.0	
Sample Date	10/1/2004		10/1/2004		10/1/2004	
Unit	ug/Kg		ug/Kg		ug/Kg	
1,2,4-TRICHLOROENZENE	11	U	12	U	14	U
CHRYSENE	150	J	13	U	16	U
1,2-DICHLOROENZENE	21	U	23	U	27	U
1,4-DICHLOROENZENE	16	U	18	U	21	U
2,2'-OXYBIS(1-CHLOROPROPANE)	21	U	23	U	27	U
2,4,5-TRICHLOROPHENOL	26	U	28	U	33	U
2,4,6-TRICHLOROPHENOL	14	U	15	U	18	U
2,4-DICHLOROPHENOL	14	U	15	U	17	U
2,4-DIMETHYLPHENOL	21	U	23	U	27	U
2,4-DINITROPHENOL	17	U	19	U	22	U
2,4-DINITROTOLUENE	7.8	U	8.4	U	9.8	U
2,6-DINITROTOLUENE	17	U	18	U	21	U
2-CHLORONAPHTHALENE	8.1	U	8.8	U	10	U
2-CHLOROPHENOL	17	U	18	U	21	U
2-METHYLNAPHTHALENE	6.7	U	7.2	U	8.5	U
2-METHYLPHENOL	25	U	27	U	31	U
2-NITROANILINE	14	U	15	U	18	U
2-NITROPHENOL	16	U	17	U	20	U
3,3'-DICHLOROBENZIDINE	62	U	67	U	79	U
ISOPHRONE	14	U	16	U	18	U
3-NITROANILINE	63	U	68	U	80	U
4,6-DINITRO-2-METHYLPHENOL	23	U	24	U	29	U
4-BROMOPHENYL PHENYL ETHER	10	U	11	U	13	U
4-CHLORO-3-METHYLPHENOL	12	U	12	U	15	U
4-CHLOROPHENYL PHENYL ETHER	9.6	U	10	U	12	U
4-METHYLPHENOL	18	U	19	U	23	U
4-NITROPHENOL	38	U	41	U	48	U
ACENAPHTHYLENE	12	U	13	U	15	U
ACENAPHTHENE	8.6	U	9.3	U	11	U
ANTHRACENE	76	J	10	U	12	U

Notes:

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instrument for that specific analysis

**Summary of Total SVOCs in Soil
Caemmerer Yard West Investigation**

Table O.2-41

Location ID	SB-H-07		SB-H-07		SB-H-07	
Sample ID	SB-H-07-LIRR-4-6		SB-H-07-LIRR-14-16		DUP-SB-H-07-LIRR	
Depth	4-6		14-16		14-16	
Dilution Factor	1.0		1.0		1.0	
Sample Date	10/1/2004		10/1/2004		10/1/2004	
Unit	ug/Kg		ug/Kg		ug/Kg	
BENZO(A)ANTHRACENE	200	J	6.3	U	7.5	U
BENZO(A)PYRENE	160	J	7.2	U	8.5	U
BENZO(B)FLUORANTHENE	170	J	22	U	26	U
BENZO(G,H,I)PERYLENE	88	J	18	U	21	U
BENZO(K)FLUORANTHENE	75	J	14	U	17	U
BENZYL BUTYL PHTHALATE	13	U	14	U	17	U
BIS(2-CHLOROETHOXY)METHANE	18	U	19	U	23	U
BIS(2-CHLOROETHYL-ETHER	19	U	21	U	24	U
BIS(2-ETHYLHEXYL)PHTHALATE	68	J	76	J	73	J
CARBAZOLE	8.6	U	9.3	U	11	U
DIBENZ(A,H)ANTHRACENE	11	U	12	U	14	U
DIBENZOFURAN	13	U	14	U	16	U
DIETHYL PHTHALATE	12	U	13	U	16	U
DIMETHYL PHTHALATE	9.3	U	10	U	12	U
DI-N-BUTYLPHTHALATE	5.2	U	5.6	U	6.6	U
DI-N-OCTYL PHTHALATE	9.3	U	10	U	12	U
FLUORANTHENE	360	J	5.8	U	6.9	U
FLUORENE	43	J	12	U	14	U
HEXACHLORO-1,3-BUTADIENE	14	U	15	U	17	U
HEXACHLOROBENZENE	7.3	U	7.9	U	9.2	U
HEXACHLOROCYCLOPENTADIENE	9.8	U	11	U	12	U
HEXACHLOROETHANE	19	U	20	U	24	U
INDENO(1,2,3-CD)PYRENE	69	J	10	U	12	U
M-DICHLOROBENZENE	14	U	15	U	18	U
NAPHTHALENE	8.5	U	9.1	U	11	U
NITROBENZENE	20	U	21	U	25	U
N-NITROSODI-N-PROPYLAMINE	17	U	19	U	22	U
N-NITROSODIPHENYLAMINE	9.9	U	11	U	13	U
P-CHLOROANILINE	140	U	160	U	180	U
PENTACHLOROPHENOL	12	U	13	U	15	U
PHENANTHRENE	310	J	9.4	U	11	U
PHENOL	16	U	18	U	21	U
P-NITROANILINE	30	U	33	U	39	U
PYRENE	310	J	7.5	U	8.8	U

Notes:

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instrument for that specific analysis

**Summary of Total SVOCs in Soil
Caemmerer Yard West Investigation**

Table O.2-41

Location ID	SB-H-07		SB-H-08		SB-H-08	
Sample ID	SB-H-07-LIRR-24-26		SB-H-08-LIRR-2-4		SB-H-08-LIRR-4-6	
Depth	24-26		2-4		4-6	
Dilution Factor	1.0		1.0		1.0	
Sample Date	10/1/2004		10/1/2004		10/1/2004	
Unit	ug/Kg		ug/Kg		ug/Kg	
1,2,4-TRICHLOROBENZENE	15	U	10	U	11	U
CHRYSENE	16	U	12	U	12	U
1,2-DICHLOROBENZENE	28	U	20	U	21	U
1,4-DICHLOROBENZENE	21	U	15	U	16	U
2,2'-OXYBIS(1-CHLOROPROPANE)	28	U	20	U	21	U
2,4,5-TRICHLOROPHENOL	34	U	24	U	26	U
2,4,6-TRICHLOROPHENOL	19	U	13	U	14	U
2,4-DICHLOROPHENOL	18	U	13	U	14	U
2,4-DIMETHYLPHENOL	28	U	20	U	21	U
2,4-DINITROPHENOL	23	U	16	U	17	U
2,4-DINITROTOLUENE	10	U	7.3	U	7.7	U
2,6-DINITROTOLUENE	22	U	16	U	17	U
2-CHLORONAPHTHALENE	11	U	7.6	U	8.1	U
2-CHLOROPHENOL	22	U	16	U	17	U
2-METHYLNAPHTHALENE	8.9	U	6.3	U	6.7	U
2-METHYLPHENOL	33	U	23	U	24	U
2-NITROANILINE	19	U	13	U	14	U
2-NITROPHENOL	21	U	15	U	16	U
3,3'-DICHLOROBENZIDINE	83	U	58	U	62	U
ISOPHRONE	19	U	14	U	14	U
3-NITROANILINE	83	U	59	U	62	U
4,6-DINITRO-2-METHYLPHENOL	30	U	21	U	22	U
4-BROMOPHENYL PHENYL ETHER	14	U	9.6	U	10	U
4-CHLORO-3-METHYLPHENOL	15	U	11	U	11	U
4-CHLOROPHENYL PHENYL ETHER	13	U	9	U	9.6	U
4-METHYLPHENOL	24	U	17	U	18	U
4-NITROPHENOL	50	U	36	U	38	U
ACENAPHTHYLENE	15	U	11	U	12	U
ACENAPTHENE	11	U	8	U	8.5	U
ANTHRACENE	12	U	8.7	U	9.2	U

Notes:

ug/kg - micrograms per kilogram

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exceeds the calibration range of the
instrument for that specific analysis

**Summary of Total SVOCs in Soil
Caemmerer Yard West Investigation**

Table O.2-41

Location ID	SB-H-07		SB-H-08		SB-H-08	
Sample ID	SB-H-07-LIRR-24-26		SB-H-08-LIRR-2-4		SB-H-08-LIRR-4-6	
Depth	24-26		2-4		4-6	
Dilution Factor	1.0		1.0		1.0	
Sample Date	10/1/2004		10/1/2004		10/1/2004	
Unit	ug/Kg		ug/Kg		ug/Kg	
BENZO(A)ANTHRACENE	7.8	U	5.5	U	5.9	U
BENZO(A)PYRENE	8.9	U	6.3	U	6.7	U
BENZO(B)FLUORANTHENE	27	U	19	U	21	U
BENZO(G,H,I)PERYLENE	22	U	16	U	17	U
BENZO(K)FLUORANTHENE	18	U	12	U	13	U
BENZYL BUTYL PHTHALATE	17	U	12	U	13	U
BIS(2-CHLOROETHOXY)METHANE	23	U	17	U	18	U
BIS(2-CHLOROETHYL-ETHER	25	U	18	U	19	U
BIS(2-ETHYLHEXYL)PHTHALATE	70	J	53	J	70	J
CARBAZOLE	11	U	8	U	8.5	U
DIBENZ(A,H)ANTHRACENE	15	U	11	U	11	U
DIBENZOFURAN	17	U	12	U	13	U
DIETHYL PHTHALATE	16	U	11	U	12	U
DIMETHYL PHTHALATE	12	U	8.7	U	9.2	U
DI-N-BUTYLPHTHALATE	6.8	U	4.8	U	5.1	U
DI-N-OCTYL PHTHALATE	12	U	8.7	U	9.2	U
FLUORANTHENE	7.2	U	5.1	U	7.3	J
FLUORENE	15	U	10	U	11	U
HEXACHLORO-1,3-BUTADIENE	18	U	13	U	14	U
HEXACHLOROBENZENE	9.6	U	6.8	U	7.3	U
HEXACHLOROCYCLOPENTADIENE	13	U	9.1	U	9.7	U
HEXACHLOROETHANE	25	U	17	U	18	U
INDENO(1,2,3-CD)PYRENE	12	U	8.8	U	9.4	U
M-DICHLOROBENZENE	19	U	13	U	14	U
NAPHTHALENE	11	U	7.9	U	8.4	U
NITROBENZENE	26	U	18	U	20	U
N-NITROSODI-N-PROPYLAMINE	23	U	16	U	17	U
N-NITROSODIPHENYLAMINE	13	U	9.2	U	9.8	U
P-CHLOROANILINE	190	U	130	U	140	U
PENTACHLOROPHENOL	16	U	11	U	12	U
PHENANTHRENE	12	U	8.1	U	59	J
PHENOL	21	U	15	U	16	U
P-NITROANILINE	40	U	29	U	30	U
PYRENE	9.2	U	6.5	U	64	J

Notes:

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instrument for that specific analysis

**Summary of Total SVOCs in Soil
Caemmerer Yard West Investigation**

Table O.2-41

Location ID	SB-H-08		SB-H-08		SB-H-10	
Sample ID	SB-H-08-LIRR-16-18		SB-H-08-LIRR-18-20		SB-H-10-LIRR-4-6	
Depth	16-18		18-20		4-6	
Dilution Factor	1.0		1.0		1.0	
Sample Date	10/1/2004		10/1/2004		9/22/2004	
Unit	ug/Kg		ug/Kg		ug/Kg	
1,2,4-TRICHLOROBENZENE	11	U	16	U	9.4	U
CHRYSENE	12	U	290	J	41	J
1,2-DICHLOROBENZENE	21	U	31	U	18	U
1,4-DICHLOROBENZENE	16	U	24	U	14	U
2,2'-OXYBIS(1-CHLOROPROPANE)	21	U	31	U	18	U
2,4,5-TRICHLOROPHENOL	26	U	38	U	22	U
2,4,6-TRICHLOROPHENOL	14	U	21	U	12	U
2,4-DICHLOROPHENOL	14	U	20	U	12	U
2,4-DIMETHYLPHENOL	21	U	31	U	18	U
2,4-DINITROPHENOL	17	U	25	U	14	U
2,4-DINITROTOLUENE	7.7	U	11	U	6.5	U
2,6-DINITROTOLUENE	17	U	24	U	14	U
2-CHLORONAPHTHALENE	8.1	U	12	U	6.8	U
2-CHLOROPHENOL	17	U	25	U	14	U
2-METHYLNAPHTHALENE	6.7	U	9.9	U	5.7	U
2-METHYLPHENOL	25	U	36	U	21	U
2-NITROANILINE	14	U	21	U	12	U
2-NITROPHENOL	16	U	23	U	13	U
3,3'-DICHLOROBENZIDINE	62	U	92	U	53	U
ISOPHRONE	14	U	21	U	12	U
3-NITROANILINE	63	U	93	U	53	U
4,6-DINITRO-2-METHYLPHENOL	23	U	33	U	19	U
4-BROMOPHENYL PHENYL ETHER	10	U	15	U	8.6	U
4-CHLORO-3-METHYLPHENOL	12	U	17	U	9.7	U
4-CHLOROPHENYL PHENYL ETHER	9.6	U	14	U	8.1	U
4-METHYLPHENOL	18	U	99	J	15	U
4-NITROPHENOL	38	U	56	U	32	U
ACENAPHTHYLENE	12	U	17	U	9.8	U
ACENAPHTHENE	8.6	U	71	J	7.2	U
ANTHRACENE	9.3	U	150	J	7.8	U

Notes:

ug/kg - micrograms per kilogram

DUP - denotes field dup. of preceding sample

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

J - Indicates an estimated value

B - Indicates the analyte was found in the blank

D - Indicates the compound identified in an analysis at a secondary dilution factor

E - Indicates the analyte's concentration exceeds the calibration range of the instrument for that specific analysis

**Summary of Total SVOCs in Soil
Caemmerer Yard West Investigation**

Table O.2-41

Location ID	SB-H-08		SB-H-08		SB-H-10	
Sample ID	SB-H-08-LIRR-16-18		SB-H-08-LIRR-18-20		SB-H-10-LIRR-4-6	
Depth	16-18		18-20		4-6	
Dilution Factor	1.0		1.0		1.0	
Sample Date	10/1/2004		10/1/2004		9/22/2004	
Unit	ug/Kg		ug/Kg		ug/Kg	
BENZO(A)ANTHRACENE	5.9	U	340	J	34	J
BENZO(A)PYRENE	6.7	U	300	J	33	J
BENZO(B)FLUORANTHENE	21	U	300	J	40	J
BENZO(G,H,I)PERYLENE	17	U	170	J	14	U
BENZO(K)FLUORANTHENE	13	U	150	J	11	U
BENZYL BUTYL PHTHALATE	13	U	19	U	11	U
BIS(2-CHLOROETHOXY)METHANE	18	U	26	U	15	U
BIS(2-CHLOROETHYL-ETHER	19	U	28	U	16	U
BIS(2-ETHYLHEXYL)PHTHALATE	70	J	13	U	69	J
CARBAZOLE	8.6	U	65	J	7.2	U
DIBENZ(A,H)ANTHRACENE	11	U	17	U	9.6	U
DIBENZOFURAN	13	U	19	U	11	U
DIETHYL PHTHALATE	12	U	18	U	10	U
DIMETHYL PHTHALATE	9.3	U	14	U	7.8	U
DI-N-BUTYLPHTHALATE	5.2	U	7.6	U	4.4	U
DI-N-OCTYL PHTHALATE	9.3	U	14	U	7.8	U
FLUORANTHENE	55	J	550	J	55	J
FLUORENE	11	U	100	J	9.3	U
HEXACHLORO-1,3-BUTADIENE	14	U	20	U	12	U
HEXACHLOROBENZENE	7.3	U	11	U	6.1	U
HEXACHLOROCYCLOPENTADIENE	9.7	U	14	U	8.2	U
HEXACHLOROETHANE	19	U	27	U	16	U
INDENO(1,2,3-CD)PYRENE	9.4	U	110	J	7.9	U
M-DICHLOROBENZENE	14	U	21	U	12	U
NAPHTHALENE	8.5	U	180	J	7.1	U
NITROBENZENE	20	U	29	U	17	U
N-NITROSODI-N-PROPYLAMINE	17	U	25	U	14	U
N-NITROSODIPHENYLAMINE	9.9	U	15	U	8.3	U
P-CHLOROANILINE	140	U	210	U	120	U
PENTACHLOROPHENOL	12	U	18	U	10	U
PHENANTHRENE	57	J	510	J	37	J
PHENOL	16	U	24	U	14	U
P-NITROANILINE	30	U	45	U	26	U
PYRENE	52	J	550	J	58	J

Notes:

ug/kg - micrograms per kilogram

DUP - denotes field dup. of preceding sample

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but was not detected

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B - Indicates the analyte was found in the blank

D - Indicates the compound identified in an
analysis at a secondary dilution factor

E - Indicates the analyte's concentration
exceeds the calibration range of the
instrument for that specific analysis

**Summary of Total SVOCs in Soil
Caemmerer Yard West Investigation**

Table O.2-41

Location ID	SB-H-10		SB-H-10		SB-H-10	
Sample ID	DUP-2-09-22-04		SB-H-10-LIRR-6-8		SB-H-10-LIRR-22-24	
Depth	4-6		6-8		22-24	
Dilution Factor	1.0		1.0		1.0	
Sample Date	9/22/2004		9/22/2004		10/1/2004	
Unit	ug/Kg		ug/Kg		ug/Kg	
1,2,4-TRICHLOROBENZENE	9.4	U	9.5	U	11	U
CHRYSENE	75	J	10	U	12	U
1,2-DICHLOROBENZENE	18	U	18	U	21	U
1,4-DICHLOROBENZENE	14	U	14	U	16	U
2,2'-OXYBIS(1-CHLOROPROPANE)	18	U	18	U	21	U
2,4,5-TRICHLOROPHENOL	22	U	22	U	26	U
2,4,6-TRICHLOROPHENOL	12	U	12	U	14	U
2,4-DICHLOROPHENOL	11	U	12	U	14	U
2,4-DIMETHYLPHENOL	18	U	18	U	21	U
2,4-DINITROPHENOL	14	U	15	U	17	U
2,4-DINITROTOLUENE	6.5	U	6.6	U	7.8	U
2,6-DINITROTOLUENE	14	U	14	U	17	U
2-CHLORONAPHTHALENE	6.8	U	6.9	U	8.2	U
2-CHLOROPHENOL	14	U	14	U	17	U
2-METHYLNAPHTHALENE	5.6	U	5.7	U	6.7	U
2-METHYLPHENOL	21	U	21	U	25	U
2-NITROANILINE	12	U	12	U	14	U
2-NITROPHENOL	13	U	13	U	16	U
3,3'-DICHLOROBENZIDINE	53	U	53	U	63	U
ISOPHRONE	12	U	12	U	15	U
3-NITROANILINE	53	U	53	U	63	U
4,6-DINITRO-2-METHYLPHENOL	19	U	19	U	23	U
4-BROMOPHENYL PHENYL ETHER	8.6	U	8.7	U	10	U
4-CHLORO-3-METHYLPHENOL	9.7	U	9.8	U	12	U
4-CHLOROPHENYL PHENYL ETHER	8.1	U	8.2	U	9.7	U
4-METHYLPHENOL	15	U	15	U	18	U
4-NITROPHENOL	32	U	32	U	38	U
ACENAPHTHYLENE	9.8	U	9.9	U	12	U
ACENAPHTHENE	7.2	U	7.3	U	8.6	U
ANTHRACENE	7.8	U	7.9	U	9.3	U

Notes:

ug/kg - micrograms per kilogram

DUP - denotes field dup. of preceding sample

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

J - Indicates an estimated value

B - Indicates the analyte was found in the blank

D - Indicates the compound identified in an analysis at a secondary dilution factor

E - Indicates the analyte's concentration exceeds the calibration range of the instrument for that specific analysis

**Summary of Total SVOCs in Soil
Caemmerer Yard West Investigation**

Table O.2-41

Location ID	SB-H-10		SB-H-10		SB-H-10	
Sample ID	DUP-2-09-22-04		SB-H-10-LIRR-6-8		SB-H-10-LIRR-22-24	
Depth	4-6		6-8		22-24	
Dilution Factor	1.0		1.0		1.0	
Sample Date	9/22/2004		9/22/2004		10/1/2004	
Unit	ug/Kg		ug/Kg		ug/Kg	
BENZO(A)ANTHRACENE	81	J	5	U	5.9	U
BENZO(A)PYRENE	61	J	5.7	U	6.7	U
BENZO(B)FLUORANTHENE	79	J	18	U	21	U
BENZO(G,H,I)PERYLENE	14	U	14	U	17	U
BENZO(K)FLUORANTHENE	38	J	11	U	13	U
BENZYL BUTYL PHTHALATE	11	U	11	U	13	U
BIS(2-CHLOROETHOXY)METHANE	15	U	15	U	18	U
BIS(2-CHLOROETHYL-ETHER	16	U	16	U	19	U
BIS(2-ETHYLHEXYL)PHTHALATE	81	J	44	J	420	J
CARBAZOLE	7.2	U	7.3	U	8.6	U
DIBENZ(A,H)ANTHRACENE	9.6	U	9.7	U	11	U
DIBENZOFURAN	11	U	11	U	13	U
DIETHYL PHTHALATE	10	U	10	U	12	U
DIMETHYL PHTHALATE	7.8	U	7.9	U	9.3	U
DI-N-BUTYLPHTHALATE	4.4	U	4.4	U	5.2	U
DI-N-OCTYL PHTHALATE	7.8	U	7.9	U	9.3	U
FLUORANTHENE	130	J	4.6	U	5.4	U
FLUORENE	9.3	U	9.4	U	11	U
HEXACHLORO-1,3-BUTADIENE	11	U	12	U	14	U
HEXACHLOROBENZENE	6.1	U	6.2	U	7.3	U
HEXACHLOROCYCLOPENTADIENE	8.2	U	8.3	U	9.8	U
HEXACHLOROETHANE	16	U	16	U	19	U
INDENO(1,2,3-CD)PYRENE	7.9	U	8	U	9.5	U
M-DICHLOROBENZENE	12	U	12	U	14	U
NAPHTHALENE	7.1	U	7.2	U	8.5	U
NITROBENZENE	17	U	17	U	20	U
N-NITROSODI-N-PROPYLAMINE	14	U	15	U	17	U
N-NITROSODIPHENYLAMINE	8.3	U	8.4	U	9.9	U
P-CHLOROANILINE	120	U	120	U	140	U
PENTACHLOROPHENOL	10	U	10	U	12	U
PHENANTHRENE	63	J	7.4	U	8.8	J
PHENOL	14	U	14	U	16	U
P-NITROANILINE	26	U	26	U	31	U
PYRENE	120	J	5.9	U	7	U

Notes:

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instrument for that specific analysis

**Summary of Total SVOCs in Soil
Caemmerer Yard West Investigation**

Table O.2-41

Location ID	SB-H-12		SB-H-12		SB-H-12	
Sample ID	SB-H-12-LIRR-0-2		SB-H-12-LIRR-6-9		SB-H-12-LIRR-16-18	
Depth	0-2		6-9		16-18	
Dilution Factor	1.0		1.0		1.0	
Sample Date	10/1/2004		10/2/2004		10/2/2004	
Unit	ug/Kg		ug/Kg		ug/Kg	
1,2,4-TRICHLOROBENZENE	21	U	11	U	12	U
CHRYSENE	23	U	840		65	J
1,2-DICHLOROBENZENE	39	U	21	U	24	U
1,4-DICHLOROBENZENE	30	U	16	U	18	U
2,2'-OXYBIS(1-CHLOROPROPANE)	39	U	21	U	24	U
2,4,5-TRICHLOROPHENOL	48	U	26	U	29	U
2,4,6-TRICHLOROPHENOL	26	U	14	U	16	U
2,4-DICHLOROPHENOL	25	U	14	U	15	U
2,4-DIMETHYLPHENOL	39	U	21	U	24	U
2,4-DINITROPHENOL	32	U	17	U	19	U
2,4-DINITROTOLUENE	14	U	7.7	U	8.7	U
2,6-DINITROTOLUENE	31	U	16	U	19	U
2-CHLORONAPHTHALENE	15	U	8	U	9.1	U
2-CHLOROPHENOL	31	U	17	U	19	U
2-METHYLNAPHTHALENE	12	U	88	J	7.5	U
2-METHYLPHENOL	45	U	24	U	27	U
2-NITROANILINE	26	U	14	U	16	U
2-NITROPHENOL	29	U	16	U	17	U
3,3'-DICHLOROBENZIDINE	120	U	62	U	70	U
ISOPHRONE	27	U	14	U	16	U
3-NITROANILINE	120	U	62	U	70	U
4,6-DINITRO-2-METHYLPHENOL	42	U	22	U	25	U
4-BROMOPHENYL PHENYL ETHER	19	U	10	U	11	U
4-CHLORO-3-METHYLPHENOL	21	U	11	U	13	U
4-CHLOROPHENYL PHENYL ETHER	18	U	9.6	U	11	U
4-METHYLPHENOL	33	U	53	J	20	U
4-NITROPHENOL	70	U	38	U	42	U
ACENAPHTHYLENE	21	U	12	U	13	U
ACENAPTHENE	16	U	250	J	9.6	U
ANTHRACENE	17	U	520		10	U

Notes:

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instrument for that specific analysis

**Summary of Total SVOCs in Soil
Caemmerer Yard West Investigation**

Table O.2-41

Location ID	SB-H-12		SB-H-12		SB-H-12	
Sample ID	SB-H-12-LIRR-0-2		SB-H-12-LIRR-6-9		SB-H-12-LIRR-16-18	
Depth	0-2		6-9		16-18	
Dilution Factor	1.0		1.0		1.0	
Sample Date	10/1/2004		10/2/2004		10/2/2004	
Unit	ug/Kg		ug/Kg		ug/Kg	
BENZO(A)ANTHRACENE	11	U	1000		80	J
BENZO(A)PYRENE	12	U	760		61	J
BENZO(B)FLUORANTHENE	38	U	930		67	J
BENZO(G,H,I)PERYLENE	31	U	270	J	19	U
BENZO(K)FLUORANTHENE	25	U	350	J	15	U
BENZYL BUTYL PHTHALATE	24	U	66	J	15	U
BIS(2-CHLOROETHOXY)METHANE	33	U	18	U	20	U
BIS(2-CHLOROETHYL-ETHER	35	U	19	U	21	U
BIS(2-ETHYLHEXYL)PHTHALATE	95		120	J	58	J
CARBAZOLE	16	U	330	J	9.6	U
DIBENZ(A,H)ANTHRACENE	21	U	11	U	13	U
DIBENZOFURAN	24	U	190	J	14	U
DIETHYL PHTHALATE	23	U	12	U	14	U
DIMETHYL PHTHALATE	17	U	9.2	U	10	U
DI-N-BUTYLPHTHALATE	9.5	U	5.1	U	5.8	U
DI-N-OCTYL PHTHALATE	17	U	9.2	U	10	U
FLUORANTHENE	10	U	1900		160	J
FLUORENE	20	U	330	J	12	U
HEXACHLORO-1,3-BUTADIENE	25	U	14	U	15	U
HEXACHLOROBENZENE	13	U	7.2	U	8.1	U
HEXACHLOROCYCLOPENTADIENE	18	U	9.7	U	11	U
HEXACHLOROETHANE	34	U	18	U	21	U
INDENO(1,2,3-CD)PYRENE	17	U	190	J	11	U
M-DICHLOROBENZENE	26	U	14	U	16	U
NAPHTHALENE	16	U	190	J	9.5	U
NITROBENZENE	36	U	20	U	22	U
N-NITROSODI-N-PROPYLAMINE	32	U	17	U	19	U
N-NITROSODIPHENYLAMINE	18	U	9.8	U	11	U
P-CHLOROANILINE	270	U	140	U	160	U
PENTACHLOROPHENOL	22	U	12	U	14	U
PHENANTHRENE	75	U	2000		150	J
PHENOL	30	U	16	U	18	U
P-NITROANILINE	56	U	30	U	34	U
PYRENE	13	U	1700		130	J

Notes:

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E - Indicates the analyte's concentration
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instrument for that specific analysis

**Summary of Total SVOCs in Soil
Caemmerer Yard West Investigation**

Table O.2-41

Location ID	SB-H-12		SB-H-13		SB-H-13	
Sample ID	SB-H-12-LIRR-28-29		SB-H-13-LIRR-2-4		SB-H-13-LIRR-2-4	
Depth	28-29		2-4		2-4	
Dilution Factor	1.0		2.0		2.0	
Sample Date	10/2/2004		9/25/2004		9/25/2004	
Unit	ug/Kg		ug/Kg		ug/Kg	
1,2,4-TRICHLOROENZENE	11	U	20	U	20	U
CHRYSENE	87	J	22	U	22	U
1,2-DICHLOROENZENE	21	U	38	U	38	U
1,4-DICHLOROENZENE	16	U	29	U	29	U
2,2'-OXYBIS(1-CHLOROPROPANE)	20	U	38	U	38	U
2,4,5-TRICHLOROPHENOL	25	U	46	U	46	U
2,4,6-TRICHLOROPHENOL	14	U	25	U	25	U
2,4-DICHLOROPHENOL	13	U	24	U	24	U
2,4-DIMETHYLPHENOL	20	U	38	U	38	U
2,4-DINITROPHENOL	17	U	31	U	31	U
2,4-DINITROTOLUENE	7.6	U	470	J	470	J
2,6-DINITROTOLUENE	16	U	30	U	30	U
2-CHLORONAPHTHALENE	7.9	U	15	U	15	U
2-CHLOROPHENOL	16	U	30	U	30	U
2-METHYLNAPHTHALENE	6.5	U	12	U	12	U
2-METHYLPHENOL	24	U	44	U	44	U
2-NITROANILINE	14	U	25	U	25	U
2-NITROPHENOL	15	U	28	U	28	U
3,3'-DICHLOROBENZIDINE	61	U	110	U	110	U
ISOPHRONE	14	U	26	U	26	U
3-NITROANILINE	61	U	110	U	110	U
4,6-DINITRO-2-METHYLPHENOL	22	U	40	U	40	U
4-BROMOPHENYL PHENYL ETHER	10	U	18	U	18	U
4-CHLORO-3-METHYLPHENOL	11	U	21	U	21	U
4-CHLOROPHENYL PHENYL ETHER	9.4	U	17	U	17	U
4-METHYLPHENOL	17	U	32	U	32	U
4-NITROPHENOL	37	U	68	U	68	U
ACENAPHTHYLENE	11	U	21	U	21	U
ACENAPHTHENE	54	J	15	U	15	U
ANTHRACENE	87	J	17	U	17	U

Notes:

ug/kg - micrograms per kilogram

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but was not detected

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instrument for that specific analysis

**Summary of Total SVOCs in Soil
Caemmerer Yard West Investigation**

Table O.2-41

Location ID	SB-H-12		SB-H-13		SB-H-13	
Sample ID	SB-H-12-LIRR-28-29		SB-H-13-LIRR-2-4		SB-H-13-LIRR-2-4	
Depth	28-29		2-4		2-4	
Dilution Factor	1.0		2.0		2.0	
Sample Date	10/2/2004		9/25/2004		9/25/2004	
Unit	ug/Kg		ug/Kg		ug/Kg	
BENZO(A)ANTHRACENE	110	J	11	U	11	U
BENZO(A)PYRENE	78	J	12	U	12	U
BENZO(B)FLUORANTHENE	86	J	37	U	37	U
BENZO(G,H,I)PERYLENE	16	U	30	U	30	U
BENZO(K)FLUORANTHENE	39	J	24	U	24	U
BENZYL BUTYL PHTHALATE	13	U	23	U	23	U
BIS(2-CHLOROETHOXY)METHANE	17	U	32	U	32	U
BIS(2-CHLOROETHYL-ETHER	19	U	34	U	34	U
BIS(2-ETHYLHEXYL)PHTHALATE	71	J	16	U	16	U
CARBAZOLE	8.4	U	15	U	15	U
DIBENZ(A,H)ANTHRACENE	11	U	20	U	20	U
DIBENZOFURAN	12	U	23	U	23	U
DIETHYL PHTHALATE	12	U	22	U	22	U
DIMETHYL PHTHALATE	9	U	17	U	17	U
DI-N-BUTYLPHTHALATE	5	U	9.3	U	9.3	U
DI-N-OCTYL PHTHALATE	9	U	17	U	17	U
FLUORANTHENE	240	J	9.7	U	9.7	U
FLUORENE	56	J	20	U	20	U
HEXACHLORO-1,3-BUTADIENE	13	U	24	U	24	U
HEXACHLOROBENZENE	7.1	U	13	U	13	U
HEXACHLOROCYCLOPENTADIENE	9.5	U	17	U	17	U
HEXACHLOROETHANE	18	U	33	U	33	U
INDENO(1,2,3-CD)PYRENE	9.2	U	17	U	17	U
M-DICHLOROBENZENE	14	U	26	U	26	U
NAPHTHALENE	8.2	U	15	U	15	U
NITROBENZENE	19	U	35	U	35	U
N-NITROSODI-N-PROPYLAMINE	17	U	31	U	31	U
N-NITROSODIPHENYLAMINE	9.6	U	18	U	18	U
P-CHLOROANILINE	140	U	260	U	260	U
PENTACHLOROPHENOL	12	U	22	U	22	U
PHENANTHRENE	270	J	16	U	16	U
PHENOL	16	U	29	U	29	U
P-NITROANILINE	30	U	55	U	55	U
PYRENE	190	J	12	U	12	U

Notes:

ug/kg - micrograms per kilogram

DUP - denotes field dup. of preceding sample

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

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B - Indicates the analyte was found in the blank

D - Indicates the compound identified in an
analysis at a secondary dilution factor

E - Indicates the analyte's concentration
exceeds the calibration range of the
instrument for that specific analysis

**Summary of Total SVOCs in Soil
Caemmerer Yard West Investigation**

Table O.2-41

Location ID	SB-H-13		SB-H-13		SB-H-13	
Sample ID	SB-H-13-LIRR-4-6		SB-H-13-LIRR-14-16		SB-H-13-LIRR-24-26	
Depth	4-6		14-16		24-26	
Dilution Factor	2.0		1.0		1.0	
Sample Date	9/25/2004		9/26/2004		9/26/2004	
Unit	ug/Kg		ug/Kg		ug/Kg	
1,2,4-TRICHLOROBENZENE	21	U	12	U	15	U
CHRYSENE	1300		100	J	17	U
1,2-DICHLOROBENZENE	40	U	23	U	29	U
1,4-DICHLOROBENZENE	31	U	18	U	22	U
2,2'-OXYBIS(1-CHLOROPROPANE)	40	U	23	U	29	U
2,4,5-TRICHLOROPHENOL	49	U	28	U	35	U
2,4,6-TRICHLOROPHENOL	27	U	15	U	19	U
2,4-DICHLOROPHENOL	26	U	15	U	19	U
2,4-DIMETHYLPHENOL	40	U	23	U	29	U
2,4-DINITROPHENOL	33	U	19	U	23	U
2,4-DINITROTOLUENE	15	U	8.4	U	11	U
2,6-DINITROTOLUENE	31	U	18	U	23	U
2-CHLORONAPHTHALENE	15	U	8.8	U	11	U
2-CHLOROPHENOL	32	U	18	U	23	U
2-METHYLNAPHTHALENE	240	J	7.2	U	9.1	U
2-METHYLPHENOL	47	U	27	U	34	U
2-NITROANILINE	27	U	15	U	19	U
2-NITROPHENOL	30	U	17	U	21	U
3,3'-DICHLOROBENZIDINE	120	U	67	U	85	U
ISOPHRONE	27	U	16	U	20	U
3-NITROANILINE	120	U	68	U	86	U
4,6-DINITRO-2-METHYLPHENOL	43	U	24	U	31	U
4-BROMOPHENYL PHENYL ETHER	19	U	11	U	14	U
4-CHLORO-3-METHYLPHENOL	22	U	12	U	16	U
4-CHLOROPHENYL PHENYL ETHER	18	U	10	U	13	U
4-METHYLPHENOL	34	U	19	U	24	U
4-NITROPHENOL	72	U	41	U	52	U
ACENAPHTHYLENE	110	J	13	U	16	U
ACENAPTHENE	250	J	9.3	U	12	U
ANTHRACENE	510	J	53	J	13	U

Notes:

ug/kg - micrograms per kilogram

DUP - denotes field dup. of preceding sample

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

J - Indicates an estimated value

B - Indicates the analyte was found in the blank

D - Indicates the compound identified in an
analysis at a secondary dilution factor

E - Indicates the analyte's concentration
exceeds the calibration range of the
instrument for that specific analysis

**Summary of Total SVOCs in Soil
Caemmerer Yard West Investigation**

Table O.2-41

Location ID	SB-H-13		SB-H-13		SB-H-13	
Sample ID	SB-H-13-LIRR-4-6		SB-H-13-LIRR-14-16		SB-H-13-LIRR-24-26	
Depth	4-6		14-16		24-26	
Dilution Factor	2.0		1.0		1.0	
Sample Date	9/25/2004		9/26/2004		9/26/2004	
Unit	ug/Kg		ug/Kg		ug/Kg	
BENZO(A)ANTHRACENE	1400		97	J	8	U
BENZO(A)PYRENE	1200		74	J	9.1	U
BENZO(B)FLUORANTHENE	1400		75	J	28	U
BENZO(G,H,I)PERYLENE	360	J	18	U	23	U
BENZO(K)FLUORANTHENE	510	J	14	U	18	U
BENZYL BUTYL PHTHALATE	25	U	14	U	18	U
BIS(2-CHLOROETHOXY)METHANE	34	U	19	U	24	U
BIS(2-CHLOROETHYL-ETHER	36	U	21	U	26	U
BIS(2-ETHYLHEXYL)PHTHALATE	17	U	9.7	U	12	U
CARBAZOLE	190	J	9.3	U	12	U
DIBENZ(A,H)ANTHRACENE	22	U	12	U	16	U
DIBENZOFURAN	190	J	14	U	17	U
DIETHYL PHTHALATE	23	U	13	U	17	U
DIMETHYL PHTHALATE	18	U	10	U	13	U
DI-N-BUTYLPHTHALATE	9.8	U	5.6	U	7.1	U
DI-N-OCTYL PHTHALATE	18	U	10	U	13	U
FLUORANTHENE	2600		160	J	7.4	U
FLUORENE	290	J	12	U	15	U
HEXACHLORO-1,3-BUTADIENE	26	U	15	U	19	U
HEXACHLOROBENZENE	14	U	7.9	U	9.9	U
HEXACHLOROCYCLOPENTADIENE	19	U	11	U	13	U
HEXACHLOROETHANE	35	U	20	U	25	U
INDENO(1,2,3-CD)PYRENE	320	J	10	U	13	U
M-DICHLOROBENZENE	27	U	15	U	20	U
NAPHTHALENE	310	J	9.1	U	12	U
NITROBENZENE	37	U	21	U	27	U
N-NITROSODI-N-PROPYLAMINE	33	U	19	U	23	U
N-NITROSODIPHENYLAMINE	19	U	11	U	13	U
P-CHLOROANILINE	270	U	160	U	200	U
PENTACHLOROPHENOL	23	U	13	U	17	U
PHENANTHRENE	1900		150	J	12	U
PHENOL	31	U	18	U	22	U
P-NITROANILINE	58	U	33	U	42	U
PYRENE	2600		200	J	9.5	U

Notes:

ug/kg - micrograms per kilogram

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analysis at a secondary dilution factor

E - Indicates the analyte's concentration
exceeds the calibration range of the
instrument for that specific analysis

**Summary of Total SVOCs in Soil
Caemmerer Yard West Investigation**

Table O.2-41

Location ID	SB-H-15		SB-H-15		SB-H-15	
Sample ID	SB-H-15-LIRR-2-3		SB-H-15-LIRR-6-8		DUP-S-09-26-04	
Depth	2-3		6-8		6-8	
Dilution Factor	2.0		1.0		1.0	
Sample Date	9/25/2004		9/26/2004		9/26/2004	
Unit	ug/Kg		ug/Kg		ug/Kg	
1,2,4-TRICHLOROBENZENE	22	U	12	U	12	U
CHRYSENE	24	U	13	U	13	U
1,2-DICHLOROBENZENE	41	U	22	U	23	U
1,4-DICHLOROBENZENE	31	U	17	U	17	U
2,2'-OXYBIS(1-CHLOROPROPANE)	41	U	22	U	23	U
2,4,5-TRICHLOROPHENOL	50	U	27	U	28	U
2,4,6-TRICHLOROPHENOL	27	U	15	U	15	U
2,4-DICHLOROPHENOL	26	U	14	U	15	U
2,4-DIMETHYLPHENOL	41	U	22	U	23	U
2,4-DINITROPHENOL	33	U	18	U	18	U
2,4-DINITROTOLUENE	15	U	8.1	U	8.3	U
2,6-DINITROTOLUENE	32	U	17	U	18	U
2-CHLORONAPHTHALENE	16	U	8.5	U	8.7	U
2-CHLOROPHENOL	33	U	18	U	18	U
2-METHYLNAPHTHALENE	13	U	7	U	7.2	U
2-METHYLPHENOL	48	U	26	U	26	U
2-NITROANILINE	27	U	15	U	15	U
2-NITROPHENOL	30	U	16	U	17	U
3,3'-DICHLOROBENZIDINE	120	U	66	U	67	U
ISOPHRONE	28	U	15	U	15	U
3-NITROANILINE	120	U	66	U	67	U
4,6-DINITRO-2-METHYLPHENOL	44	U	24	U	24	U
4-BROMOPHENYL PHENYL ETHER	20	U	11	U	11	U
4-CHLORO-3-METHYLPHENOL	22	U	12	U	12	U
4-CHLOROPHENYL PHENYL ETHER	19	U	10	U	10	U
4-METHYLPHENOL	35	U	19	U	19	U
4-NITROPHENOL	74	U	40	U	41	U
ACENAPHTHYLENE	23	U	12	U	12	U
ACENAPHTHENE	17	U	9	U	9.2	U
ANTHRACENE	18	U	9.8	U	9.9	U

Notes:

ug/kg - micrograms per kilogram

DUP - denotes field dup. of preceding sample

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

J - Indicates an estimated value

B - Indicates the analyte was found in the blank

D - Indicates the compound identified in an
analysis at a secondary dilution factor

E - Indicates the analyte's concentration
exceeds the calibration range of the
instrument for that specific analysis

**Summary of Total SVOCs in Soil
Caemmerer Yard West Investigation**

Table O.2-41

Location ID	SB-H-15		SB-H-15		SB-H-15	
Sample ID	SB-H-15-LIRR-2-3		SB-H-15-LIRR-6-8		DUP-S-09-26-04	
Depth	2-3		6-8		6-8	
Dilution Factor	2.0		1.0		1.0	
Sample Date	9/25/2004		9/26/2004		9/26/2004	
Unit	ug/Kg		ug/Kg		ug/Kg	
BENZO(A)ANTHRACENE	11	U	6.2	U	6.3	U
BENZO(A)PYRENE	13	U	7	U	7.2	U
BENZO(B)FLUORANTHENE	40	U	22	U	22	U
BENZO(G,H,I)PERYLENE	33	U	18	U	18	U
BENZO(K)FLUORANTHENE	26	U	14	U	14	U
BENZYL BUTYL PHTHALATE	510	J	14	U	14	U
BIS(2-CHLOROETHOXY)METHANE	34	U	19	U	19	U
BIS(2-CHLOROETHYL-ETHER	37	U	20	U	20	U
BIS(2-ETHYLHEXYL)PHTHALATE	17	U	9.4	U	9.6	U
CARBAZOLE	17	U	9	U	9.2	U
DIBENZ(A,H)ANTHRACENE	22	U	12	U	12	U
DIBENZOFURAN	25	U	13	U	14	U
DIETHYL PHTHALATE	24	U	13	U	13	U
DIMETHYL PHTHALATE	18	U	9.8	U	9.9	U
DI-N-BUTYLPHTHALATE	10	U	5.4	U	5.5	U
DI-N-OCTYL PHTHALATE	18	U	9.8	U	9.9	U
FLUORANTHENE	10	U	5.7	U	5.8	U
FLUORENE	21	U	12	U	12	U
HEXACHLORO-1,3-BUTADIENE	26	U	14	U	15	U
HEXACHLOROBENZENE	14	U	7.7	U	7.8	U
HEXACHLOROCYCLOPENTADIENE	19	U	10	U	10	U
HEXACHLOROETHANE	36	U	20	U	20	U
INDENO(1,2,3-CD)PYRENE	18	U	9.9	U	10	U
M-DICHLOROBENZENE	28	U	15	U	15	U
NAPHTHALENE	510	J	8.9	U	9.1	U
NITROBENZENE	38	U	21	U	21	U
N-NITROSODI-N-PROPYLAMINE	33	U	18	U	18	U
N-NITROSODIPHENYLAMINE	19	U	10	U	11	U
P-CHLOROANILINE	280	U	150	U	150	U
PENTACHLOROPHENOL	23	U	13	U	13	U
PHENANTHRENE	17	U	9.1	U	9.3	U
PHENOL	31	U	17	U	17	U
P-NITROANILINE	59	U	32	U	33	U
PYRENE	13	U	7.3	U	7.4	U

Notes:

ug/kg - micrograms per kilogram

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D - Indicates the compound identified in an
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E - Indicates the analyte's concentration
exceeds the calibration range of the
instrument for that specific analysis

**Summary of Total SVOCs in Soil
Caemmerer Yard West Investigation**

Table O.2-41

Location ID	SB-H-15		SB-H-15		SB-H-18	
Sample ID	DUP-1-09-26-04		SB-H-15-LIRR-10-11		SB-H-18-LIRR-2-4	
Depth	6-8		10-11		2-4	
Dilution Factor	1.0		1.0		1.0	
Sample Date	9/26/2004		9/26/2004		9/26/2004	
Unit	ug/Kg		ug/Kg		ug/Kg	
1,2,4-TRICHLOROBENZENE	12	U	12	U	9.9	U
CHRYSENE	13	U	56	J	11	U
1,2-DICHLOROBENZENE	23	U	22	U	19	U
1,4-DICHLOROBENZENE	17	U	17	U	14	U
2,2'-OXYBIS(1-CHLOROPROPANE)	23	U	22	U	19	U
2,4,5-TRICHLOROPHENOL	28	U	27	U	23	U
2,4,6-TRICHLOROPHENOL	15	U	15	U	12	U
2,4-DICHLOROPHENOL	15	U	14	U	12	U
2,4-DIMETHYLPHENOL	23	U	22	U	19	U
2,4-DINITROPHENOL	18	U	18	U	15	U
2,4-DINITROTOLUENE	8.3	U	8.1	U	6.9	U
2,6-DINITROTOLUENE	18	U	17	U	15	U
2-CHLORONAPHTHALENE	8.7	U	8.5	U	7.2	U
2-CHLOROPHENOL	18	U	18	U	15	U
2-METHYLNAPHTHALENE	7.2	U	7	U	5.9	U
2-METHYLPHENOL	26	U	26	U	22	U
2-NITROANILINE	15	U	15	U	12	U
2-NITROPHENOL	17	U	16	U	14	U
3,3'-DICHLOROBENZIDINE	67	U	65	U	55	U
ISOPHRONE	15	U	15	U	13	U
3-NITROANILINE	67	U	66	U	56	U
4,6-DINITRO-2-METHYLPHENOL	24	U	24	U	20	U
4-BROMOPHENYL PHENYL ETHER	11	U	11	U	9	U
4-CHLORO-3-METHYLPHENOL	12	U	12	U	10	U
4-CHLOROPHENYL PHENYL ETHER	10	U	10	U	8.5	U
4-METHYLPHENOL	19	U	19	U	16	U
4-NITROPHENOL	41	U	40	U	34	U
ACENAPHTHYLENE	12	U	12	U	10	U
ACENAPHTHENE	9.2	U	9	U	7.6	U
ANTHRACENE	9.9	U	9.7	U	8.2	U

Notes:

ug/kg - micrograms per kilogram

DUP - denotes field dup. of preceding sample

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

J - Indicates an estimated value

B - Indicates the analyte was found in the blank

D - Indicates the compound identified in an analysis at a secondary dilution factor

E - Indicates the analyte's concentration exceeds the calibration range of the instrument for that specific analysis

**Summary of Total SVOCs in Soil
Caemmerer Yard West Investigation**

Table O.2-41

Location ID	SB-H-15		SB-H-15		SB-H-18	
Sample ID	DUP-1-09-26-04		SB-H-15-LIRR-10-11		SB-H-18-LIRR-2-4	
Depth	6-8		10-11		2-4	
Dilution Factor	1.0		1.0		1.0	
Sample Date	9/26/2004		9/26/2004		9/26/2004	
Unit	ug/Kg		ug/Kg		ug/Kg	
BENZO(A)ANTHRACENE	6.3	U	50	J	5.2	U
BENZO(A)PYRENE	7.2	U	46	J	5.9	U
BENZO(B)FLUORANTHENE	22	U	46	J	18	U
BENZO(G,H,I)PERYLENE	18	U	18	U	15	U
BENZO(K)FLUORANTHENE	14	U	14	U	12	U
BENZYL BUTYL PHTHALATE	14	U	14	U	12	U
BIS(2-CHLOROETHOXY)METHANE	19	U	19	U	16	U
BIS(2-CHLOROETHYL-ETHER	20	U	20	U	17	U
BIS(2-ETHYLHEXYL)PHTHALATE	9.6	U	53	J	1100	
CARBAZOLE	9.2	U	9	U	7.6	U
DIBENZ(A,H)ANTHRACENE	12	U	12	U	10	U
DIBENZOFURAN	14	U	13	U	11	U
DIETHYL PHTHALATE	13	U	13	U	11	U
DIMETHYL PHTHALATE	9.9	U	9.7	U	8.2	U
DI-N-BUTYLPHTHALATE	5.5	U	5.4	U	4.6	U
DI-N-OCTYL PHTHALATE	9.9	U	9.7	U	8.2	U
FLUORANTHENE	5.8	U	91	J	4.8	U
FLUORENE	12	U	12	U	54	J
HEXACHLORO-1,3-BUTADIENE	15	U	14	U	12	U
HEXACHLOROBENZENE	7.8	U	7.6	U	6.4	U
HEXACHLOROCYCLOPENTADIENE	10	U	10	U	8.6	U
HEXACHLOROETHANE	20	U	19	U	16	U
INDENO(1,2,3-CD)PYRENE	10	U	9.9	U	8.3	U
M-DICHLOROBENZENE	15	U	15	U	13	U
NAPHTHALENE	9.1	U	8.9	U	7.5	U
NITROBENZENE	21	U	21	U	17	U
N-NITROSODI-N-PROPYLAMINE	18	U	18	U	15	U
N-NITROSODIPHENYLAMINE	11	U	10	U	8.7	U
P-CHLOROANILINE	150	U	150	U	130	U
PENTACHLOROPHENOL	13	U	13	U	11	U
PHENANTHRENE	9.3	U	9.1	U	7.7	U
PHENOL	17	U	17	U	14	U
P-NITROANILINE	33	U	32	U	27	U
PYRENE	7.4	U	94	J	6.1	U

Notes:

ug/kg - micrograms per kilogram

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instrument for that specific analysis

**Summary of Total SVOCs in Soil
Caemmerer Yard West Investigation**

Table O.2-41

Location ID	SB-H-18		SB-H-18		SB-H-18	
Sample ID	SB-H-18-LIRR-4-6		SB-H-18-LIRR-12-14		SB-H-18-LIRR-20-22	
Depth	4-6		12-14		20-22	
Dilution Factor	2.0		1.0		1.0	
Sample Date	9/28/2004		9/28/2004		9/29/2004	
Unit	ug/Kg		ug/Kg		ug/Kg	
1,2,4-TRICHLOROBENZENE	21	U	13	U	16	U
CHRYSENE	2000		59	J	18	U
1,2-DICHLOROBENZENE	39	U	24	U	31	U
1,4-DICHLOROBENZENE	30	U	19	U	24	U
2,2'-OXYBIS(1-CHLOROPROPANE)	39	U	24	U	31	U
2,4,5-TRICHLOROPHENOL	48	U	30	U	37	U
2,4,6-TRICHLOROPHENOL	26	U	16	U	20	U
2,4-DICHLOROPHENOL	25	U	16	U	20	U
2,4-DIMETHYLPHENOL	39	U	24	U	31	U
2,4-DINITROPHENOL	32	U	20	U	25	U
2,4-DINITROTOLUENE	14	U	8.9	U	11	U
2,6-DINITROTOLUENE	31	U	19	U	24	U
2-CHLORONAPHTHALENE	15	U	9.3	U	12	U
2-CHLOROPHENOL	31	U	19	U	24	U
2-METHYLNAPHTHALENE	1100		7.7	U	9.7	U
2-METHYLPHENOL	46	U	28	U	36	U
2-NITROANILINE	26	U	16	U	20	U
2-NITROPHENOL	29	U	18	U	23	U
3,3'-DICHLOROBENZIDINE	120	U	72	U	91	U
ISOPHRONE	27	U	17	U	21	U
3-NITROANILINE	120	U	72	U	91	U
4,6-DINITRO-2-METHYLPHENOL	42	U	26	U	33	U
4-BROMOPHENYL PHENYL ETHER	19	U	12	U	15	U
4-CHLORO-3-METHYLPHENOL	21	U	13	U	17	U
4-CHLOROPHENYL PHENYL ETHER	18	U	11	U	14	U
4-METHYLPHENOL	33	U	600		26	U
4-NITROPHENOL	71	U	44	U	55	U
ACENAPHTHYLENE	280	J	13	U	17	U
ACENAPTHENE	320	J	9.8	U	12	U
ANTHRACENE	990		11	U	13	U

Notes:

ug/kg - micrograms per kilogram

DUP - denotes field dup. of preceding sample

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

J - Indicates an estimated value

B - Indicates the analyte was found in the blank

D - Indicates the compound identified in an
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E - Indicates the analyte's concentration
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instrument for that specific analysis

**Summary of Total SVOCs in Soil
Caemmerer Yard West Investigation**

Table O.2-41

Location ID	SB-H-18		SB-H-18		SB-H-18	
Sample ID	SB-H-18-LIRR-4-6		SB-H-18-LIRR-12-14		SB-H-18-LIRR-20-22	
Depth	4-6		12-14		20-22	
Dilution Factor	2.0		1.0		1.0	
Sample Date	9/28/2004		9/28/2004		9/29/2004	
Unit	ug/Kg		ug/Kg		ug/Kg	
BENZO(A)ANTHRACENE	1900		6.7	U	8.5	U
BENZO(A)PYRENE	1400		51	J	9.7	U
BENZO(B)FLUORANTHENE	2100		24	U	30	U
BENZO(G,H,I)PERYLENE	410	J	19	U	25	U
BENZO(K)FLUORANTHENE	990		15	U	19	U
BENZYL BUTYL PHTHALATE	24	U	15	U	19	U
BIS(2-CHLOROETHOXY)METHANE	33	U	20	U	26	U
BIS(2-CHLOROETHYL-ETHER	36	U	22	U	28	U
BIS(2-ETHYLHEXYL)PHTHALATE	220	J	10	U	13	U
CARBAZOLE	250	J	9.8	U	12	U
DIBENZ(A,H)ANTHRACENE	81	J	13	U	17	U
DIBENZOFURAN	560	J	15	U	19	U
DIETHYL PHTHALATE	23	U	14	U	18	U
DIMETHYL PHTHALATE	17	U	11	U	13	U
DI-N-BUTYLPHTHALATE	9.6	U	5.9	U	7.5	U
DI-N-OCTYL PHTHALATE	17	U	11	U	13	U
FLUORANTHENE	3800		110	J	7.8	U
FLUORENE	690	J	13	U	16	U
HEXACHLORO-1,3-BUTADIENE	25	U	16	U	20	U
HEXACHLOROENZENE	14	U	8.4	U	11	U
HEXACHLOROCYCLOPENTADIENE	18	U	11	U	14	U
HEXACHLOROETHANE	35	U	21	U	27	U
INDENO(1,2,3-CD)PYRENE	270	J	11	U	14	U
M-DICHLOROBENZENE	27	U	16	U	21	U
NAPHTHALENE	1000		9.7	U	12	U
NITROBENZENE	37	U	23	U	29	U
N-NITROSODI-N-PROPYLAMINE	32	U	20	U	25	U
N-NITROSODIPHENYLAMINE	18	U	11	U	14	U
P-CHLOROANILINE	270	U	170	U	210	U
PENTACHLOROPHENOL	23	U	14	U	18	U
PHENANTHRENE	3000		140	J	13	U
PHENOL	30	U	19	U	24	U
P-NITROANILINE	57	U	35	U	44	U
PYRENE	3800		100	J	10	U

Notes:

ug/kg - micrograms per kilogram

DUP - denotes field dup. of preceding sample

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

J - Indicates an estimated value

B - Indicates the analyte was found in the blank

D - Indicates the compound identified in an
analysis at a secondary dilution factor

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exceeds the calibration range of the
instrument for that specific analysis

**Summary of Total SVOCs in Soil
Caemmerer Yard West Investigation**

Table O.2-41

Location ID	SB-H-20		SB-H-20		SB-H-20	
Sample ID	SB-H-20-LIRR-2-4		SB-H-20-LIRR-4-6		DUP-S-10-06-04	
Depth	2-4		4-6		4-6	
Dilution Factor	1.0		1.0		1.0	
Sample Date	10/6/2004		10/6/2004		10/6/2004	
Unit	ug/Kg		ug/Kg		ug/Kg	
1,2,4-TRICHLOROBENZENE	10	U	11	U	11	U
CHRYSENE	11	U	12	U	75	J
1,2-DICHLOROBENZENE	19	U	21	U	21	U
1,4-DICHLOROBENZENE	15	U	16	U	16	U
2,2'-OXYBIS(1-CHLOROPROPANE)	19	U	21	U	21	U
2,4,5-TRICHLOROPHENOL	23	U	26	U	25	U
2,4,6-TRICHLOROPHENOL	13	U	14	U	14	U
2,4-DICHLOROPHENOL	12	U	14	U	13	U
2,4-DIMETHYLPHENOL	19	U	21	U	21	U
2,4-DINITROPHENOL	16	U	17	U	17	U
2,4-DINITROTOLUENE	7	U	7.8	U	7.7	U
2,6-DINITROTOLUENE	15	U	17	U	16	U
2-CHLORONAPHTHALENE	7.3	U	8.2	U	8	U
2-CHLOROPHENOL	15	U	17	U	17	U
2-METHYLNAPHTHALENE	6.1	U	6.7	U	6.6	U
2-METHYLPHENOL	22	U	25	U	24	U
2-NITROANILINE	13	U	14	U	14	U
2-NITROPHENOL	14	U	16	U	15	U
3,3'-DICHLOROBENZIDINE	57	U	63	U	62	U
ISOPHRONE	13	U	15	U	14	U
3-NITROANILINE	57	U	63	U	62	U
4,6-DINITRO-2-METHYLPHENOL	20	U	23	U	22	U
4-BROMOPHENYL PHENYL ETHER	9.3	U	10	U	10	U
4-CHLORO-3-METHYLPHENOL	10	U	12	U	11	U
4-CHLOROPHENYL PHENYL ETHER	8.7	U	9.7	U	9.5	U
4-METHYLPHENOL	16	U	18	U	18	U
4-NITROPHENOL	34	U	38	U	38	U
ACENAPHTHYLENE	11	U	12	U	12	U
ACENAPHTHENE	7.8	U	8.6	U	8.5	U
ANTHRACENE	8.4	U	9.3	U	160	J

Notes:

ug/kg - micrograms per kilogram

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D - Indicates the compound identified in an
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exceeds the calibration range of the
instrument for that specific analysis

**Summary of Total SVOCs in Soil
Caemmerer Yard West Investigation**

Table O.2-41

Location ID	SB-H-20		SB-H-20		SB-H-20	
Sample ID	SB-H-20-LIRR-2-4		SB-H-20-LIRR-4-6		DUP-S-10-06-04	
Depth	2-4		4-6		4-6	
Dilution Factor	1.0		1.0		1.0	
Sample Date	10/6/2004		10/6/2004		10/6/2004	
Unit	ug/Kg		ug/Kg		ug/Kg	
BENZO(A)ANTHRACENE	5.3	U	42	J	74	J
BENZO(A)PYRENE	6.1	U	6.7	U	65	J
BENZO(B)FLUORANTHENE	19	U	21	U	71	J
BENZO(G,H,I)PERYLENE	15	U	17	U	17	U
BENZO(K)FLUORANTHENE	12	U	13	U	39	J
BENZYL BUTYL PHTHALATE	12	U	13	U	13	U
BIS(2-CHLOROETHOXY)METHANE	16	U	18	U	18	U
BIS(2-CHLOROETHYL-ETHER	17	U	19	U	19	U
BIS(2-ETHYLHEXYL)PHTHALATE	8.1	U	130	J	95	J
CARBAZOLE	7.8	U	8.6	U	8.5	U
DIBENZ(A,H)ANTHRACENE	10	U	11	U	11	U
DIBENZOFURAN	12	U	13	U	13	U
DIETHYL PHTHALATE	11	U	12	U	12	U
DIMETHYL PHTHALATE	8.4	U	9.3	U	9.2	U
DI-N-BUTYLPHTHALATE	4.7	U	5.2	U	5.1	U
DI-N-OCTYL PHTHALATE	8.4	U	9.3	U	9.2	U
FLUORANTHENE	4.9	U	83	J	160	J
FLUORENE	10	U	11	U	11	U
HEXACHLORO-1,3-BUTADIENE	12	U	14	U	13	U
HEXACHLOROENZENE	6.6	U	7.3	U	7.2	U
HEXACHLOROCYCLOPENTADIENE	8.8	U	9.8	U	9.6	U
HEXACHLOROETHANE	17	U	19	U	18	U
INDENO(1,2,3-CD)PYRENE	8.5	U	9.5	U	9.3	U
M-DICHLOROENZENE	13	U	14	U	14	U
NAPHTHALENE	7.7	U	8.5	U	8.4	U
NITROENZENE	18	U	20	U	20	U
N-NITROSODI-N-PROPYLAMINE	16	U	17	U	17	U
N-NITROSODIPHENYLAMINE	8.9	U	9.9	U	9.8	U
P-CHLOROANILINE	130	U	140	U	140	U
PENTACHLOROPHENOL	11	U	12	U	12	U
PHENANTHRENE	7.9	U	85	J	150	J
PHENOL	15	U	16	U	16	U
P-NITROANILINE	28	U	31	U	30	U
PYRENE	6.3	U	79	J	150	J

Notes:

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instrument for that specific analysis

**Summary of Total SVOCs in Soil
Caemmerer Yard West Investigation**

Table O.2-41

Location ID	SB-H-20		E-23		E-23A	
Sample ID	SB-H-20-LIRR-18-20		E-23-LIRR-1-2		E-23A-LIRR-1-3.5	
Depth	18-20		1-2		1-3.5	
Dilution Factor	1.0		5.0		1.0	
Sample Date	10/6/2004		9/21/2004		9/22/2004	
Unit	ug/Kg		ug/Kg		ug/Kg	
1,2,4-TRICHLOROBENZENE	12	U	94	U	20	U
CHRYSENE	62	J	100	U	560	J
1,2-DICHLOROBENZENE	23	U	180	U	38	U
1,4-DICHLOROBENZENE	18	U	140	U	29	U
2,2'-OXYBIS(1-CHLOROPROPANE)	23	U	180	U	38	U
2,4,5-TRICHLOROPHENOL	29	U	220	U	47	U
2,4,6-TRICHLOROPHENOL	16	U	120	U	26	U
2,4-DICHLOROPHENOL	15	U	120	U	25	U
2,4-DIMETHYLPHENOL	23	U	180	U	38	U
2,4-DINITROPHENOL	19	U	150	U	31	U
2,4-DINITROTOLUENE	8.6	U	66	U	14	U
2,6-DINITROTOLUENE	18	U	140	U	30	U
2-CHLORONAPHTHALENE	9	U	69	U	15	U
2-CHLOROPHENOL	19	U	140	U	30	U
2-METHYLNAPHTHALENE	7.4	U	57	U	83	J
2-METHYLPHENOL	27	U	210	U	44	U
2-NITROANILINE	16	U	120	U	26	U
2-NITROPHENOL	17	U	130	U	28	U
3,3'-DICHLOROBENZIDINE	69	U	530	U	110	U
ISOPHRONE	16	U	120	U	26	U
3-NITROANILINE	70	U	530	U	110	U
4,6-DINITRO-2-METHYLPHENOL	25	U	190	U	41	U
4-BROMOPHENYL PHENYL ETHER	11	U	87	U	19	U
4-CHLORO-3-METHYLPHENOL	13	U	97	U	21	U
4-CHLOROPHENYL PHENYL ETHER	11	U	82	U	17	U
4-METHYLPHENOL	20	U	150	U	32	U
4-NITROPHENOL	42	U	320	U	69	U
ACENAPHTHYLENE	13	U	98	U	21	U
ACENAPHTHENE	9.5	U	73	U	130	J
ANTHRACENE	10	U	79	U	370	J

Notes:

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**Summary of Total SVOCs in Soil
Caemmerer Yard West Investigation**

Table O.2-41

Location ID	SB-H-20		E-23		E-23A	
Sample ID	SB-H-20-LIRR-18-20		E-23-LIRR-1-2		E-23A-LIRR-1-3.5	
Depth	18-20		1-2		1-3.5	
Dilution Factor	1.0		5.0		1.0	
Sample Date	10/6/2004		9/21/2004		9/22/2004	
Unit	ug/Kg		ug/Kg		ug/Kg	
BENZO(A)ANTHRACENE	62	J	50	U	610	J
BENZO(A)PYRENE	7.4	U	57	U	560	J
BENZO(B)FLUORANTHENE	23	U	180	U	690	J
BENZO(G,H,I)PERYLENE	19	U	140	U	170	J
BENZO(K)FLUORANTHENE	15	U	110	U	330	J
BENZYL BUTYL PHTHALATE	14	U	110	U	24	U
BIS(2-CHLOROETHOXY)METHANE	20	U	150	U	32	U
BIS(2-CHLOROETHYL-ETHER	21	U	160	U	35	U
BIS(2-ETHYLHEXYL)PHTHALATE	57	J	76	U	550	J
CARBAZOLE	9.5	U	73	U	94	J
DIBENZ(A,H)ANTHRACENE	13	U	96	U	21	U
DIBENZOFURAN	14	U	110	U	140	J
DIETHYL PHTHALATE	14	U	100	U	22	U
DIMETHYL PHTHALATE	10	U	79	U	17	U
DI-N-BUTYLPHTHALATE	5.7	U	44	U	9.4	U
DI-N-OCTYL PHTHALATE	10	U	79	U	17	U
FLUORANTHENE	89	J	46	U	1200	
FLUORENE	12	U	94	U	210	J
HEXACHLORO-1,3-BUTADIENE	15	U	120	U	25	U
HEXACHLOROENZENE	8.1	U	62	U	13	U
HEXACHLOROCYCLOPENTADIENE	11	U	83	U	18	U
HEXACHLOROETHANE	21	U	160	U	34	U
INDENO(1,2,3-CD)PYRENE	10	U	80	U	100	J
M-DICHLOROENZENE	16	U	120	U	26	U
NAPHTHALENE	9.4	U	72	U	100	J
NITROENZENE	22	U	170	U	36	U
N-NITROSODI-N-PROPYLAMINE	19	U	150	U	31	U
N-NITROSODIPHENYLAMINE	11	U	84	U	18	U
P-CHLOROANILINE	160	U	1200	U	260	U
PENTACHLOROPHENOL	13	U	100	U	22	U
PHENANTHRENE	9.6	U	74	U	1000	
PHENOL	18	U	140	U	29	U
P-NITROANILINE	34	U	260	U	55	U
PYRENE	89	J	59	U	1300	

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instrument for that specific analysis

**Summary of Total SVOCs in Soil
Caemmerer Yard West Investigation**

Table O.2-41

Location ID	E-28A		E-28		E-28	
Sample ID	E-28-LIRR-2-2.5		E-28-LIRR-4-6		E-28-LIRR-8-9	
Depth	2-2.5		4-6		8-9	
Dilution Factor	1.0		1.0		5.0	
Sample Date	9/22/2004		9/23/2004		9/23/2004	
Unit	ug/Kg		ug/Kg		ug/Kg	
1,2,4-TRICHLOROBENZENE	21	U	10	U	120	U
CHRYSENE	240	J	130	J	8700	
1,2-DICHLOROBENZENE	39	U	19	U	220	U
1,4-DICHLOROBENZENE	30	U	15	U	170	U
2,2'-OXYBIS(1-CHLOROPROPANE)	39	U	19	U	220	U
2,4,5-TRICHLOROPHENOL	48	U	24	U	270	U
2,4,6-TRICHLOROPHENOL	26	U	13	U	150	U
2,4-DICHLOROPHENOL	25	U	13	U	140	U
2,4-DIMETHYLPHENOL	39	U	19	U	220	U
2,4-DINITROPHENOL	32	U	16	U	180	U
2,4-DINITROTOLUENE	14	U	7	U	81	U
2,6-DINITROTOLUENE	31	U	15	U	170	U
2-CHLORONAPHTHALENE	15	U	8	U	85	U
2-CHLOROPHENOL	31	U	15	U	180	U
2-METHYLNAPHTHALENE	12	U	6	U	990	J
2-METHYLPHENOL	46	U	23	U	260	U
2-NITROANILINE	26	U	13	U	150	U
2-NITROPHENOL	29	U	14	U	160	U
3,3'-DICHLOROBENZIDINE	120	U	57	U	650	U
ISOPHRONE	27	U	13	U	150	U
3-NITROANILINE	120	U	58	U	660	U
4,6-DINITRO-2-METHYLPHENOL	42	U	21	U	240	U
4-BROMOPHENYL PHENYL ETHER	19	U	9	U	110	U
4-CHLORO-3-METHYLPHENOL	21	U	11	U	120	U
4-CHLOROPHENYL PHENYL ETHER	18	U	9	U	100	U
4-METHYLPHENOL	33	U	16	U	190	U
4-NITROPHENOL	70	U	35	U	400	U
ACENAPHTHYLENE	22	U	11	U	1200	J
ACENAPTHENE	16	U	8	U	2400	J
ANTHRACENE	100	J	66	J	7200	

Notes:

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**Summary of Total SVOCs in Soil
Caemmerer Yard West Investigation**

Table O.2-41

Location ID	E-28A		E-28		E-28	
Sample ID	E-28-LIRR-2-2.5		E-28-LIRR-4-6		E-28-LIRR-8-9	
Depth	2-2.5		4-6		8-9	
Dilution Factor	1.0		1.0		5.0	
Sample Date	9/22/2004		9/23/2004		9/23/2004	
Unit	ug/Kg		ug/Kg		ug/Kg	
BENZO(A)ANTHRACENE	270	J	140	J	11000	
BENZO(A)PYRENE	190	J	120	J	7700	
BENZO(B)FLUORANTHENE	240	J	130	J	9400	
BENZO(G,H,I)PERYLENE	31	U	47	J	3300	J
BENZO(K)FLUORANTHENE	130	J	73	J	3500	J
BENZYL BUTYL PHTHALATE	24	U	54	J	140	U
BIS(2-CHLOROETHOXY)METHANE	33	U	16	U	190	U
BIS(2-CHLOROETHYL-ETHER	36	U	18	U	200	U
BIS(2-ETHYLHEXYL)PHTHALATE	340	J	51	J	94	U
CARBAZOLE	16	U	8	U	2600	J
DIBENZ(A,H)ANTHRACENE	21	U	10	U	500	J
DIBENZOFURAN	24	U	12	U	2800	J
DIETHYL PHTHALATE	23	U	11	U	130	U
DIMETHYL PHTHALATE	17	U	9	U	97	U
DI-N-BUTYLPHTHALATE	10	U	45	J	54	U
DI-N-OCTYL PHTHALATE	17	U	9	U	97	U
FLUORANTHENE	510	J	280	J	23000	
FLUORENE	20	U	51	J	5100	
HEXACHLORO-1,3-BUTADIENE	25	U	13	U	140	U
HEXACHLOROBENZENE	14	U	7	U	76	U
HEXACHLOROCYCLOPENTADIENE	18	U	9	U	100	U
HEXACHLOROETHANE	34	U	17	U	190	U
INDENO(1,2,3-CD)PYRENE	17	U	43	J	3400	J
M-DICHLOROBENZENE	27	U	13	U	150	U
NAPHTHALENE	16	U	8	U	1900	J
NITROBENZENE	37	U	18	U	210	U
N-NITROSODI-N-PROPYLAMINE	32	U	16	U	180	U
N-NITROSODIPHENYLAMINE	18	U	9	U	100	U
P-CHLOROANILINE	270	U	130	U	1500	U
PENTACHLOROPHENOL	22	U	11	U	130	U
PHENANTHRENE	260	J	230	J	24000	
PHENOL	30	U	15	U	170	U
P-NITROANILINE	56	U	28	U	320	U
PYRENE	600	J	280	J	21000	

Notes:

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instrument for that specific analysis

**Summary of Total SVOCs in Soil
Caemmerer Yard West Investigation**

Table O.2-41

Location ID	E-28		E-28		E-28	
Sample ID	E-28-LIRR-18-20		E-28-LIRR-18-20DL		E-28-LIRR-26-28	
Depth	18-20		18-20		26-28	
Dilution Factor	2.0		10.0		1.0	
Sample Date	9/23/2004		9/23/2004		9/23/2004	
Unit	ug/Kg		ug/Kg		ug/Kg	
1,2,4-TRICHLOROBENZENE	24	U	120	UD	16	U
CHRYSENE	4900		4400	D	18	U
1,2-DICHLOROBENZENE	46	U	230	UD	31	U
1,4-DICHLOROBENZENE	35	U	180	UD	24	U
2,2'-OXYBIS(1-CHLOROPROPANE)	46	U	230	UD	31	U
2,4,5-TRICHLOROPHENOL	56	U	280	UD	38	U
2,4,6-TRICHLOROPHENOL	31	U	150	UD	21	U
2,4-DICHLOROPHENOL	30	U	150	UD	20	U
2,4-DIMETHYLPHENOL	46	U	230	UD	31	U
2,4-DINITROPHENOL	38	U	190	UD	25	U
2,4-DINITROTOLUENE	17	U	85	UD	11	U
2,6-DINITROTOLUENE	36	U	180	UD	24	U
2-CHLORONAPHTHALENE	18	U	89	UD	12	U
2-CHLOROPHENOL	37	U	180	UD	25	U
2-METHYLNAPHTHALENE	810	J	630	JD	10	U
2-METHYLPHENOL	54	U	270	UD	36	U
2-NITROANILINE	31	U	150	UD	21	U
2-NITROPHENOL	34	U	170	UD	23	U
3,3'-DICHLOROBENZIDINE	140	U	680	UD	91	U
ISOPHRONE	32	U	160	UD	21	U
3-NITROANILINE	140	U	690	UD	92	U
4,6-DINITRO-2-METHYLPHENOL	49	U	250	UD	33	U
4-BROMOPHENYL PHENYL ETHER	22	U	110	UD	15	U
4-CHLORO-3-METHYLPHENOL	25	U	130	UD	17	U
4-CHLOROPHENYL PHENYL ETHER	21	U	110	UD	14	U
4-METHYLPHENOL	39	U	200	UD	26	U
4-NITROPHENOL	83	U	420	UD	56	U
ACENAPHTHYLENE	680	J	590	JD	17	U
ACENAPTHENE	1600		1300	JD	13	U
ANTHRACENE	4300		3800	JD	14	U

Notes:

ug/kg - micrograms per kilogram

DUP - denotes field dup. of preceding sample

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

J - Indicates an estimated value

B - Indicates the analyte was found in the blank

D - Indicates the compound identified in an
analysis at a secondary dilution factor

E - Indicates the analyte's concentration
exceeds the calibration range of the
instrument for that specific analysis

**Summary of Total SVOCs in Soil
Caemmerer Yard West Investigation**

Table O.2-41

Location ID	E-28		E-28		E-28	
Sample ID	E-28-LIRR-18-20		E-28-LIRR-18-20DL		E-28-LIRR-26-28	
Depth	18-20		18-20		26-28	
Dilution Factor	2.0		10.0		1.0	
Sample Date	9/23/2004		9/23/2004		9/23/2004	
Unit	ug/Kg		ug/Kg		ug/Kg	
BENZO(A)ANTHRACENE	4900		5000	D	9	U
BENZO(A)PYRENE	4100		3900	JD	10	U
BENZO(B)FLUORANTHENE	5200		4700	D	30	U
BENZO(G,H,I)PERYLENE	1300		1100	JD	25	U
BENZO(K)FLUORANTHENE	2000		2000	JD	19	U
BENZYL BUTYL PHTHALATE	29	U	140	UD	19	U
BIS(2-CHLOROETHOXY)METHANE	39	U	190	UD	26	U
BIS(2-CHLOROETHYL-ETHER	42	U	210	UD	28	U
BIS(2-ETHYLHEXYL)PHTHALATE	540	J	470	JD	13	U
CARBAZOLE	1700		1500	JD	13	U
DIBENZ(A,H)ANTHRACENE	210	J	120	UD	17	U
DIBENZOFURAN	2000		1500	JD	19	U
DIETHYL PHTHALATE	27	U	130	UD	63	J
DIMETHYL PHTHALATE	20	U	100	UD	14	U
DI-N-BUTYLPHTHALATE	220	J	57	UD	180	J
DI-N-OCTYL PHTHALATE	20	U	100	UD	14	U
FLUORANTHENE	10000	E	11000	D	8	U
FLUORENE	3000		2600	JD	16	U
HEXACHLORO-1,3-BUTADIENE	30	U	150	UD	20	U
HEXACHLOROENZENE	16	U	80	UD	11	U
HEXACHLOROCYCLOPENTADIENE	21	U	110	UD	14	U
HEXACHLOROETHANE	41	U	200	UD	27	U
INDENO(1,2,3-CD)PYRENE	1500		970	JD	14	U
M-DICHLOROENZENE	31	U	160	UD	21	U
NAPHTHALENE	1400		1200	JD	12	U
NITROENZENE	43	U	220	UD	29	U
N-NITROSODI-N-PROPYLAMINE	38	U	190	UD	25	U
N-NITROSODIPHENYLAMINE	22	U	110	UD	14	U
P-CHLOROANILINE	310	U	1600	UD	210	U
PENTACHLOROPHENOL	26	U	130	UD	18	U
PHENANTHRENE	12000	E	13000	D	13	U
PHENOL	35	U	180	UD	24	U
P-NITROANILINE	67	U	330	UD	45	U
PYRENE	9800	E	10000	D	70	J

Notes:

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**Summary of Total SVOCs in Soil
Caemmerer Yard West Investigation**

Table O.2-41

Location ID	E-28		E-35		E-35	
Sample ID	E-28-LIRR-32-34		E-35-LIRR-0-2		E-35-LIRR-2-4	
Depth	32-34		0-2		2-4	
Dilution Factor	1.0		1.0		1.0	
Sample Date	9/23/2004		9/30/2004		9/30/2004	
Unit	ug/Kg		ug/Kg		ug/Kg	
1,2,4-TRICHLOROBENZENE	15	U	20	U	21	U
CHRYSENE	99	J	23	U	130	J
1,2-DICHLOROBENZENE	29	U	39	U	39	U
1,4-DICHLOROBENZENE	22	U	30	U	30	U
2,2'-OXYBIS(1-CHLOROPROPANE)	29	U	38	U	39	U
2,4,5-TRICHLOROPHENOL	36	U	47	U	47	U
2,4,6-TRICHLOROPHENOL	20	U	26	U	26	U
2,4-DICHLOROPHENOL	19	U	25	U	25	U
2,4-DIMETHYLPHENOL	29	U	38	U	39	U
2,4-DINITROPHENOL	24	U	31	U	32	U
2,4-DINITROTOLUENE	11	U	14	U	14	U
2,6-DINITROTOLUENE	23	U	30	U	31	U
2-CHLORONAPHTHALENE	11	U	15	U	15	U
2-CHLOROPHENOL	23	U	31	U	31	U
2-METHYLNAPHTHALENE	9	U	12	U	12	U
2-METHYLPHENOL	34	U	45	U	45	U
2-NITROANILINE	20	U	26	U	26	U
2-NITROPHENOL	22	U	29	U	29	U
3,3'-DICHLOROBENZIDINE	86	U	110	U	110	U
ISOPHRONE	20	U	26	U	27	U
3-NITROANILINE	87	U	110	U	120	U
4,6-DINITRO-2-METHYLPHENOL	31	U	41	U	42	U
4-BROMOPHENYL PHENYL ETHER	14	U	19	U	19	U
4-CHLORO-3-METHYLPHENOL	16	U	21	U	21	U
4-CHLOROPHENYL PHENYL ETHER	13	U	18	U	18	U
4-METHYLPHENOL	25	U	33	U	33	U
4-NITROPHENOL	52	U	69	U	70	U
ACENAPHTHYLENE	16	U	21	U	21	U
ACENAPTHENE	12	U	16	U	16	U
ANTHRACENE	13	U	17	U	17	U

Notes:

ug/kg - micrograms per kilogram

DUP - denotes field dup. of preceding sample

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**Summary of Total SVOCs in Soil
Caemmerer Yard West Investigation**

Table O.2-41

Location ID	E-28		E-35		E-35	
Sample ID	E-28-LIRR-32-34		E-35-LIRR-0-2		E-35-LIRR-2-4	
Depth	32-34		0-2		2-4	
Dilution Factor	1.0		1.0		1.0	
Sample Date	9/23/2004		9/30/2004		9/30/2004	
Unit	ug/Kg		ug/Kg		ug/Kg	
BENZO(A)ANTHRACENE	87	J	11	U	120	J
BENZO(A)PYRENE	79	J	12	U	110	J
BENZO(B)FLUORANTHENE	77	J	38	U	130	J
BENZO(G,H,I)PERYLENE	23	U	31	U	31	U
BENZO(K)FLUORANTHENE	18	U	24	U	24	U
BENZYL BUTYL PHTHALATE	18	U	24	U	24	U
BIS(2-CHLOROETHOXY)METHANE	25	U	32	U	33	U
BIS(2-CHLOROETHYL-ETHER	26	U	35	U	35	U
BIS(2-ETHYLHEXYL)PHTHALATE	71	J	73	J	16	U
CARBAZOLE	12	U	16	U	16	U
DIBENZ(A,H)ANTHRACENE	16	U	21	U	21	U
DIBENZOFURAN	18	U	23	U	24	U
DIETHYL PHTHALATE	63	J	22	U	22	U
DIMETHYL PHTHALATE	13	U	17	U	17	U
DI-N-BUTYLPHTHALATE	170	J	10	U	10	U
DI-N-OCTYL PHTHALATE	13	U	17	U	17	U
FLUORANTHENE	150	J	10	U	220	J
FLUORENE	15	U	20	U	20	U
HEXACHLORO-1,3-BUTADIENE	19	U	25	U	25	U
HEXACHLOROBENZENE	10	U	13	U	13	U
HEXACHLOROCYCLOPENTADIENE	13	U	18	U	18	U
HEXACHLOROETHANE	26	U	34	U	34	U
INDENO(1,2,3-CD)PYRENE	13	U	17	U	17	U
M-DICHLOROBENZENE	20	U	26	U	26	U
NAPHTHALENE	12	U	15	U	16	U
NITROBENZENE	27	U	36	U	36	U
N-NITROSODI-N-PROPYLAMINE	24	U	31	U	32	U
N-NITROSODIPHENYLAMINE	14	U	18	U	18	U
P-CHLOROANILINE	200	U	260	U	260	U
PENTACHLOROPHENOL	17	U	22	U	22	U
PHENANTHRENE	190	J	16	U	150	J
PHENOL	22	U	30	U	30	U
P-NITROANILINE	42	U	56	U	56	U
PYRENE	170	J	13	U	220	J

Notes:

ug/kg - micrograms per kilogram

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D - Indicates the compound identified in an
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exceeds the calibration range of the
instrument for that specific analysis

**Summary of Total SVOCs in Soil
Caemmerer Yard West Investigation**

Table O.2-41

Location ID	E-35		E-35		E-37	
Sample ID	E-35-LIRR-6-8		E-35-LIRR-10-12		E-37-LIRR-2-4	
Depth	6-8		10-12		2-4	
Dilution Factor	1.0		1.0		1.0	
Sample Date	9/30/2004		9/30/2004		9/30/2004	
Unit	ug/Kg		ug/Kg		ug/Kg	
1,2,4-TRICHLOROBENZENE	24	U	13	U	20	U
CHRYSENE	4900		1600		22	U
1,2-DICHLOROBENZENE	46	U	24	U	38	U
1,4-DICHLOROBENZENE	35	U	18	U	29	U
2,2'-OXYBIS(1-CHLOROPROPANE)	46	U	24	U	37	U
2,4,5-TRICHLOROPHENOL	56	U	29	U	46	U
2,4,6-TRICHLOROPHENOL	31	U	16	U	25	U
2,4-DICHLOROPHENOL	30	U	15	U	24	U
2,4-DIMETHYLPHENOL	120	J	24	U	37	U
2,4-DINITROPHENOL	37	U	19	U	30	U
2,4-DINITROTOLUENE	17	U	8.7	U	14	U
2,6-DINITROTOLUENE	36	U	19	U	29	U
2-CHLORONAPHTHALENE	18	U	9.1	U	14	U
2-CHLOROPHENOL	36	U	19	U	30	U
2-METHYLNAPHTHALENE	1500		7.5	U	12	U
2-METHYLPHENOL	92	J	28	U	44	U
2-NITROANILINE	31	U	16	U	25	U
2-NITROPHENOL	34	U	18	U	28	U
3,3'-DICHLOROBENZIDINE	140	U	70	U	110	U
ISOPHRONE	31	U	16	U	26	U
3-NITROANILINE	140	U	71	U	110	U
4,6-DINITRO-2-METHYLPHENOL	49	U	25	U	40	U
4-BROMOPHENYL PHENYL ETHER	22	U	12	U	18	U
4-CHLORO-3-METHYLPHENOL	25	U	13	U	20	U
4-CHLOROPHENYL PHENYL ETHER	21	U	11	U	17	U
4-METHYLPHENOL	190	J	20	U	32	U
4-NITROPHENOL	82	U	43	U	67	U
ACENAPHTHYLENE	780	J	98	J	21	U
ACENAPTHENE	2700		57	J	15	U
ANTHRACENE	4800		960		16	U

Notes:

ug/kg - micrograms per kilogram

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**Summary of Total SVOCs in Soil
Caemmerer Yard West Investigation**

Table O.2-41

Location ID	E-35		E-35		E-37	
Sample ID	E-35-LIRR-6-8		E-35-LIRR-10-12		E-37-LIRR-2-4	
Depth	6-8		10-12		2-4	
Dilution Factor	1.0		1.0		1.0	
Sample Date	9/30/2004		9/30/2004		9/30/2004	
Unit	ug/Kg		ug/Kg		ug/Kg	
BENZO(A)ANTHRACENE	5300		1900		10	U
BENZO(A)PYRENE	4500		1300		12	U
BENZO(B)FLUORANTHENE	5700		1700		37	U
BENZO(G,H,I)PERYLENE	1100		420	J	30	U
BENZO(K)FLUORANTHENE	2400		580		24	U
BENZYL BUTYL PHTHALATE	28	U	15	U	23	U
BIS(2-CHLOROETHOXY)METHANE	38	U	20	U	32	U
BIS(2-CHLOROETHYL-ETHER	41	U	22	U	34	U
BIS(2-ETHYLHEXYL)PHTHALATE	86	J	88	J	16	U
CARBAZOLE	1900		48	J	15	U
DIBENZ(A,H)ANTHRACENE	190	J	76	J	20	U
DIBENZOFURAN	2300		80	J	23	U
DIETHYL PHTHALATE	26	U	14	U	22	U
DIMETHYL PHTHALATE	20	U	10	U	16	U
DI-N-BUTYLPHTHALATE	11	U	5.8	U	9	U
DI-N-OCTYL PHTHALATE	20	U	10	U	16	U
FLUORANTHENE	8600	E	2600		10	U
FLUORENE	3800		340	J	20	U
HEXACHLORO-1,3-BUTADIENE	30	U	15	U	24	U
HEXACHLOROBENZENE	16	U	8.2	U	13	U
HEXACHLOROCYCLOPENTADIENE	21	U	11	U	17	U
HEXACHLOROETHANE	40	U	21	U	33	U
INDENO(1,2,3-CD)PYRENE	640	J	350	J	17	U
M-DICHLOROBENZENE	31	U	16	U	25	U
NAPHTHALENE	2900		140	J	15	U
NITROBENZENE	43	U	22	U	35	U
N-NITROSODI-N-PROPYLAMINE	37	U	19	U	30	U
N-NITROSODIPHENYLAMINE	21	U	11	U	18	U
P-CHLOROANILINE	310	U	160	U	260	U
PENTACHLOROPHENOL	26	U	14	U	21	U
PHENANTHRENE	12000	E	2200		15	U
PHENOL	35	U	18	U	29	U
P-NITROANILINE	66	U	34	U	54	U
PYRENE	9900	E	2800		12	U

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**Summary of Total SVOCs in Soil
Caemmerer Yard West Investigation**

Table O.2-41

Location ID	E-37		E-37		E-37	
Sample ID	E-37-LIRR-6-8		E-37-LIRR-16-18		E-37-LIRR-20-22	
Depth	6-8		16-18		20-22	
Dilution Factor	5.0		1.0		1.0	
Sample Date	9/29/2004		9/30/2004		9/30/2004	
Unit	ug/Kg		ug/Kg		ug/Kg	
1,2,4-TRICHLOROBENZENE	53	U	11	U	11	U
CHRYSENE	4300		12	U	79	J
1,2-DICHLOROBENZENE	100	U	21	U	21	U
1,4-DICHLOROBENZENE	77	U	16	U	16	U
2,2'-OXYBIS(1-CHLOROPROPANE)	100	U	21	U	21	U
2,4,5-TRICHLOROPHENOL	120	U	25	U	26	U
2,4,6-TRICHLOROPHENOL	67	U	14	U	14	U
2,4-DICHLOROPHENOL	65	U	13	U	14	U
2,4-DIMETHYLPHENOL	100	U	21	U	21	U
2,4-DINITROPHENOL	82	U	17	U	17	U
2,4-DINITROTOLUENE	37	U	8	U	8	U
2,6-DINITROTOLUENE	79	U	16	U	17	U
2-CHLORONAPHTHALENE	39	U	8	U	8	U
2-CHLOROPHENOL	80	U	16	U	17	U
2-METHYLNAPHTHALENE	660	J	7	U	7	U
2-METHYLPHENOL	120	U	24	U	25	U
2-NITROANILINE	67	U	14	U	14	U
2-NITROPHENOL	74	U	15	U	16	U
3,3'-DICHLOROBENZIDINE	300	U	61	U	63	U
ISOPHRONE	69	U	14	U	15	U
3-NITROANILINE	300	U	61	U	63	U
4,6-DINITRO-2-METHYLPHENOL	110	U	22	U	23	U
4-BROMOPHENYL PHENYL ETHER	49	U	10	U	10	U
4-CHLORO-3-METHYLPHENOL	55	U	11	U	12	U
4-CHLOROPHENYL PHENYL ETHER	46	U	9	U	10	U
4-METHYLPHENOL	85	U	17	U	18	U
4-NITROPHENOL	180	U	37	U	38	U
ACENAPHTHYLENE	55	U	11	U	12	U
ACENAPHTHENE	1400	J	8	U	9	U
ANTHRACENE	2700		9	U	42	J

Notes:

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**Summary of Total SVOCs in Soil
Caemmerer Yard West Investigation**

Table O.2-41

Location ID	E-37		E-37		E-37	
Sample ID	E-37-LIRR-6-8		E-37-LIRR-16-18		E-37-LIRR-20-22	
Depth	6-8		16-18		20-22	
Dilution Factor	5.0		1.0		1.0	
Sample Date	9/29/2004		9/30/2004		9/30/2004	
Unit	ug/Kg		ug/Kg		ug/Kg	
BENZO(A)ANTHRACENE	5600		6	U	70	J
BENZO(A)PYRENE	3800		7	U	60	J
BENZO(B)FLUORANTHENE	4300		20	U	59	J
BENZO(G,H,I)PERYLENE	1600	J	17	U	17	U
BENZO(K)FLUORANTHENE	2200		13	U	41	J
BENZYL BUTYL PHTHALATE	62	U	13	U	13	U
BIS(2-CHLOROETHOXY)METHANE	84	U	17	U	18	U
BIS(2-CHLOROETHYL-ETHER	91	U	19	U	19	U
BIS(2-ETHYLHEXYL)PHTHALATE	42	U	9	U	9	U
CARBAZOLE	1200	J	8	U	9	U
DIBENZ(A,H)ANTHRACENE	240	J	11	U	11	U
DIBENZOFURAN	1000	J	13	U	13	U
DIETHYL PHTHALATE	58	U	12	U	12	U
DIMETHYL PHTHALATE	44	U	9	U	9	U
DI-N-BUTYLPHTHALATE	25	U	5	U	5	U
DI-N-OCTYL PHTHALATE	44	U	9	U	9	U
FLUORANTHENE	11000		42	J	140	J
FLUORENE	1600	J	11	U	11	U
HEXACHLORO-1,3-BUTADIENE	65	U	13	U	14	U
HEXACHLOROENZENE	35	U	7	U	7	U
HEXACHLOROCYCLOPENTADIENE	46	U	10	U	10	U
HEXACHLOROETHANE	88	U	18	U	19	U
INDENO(1,2,3-CD)PYRENE	1400	J	9	U	10	U
M-DICHLOROENZENE	68	U	14	U	14	U
NAPHTHALENE	1100	J	8	U	9	U
NITROENZENE	94	U	19	U	20	U
N-NITROSODI-N-PROPYLAMINE	82	U	17	U	17	U
N-NITROSODIPHENYLAMINE	47	U	10	U	10	U
P-CHLOROANILINE	680	U	140	U	140	U
PENTACHLOROPHENOL	58	U	12	U	12	U
PHENANTHRENE	11000		46	J	170	J
PHENOL	77	U	16	U	16	U
P-NITROANILINE	140	U	30	U	31	U
PYRENE	11000		42	J	150	J

Notes:

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**Summary of Total SVOCs in Soil
Caemmerer Yard West Investigation**

Table O.2-41

Location ID	E-50		E-50		E-50	
Sample ID	E-50-LIRR-2-4		DUP-S-09-23-04		E-50-LIRR-4-6	
Depth	2-4		2-4		4-6	
Dilution Factor	1.0		1.0		2.0	
Sample Date	9/23/2004		9/23/2004		9/23/2004	
Unit	ug/Kg		ug/Kg		ug/Kg	
1,2,4-TRICHLOROBENZENE	10	U	9.8	U	40	U
CHRYSENE	11	U	11	U	1900	
1,2-DICHLOROBENZENE	18	U	19	U	76	U
1,4-DICHLOROBENZENE	14	U	14	U	58	U
2,2'-OXYBIS(1-CHLOROPROPANE)	18	U	18	U	75	U
2,4,5-TRICHLOROPHENOL	22	U	23	U	92	U
2,4,6-TRICHLOROPHENOL	12	U	12	U	50	U
2,4-DICHLOROPHENOL	12	U	12	U	49	U
2,4-DIMETHYLPHENOL	18	U	18	U	75	U
2,4-DINITROPHENOL	15	U	15	U	61	U
2,4-DINITROTOLUENE	7	U	6.8	U	28	U
2,6-DINITROTOLUENE	14	U	15	U	59	U
2-CHLORONAPHTHALENE	7	U	7.1	U	29	U
2-CHLOROPHENOL	15	U	15	U	60	U
2-METHYLNAPHTHALENE	6	U	5.9	U	210	J
2-METHYLPHENOL	21	U	22	U	88	U
2-NITROANILINE	12	U	12	U	50	U
2-NITROPHENOL	14	U	14	U	56	U
3,3'-DICHLOROBENZIDINE	54	U	55	U	220	U
ISOPHRONE	13	U	13	U	52	U
3-NITROANILINE	55	U	55	U	220	U
4,6-DINITRO-2-METHYLPHENOL	20	U	20	U	81	U
4-BROMOPHENYL PHENYL ETHER	9	U	9	U	37	U
4-CHLORO-3-METHYLPHENOL	10	U	10	U	41	U
4-CHLOROPHENYL PHENYL ETHER	8	U	8.4	U	34	U
4-METHYLPHENOL	16	U	16	U	64	U
4-NITROPHENOL	33	U	33	U	140	U
ACENAPHTHYLENE	10	U	10	U	150	J
ACENAPTHENE	8	U	7.5	U	720	J
ANTHRACENE	8	U	8.1	U	1300	J

Notes:

ug/kg - micrograms per kilogram

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D - Indicates the compound identified in an
analysis at a secondary dilution factor

E - Indicates the analyte's concentration
exceeds the calibration range of the
instrument for that specific analysis

**Summary of Total SVOCs in Soil
Caemmerer Yard West Investigation**

Table O.2-41

Location ID	E-50		E-50		E-50	
Sample ID	E-50-LIRR-2-4		DUP-S-09-23-04		E-50-LIRR-4-6	
Depth	2-4		2-4		4-6	
Dilution Factor	1.0		1.0		2.0	
Sample Date	9/23/2004		9/23/2004		9/23/2004	
Unit	ug/Kg		ug/Kg		ug/Kg	
BENZO(A)ANTHRACENE	5	U	5.1	U	2000	
BENZO(A)PYRENE	6	U	5.9	U	1500	
BENZO(B)FLUORANTHENE	18	U	18	U	1700	
BENZO(G,H,I)PERYLENE	15	U	15	U	710	J
BENZO(K)FLUORANTHENE	12	U	12	U	900	J
BENZYL BUTYL PHTHALATE	11	U	11	U	47	U
BIS(2-CHLOROETHOXY)METHANE	15	U	16	U	63	U
BIS(2-CHLOROETHYL-ETHER	17	U	17	U	68	U
BIS(2-ETHYLHEXYL)PHTHALATE	8	U	7.8	U	32	U
CARBAZOLE	8	U	7.5	U	520	J
DIBENZ(A,H)ANTHRACENE	10	U	10	U	41	U
DIBENZOFURAN	11	U	11	U	610	J
DIETHYL PHTHALATE	38	J	11	U	44	U
DIMETHYL PHTHALATE	8	U	8.1	U	33	U
DI-N-BUTYLPHTHALATE	110	J	76	J	18	U
DI-N-OCTYL PHTHALATE	8	U	8.1	U	33	U
FLUORANTHENE	5	U	4.7	U	5000	
FLUORENE	10	U	9.7	U	1100	J
HEXACHLORO-1,3-BUTADIENE	12	U	12	U	49	U
HEXACHLOROBENZENE	6	U	6.4	U	26	U
HEXACHLOROCYCLOPENTADIENE	9	U	8.5	U	35	U
HEXACHLOROETHANE	16	U	16	U	66	U
INDENO(1,2,3-CD)PYRENE	8	U	8.2	U	34	U
M-DICHLOROBENZENE	12	U	13	U	51	U
NAPHTHALENE	7	U	7.4	U	430	J
NITROBENZENE	17	U	17	U	71	U
N-NITROSODI-N-PROPYLAMINE	15	U	15	U	61	U
N-NITROSODIPHENYLAMINE	9	U	8.7	U	35	U
P-CHLOROANILINE	130	U	130	U	510	U
PENTACHLOROPHENOL	11	U	11	U	43	U
PHENANTHRENE	8	U	7.6	U	6100	
PHENOL	14	U	14	U	58	U
P-NITROANILINE	26	U	27	U	110	U
PYRENE	6	U	6.1	U	4700	

Notes:

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E - Indicates the analyte's concentration
exceeds the calibration range of the
instrument for that specific analysis

**Summary of Total SVOCs in Soil
Caemmerer Yard West Investigation**

Table O.2-41

Location ID	E-50		E-50		E-51	
Sample ID	E-50-LIRR-10-12		E-50-LIRR-24-26		E-51-LIRR-2-3	
Depth	10-12		24-26		2-3	
Dilution Factor	1.0		1.0		2.0	
Sample Date	9/23/2004		9/23/2004		9/23/2004	
Unit	ug/Kg		ug/Kg		ug/Kg	
1,2,4-TRICHLOROBENZENE	12	U	15	U	39	U
CHRYSENE	13	U	16	U	44	U
1,2-DICHLOROBENZENE	22	U	28	U	75	U
1,4-DICHLOROBENZENE	17	U	21	U	57	U
2,2'-OXYBIS(1-CHLOROPROPANE)	22	U	27	U	74	U
2,4,5-TRICHLOROPHENOL	27	U	33	U	91	U
2,4,6-TRICHLOROPHENOL	15	U	18	U	50	U
2,4-DICHLOROPHENOL	14	U	18	U	48	U
2,4-DIMETHYLPHENOL	22	U	27	U	74	U
2,4-DINITROPHENOL	18	U	22	U	61	U
2,4-DINITROTOLUENE	8	U	10	U	27	U
2,6-DINITROTOLUENE	17	U	22	U	59	U
2-CHLORONAPHTHALENE	9	U	11	U	29	U
2-CHLOROPHENOL	18	U	22	U	59	U
2-METHYLNAPHTHALENE	7	U	9	U	24	U
2-METHYLPHENOL	26	U	32	U	87	U
2-NITROANILINE	15	U	18	U	50	U
2-NITROPHENOL	16	U	20	U	55	U
3,3'-DICHLOROBENZIDINE	65	U	81	U	220	U
ISOPHRONE	15	U	19	U	51	U
3-NITROANILINE	66	U	82	U	220	U
4,6-DINITRO-2-METHYLPHENOL	24	U	29	U	80	U
4-BROMOPHENYL PHENYL ETHER	11	U	13	U	36	U
4-CHLORO-3-METHYLPHENOL	12	U	15	U	41	U
4-CHLOROPHENYL PHENYL ETHER	10	U	13	U	34	U
4-METHYLPHENOL	19	U	23	U	63	U
4-NITROPHENOL	40	U	49	U	130	U
ACENAPHTHYLENE	12	U	15	U	41	U
ACENAPHTHENE	9	U	11	U	30	U
ANTHRACENE	10	U	12	U	33	U

Notes:

ug/kg - micrograms per kilogram

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D - Indicates the compound identified in an
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E - Indicates the analyte's concentration
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instrument for that specific analysis

**Summary of Total SVOCs in Soil
Caemmerer Yard West Investigation**

Table O.2-41

Location ID	E-50		E-50		E-51	
Sample ID	E-50-LIRR-10-12		E-50-LIRR-24-26		E-51-LIRR-2-3	
Depth	10-12		24-26		2-3	
Dilution Factor	1.0		1.0		2.0	
Sample Date	9/23/2004		9/23/2004		9/23/2004	
Unit	ug/Kg		ug/Kg		ug/Kg	
BENZO(A)ANTHRACENE	6	U	8	U	21	U
BENZO(A)PYRENE	7	U	9	U	24	U
BENZO(B)FLUORANTHENE	22	U	27	U	73	U
BENZO(G,H,I)PERYLENE	18	U	22	U	60	U
BENZO(K)FLUORANTHENE	14	U	17	U	47	U
BENZYL BUTYL PHTHALATE	14	U	17	U	46	U
BIS(2-CHLOROETHOXY)METHANE	19	U	23	U	63	U
BIS(2-CHLOROETHYL-ETHER	20	U	25	U	68	U
BIS(2-ETHYLHEXYL)PHTHALATE	9	U	12	U	32	U
CARBAZOLE	9	U	11	U	30	U
DIBENZ(A,H)ANTHRACENE	12	U	15	U	40	U
DIBENZOFURAN	13	U	17	U	45	U
DIETHYL PHTHALATE	13	U	16	U	43	U
DIMETHYL PHTHALATE	10	U	12	U	33	U
DI-N-BUTYLPHTHALATE	5	U	7	U	18	U
DI-N-OCTYL PHTHALATE	10	U	12	U	33	U
FLUORANTHENE	6	U	7	U	19	U
FLUORENE	12	U	14	U	39	U
HEXACHLORO-1,3-BUTADIENE	14	U	18	U	48	U
HEXACHLOROBENZENE	8	U	10	U	26	U
HEXACHLOROCYCLOPENTADIENE	10	U	13	U	34	U
HEXACHLOROETHANE	19	U	24	U	66	U
INDENO(1,2,3-CD)PYRENE	10	U	12	U	33	U
M-DICHLOROBENZENE	15	U	19	U	51	U
NAPHTHALENE	9	U	11	U	30	U
NITROBENZENE	21	U	26	U	70	U
N-NITROSODI-N-PROPYLAMINE	18	U	22	U	61	U
N-NITROSODIPHENYLAMINE	10	U	13	U	35	U
P-CHLOROANILINE	150	U	190	U	510	U
PENTACHLOROPHENOL	13	U	16	U	43	U
PHENANTHRENE	9	U	11	U	31	U
PHENOL	17	U	21	U	57	U
P-NITROANILINE	32	U	40	U	110	U
PYRENE	7	U	9	U	25	U

Notes:

ug/kg - micrograms per kilogram

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but was not detected

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B - Indicates the analyte was found in the blank

D - Indicates the compound identified in an
analysis at a secondary dilution factor

E - Indicates the analyte's concentration
exceeds the calibration range of the
instrument for that specific analysis

**Summary of Total SVOCs in Soil
Caemmerer Yard West Investigation**

Table O.2-41

Location ID	E-51		E-51		E-51	
Sample ID	E-51-LIRR-4-6		E-51-LIRR-7-8		E-51-LIRR-16-19	
Depth	4-6		7-8		16-19	
Dilution Factor	1.0		1.0		1.0	
Sample Date	9/23/2004		9/23/2004		9/23/2004	
Unit	ug/Kg		ug/Kg		ug/Kg	
1,2,4-TRICHLOROBENZENE	10	U	11	U	15	U
CHRYSENE	310	J	190	J	17	U
1,2-DICHLOROBENZENE	20	U	21	U	29	U
1,4-DICHLOROBENZENE	15	U	16	U	22	U
2,2'-OXYBIS(1-CHLOROPROPANE)	20	U	21	U	29	U
2,4,5-TRICHLOROPHENOL	24	U	25	U	36	U
2,4,6-TRICHLOROPHENOL	13	U	14	U	20	U
2,4-DICHLOROPHENOL	13	U	13	U	19	U
2,4-DIMETHYLPHENOL	20	U	21	U	29	U
2,4-DINITROPHENOL	16	U	17	U	24	U
2,4-DINITROTOLUENE	7	U	8	U	11	U
2,6-DINITROTOLUENE	15	U	16	U	23	U
2-CHLORONAPHTHALENE	8	U	8	U	11	U
2-CHLOROPHENOL	16	U	16	U	23	U
2-METHYLNAPHTHALENE	120	J	51	J	9	U
2-METHYLPHENOL	23	U	24	U	34	U
2-NITROANILINE	13	U	14	U	20	U
2-NITROPHENOL	15	U	15	U	22	U
3,3'-DICHLOROBENZIDINE	58	U	61	U	86	U
ISOPHRONE	13	U	14	U	20	U
3-NITROANILINE	59	U	61	U	87	U
4,6-DINITRO-2-METHYLPHENOL	21	U	22	U	31	U
4-BROMOPHENYL PHENYL ETHER	10	U	10	U	14	U
4-CHLORO-3-METHYLPHENOL	11	U	11	U	16	U
4-CHLOROPHENYL PHENYL ETHER	9	U	9	U	13	U
4-METHYLPHENOL	17	U	17	U	25	U
4-NITROPHENOL	35	U	37	U	53	U
ACENAPHTHYLENE	11	U	11	U	16	U
ACENAPHTHENE	45	J	8	U	12	U
ANTHRACENE	100	J	87	J	13	U

Notes:

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D - Indicates the compound identified in an analysis at a secondary dilution factor

E - Indicates the analyte's concentration exceeds the calibration range of the instrument for that specific analysis

**Summary of Total SVOCs in Soil
Caemmerer Yard West Investigation**

Table O.2-41

Location ID	E-51		E-51		E-51	
Sample ID	E-51-LIRR-4-6		E-51-LIRR-7-8		E-51-LIRR-16-19	
Depth	4-6		7-8		16-19	
Dilution Factor	1.0		1.0		1.0	
Sample Date	9/23/2004		9/23/2004		9/23/2004	
Unit	ug/Kg		ug/Kg		ug/Kg	
BENZO(A)ANTHRACENE	320	J	170	J	8	U
BENZO(A)PYRENE	270	J	120	J	9	U
BENZO(B)FLUORANTHENE	250	J	140	J	29	U
BENZO(G,H,I)PERYLENE	140	J	74	J	23	U
BENZO(K)FLUORANTHENE	200	J	55	J	18	U
BENZYL BUTYL PHTHALATE	12	U	13	U	18	U
BIS(2-CHLOROETHOXY)METHANE	17	U	17	U	25	U
BIS(2-CHLOROETHYL-ETHER	18	U	19	U	27	U
BIS(2-ETHYLHEXYL)PHTHALATE	8	U	9	U	12	U
CARBAZOLE	8	U	8	U	12	U
DIBENZ(A,H)ANTHRACENE	11	U	11	U	16	U
DIBENZOFURAN	12	U	13	U	18	U
DIETHYL PHTHALATE	45	J	47	J	59	J
DIMETHYL PHTHALATE	9	U	9	U	13	U
DI-N-BUTYLPHTHALATE	110	J	120	J	160	J
DI-N-OCTYL PHTHALATE	9	U	9	U	13	U
FLUORANTHENE	640		330	J	8	U
FLUORENE	52	J	62	J	15	U
HEXACHLORO-1,3-BUTADIENE	13	U	13	U	19	U
HEXACHLOROBENZENE	7	U	7	U	10	U
HEXACHLOROCYCLOPENTADIENE	9	U	10	U	14	U
HEXACHLOROETHANE	17	U	18	U	26	U
INDENO(1,2,3-CD)PYRENE	130	J	9	U	13	U
M-DICHLOROBENZENE	13	U	14	U	20	U
NAPHTHALENE	870		370	J	12	U
NITROBENZENE	18	U	19	U	27	U
N-NITROSODI-N-PROPYLAMINE	16	U	17	U	24	U
N-NITROSODIPHENYLAMINE	9	U	10	U	14	U
P-CHLOROANILINE	130	U	140	U	200	U
PENTACHLOROPHENOL	11	U	12	U	17	U
PHENANTHRENE	330	J	310	J	12	U
PHENOL	15	U	16	U	22	U
P-NITROANILINE	28	U	30	U	42	U
PYRENE	630		340	J	10	U

Notes:

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instrument for that specific analysis

**Summary of Total SVOCs in Soil
Caemmerer Yard West Investigation**

Table O.2-41

Location ID	E-63		E-63		E-63	
Sample ID	E-63-LIRR-0-2		E-63-LIRR-2-4		E-63-LIRR-14-16	
Depth	0-2		2-4		14-16	
Dilution Factor	1.0		1.0		1.0	
Sample Date	9/4/2004		9/5/2004		9/8/2004	
Unit	ug/Kg		ug/Kg		ug/Kg	
1,2,4-TRICHLOROENZENE	21	U	11	U	11	U
CHRYSENE	320	J	560		2700	
1,2-DICHLOROENZENE	40	U	20	U	21	U
1,4-DICHLOROENZENE	31	U	16	U	16	U
2,2'-OXYBIS(1-CHLOROPROPANE)	40	U	20	U	21	U
2,4,5-TRICHLOROPHENOL	49	U	25	U	26	U
2,4,6-TRICHLOROPHENOL	27	U	14	U	14	U
2,4-DICHLOROPHENOL	26	U	13	U	14	U
2,4-DIMETHYLPHENOL	40	U	20	U	21	U
2,4-DINITROPHENOL	33	U	16	U	17	U
2,4-DINITROTOLUENE	15	U	7	U	8	U
2,6-DINITROTOLUENE	31	U	16	U	17	U
2-CHLORONAPHTHALENE	15	U	8	U	8	U
2-CHLOROPHENOL	32	U	16	U	17	U
2-METHYLNAPHTHALENE	13	U	6	U	670	
2-METHYLPHENOL	47	U	24	U	25	U
2-NITROANILINE	27	U	14	U	14	U
2-NITROPHENOL	30	U	15	U	16	U
3,3'-DICHLOROBENZIDINE	120	U	60	U	63	U
ISOPHRONE	27	U	14	U	15	U
3-NITROANILINE	120	U	60	U	64	U
4,6-DINITRO-2-METHYLPHENOL	43	U	22	U	23	U
4-BROMOPHENYL PHENYL ETHER	19	U	10	U	10	U
4-CHLORO-3-METHYLPHENOL	22	U	11	U	12	U
4-CHLOROPHENYL PHENYL ETHER	18	U	9	U	10	U
4-METHYLPHENOL	34	U	17	U	18	U
4-NITROPHENOL	72	U	36	U	39	U
ACENAPHTHYLENE	22	U	11	U	420	
ACENAPHTHENE	16	U	110	J	880	
ANTHRACENE	120	J	280	J	2200	

Notes:

ug/kg - micrograms per kilogram

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instrument for that specific analysis

**Summary of Total SVOCs in Soil
Caemmerer Yard West Investigation**

Table O.2-41

Location ID	E-63		E-63		E-63	
Sample ID	E-63-LIRR-0-2		E-63-LIRR-2-4		E-63-LIRR-14-16	
Depth	0-2		2-4		14-16	
Dilution Factor	1.0		1.0		1.0	
Sample Date	9/4/2004		9/5/2004		9/8/2004	
Unit	ug/Kg		ug/Kg		ug/Kg	
BENZO(A)ANTHRACENE	290	J	700		2600	
BENZO(A)PYRENE	220	J	680		2200	
BENZO(B)FLUORANTHENE	170	J	590		1900	
BENZO(G,H,I)PERYLENE	75	J	250	J	690	
BENZO(K)FLUORANTHENE	260	J	580		880	
BENZYL BUTYL PHTHALATE	25	U	12	U	13	U
BIS(2-CHLOROETHOXY)METHANE	34	U	17	U	18	U
BIS(2-CHLOROETHYL-ETHER	36	U	18	U	19	U
BIS(2-ETHYLHEXYL)PHTHALATE	17	U	9	U	79	J
CARBAZOLE	16	U	64	J	840	
DIBENZ(A,H)ANTHRACENE	22	U	40	J	80	J
DIBENZOFURAN	24	U	54	J	910	
DIETHYL PHTHALATE	23	U	12	U	12	U
DIMETHYL PHTHALATE	18	U	9	U	9	U
DI-N-BUTYLPHTHALATE	10	U	5	U	5	U
DI-N-OCTYL PHTHALATE	18	U	9	U	9	U
FLUORANTHENE	460	J	1100		6600	E
FLUORENE	21	U	110	J	1500	
HEXACHLORO-1,3-BUTADIENE	26	U	13	U	14	U
HEXACHLOROBENZENE	14	U	7	U	7	U
HEXACHLOROCYCLOPENTADIENE	19	U	9	U	10	U
HEXACHLOROETHANE	35	U	18	U	19	U
INDENO(1,2,3-CD)PYRENE	18	U	170	J	730	
M-DICHLOROBENZENE	27	U	14	U	15	U
NAPHTHALENE	16	U	67	J	1900	
NITROBENZENE	38	U	19	U	20	U
N-NITROSODI-N-PROPYLAMINE	33	U	16	U	17	U
N-NITROSODIPHENYLAMINE	19	U	10	U	10	U
P-CHLOROANILINE	270	U	140	U	150	U
PENTACHLOROPHENOL	23	U	12	U	12	U
PHENANTHRENE	320	J	720		13000	E
PHENOL	31	U	16	U	16	U
P-NITROANILINE	58	U	29	U	31	U
PYRENE	590	J	1200		9000	E

Notes:

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instrument for that specific analysis

**Summary of Total SVOCs in Soil
Caemmerer Yard West Investigation**

Table O.2-41

Location ID	E-63		E-63		E-63	
Sample ID	E-63-LIRR-14-16DL		E-63-LIRR-18-20		E-63-LIRR-20-22	
Depth	14-16		18-20		20-22	
Dilution Factor	10.0		1.0		5.0	
Sample Date	9/8/2004		9/8/2004		9/8/2004	
Unit	ug/Kg		ug/Kg		ug/Kg	
1,2,4-TRICHLOROENZENE	110	U	11	U	110	U
CHRYSENE	2600	J	12	U	38000	E
1,2-DICHLOROENZENE	210	U	21	U	220	U
1,4-DICHLOROENZENE	160	U	16	U	170	U
2,2'-OXYBIS(1-CHLOROPROPANE)	210	U	21	U	220	U
2,4,5-TRICHLOROPHENOL	260	U	26	U	260	U
2,4,6-TRICHLOROPHENOL	140	U	14	U	140	U
2,4-DICHLOROPHENOL	140	U	14	U	140	U
2,4-DIMETHYLPHENOL	210	U	21	U	220	U
2,4-DINITROPHENOL	170	U	17	U	180	U
2,4-DINITROTOLUENE	79	U	8	U	80	U
2,6-DINITROTOLUENE	170	U	17	U	170	U
2-CHLORONAPHTHALENE	82	U	8	U	83	U
2-CHLOROPHENOL	170	U	17	U	170	U
2-METHYLNAPHTHALENE	640	J	7	U	6200	
2-METHYLPHENOL	250	U	25	U	250	U
2-NITROANILINE	140	U	14	U	140	U
2-NITROPHENOL	160	U	16	U	160	U
3,3'-DICHLOROBENZIDINE	630	U	63	U	640	U
ISOPHRONE	150	U	15	U	150	U
3-NITROANILINE	640	U	63	U	640	U
4,6-DINITRO-2-METHYLPHENOL	230	U	23	U	230	U
4-BROMOPHENYL PHENYL ETHER	100	U	10	U	100	U
4-CHLORO-3-METHYLPHENOL	120	U	12	U	120	U
4-CHLOROPHENYL PHENYL ETHER	98	U	10	U	99	U
4-METHYLPHENOL	180	U	18	U	180	U
4-NITROPHENOL	390	U	38	U	390	U
ACENAPHTHYLENE	400	J	12	U	4600	
ACENAPTHENE	800	J	9	U	9500	
ANTHRACENE	2000	J	9	U	25000	

Notes:

ug/kg - micrograms per kilogram

DUP - denotes field duplicate of preceding sample

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instrument for that specific analysis

**Summary of Total SVOCs in Soil
Caemmerer Yard West Investigation**

Table O.2-41

Location ID	E-63		E-63		E-63	
Sample ID	E-63-LIRR-14-16DL		E-63-LIRR-18-20		E-63-LIRR-20-22	
Depth	14-16		18-20		20-22	
Dilution Factor	10.0		1.0		5.0	
Sample Date	9/8/2004		9/8/2004		9/8/2004	
Unit	ug/Kg		ug/Kg		ug/Kg	
BENZO(A)ANTHRACENE	2600	J	6	U	34000	E
BENZO(A)PYRENE	2000	J	7	U	30000	
BENZO(B)FLUORANTHENE	1700	J	21	U	31000	
BENZO(G,H,I)PERYLENE	1100	J	17	U	7400	
BENZO(K)FLUORANTHENE	920	J	13	U	12000	
BENZYL BUTYL PHTHALATE	130	U	13	U	130	U
BIS(2-CHLOROETHOXY)METHANE	180	U	18	U	180	U
BIS(2-CHLOROETHYL-ETHER	190	U	19	U	200	U
BIS(2-ETHYLHEXYL)PHTHALATE	91	U	43	J	92	U
CARBAZOLE	830	J	9	U	10000	
DIBENZ(A,H)ANTHRACENE	120	U	12	U	1000	J
DIBENZOFURAN	860	J	13	U	11000	
DIETHYL PHTHALATE	120	U	12	U	130	U
DIMETHYL PHTHALATE	94	U	9	U	95	U
DI-N-BUTYLPHTHALATE	53	U	5	U	53	U
DI-N-OCTYL PHTHALATE	94	U	9	U	95	U
FLUORANTHENE	5300		6	U	87000	E
FLUORENE	1400	J	11	U	15000	
HEXACHLORO-1,3-BUTADIENE	140	U	14	U	140	U
HEXACHLOROBENZENE	74	U	7	U	75	U
HEXACHLOROCYCLOPENTADIENE	99	U	10	U	100	U
HEXACHLOROETHANE	190	U	19	U	190	U
INDENO(1,2,3-CD)PYRENE	1100	J	10	U	8100	
M-DICHLOROBENZENE	150	U	14	U	150	U
NAPHTHALENE	1800	J	9	U	18000	
NITROBENZENE	200	U	20	U	200	U
N-NITROSODI-N-PROPYLAMINE	170	U	17	U	180	U
N-NITROSODIPHENYLAMINE	100	U	10	U	100	U
P-CHLOROANILINE	1500	U	150	U	1500	U
PENTACHLOROPHENOL	120	U	12	U	120	U
PHENANTHRENE	10000		63	J	130000	E
PHENOL	160	U	16	U	170	U
P-NITROANILINE	310	U	31	U	310	U
PYRENE	8000		72	J	95000	E

Notes:

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instrument for that specific analysis

**Summary of Total SVOCs in Soil
Caemmerer Yard West Investigation**

Table O.2-41

Location ID	E-63		E-64		E-64	
Sample ID	E-63-LIRR-20-22DL		E-64-LIRR-1-2		E-64-LIRR-4-6	
Depth	20-22		1-2		4-6	
Dilution Factor	50.0		2.0		2.0	
Sample Date	9/8/2004		9/8/2004		9/8/2004	
Unit	ug/Kg		ug/Kg		ug/Kg	
1,2,4-TRICHLOROBENZENE	1100	U	43	U	42	U
CHRYSENE	33000	J	48	U	4100	
1,2-DICHLOROBENZENE	2200	U	82	U	79	U
1,4-DICHLOROBENZENE	1700	U	63	U	61	U
2,2'-OXYBIS(1-CHLOROPROPANE)	2200	U	82	U	79	U
2,4,5-TRICHLOROPHENOL	2600	U	100	U	96	U
2,4,6-TRICHLOROPHENOL	1400	U	55	U	53	U
2,4-DICHLOROPHENOL	1400	U	53	U	51	U
2,4-DIMETHYLPHENOL	2200	U	82	U	79	U
2,4-DINITROPHENOL	1800	U	67	U	64	U
2,4-DINITROTOLUENE	800	U	30	U	29	U
2,6-DINITROTOLUENE	1700	U	64	U	62	U
2-CHLORONAPHTHALENE	830	U	31	U	30	U
2-CHLOROPHENOL	1700	U	65	U	63	U
2-METHYLNAPHTHALENE	6500	J	26	U	440	J
2-METHYLPHENOL	2500	U	95	U	92	U
2-NITROANILINE	1400	U	55	U	53	U
2-NITROPHENOL	1600	U	61	U	59	U
3,3'-DICHLOROBENZIDINE	6400	U	240	U	230	U
ISOPHRONE	1500	U	56	U	54	U
3-NITROANILINE	6400	U	240	U	240	U
4,6-DINITRO-2-METHYLPHENOL	2300	U	88	U	85	U
4-BROMOPHENYL PHENYL ETHER	1000	U	40	U	38	U
4-CHLORO-3-METHYLPHENOL	1200	U	45	U	43	U
4-CHLOROPHENYL PHENYL ETHER	990	U	37	U	36	U
4-METHYLPHENOL	1800	U	69	U	67	U
4-NITROPHENOL	3900	U	150	U	140	U
ACENAPHTHYLENE	4200	J	45	U	440	J
ACENAPTHENE	9100	J	33	U	1200	J
ANTHRACENE	23000	J	36	U	3500	

Notes:

ug/kg - micrograms per kilogram

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instrument for that specific analysis

**Summary of Total SVOCs in Soil
Caemmerer Yard West Investigation**

Table O.2-41

Location ID	E-63		E-64		E-64	
Sample ID	E-63-LIRR-20-22DL		E-64-LIRR-1-2		E-64-LIRR-4-6	
Depth	20-22		1-2		4-6	
Dilution Factor	50.0		2.0		2.0	
Sample Date	9/8/2004		9/8/2004		9/8/2004	
Unit	ug/Kg		ug/Kg		ug/Kg	
BENZO(A)ANTHRACENE	34000	J	23	U	4100	
BENZO(A)PYRENE	29000	J	26	U	3000	
BENZO(B)FLUORANTHENE	27000	J	80	U	3400	
BENZO(G,H,I)PERYLENE	18000	J	66	U	1000	J
BENZO(K)FLUORANTHENE	16000	J	52	U	1700	
BENZYL BUTYL PHTHALATE	1300	U	300	J	49	U
BIS(2-CHLOROETHOXY)METHANE	1800	U	69	U	66	U
BIS(2-CHLOROETHYL-ETHER	2000	U	74	U	72	U
BIS(2-ETHYLHEXYL)PHTHALATE	920	U	970	J	33	U
CARBAZOLE	10000	J	33	U	920	J
DIBENZ(A,H)ANTHRACENE	1200	U	44	U	180	J
DIBENZOFURAN	10000	J	50	U	1200	J
DIETHYL PHTHALATE	1300	U	47	U	46	U
DIMETHYL PHTHALATE	950	U	36	U	35	U
DI-N-BUTYLPHTHALATE	530	U	20	U	19	U
DI-N-OCTYL PHTHALATE	950	U	36	U	35	U
FLUORANTHENE	71000		21	U	9900	
FLUORENE	15000	J	43	U	1900	
HEXACHLORO-1,3-BUTADIENE	1400	U	53	U	51	U
HEXACHLOROBENZENE	750	U	28	U	27	U
HEXACHLOROCYCLOPENTADIENE	1000	U	38	U	37	U
HEXACHLOROETHANE	1900	U	72	U	70	U
INDENO(1,2,3-CD)PYRENE	17000	J	37	U	1100	J
M-DICHLOROBENZENE	1500	U	56	U	54	U
NAPHTHALENE	17000	J	33	U	670	J
NITROBENZENE	2000	U	77	U	74	U
N-NITROSODI-N-PROPYLAMINE	1800	U	67	U	64	U
N-NITROSODIPHENYLAMINE	1000	U	38	U	37	U
P-CHLOROANILINE	15000	U	560	U	540	U
PENTACHLOROPHENOL	1200	U	47	U	45	U
PHENANTHRENE	120000		34	U	16000	E
PHENOL	1700	U	63	U	61	U
P-NITROANILINE	3100	U	120	U	110	U
PYRENE	91000		27	U	10000	

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**Summary of Total SVOCs in Soil
Caemmerer Yard West Investigation**

Table O.2-41

Location ID	E-64		E-64		E-64	
Sample ID	E-64-LIRR-4-6DL		E-64-LIRR-4-6-A		E-64-LIRR-10-12-A	
Depth	4-6		4-6		10-12	
Dilution Factor	10.0		1.0		1.0	
Sample Date	9/8/2004		9/18/2004		9/18/2004	
Unit	ug/Kg		ug/Kg		ug/Kg	
1,2,4-TRICHLOROBENZENE	210	UD	11	U	11	U
CHRYSENE	3700	JD	120	J	41	J
1,2-DICHLOROBENZENE	400	UD	22	U	22	U
1,4-DICHLOROBENZENE	300	UD	17	U	17	U
2,2'-OXYBIS(1-CHLOROPROPANE)	390	UD	22	U	21	U
2,4,5-TRICHLOROPHENOL	480	UD	26	U	26	U
2,4,6-TRICHLOROPHENOL	260	UD	14	U	14	U
2,4-DICHLOROPHENOL	260	UD	14	U	14	U
2,4-DIMETHYLPHENOL	390	UD	22	U	21	U
2,4-DINITROPHENOL	320	UD	18	U	17	U
2,4-DINITROTOLUENE	150	UD	8	U	8	U
2,6-DINITROTOLUENE	310	UD	17	U	17	U
2-CHLORONAPHTHALENE	150	UD	8	U	8	U
2-CHLOROPHENOL	310	UD	17	U	17	U
2-METHYLNAPHTHALENE	130	UD	7	U	7	U
2-METHYLPHENOL	460	UD	25	U	25	U
2-NITROANILINE	260	UD	14	U	14	U
2-NITROPHENOL	290	UD	16	U	16	U
3,3'-DICHLOROBENZIDINE	1200	UD	64	U	64	U
ISOPHRONE	270	UD	15	U	15	U
3-NITROANILINE	1200	UD	65	U	64	U
4,6-DINITRO-2-METHYLPHENOL	420	UD	23	U	23	U
4-BROMOPHENYL PHENYL ETHER	190	UD	11	U	10	U
4-CHLORO-3-METHYLPHENOL	220	UD	12	U	12	U
4-CHLOROPHENYL PHENYL ETHER	180	UD	10	U	10	U
4-METHYLPHENOL	330	UD	18	U	18	U
4-NITROPHENOL	710	UD	39	U	39	U
ACENAPHTHYLENE	220	UD	12	U	12	U
ACENAPHTHENE	1100	JD	56	J	9	U
ANTHRACENE	3300	JD	110	J	9	U

Notes:

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**Summary of Total SVOCs in Soil
Caemmerer Yard West Investigation**

Table O.2-41

Location ID	E-64		E-64		E-64	
Sample ID	E-64-LIRR-4-6DL		E-64-LIRR-4-6-A		E-64-LIRR-10-12-A	
Depth	4-6		4-6		10-12	
Dilution Factor	10.0		1.0		1.0	
Sample Date	9/8/2004		9/18/2004		9/18/2004	
Unit	ug/Kg		ug/Kg		ug/Kg	
BENZO(A)ANTHRACENE	4100	JD	110	J	6	U
BENZO(A)PYRENE	3000	JD	87	J	7	U
BENZO(B)FLUORANTHENE	3500	JD	90	J	21	U
BENZO(G,H,I)PERYLENE	1100	JD	43	J	17	U
BENZO(K)FLUORANTHENE	1500	JD	51	J	14	U
BENZYL BUTYL PHTHALATE	240	UD	13	U	13	U
BIS(2-CHLOROETHOXY)METHANE	330	UD	18	U	18	U
BIS(2-CHLOROETHYL-ETHER	360	UD	20	U	19	U
BIS(2-ETHYLHEXYL)PHTHALATE	170	UD	9	U	94	J
CARBAZOLE	810	JD	41	J	9	U
DIBENZ(A,H)ANTHRACENE	210	UD	12	U	12	U
DIBENZOFURAN	1100	JD	43	J	13	U
DIETHYL PHTHALATE	230	UD	13	U	12	U
DIMETHYL PHTHALATE	170	UD	10	U	9	U
DI-N-BUTYLPHTHALATE	97	UD	5	U	5	U
DI-N-OCTYL PHTHALATE	170	UD	10	U	9	U
FLUORANTHENE	7800	D	250	J	70	J
FLUORENE	1800	JD	66	J	11	U
HEXACHLORO-1,3-BUTADIENE	260	UD	14	U	14	U
HEXACHLOROBENZENE	140	UD	8	U	7	U
HEXACHLOROCYCLOPENTADIENE	180	UD	10	U	10	U
HEXACHLOROETHANE	350	UD	19	U	19	U
INDENO(1,2,3-CD)PYRENE	1300	JD	10	U	10	U
M-DICHLOROBENZENE	270	UD	15	U	15	U
NAPHTHALENE	160	UD	79	J	9	U
NITROBENZENE	370	UD	20	U	20	U
N-NITROSODI-N-PROPYLAMINE	320	UD	18	U	17	U
N-NITROSODIPHENYLAMINE	180	UD	10	U	10	U
P-CHLOROANILINE	2700	UD	150	U	150	U
PENTACHLOROPHENOL	230	UD	12	U	12	U
PHENANTHRENE	11000	D	270	J	79	J
PHENOL	300	UD	17	U	17	U
P-NITROANILINE	570	UD	31	U	31	U
PYRENE	8800	D	260	J	69	J

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**Summary of Total SVOCs in Soil
Caemmerer Yard West Investigation**

Table O.2-41

Location ID	E-16		E-16		E-16	
Sample ID	E-16-NYDOS-12-14		E-16-NYDOS-16-18		E-16-NYDOS-20-22	
Depth	12-14		16-18		20-22	
Dilution Factor	1.0		1.0		1.0	
Sample Date	9/12/2004		9/12/2004		9/12/2004	
Unit	ug/Kg		ug/Kg		ug/Kg	
1,2,4-TRICHLOROBENZENE	12	U	11	U	12	U
CHRYSENE	390	J	13	U	95	J
1,2-DICHLOROBENZENE	22	U	21	U	22	U
1,4-DICHLOROBENZENE	17	U	16	U	17	U
2,2'-OXYBIS(1-CHLOROPROPANE)	22	U	21	U	22	U
2,4,5-TRICHLOROPHENOL	27	U	26	U	27	U
2,4,6-TRICHLOROPHENOL	15	U	14	U	15	U
2,4-DICHLOROPHENOL	14	U	14	U	14	U
2,4-DIMETHYLPHENOL	22	U	21	U	22	U
2,4-DINITROPHENOL	18	U	17	U	18	U
2,4-DINITROTOLUENE	8	U	7.9	U	8.2	U
2,6-DINITROTOLUENE	17	U	17	U	17	U
2-CHLORONAPHTHALENE	8.4	U	8.2	U	8.5	U
2-CHLOROPHENOL	17	U	17	U	18	U
2-METHYLNAPHTHALENE	6.9	U	6.8	U	7	U
2-METHYLPHENOL	25	U	25	U	26	U
2-NITROANILINE	15	U	14	U	15	U
2-NITROPHENOL	16	U	16	U	16	U
3,3'-DICHLOROBENZIDINE	65	U	63	U	66	U
ISOPHRONE	15	U	15	U	15	U
3-NITROANILINE	65	U	64	U	66	U
4,6-DINITRO-2-METHYLPHENOL	23	U	23	U	24	U
4-BROMOPHENYL PHENYL ETHER	11	U	10	U	11	U
4-CHLORO-3-METHYLPHENOL	12	U	12	U	12	U
4-CHLOROPHENYL PHENYL ETHER	10	U	9.8	U	10	U
4-METHYLPHENOL	19	U	18	U	19	U
4-NITROPHENOL	39	U	39	U	40	U
ACENAPHTHYLENE	12	U	12	U	12	U
ACENAPTHENE	110	J	8.7	U	9	U
ANTHRACENE	230	J	9.4	U	55	J

Notes:

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**Summary of Total SVOCs in Soil
Caemmerer Yard West Investigation**

Table O.2-41

Location ID	E-16		E-16		E-16	
Sample ID	E-16-NYDOS-12-14		E-16-NYDOS-16-18		E-16-NYDOS-20-22	
Depth	12-14		16-18		20-22	
Dilution Factor	1.0		1.0		1.0	
Sample Date	9/12/2004		9/12/2004		9/12/2004	
Unit	ug/Kg		ug/Kg		ug/Kg	
BENZO(A)ANTHRACENE	450		6	U	67	J
BENZO(A)PYRENE	370	J	6.8	U	62	J
BENZO(B)FLUORANTHENE	400		21	U	64	J
BENZO(G,H,I)PERYLENE	220	J	17	U	18	U
BENZO(K)FLUORANTHENE	230	J	13	U	14	U
BENZYL BUTYL PHTHALATE	14	U	13	U	14	U
BIS(2-CHLOROETHOXY)METHANE	18	U	18	U	19	U
BIS(2-CHLOROETHYL-ETHER	20	U	19	U	20	U
BIS(2-ETHYLHEXYL)PHTHALATE	160	J	96	J	130	J
CARBAZOLE	65	J	8.7	U	9	U
DIBENZ(A,H)ANTHRACENE	12	U	12	U	12	U
DIBENZOFURAN	13	U	13	U	13	U
DIETHYL PHTHALATE	13	U	12	U	13	U
DIMETHYL PHTHALATE	9.6	U	9.4	U	9.8	U
DI-N-BUTYLPHTHALATE	5.4	U	5.3	U	5.4	U
DI-N-OCTYL PHTHALATE	9.6	U	9.4	U	9.8	U
FLUORANTHENE	1000		61	J	160	J
FLUORENE	110	J	11	U	12	U
HEXACHLORO-1,3-BUTADIENE	14	U	14	U	14	U
HEXACHLOROBENZENE	7.6	U	7.4	U	7.7	U
HEXACHLOROCYCLOPENTADIENE	10	U	9.9	U	10	U
HEXACHLOROETHANE	19	U	19	U	20	U
INDENO(1,2,3-CD)PYRENE	170	J	9.5	U	9.9	U
M-DICHLOROBENZENE	15	U	15	U	15	U
NAPHTHALENE	8.8	U	8.6	U	8.9	U
NITROBENZENE	20	U	20	U	21	U
N-NITROSODI-N-PROPYLAMINE	18	U	17	U	18	U
N-NITROSODIPHENYLAMINE	10	U	10	U	10	U
P-CHLOROANILINE	150	U	150	U	150	U
PENTACHLOROPHENOL	13	U	12	U	13	U
PHENANTHRENE	730		70	J	150	J
PHENOL	17	U	16	U	17	U
P-NITROANILINE	32	U	31	U	32	U
PYRENE	990		65	J	170	J

Notes:

ug/kg - micrograms per kilogram

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but was not detected

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D - Indicates the compound identified in an
analysis at a secondary dilution factor

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instrument for that specific analysis

**Summary of Total SVOCs in Soil
Caemmerer Yard West Investigation**

Table O.2-41

Location ID	E-17		E-17		E-17	
Sample ID	E-17-DOS-2-3		E-17-DOS-7-9		E-17-DOS-13-16	
Depth	2-3		7-9		13-16	
Dilution Factor	1.0		1.0		1.0	
Sample Date	9/10/2004		9/10/2004		9/10/2004	
Unit	ug/Kg		ug/Kg		ug/Kg	
1,2,4-TRICHLOROBENZENE	11	U	11	U	11	U
CHRYSENE	590		140	J	98	J
1,2-DICHLOROBENZENE	20	U	21	U	22	U
1,4-DICHLOROBENZENE	15	U	16	U	17	U
2,2'-OXYBIS(1-CHLOROPROPANE)	20	U	21	U	21	U
2,4,5-TRICHLOROPHENOL	24	U	25	U	26	U
2,4,6-TRICHLOROPHENOL	13	U	14	U	14	U
2,4-DICHLOROPHENOL	13	U	13	U	14	U
2,4-DIMETHYLPHENOL	20	U	21	U	21	U
2,4-DINITROPHENOL	16	U	17	U	17	U
2,4-DINITROTOLUENE	7.4	U	7.6	U	7.9	U
2,6-DINITROTOLUENE	16	U	16	U	17	U
2-CHLORONAPHTHALENE	7.7	U	8	U	8.3	U
2-CHLOROPHENOL	16	U	17	U	17	U
2-METHYLNAPHTHALENE	85	J	6.6	U	6.8	U
2-METHYLPHENOL	23	U	24	U	25	U
2-NITROANILINE	13	U	14	U	14	U
2-NITROPHENOL	15	U	15	U	16	U
3,3'-DICHLOROBENZIDINE	59	U	61	U	64	U
ISOPHRONE	14	U	14	U	15	U
3-NITROANILINE	60	U	62	U	64	U
4,6-DINITRO-2-METHYLPHENOL	21	U	22	U	23	U
4-BROMOPHENYL PHENYL ETHER	9.7	U	10	U	10	U
4-CHLORO-3-METHYLPHENOL	11	U	11	U	12	U
4-CHLOROPHENYL PHENYL ETHER	9.1	U	9.5	U	9.8	U
4-METHYLPHENOL	17	U	18	U	18	U
4-NITROPHENOL	36	U	37	U	39	U
ACENAPHTHYLENE	51	J	11	U	12	U
ACENAPHTHENE	100	J	8.4	U	8.7	U
ANTHRACENE	240	J	64	J	48	J

Notes:

ug/kg - micrograms per kilogram

DUP - denotes field duplicate of preceding sample

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but was not detected

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B - Indicates the analyte was found in the blank

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instrument for that specific analysis

**Summary of Total SVOCs in Soil
Caemmerer Yard West Investigation**

Table O.2-41

Location ID	E-17		E-17		E-17	
Sample ID	E-17-DOS-2-3		E-17-DOS-7-9		E-17-DOS-13-16	
Depth	2-3		7-9		13-16	
Dilution Factor	1.0		1.0		1.0	
Sample Date	9/10/2004		9/10/2004		9/10/2004	
Unit	ug/Kg		ug/Kg		ug/Kg	
BENZO(A)ANTHRACENE	630		150	J	83	J
BENZO(A)PYRENE	560		130	J	74	J
BENZO(B)FLUORANTHENE	610		150	J	77	J
BENZO(G,H,I)PERYLENE	240	J	76	J	46	J
BENZO(K)FLUORANTHENE	350	J	73	J	58	J
BENZYL BUTYL PHTHALATE	12	U	13	U	13	U
BIS(2-CHLOROETHOXY)METHANE	17	U	17	U	18	U
BIS(2-CHLOROETHYL-ETHER	18	U	19	U	19	U
BIS(2-ETHYLHEXYL)PHTHALATE	340	J	220	J	71	J
CARBAZOLE	78	J	8.4	U	8.7	U
DIBENZ(A,H)ANTHRACENE	41	J	11	U	12	U
DIBENZOFURAN	92	J	13	U	13	U
DIETHYL PHTHALATE	12	U	12	U	12	U
DIMETHYL PHTHALATE	8.8	U	9.1	U	9.4	U
DI-N-BUTYLPHTHALATE	4.9	U	5.1	U	5.3	U
DI-N-OCTYL PHTHALATE	8.8	U	9.1	U	9.4	U
FLUORANTHENE	1100		270	J	190	J
FLUORENE	120	J	11	U	11	U
HEXACHLORO-1,3-BUTADIENE	13	U	13	U	14	U
HEXACHLOROBENZENE	6.9	U	7.2	U	7.4	U
HEXACHLOROCYCLOPENTADIENE	9.3	U	9.6	U	9.9	U
HEXACHLOROETHANE	18	U	18	U	19	U
INDENO(1,2,3-CD)PYRENE	210	J	65	J	9.6	U
M-DICHLOROBENZENE	14	U	14	U	15	U
NAPHTHALENE	160	J	63	J	8.6	U
NITROBENZENE	19	U	19	U	20	U
N-NITROSODI-N-PROPYLAMINE	16	U	17	U	17	U
N-NITROSODIPHENYLAMINE	9.4	U	9.7	U	10	U
P-CHLOROANILINE	140	U	140	U	150	U
PENTACHLOROPHENOL	11	U	12	U	12	U
PHENANTHRENE	700		200	J	140	J
PHENOL	15	U	16	U	17	U
P-NITROANILINE	29	U	30	U	31	U
PYRENE	1200		320	J	210	J

Notes:

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instrument for that specific analysis

**Summary of Total SVOCs in Soil
Caemmerer Yard West Investigation**

Table O.2-41

Location ID	SB-E-08		SB-E-08		SB-E-10	
Sample ID	SB-E-08-LIRR-6-9		SB-E-08-LIRR-15-17		SB-E-10-NYDOS-2-4	
Depth	6-9		15-17		2-4	
Dilution Factor	1.0		1.0		1.0	
Sample Date	9/20/2004		9/20/2004		9/17/2004	
Unit	ug/Kg		ug/Kg		ug/Kg	
1,2,4-TRICHLOROBENZENE	11	U	12	U	21	U
CHRYSENE	12	U	13	U	870	
1,2-DICHLOROBENZENE	21	U	22	U	40	U
1,4-DICHLOROBENZENE	16	U	17	U	31	U
2,2'-OXYBIS(1-CHLOROPROPANE)	21	U	22	U	40	U
2,4,5-TRICHLOROPHENOL	25	U	27	U	49	U
2,4,6-TRICHLOROPHENOL	14	U	15	U	27	U
2,4-DICHLOROPHENOL	13	U	14	U	26	U
2,4-DIMETHYLPHENOL	21	U	22	U	40	U
2,4-DINITROPHENOL	17	U	18	U	32	U
2,4-DINITROTOLUENE	7.6	U	8.2	U	15	U
2,6-DINITROTOLUENE	16	U	17	U	31	U
2-CHLORONAPHTHALENE	7.9	U	8.5	U	15	U
2-CHLOROPHENOL	16	U	18	U	32	U
2-METHYLNAPHTHALENE	6.6	U	7.1	U	140	J
2-METHYLPHENOL	24	U	26	U	46	U
2-NITROANILINE	14	U	15	U	27	U
2-NITROPHENOL	15	U	16	U	30	U
3,3'-DICHLOROBENZIDINE	61	U	66	U	120	U
ISOPHRONE	14	U	15	U	27	U
3-NITROANILINE	61	U	66	U	120	U
4,6-DINITRO-2-METHYLPHENOL	22	U	24	U	43	U
4-BROMOPHENYL PHENYL ETHER	10	U	11	U	19	U
4-CHLORO-3-METHYLPHENOL	11	U	12	U	22	U
4-CHLOROPHENYL PHENYL ETHER	9.4	U	10	U	18	U
4-METHYLPHENOL	17	U	19	U	34	U
4-NITROPHENOL	37	U	40	U	72	U
ACENAPHTHYLENE	11	U	12	U	22	U
ACENAPTHENE	8.4	U	9	U	270	J
ANTHRACENE	9.1	U	9.8	U	550	J

Notes:

ug/kg - micrograms per kilogram

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exceeds the calibration range of the
instrument for that specific analysis

**Summary of Total SVOCs in Soil
Caemmerer Yard West Investigation**

Table O.2-41

Location ID	SB-E-08		SB-E-08		SB-E-10	
Sample ID	SB-E-08-LIRR-6-9		SB-E-08-LIRR-15-17		SB-E-10-NYDOS-2-4	
Depth	6-9		15-17		2-4	
Dilution Factor	1.0		1.0		1.0	
Sample Date	9/20/2004		9/20/2004		9/17/2004	
Unit	ug/Kg		ug/Kg		ug/Kg	
BENZO(A)ANTHRACENE	5.7	U	6.2	U	870	
BENZO(A)PYRENE	6.6	U	7.1	U	750	
BENZO(B)FLUORANTHENE	20	U	22	U	940	
BENZO(G,H,I)PERYLENE	17	U	18	U	290	J
BENZO(K)FLUORANTHENE	13	U	14	U	310	J
BENZYL BUTYL PHTHALATE	13	U	14	U	25	U
BIS(2-CHLOROETHOXY)METHANE	17	U	19	U	34	U
BIS(2-CHLOROETHYL-ETHER	19	U	20	U	36	U
BIS(2-ETHYLHEXYL)PHTHALATE	98	J	95	J	17	U
CARBAZOLE	8.4	U	9	U	170	J
DIBENZ(A,H)ANTHRACENE	11	U	12	U	22	U
DIBENZOFURAN	13	U	13	U	200	J
DIETHYL PHTHALATE	12	U	13	U	23	U
DIMETHYL PHTHALATE	9.1	U	9.8	U	18	U
DI-N-BUTYLPHTHALATE	5.1	U	5.4	U	9.8	U
DI-N-OCTYL PHTHALATE	9.1	U	9.8	U	18	U
FLUORANTHENE	69	J	5.7	U	1900	
FLUORENE	11	U	12	U	290	J
HEXACHLORO-1,3-BUTADIENE	13	U	14	U	26	U
HEXACHLOROENZENE	7.1	U	7.7	U	14	U
HEXACHLOROCYCLOPENTADIENE	9.5	U	10	U	18	U
HEXACHLOROETHANE	18	U	20	U	35	U
INDENO(1,2,3-CD)PYRENE	9.2	U	9.9	U	240	J
M-DICHLOROENZENE	14	U	15	U	27	U
NAPHTHALENE	46	J	8.9	U	16	U
NITROENZENE	19	U	21	U	37	U
N-NITROSODI-N-PROPYLAMINE	17	U	18	U	32	U
N-NITROSODIPHENYLAMINE	9.7	U	10	U	19	U
P-CHLOROANILINE	140	U	150	U	270	U
PENTACHLOROPHENOL	12	U	13	U	23	U
PHENANTHRENE	83	J	9.2	U	1800	
PHENOL	16	U	17	U	31	U
P-NITROANILINE	30	U	32	U	57	U
PYRENE	48	J	7.3	U	2000	

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**Summary of Total SVOCs in Soil
Caemmerer Yard West Investigation**

Table O.2-41

Location ID	SB-E-10		SB-E-10		SB-E-10	
Sample ID	SB-E-10-NYDOS-2-4		SB-E-10-NYDOS-12-14		SB-E-10-NYDOS-20-22	
Depth	2-4		12-14		20-22	
Dilution Factor	1.0		1.0		1.0	
Sample Date	9/17/2004		9/17/2004		9/12/2004	
Unit	ug/Kg		ug/Kg		ug/Kg	
1,2,4-TRICHLOROBENZENE	21	U	11	U	13	U
CHRYSENE	870		13	U	15	U
1,2-DICHLOROBENZENE	40	U	22	U	25	U
1,4-DICHLOROBENZENE	31	U	17	U	19	U
2,2'-OXYBIS(1-CHLOROPROPANE)	40	U	21	U	25	U
2,4,5-TRICHLOROPHENOL	49	U	26	U	31	U
2,4,6-TRICHLOROPHENOL	27	U	14	U	17	U
2,4-DICHLOROPHENOL	26	U	14	U	16	U
2,4-DIMETHYLPHENOL	40	U	21	U	25	U
2,4-DINITROPHENOL	32	U	18	U	20	U
2,4-DINITROTOLUENE	15	U	7.9	U	9.3	U
2,6-DINITROTOLUENE	31	U	17	U	20	U
2-CHLORONAPHTHALENE	15	U	8.3	U	9.7	U
2-CHLOROPHENOL	32	U	17	U	20	U
2-METHYLNAPHTHALENE	140	J	6.8	U	8	U
2-METHYLPHENOL	46	U	25	U	29	U
2-NITROANILINE	27	U	14	U	17	U
2-NITROPHENOL	30	U	16	U	19	U
3,3'-DICHLOROBENZIDINE	120	U	64	U	74	U
ISOPHRONE	27	U	15	U	17	U
3-NITROANILINE	120	U	64	U	75	U
4,6-DINITRO-2-METHYLPHENOL	43	U	23	U	27	U
4-BROMOPHENYL PHENYL ETHER	19	U	10	U	12	U
4-CHLORO-3-METHYLPHENOL	22	U	12	U	14	U
4-CHLOROPHENYL PHENYL ETHER	18	U	9.8	U	12	U
4-METHYLPHENOL	34	U	18	U	21	U
4-NITROPHENOL	72	U	39	U	45	U
ACENAPHTHYLENE	22	U	12	U	14	U
ACENAPHTHENE	270	J	8.8	U	10	U
ANTHRACENE	550	J	9.5	U	11	U

Notes:

ug/kg - micrograms per kilogram

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**Summary of Total SVOCs in Soil
Caemmerer Yard West Investigation**

Table O.2-41

Location ID	SB-E-10		SB-E-10		SB-E-10	
Sample ID	SB-E-10-NYDOS-2-4		SB-E-10-NYDOS-12-14		SB-E-10-NYDOS-20-22	
Depth	2-4		12-14		20-22	
Dilution Factor	1.0		1.0		1.0	
Sample Date	9/17/2004		9/17/2004		9/12/2004	
Unit	ug/Kg		ug/Kg		ug/Kg	
BENZO(A)ANTHRACENE	870		6	U	7	U
BENZO(A)PYRENE	750		63	J	8	U
BENZO(B)FLUORANTHENE	940		54	J	25	U
BENZO(G,H,I)PERYLENE	290	J	60	J	20	U
BENZO(K)FLUORANTHENE	310	J	14	U	16	U
BENZYL BUTYL PHTHALATE	25	U	13	U	16	U
BIS(2-CHLOROETHOXY)METHANE	34	U	18	U	21	U
BIS(2-CHLOROETHYL-ETHER	36	U	20	U	23	U
BIS(2-ETHYLHEXYL)PHTHALATE	17	U	45	J	11	U
CARBAZOLE	170	J	8.8	U	10	U
DIBENZ(A,H)ANTHRACENE	22	U	12	U	14	U
DIBENZOFURAN	200	J	13	U	15	U
DIETHYL PHTHALATE	23	U	12	U	15	U
DIMETHYL PHTHALATE	18	U	9.5	U	11	U
DI-N-BUTYLPHTHALATE	9.8	U	5.3	U	6.2	U
DI-N-OCTYL PHTHALATE	18	U	9.5	U	11	U
FLUORANTHENE	1900		48	J	6.5	U
FLUORENE	290	J	11	U	13	U
HEXACHLORO-1,3-BUTADIENE	26	U	14	U	16	U
HEXACHLOROENZENE	14	U	7.4	U	8.7	U
HEXACHLOROCYCLOPENTADIENE	18	U	10	U	12	U
HEXACHLOROETHANE	35	U	19	U	22	U
INDENO(1,2,3-CD)PYRENE	240	J	43	J	11	U
M-DICHLOROENZENE	27	U	15	U	17	U
NAPHTHALENE	16	U	8.6	U	10	U
NITROENZENE	37	U	20	U	24	U
N-NITROSODI-N-PROPYLAMINE	32	U	18	U	20	U
N-NITROSODIPHENYLAMINE	19	U	10	U	12	U
P-CHLOROANILINE	270	U	150	U	170	U
PENTACHLOROPHENOL	23	U	12	U	14	U
PHENANTHRENE	1800		8.9	U	10	U
PHENOL	31	U	17	U	19	U
P-NITROANILINE	57	U	31	U	36	U
PYRENE	2000		55	J	8.3	U

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**Summary of Total SVOCs in Soil
Caemmerer Yard West Investigation**

Table O.2-41

Location ID	SB-U-2		SB-U-2		SB-U-2	
Sample ID	SB-U-2-DOS-2-3		SB-U-2-DOS-3-5		SB-U-2-DOS-12-15	
Depth	2-3		3-5		12-15	
Dilution Factor	2.0		1.0		1.0	
Sample Date	9/11/2004		9/11/2004		9/11/2004	
Unit	ug/Kg		ug/Kg		ug/Kg	
1,2,4-TRICHLOROBENZENE	21	U	11	U	15	U
CHRYSENE	1900		950		700	
1,2-DICHLOROBENZENE	40	U	21	U	29	U
1,4-DICHLOROBENZENE	31	U	16	U	23	U
2,2'-OXYBIS(1-CHLOROPROPANE)	40	U	21	U	29	U
2,4,5-TRICHLOROPHENOL	49	U	26	U	36	U
2,4,6-TRICHLOROPHENOL	27	U	14	U	20	U
2,4-DICHLOROPHENOL	26	U	14	U	19	U
2,4-DIMETHYLPHENOL	40	U	21	U	29	U
2,4-DINITROPHENOL	33	U	17	U	24	U
2,4-DINITROTOLUENE	15	U	7.8	U	11	U
2,6-DINITROTOLUENE	32	U	17	U	23	U
2-CHLORONAPHTHALENE	15	U	8.1	U	11	U
2-CHLOROPHENOL	32	U	17	U	23	U
2-METHYLNAPHTHALENE	110	J	1000		130	J
2-METHYLPHENOL	47	U	25	U	34	U
2-NITROANILINE	27	U	14	U	20	U
2-NITROPHENOL	30	U	16	U	22	U
3,3'-DICHLOROBENZIDINE	120	U	63	U	87	U
ISOPHRONE	28	U	14	U	20	U
3-NITROANILINE	120	U	63	U	87	U
4,6-DINITRO-2-METHYLPHENOL	43	U	23	U	31	U
4-BROMOPHENYL PHENYL ETHER	19	U	10	U	14	U
4-CHLORO-3-METHYLPHENOL	22	U	12	U	16	U
4-CHLOROPHENYL PHENYL ETHER	18	U	9.7	U	13	U
4-METHYLPHENOL	34	U	18	U	25	U
4-NITROPHENOL	72	U	38	U	53	U
ACENAPHTHYLENE	170	J	12	U	54	J
ACENAPTHENE	310	J	320	J	85	J
ANTHRACENE	690	J	520		270	J

Notes:

ug/kg - micrograms per kilogram

DUP - denotes field duplicate of preceding sample

U - Indicates the compound was analyzed for
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**Summary of Total SVOCs in Soil
Caemmerer Yard West Investigation**

Table O.2-41

Location ID	SB-U-2		SB-U-2		SB-U-2	
Sample ID	SB-U-2-DOS-2-3		SB-U-2-DOS-3-5		SB-U-2-DOS-12-15	
Depth	2-3		3-5		12-15	
Dilution Factor	2.0		1.0		1.0	
Sample Date	9/11/2004		9/11/2004		9/11/2004	
Unit	ug/Kg		ug/Kg		ug/Kg	
BENZO(A)ANTHRACENE	2100		990		790	
BENZO(A)PYRENE	1900		810		960	
BENZO(B)FLUORANTHENE	2200		930		880	
BENZO(G,H,I)PERYLENE	700	J	430		600	
BENZO(K)FLUORANTHENE	1100		440		450	J
BENZYL BUTYL PHTHALATE	25	U	13	U	18	U
BIS(2-CHLOROETHOXY)METHANE	34	U	18	U	25	U
BIS(2-CHLOROETHYL-ETHER	36	U	19	U	27	U
BIS(2-ETHYLHEXYL)PHTHALATE	190	J	100	J	190	J
CARBAZOLE	200	J	170	J	12	U
DIBENZ(A,H)ANTHRACENE	89	J	59	J	16	U
DIBENZOFURAN	200	J	220	J	18	U
DIETHYL PHTHALATE	23	U	12	U	17	U
DIMETHYL PHTHALATE	18	U	9.3	U	13	U
DI-N-BUTYLPHTHALATE	9.8	U	5.2	U	7.2	U
DI-N-OCTYL PHTHALATE	18	U	9.3	U	13	U
FLUORANTHENE	3800		2000		1000	
FLUORENE	340	J	460		99	J
HEXACHLORO-1,3-BUTADIENE	26	U	14	U	19	U
HEXACHLOROBENZENE	14	U	7.3	U	10	U
HEXACHLOROCYCLOPENTADIENE	19	U	9.8	U	14	U
HEXACHLOROETHANE	35	U	19	U	26	U
INDENO(1,2,3-CD)PYRENE	570	J	340	J	450	J
M-DICHLOROBENZENE	27	U	14	U	20	U
NAPHTHALENE	250	J	400		190	J
NITROBENZENE	38	U	20	U	27	U
N-NITROSODI-N-PROPYLAMINE	33	U	17	U	24	U
N-NITROSODIPHENYLAMINE	19	U	9.9	U	14	U
P-CHLOROANILINE	270	U	140	U	200	U
PENTACHLOROPHENOL	23	U	12	U	17	U
PHENANTHRENE	2300		1800		470	J
PHENOL	31	U	16	U	23	U
P-NITROANILINE	58	U	57	J	42	U
PYRENE	4200		2200		1300	

Notes:

ug/kg - micrograms per kilogram

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instrument for that specific analysis

**Summary of Total SVOCs in Soil
Caemmerer Yard West Investigation**

Table O.2-41

Location ID	E-9		E-9		E-9	
Sample ID	E-9-NYCTA-2-3		E-9-NYCTA-10-16		DUP-S-09-30-04-2	
Depth	2-3		10-16		10-16	
Dilution Factor	1.0		1.0		1.0	
Sample Date	9/28/2004		9/29/2004		9/29/2004	
Unit	ug/Kg		ug/Kg		ug/Kg	
1,2,4-TRICHLOROBENZENE	23	U	11	U	20	U
CHRYSENE	590	J	13	U	22	U
1,2-DICHLOROBENZENE	43	U	22	U	37	U
1,4-DICHLOROBENZENE	33	U	17	U	29	U
2,2'-OXYBIS(1-CHLOROPROPANE)	43	U	22	U	37	U
2,4,5-TRICHLOROPHENOL	52	U	26	U	45	U
2,4,6-TRICHLOROPHENOL	29	U	14	U	25	U
2,4-DICHLOROPHENOL	28	U	14	U	24	U
2,4-DIMETHYLPHENOL	43	U	22	U	37	U
2,4-DINITROPHENOL	35	U	18	U	30	U
2,4-DINITROTOLUENE	16	U	7.9	U	14	U
2,6-DINITROTOLUENE	34	U	17	U	29	U
2-CHLORONAPHTHALENE	16	U	8.3	U	14	U
2-CHLOROPHENOL	34	U	17	U	30	U
2-METHYLNAPHTHALENE	260	J	6.9	U	12	U
2-METHYLPHENOL	50	U	25	U	43	U
2-NITROANILINE	29	U	14	U	25	U
2-NITROPHENOL	32	U	16	U	28	U
3,3'-DICHLOROBENZIDINE	130	U	64	U	110	U
ISOPHRONE	29	U	15	U	26	U
3-NITROANILINE	130	U	64	U	110	U
4,6-DINITRO-2-METHYLPHENOL	46	U	23	U	40	U
4-BROMOPHENYL PHENYL ETHER	21	U	10	U	18	U
4-CHLORO-3-METHYLPHENOL	23	U	12	U	20	U
4-CHLOROPHENYL PHENYL ETHER	20	U	9.9	U	17	U
4-METHYLPHENOL	36	U	18	U	32	U
4-NITROPHENOL	77	U	39	U	67	U
ACENAPHTHYLENE	100	J	12	U	21	U
ACENAPTHENE	17	U	8.8	U	15	U
ANTHRACENE	150	J	9.5	U	16	U

Notes:

ug/kg - micrograms per kilogram

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but was not detected

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instrument for that specific analysis

**Summary of Total SVOCs in Soil
Caemmerer Yard West Investigation**

Table O.2-41

Location ID	E-9		E-9		E-9	
Sample ID	E-9-NYCTA-2-3		E-9-NYCTA-10-16		DUP-S-09-30-04-2	
Depth	2-3		10-16		10-16	
Dilution Factor	1.0		1.0		1.0	
Sample Date	9/28/2004		9/29/2004		9/29/2004	
Unit	ug/Kg		ug/Kg		ug/Kg	
BENZO(A)ANTHRACENE	590	J	6	U	10	U
BENZO(A)PYRENE	610	J	6.9	U	12	U
BENZO(B)FLUORANTHENE	760	J	21	U	37	U
BENZO(G,H,I)PERYLENE	240	J	17	U	30	U
BENZO(K)FLUORANTHENE	570	J	14	U	23	U
BENZYL BUTYL PHTHALATE	26	U	13	U	23	U
BIS(2-CHLOROETHOXY)METHANE	36	U	18	U	31	U
BIS(2-CHLOROETHYL-ETHER	39	U	20	U	34	U
BIS(2-ETHYLHEXYL)PHTHALATE	140	J	85	J	16	U
CARBAZOLE	17	U	8.8	U	15	U
DIBENZ(A,H)ANTHRACENE	23	U	12	U	20	U
DIBENZOFURAN	85	J	13	U	23	U
DIETHYL PHTHALATE	25	U	13	U	22	U
DIMETHYL PHTHALATE	19	U	9.5	U	16	U
DI-N-BUTYLPHTHALATE	10	U	5.3	U	9.1	U
DI-N-OCTYL PHTHALATE	19	U	9.5	U	16	U
FLUORANTHENE	1000		5.5	U	9.5	U
FLUORENE	22	U	11	U	20	U
HEXACHLORO-1,3-BUTADIENE	28	U	14	U	24	U
HEXACHLOROBENZENE	15	U	7.5	U	13	U
HEXACHLOROCYCLOPENTADIENE	20	U	10	U	17	U
HEXACHLOROETHANE	38	U	19	U	33	U
INDENO(1,2,3-CD)PYRENE	130	J	9.6	U	17	U
M-DICHLOROBENZENE	29	U	15	U	25	U
NAPHTHALENE	180	J	8.7	U	15	U
NITROBENZENE	40	U	20	U	35	U
N-NITROSODI-N-PROPYLAMINE	35	U	18	U	30	U
N-NITROSODIPHENYLAMINE	20	U	10	U	17	U
P-CHLOROANILINE	290	U	150	U	250	U
PENTACHLOROPHENOL	25	U	12	U	21	U
PHENANTHRENE	600	J	8.9	U	15	U
PHENOL	33	U	17	U	29	U
P-NITROANILINE	62	U	31	U	54	U
PYRENE	1100		7.1	U	12	U

Notes:

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instrument for that specific analysis

**Summary of Total SVOCs in Soil
Caemmerer Yard West Investigation**

Table O.2-41

Location ID	E-22		E-22		E-22	
Sample ID	E-22-NYCTA-2-2.5		E-22-NYCTA-4.5-5		E-22-NYCTA-18-20	
Depth	2-2.5		4.5-5		18-20	
Dilution Factor	5.0		10.0		1.0	
Sample Date	1/2/1900		1/2/1900		1/2/1900	
Unit	ug/Kg		ug/Kg		ug/Kg	
1,2,4-TRICHLOROBENZENE	100	U	110	U	11	U
CHRYSENE	120	U	410	J	150	J
1,2-DICHLOROBENZENE	200	U	210	U	22	U
1,4-DICHLOROBENZENE	150	U	160	U	17	U
2,2'-OXYBIS(1-CHLOROPROPANE)	200	U	210	U	22	U
2,4,5-TRICHLOROPHENOL	240	U	260	U	26	U
2,4,6-TRICHLOROPHENOL	130	U	140	U	14	U
2,4-DICHLOROPHENOL	130	U	140	U	14	U
2,4-DIMETHYLPHENOL	200	U	210	U	22	U
2,4-DINITROPHENOL	160	U	170	U	18	U
2,4-DINITROTOLUENE	72	U	77	U	8	U
2,6-DINITROTOLUENE	150	U	170	U	17	U
2-CHLORONAPHTHALENE	76	U	81	U	8.3	U
2-CHLOROPHENOL	160	U	170	U	17	U
2-METHYLNAPHTHALENE	62	U	67	U	57	J
2-METHYLPHENOL	230	U	240	U	25	U
2-NITROANILINE	130	U	140	U	14	U
2-NITROPHENOL	150	U	160	U	16	U
3,3'-DICHLOROBENZIDINE	580	U	620	U	64	U
ISOPHRONE	130	U	140	U	15	U
3-NITROANILINE	590	U	630	U	64	U
4,6-DINITRO-2-METHYLPHENOL	210	U	220	U	23	U
4-BROMOPHENYL PHENYL ETHER	95	U	100	U	11	U
4-CHLORO-3-METHYLPHENOL	110	U	110	U	12	U
4-CHLOROPHENYL PHENYL ETHER	90	U	96	U	9.9	U
4-METHYLPHENOL	170	U	180	U	18	U
4-NITROPHENOL	350	U	380	U	39	U
ACENAPHTHYLENE	110	U	120	U	12	U
ACENAPTHENE	80	U	85	U	86	J
ANTHRACENE	87	U	93	U	84	J

Notes:

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**Summary of Total SVOCs in Soil
Caemmerer Yard West Investigation**

Table O.2-41

Location ID	E-22		E-22		E-22	
Sample ID	E-22-NYCTA-2-2.5		E-22-NYCTA-4.5-5		E-22-NYCTA-18-20	
Depth	2-2.5		4.5-5		18-20	
Dilution Factor	5.0		10.0		1.0	
Sample Date	1/2/1900		1/2/1900		1/2/1900	
Unit	ug/Kg		ug/Kg		ug/Kg	
BENZO(A)ANTHRACENE	55	U	440	J	120	J
BENZO(A)PYRENE	62	U	67	U	96	J
BENZO(B)FLUORANTHENE	190	U	450	J	94	J
BENZO(G,H,I)PERYLENE	160	U	170	U	54	J
BENZO(K)FLUORANTHENE	120	U	130	U	73	J
BENZYL BUTYL PHTHALATE	120	U	130	U	13	U
BIS(2-CHLOROETHOXY)METHANE	170	U	180	U	18	U
BIS(2-CHLOROETHYL-ETHER	180	U	190	U	20	U
BIS(2-ETHYLHEXYL)PHTHALATE	83	U	89	U	46	J
CARBAZOLE	80	U	85	U	85	J
DIBENZ(A,H)ANTHRACENE	110	U	110	U	12	U
DIBENZOFURAN	120	U	130	U	58	J
DIETHYL PHTHALATE	110	U	120	U	13	U
DIMETHYL PHTHALATE	87	U	93	U	9.5	U
DI-N-BUTYLPHTHALATE	48	U	52	U	5.3	U
DI-N-OCTYL PHTHALATE	87	U	93	U	9.5	U
FLUORANTHENE	50	U	550	J	360	J
FLUORENE	100	U	110	U	93	J
HEXACHLORO-1,3-BUTADIENE	130	U	140	U	14	U
HEXACHLOROBENZENE	68	U	73	U	7.5	U
HEXACHLOROCYCLOPENTADIENE	91	U	97	U	10	U
HEXACHLOROETHANE	170	U	190	U	19	U
INDENO(1,2,3-CD)PYRENE	88	U	94	U	54	J
M-DICHLOROBENZENE	130	U	140	U	15	U
NAPHTHALENE	79	U	84	U	180	J
NITROBENZENE	180	U	200	U	20	U
N-NITROSODI-N-PROPYLAMINE	160	U	170	U	18	U
N-NITROSODIPHENYLAMINE	92	U	98	U	10	U
P-CHLOROANILINE	1300	U	1400	U	150	U
PENTACHLOROPHENOL	110	U	120	U	12	U
PHENANTHRENE	81	U	87	U	480	
PHENOL	150	U	160	U	17	U
P-NITROANILINE	280	U	300	U	31	U
PYRENE	400	J	710	J	320	J

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**Summary of Total SVOCs in Soil
Caemmerer Yard West Investigation**

Table O.2-41

Location ID	E-22		E-10		E-10	
Sample ID	E-22-NYCTA-35-37		E-10-SW-2-3		E-10-SW-2-3DL	
Depth	35-37		2-3		2-3	
Dilution Factor	1.0		1.0		1.0	
Sample Date	9/25/2004		9/28/2004		9/28/2004	
Unit	ug/Kg		ug/Kg		ug/Kg	
1,2,4-TRICHLOROBENZENE	12	U	21	U	110	UD
CHRYSENE	13	U	3500		3800	D
1,2-DICHLOROBENZENE	23	U	40	U	200	UD
1,4-DICHLOROBENZENE	18	U	31	U	150	UD
2,2'-OXYBIS(1-CHLOROPROPANE)	23	U	40	U	200	UD
2,4,5-TRICHLOROPHENOL	28	U	49	U	240	UD
2,4,6-TRICHLOROPHENOL	15	U	27	U	130	UD
2,4-DICHLOROPHENOL	15	U	26	U	130	UD
2,4-DIMETHYLPHENOL	23	U	40	U	200	UD
2,4-DINITROPHENOL	19	U	32	U	160	UD
2,4-DINITROTOLUENE	8.5	U	15	U	73	UD
2,6-DINITROTOLUENE	18	U	31	U	160	UD
2-CHLORONAPHTHALENE	8.9	U	15	U	76	UD
2-CHLOROPHENOL	18	U	32	U	160	UD
2-METHYLNAPHTHALENE	7.3	U	110	J	63	UD
2-METHYLPHENOL	27	U	46	U	230	UD
2-NITROANILINE	15	U	27	U	130	UD
2-NITROPHENOL	17	U	29	U	150	UD
3,3'-DICHLOROBENZIDINE	68	U	120	U	590	UD
ISOPHRONE	16	U	27	U	140	UD
3-NITROANILINE	69	U	120	U	590	UD
4,6-DINITRO-2-METHYLPHENOL	25	U	43	U	210	UD
4-BROMOPHENYL PHENYL ETHER	11	U	19	U	96	UD
4-CHLORO-3-METHYLPHENOL	13	U	22	U	110	UD
4-CHLOROPHENYL PHENYL ETHER	11	U	18	U	91	UD
4-METHYLPHENOL	20	U	34	U	170	UD
4-NITROPHENOL	41	U	72	U	360	UD
ACENAPHTHYLENE	13	U	98	J	110	UD
ACENAPHTHENE	9.4	U	260	J	81	UD
ANTHRACENE	10	U	820		940	JD

Notes:

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**Summary of Total SVOCs in Soil
Caemmerer Yard West Investigation**

Table O.2-41

Location ID	E-22		E-10		E-10	
Sample ID	E-22-NYCTA-35-37		E-10-SW-2-3		E-10-SW-2-3DL	
Depth	35-37		2-3		2-3	
Dilution Factor	1.0		1.0		1.0	
Sample Date	9/25/2004		9/28/2004		9/28/2004	
Unit	ug/Kg		ug/Kg		ug/Kg	
BENZO(A)ANTHRACENE	6.4	U	3400		4200	D
BENZO(A)PYRENE	7.3	U	4100		4900	D
BENZO(B)FLUORANTHENE	23	U	4300		6100	D
BENZO(G,H,I)PERYLENE	18	U	1600		2300	JD
BENZO(K)FLUORANTHENE	15	U	3000		2900	JD
BENZYL BUTYL PHTHALATE	14	U	25	U	120	UD
BIS(2-CHLOROETHOXY)METHANE	19	U	33	U	170	UD
BIS(2-CHLOROETHYL-ETHER	21	U	36	U	180	UD
BIS(2-ETHYLHEXYL)PHTHALATE	9.8	U	190	J	84	UD
CARBAZOLE	9.4	U	270	J	81	UD
DIBENZ(A,H)ANTHRACENE	12	U	180	J	110	UD
DIBENZOFURAN	14	U	210	J	120	UD
DIETHYL PHTHALATE	13	U	23	U	120	UD
DIMETHYL PHTHALATE	10	U	18	U	88	UD
DI-N-BUTYLPHTHALATE	5.6	U	9.8	U	49	UD
DI-N-OCTYL PHTHALATE	10	U	18	U	88	UD
FLUORANTHENE	5.9	U	5600		7100	D
FLUORENE	12	U	260	J	100	UD
HEXACHLORO-1,3-BUTADIENE	15	U	26	U	130	UD
HEXACHLOROENZENE	8	U	14	U	69	UD
HEXACHLOROCYCLOPENTADIENE	11	U	18	U	92	UD
HEXACHLOROETHANE	20	U	35	U	180	UD
INDENO(1,2,3-CD)PYRENE	10	U	850		1000	JD
M-DICHLOROENZENE	16	U	27	U	140	UD
NAPHTHALENE	9.2	U	250	J	80	UD
NITROENZENE	22	U	37	U	190	UD
N-NITROSODI-N-PROPYLAMINE	19	U	32	U	160	UD
N-NITROSODIPHENYLAMINE	11	U	19	U	93	UD
P-CHLOROANILINE	160	U	270	U	1400	UD
PENTACHLOROPHENOL	13	U	23	U	110	UD
PHENANTHRENE	9.5	U	3100		3500	JD
PHENOL	18	U	31	U	150	UD
P-NITROANILINE	33	U	57	U	290	UD
PYRENE	7.6	U	6100	E	9300	D

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**Summary of Total SVOCs in Soil
Caemmerer Yard West Investigation**

Table O.2-41

Location ID	E-10A		E-10A		E-15	
Sample ID	E-10A-SW-2-4		E-10A-SW-5-9		E-15-SW-0-2	
Depth	2-4		5-9		0-2	
Dilution Factor	1.0		1.0		1.0	
Sample Date	9/30/2004		9/30/2004		10/1/2004	
Unit	ug/Kg		ug/Kg		ug/Kg	
1,2,4-TRICHLOROBENZENE	9.7	U	10	U	21	U
CHRYSENE	11	U	150	J	460	J
1,2-DICHLOROBENZENE	18	U	19	U	39	U
1,4-DICHLOROBENZENE	14	U	15	U	30	U
2,2'-OXYBIS(1-CHLOROPROPANE)	18	U	19	U	39	U
2,4,5-TRICHLOROPHENOL	22	U	23	U	48	U
2,4,6-TRICHLOROPHENOL	12	U	13	U	26	U
2,4-DICHLOROPHENOL	12	U	12	U	25	U
2,4-DIMETHYLPHENOL	18	U	19	U	39	U
2,4-DINITROPHENOL	15	U	15	U	32	U
2,4-DINITROTOLUENE	6.7	U	6.9	U	14	U
2,6-DINITROTOLUENE	14	U	15	U	31	U
2-CHLORONAPHTHALENE	7	U	7.3	U	15	U
2-CHLOROPHENOL	15	U	15	U	31	U
2-METHYLNAPHTHALENE	5.8	U	6	U	13	U
2-METHYLPHENOL	21	U	22	U	46	U
2-NITROANILINE	12	U	13	U	26	U
2-NITROPHENOL	14	U	14	U	29	U
3,3'-DICHLOROBENZIDINE	54	U	56	U	120	U
ISOPHRONE	13	U	13	U	27	U
3-NITROANILINE	55	U	56	U	120	U
4,6-DINITRO-2-METHYLPHENOL	20	U	20	U	42	U
4-BROMOPHENYL PHENYL ETHER	8.9	U	9.1	U	19	U
4-CHLORO-3-METHYLPHENOL	10	U	10	U	21	U
4-CHLOROPHENYL PHENYL ETHER	8.4	U	8.6	U	18	U
4-METHYLPHENOL	16	U	16	U	33	U
4-NITROPHENOL	33	U	34	U	71	U
ACENAPHTHYLENE	10	U	10	U	22	U
ACENAPHTHENE	7.5	U	7.7	U	16	U
ANTHRACENE	8.1	U	52	J	120	J

Notes:

ug/kg - micrograms per kilogram

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but was not detected

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D - Indicates the compound identified in an
analysis at a secondary dilution factor

E - Indicates the analyte's concentration
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instrument for that specific analysis

**Summary of Total SVOCs in Soil
Caemmerer Yard West Investigation**

Table O.2-41

Location ID	E-10A		E-10A		E-15	
Sample ID	E-10A-SW-2-4		E-10A-SW-5-9		E-15-SW-0-2	
Depth	2-4		5-9		0-2	
Dilution Factor	1.0		1.0		1.0	
Sample Date	9/30/2004		9/30/2004		10/1/2004	
Unit	ug/Kg		ug/Kg		ug/Kg	
BENZO(A)ANTHRACENE	5.1	U	140	J	540	J
BENZO(A)PYRENE	5.8	U	120	J	450	J
BENZO(B)FLUORANTHENE	18	U	110	J	590	J
BENZO(G,H,I)PERYLENE	15	U	88	J	150	J
BENZO(K)FLUORANTHENE	12	U	89	J	220	J
BENZYL BUTYL PHTHALATE	11	U	12	U	24	U
BIS(2-CHLOROETHOXY)METHANE	15	U	16	U	33	U
BIS(2-CHLOROETHYL-ETHER	17	U	17	U	36	U
BIS(2-ETHYLHEXYL)PHTHALATE	7.8	U	66	J	17	U
CARBAZOLE	7.5	U	7.7	U	16	U
DIBENZ(A,H)ANTHRACENE	9.9	U	10	U	21	U
DIBENZOFURAN	11	U	11	U	24	U
DIETHYL PHTHALATE	11	U	11	U	23	U
DIMETHYL PHTHALATE	8.1	U	8.3	U	17	U
DI-N-BUTYLPHTHALATE	4.5	U	4.6	U	9.7	U
DI-N-OCTYL PHTHALATE	8.1	U	8.3	U	17	U
FLUORANTHENE	4.7	U	320	J	850	
FLUORENE	9.6	U	9.9	U	21	U
HEXACHLORO-1,3-BUTADIENE	12	U	12	U	25	U
HEXACHLOROBENZENE	6.3	U	6.5	U	14	U
HEXACHLOROCYCLOPENTADIENE	8.5	U	8.7	U	18	U
HEXACHLOROETHANE	16	U	17	U	35	U
INDENO(1,2,3-CD)PYRENE	8.2	U	83	J	83	J
M-DICHLOROBENZENE	12	U	13	U	27	U
NAPHTHALENE	7.4	U	59	J	16	U
NITROBENZENE	17	U	18	U	37	U
N-NITROSODI-N-PROPYLAMINE	15	U	15	U	32	U
N-NITROSODIPHENYLAMINE	8.6	U	8.8	U	18	U
P-CHLOROANILINE	130	U	130	U	270	U
PENTACHLOROPHENOL	11	U	11	U	23	U
PHENANTHRENE	7.6	U	260	J	670	J
PHENOL	14	U	15	U	30	U
P-NITROANILINE	26	U	27	U	57	U
PYRENE	6	U	300	J	1000	

Notes:

ug/kg - micrograms per kilogram

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instrument for that specific analysis

**Summary of Total SVOCs in Soil
Caemmerer Yard West Investigation**

Table O.2-41

Location ID	E-15		E-15		E-15	
Sample ID	E-15-SW-5-6		E-15-NYCTA-12-14		E-15-NYCTA-14-17	
Depth	5-6		12-14		14-17	
Dilution Factor	1.0		1.0		1.0	
Sample Date	10/1/2004		10/4/2004		10/4/2004	
Unit	ug/Kg		ug/Kg		ug/Kg	
1,2,4-TRICHLOROBENZENE	11	U	11	U	12	U
CHRYSENE	270	J	67	J	13	U
1,2-DICHLOROBENZENE	20	U	20	U	22	U
1,4-DICHLOROBENZENE	15	U	15	U	17	U
2,2'-OXYBIS(1-CHLOROPROPANE)	20	U	20	U	22	U
2,4,5-TRICHLOROPHENOL	25	U	24	U	27	U
2,4,6-TRICHLOROPHENOL	13	U	13	U	15	U
2,4-DICHLOROPHENOL	13	U	13	U	14	U
2,4-DIMETHYLPHENOL	20	U	20	U	22	U
2,4-DINITROPHENOL	16	U	16	U	18	U
2,4-DINITROTOLUENE	7.4	U	7.4	U	8.1	U
2,6-DINITROTOLUENE	16	U	16	U	17	U
2-CHLORONAPHTHALENE	7.7	U	7.7	U	8.4	U
2-CHLOROPHENOL	16	U	16	U	17	U
2-METHYLNAPHTHALENE	150	J	6.4	U	7	U
2-METHYLPHENOL	23	U	23	U	26	U
2-NITROANILINE	13	U	13	U	15	U
2-NITROPHENOL	15	U	15	U	16	U
3,3'-DICHLOROBENZIDINE	60	U	59	U	65	U
ISOPHRONE	14	U	14	U	15	U
3-NITROANILINE	60	U	60	U	65	U
4,6-DINITRO-2-METHYLPHENOL	22	U	21	U	23	U
4-BROMOPHENYL PHENYL ETHER	9.8	U	9.7	U	11	U
4-CHLORO-3-METHYLPHENOL	11	U	11	U	12	U
4-CHLOROPHENYL PHENYL ETHER	9.2	U	9.2	U	10	U
4-METHYLPHENOL	17	U	17	U	19	U
4-NITROPHENOL	36	U	36	U	39	U
ACENAPHTHYLENE	11	U	11	U	12	U
ACENAPTHENE	8.2	U	8.2	U	8.9	U
ANTHRACENE	68	J	8.8	U	9.6	U

Notes:

ug/kg - micrograms per kilogram

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D - Indicates the compound identified in an
analysis at a secondary dilution factor

E - Indicates the analyte's concentration
exceeds the calibration range of the
instrument for that specific analysis

**Summary of Total SVOCs in Soil
Caemmerer Yard West Investigation**

Table O.2-41

Location ID	E-15		E-15		E-15	
Sample ID	E-15-SW-5-6		E-15-NYCTA-12-14		E-15-NYCTA-14-17	
Depth	5-6		12-14		14-17	
Dilution Factor	1.0		1.0		1.0	
Sample Date	10/1/2004		10/4/2004		10/4/2004	
Unit	ug/Kg		ug/Kg		ug/Kg	
BENZO(A)ANTHRACENE	300	J	79	J	6.1	U
BENZO(A)PYRENE	280	J	65	J	7	U
BENZO(B)FLUORANTHENE	350	J	67	J	21	U
BENZO(G,H,I)PERYLENE	150	J	16	U	18	U
BENZO(K)FLUORANTHENE	150	J	13	U	14	U
BENZYL BUTYL PHTHALATE	12	U	12	U	14	U
BIS(2-CHLOROETHOXY)METHANE	17	U	17	U	18	U
BIS(2-CHLOROETHYL-ETHER	18	U	18	U	20	U
BIS(2-ETHYLHEXYL)PHTHALATE	8.5	U	91	J	100	J
CARBAZOLE	8.2	U	8.2	U	8.9	U
DIBENZ(A,H)ANTHRACENE	11	U	11	U	12	U
DIBENZOFURAN	38	J	12	U	13	U
DIETHYL PHTHALATE	12	U	12	U	13	U
DIMETHYL PHTHALATE	8.9	U	8.8	U	9.6	U
DI-N-BUTYLPHTHALATE	4.9	U	4.9	U	5.4	U
DI-N-OCTYL PHTHALATE	8.9	U	8.8	U	9.6	U
FLUORANTHENE	470	U	170	J	5.6	U
FLUORENE	11	U	11	U	11	U
HEXACHLORO-1,3-BUTADIENE	13	U	13	U	14	U
HEXACHLOROENZENE	7	U	6.9	U	7.6	U
HEXACHLOROCYCLOPENTADIENE	9.3	U	9.3	U	10	U
HEXACHLOROETHANE	18	U	18	U	19	U
INDENO(1,2,3-CD)PYRENE	110	J	8.9	U	9.8	U
M-DICHLOROENZENE	14	U	14	U	15	U
NAPHTHALENE	130	J	8	U	8.8	U
NITROENZENE	19	U	19	U	21	U
N-NITROSODI-N-PROPYLAMINE	16	U	16	U	18	U
N-NITROSODIPHENYLAMINE	9.4	U	9.4	U	10	U
P-CHLOROANILINE	140	U	140	U	150	U
PENTACHLOROPHENOL	12	U	12	U	13	U
PHENANTHRENE	300	J	130	J	9	U
PHENOL	15	U	15	U	17	U
P-NITROANILINE	29	U	29	U	32	U
PYRENE	510	U	140	J	7.2	U

Notes:

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exceeds the calibration range of the
instrument for that specific analysis

**Summary of Total SVOCs in Soil
Caemmerer Yard West Investigation**

Table O.2-41

Location ID	E-40		E-40		E-40	
Sample ID	E-40-SW-2-4		DUP-S-10-05-04		E-40-SW-6-8	
Depth	2-4		2-4		6-8	
Dilution Factor	1.0		1.0		1.0	
Sample Date	10/5/2004		10/5/2004		10/5/2004	
Unit	ug/Kg		ug/Kg		ug/Kg	
1,2,4-TRICHLOROBENZENE	10	U	10	U	14	U
CHRYSENE	130	J	120	J	740	
1,2-DICHLOROBENZENE	19	U	19	U	26	U
1,4-DICHLOROBENZENE	15	U	14	U	20	U
2,2'-OXYBIS(1-CHLOROPROPANE)	19	U	19	U	26	U
2,4,5-TRICHLOROPHENOL	23	U	23	U	32	U
2,4,6-TRICHLOROPHENOL	13	U	13	U	17	U
2,4-DICHLOROPHENOL	12	U	12	U	17	U
2,4-DIMETHYLPHENOL	19	U	19	U	26	U
2,4-DINITROPHENOL	16	U	15	U	21	U
2,4-DINITROTOLUENE	7	U	6.9	U	9.6	U
2,6-DINITROTOLUENE	15	U	15	U	21	U
2-CHLORONAPHTHALENE	7.4	U	7.2	U	10	U
2-CHLOROPHENOL	15	U	15	U	21	U
2-METHYLNAPHTHALENE	6.1	U	6	U	8.3	U
2-METHYLPHENOL	22	U	22	U	30	U
2-NITROANILINE	13	U	13	U	17	U
2-NITROPHENOL	14	U	14	U	19	U
3,3'-DICHLOROBENZIDINE	57	U	56	U	77	U
ISOPHRONE	13	U	13	U	18	U
3-NITROANILINE	57	U	56	U	78	U
4,6-DINITRO-2-METHYLPHENOL	21	U	20	U	28	U
4-BROMOPHENYL PHENYL ETHER	9.3	U	9.1	U	13	U
4-CHLORO-3-METHYLPHENOL	10	U	10	U	14	U
4-CHLOROPHENYL PHENYL ETHER	8.8	U	8.6	U	12	U
4-METHYLPHENOL	16	U	16	U	22	U
4-NITROPHENOL	35	U	34	U	47	U
ACENAPHTHYLENE	11	U	10	U	63	J
ACENAPTHENE	7.8	U	7.7	U	11	U
ANTHRACENE	160	J	44	J	240	J

Notes:

ug/kg - micrograms per kilogram

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exceeds the calibration range of the
instrument for that specific analysis

**Summary of Total SVOCs in Soil
Caemmerer Yard West Investigation**

Table O.2-41

Location ID	E-40		E-40		E-40	
Sample ID	E-40-SW-2-4		DUP-S-10-05-04		E-40-SW-6-8	
Depth	2-4		2-4		6-8	
Dilution Factor	1.0		1.0		1.0	
Sample Date	10/5/2004		10/5/2004		10/5/2004	
Unit	ug/Kg		ug/Kg		ug/Kg	
BENZO(A)ANTHRACENE	170	J	140	J	1100	
BENZO(A)PYRENE	130	J	140	J	880	
BENZO(B)FLUORANTHENE	180	J	190	J	1000	
BENZO(G,H,I)PERYLENE	46	J	53	J	240	J
BENZO(K)FLUORANTHENE	84	J	63	J	600	
BENZYL BUTYL PHTHALATE	12	U	12	U	16	U
BIS(2-CHLOROETHOXY)METHANE	16	U	16	U	22	U
BIS(2-CHLOROETHYL-ETHER	17	U	17	U	24	U
BIS(2-ETHYLHEXYL)PHTHALATE	190	J	59	J	110	J
CARBAZOLE	7.8	U	7.7	U	11	U
DIBENZ(A,H)ANTHRACENE	10	U	10	U	14	U
DIBENZOFURAN	12	U	11	U	16	U
DIETHYL PHTHALATE	11	U	11	U	15	U
DIMETHYL PHTHALATE	8.4	U	8.3	U	11	U
DI-N-BUTYLPHTHALATE	4.7	U	4.6	U	6.4	U
DI-N-OCTYL PHTHALATE	8.4	U	8.3	U	11	U
FLUORANTHENE	250	J	270	J	1600	
FLUORENE	10	U	9.9	U	49	J
HEXACHLORO-1,3-BUTADIENE	12	U	12	U	17	U
HEXACHLOROBENZENE	6.6	U	6.5	U	9	U
HEXACHLOROCYCLOPENTADIENE	8.9	U	8.7	U	12	U
HEXACHLOROETHANE	17	U	17	U	23	U
INDENO(1,2,3-CD)PYRENE	8.5	U	8.4	U	120	J
M-DICHLOROBENZENE	13	U	13	U	18	U
NAPHTHALENE	7.7	U	7.6	U	72	J
NITROBENZENE	18	U	18	U	24	U
N-NITROSODI-N-PROPYLAMINE	16	U	15	U	21	U
N-NITROSODIPHENYLAMINE	9	U	8.8	U	12	U
P-CHLOROANILINE	130	U	130	U	180	U
PENTACHLOROPHENOL	11	U	11	U	15	U
PHENANTHRENE	170	J	170	J	720	
PHENOL	15	U	14	U	20	U
P-NITROANILINE	28	U	27	U	38	U
PYRENE	280	J	280	J	1700	

Notes:

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instrument for that specific analysis

**Summary of Total SVOCs in Soil
Caemmerer Yard West Investigation**

Table O.2-41

Location ID	E-40		E-40		E-47	
Sample ID	E-40-SW-14-16		E-40-SW-20-22		E-47-SW12-1-2	
Depth	14-16		20-22		1-2	
Dilution Factor	1.0		1.0		1.0	
Sample Date	10/5/2004		10/5/2004		10/4/2004	
Unit	ug/Kg		ug/Kg		ug/Kg	
1,2,4-TRICHLOROENZENE	12	U	12	U	540	U
CHRYSENE	300	J	520		63000	
1,2-DICHLOROENZENE	22	U	22	U	1000	U
1,4-DICHLOROENZENE	17	U	17	U	780	U
2,2'-OXYBIS(1-CHLOROPROPANE)	22	U	22	U	1000	U
2,4,5-TRICHLOROPHENOL	27	U	27	U	1200	U
2,4,6-TRICHLOROPHENOL	15	U	15	U	680	U
2,4-DICHLOROPHENOL	14	U	14	U	650	U
2,4-DIMETHYLPHENOL	22	U	22	U	1000	U
2,4-DINITROPHENOL	18	U	18	U	820	U
2,4-DINITROTOLUENE	8.1	U	8.1	U	370	U
2,6-DINITROTOLUENE	17	U	17	U	790	U
2-CHLORONAPHTHALENE	8.4	U	8.4	U	390	U
2-CHLOROPHENOL	17	U	17	U	810	U
2-METHYLNAPHTHALENE	7	U	100	J	2000	J
2-METHYLPHENOL	25	U	26	U	1200	U
2-NITROANILINE	15	U	15	U	680	U
2-NITROPHENOL	16	U	16	U	750	U
3,3'-DICHLOROBENZIDINE	65	U	65	U	3000	U
ISOPHRONE	15	U	15	U	690	U
3-NITROANILINE	65	U	65	U	3000	U
4,6-DINITRO-2-METHYLPHENOL	23	U	23	U	1100	U
4-BROMOPHENYL PHENYL ETHER	11	U	11	U	490	U
4-CHLORO-3-METHYLPHENOL	12	U	12	U	550	U
4-CHLOROPHENYL PHENYL ETHER	10	U	10	U	460	U
4-METHYLPHENOL	19	U	19	U	860	U
4-NITROPHENOL	39	U	39	U	1800	U
ACENAPHTHYLENE	12	U	12	U	2600	J
ACENAPTHENE	8.9	U	320	J	13000	J
ANTHRACENE	9.6	U	500		30000	

Notes:

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- B - Indicates the analyte was found in the blank
- D - Indicates the compound identified in an analysis at a secondary dilution factor
- E - Indicates the analyte's concentration exceeds the calibration range of the instrument for that specific analysis

**Summary of Total SVOCs in Soil
Caemmerer Yard West Investigation**

Table O.2-41

Location ID	E-40		E-40		E-47	
Sample ID	E-40-SW-14-16		E-40-SW-20-22		E-47-SW12-1-2	
Depth	14-16		20-22		1-2	
Dilution Factor	1.0		1.0		1.0	
Sample Date	10/5/2004		10/5/2004		10/4/2004	
Unit	ug/Kg		ug/Kg		ug/Kg	
BENZO(A)ANTHRACENE	180	J	640		63000	
BENZO(A)PYRENE	210	J	450		57000	
BENZO(B)FLUORANTHENE	300	J	470		84000	
BENZO(G,H,I)PERYLENE	140	J	220	J	13000	J
BENZO(K)FLUORANTHENE	170	J	290	J	26000	
BENZYL BUTYL PHTHALATE	14	U	14	U	630	U
BIS(2-CHLOROETHOXY)METHANE	18	U	18	U	850	U
BIS(2-CHLOROETHYL-ETHER	20	U	20	U	920	U
BIS(2-ETHYLHEXYL)PHTHALATE	9.3	U	9.3	U	430	U
CARBAZOLE	62	J	250	J	13000	J
DIBENZ(A,H)ANTHRACENE	12	U	12	U	550	U
DIBENZOFURAN	45	J	190	J	8300	J
DIETHYL PHTHALATE	13	U	13	U	590	U
DIMETHYL PHTHALATE	9.6	U	9.7	U	450	U
DI-N-BUTYLPHTHALATE	5.4	U	5.4	U	250	U
DI-N-OCTYL PHTHALATE	9.6	U	9.7	U	450	U
FLUORANTHENE	710		1400		98000	
FLUORENE	11	U	390	J	15000	J
HEXACHLORO-1,3-BUTADIENE	14	U	14	U	650	U
HEXACHLOROENZENE	7.6	U	7.6	U	350	U
HEXACHLOROCYCLOPENTADIENE	10	U	10	U	470	U
HEXACHLOROETHANE	19	U	19	U	890	U
INDENO(1,2,3-CD)PYRENE	110	J	160	J	6100	J
M-DICHLOROENZENE	15	U	15	U	690	U
NAPHTHALENE	59	J	170	J	4300	J
NITROENZENE	20	U	21	U	950	U
N-NITROSODI-N-PROPYLAMINE	18	U	18	U	820	U
N-NITROSODIPHENYLAMINE	10	U	10	U	470	U
P-CHLOROANILINE	150	U	150	U	6900	U
PENTACHLOROPHENOL	13	U	13	U	580	U
PHENANTHRENE	610		1900		85000	
PHENOL	17	U	17	U	780	U
P-NITROANILINE	32	U	32	U	1500	U
PYRENE	620		1300		150000	E

Notes:

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instrument for that specific analysis

**Summary of Total SVOCs in Soil
Caemmerer Yard West Investigation**

Table O.2-41

Location ID	E-47		E-47		E-47	
Sample ID	E-47-SW12-1-2DL		DUP-S-10-04-04		DUP-S-10-04-04DL	
Depth	1-2		1-2		1-2	
Dilution Factor	20.0		20.0		100.0	
Sample Date	10/4/2004		10/4/2004		10/4/2004	
Unit	ug/Kg		ug/Kg		ug/Kg	
1,2,4-TRICHLOROBENZENE	540	UD	210	U	1000	UD
CHRYSENE	56000	D	33000		55000	D
1,2-DICHLOROBENZENE	1000	UD	390	U	2000	UD
1,4-DICHLOROBENZENE	780	UD	300	U	1500	UD
2,2'-OXYBIS(1-CHLOROPROPANE)	1000	UD	390	U	2000	UD
2,4,5-TRICHLOROPHENOL	1200	UD	480	U	2400	UD
2,4,6-TRICHLOROPHENOL	680	UD	260	U	1300	UD
2,4-DICHLOROPHENOL	650	UD	250	U	1300	UD
2,4-DIMETHYLPHENOL	1000	UD	390	U	2000	UD
2,4-DINITROPHENOL	820	UD	320	U	1600	UD
2,4-DINITROTOLUENE	370	UD	140	U	720	UD
2,6-DINITROTOLUENE	790	UD	310	U	1500	UD
2-CHLORONAPHTHALENE	390	UD	150	U	760	UD
2-CHLOROPHENOL	810	UD	310	U	1600	UD
2-METHYLNAPHTHALENE	2300	JD	1500	J	630	UD
2-METHYLPHENOL	1200	UD	460	U	2300	UD
2-NITROANILINE	680	UD	260	U	1300	UD
2-NITROPHENOL	750	UD	290	U	1500	UD
3,3'-DICHLOROBENZIDINE	3000	UD	1200	U	5800	UD
ISOPHRONE	690	UD	270	U	1300	UD
3-NITROANILINE	3000	UD	1200	U	5900	UD
4,6-DINITRO-2-METHYLPHENOL	1100	UD	420	U	2100	UD
4-BROMOPHENYL PHENYL ETHER	490	UD	190	U	950	UD
4-CHLORO-3-METHYLPHENOL	550	UD	220	U	1100	UD
4-CHLOROPHENYL PHENYL ETHER	460	UD	180	U	900	UD
4-METHYLPHENOL	860	UD	330	U	1700	UD
4-NITROPHENOL	1800	UD	710	U	3500	UD
ACENAPHTHYLENE	2700	JD	1000	J	1100	UD
ACENAPTHENE	15000	JD	6800	J	15000	JD
ANTHRACENE	32000	D	17000		34000	JD

Notes:

ug/kg - micrograms per kilogram

DUP - denotes field duplicate of preceding sample

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**Summary of Total SVOCs in Soil
Caemmerer Yard West Investigation**

Table O.2-41

Location ID	E-47		E-47		E-47	
Sample ID	E-47-SW12-1-2DL		DUP-S-10-04-04		DUP-S-10-04-04DL	
Depth	1-2		1-2		1-2	
Dilution Factor	20.0		20.0		100.0	
Sample Date	10/4/2004		10/4/2004		10/4/2004	
Unit	ug/Kg		ug/Kg		ug/Kg	
BENZO(A)ANTHRACENE	71000	D	37000		69000	D
BENZO(A)PYRENE	60000	D	31000		58000	D
BENZO(B)FLUORANTHENE	82000	D	41000		78000	D
BENZO(G,H,I)PERYLENE	18000	JD	9300		16000	JD
BENZO(K)FLUORANTHENE	28000	D	11000		34000	J D
BENZYL BUTYL PHTHALATE	630	UD	240	U	1200	UD
BIS(2-CHLOROETHOXY)METHANE	850	UD	330	U	1700	UD
BIS(2-CHLOROETHYL-ETHER	920	UD	360	U	1800	UD
BIS(2-ETHYLHEXYL)PHTHALATE	430	UD	170	U	830	UD
CARBAZOLE	10000	JD	6600	J	9700	JD
DIBENZ(A,H)ANTHRACENE	2500	JD	980	J	1100	UD
DIBENZOFURAN	9200	JD	4400	J	8900	JD
DIETHYL PHTHALATE	590	UD	230	U	1100	UD
DIMETHYL PHTHALATE	450	UD	170	U	870	UD
DI-N-BUTYLPHTHALATE	250	UD	97	U	480	UD
DI-N-OCTYL PHTHALATE	450	UD	170	U	870	UD
FLUORANTHENE	120000	D	50000		120000	D
FLUORENE	19000	D	8000		20000	JD
HEXACHLORO-1,3-BUTADIENE	650	UD	250	U	1300	UD
HEXACHLOROENZENE	350	UD	140	U	680	UD
HEXACHLOROCYCLOPENTADIENE	470	UD	180	U	910	UD
HEXACHLOROETHANE	890	UD	350	U	1700	UD
INDENO(1,2,3-CD)PYRENE	8700	JD	4000	J	7000	JD
M-DICHLOROENZENE	690	UD	270	U	1300	UD
NAPHTHALENE	4800	JD	2300	J	4700	JD
NITROENZENE	950	UD	370	U	1800	UD
N-NITROSODI-N-PROPYLAMINE	820	UD	320	U	1600	UD
N-NITROSODIPHENYLAMINE	470	UD	180	U	920	UD
P-CHLOROANILINE	6900	UD	2700	U	13000	UD
PENTACHLOROPHENOL	580	UD	230	U	1100	UD
PHENANTHRENE	98000	D	42000		110000	D
PHENOL	780	UD	300	U	1500	UD
P-NITROANILINE	1500	UD	570	U	2800	UD
PYRENE	120000	D	80000	E	130000	D

Notes:

ug/kg - micrograms per kilogram

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instrument for that specific analysis

**Summary of Total SVOCs in Soil
Caemmerer Yard West Investigation**

Table O.2-41

Location ID	E-47		E-47		E-61	
Sample ID	E-47-SW12-3-5		E-47-SW12-3-5DL		E-61-SW-2-4	
Depth	3-5		3-5		2-4	
Dilution Factor	1.0		20.0		2.0	
Sample Date	10/4/2004		10/4/2004		10/3/2004	
Unit	ug/Kg		ug/Kg		ug/Kg	
1,2,4-TRICHLOROBENZENE	10	U	200	UD	22	U
CHRYSENE	3400	E	3100	JD	2300	
1,2-DICHLOROBENZENE	19	U	390	UD	42	U
1,4-DICHLOROBENZENE	15	U	300	UD	32	U
2,2'-OXYBIS(1-CHLOROPROPANE)	19	U	380	UD	42	U
2,4,5-TRICHLOROPHENOL	23	U	470	UD	51	U
2,4,6-TRICHLOROPHENOL	13	U	260	UD	28	U
2,4-DICHLOROPHENOL	12	U	250	UD	27	U
2,4-DIMETHYLPHENOL	19	U	380	UD	42	U
2,4-DINITROPHENOL	16	U	310	UD	34	U
2,4-DINITROTOLUENE	7.1	U	140	UD	15	U
2,6-DINITROTOLUENE	15	U	300	UD	33	U
2-CHLORONAPHTHALENE	7.4	U	150	UD	16	U
2-CHLOROPHENOL	15	U	310	UD	33	U
2-METHYLNAPHTHALENE	210	J	120	UD	96	J
2-METHYLPHENOL	22	U	450	UD	48	U
2-NITROANILINE	13	U	260	UD	28	U
2-NITROPHENOL	14	U	280	UD	31	U
3,3'-DICHLOROBENZIDINE	57	U	1100	UD	120	U
ISOPHRONE	13	U	260	UD	29	U
3-NITROANILINE	57	U	1100	UD	120	U
4,6-DINITRO-2-METHYLPHENOL	21	U	410	UD	45	U
4-BROMOPHENYL PHENYL ETHER	9.3	U	190	UD	20	U
4-CHLORO-3-METHYLPHENOL	10	U	210	UD	23	U
4-CHLOROPHENYL PHENYL ETHER	8.8	U	180	UD	19	U
4-METHYLPHENOL	200	J	330	UD	35	U
4-NITROPHENOL	35	U	690	UD	75	U
ACENAPHTHYLENE	120	J	210	UD	23	U
ACENAPTHENE	770		800	JD	410	J
ANTHRACENE	1500		1600	JD	820	

Notes:

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instrument for that specific analysis

**Summary of Total SVOCs in Soil
Caemmerer Yard West Investigation**

Table O.2-41

Location ID	E-47		E-47		E-61	
Sample ID	E-47-SW12-3-5		E-47-SW12-3-5DL		E-61-SW-2-4	
Depth	3-5		3-5		2-4	
Dilution Factor	1.0		20.0		2.0	
Sample Date	10/4/2004		10/4/2004		10/3/2004	
Unit	ug/Kg		ug/Kg		ug/Kg	
BENZO(A)ANTHRACENE	3600	E	3300	JD	2600	
BENZO(A)PYRENE	2800		2500	JD	2400	
BENZO(B)FLUORANTHENE	3600	E	3100	JD	2600	
BENZO(G,H,I)PERYLENE	980		850	JD	1000	
BENZO(K)FLUORANTHENE	1800		1400	JD	1300	
BENZYL BUTYL PHTHALATE	12	U	240	UD	26	U
BIS(2-CHLOROETHOXY)METHANE	16	U	320	UD	35	U
BIS(2-CHLOROETHYL-ETHER	17	U	350	UD	38	U
BIS(2-ETHYLHEXYL)PHTHALATE	270	J	160	UD	720	J
CARBAZOLE	470		160	UD	370	J
DIBENZ(A,H)ANTHRACENE	120	J	210	UD	110	J
DIBENZOFURAN	520		230	UD	190	J
DIETHYL PHTHALATE	11	U	220	UD	24	U
DIMETHYL PHTHALATE	8.5	U	170	UD	18	U
DI-N-BUTYLPHTHALATE	4.7	U	94	UD	10	U
DI-N-OCTYL PHTHALATE	8.5	U	170	UD	18	U
FLUORANTHENE	3300	E	5900	JD	4500	
FLUORENE	960		950	JD	370	J
HEXACHLORO-1,3-BUTADIENE	12	U	250	UD	27	U
HEXACHLOROBENZENE	6.6	U	130	UD	14	U
HEXACHLOROCYCLOPENTADIENE	8.9	U	180	UD	19	U
HEXACHLOROETHANE	17	U	340	UD	37	U
INDENO(1,2,3-CD)PYRENE	480		170	UD	700	J
M-DICHLOROBENZENE	13	U	260	UD	28	U
NAPHTHALENE	450		150	UD	180	J
NITROBENZENE	18	U	360	UD	39	U
N-NITROSODI-N-PROPYLAMINE	16	U	310	UD	34	U
N-NITROSODIPHENYLAMINE	9	U	180	UD	19	U
P-CHLOROANILINE	130	U	2600	UD	280	U
PENTACHLOROPHENOL	11	U	220	UD	24	U
PHENANTHRENE	4000	E	5900	JD	3600	
PHENOL	15	U	300	UD	32	U
P-NITROANILINE	28	U	550	UD	60	U
PYRENE	5000	E	6800	JD	4700	

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**Summary of Total SVOCs in Soil
Caemmerer Yard West Investigation**

Table O.2-41

Location ID	E-61		E-61		E-61	
Sample ID	E-61-SW-8-10		E-61-SW-16-18		E-61-SW-18-20	
Depth	8-10		16-18		18-20	
Dilution Factor	1.0		1.0		1.0	
Sample Date	10/3/2004		10/4/2004		10/4/2004	
Unit	ug/Kg		ug/Kg		ug/Kg	
1,2,4-TRICHLOROBENZENE	11	U	12	U	12	U
CHRYSENE	41	J	42	J	5400	E
1,2-DICHLOROBENZENE	20	U	22	U	23	U
1,4-DICHLOROBENZENE	16	U	17	U	18	U
2,2'-OXYBIS(1-CHLOROPROPANE)	20	U	22	U	23	U
2,4,5-TRICHLOROPHENOL	25	U	27	U	28	U
2,4,6-TRICHLOROPHENOL	14	U	15	U	15	U
2,4-DICHLOROPHENOL	13	U	14	U	15	U
2,4-DIMETHYLPHENOL	20	U	22	U	23	U
2,4-DINITROPHENOL	17	U	18	U	19	U
2,4-DINITROTOLUENE	7.5	U	8	U	8.5	U
2,6-DINITROTOLUENE	16	U	17	U	18	U
2-CHLORONAPHTHALENE	7.8	U	8.4	U	8.9	U
2-CHLOROPHENOL	16	U	17	U	18	U
2-METHYLNAPHTHALENE	6.5	U	6.9	U	12000	E
2-METHYLPHENOL	24	U	25	U	27	U
2-NITROANILINE	14	U	15	U	15	U
2-NITROPHENOL	15	U	16	U	17	U
3,3'-DICHLOROBENZIDINE	60	U	65	U	68	U
ISOPHRONE	14	U	15	U	16	U
3-NITROANILINE	61	U	65	U	69	U
4,6-DINITRO-2-METHYLPHENOL	22	U	23	U	25	U
4-BROMOPHENYL PHENYL ETHER	9.9	U	11	U	11	U
4-CHLORO-3-METHYLPHENOL	11	U	12	U	13	U
4-CHLOROPHENYL PHENYL ETHER	9.3	U	10	U	11	U
4-METHYLPHENOL	17	U	18	U	62	J
4-NITROPHENOL	37	U	39	U	42	U
ACENAPHTHYLENE	11	U	12	U	3700	E
ACENAPTHENE	8.3	U	8.9	U	3500	E
ANTHRACENE	9	U	9.6	U	6900	E

Notes:

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**Summary of Total SVOCs in Soil
Caemmerer Yard West Investigation**

Table O.2-41

Location ID	E-61		E-61		E-61	
Sample ID	E-61-SW-8-10		E-61-SW-16-18		E-61-SW-18-20	
Depth	8-10		16-18		18-20	
Dilution Factor	1.0		1.0		1.0	
Sample Date	10/3/2004		10/4/2004		10/4/2004	
Unit	ug/Kg		ug/Kg		ug/Kg	
BENZO(A)ANTHRACENE	56	J	54	J	10000	E
BENZO(A)PYRENE	78	J	68	J	6700	E
BENZO(B)FLUORANTHENE	69	J	60	J	9300	E
BENZO(G,H,I)PERYLENE	52	J	45	J	2200	
BENZO(K)FLUORANTHENE	13	U	14	U	3000	
BENZYL BUTYL PHTHALATE	13	U	13	U	14	U
BIS(2-CHLOROETHOXY)METHANE	17	U	18	U	19	U
BIS(2-CHLOROETHYL-ETHER	19	U	20	U	21	U
BIS(2-ETHYLHEXYL)PHTHALATE	190	J	43	J	100	J
CARBAZOLE	8.3	U	8.9	U	4700	E
DIBENZ(A,H)ANTHRACENE	11	U	12	U	270	J
DIBENZOFURAN	12	U	13	U	5300	E
DIETHYL PHTHALATE	12	U	13	U	13	U
DIMETHYL PHTHALATE	9	U	9.6	U	10	U
DI-N-BUTYLPHTHALATE	5	U	5.3	U	5.7	U
DI-N-OCTYL PHTHALATE	9	U	9.6	U	10	U
FLUORANTHENE	61	J	81	J	14000	E
FLUORENE	11	U	11	U	6400	E
HEXACHLORO-1,3-BUTADIENE	13	U	14	U	15	U
HEXACHLOROBENZENE	7	U	7.5	U	8	U
HEXACHLOROCYCLOPENTADIENE	9.4	U	10	U	11	U
HEXACHLOROETHANE	18	U	19	U	20	U
INDENO(1,2,3-CD)PYRENE	9.1	U	9.7	U	1200	
M-DICHLOROBENZENE	14	U	15	U	16	U
NAPHTHALENE	38	J	90	J	49000	E
NITROBENZENE	19	U	20	U	22	U
N-NITROSODI-N-PROPYLAMINE	17	U	18	U	19	U
N-NITROSODIPHENYLAMINE	9.5	U	10	U	11	U
P-CHLOROANILINE	140	U	150	U	160	U
PENTACHLOROPHENOL	12	U	13	U	13	U
PHENANTHRENE	44	J	71	J	22000	E
PHENOL	16	U	17	U	18	U
P-NITROANILINE	29	U	31	U	33	U
PYRENE	62	J	72	J	14000	E

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**Summary of Total SVOCs in Soil
Caemmerer Yard West Investigation**

Table O.2-41

Location ID	E-61		E-61		E-61	
Sample ID	E-61-SW-22-24		E-61-SW-24-26		E-61-SW-18-20DL	
Depth	22-24		24-26		18-20	
Dilution Factor	1.0		5.0			
Sample Date	10/4/2004		10/4/2004		10/4/2004	
Unit	ug/Kg		ug/Kg		ug/Kg	
1,2,4-TRICHLOROENZENE	11	U	67	U	610	UD
CHRYSENE	1400		12000		6800	JD
1,2-DICHLOROENZENE	21	U	130	U	1200	UD
1,4-DICHLOROENZENE	16	U	98	U	890	UD
2,2'-OXYBIS(1-CHLOROPROPANE)	21	U	130	U	1200	UD
2,4,5-TRICHLOROPHENOL	25	U	160	U	1400	UD
2,4,6-TRICHLOROPHENOL	14	U	85	U	770	UD
2,4-DICHLOROPHENOL	13	U	82	U	750	UD
2,4-DIMETHYLPHENOL	21	U	130	U	1200	UD
2,4-DINITROPHENOL	17	U	100	U	940	UD
2,4-DINITROTOLUENE	7.6	U	47	U	420	UD
2,6-DINITROTOLUENE	16	U	100	U	910	UD
2-CHLORONAPHTHALENE	7.9	U	49	U	440	UD
2-CHLOROPHENOL	16	U	100	U	920	UD
2-METHYLNAPHTHALENE	2100		120000	E	11000	JD
2-METHYLPHENOL	24	U	150	U	1300	UD
2-NITROANILINE	14	U	85	U	770	UD
2-NITROPHENOL	15	U	94	U	860	UD
3,3'-DICHLOROBENZIDINE	61	U	380	U	3400	UD
ISOPHRONE	14	U	87	U	790	UD
3-NITROANILINE	61	U	380	U	3400	UD
4,6-DINITRO-2-METHYLPHENOL	22	U	140	U	1200	UD
4-BROMOPHENYL PHENYL ETHER	10	U	62	U	560	UD
4-CHLORO-3-METHYLPHENOL	11	U	69	U	630	UD
4-CHLOROPHENYL PHENYL ETHER	9.4	U	58	U	530	UD
4-METHYLPHENOL	17	U	110	U	980	UD
4-NITROPHENOL	37	U	230	U	2100	UD
ACENAPHTHYLENE	740		7400		5800	JD
ACENAPHTHENE	1100		36000	E	4900	JD
ANTHRACENE	1500		21000	E	11000	JD

Notes:

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**Summary of Total SVOCs in Soil
Caemmerer Yard West Investigation**

Table O.2-41

Location ID	E-61		E-61		E-61	
Sample ID	E-61-SW-22-24		E-61-SW-24-26		E-61-SW-18-20DL	
Depth	22-24		24-26		18-20	
Dilution Factor	1.0		5.0			
Sample Date	10/4/2004		10/4/2004		10/4/2004	
Unit	ug/Kg		ug/Kg		ug/Kg	
BENZO(A)ANTHRACENE	2100		15000		8700	JD
BENZO(A)PYRENE	1500		13000		6900	JD
BENZO(B)FLUORANTHENE	1600		11000		7800	JD
BENZO(G,H,I)PERYLENE	500		4200		930	UD
BENZO(K)FLUORANTHENE	770		3900		5300	JD
BENZYL BUTYL PHTHALATE	13	U	79	U	710	UD
BIS(2-CHLOROETHOXY)METHANE	17	U	110	U	970	UD
BIS(2-CHLOROETHYL-ETHER	19	U	120	U	1000	UD
BIS(2-ETHYLHEXYL)PHTHALATE	8.7	U	54	U	490	UD
CARBAZOLE	830		3300		4500	JD
DIBENZ(A,H)ANTHRACENE	63	J	420	J	620	UD
DIBENZOFURAN	1400		8100		8600	JD
DIETHYL PHTHALATE	12	U	74	U	670	UD
DIMETHYL PHTHALATE	9.1	U	56	U	510	UD
DI-N-BUTYLPHTHALATE	5.1	U	31	U	280	UD
DI-N-OCTYL PHTHALATE	9.1	U	56	U	510	UD
FLUORANTHENE	3400	E	24000	E	24000	D
FLUORENE	1800		25000	E	11000	JD
HEXACHLORO-1,3-BUTADIENE	13	U	82	U	750	UD
HEXACHLOROBENZENE	7.1	U	44	U	400	UD
HEXACHLOROCYCLOPENTADIENE	9.5	U	59	U	530	UD
HEXACHLOROETHANE	18	U	110	U	1000	UD
INDENO(1,2,3-CD)PYRENE	380	J	1400	J	510	UD
M-DICHLOROBENZENE	14	U	86	U	780	UD
NAPHTHALENE	8200	E	360000	E	75000	D
NITROBENZENE	19	U	120	U	1100	UD
N-NITROSODI-N-PROPYLAMINE	17	U	100	U	940	UD
N-NITROSODIPHENYLAMINE	9.7	U	60	U	540	UD
P-CHLOROANILINE	140	U	870	U	7900	UD
PENTACHLOROPHENOL	12	U	73	U	660	UD
PHENANTHRENE	4800	E	51000	E	42000	D
PHENOL	16	U	98	U	890	UD
P-NITROANILINE	30	U	180	U	1700	UD
PYRENE	3000		35000	E	21000	JD

Notes:

ug/kg - micrograms per kilogram

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but was not detected

J - Indicates an estimated value

B - Indicates the analyte was found in the blank

D - Indicates the compound identified in an
analysis at a secondary dilution factor

E - Indicates the analyte's concentration
exceeds the calibration range of the
instrument for that specific analysis

**Summary of Total SVOCs in Soil
Caemmerer Yard West Investigation**

Table O.2-41

Location ID	E-61		E-61	
Sample ID	E-61-SW-24-26DL		E-61-SW-24-26-DL2	
Depth	24-26		24-26	
Dilution Factor				
Sample Date	10/4/2004		10/4/2004	
Unit	ug/Kg		ug/Kg	
1,2,4-TRICHLOROBENZENE	670	UD	3400	UD
CHRYSENE	12000	UD	3700	UD
1,2-DICHLOROBENZENE	1300	UD	6400	UD
1,4-DICHLOROBENZENE	980	UD	4900	UD
2,2'-OXYBIS(1-CHLOROPROPANE)	1300	UD	6300	UD
2,4,5-TRICHLOROPHENOL	1600	UD	7800	UD
2,4,6-TRICHLOROPHENOL	850	UD	4300	UD
2,4-DICHLOROPHENOL	820	UD	4100	UD
2,4-DIMETHYLPHENOL	1300	UD	6300	UD
2,4-DINITROPHENOL	1000	UD	5200	UD
2,4-DINITROTOLUENE	470	UD	2300	UD
2,6-DINITROTOLUENE	1000	UD	5000	UD
2-CHLORONAPHTHALENE	490	UD	2400	UD
2-CHLOROPHENOL	1000	UD	5100	UD
2-METHYLNAPHTHALENE	110000	D	130000	D
2-METHYLPHENOL	1500	UD	7400	UD
2-NITROANILINE	850	UD	4300	UD
2-NITROPHENOL	940	UD	4700	UD
3,3'-DICHLOROBENZIDINE	3800	UD	19000	UD
ISOPHRONE	870	UD	4400	UD
3-NITROANILINE	3800	UD	19000	UD
4,6-DINITRO-2-METHYLPHENOL	1400	UD	6800	UD
4-BROMOPHENYL PHENYL ETHER	620	UD	3100	UD
4-CHLORO-3-METHYLPHENOL	690	UD	3500	UD
4-CHLOROPHENYL PHENYL ETHER	580	UD	2900	UD
4-METHYLPHENOL	1100	UD	5400	UD
4-NITROPHENOL	2300	UD	11000	UD
ACENAPHTHYLENE	10000	JD	3500	UD
ACENAPHTHENE	73000	D	95000	JD
ANTHRACENE	29000	D	33000	JD

Notes:

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- D - Indicates the compound identified in an analysis at a secondary dilution factor
- E - Indicates the analyte's concentration exceeds the calibration range of the instrument for that specific analysis

**Summary of Total SVOCs in Soil
Caemmerer Yard West Investigation**

Table O.2-41

Location ID	E-61		E-61	
Sample ID	E-61-SW-24-26DL		E-61-SW-24-26-DL2	
Depth	24-26		24-26	
Dilution Factor				
Sample Date	10/4/2004		10/4/2004	
Unit	ug/Kg		ug/Kg	
BENZO(A)ANTHRACENE	16000	JD	16000	JD
BENZO(A)PYRENE	13000	JD	13000	JD
BENZO(B)FLUORANTHENE	9600	JD	6200	UD
BENZO(G,H,I)PERYLENE	3500	JD	5100	UD
BENZO(K)FLUORANTHENE	4900	JD	4000	UD
BENZYL BUTYL PHTHALATE	790	UD	3900	UD
BIS(2-CHLOROETHOXY)METHANE	1100	UD	5400	UD
BIS(2-CHLOROETHYL-ETHER	1200	UD	5800	UD
BIS(2-ETHYLHEXYL)PHTHALATE	540	UD	2700	UD
CARBAZOLE	3400	JD	2600	UD
DIBENZ(A,H)ANTHRACENE	690	UD	3400	UD
DIBENZOFURAN	11000	JD	3900	UD
DIETHYL PHTHALATE	740	UD	3700	UD
DIMETHYL PHTHALATE	560	UD	2800	UD
DI-N-BUTYLPHTHALATE	310	UD	1600	UD
DI-N-OCTYL PHTHALATE	560	UD	2800	UD
FLUORANTHENE	34000	D	34000	JD
FLUORENE	52000	D	53000	JD
HEXACHLORO-1,3-BUTADIENE	820	UD	4100	UD
HEXACHLOROBENZENE	440	UD	2200	UD
HEXACHLOROCYCLOPENTADIENE	590	UD	2900	UD
HEXACHLOROETHANE	1100	UD	5600	UD
INDENO(1,2,3-CD)PYRENE	570	UD	2800	UD
M-DICHLOROBENZENE	860	UD	4300	UD
NAPHTHALENE	310000	ED	540000	D
NITROBENZENE	1200	UD	6000	UD
N-NITROSODI-N-PROPYLAMINE	1000	UD	5200	UD
N-NITROSODIPHENYLAMINE	600	UD	3000	UD
P-CHLOROANILINE	8700	UD	43000	UD
PENTACHLOROPHENOL	730	UD	3600	UD
PHENANTHRENE	93000	D	120000	JD
PHENOL	980	UD	4900	UD
P-NITROANILINE	1800	UD	9200	UD
PYRENE	54000	D	58000	JD

Notes:

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- D - Indicates the compound identified in an analysis at a secondary dilution factor
- E - Indicates the analyte's concentration exceeds the calibration range of the instrument for that specific analysis

**Summary of Total Metals in Soil
Caemmerer Yard West Investigation**

Table O.2-42

Location ID	SB-H-04		SB-H-04		SB-H-04	
Sample ID	SB-H-04-LIRR-2-4		SB-H-04-LIRR-8-10		SB-H-04-LIRR-12-14	
Depth	2-4		8-10		12-14	
Dilution Factor	1.0		1.0		1.0	
Sample Date	9/21/2004		9/21/2004		9/21/2004	
Unit	mg/Kg		mg/Kg		mg/Kg	
ALUMINUM (FUME OR DUST)	2110		9950		4950	
ANTIMONY	0.733	J	0.822	U	0.72	U
ARSENIC	0.752	J	5.5		5.61	
BARIUM	13	J	184		118	
BERYLLIUM	0.093	J	0.455	J	0.233	J
CADMIUM	0.049	U	0.067	U	0.059	U
CALCIUM METAL	5120		12000		10600	
CHROMIUM-TOTAL RECOVERABLE	5.7		20.9		10.1	
COBALT	1.79	J	8.18		6.08	J
COPPER	8.94		55.4		43.9	
IRON	4220		15400		13300	
LEAD	11.3		428		485	
MAGNESIUM	2180		3390		2130	
MANGANESE	97		399		281	
NICKEL	5.86		17.5		11.9	
POTASSIUM	372	J	2600		1670	
SELENIUM	0.33	U	0.685	J	0.531	J
SILVER	0.111	U	0.251	J	0.134	U
SODIUM	39.2	U	470	J	333	J
THALLIUM	0.348	U	0.482	U	0.422	U
VANADIUM (FUME OR DUST)	5.47		27.2		15.1	
ZINC	15.7		95.4		166	
MERCURY	0.03		0.68		0.90	

Notes:

mg/kg - milligrams per kilogram

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**Summary of Total Metals in Soil
Caemmerer Yard West Investigation**

Table O.2-42

Location ID	SB-H-04		SB-H-05		SB-H-05	
Sample ID	SB-H-04-LIRR-18-20		SB-H-05-LIRR-4-6		SB-H-05-LIRR-10-12	
Depth	18-20		4-6		10-12	
Dilution Factor	1.0		1.0		1.0	
Sample Date	9/21/2004		9/17/2004		9/25/2004	
Unit	mg/Kg		mg/Kg		mg/Kg	
ALUMINUM (FUME OR DUST)	17300		4160		11300	
ANTIMONY	0.959	U	0.598	U	0.763	J
ARSENIC	10.9		1.83		7.33	
BARIUM	117		35.8		555	
BERYLLIUM	0.853		0.196	J	0.399	J
CADMIUM	0.078	U	0.049	U	0.061	U
CALCIUM METAL	3870		26200		3990	
CHROMIUM-TOTAL RECOVERABLE	29.4		12.2		16.5	
COBALT	14.2		3.74	J	8.24	
COPPER	51		20.8		236	
IRON	29700		9240		12200	
LEAD	115		21.9		686	
MAGNESIUM	7330		7100		2220	
MANGANESE	872		221		923	
NICKEL	29.8		28.3		15.4	
POTASSIUM	3890		1320		2730	
SELENIUM	1.54	J	0.669	J	0.791	J
SILVER	0.179	U	0.111	U	1.29	J
SODIUM	3330		200	J	781	
THALLIUM	0.562	U	0.35	U	0.438	U
VANADIUM (FUME OR DUST)	39.9		16.3		27.6	
ZINC	83.2		26.3		48.4	
MERCURY	0.25		0.06		0.11	

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**Summary of Total Metals in Soil
Caemmerer Yard West Investigation**

Table O.2-42

Location ID	SB-H-05		SB-H-06		SB-H-06	
Sample ID	SB-H-05-LIRR-18-20		SB-H-06-LIRR-2-4		SB-H-06-LIRR-8-10	
Depth	18-20		2-4		8-10	
Dilution Factor	1.0		1.0		1.0	
Sample Date	9/21/2004		9/22/2004		9/22/2004	
Unit	mg/Kg		mg/Kg		mg/Kg	
ALUMINUM (FUME OR DUST)	7360		7140		2140	
ANTIMONY	0.711	U	0.597	U	0.661	U
ARSENIC	8.04		3.46		1.81	
BARIUM	18.3	J	81.3		39	
BERYLLIUM	0.422	J	0.346		0.106	
CADMIUM	0.058	U	0.049	U	0.054	U
CALCIUM METAL	2370		5180		4400	
CHROMIUM-TOTAL RECOVERABLE	17.7		13.8		5.8	
COBALT	7.42		5.77		2.37	
COPPER	12.8		23.5		15.7	
IRON	19500		11700		4770	
LEAD	9.96		224		53.1	
MAGNESIUM	3800		2230		2040	
MANGANESE	549		188		258	
NICKEL	16.3		10.2		5.81	
POTASSIUM	1700		1260		411	
SELENIUM	1.15	J	1.02		0.368	U
SILVER	0.133	U	0.983		0.123	U
SODIUM	876		237		98.8	
THALLIUM	0.417	U	0.35	U	0.388	U
VANADIUM (FUME OR DUST)	23.7		20.5		6.69	
ZINC	40.9		33.2		20.3	
MERCURY	0.03		0.12		0.37	

Notes:

mg/kg - milligrams per kilogram

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**Summary of Total Metals in Soil
Caemmerer Yard West Investigation**

Table O.2-42

Location ID	SB-H-06	SB-H-06	SB-H-07
Sample ID	SB-H-06-LIRR-10-12	SB-H-06-LIRR-24-26	SB-H-07-LIRR-2-4
Depth	10-12	24-26	2-4
Dilution Factor	1.0	1.0	1.0
Sample Date	9/22/2004	9/22/2004	10/1/2004
Unit	mg/Kg	mg/Kg	mg/Kg
ALUMINUM (FUME OR DUST)	5710	58.3	2110
ANTIMONY	0.718 U	0.735 J	0.628 U
ARSENIC	9.58	0.073 U	1.75
BARIUM	140	4220	30
BERYLLIUM	0.29	26.1	0.129 J
CADMIUM	0.059 U	11.3	0.051 U
CALCIUM METAL	30500	23	3210
CHROMIUM-TOTAL RECOVERABLE	13.7	29100	5.77
COBALT	5.39	68.4	2.41 J
COPPER	42.5	6920	20.2
IRON	13100	1110	5150
LEAD	470	0.18	33.2
MAGNESIUM	2490	25.1	1270
MANGANESE	285	3690	165
NICKEL	12.1	10 U	10.5
POTASSIUM	1500	40 U	400 J
SELENIUM	1.93	1.6	0.349 U
SILVER	0.814	0.166 UN	0.291 J
SODIUM	366	4620	119 J
THALLIUM	0.421 U	0.523 U	0.368 U
VANADIUM (FUME OR DUST)	18.8	63 U	7.3
ZINC	75.5	34.4	21.4
MERCURY	0.36	75.1	0.133

Notes:

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**Summary of Total Metals in Soil
Caemmerer Yard West Investigation**

Table O.2-42

Location ID	SB-H-07		SB-H-07		SB-H-07	
Sample ID	SB-H-07-LIRR-4-6		SB-H-07-LIRR-14-16		DUP-SB-H-07-LIRR	
Depth	4-6		14-16		14-16	
Dilution Factor	1.0		1.0		1.0	
Sample Date	10/1/2004		10/1/2004		10/1/2004	
Unit	mg/Kg		mg/Kg		mg/Kg	
ALUMINUM (FUME OR DUST)	2950		10200		6840	
ANTIMONY	1.8	J	0.712	U	0.833	U
ARSENIC	2.82		16.1		16.3	
BARIUM	48.6		250		152	
BERYLLIUM	0.155	J	0.355	J	0.325	J
CADMIUM	0.054	U	0.058	U	0.068	U
CALCIUM METAL	4440		6510		6250	
CHROMIUM-TOTAL RECOVERABLE	7.06		29.5		21.1	
COBALT	3.05	J	11.5		7.06	J
COPPER	30.9		71		62.5	
IRON	9370		18900		15600	
LEAD	90.8		235		222	
MAGNESIUM	1310		5220		3380	
MANGANESE	138		274		233	
NICKEL	8.4		22.9		14.7	
POTASSIUM	803		4930		2410	
SELENIUM	0.37	U	1.48		1.35	J
SILVER	0.124	U	0.133	U	0.155	U
SODIUM	203	J	563	J	384	J
THALLIUM	0.534	J	0.417	U	0.607	J
VANADIUM (FUME OR DUST)	8.68		40.6		22.4	
ZINC	155		91.5		69.5	
MERCURY	1.2	D	0.454		0.817	D

Notes:

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**Summary of Total Metals in Soil
Caemmerer Yard West Investigation**

Table O.2-42

Location ID	SB-H-07	SB-H-08	SB-H-08
Sample ID	SB-H-07-LIRR-24-26	SB-H-08-LIRR-2-4	SB-H-08-LIRR-4-6
Depth	24-26	2-4	4-6
Dilution Factor	1.0	1.0	1.0
Sample Date	10/1/2004	10/1/2004	10/1/2004
Unit	mg/Kg	mg/Kg	mg/Kg
ALUMINUM (FUME OR DUST)	14500	904	11700
ANTIMONY	0.874 U	0.628 U	0.663 U
ARSENIC	8.67	0.507 J	1.71
BARIUM	41.8	5.66 J	108
BERYLLIUM	0.709 J	0.056 J	0.793
CADMIUM	0.071 U	0.051 U	0.054 U
CALCIUM METAL	3890	867	33600
CHROMIUM-TOTAL RECOVERABLE	22.8	1.93	8.64
COBALT	11.3	0.92 J	4.09 J
COPPER	23.3	4.97	22.8
IRON	24700	2030	8170
LEAD	31.5	3.65	34.1
MAGNESIUM	6700	421 J	13700
MANGANESE	704	66.5	962
NICKEL	25.1	1.86 J	9.39
POTASSIUM	2960	186 J	1880
SELENIUM	1.67	0.349 U	0.369 U
SILVER	2.75	0.117 U	0.124 U
SODIUM	3100	41.5 U	664
THALLIUM	1.01 J	0.488 J	0.389 U
VANADIUM (FUME OR DUST)	30	2.68 J	11.5
ZINC	72.1	7.34	235
MERCURY	0.132	0.009 J	0.007 U

Notes:

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**Summary of Total Metals in Soil
Caemmerer Yard West Investigation**

Table O.2-42

Location ID	SB-H-08		SB-H-08		SB-H-10	
Sample ID	SB-H-08-LIRR-16-18		SB-H-08-LIRR-18-20		SB-H-10-LIRR-4-6	
Depth	16-18		18-20		4-6	
Dilution Factor	1.0		1.0		1.0	
Sample Date	10/1/2004		10/1/2004		9/22/2004	
Unit	mg/Kg		mg/Kg		mg/Kg	
ALUMINUM (FUME OR DUST)	7820		16600		5200	
ANTIMONY	0.659	U	1.11	J	0.611	U
ARSENIC	3.43		22.2		8.8	
BARIUM	80.1		112		40.3	
BERYLLIUM	0.386	J	0.806	J	0.266	
CADMIUM	0.054	U	0.081	U	0.05	U
CALCIUM METAL	3290		4170		3500	
CHROMIUM-TOTAL RECOVERABLE	16.6		46.4		9.87	
COBALT	6.99		11.8		5.03	
COPPER	42.2		80.2		18.3	
IRON	12500		30800		14600	
LEAD	75.4		263		55.6	
MAGNESIUM	3000		7430		2770	
MANGANESE	199		493		255	
NICKEL	15.2		28.9		12.2	
POTASSIUM	1840		3520		1230	
SELENIUM	0.418	J	1.21	J	1.21	
SILVER	0.123	U	0.184	U	0.114	U
SODIUM	444	J	5280		108	
THALLIUM	0.386	U	0.578	U	0.358	U
VANADIUM (FUME OR DUST)	20.7		37.3		11.7	
ZINC	58.7		189		48.2	
MERCURY	0.187		3.1	D	0.13	

Notes:

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**Summary of Total Metals in Soil
Caemmerer Yard West Investigation**

Table O.2-42

Location ID	SB-H-10		SB-H-10		SB-H-10	
Sample ID	DUP-2-09-22-04		SB-H-10-LIRR-6-8		SB-H-10-LIRR-22-24	
Depth	4-6		6-8		22-24	
Dilution Factor	1.0		1.0		1.0	
Sample Date	9/22/2004		9/22/2004		9/22/2004	
Unit	mg/Kg		mg/Kg		mg/Kg	
ALUMINUM (FUME OR DUST)	4960		7010		2580	
ANTIMONY	0.619	U	0.644	U	0.673	U
ARSENIC	6.13		3.48		1.05	J
BARIUM	38.7		50		838	
BERYLLIUM	0.255		0.287		0.172	J
CADMIUM	0.051	U	0.053	U	0.055	U
CALCIUM METAL	3110		3740		1510	
CHROMIUM-TOTAL RECOVERABLE	10.2		13.7		6.69	
COBALT	5.49		6.54		3.65	J
COPPER	18.3		15.8		15.2	
IRON	12100		13700		4520	
LEAD	52.8		31.8		3.32	
MAGNESIUM	2670		2950		1060	
MANGANESE	212		204		212	
NICKEL	11.8		13		6.97	
POTASSIUM	1280		1560		692	
SELENIUM	0.344	U	0.473		0.374	U
SILVER	0.116	U	0.12	U	0.126	UN
SODIUM	81.7		131		630	
THALLIUM	0.363	U	0.378	U	0.395	U
VANADIUM (FUME OR DUST)	11.5		15.6		6.22	
ZINC	53.4		32.5		11.7	
MERCURY	0.11		0.05		0.01	U

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**Summary of Total Metals in Soil
Caemmerer Yard West Investigation**

Table O.2-42

Location ID	SB-H-12		SB-H-12		SB-H-12	
Sample ID	SB-H-12-LIRR-0-2		SB-H-12-LIRR-6-9		SB-H-12-LIRR-16-18	
Depth	0-2		6-9		16-18	
Dilution Factor	1.0		1.0		1.0	
Sample Date	10/1/2004		10/2/2004		10/2/2004	
Unit	mg/Kg		mg/Kg		mg/Kg	
ALUMINUM (FUME OR DUST)	981		6920		3970	
ANTIMONY	0.619	U	3.82	J	0.743	U
ARSENIC	0.675	J	6.07		7.34	
BARIUM	7.85	J	101		178	
BERYLLIUM	0.111	J	0.289	J	0.218	J
CADMIUM	0.051	U	0.054	U	0.061	U
CALCIUM METAL	4120		39000		20200	
CHROMIUM-TOTAL RECOVERABLE	5.11		20.8		11.4	
COBALT	1.15	J	7.98		3.76	J
COPPER	8.61		130		47.4	
IRON	3420		20300		12800	
LEAD	2.49		209		108	
MAGNESIUM	1160		4080		1780	
MANGANESE	62.3		292		219	
NICKEL	5.45		33.6		8.49	
POTASSIUM	147	J	3000		768	
SELENIUM	0.344	U	1.67		1.02	J
SILVER	0.115	U	0.124	U	0.139	U
SODIUM	47.8	J	504	J	633	J
THALLIUM	0.436	J	0.391	U	0.556	J
VANADIUM (FUME OR DUST)	4.5	J	21.8		10.9	
ZINC	9.34		103		552	
MERCURY	0.006	U	0.719	D	0.202	

Notes:

mg/kg - milligrams per kilogram

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**Summary of Total Metals in Soil
Caemmerer Yard West Investigation**

Table O.2-42

Location ID	SB-H-12		SB-H-13		SB-H-13	
Sample ID	SB-H-12-LIRR-28-29		SB-H-13-LIRR-2-4		SB-H-13-LIRR-4-6	
Depth	28-29		2-4		4-6	
Dilution Factor	1.0		1.0		1.0	
Sample Date	10/2/2004		9/25/2004		9/25/2004	
Unit	mg/Kg		mg/Kg		mg/Kg	
ALUMINUM (FUME OR DUST)	8360		1310		4190	
ANTIMONY	0.651	U	0.585	U	0.724	J
ARSENIC	7.54		0.556	J	6.47	
BARIUM	144		3.86	J	81.2	
BERYLLIUM	0.25	J	0.045	J	0.247	J
CADMIUM	0.053	U	0.048	U	0.051	U
CALCIUM METAL	10900		2710		5910	
CHROMIUM-TOTAL RECOVERABLE	19.9		2.79		13.4	
COBALT	10.2		1.52	J	4.74	J
COPPER	99.2		11.8		79.6	
IRON	17900		3460		12000	
LEAD	84.1		4.44		201	
MAGNESIUM	4480		1400		1640	
MANGANESE	246		71.4		173	
NICKEL	11.8		7.88		11.9	
POTASSIUM	2160		165	J	1380	
SELENIUM	1.1	J	0.325	U	0.35	U
SILVER	0.121	U	0.109	U	0.117	U
SODIUM	394	J	68.4	J	140	J
THALLIUM	0.382	U	0.796	J	0.369	U
VANADIUM (FUME OR DUST)	36		6.24		15.4	
ZINC	53		9.07		110	
MERCURY	0.112		0.001	U	0.56	D

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**Summary of Total Metals in Soil
Caemmerer Yard West Investigation**

Table O.2-42

Location ID	SB-H-13		SB-H-13		SB-H-15	
Sample ID	SB-H-13-LIRR-14-16		SB-H-13-LIRR-24-26		SB-H-15-LIRR-2-3	
Depth	14-16		24-26		2-3	
Dilution Factor	1.0		1.0		1.0	
Sample Date	9/26/2004		9/26/2004		9/25/2004	
Unit	mg/Kg		mg/Kg		mg/Kg	
ALUMINUM (FUME OR DUST)	13000		13200		1510	
ANTIMONY	0.716	U	0.908	U	0.638	U
ARSENIC	15.5		10.6		0.67	J
BARIUM	158		43.7		9.54	J
BERYLLIUM	0.317	J	0.712	J	0.081	J
CADMIUM	0.059	U	0.074	U	0.052	U
CALCIUM METAL	3800		4280		10500	
CHROMIUM-TOTAL RECOVERABLE	24.2		23.6		12	
COBALT	16		11.1		1.76	J
COPPER	27.2		23.6		57.2	
IRON	21900		28900		8080	
LEAD	59.1		40		5.66	
MAGNESIUM	8090		6470		3620	
MANGANESE	241		1300		137	
NICKEL	25.1		23.4		59.6	
POTASSIUM	8920		2860		295	J
SELENIUM	0.398	U	0.505	U	0.355	U
SILVER	0.134	U	0.169	U	0.119	U
SODIUM	196	J	3830		42.1	U
THALLIUM	0.42	U	0.532	U	0.374	U
VANADIUM (FUME OR DUST)	36.4		34.1		5.97	
ZINC	80.5		61.8		15.2	
MERCURY	0.02		0.16		0.001	U

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**Summary of Total Metals in Soil
Caemmerer Yard West Investigation**

Table O.2-42

Location ID	SB-H-15		SB-H-15		SB-H-15	
Sample ID	SB-H-15-LIRR-6-8		DUP-1-09-26-04		SB-H-15-LIRR-10-11	
Depth	6-8		6-8		10-11	
Dilution Factor	1.0		1.0		1.0	
Sample Date	9/26/2004		9/26/2004		9/26/2004	
Unit	mg/Kg		mg/Kg		mg/Kg	
ALUMINUM (FUME OR DUST)	7770		6240		8360	
ANTIMONY	0.707	U	0.715	U	0.693	U
ARSENIC	5.85		4.48		20.6	
BARIUM	99.2		88.4		144	
BERYLLIUM	0.324	J	0.284	J	0.361	J
CADMIUM	0.058	U	0.058	U	0.057	U
CALCIUM METAL	12700		18700		11300	
CHROMIUM-TOTAL RECOVERABLE	34.1		29.8		23.7	
COBALT	7.28		6.02	J	7.19	
COPPER	87.3		144		39.4	
IRON	14600		12300		14400	
LEAD	153		124		211	
MAGNESIUM	4090		7220		3690	
MANGANESE	281		268		244	
NICKEL	19		17.3		12.1	
POTASSIUM	2660		2420		4410	
SELENIUM	0.393	U	0.398	U	0.385	U
SILVER	0.132	U	0.133	U	0.297	J
SODIUM	272	J	250	J	429	J
THALLIUM	0.415	U	0.419	U	0.406	U
VANADIUM (FUME OR DUST)	21.8		18.7		27.4	
ZINC	134		94.7		48.7	
MERCURY	0.45		0.4		0.22	

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**Summary of Total Metals in Soil
Caemmerer Yard West Investigation**

Table O.2-42

Location ID	SB-H-18		SB-H-18		SB-H-18	
Sample ID	SB-H-18-LIRR-2-4		SB-H-18-LIRR-4-6		SB-H-18-LIRR-12-14	
Depth	2-4		4-6		12-14	
Dilution Factor	1.0		1.0		1.0	
Sample Date	9/26/2004		9/28/2004		9/28/2004	
Unit	mg/Kg		mg/Kg		mg/Kg	
ALUMINUM (FUME OR DUST)	4010		5990		2790	
ANTIMONY	2.68	J	2.44	J	0.762	U
ARSENIC	0.759	J	8.09		6.39	
BARIIUM	5.52	J	84.5		129	
BERYLLIUM	0.081	J	0.343	J	0.314	J
CADMIUM	0.048	U	0.05	U	0.062	U
CALCIUM METAL	742		22400		4990	
CHROMIUM-TOTAL RECOVERABLE	7.86		34		7.13	
COBALT	2.92	J	6.79		3.44	J
COPPER	5.52		118		39.2	
IRON	2310		26300		5140	
LEAD	3.22		230		106	
MAGNESIUM	514	J	2340		563	J
MANGANESE	70.9		264		77.5	
NICKEL	1.81	J	78.7		9.03	
POTASSIUM	184	J	1580		354	J
SELENIUM	0.326	U	2.48		0.455	J
SILVER	0.109	U	0.115	U	0.142	U
SODIUM	256	J	470	J	350	J
THALLIUM	0.343	U	0.361	U	0.446	U
VANADIUM (FUME OR DUST)	3.12	J	25.9		10.6	
ZINC	1070		162		43	
MERCURY	0.001	U	0.6	N D	0.3	N

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**Summary of Total Metals in Soil
Caemmerer Yard West Investigation**

Table O.2-42

Location ID	SB-H-18		SB-H-20		SB-H-20	
Sample ID	SB-H-18-LIRR-20-22		SB-H-20-LIRR-2-4		SB-H-20-LIRR-4-6	
Depth	20-22		2-4		4-6	
Dilution Factor	1.0					
Sample Date	9/29/2004		10/6/2004		10/6/2004	
Unit	mg/Kg		mg/Kg		mg/Kg	
ALUMINUM (FUME OR DUST)	10500		1380		4790	
ANTIMONY	0.95	U	0.593	U	0.673	U
ARSENIC	18.9		0.896	J	3.17	
BARIUM	59.1		9.89	J	82.8	
BERYLLIUM	0.584	J	0.106	J	0.257	J
CADMIUM	0.078	U	0.048	U	0.055	U
CALCIUM METAL	4920		7080		5700	
CHROMIUM-TOTAL RECOVERABLE	27.5		3.18		15.4	
COBALT	10		1.97	J	4.01	J
COPPER	42.4		5.97		14.5	
IRON	23700		2410		6880	
LEAD	132		5.05		26.2	
MAGNESIUM	5500		1060		1770	
MANGANESE	978		71.9		115	
NICKEL	23		2.25	J	10.9	
POTASSIUM	2000		227	J	770	
SELENIUM	2.43		0.33	U	0.374	U
SILVER	0.177	U	0.111	U	0.422	J
SODIUM	3000		39.1	U	225	J
THALLIUM	0.557	U	0.679	J	0.394	U
VANADIUM (FUME OR DUST)	27.1		3.77	J	10.5	
ZINC	86.8		6.36		30.5	
MERCURY	0.377		0.006	U	0.087	

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**Summary of Total Metals in Soil
Caemmerer Yard West Investigation**

Table O.2-42

Location ID	SB-H-20	SB-H-20	E-23
Sample ID	DUP-S-10-06-04	SB-H-20-LIRR-18-20	E-23-LIRR-1-2
Depth	4-6	18-20	1-2
Dilution Factor			1.0
Sample Date	10/6/2004	10/6/2004	9/21/2004
Unit	mg/Kg	mg/Kg	mg/Kg
ALUMINUM (FUME OR DUST)	7000	7890	5380
ANTIMONY	0.655 U	0.744 U	0.605 U
ARSENIC	5.92	8.7	2.07
BARIUM	144	144	50.4
BERYLLIUM	0.369 J	0.452 J	0.178
CADMIUM	0.054 U	0.061 U	0.049 U
CALCIUM METAL	6700	6270	54900
CHROMIUM-TOTAL RECOVERABLE	14.6	18.3	10.3
COBALT	5.68 J	7.03	17.4
COPPER	25.9	29	18.4
IRON	11100	14400	7850
LEAD	224	217	6.15
MAGNESIUM	2710	3360	13300
MANGANESE	233	347	130
NICKEL	12.4	14.8	7.07
POTASSIUM	1530	1850	2230
SELENIUM	0.364 U	0.413 U	0.336 U
SILVER	0.122 U	0.139 U	0.113 U
SODIUM	579 J	929	542
THALLIUM	0.504 J	0.436 U	0.354 U
VANADIUM (FUME OR DUST)	16.1	19.8	16.6
ZINC	50.7	58.3	33.3
MERCURY	0.132	0.28	0.02

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**Summary of Total Metals in Soil
Caemmerer Yard West Investigation**

Table O.2-42

Location ID	E-23A		E-28		E-28	
Sample ID	E-23A-LIRR-1-3.5		E-28-LIRR-2-2.5		E-28-LIRR-4-6	
Depth	1-3.5		2-2.5		4-6	
Dilution Factor	1.0		1.0		1.0	
Sample Date	9/22/2004		9/23/2004		9/23/2004	
Unit	mg/Kg		mg/Kg		mg/Kg	
ALUMINUM (FUME OR DUST)	5470		6240		6160	
ANTIMONY	0.942	J	0.616	U	0.615	U
ARSENIC	6.71		2.58		4.43	
BARIUM	94.2		63.8		61.1	
BERYLLIUM	0.253	J	0.185	J	0.376	J
CADMIUM	0.05	U	0.05	U	0.05	U
CALCIUM METAL	50700		59500		39300	
CHROMIUM-TOTAL RECOVERABLE	18.4		11.7		9.96	
COBALT	6.35		6.77		6.02	
COPPER	68.6		23.5		47.2	
IRON	16000		11000		10800	
LEAD	126		18.5		58.7	
MAGNESIUM	18300		16600		9410	
MANGANESE	210		171		160	
NICKEL	15.1		9.49		10.9	
POTASSIUM	2120		2600		2210	
SELENIUM	0.855	J	0.342	U	0.342	U
SILVER	0.147	JN	0.115	UN	0.115	U
SODIUM	300	J	353	J	345	J
THALLIUM	0.355	U	0.361	U	0.361	U
VANADIUM (FUME OR DUST)	19.8		24.2		18.4	
ZINC	79.8		60.9		113	
MERCURY	1.4	D	0.02		0	U

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**Summary of Total Metals in Soil
Caemmerer Yard West Investigation**

Table O.2-42

Location ID	E-28		E-28		E-28	
Sample ID	E-28-LIRR-8-9		E-28-LIRR-18-20		E-28-LIRR-26-28	
Depth	8-9		18-20		26-28	
Dilution Factor	1.0		1.0		1.0	
Sample Date	9/23/2004		9/23/2004		9/23/2004	
Unit	mg/Kg		mg/Kg		mg/Kg	
ALUMINUM (FUME OR DUST)	4910		2920		14700	
ANTIMONY	3	J	0.736	U	0.966	U
ARSENIC	7.88		3.11		12.5	
BARIUM	93.1		29.1		45.3	
BERYLLIUM	0.58	J	0.224	J	0.791	J
CADMIUM	0.083	J	0.06	U	0.079	U
CALCIUM METAL	25700		16100		3670	
CHROMIUM-TOTAL RECOVERABLE	9.89		9.93		26.1	
COBALT	5.68	J	3.81	J	11.8	
COPPER	230		38.8		40.9	
IRON	15500		12000		27700	
LEAD	304		59.1		81	
MAGNESIUM	7270		7970		7110	
MANGANESE	229		208		1070	
NICKEL	12.1		9.52		26.3	
POTASSIUM	1180		647	J	3180	
SELENIUM	0.389	U	0.409	U	0.537	U
SILVER	0.131	U	0.137	U	0.18	U
SODIUM	281	J	241	J	5110	
THALLIUM	0.619	J	0.431	U	1.43	J
VANADIUM (FUME OR DUST)	13.6		9.86		33.7	
ZINC	278		48.7		99.7	
MERCURY	0	U	0.04		0.21	

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**Summary of Total Metals in Soil
Caemmerer Yard West Investigation**

Table O.2-42

Location ID	E-28		E-35		E-35	
Sample ID	E-28-LIRR-32-34		E-35-LIRR-0-2		E-35-LIRR-2-4	
Depth	32-34		0-2		2-4	
Dilution Factor	1.0		1.0		1.0	
Sample Date	9/23/2004		9/30/2004		9/30/2004	
Unit	mg/Kg		mg/Kg		mg/Kg	
ALUMINUM (FUME OR DUST)	13900		1780		1780	
ANTIMONY	0.929	U	0.599	U	0.62	U
ARSENIC	12		0.757	J	1.36	
BARIUM	47.7		12	J	19	J
BERYLLIUM	0.723	J	0.079	J	0.099	J
CADMIUM	0.076	U	0.049	U	0.051	U
CALCIUM METAL	3640		12800		6260	
CHROMIUM-TOTAL RECOVERABLE	24.5		3.87		3.66	
COBALT	11.8		1.14	J	1.72	J
COPPER	29.5		6.26		16.1	
IRON	26300		2690		3490	
LEAD	118		9.21		43.5	
MAGNESIUM	6600		2690		791	
MANGANESE	1030		82.1		100	
NICKEL	25		3.38	J	3.97	J
POTASSIUM	3130		253	J	338	J
SELENIUM	0.517	U	0.333	U	0.676	J
SILVER	0.173	U	0.112	U	0.116	U
SODIUM	4850		94.1	J	143	J
THALLIUM	0.545	U	0.351	U	0.363	U
VANADIUM (FUME OR DUST)	32.3		4.49	J	4.52	J
ZINC	75.8		8.52		36.1	
MERCURY	0.17		0.008	J	0.162	

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**Summary of Total Metals in Soil
Caemmerer Yard West Investigation**

Table O.2-42

Location ID	E-35		E-35		E-37	
Sample ID	E-35-LIRR-6-8		E-35-LIRR-10-12		E-37-LIRR-2-4	
Depth	6-8		10-12		2-4	
Dilution Factor	1.0		1.0		1.0	
Sample Date	10/1/2004		10/1/2004		9/30/2004	
Unit	mg/Kg		mg/Kg		mg/Kg	
ALUMINUM (FUME OR DUST)	6000		7290		1040	
ANTIMONY	4.79	J	2.22	J	0.592	U
ARSENIC	65.8		19.5		0.921	J
BARIUM	352		94.7		7.17	J
BERYLLIUM	0.328	J	0.292	J	0.086	J
CADMIUM	0.059	U	0.062	U	0.048	U
CALCIUM METAL	5590		9720		3010	
CHROMIUM-TOTAL RECOVERABLE	219		36.1		2.32	
COBALT	7.64		10.1		1.1	J
COPPER	956		190		10.5	
IRON	21100		26300		3170	
LEAD	1480		174		2.99	
MAGNESIUM	2260		4840		915	
MANGANESE	192		366		180	
NICKEL	37.7		34.6		3.29	J
POTASSIUM	1420		2070		115	J
SELENIUM	1.79		1.07	J	0.601	J
SILVER	0.134	U	0.141	U	3.72	
SODIUM	549	J	519	J	105	J
THALLIUM	0.421	U	0.442	U	0.347	U
VANADIUM (FUME OR DUST)	17.5		24.5		3.52	J
ZINC	571		304		8.74	
MERCURY	2.5	D	1.2	D	0.013	

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**Summary of Total Metals in Soil
Caemmerer Yard West Investigation**

Table O.2-42

Location ID	E-37		E-37		E-37	
Sample ID	E-37-LIRR-6-8		E-37-LIRR-16-18		E-37-LIRR-20-22	
Depth	6-8		16-18		20-22	
Dilution Factor	1.0		1.0		1.0	
Sample Date	9/29/2004		9/30/2004		9/30/2004	
Unit	mg/Kg		mg/Kg		mg/Kg	
ALUMINUM (FUME OR DUST)	4390		9420		6410	
ANTIMONY	3.37	J	0.654	U	0.672	U
ARSENIC	7.22		1.77		2.98	
BARIUM	105		80		78.2	
BERYLLIUM	0.307	J	0.571	J	0.311	J
CADMIUM	0.052	U	0.053	U	0.055	U
CALCIUM METAL	6400		1390		4840	
CHROMIUM-TOTAL RECOVERABLE	28.3		35.3		22.6	
COBALT	5.06	J	5.72	J	5.31	J
COPPER	159		17.8		21.6	
IRON	13500		14400		11900	
LEAD	304		9.21		137	
MAGNESIUM	2370		3280		2780	
MANGANESE	654		390		259	
NICKEL	18.2		12.5		14.1	
POTASSIUM	720		2610		1470	
SELENIUM	1.64		1.19		1.14	J
SILVER	0.119	U	0.122	U	0.125	U
SODIUM	282	J	741		488	J
THALLIUM	0.373	U	0.383	U	0.394	U
VANADIUM (FUME OR DUST)	14.1		24		16.3	
ZINC	310		34.8		66.4	
MERCURY	1	D	0.054		2.5	D

Notes:

mg/kg - milligrams per kilogram

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**Summary of Total Metals in Soil
Caemmerer Yard West Investigation**

Table O.2-42

Location ID	E-50		E-50		E-50	
Sample ID	E-50-LIRR-2-4		DUP-S-09-23-04		E-50-LIRR-4-6	
Depth	2-4		2-4		4-6	
Dilution Factor	1.0		1.0		1.0	
Sample Date	9/23/2004		9/23/2004		9/23/2004	
Unit	mg/Kg		mg/Kg		mg/Kg	
ALUMINUM (FUME OR DUST)	703		872		1540	
ANTIMONY	0.582	U	0.585	U	0.613	J
ARSENIC	7.56		0.867	J	2.88	
BARIUM	3.8	J	4.85	J	30.1	
BERYLLIUM	0.06	J	0.061	J	0.13	J
CADMIUM	0.048	U	0.048	U	0.049	U
CALCIUM METAL	180	J	449	J	1830	
CHROMIUM-TOTAL RECOVERABLE	1.83		1.57		3.51	
COBALT	0.753	J	0.901	J	1.87	J
COPPER	4.07		3.88		25.6	
IRON	1610		1790		4690	
LEAD	2.4		3.04		49.2	
MAGNESIUM	251	J	321	J	650	
MANGANESE	49.7		87		96.7	
NICKEL	1.16	J	1.48	J	3.42	J
POTASSIUM	82.9	J	78.5	J	386	J
SELENIUM	0.324	U	0.325	U	1.08	
SILVER	0.109	U	0.109	U	0.111	U
SODIUM	38.4	U	38.6	U	39.2	U
THALLIUM	0.341	U	0.343	U	0.439	J
VANADIUM (FUME OR DUST)	2.2	J	1.98	J	5.44	
ZINC	5.47		6.1		36.1	
MERCURY	0	U	0	U	0.48	

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**Summary of Total Metals in Soil
Caemmerer Yard West Investigation**

Table O.2-42

Location ID	E-50		E-50		E-51	
Sample ID	E-50-LIRR-10-12		E-50-LIRR-24-26		E-51-LIRR-2-3	
Depth	10-12		24-26		2-3	
Dilution Factor	1.0		1.0		1.0	
Sample Date	9/23/2004		9/23/2004		9/23/2004	
Unit	mg/Kg		mg/Kg		mg/Kg	
ALUMINUM (FUME OR DUST)	8220		9360		2280	
ANTIMONY	0.708	U	0.87	U	0.589	U
ARSENIC	15.6		8.88		3.94	
BARIUM	91.2		78.9		15.3	J
BERYLLIUM	0.542	J	0.505	J	0.12	J
CADMIUM	0.058	U	0.071	U	0.048	U
CALCIUM METAL	39400		8180		4520	
CHROMIUM-TOTAL RECOVERABLE	14.5		18.6		8.49	
COBALT	5.68	J	8.2		2.05	J
COPPER	26.2		43.9		11.7	
IRON	12700		19500		4730	
LEAD	71.8		237		4.79	
MAGNESIUM	4310		4750		1370	
MANGANESE	329		507		151	
NICKEL	11.9		17.7		18.3	
POTASSIUM	1650		2250		301	J
SELENIUM	0.394	U	0.484	U	0.327	U
SILVER	0.691	J	0.162	U	0.11	U
SODIUM	1030		3260		49.5	J
THALLIUM	0.415	U	0.51	U	0.345	U
VANADIUM (FUME OR DUST)	19.6		24.5		6.46	
ZINC	45.2		88		9.78	
MERCURY	0.05		0.18		0.01	

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**Summary of Total Metals in Soil
Caemmerer Yard West Investigation**

Table O.2-42

Location ID	E-51		E-51		E-51	
Sample ID	E-51-LIRR-4-6		E-51-LIRR-7-8		E-51-LIRR-16-19	
Depth	4-6		7-8		16-19	
Dilution Factor	1.0		1.0		1.0	
Sample Date	9/23/2004		9/23/2004		9/23/2004	
Unit	mg/Kg		mg/Kg		mg/Kg	
ALUMINUM (FUME OR DUST)	3680		5260		10400	
ANTIMONY	0.625	U	0.652	U	0.917	U
ARSENIC	5.83		4.86		10.7	
BARIUM	48.4		69.2		39.6	
BERYLLIUM	0.226	J	0.295	J	0.583	J
CADMIUM	0.051	U	0.053	U	0.075	U
CALCIUM METAL	7230		20800		5140	
CHROMIUM-TOTAL RECOVERABLE	11.6		14		20.7	
COBALT	3.74	J	5.57	J	9.29	
COPPER	37.8		47.9		15.5	
IRON	8930		11200		22300	
LEAD	74		84.6		25.4	
MAGNESIUM	2340		2660		5570	
MANGANESE	181		211		841	
NICKEL	43.6		10.5		20.4	
POTASSIUM	969		1290		2390	
SELENIUM	0.347	U	0.363	U	0.51	U
SILVER	0.117	U	0.122	U	0.171	U
SODIUM	73.4	J	117	J	2500	
THALLIUM	0.366	U	0.382	U	0.537	U
VANADIUM (FUME OR DUST)	10.7		15.2		26.8	
ZINC	64.2		62.4		61.7	
MERCURY	0	U	0.3		0.15	

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**Summary of Total Metals in Soil
Caemmerer Yard West Investigation**

Table O.2-42

Location ID	E-63		E-63		E-63	
Sample ID	E-63-LIRR-0-2		E-63-LIRR-2-4		E-63-LIRR-14-16	
Depth	0-2		2-4		14-16	
Dilution Factor	1.0		1.0		1.0	
Sample Date	9/4/2004		9/5/2004		9/8/2004	
Unit	mg/Kg		mg/Kg		mg/Kg	
ALUMINUM (FUME OR DUST)	1380		4440		7360	
ANTIMONY	0.627	UN	0.643	UN	0.68	U
ARSENIC	0.32	J	3.21		1	
BARIUM	15.9	JN	70.9	N	78.7	
BERYLLIUM	0.164	JN	0.437	JN	0.37	
CADMIUM	0.051	U	0.763		0.06	U
CALCIUM METAL	7610		12100		6100	
CHROMIUM-TOTAL RECOVERABLE	2.42		7.55		14.5	
COBALT	0.924	JN	4.66	JN	6.3	
COPPER	6.46	N	97.1	N	21	
IRON	2520		11600		13000	
LEAD	28.1	N	184	N	105	
MAGNESIUM	1820		1750		3730	
MANGANESE	71.4		232		344	
NICKEL	2.62	JN	9.3	N	14.1	
POTASSIUM	258	JN	984	N	1920	
SELENIUM	0.348	UN	1.15	N	0.65	
SILVER	0.117	U	0.629	J	0.13	U
SODIUM	45.3	J	195	J	106	
THALLIUM	0.367	U	0.377	U	0.4	U
VANADIUM (FUME OR DUST)	3.39	JN	13.9	N	19.2	
ZINC	14.5		94.6		54	
MERCURY	0.08		0.37		0.67	D

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**Summary of Total Metals in Soil
Caemmerer Yard West Investigation**

Table O.2-42

Location ID	E-63		E-63		E-64	
Sample ID	E-63-LIRR-18-20		E-63-LIRR-20-22		E-64-LIRR-1-2	
Depth	18-20		20-22		1-2	
Dilution Factor	1.0		1.0		1.0	
Sample Date	9/8/2004		9/8/2004		9/8/2004	
Unit	mg/Kg		mg/Kg		mg/Kg	
ALUMINUM (FUME OR DUST)	7480		5000		4380	
ANTIMONY	0.67	U	0.69	U	0.563	UN
ARSENIC	1.2		4.8		2.03	
BARIUM	86.1		82.8		35.7	
BERYLLIUM	0.34		0.24		0.271	JN
CADMIUM	0.06	U	0.06	U	0.298	J
CALCIUM METAL	3380		7270		42900	
CHROMIUM-TOTAL RECOVERABLE	12.8		19.1		6.88	
COBALT	6.3		5.1		11.9	
COPPER	14.5		31.1		15.6	
IRON	11300		10700		4870	
LEAD	32.3		85.2		12	
MAGNESIUM	3210		2830		5020	
MANGANESE	265		305		96.9	
NICKEL	11.6		10.7		6.03	
POTASSIUM	1990		1590		700	
SELENIUM	0.54		0.55		0.313	UN
SILVER	0.13	U	0.13	U	0.916	J
SODIUM	182		486		279	J
THALLIUM	0.4	U	0.4	U	0.33	U
VANADIUM (FUME OR DUST)	19.9		14.4		13.1	
ZINC	41		75.3		27.1	
MERCURY	0.07		0.15		0.03	

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**Summary of Total Metals in Soil
Caemmerer Yard West Investigation**

Table O.2-42

Location ID	E-64		E-64		E-64	
Sample ID	E-64-LIRR-4-6		E-64-LIRR-4-6-A		E-64-LIRR-10-12-A	
Depth	4-6		4-6		10-12	
Dilution Factor	1.0		1.0		1.0	
Sample Date	9/8/2004		9/18/2004		9/18/2004	
Unit	mg/Kg		mg/Kg		mg/Kg	
ALUMINUM (FUME OR DUST)	2700		4610		4260	
ANTIMONY	0.823	JN	0.689	UN	0.668	UN
ARSENIC	1.17		1.31		3.6	
BARIUM	51.9		37.2		75.8	
BERYLLIUM	0.256	JN	0.258	J	0.198	J
CADMIUM	0.128	J	0.056	U	0.055	U
CALCIUM METAL	2140		47800		14700	
CHROMIUM-TOTAL RECOVERABLE	5.22		33.9	N	13.7	N
COBALT	2.77	J	2.84	J	3.45	J
COPPER	15.6		8.46		18.7	
IRON	5770		5360		8640	
LEAD	43.5		33	N	175	N
MAGNESIUM	1040		3510		1890	
MANGANESE	228		134		215	
NICKEL	5.52		14.1		8.64	
POTASSIUM	584		631	N	922	N
SELENIUM	0.642	JN	0.383	U	0.861	J
SILVER	0.104	U	0.129	UN	0.125	UN
SODIUM	50.9	J	140	J	123	J
THALLIUM	0.327	U	0.404	U	0.392	U
VANADIUM (FUME OR DUST)	7.03		13.1	N	11.2	N
ZINC	27.5		18.5	N	36.2	N
MERCURY	0.25		0.11		0.68	D

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**Summary of Total Metals in Soil
Caemmerer Yard West Investigation**

Table O.2-42

Location ID	SB-E-08		SB-E-08		SB-E-10	
Sample ID	SB-E-08-LIRR-6-9		SB-E-08-LIRR-15-17		SB-E-10-NYDOS-2-4	
Depth	6-9		15-17		2-4	
Dilution Factor	1.0		1.0		1.0	
Sample Date	9/20/2004		9/20/2004		9/17/2004	
Unit	mg/Kg		mg/Kg		mg/Kg	
ALUMINUM (FUME OR DUST)	7400		5780		5330	
ANTIMONY	0.654	U	0.7	U	0.781	JN
ARSENIC	21.8		0.563	J	5.04	
BARIUM	76.9		87.1		77.6	
BERYLLIUM	0.229	J	0.271	J	0.314	J
CADMIUM	0.053	U	0.057	U	0.052	U
CALCIUM METAL	2950		1020		15800	
CHROMIUM-TOTAL RECOVERABLE	15.4		10.2		12.1	
COBALT	5.12	J	3.36	J	6.04	
COPPER	19.2		6.83		50.6	N
IRON	16000		6010		11100	
LEAD	787		268		132	N
MAGNESIUM	2850		1260		3940	
MANGANESE	136		44.1		168	
NICKEL	13.4		8.15		14	
POTASSIUM	2010		611	J	1000	
SELENIUM	1.29		0.389	U	0.579	J
SILVER	0.122	U	0.131	U	0.118	U
SODIUM	78.7	J	526	J	350	J
THALLIUM	0.383	U	0.41	U	0.37	U
VANADIUM (FUME OR DUST)	18.7		12.6		18.4	N
ZINC	43.2		19.9		64.1	
MERCURY	0.26		0.03		0.57	D

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**Summary of Total Metals in Soil
Caemmerer Yard West Investigation**

Table O.2-42

Location ID	SB-E-10		SB-E-10		SB-U-2	
Sample ID	SB-E-10-NYDOS-12-14		SB-E-10-NYDOS-20-22		SB-U-2-DOS-2-3	
Depth	12-14		20-22		2-3	
Dilution Factor	1.0		1.0		1.0	
Sample Date	9/17/2004		9/12/2004		9/11/2004	
Unit	mg/Kg		mg/Kg		mg/Kg	
ALUMINUM (FUME OR DUST)	7190		10300		7080	
ANTIMONY	0.681	UN	0.794	UN	0.984	J
ARSENIC	12.9		6.74		6.57	
BARIUM	104		37		121	
BERYLLIUM	0.365	J	0.508	J	0.471	J
CADMIUM	0.056	U	0.065	U	0.051	U
CALCIUM METAL	7830		3120		21900	
CHROMIUM-TOTAL RECOVERABLE	14.4		18.6		26.7	
COBALT	5.36	J	8.67		7.39	
COPPER	59.8	N	18.5	N	70.7	
IRON	14400		20500		17400	
LEAD	107	N	28.6	N	313	
MAGNESIUM	2450		4700		5800	
MANGANESE	415		687		376	
NICKEL	10.5		18.5		38.2	
POTASSIUM	1160		2000		1350	
SELENIUM	0.379	U	2.09		0.998	J
SILVER	0.127	U	0.148	U	0.117	U
SODIUM	208	J	1900		278	J
THALLIUM	0.399	U	0.563	J	0.368	U
VANADIUM (FUME OR DUST)	17.4	N	25.1	N	24.8	
ZINC	33.7		45.9		139	
MERCURY	0.21		0.11		1.5	D

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**Summary of Total Metals in Soil
Caemmerer Yard West Investigation**

Table O.2-42

Location ID	SB-U-2		SB-U-2		E-1	
Sample ID	SB-U-2-DOS-3-5		SB-U-2-DOS-12-15		E-1-DOS-2-4	
Depth	3-5		12-15		2-4	
Dilution Factor	1.0		1.0		1.0	
Sample Date	9/11/2004		9/11/2004		9/13/2004	
Unit	mg/Kg		mg/Kg		mg/Kg	
ALUMINUM (FUME OR DUST)	6340		12600		5430	
ANTIMONY	0.943	J	3.44	J	1.22	JN
ARSENIC	7.85		25		7.8	
BARIUM	79.6		359		118	
BERYLLIUM	0.31	J	1.69		0.353	J
CADMIUM	0.055	U	19		0.052	U
CALCIUM METAL	6630		44500		23000	
CHROMIUM-TOTAL RECOVERABLE	17.5		26.3		13.4	
COBALT	6.37		10.1		5.59	J
COPPER	73.1		944		87.1	N
IRON	15600		25100		14100	
LEAD	197		889		348	N
MAGNESIUM	2680		6680		4670	
MANGANESE	285		497		267	
NICKEL	15.3		16.9		14.7	
POTASSIUM	1090		2130		1320	
SELENIUM	0.799	J	2.29		1.34	
SILVER	0.125	U	0.17	U	0.12	U
SODIUM	222	J	3780		487	J
THALLIUM	0.392	U	0.533	U	0.376	U
VANADIUM (FUME OR DUST)	17.4		21.7		22.8	N
ZINC	184		10700	D	220	
MERCURY	1.5	D	0.33	U	1.1	UND

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**Summary of Total Metals in Soil
Caemmerer Yard West Investigation**

Table O.2-42

Location ID	E-1		E-1		E-1	
Sample ID	E-1-DOS-4-6		E-1-DOS-6-8		E-1-DOS-10-12	
Depth	4-6		6-8		10-12	
Dilution Factor	1.0		1.0		1.0	
Sample Date	9/13/2004		9/13/2004		9/13/2004	
Unit	mg/Kg		mg/Kg		mg/Kg	
ALUMINUM (FUME OR DUST)	5260		6700		15600	
ANTIMONY	0.988	JN	0.677	UN	0.67	UN
ARSENIC	5.75		10.5		20.2	
BARIUM	85		62.4		220	
BERYLLIUM	0.355	J	0.588	J	3.9	
CADMIUM	0.053	U	0.055	U	0.055	U
CALCIUM METAL	5700		19500		89000	D
CHROMIUM-TOTAL RECOVERABLE	22.5		11		2.45	
COBALT	5.77	J	5.3	J	2.49	J
COPPER	81.1	N	31.5	N	24.1	N
IRON	13500		12200		3050	
LEAD	223	N	57	N	59.5	N
MAGNESIUM	2240		4250		10700	
MANGANESE	324		360		387	
NICKEL	18.8		10.9		2.06	J
POTASSIUM	931		1610		1870	
SELENIUM	1.18		0.966	J	1.53	
SILVER	0.122	U	0.126	U	0.125	U
SODIUM	459	J	481	J	991	
THALLIUM	0.383	U	0.397	U	0.393	U
VANADIUM (FUME OR DUST)	16.4	N	14.7	N	6.13	N
ZINC	137		40.9		69	
MERCURY	0.62	ND	0.24	UN	0.24	UN

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**Summary of Total Metals in Soil
Caemmerer Yard West Investigation**

Table O.2-42

Location ID	E-1		E-1		E-2	
Sample ID	E-1-DOS-18-20		E-1-DOS-34-36		E-2-DOS-1-2	
Depth	18-20		34-36		1-2	
Dilution Factor	1.0		1.0		1.0	
Sample Date	9/13/2004		9/14/2004		9/11/2004	
Unit	mg/Kg		mg/Kg		mg/Kg	
ALUMINUM (FUME OR DUST)	12000		16600		6860	
ANTIMONY	0.668	UN	0.867	U	0.882	J
ARSENIC	15.7		11.9		12.8	
BARIUM	124		54.2		113	
BERYLLIUM	2.55		0.818		0.66	
CADMIUM	0.055	U	0.071	U	0.051	U
CALCIUM METAL	52600		4050		29300	
CHROMIUM-TOTAL RECOVERABLE	8.44		29.9		13.3	
COBALT	3.77	J	12.9		6.24	
COPPER	29.4	N	33.3		387	
IRON	6560		35500		18200	
LEAD	210	N	81.4		235	
MAGNESIUM	7360		7640		9120	
MANGANESE	275		1510		273	
NICKEL	6.52		29		17.2	
POTASSIUM	1300		3310		1710	
SELENIUM	0.876	J	2.71		1.36	
SILVER	0.125	U	0.162	U	0.117	U
SODIUM	688		4480		453	J
THALLIUM	0.391	U	0.508	U	1.54	
VANADIUM (FUME OR DUST)	10.1	N	37.3		20.7	
ZINC	107		89.7		141	
MERCURY	0.24	UN	1	D	0.79	D

Notes:

mg/kg - milligrams per kilogram

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**Summary of Total Metals in Soil
Caemmerer Yard West Investigation**

Table O.2-42

Location ID	E-2		E-2		E-3	
Sample ID	E-2-DOS-5-7		E-2-DOS-23-27		E-3-NYDOS-4-6	
Depth	5-7		23-27		4-6	
Dilution Factor	1.0		1.0		1.0	
Sample Date	9/11/2004		9/11/2004		9/12/2004	
Unit	mg/Kg		mg/Kg		mg/Kg	
ALUMINUM (FUME OR DUST)	5050		8420		4080	
ANTIMONY	4.35	J	0.692	U	1.77	J
ARSENIC	36.3		12.2		6.68	
BARIUM	98.4		101		113	
BERYLLIUM	0.513	J	1.38		0.277	J
CADMIUM	0.053	U	0.057	U	0.056	U
CALCIUM METAL	26200		37900		21900	
CHROMIUM-TOTAL RECOVERABLE	10.3		10.4		15.7	
COBALT	12.5		4.28	J	5.27	J
COPPER	5720	D	78.3		368	
IRON	40700		11500		11500	
LEAD	469		571		264	
MAGNESIUM	5240		4580		2720	
MANGANESE	478		381		177	
NICKEL	15.5		8.37		14.2	
POTASSIUM	1070		1140		1070	
SELENIUM	2.13		1.28		0.885	J
SILVER	2.3		0.129	U	0.128	U
SODIUM	285	J	691		270	J
THALLIUM	0.382	U	0.405	U	0.401	U
VANADIUM (FUME OR DUST)	15.8		13.5		16.4	
ZINC	454		131		319	
MERCURY	0.48		0.24	U	0.38	

Notes:

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**Summary of Total Metals in Soil
Caemmerer Yard West Investigation**

Table O.2-42

Location ID	E-3		E-3		E-3	
Sample ID	E-3-NYDOS-6-8		E-3-NYDOS12-14		E-3-NYDOS-26-28	
Depth	6-8		12-14		26-28	
Dilution Factor	1.0		1.0		1.0	
Sample Date	9/12/2004		9/12/2004		9/12/2004	
Unit	mg/Kg		mg/Kg		mg/Kg	
ALUMINUM (FUME OR DUST)	6860		5940		13400	
ANTIMONY	1.59	J	0.708	U	1.9	J
ARSENIC	6.19		6.88		23.6	
BARIUM	162		82.8		140	
BERYLLIUM	0.367	J	0.333	J	0.707	J
CADMIUM	0.055	U	0.058	U	0.078	U
CALCIUM METAL	18000		29700		6080	
CHROMIUM-TOTAL RECOVERABLE	21.9		9.96		43.7	
COBALT	6.63		5.12	J	10.7	
COPPER	23.9		16.3		84.4	
IRON	13100		9770		25500	
LEAD	967		220		314	
MAGNESIUM	3180		3270		6100	
MANGANESE	1280		506		669	
NICKEL	13.7		10.8		25.3	
POTASSIUM	2260		923		2750	
SELENIUM	0.692	J	1.06	J	0.751	J
SILVER	0.126	U	0.132	U	0.177	U
SODIUM	529	J	424	J	2570	
THALLIUM	0.396	U	0.415	U	0.556	U
VANADIUM (FUME OR DUST)	25.2		14		33.4	
ZINC	62		215		225	
MERCURY	0.29		0.27		3.6	D

Notes:

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**Summary of Total Metals in Soil
Caemmerer Yard West Investigation**

Table O.2-42

Location ID	E-5		E-5		E-5	
Sample ID	E-5-DOS-4-5		E-5-DOS-7-9		E-5-DOS-12-14	
Depth	4-5		7-9		12-14	
Dilution Factor	1.0		1.0		1.0	
Sample Date	9/17/2004		9/17/2004		9/17/2004	
Unit	mg/Kg		mg/Kg		mg/Kg	
ALUMINUM (FUME OR DUST)	7630		5170		13000	
ANTIMONY	0.716	UN	0.838	UN	0.742	UN
ARSENIC	12.8		15.8		2.37	
BARIUM	236		180		63	
BERYLLIUM	0.462	J	0.274	J	0.611	J
CADMIUM	0.059	U	0.068	U	0.061	U
CALCIUM METAL	18800		4410		2150	
CHROMIUM-TOTAL RECOVERABLE	26.4	N	11.7	N	25.2	N
COBALT	8.72		8.09		9.46	
COPPER	174		118		26.2	
IRON	14400		15000		19400	
LEAD	396	N	3200	N	96.7	N
MAGNESIUM	3600		1250		4650	
MANGANESE	300		86.4		268	
NICKEL	20		13.6		23.6	
POTASSIUM	1850	N	833	N	2600	N
SELENIUM	1.44		2.45		0.611	J
SILVER	0.338	JN	0.156	UN	0.138	UN
SODIUM	834		529	J	739	
THALLIUM	0.42	U	0.491	U	0.435	U
VANADIUM (FUME OR DUST)	30.8	N	21.1	N	28.6	N
ZINC	275	N	224	N	47.6	N
MERCURY	1.1	D	0.79	D	0.02	

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**Summary of Total Metals in Soil
Caemmerer Yard West Investigation**

Table O.2-42

Location ID	E-5		E-6		E-6	
Sample ID	E-5-DOS-16-18		E-6-NYDOS-2-3		E-6-NYDOS-4-6	
Depth	16-18		2-3		4-6	
Dilution Factor	1.0		1.0		1.0	
Sample Date	9/17/2004		9/17/2004		9/15/2004	
Unit	mg/Kg		mg/Kg		mg/Kg	
ALUMINUM (FUME OR DUST)	3730		6260		7220	
ANTIMONY	0.726	UN	0.808	JN	0.635	UN
ARSENIC	6.85		7.37		3.7	
BARIUM	72.6		97		79.5	
BERYLLIUM	0.198	J	0.325	J	0.303	J
CADMIUM	0.059	U	0.054	U	0.052	U
CALCIUM METAL	9580		6580		4250	
CHROMIUM-TOTAL RECOVERABLE	8.99	N	14		10.6	
COBALT	3.7	J	6.04		4.98	J
COPPER	113		62.2	N	24.8	N
IRON	8100		12900		12100	
LEAD	181	N	233	N	76.6	N
MAGNESIUM	1490		2270		2710	
MANGANESE	171		258		199	
NICKEL	9.27		12.9		13.3	
POTASSIUM	657	N	729		971	
SELENIUM	0.403	U	1.47		0.804	J
SILVER	0.135	UN	0.123	U	0.118	U
SODIUM	441	J	219	J	107	J
THALLIUM	0.425	U	0.387	U	0.372	U
VANADIUM (FUME OR DUST)	10.9	N	17.4	N	16.2	N
ZINC	75.5	N	118		63.7	
MERCURY	0.38		0.9	D	0.17	

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**Summary of Total Metals in Soil
Caemmerer Yard West Investigation**

Table O.2-42

Location ID	E-6		E-6		E-8	
Sample ID	E-6-NYDOS-6-7		E-6-NYDOS-17-19		E-8-NYDOS-4-5	
Depth	6-7		17-19		4-5	
Dilution Factor	1.0		1.0		1.0	
Sample Date	9/17/2004		9/17/2004		9/13/2004	
Unit	mg/Kg		mg/Kg		mg/Kg	
ALUMINUM (FUME OR DUST)	8270		1710		8710	
ANTIMONY	0.733	UN	0.665	UN	1.18	JN
ARSENIC	0.309	U	0.493	J	9.1	
BARIUM	35.4		13.2	J	195	
BERYLLIUM	0.243	J	0.11	J	0.442	J
CADMIUM	0.06	U	0.054	U	0.055	U
CALCIUM METAL	2450		535	J	3340	
CHROMIUM-TOTAL RECOVERABLE	8.46		4.96		15.2	
COBALT	2.83	J	2.5	J	9.34	
COPPER	5.83	N	6.23	N	130	N
IRON	9070		3980		14900	
LEAD	13.1	N	3.36	N	632	N
MAGNESIUM	2370		1140		3300	
MANGANESE	147		39.5		391	
NICKEL	9.81		4.85		15.3	
POTASSIUM	605	J	411	J	2210	
SELENIUM	0.824	J	0.37	U	1.35	
SILVER	0.137	U	0.124	U	0.92	J
SODIUM	53	J	158	J	306	J
THALLIUM	0.43	U	0.39	U	0.396	U
VANADIUM (FUME OR DUST)	12.4	N	5.93	N	24.1	N
ZINC	24		6.65		193	
MERCURY	0.05		0		1.2	UND

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**Summary of Total Metals in Soil
Caemmerer Yard West Investigation**

Table O.2-42

Location ID	E-8		E-8		E-8	
Sample ID	E-8-NYDOS-6-8		E-8-NYDOS-14-16		E-8-NYDOS-28-30	
Depth	6-8		14-16		28-30	
Dilution Factor	1.0		1.0		1.0	
Sample Date	9/13/2004		9/13/2004		9/13/2004	
Unit	mg/Kg		mg/Kg		mg/Kg	
ALUMINUM (FUME OR DUST)	7150		7290		10200	
ANTIMONY	0.634	UN	0.695	UN	0.845	UN
ARSENIC	2.52		3.59		8.71	
BARIIUM	60.3		51.4		25.2	J
BERYLLIUM	0.325	J	0.295	J	0.538	J
CADMIUM	0.052	U	0.057	U	0.069	U
CALCIUM METAL	1520		1850		17300	
CHROMIUM-TOTAL RECOVERABLE	11.4		11.9		21.5	
COBALT	5.79		5.17	J	9.06	
COPPER	17.5	N	15.3	N	13.7	N
IRON	11200		13300		23600	
LEAD	49	N	39.3	N	10.4	N
MAGNESIUM	2170		2590		6170	
MANGANESE	237		197		765	
NICKEL	12.3		11.8		20.8	
POTASSIUM	762		793		2850	
SELENIUM	0.524	J	0.386	U	1.39	J
SILVER	0.118	U	0.13	U	1.49	J
SODIUM	127	J	61.7	J	3120	
THALLIUM	0.372	U	0.407	U	0.495	U
VANADIUM (FUME OR DUST)	14.6	N	14.9	N	26.3	N
ZINC	83.1		42.7		52.6	
MERCURY	0.22	UN	0.24	UN	0.3	UN

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**Summary of Total Metals in Soil
Caemmerer Yard West Investigation**

Table O.2-42

Location ID	E-16		E-16		E-16	
Sample ID	E-16-NYDOS-0-2		E-16-NYDOS-2-3		E-16-NYDOS-6.5-7.5	
Depth	0-2		2-3		6.5-7.5	
Dilution Factor	1.0		1.0		1.0	
Sample Date	9/12/2004		9/12/2004		9/12/2004	
Unit	mg/Kg		mg/Kg		mg/Kg	
ALUMINIUM (FUME OR DUST)	6510		3960		6600	
ANTIMONY	2.73	J	3.45	J	0.905	J
ARSENIC	11.8		11.1		3.88	
BARIUM	110		106		69.6	
BERYLLIUM	0.699		0.301	J	0.374	J
CADMIUM	0.056	U	0.053	U	0.053	U
CALCIUM METAL	25100		28000		9750	
CHROMIUM-TOTAL RECOVERABLE	57.9		11.3		13.5	
COBALT	7.48		5.04	J	5.66	J
COPPER	80.3		168		27.5	
IRON	15500		15800		10800	
LEAD	288		448		148	
MAGNESIUM	5740		5970		3060	
MANGANESE	259		250		342	
NICKEL	20.5		14.1		16	
POTASSIUM	1970		872		1310	
SELENIUM	0.826	J	1.06	J	0.594	J
SILVER	0.127	U	0.121	U	0.12	U
SODIUM	343	J	311	J	145	J
THALLIUM	0.399	U	0.381	U	0.377	U
VANADIUM (FUME OR DUST)	25		22.4		17.6	
ZINC	283		452		80.5	
MERCURY	0.66	D	3.8	D	0.42	

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**Summary of Total Metals in Soil
Caemmerer Yard West Investigation**

Table O.2-42

Location ID	E-16		E-16		E-16	
Sample ID	E-16-NYDOS-12-14		E-16-NYDOS-16-18		E-16-NYDOS-20-22	
Depth	12-14		16-18		20-22	
Dilution Factor	1.0		1.0		1.0	
Sample Date	9/12/2004		9/12/2004		9/12/2004	
Unit	mg/Kg		mg/Kg		mg/Kg	
ALUMINUM (FUME OR DUST)	8160		7740		5610	
ANTIMONY	0.718	J	0.676	U	0.69	U
ARSENIC	4.8		3.44		3.69	
BARIUM	117		55.9		81.4	
BERYLLIUM	0.385	J	0.337	J	0.351	J
CADMIUM	0.056	U	0.055	U	0.056	U
CALCIUM METAL	13600		2960		6780	
CHROMIUM-TOTAL RECOVERABLE	15.7		12.5		21	
COBALT	6.68		5.91	J	5.84	J
COPPER	40		21.7		71.7	
IRON	15800		12900		16000	
LEAD	151		153		63.6	
MAGNESIUM	3780		3140		2720	
MANGANESE	286		203		283	
NICKEL	13.4		12.8		26.7	
POTASSIUM	2640		1050		1650	
SELENIUM	1.18	J	0.591	J	1.27	
SILVER	0.127	U	0.126	U	0.129	U
SODIUM	267	J	138	J	260	J
THALLIUM	0.4	U	0.463	J	0.404	U
VANADIUM (FUME OR DUST)	25.6		16.3		18.9	
ZINC	82		50.8		96	
MERCURY	0.41		0.38		0.24	U

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**Summary of Total Metals in Soil
Caemmerer Yard West Investigation**

Table O.2-42

Location ID	E-17		E-17		E-17	
Sample ID	E-17-DOS-2-3		E-17-DOS-7-9		E-17-DOS-13-16	
Depth	2-3		7-9		13-16	
Dilution Factor	1.0		1.0		1.0	
Sample Date	9/10/2004		9/10/2004		9/10/2004	
Unit	mg/Kg		mg/Kg		mg/Kg	
ALUMINUM (FUME OR DUST)	8950		6920		8530	
ANTIMONY	0.633	U	0.895	J	0.68	U
ARSENIC	10.2		5.14		8.65	
BARIUM	136		77.1		134	
BERYLLIUM	1.36		0.3	J	0.609	
CADMIUM	0.052	U	0.054	U	0.056	U
CALCIUM METAL	31600		6610		22500	
CHROMIUM-TOTAL RECOVERABLE	15.3		16		13.2	
COBALT	5.59	J	7.59		8.81	
COPPER	85.9		39.9		32.9	
IRON	13900		16800		20500	
LEAD	212		88.6		233	
MAGNESIUM	5610		2940		4430	
MANGANESE	305		266		342	
NICKEL	14.1		16.2		14.6	
POTASSIUM	2090		1740		3370	
SELENIUM	1.3		1.07	J	4.02	
SILVER	0.118	U	0.123	U	0.127	U
SODIUM	1140		340	J	430	J
THALLIUM	0.371	U	0.387	U	0.399	U
VANADIUM (FUME OR DUST)	18.8		18.8		21.2	
ZINC	149		54.1		98.3	
MERCURY	0.22	U	0.28		0.23	U

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**Summary of Total Metals in Soil
Caemmerer Yard West Investigation**

Table O.2-42

Location ID	E-10		E-10A		E-10A	
Sample ID	E-10-SW-2-3		E-10A-SW-2-4		E-10A-SW-5-9	
Depth	2-3		2-4		5-9	
Dilution Factor	1.0		1.0		1.0	
Sample Date	9/28/2004		9/30/2004		9/30/2004	
Unit	mg/Kg		mg/Kg		mg/Kg	
ALUMINUM (FUME OR DUST)	7400		2110		2050	
ANTIMONY	1.23	J	0.572	U	0.588	U
ARSENIC	4.32		1.02		1.8	
BARIUM	101		17.9	J	24.8	
BERYLLIUM	0.405	J	0.177	J	0.165	J
CADMIUM	0.051	U	0.047	U	0.048	U
CALCIUM METAL	5460		547		3700	
CHROMIUM-TOTAL RECOVERABLE	17.2		4.82		9.35	
COBALT	8.43		3.4	J	2.81	J
COPPER	69		7.53		21.9	
IRON	14900		8370		7510	
LEAD	188		4.08		39.1	
MAGNESIUM	2530		920		1520	
MANGANESE	282		134		140	
NICKEL	15.1		12.5		9.89	
POTASSIUM	1330		429	J	556	
SELENIUM	1.06	J	0.531	J	0.454	J
SILVER	0.117	U	0.107	U	0.11	U
SODIUM	221	J	60.5	J	201	J
THALLIUM	0.368	U	0.335	U	0.345	U
VANADIUM (FUME OR DUST)	23.4		6.34		6.51	
ZINC	88.3		10.9		85.9	
MERCURY	0.49	N	0.038		0.049	

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**Summary of Total Metals in Soil
Caemmerer Yard West Investigation**

Table O.2-42

Location ID	E-15		E-15		E-15	
Sample ID	E-15-SW-0-2		E-15-SW-5-6		E-15-SW-12-14	
Depth	0-2		5-6		12-14	
Dilution Factor	1.0		1.0		1.0	
Sample Date	10/1/2004		10/1/2004		10/4/2004	
Unit	mg/Kg		mg/Kg		mg/Kg	
ALUMINUM (FUME OR DUST)	3810		5440		4470	
ANTIMONY	1.67	J	3.09	J	0.639	U
ARSENIC	7.37		8.69		6.59	
BARIUM	46.4		73.1		45.1	
BERYLLIUM	0.231	J	0.457	J	0.27	J
CADMIUM	0.05	U	0.052	U	0.052	U
CALCIUM METAL	2210		4900		2660	
CHROMIUM-TOTAL RECOVERABLE	10.3		15.5		9.9	
COBALT	4.89	J	8.77		4.51	J
COPPER	67.5		105		27.6	
IRON	12400		21100		8310	
LEAD	138		222		48.9	
MAGNESIUM	1690		3230		2690	
MANGANESE	192		369		183	
NICKEL	12.9		23.2		9.92	
POTASSIUM	754		1490		1000	
SELENIUM	0.859	J	1.39		0.496	J
SILVER	0.114	U	0.119	U	0.119	U
SODIUM	62.6	J	297	J	186	J
THALLIUM	0.359	U	0.375	U	0.375	U
VANADIUM (FUME OR DUST)	13.1		21.4		12.2	
ZINC	64.8		146		30.1	
MERCURY	0.256		0.632	D	0.04	

Notes:

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**Summary of Total Metals in Soil
Caemmerer Yard West Investigation**

Table O.2-42

Location ID	E-15		E-40		E-40	
Sample ID	E-15-SW-14-17		E-40-SW-2-4		DUP-S-10-05-04	
Depth	14-17		2-4		2-4	
Dilution Factor	1.0		1.0		1.0	
Sample Date	10/4/2004		10/5/2004		10/5/2004	
Unit	mg/Kg		mg/Kg		mg/Kg	
ALUMINUM (FUME OR DUST)	7640		1430		1510	
ANTIMONY	0.69	U	0.608	U	0.59	U
ARSENIC	7.45		1.22		1.2	
BARIUM	298		11.7	J	11.3	J
BERYLLIUM	0.518	J	0.125	J	0.126	J
CADMIUM	0.056	U	0.05	U	0.048	U
CALCIUM METAL	8380		1790		2860	
CHROMIUM-TOTAL RECOVERABLE	12		4.77		3.45	
COBALT	5.45	J	1.3	J	1.46	J
COPPER	36.6		6.17		5.91	
IRON	11100		3140		3030	
LEAD	1620		23.9		17.7	
MAGNESIUM	1690		485	J	595	
MANGANESE	250		74.4		68.4	
NICKEL	12.7		2.8	J	3.08	J
POTASSIUM	876		152	J	228	J
SELENIUM	1.79		0.55	J	0.328	U
SILVER	0.129	U	0.113	U	0.11	U
SODIUM	591	J	40.1	U	79.4	J
THALLIUM	0.528	J	0.519	J	0.549	J
VANADIUM (FUME OR DUST)	19.8		5.41		4.75	J
ZINC	63.3		15.9		15.3	
MERCURY	0.287		0.042		0.033	

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**Summary of Total Metals in Soil
Caemmerer Yard West Investigation**

Table O.2-42

Location ID	E-40		E-40		E-40	
Sample ID	E-40-SW-6-8		E-40-SW-14-16		E-40-SW-20-22	
Depth	6-8		14-16		20-22	
Dilution Factor	1.0		1.0		1.0	
Sample Date	10/5/2004		10/5/2004		10/5/2004	
Unit	mg/Kg		mg/Kg		mg/Kg	
ALUMINUM (FUME OR DUST)	2810		4860		8280	
ANTIMONY	0.808	U	0.697	U	0.686	U
ARSENIC	4.76		5.19		6.36	
BARIUM	48.8		105		103	
BERYLLIUM	0.26	J	0.262	J	0.395	J
CADMIUM	0.066	U	0.057	U	0.056	U
CALCIUM METAL	16800		14400		15100	
CHROMIUM-TOTAL RECOVERABLE	8.01		10.6		14.2	
COBALT	2.92	J	5.64	J	5.38	J
COPPER	32.8		22.6		33.3	
IRON	11100		10500		13200	
LEAD	87.6		332		179	
MAGNESIUM	3220		3190		4150	
MANGANESE	124		211		326	
NICKEL	7.65		12.6		12.5	
POTASSIUM	527	J	1180	N	2040	N
SELENIUM	0.896	J	0.387	U	0.381	U
SILVER	0.398	J	0.13	UN	0.128	UN
SODIUM	411	J	545	JN	941	N
THALLIUM	0.571	J	0.408	U	0.402	U
VANADIUM (FUME OR DUST)	11.8		13.7		22.3	
ZINC	98.5		461		60.4	
MERCURY	0.269		0.161		0.552	

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**Summary of Total Metals in Soil
Caemmerer Yard West Investigation**

Table O.2-42

Location ID	E-47		E-47		E-47	
Sample ID	E-47-SW12-1-2		DUP-S-10-04-04		DUP-S-10-04-04DL	
Depth	1-2		1-2		1-2	
Dilution Factor	1.0		1.0		1.0	
Sample Date	10/4/2004		10/4/2004		10/4/2004	
Unit	mg/Kg		mg/Kg		mg/Kg	
ALUMINUM (FUME OR DUST)	7640		3970			
ANTIMONY	1.33	J	1.07	J		
ARSENIC	9.49		6.51			
BARIUM	164		136			
BERYLLIUM	0.493	J	0.253	J		
CADMIUM	0.473	J	0.051	U		
CALCIUM METAL	25600		25000			
CHROMIUM-TOTAL RECOVERABLE	14.5		10.2			
COBALT	4.39	J	3.68	J		
COPPER	73.4		49.9			
IRON	11100		10400			
LEAD	272		248			
MAGNESIUM	4840		7570			
MANGANESE	197		142			
NICKEL	10.5		8.89			
POTASSIUM	1460		966			
SELENIUM	1.72		1.2			
SILVER	0.119	U	0.117	U		
SODIUM	533	J	430	J		
THALLIUM	0.374	U	0.367	U		
VANADIUM (FUME OR DUST)	16.5		12.3			
ZINC	365		220			
MERCURY	0.072				0.709	D

Notes:

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**Summary of Total Metals in Soil
Caemmerer Yard West Investigation**

Table O.2-42

Location ID	E-47		E-61		E-61	
Sample ID	E-47-SW12-3-5		E-61-SW-2-4		E-61-SW-8-10	
Depth	3-5		2-4		8-10	
Dilution Factor	1.0		1.0		1.0	
Sample Date	10/4/2004		10/3/2004		10/3/2004	
Unit	mg/Kg		mg/Kg		mg/Kg	
ALUMINUM (FUME OR DUST)	3220		3340		3300	
ANTIMONY	0.912	J	1.02	J	2.03	J
ARSENIC	3.18		5.12		2.69	
BARIUM	58.2		70.2		70.4	
BERYLLIUM	0.143	J	0.292	J	0.562	J
CADMIUM	0.049	U	0.054	U	0.052	U
CALCIUM METAL	10200		4910		12900	
CHROMIUM-TOTAL RECOVERABLE	7.18		7.26		8.04	
COBALT	4.85	J	4.95	J	3.03	J
COPPER	66.9		56.7		27.5	
IRON	10700		11000		7840	
LEAD	147		174		154	
MAGNESIUM	2760		1110		2120	
MANGANESE	129		155		176	
NICKEL	7.07		12.4		7.58	
POTASSIUM	484	J	675		740	
SELENIUM	0.959	J	1.09	J	0.516	J
SILVER	0.113	U	0.123	U	0.119	U
SODIUM	272	J	294	J	309	J
THALLIUM	0.354	U	0.385	U	0.375	U
VANADIUM (FUME OR DUST)	20		12.9		9.58	
ZINC	122		78.1		37.9	
MERCURY	0.484		1.2	D	0.395	

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**Summary of Total Metals in Soil
Caemmerer Yard West Investigation**

Table O.2-42

Location ID	E-61		E-61		E-61	
Sample ID	E-61-SW-16-18		E-61-SW-18-20		E-61-SW-22-24	
Depth	16-18		18-20		22-24	
Dilution Factor	1.0		1.0		1.0	
Sample Date	10/4/2004		10/4/2004		10/4/2004	
Unit	mg/Kg		mg/Kg		mg/Kg	
ALUMINUM (FUME OR DUST)	6820		4780		4980	
ANTIMONY	0.683	U	0.731	U	0.649	U
ARSENIC	2.45		1.79		1.34	
BARIUM	82.2		55		63.2	
BERYLLIUM	0.296	J	0.232	J	0.277	J
CADMIUM	0.056	U	0.06	U	0.053	U
CALCIUM METAL	5680		18700		17100	
CHROMIUM-TOTAL RECOVERABLE	15.8		15.3		11.1	
COBALT	6.93		4.29	J	5.29	J
COPPER	25.9		15		13.9	
IRON	12000		8310		8020	
LEAD	122		42.8		39.1	
MAGNESIUM	3250		3720		3100	
MANGANESE	443		173		179	
NICKEL	14.9		10.1		9.84	
POTASSIUM	1550		1150		1350	
SELENIUM	1.14	J	0.5	J	0.404	J
SILVER	0.127	U	0.136	U	0.121	U
SODIUM	299	J	421	J	464	J
THALLIUM	0.4	U	0.429	U	0.38	U
VANADIUM (FUME OR DUST)	17.7		14.8		13.6	
ZINC	56.6		33.1		29.2	
MERCURY	0.296		0.194		0.049	

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**Summary of Total Metals in Soil
Caemmerer Yard West Investigation**

Table O.2-42

Location ID	E-61
Sample ID	E-61-SW-24-26
Depth	24-26
Dilution Factor	1.0
Sample Date	10/4/2004
Unit	mg/Kg
ALUMINUM (FUME OR DUST)	4190
ANTIMONY	0.793 U
ARSENIC	1.12 J
BARIUM	73.9
BERYLLIUM	0.183 J
CADMIUM	0.065 U
CALCIUM METAL	43500
CHROMIUM-TOTAL RECOVERABLE	9.19
COBALT	4.38 J
COPPER	14.4
IRON	7240
LEAD	33.2
MAGNESIUM	3060
MANGANESE	204
NICKEL	8.6
POTASSIUM	1260
SELENIUM	0.441 U
SILVER	0.148 U
SODIUM	610 J
THALLIUM	0.465 U
VANADIUM (FUME OR DUST)	11.6
ZINC	24.9
MERCURY	0.039

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**Summary of Total Metals in Soil
Caemmerer Yard West Investigation**

Table O.2-42

Location ID	E-9		E-9		E-9	
Sample ID	E-9-NYCTA-2-3		E-9-NYCTA-10-16		DUP-S-09-30-04-2	
Depth	2-3		10-16		10-16	
Dilution Factor	1.0		1.0		1.0	
Sample Date	9/28/2004		9/29/2004		9/30/2004	
Unit	mg/Kg		mg/Kg		mg/Kg	
ALUMINUM (FUME OR DUST)	6850		6890		813	
ANTIMONY	2.23	J	0.685	U	0.585	U
ARSENIC	13.5		2.42		0.516	J
BARIUM	253		87.7		6.01	J
BERYLLIUM	1.04		0.31	J	0.054	J
CADMIUM	0.055	U	0.056	U	0.048	U
CALCIUM METAL	18000		5770		3360	
CHROMIUM-TOTAL RECOVERABLE	34		10.3		1.48	
COBALT	7.17		5.08	J	0.687	J
COPPER	97.8		14.5		7.05	
IRON	22300		11700		1780	
LEAD	256		101		2.15	
MAGNESIUM	2360		2640		1150	
MANGANESE	290		222		104	
NICKEL	21.1		11.8		2.73	J
POTASSIUM	651		630		105	J
SELENIUM	1.4		1.22		0.325	U
SILVER	0.125	U	0.128	U	3.1	
SODIUM	373	J	122	J	68.9	J
THALLIUM	0.392	U	0.401	U	0.343	U
VANADIUM (FUME OR DUST)	25.5		13.7		2.09	J
ZINC	203		55.9		6.74	
MERCURY	0.33	N	0.115		0.007	J

Notes:

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**Summary of Total Metals in Soil
Caemmerer Yard West Investigation**

Table O.2-42

Location ID	E-22		E-22		E-22	
Sample ID	E-22-NYCTA-2-2.5		E-22-NYCTA-4.5-5		E-22-NYCTA-18-20	
Depth	2-2.5		4.5-5		18-20	
Dilution Factor	1.0		1.0		1.0	
Sample Date	9/24/2004		9/24/2004		9/25/2004	
Unit	mg/Kg		mg/Kg		mg/Kg	
ALUMINUM (FUME OR DUST)	3710		7420		8610	
ANTIMONY	0.614	U	0.664	U	1.24	J
ARSENIC	3.48		5.28		4.49	
BARIUM	145		112		113	
BERYLLIUM	0.207	J	0.325	J	0.35	J
CADMIUM	0.05	U	0.054	U	0.056	U
CALCIUM METAL	32200		12700		9750	
CHROMIUM-TOTAL RECOVERABLE	17.3		16.4		19.7	
COBALT	4.69	J	7.03		8.24	
COPPER	56		85.5		79.6	
IRON	15100		15300		14800	
LEAD	809		167		139	
MAGNESIUM	9780		4950		4760	
MANGANESE	189		238		193	
NICKEL	12.9		18.3		13.5	
POTASSIUM	842		1500		3240	
SELENIUM	0.341	U	0.369	U	0.378	U
SILVER	0.115	U	0.124	U	0.127	U
SODIUM	230	J	191	J	190	J
THALLIUM	0.36	U	0.626	J	0.398	U
VANADIUM (FUME OR DUST)	26		27.4		33.4	
ZINC	230		88.6		77.9	
MERCURY	0.17		0.26		0.4	

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**Summary of Total Metals in Soil
Caemmerer Yard West Investigation**

Table O.2-42

Location ID	E-22		E-13		E-13	
Sample ID	E-22-NYCTA-35-37		E-13-GH-2-3		E-13-GH-5-7	
Depth	35-37		2-3		5-7	
Dilution Factor	1.0		1.0		1.0	
Sample Date	9/25/2004		9/16/2004		9/16/2004	
Unit	mg/Kg		mg/Kg		mg/Kg	
ALUMINUM (FUME OR DUST)	2140		4430		4810	
ANTIMONY	0.735	U	1.18	JN	0.578	UN
ARSENIC	2.07		15.9		10.5	
BARIUM	10	J	99.3		44.7	
BERYLLIUM	0.152	J	0.239	J	0.223	J
CADMIUM	0.06	U	0.054	U	0.047	U
CALCIUM METAL	2300		28500		9710	
CHROMIUM-TOTAL RECOVERABLE	8.99		21.9		12.7	
COBALT	1.86	J	9.07		6.09	
COPPER	3.04	J	27.9	N	29.8	N
IRON	4800		18800		19700	
LEAD	3.44		112	N	76.9	N
MAGNESIUM	1260		2490		1400	
MANGANESE	102		171		185	
NICKEL	11.1		26.5		12.1	
POTASSIUM	643	J	1220		969	
SELENIUM	0.409	U	2.38		0.662	J
SILVER	0.137	U	0.123	U	1.49	
SODIUM	797		285	J	172	J
THALLIUM	0.54	J	0.387	U	0.339	U
VANADIUM (FUME OR DUST)	5.93	J	24.2	N	19.9	N
ZINC	11		61.5		27.6	
MERCURY	0.01		0.23		0.1	

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**Summary of Total Metals in Soil
Caemmerer Yard West Investigation**

Table O.2-42

Location ID	E-19		E-19		E-19	
Sample ID	E-19-GH-0-2		E-19-GH-2-4		E-19-GH-7-8	
Depth	0-2		2-4		7-8	
Dilution Factor	1.0		1.0		1.0	
Sample Date	9/25/2004		9/25/2004		9/25/2004	
Unit	mg/Kg		mg/Kg		mg/Kg	
ALUMINUM (FUME OR DUST)	3620		4590		2880	
ANTIMONY	0.594	U	4.78	J	1.09	J
ARSENIC	1.78		20.9		6.38	
BARIUM	88.5		92.5		213	
BERYLLIUM	0.366	J	0.508	J	0.204	J
CADMIUM	0.049	U	0.053	U	0.054	U
CALCIUM METAL	9970		11400		4060	
CHROMIUM-TOTAL RECOVERABLE	18.4		10.7		15	
COBALT	4.34	J	5.32	J	6.34	
COPPER	27.6		98.9		303	
IRON	10800		24600		22900	
LEAD	52.1		297		702	
MAGNESIUM	5890		1980		1490	
MANGANESE	255		157		273	
NICKEL	17.4		13.4		15.1	
POTASSIUM	1510		766		740	
SELENIUM	0.33	U	0.359	U	0.962	J
SILVER	0.111	U	0.485	J	0.123	U
SODIUM	571		1430		806	
THALLIUM	0.604	J	0.379	U	0.997	J
VANADIUM (FUME OR DUST)	14.7		26.8		15.9	
ZINC	50.1		213		164	
MERCURY	0.54	D	0.66	D	2.5	D

Notes:

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**Summary of Total Metals in Soil
Caemmerer Yard West Investigation**

Table O.2-42

Location ID	E-19		E-19		E-19	
Sample ID	E-19-GH-10-12		E-19-GH-12-14		E-19-GH-17-19	
Depth	10-12		12-14		17-19	
Dilution Factor	1.0		1.0		1.0	
Sample Date	9/25/2004		9/25/2004		9/25/2004	
Unit	mg/Kg		mg/Kg		mg/Kg	
ALUMINUM (FUME OR DUST)	3070		2410		8020	
ANTIMONY	1.33	J	0.701	U	0.681	U
ARSENIC	5.18		5.35		3.61	
BARIUM	46		40.1		60.2	
BERYLLIUM	0.194	J	0.174	J	0.336	J
CADMIUM	0.062	U	0.057	U	0.056	U
CALCIUM METAL	2860		2240		2340	
CHROMIUM-TOTAL RECOVERABLE	11.2		8.71		11.3	
COBALT	4.5	J	3.8	J	5.85	J
COPPER	87.9		64.7		19.2	
IRON	12800		11000		13900	
LEAD	91.9		85.2		82.2	
MAGNESIUM	1300		1560		2720	
MANGANESE	153		140		290	
NICKEL	10.7		9.75		12.2	
POTASSIUM	687		530	J	834	
SELENIUM	0.419	U	0.39	U	0.378	U
SILVER	0.141	U	0.131	U	0.127	U
SODIUM	435	J	353	J	325	J
THALLIUM	0.475	J	0.424	J	1.2	J
VANADIUM (FUME OR DUST)	13		11.6		14.2	
ZINC	144		96.3		60.5	
MERCURY	0.23		0.4		0.17	

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**Summary of Total Metals in Soil
Caemmerer Yard West Investigation**

Table O.2-42

Location ID	E-19		E-19		E-20	
Sample ID	DUP-S-09-25-04		E-19-GH-19-21		E-20-GH-2-4	
Depth	17-19		19-21		2-4	
Dilution Factor	1.0		1.0		1.0	
Sample Date	9/25/2004		9/25/2004		9/21/2004	
Unit	mg/Kg		mg/Kg		mg/Kg	
ALUMINUM (FUME OR DUST)	7950		6650		4960	
ANTIMONY	0.679	U	0.718	U	1.82	
ARSENIC	2.54		1.87		9.17	
BARIUM	63.6		35.8		107	
BERYLLIUM	0.346	J	0.246	J	0.332	
CADMIUM	0.055	U	0.059	U	0.051	U
CALCIUM METAL	2340		1720		11400	
CHROMIUM-TOTAL RECOVERABLE	11.5		10		19.7	
COBALT	5.63	J	4.8	J	7.56	
COPPER	19.3		26.2		68.9	
IRON	12500		11800		17200	
LEAD	77.2		40.7		190	
MAGNESIUM	2770		2800		5090	
MANGANESE	183		142		261	
NICKEL	12.8		11.1		37.9	
POTASSIUM	800		940		986	
SELENIUM	0.378	U	0.399	U	3.37	
SILVER	0.192	J	0.134	U	0.117	U
SODIUM	379	J	241	J	215	
THALLIUM	0.636	J	0.531	J	0.367	U
VANADIUM (FUME OR DUST)	14.4		10.8		26	
ZINC	52.2		59.8		170	
MERCURY	1.2	D	0.2		0.57	D

Notes:

mg/kg - milligrams per kilogram

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**Summary of Total Metals in Soil
Caemmerer Yard West Investigation**

Table O.2-42

Location ID	E-20	E-20	E-20
Sample ID	E-20-GH-4-6	E-20-GH-8-10	E-20-GH-12-14
Depth	4-6	8-10	12-14
Dilution Factor	1.0	1.0	1.0
Sample Date	9/21/2004	9/21/2004	9/21/2004
Unit	mg/Kg	mg/Kg	mg/Kg
ALUMINUM (FUME OR DUST)	6390	2700	7350
ANTIMONY	1.01	7.68	1.29
ARSENIC	9.59	7.63	4.15
BARIUM	105	98.5	67
BERYLLIUM	0.365	0.141	0.298
CADMIUM	0.051 U	0.056 U	0.059 U
CALCIUM METAL	18200	2870	3070
CHROMIUM-TOTAL RECOVERABLE	17.2	6.34	11.4
COBALT	6.71	3.48	5.52
COPPER	134	210	36.7
IRON	15900	17400	15900
LEAD	179	100	124
MAGNESIUM	3460	1100	2190
MANGANESE	218	242	314
NICKEL	16.6	7.15	11.9
POTASSIUM	1350	451	722
SELENIUM	1.11	1.46	0.798
SILVER	1.43	0.127 U	0.135 U
SODIUM	271	170	464
THALLIUM	0.365 U	0.398 U	0.425 U
VANADIUM (FUME OR DUST)	24.5	8.08	14
ZINC	115	35.8	61.8
MERCURY	0.31	0.75 D	0.16

Notes:

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**Summary of Total Metals in Soil
Caemmerer Yard West Investigation**

Table O.2-42

Location ID	E-20	E-21	E-21
Sample ID	E-20-GH-41-45	E-21-GH-0-2	E-21-GH-2-4
Depth	41-45	0-2	2-4
Dilution Factor	1.0	1.0	1.0
Sample Date	9/21/2004	9/16/2004	9/16/2004
Unit	mg/Kg	mg/Kg	mg/Kg
ALUMINUM (FUME OR DUST)	9760	3920	6740
ANTIMONY	0.818 U	3.61 JN	0.635 UN
ARSENIC	10.6	8.78	2.79
BARIUM	67.2	207	90
BERYLLIUM	0.49	0.254 J	0.32 J
CADMIUM	0.067 U	0.051 U	0.052 U
CALCIUM METAL	7230	125000 D	2170
CHROMIUM-TOTAL RECOVERABLE	25.5	18.2	15.6
COBALT	8.27	3.81 J	5.97
COPPER	37.7	80.7 N	31.8 N
IRON	21500	17100	12500
LEAD	115	249 N	1350 N
MAGNESIUM	4500	5800	2620
MANGANESE	613	239	141
NICKEL	18.3	19.4	12
POTASSIUM	1950	857	2060
SELENIUM	1.58	0.56 J	0.605 J
SILVER	0.153 U	0.117 U	0.118 U
SODIUM	2070	527 J	79.9 J
THALLIUM	0.48 U	0.368 U	0.372 U
VANADIUM (FUME OR DUST)	23.8	54 N	21 N
ZINC	74.1	267	58.1
MERCURY	0.17	2.4 D	0.23

Notes:

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analysis at a secondary dilution factor

**Summary of Total Metals in Soil
Caemmerer Yard West Investigation**

Table O.2-42

Location ID	E-21		E-21		E-31	
Sample ID	E-21-GH-6-8		E-21-GH-20-22		E-31-GH-4-6	
Depth	6-8		20-22		4-6	
Dilution Factor	1.0		1.0		1.0	
Sample Date	9/16/2004		9/16/2004		9/16/2004	
Unit	mg/Kg		mg/Kg		mg/Kg	
ALUMINUM (FUME OR DUST)	7920		1530		5650	
ANTIMONY	0.661	UN	0.691	UN	0.936	JN
ARSENIC	3.1		1.3		5.15	
BARIUM	61.1		40.5		71.8	
BERYLLIUM	0.401	J	0.106	J	0.259	J
CADMIUM	0.054	U	0.056	U	0.05	U
CALCIUM METAL	2490		58100		39600	
CHROMIUM-TOTAL RECOVERABLE	24.1		4.28		15	
COBALT	5.21	J	1.82	J	5.38	J
COPPER	16.8	N	8.43	N	40.3	N
IRON	8970		7860		18700	
LEAD	45.6	N	50.2	N	124	N
MAGNESIUM	2440		1910		13500	
MANGANESE	128		105		239	
NICKEL	12.5		3.64	J	13.8	
POTASSIUM	1510		518	J	2000	
SELENIUM	0.367	U	0.384	U	0.694	J
SILVER	0.123	U	0.129	U	0.114	U
SODIUM	492	J	609	J	371	J
THALLIUM	0.387	U	0.405	U	0.357	U
VANADIUM (FUME OR DUST)	17.5	N	6.3	N	24.6	N
ZINC	39.2		11.1		129	
MERCURY	0.1		0.09		0.15	

Notes:

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analysis at a secondary dilution factor

**Summary of Total Metals in Soil
Caemmerer Yard West Investigation**

Table O.2-42

Location ID	E-31		SB-E-03		SB-E-03	
Sample ID	E-31-GH-16-18		SB-E-03-GH-2-4		SB-E-03-GH-14-16	
Depth	16-18		2-4		14-16	
Dilution Factor	1.0		1.0		1.0	
Sample Date	9/16/2004		9/22/2004		9/22/2004	
Unit	mg/Kg		mg/Kg		mg/Kg	
ALUMINUM (FUME OR DUST)	16000		3270		8730	
ANTIMONY	0.945	UN	0.743	J	4.87	J
ARSENIC	10.7		4.28		9.48	
BARIUM	69.2		71.2		202	
BERYLLIUM	0.787	J	0.282	J	0.409	J
CADMIUM	0.077	U	0.048	U	0.061	U
CALCIUM METAL	3990		52700		14200	
CHROMIUM-TOTAL RECOVERABLE	30.5		10.8		12	
COBALT	12.9		4.13	J	5.99	J
COPPER	53.7	N	44.6		368	
IRON	31100		9000		11900	
LEAD	100	N	90		296	
MAGNESIUM	7180		21000		2270	
MANGANESE	658		220		198	
NICKEL	28.9		13.4		12.9	
POTASSIUM	3290		1330		1310	
SELENIUM	2.72		0.517	J	1.81	
SILVER	0.176	U	0.109	UN	0.139	UN
SODIUM	5240		218	J	831	
THALLIUM	0.554	U	0.344	U	0.436	U
VANADIUM (FUME OR DUST)	35.4	N	14.9		21.1	
ZINC	80		122		255	
MERCURY	0.19		0.37		0.29	

Notes:

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analysis at a secondary dilution factor

**Summary of Total Metals in Soil
Caemmerer Yard West Investigation**

Table O.2-42

Location ID	SB-H-22		SB-H-22		SB-H-22	
Sample ID	SB-H-22-GH-1-2		SB-H-22-GH-6-8		SB-H-22-GH-11-15	
Depth	1-2		6-8		11-15	
Dilution Factor	1.0		1.0		1.0	
Sample Date	9/25/2004		9/25/2004		9/25/2004	
Unit	mg/Kg		mg/Kg		mg/Kg	
ALUMINUM (FUME OR DUST)	3750		3800		4390	
ANTIMONY	0.828	J	0.747	J	3.98	J
ARSENIC	4.75		13.5		15	
BARIUM	154		55		143	
BERYLLIUM	0.302	J	0.308	J	0.28	J
CADMIUM	0.052	U	0.052	U	0.06	U
CALCIUM METAL	17000		47500		7460	
CHROMIUM-TOTAL RECOVERABLE	13.1		13.4		10.3	
COBALT	4.95	J	9.73		6.29	J
COPPER	81.4		62.2		1220	
IRON	11700		43100		16100	
LEAD	182		117		4410	
MAGNESIUM	6510		4340		1500	
MANGANESE	239		710		809	
NICKEL	17.5		17.9		12	
POTASSIUM	957		652		465	J
SELENIUM	0.357	U	1.77		0.949	J
SILVER	0.12	U	0.118	U	0.731	J
SODIUM	297	J	136	J	396	J
THALLIUM	0.391	J	0.658	J	0.434	U
VANADIUM (FUME OR DUST)	23.4		26.5		14.6	
ZINC	229		179		247	
MERCURY	0.42		0.18		0.37	

Notes:

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analysis at a secondary dilution factor

**Summary of Total Metals in Soil
Caemmerer Yard West Investigation**

Table O.2-42

Location ID	SB-H-22		SB-H-22		SB-H-22	
Sample ID	SB-H-22-GH-15-16		SB-H-22-GH-19-23		SB-H-22-GH-23-25	
Depth	15-16		19-23		23-25	
Dilution Factor	1.0		1.0		1.0	
Sample Date	9/25/2004		9/25/2004		9/25/2004	
Unit	mg/Kg		mg/Kg		mg/Kg	
ALUMINUM (FUME OR DUST)	8970		6450		4020	
ANTIMONY	0.674	U	0.691	U	0.822	U
ARSENIC	2.5		14.3		11.9	
BARIUM	46.8		57.5		88.4	
BERYLLIUM	0.344	J	0.339	J	0.511	J
CADMIUM	0.055	U	0.056	U	0.067	U
CALCIUM METAL	4490		9880		3010	
CHROMIUM-TOTAL RECOVERABLE	25		12.8		11.1	
COBALT	6.37		9.31		8.69	
COPPER	21.6		128		135	
IRON	11100		15300		20600	
LEAD	29.4		149		161	
MAGNESIUM	2580		2200		1150	
MANGANESE	141		440		240	
NICKEL	14.1		17.5		15.3	
POTASSIUM	1100		843		654	J
SELENIUM	0.375	U	0.384	U	0.537	J
SILVER	0.126	U	0.129	U	0.153	U
SODIUM	819		727		396	J
THALLIUM	0.395	U	0.405	U	0.482	U
VANADIUM (FUME OR DUST)	21.5		17.8		13	
ZINC	29.9		63.9		101	
MERCURY	0.07		0.58		0.11	

Notes:

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analysis at a secondary dilution factor

**Summary of Total RCRA Characteristics in Soil
Caemmerer Yard West Investigation**

Table O.2-43

Location ID	SB-H-04	SB-H-04	SB-H-04
Sample ID	SB-H-04-LIRR-2-4	SB-H-04-LIRR-8-10	SB-H-04-LIRR-12-14
Depth	2-4	8-10	12-14
Dilution Factor	1.0	1.0	1.0
Sample Date	9/21/2004	9/21/2004	9/21/2004
Unit	mg/Kg	mg/Kg	mg/Kg
Reactive Cyanide	10 U	10 U	10 U
Reactive Sulfide	40 U	40 U	40 U
TOTAL PETROLEUM HYDROCARBONS	50.2	15 U	15 U
pH	10.4	8.2	8.3

Notes:

mg/kg - milligrams per kilogram

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**Summary of Total RCRA Characteristics in Soil
Caemmerer Yard West Investigation**

Table O.2-43

Location ID	SB-H-04	SB-H-05	SB-H-05
Sample ID	SB-H-04-LIRR-18-20	SB-H-05-LIRR-4-6	SB-H-05-LIRR-10-12
Depth	18-20	4-6	10-12
Dilution Factor	1.0	1.0	1.0
Sample Date	9/21/2004	9/17/2004	9/25/2004
Unit	mg/Kg	mg/Kg	mg/Kg
Reactive Cyanide	10 U	10 U	10 U
Reactive Sulfide	40 U	40 U	40 U
TOTAL PETROLEUM HYDROCARBONS	15 U	713	15 U
pH	8.6	10.6	8.1

Notes:

mg/kg - miligrams per kilogram

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**Summary of Total RCRA Characteristics in Soil
Caemmerer Yard West Investigation**

Table O.2-43

Location ID	SB-H-05	SB-H-06	SB-H-06
Sample ID	SB-H-05-LIRR-18-20	SB-H-06-LIRR-2-4	SB-H-06-LIRR-8-10
Depth	18-20	2-4	8-10
Dilution Factor	1.0	1.0	1.0
Sample Date	9/21/2004	9/22/2004	9/22/2004
Unit	mg/Kg	mg/Kg	mg/Kg
Reactive Cyanide	10 U	10 U	10 U
Reactive Sulfide	40 U	40 U	40 U
TOTAL PETROLEUM HYDROCARBONS	15 U	16 U	18 U
pH	8.5	9.2	8.4

Notes:

mg/kg - miligrams per kilogram

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**Summary of Total RCRA Characteristics in Soil
Caemmerer Yard West Investigation**

Table O.2-43

Location ID	SB-H-06	SB-H-06	SB-H-07
Sample ID	SB-H-06-LIRR-10-12	SB-H-06-LIRR-24-26	SB-H-07-LIRR-2-4
Depth	10-12	24-26	2-4
Dilution Factor	1.0	1.0	1.0
Sample Date	9/22/2004	9/22/2004	10/1/2004
Unit	mg/Kg	mg/Kg	mg/Kg
Reactive Cyanide	10 U	15500	10 U
Reactive Sulfide	40 U	1.04 J	40 U
TOTAL PETROLEUM HYDROCARBONS	19 U	10.4	530
pH	8.1	8.5	8.9

Notes:

mg/kg - miligrams per kilogram

DUP - denotes field duplicate of preceding sample

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

**Summary of Total RCRA Characteristics in Soil
Caemmerer Yard West Investigation**

Table O.2-43

Location ID	SB-H-07	SB-H-07	SB-H-07
Sample ID	SB-H-07-LIRR-4-6	SB-H-07-LIRR-14-16	DUP-SB-H-07-LIRR
Depth	4-6	14-16	14-16
Dilution Factor	1.0	1.0	1.0
Sample Date	10/1/2004	10/1/2004	10/1/2004
Unit	mg/Kg	mg/Kg	mg/Kg
Reactive Cyanide	10 U	10 U	10 U
Reactive Sulfide	40 U	40 U	40 U
TOTAL PETROLEUM HYDROCARBONS	260	51 U	60 U
pH	8.8	8	7.8

Notes:

mg/kg - milligrams per kilogram

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**Summary of Total RCRA Characteristics in Soil
Caemmerer Yard West Investigation**

Table O.2-43

Location ID	SB-H-07	SB-H-08	SB-H-08
Sample ID	SB-H-07-LIRR-24-26	SB-H-08-LIRR-2-4	SB-H-08-LIRR-4-6
Depth	24-26	2-4	4-6
Dilution Factor	1.0	1.0	1.0
Sample Date	10/1/2004	10/1/2004	10/1/2004
Unit	mg/Kg	mg/Kg	mg/Kg
Reactive Cyanide	10 U	10 U	10 U
Reactive Sulfide	40 U	40 U	40 U
TOTAL PETROLEUM HYDROCARBONS	63 U	17 U	18 U
pH	8.4	8.4	-

Notes:

mg/kg - milligrams per kilogram

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**Summary of Total RCRA Characteristics in Soil
Caemmerer Yard West Investigation**

Table O.2-43

Location ID	SB-H-08	SB-H-08	SB-H-10
Sample ID	SB-H-08-LIRR-16-18	SB-H-08-LIRR-18-20	SB-H-10-LIRR-4-6
Depth	16-18	18-20	4-6
Dilution Factor	1.0	1.0	1.0
Sample Date	10/1/2004	10/1/2004	9/22/2004
Unit	mg/Kg	mg/Kg	mg/Kg
Reactive Cyanide	10 U	10 U	10 U
Reactive Sulfide	40 U	40 U	40 U
TOTAL PETROLEUM HYDROCARBONS	18 U	56	16 U
pH	8.3	8.5	9.2

Notes:

mg/kg - milligrams per kilogram

DUP - denotes field duplicate of preceding sample

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

**Summary of Total RCRA Characteristics in Soil
Caemmerer Yard West Investigation**

Table O.2-43

Location ID	SB-H-10	SB-H-10	SB-H-10
Sample ID	DUP-2-09-22-04	SB-H-10-LIRR-6-8	SB-H-10-LIRR-22-24
Depth	4-6	6-8	22-24
Dilution Factor	1.0	1.0	1.0
Sample Date	9/22/2004	9/22/2004	9/22/2004
Unit	mg/Kg	mg/Kg	mg/Kg
Reactive Cyanide	10 U	10 U	10 U
Reactive Sulfide	40 U	40 U	40 U
TOTAL PETROLEUM HYDROCARBONS	17 U	17 U	48 U
pH	9.3	8.4	8.3

Notes:

mg/kg - milligrams per kilogram

DUP - denotes field duplicate of preceding sample

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

**Summary of Total RCRA Characteristics in Soil
Caemmerer Yard West Investigation**

Table O.2-43

Location ID	SB-H-12	SB-H-12	SB-H-12
Sample ID	SB-H-12-LIRR-0-2	SB-H-12-LIRR-6-9	SB-H-12-LIRR-16-18
Depth	0-2	6-9	16-18
Dilution Factor	1.0	1.0	1.0
Sample Date	10/1/2004	10/2/2004	10/2/2004
Unit	mg/Kg	mg/Kg	mg/Kg
Reactive Cyanide	10 U	10 U	10 U
Reactive Sulfide	40 U	40 U	40 U
TOTAL PETROLEUM HYDROCARBONS	480	47 U	53 U
pH	9.8	8.4	7.9

Notes:

mg/kg - milligrams per kilogram

DUP - denotes field duplicate of preceding sample

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

**Summary of Total RCRA Characteristics in Soil
Caemmerer Yard West Investigation**

Table O.2-43

Location ID	SB-H-12	SB-H-13	SB-H-13
Sample ID	SB-H-12-LIRR-28-29	SB-H-13-LIRR-2-4	SB-H-13-LIRR-4-6
Depth	28-29	2-4	4-6
Dilution Factor	1.0	1.0	1.0
Sample Date	10/2/2004	9/25/2004	9/25/2004
Unit	mg/Kg	mg/Kg	mg/Kg
Reactive Cyanide	10 U	10 U	10 U
Reactive Sulfide	40 U	40 U	40 U
TOTAL PETROLEUM HYDROCARBONS	46 U	760	150
pH	8.2	9.6	-

Notes:

mg/kg - miligrams per kilogram

DUP - denotes field duplicate of preceding sample

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

**Summary of Total RCRA Characteristics in Soil
Caemmerer Yard West Investigation**

Table O.2-43

Location ID	SB-H-13	SB-H-13	SB-H-15
Sample ID	SB-H-13-LIRR-14-16	SB-H-13-LIRR-24-26	SB-H-15-LIRR-2-3
Depth	14-16	24-26	2-3
Dilution Factor	1.0	1.0	1.0
Sample Date	9/26/2004	9/26/2004	9/25/2004
Unit	mg/Kg	mg/Kg	mg/Kg
Reactive Cyanide	10 U	10 U	10 U
Reactive Sulfide	40 U	40 U	40 U
TOTAL PETROLEUM HYDROCARBONS	19	24 U	290
pH	8.6	8.5	10.3

Notes:

mg/kg - milligrams per kilogram

DUP - denotes field duplicate of preceding sample

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

**Summary of Total RCRA Characteristics in Soil
Caemmerer Yard West Investigation**

Table O.2-43

Location ID	SB-H-15	SB-H-15	SB-H-15
Sample ID	SB-H-15-LIRR-6-8	DUP-1-09-26-04	SB-H-15-LIRR-10-11
Depth	6-8	6-8	10-11
Dilution Factor	1.0	1.0	1.0
Sample Date	9/26/2004	9/26/2004	9/26/2004
Unit	mg/Kg	mg/Kg	mg/Kg
Reactive Cyanide	10 U	10 U	10 U
Reactive Sulfide	40 U	40 U	40 U
TOTAL PETROLEUM HYDROCARBONS	110	19 U	18
pH	1.3	10.4	8.7

Notes:

mg/kg - milligrams per kilogram

DUP - denotes field duplicate of preceding sample

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

**Summary of Total RCRA Characteristics in Soil
Caemmerer Yard West Investigation**

Table O.2-43

Location ID	SB-H-18	SB-H-18	SB-H-18
Sample ID	SB-H-18-LIRR-2-4	SB-H-18-LIRR-4-6	SB-H-18-LIRR-12-14
Depth	2-4	4-6	12-14
Dilution Factor	1.0	1.0	1.0
Sample Date	9/26/2004	9/28/2004	9/28/2004
Unit	mg/Kg	mg/Kg	mg/Kg
Reactive Cyanide	10 U	10 U	10 U
Reactive Sulfide	40 U	40 U	40 U
TOTAL PETROLEUM HYDROCARBONS	16 U	340	74
pH	-	8.5	8.2

Notes:

mg/kg - milligrams per kilogram

DUP - denotes field duplicate of preceding sample

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

**Summary of Total RCRA Characteristics in Soil
Caemmerer Yard West Investigation**

Table O.2-43

Location ID	SB-H-18	SB-H-20	SB-H-20
Sample ID	SB-H-18-LIRR-20-22	SB-H-20-LIRR-2-4	SB-H-20-LIRR-4-6
Depth	20-22	2-4	4-6
Dilution Factor	1.0		
Sample Date	9/29/2004	10/6/2004	10/6/2004
Unit	mg/Kg	mg/Kg	mg/Kg
Reactive Cyanide	10 U	10 U	10 U
Reactive Sulfide	40 U	40 U	40 U
TOTAL PETROLEUM HYDROCARBONS	69 U	560	18 U
pH	8.5	8.9	9.7

Notes:

mg/kg - miligrams per kilogram

DUP - denotes field duplicate of preceding sample

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

**Summary of Total RCRA Characteristics in Soil
Caemmerer Yard West Investigation**

Table O.2-43

Location ID	SB-H-20	SB-H-20	E-23
Sample ID	DUP-S-10-06-04	SB-H-20-LIRR-18-20	E-23-LIRR-1-2
Depth	4-6	18-20	1-2
Dilution Factor			1.0
Sample Date	10/6/2004	10/6/2004	9/21/2004
Unit	mg/Kg	mg/Kg	mg/Kg
Reactive Cyanide	10 U	10 U	10 U
Reactive Sulfide	40 U	40 U	40 U
TOTAL PETROLEUM HYDROCARBONS	340	20 U	1200
pH	8.5	8	10.6

Notes:

mg/kg - milligrams per kilogram

DUP - denotes field duplicate of preceding sample

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

**Summary of Total RCRA Characteristics in Soil
Caemmerer Yard West Investigation**

Table O.2-43

Location ID	E-23A	E-28	E-28
Sample ID	E-23A-LIRR-1-3.5	E-28-LIRR-2-2.5	E-28-LIRR-4-6
Depth	1-3.5	2-2.5	4-6
Dilution Factor	1.0	1.0	1.0
Sample Date	9/22/2004	9/23/2004	9/23/2004
Unit	mg/Kg	mg/Kg	mg/Kg
Reactive Cyanide	10 U	10 U	10 U
Reactive Sulfide	40 U	40 U	40 U
TOTAL PETROLEUM HYDROCARBONS	43 U	44 U	44 U
pH	9.8	10.4	10.9

Notes:

mg/kg - miligrams per kilogram

DUP - denotes field duplicate of preceding sample

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

**Summary of Total RCRA Characteristics in Soil
Caemmerer Yard West Investigation**

Table O.2-43

Location ID	E-28	E-28	E-28
Sample ID	E-28-LIRR-8-9	E-28-LIRR-18-20	E-28-LIRR-26-28
Depth	8-9	18-20	26-28
Dilution Factor	1.0	1.0	1.0
Sample Date	9/23/2004	9/23/2004	9/23/2004
Unit	mg/Kg	mg/Kg	mg/Kg
Reactive Cyanide	10 U	10 U	10 U
Reactive Sulfide	40 U	40 U	40 U
TOTAL PETROLEUM HYDROCARBONS	50 U	52 U	69 U
pH	10	9.3	8.7

Notes:

mg/kg - milligrams per kilogram

DUP - denotes field duplicate of preceding sample

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

**Summary of Total RCRA Characteristics in Soil
Caemmerer Yard West Investigation**

Table O.2-43

Location ID	E-28	E-35	E-35
Sample ID	E-28-LIRR-32-34	E-35-LIRR-0-2	E-35-LIRR-2-4
Depth	32-34	0-2	2-4
Dilution Factor	1.0	1.0	1.0
Sample Date	9/23/2004	9/30/2004	9/30/2004
Unit	mg/Kg	mg/Kg	mg/Kg
Reactive Cyanide	10 U	10 U	10 U
Reactive Sulfide	40 U	40 U	40 U
TOTAL PETROLEUM HYDROCARBONS	66 U	529	44 U
pH	8.7	9.5	8.7

Notes:

mg/kg - milligrams per kilogram

DUP - denotes field duplicate of preceding sample

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

**Summary of Total RCRA Characteristics in Soil
Caemmerer Yard West Investigation**

Table O.2-43

Location ID	E-35	E-35	E-37
Sample ID	E-35-LIRR-6-8	E-35-LIRR-10-12	E-37-LIRR-2-4
Depth	6-8	10-12	2-4
Dilution Factor	1.0	1.0	1.0
Sample Date	10/1/2004	10/1/2004	9/30/2004
Unit	mg/Kg	mg/Kg	mg/Kg
Reactive Cyanide	10 U	10 U	10 U
Reactive Sulfide	40 U	40 U	40 U
TOTAL PETROLEUM HYDROCARBONS	180	20 U	54
pH	8.2	7.8	9.2

Notes:

mg/kg - milligrams per kilogram

DUP - denotes field duplicate of preceding sample

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

**Summary of Total RCRA Characteristics in Soil
Caemmerer Yard West Investigation**

Table O.2-43

Location ID	E-37	E-37	E-37
Sample ID	E-37-LIRR-6-8	E-37-LIRR-16-18	E-37-LIRR-20-22
Depth	6-8	16-18	20-22
Dilution Factor	1.0	1.0	1.0
Sample Date	9/29/2004	9/30/2004	9/30/2004
Unit	mg/Kg	mg/Kg	mg/Kg
Reactive Cyanide	10 U	10 U	10 U
Reactive Sulfide	40 U	40 U	40 U
TOTAL PETROLEUM HYDROCARBONS	162	46 U	48 U
pH	8.4	8.5	8.7

Notes:

mg/kg - milligrams per kilogram

DUP - denotes field duplicate of preceding sample

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

**Summary of Total RCRA Characteristics in Soil
Caemmerer Yard West Investigation**

Table O.2-43

Location ID	E-50	E-50	E-50
Sample ID	E-50-LIRR-2-4	DUP-S-09-23-04	E-50-LIRR-4-6
Depth	2-4	2-4	4-6
Dilution Factor	1.0	1.0	1.0
Sample Date	9/23/2004	9/23/2004	9/23/2004
Unit	mg/Kg	mg/Kg	mg/Kg
Reactive Cyanide	10 U	10 U	10 U
Reactive Sulfide	40 U	40 U	40 U
TOTAL PETROLEUM HYDROCARBONS	41 U	42 U	42 U
pH	9.3	9.4	9.1

Notes:

mg/kg - milligrams per kilogram

DUP - denotes field duplicate of preceding sample

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

**Summary of Total RCRA Characteristics in Soil
Caemmerer Yard West Investigation**

Table O.2-43

Location ID	E-50	E-50	E-51
Sample ID	E-50-LIRR-10-12	E-50-LIRR-24-26	E-51-LIRR-2-3
Depth	10-12	24-26	2-3
Dilution Factor	1.0	1.0	1.0
Sample Date	9/23/2004	9/23/2004	9/23/2004
Unit	mg/Kg	mg/Kg	mg/Kg
Reactive Cyanide	10 U	10 U	10 U
Reactive Sulfide	40 U	40 U	40 U
TOTAL PETROLEUM HYDROCARBONS	50 U	62 U	810
pH	8.9	9	10.2

Notes:

mg/kg - milligrams per kilogram

DUP - denotes field duplicate of preceding sample

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

**Summary of Total RCRA Characteristics in Soil
Caemmerer Yard West Investigation**

Table O.2-43

Location ID	E-51	E-51	E-51
Sample ID	E-51-LIRR-4-6	E-51-LIRR-7-8	E-51-LIRR-16-19
Depth	4-6	7-8	16-19
Dilution Factor	1.0	1.0	1.0
Sample Date	9/23/2004	9/23/2004	9/23/2004
Unit	mg/Kg	mg/Kg	mg/Kg
Reactive Cyanide	10 U	10 U	10 U
Reactive Sulfide	40 U	40 U	40 U
TOTAL PETROLEUM HYDROCARBONS	44 U	46 U	65 U
pH	9.8	8.9	8.9

Notes:

mg/kg - milligrams per kilogram

DUP - denotes field duplicate of preceding sample

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

**Summary of Total RCRA Characteristics in Soil
Caemmerer Yard West Investigation**

Table O.2-43

Location ID	E-63	E-63	E-63
Sample ID	E-63-LIRR-0-2	E-63-LIRR-2-4	E-63-LIRR-14-16
Depth	0-2	2-4	14-16
Dilution Factor	1.0	1.0	1.0
Sample Date	9/4/2004	9/5/2004	9/8/2004
Unit	mg/Kg	mg/Kg	mg/Kg
Reactive Cyanide	10 U	10 U	10 U
Reactive Sulfide	40 U	40 U	40 U
TOTAL PETROLEUM HYDROCARBONS	610	17 U	18 U
pH	8.7	8.4	8.5

Notes:

mg/kg - milligrams per kilogram

DUP - denotes field duplicate of preceding sample

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

**Summary of Total RCRA Characteristics in Soil
Caemmerer Yard West Investigation**

Table O.2-43

Location ID	E-63	E-63	E-64
Sample ID	E-63-LIRR-18-20	E-63-LIRR-20-22	E-64-LIRR-1-2
Depth	18-20	20-22	1-2
Dilution Factor	1.0	1.0	1.0
Sample Date	9/8/2004	9/8/2004	9/8/2004
Unit	mg/Kg	mg/Kg	mg/Kg
Reactive Cyanide	10 U	10 U	10 U
Reactive Sulfide	40 U	40 U	40 U
TOTAL PETROLEUM HYDROCARBONS	18 U	120	720
pH	8.2	8.2	10.2

Notes:

mg/kg - miligrams per kilogram

DUP - denotes field duplicate of
preceding sample

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

**Summary of Total RCRA Characteristics in Soil
Caemmerer Yard West Investigation**

Table O.2-43

Location ID	E-64	E-64	E-64
Sample ID	E-64-LIRR-4-6	E-64-LIRR-4-6-A	E-64-LIRR-10-12-A
Depth	4-6	4-6	10-12
Dilution Factor	1.0	1.0	1.0
Sample Date	9/8/2004	9/18/2004	9/18/2004
Unit	mg/Kg	mg/Kg	mg/Kg
Reactive Cyanide	10 U	10 U	10 U
Reactive Sulfide	40 U	40 U	40 U
TOTAL PETROLEUM HYDROCARBONS	17 U	49 U	15 U
pH	8.5	10.6	10.5

Notes:

mg/kg - miligrams per kilogram

DUP - denotes field duplicate of preceding sample

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

**Summary of Total RCRA Characteristics in Soil
Caemmerer Yard West Investigation**

Table O.2-43

Location ID	SB-E-08	SB-E-08	SB-E-10
Sample ID	SB-E-08-LIRR-6-9	SB-E-08-LIRR-15-17	SB-E-10-NYDOS-2-4
Depth	6-9	15-17	2-4
Dilution Factor	1.0	1.0	1.0
Sample Date	9/20/2004	9/20/2004	9/17/2004
Unit	mg/Kg	mg/Kg	mg/Kg
Reactive Cyanide	10 U	10 U	10 U
Reactive Sulfide	40 U	40 U	40 U
TOTAL PETROLEUM HYDROCARBONS	15 U	15 U	600
pH	7.6	8.6	9.5

Notes:

mg/kg - miligrams per kilogram

DUP - denotes field duplicate of preceding sample

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

**Summary of Total RCRA Characteristics in Soil
Caemmerer Yard West Investigation**

Table O.2-43

Location ID	SB-E-10	SB-E-10	SB-U-2
Sample ID	SB-E-10-NYDOS-12-14	SB-E-10-NYDOS-20-22	SB-U-2-DOS-2-3
Depth	12-14	20-22	2-3
Dilution Factor	1.0	1.0	1.0
Sample Date	9/17/2004	9/12/2004	9/11/2004
Unit	mg/Kg	mg/Kg	mg/Kg
Reactive Cyanide	10 U	10 U	10 U
Reactive Sulfide	40 U	40 U	40 U
TOTAL PETROLEUM HYDROCARBONS	18 U	21 U	45 U
pH	8.7	9	8.4

Notes:

mg/kg - miligrams per kilogram

DUP - denotes field duplicate of preceding sample

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

**Summary of Total RCRA Characteristics in Soil
Caemmerer Yard West Investigation**

Table O.2-43

Location ID	SB-U-2	SB-U-2	E-1
Sample ID	SB-U-2-DOS-3-5	SB-U-2-DOS-12-15	E-1-DOS-2-4
Depth	3-5	12-15	2-4
Dilution Factor	1.0	1.0	1.0
Sample Date	9/11/2004	9/11/2004	9/13/2004
Unit	mg/Kg	mg/Kg	mg/Kg
Reactive Cyanide	10 U	10 U	10 U
Reactive Sulfide	40 U	40 U	40 U
TOTAL PETROLEUM HYDROCARBONS	780	65 U	17 U
pH	8.6	8.6	8.6

Notes:

mg/kg - miligrams per kilogram

DUP - denotes field duplicate of preceding sample

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

**Summary of Total RCRA Characteristics in Soil
Caemmerer Yard West Investigation**

Table O.2-43

Location ID	E-1	E-1	E-1
Sample ID	E-1-DOS-4-6	E-1-DOS-6-8	E-1-DOS-10-12
Depth	4-6	6-8	10-12
Dilution Factor	1.0	1.0	1.0
Sample Date	9/13/2004	9/13/2004	9/13/2004
Unit	mg/Kg	mg/Kg	mg/Kg
Reactive Cyanide	10 U	10 U	10 U
Reactive Sulfide	40 U	40 U	40 U
TOTAL PETROLEUM HYDROCARBONS	17 U	18 U	18 U
pH	8.4	8.3	10

Notes:

mg/kg - miligrams per kilogram

DUP - denotes field duplicate of preceding sample

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

**Summary of Total RCRA Characteristics in Soil
Caemmerer Yard West Investigation**

Table O.2-43

Location ID	E-1	E-1	E-2
Sample ID	E-1-DOS-18-20	E-1-DOS-34-36	E-2-DOS-1-2
Depth	18-20	34-36	1-2
Dilution Factor	1.0	1.0	1.0
Sample Date	9/13/2004	9/14/2004	9/11/2004
Unit	mg/Kg	mg/Kg	mg/Kg
Reactive Cyanide	10 U	10 U	10 U
Reactive Sulfide	40 U	40 U	40 U
TOTAL PETROLEUM HYDROCARBONS	18 U	62 U	44 U
pH	9.5	8.2	8.4

Notes:

mg/kg - miligrams per kilogram

DUP - denotes field duplicate of preceding sample

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

**Summary of Total RCRA Characteristics in Soil
Caemmerer Yard West Investigation**

Table O.2-43

Location ID	E-2	E-2	E-3
Sample ID	E-2-DOS-5-7	E-2-DOS-23-27	E-3-NYDOS-4-6
Depth	5-7	23-27	4-6
Dilution Factor	1.0	1.0	1.0
Sample Date	9/11/2004	9/11/2004	9/12/2004
Unit	mg/Kg	mg/Kg	mg/Kg
Reactive Cyanide	10 U	10 U	10 U
Reactive Sulfide	40 U	40 U	40 U
TOTAL PETROLEUM HYDROCARBONS	46 U	49 U	49 U
pH	9	8.9	8.3

Notes:

mg/kg - miligrams per kilogram

DUP - denotes field duplicate of preceding sample

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

**Summary of Total RCRA Characteristics in Soil
Caemmerer Yard West Investigation**

Table O.2-43

Location ID	E-3	E-3	E-3
Sample ID	E-3-NYDOS-6-8	E-3-NYDOS12-14	E-3-NYDOS-26-28
Depth	6-8	12-14	26-28
Dilution Factor	1.0	1.0	1.0
Sample Date	9/12/2004	9/12/2004	9/12/2004
Unit	mg/Kg	mg/Kg	mg/Kg
Reactive Cyanide	10 U	10 U	10 U
Reactive Sulfide	40 U	40 U	40 U
TOTAL PETROLEUM HYDROCARBONS	48 U	50 U	67 U
pH	8.9	8.7	8.7

Notes:

mg/kg - miligrams per kilogram

DUP - denotes field duplicate of preceding sample

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

**Summary of Total RCRA Characteristics in Soil
Caemmerer Yard West Investigation**

Table O.2-43

Location ID	E-5	E-5	E-5
Sample ID	E-5-DOS-4-5	E-5-DOS-7-9	E-5-DOS-12-14
Depth	4-5	7-9	12-14
Dilution Factor	1.0	1.0	1.0
Sample Date	9/17/2004	9/17/2004	9/17/2004
Unit	mg/Kg	mg/Kg	mg/Kg
Reactive Cyanide	10 U	10 U	10 U
Reactive Sulfide	40 U	40 U	40 U
TOTAL PETROLEUM HYDROCARBONS	51 U	15 U	53 U
pH	8.5	7.1	8

Notes:

mg/kg - miligrams per kilogram

DUP - denotes field duplicate of preceding sample

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

**Summary of Total RCRA Characteristics in Soil
Caemmerer Yard West Investigation**

Table O.2-43

Location ID	E-5	E-6	E-6
Sample ID	E-5-DOS-16-18	E-6-NYDOS-2-3	E-6-NYDOS-4-6
Depth	16-18	2-3	4-6
Dilution Factor	1.0	1.0	1.0
Sample Date	9/17/2004	9/17/2004	9/15/2004
Unit	mg/Kg	mg/Kg	mg/Kg
Reactive Cyanide	10 U	10 U	-
Reactive Sulfide	40 U	40 U	-
TOTAL PETROLEUM HYDROCARBONS	52 U	18 U	17 U
pH	8.9	8.3	8.4

Notes:

mg/kg - miligrams per kilogram

DUP - denotes field duplicate of preceding sample

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

**Summary of Total RCRA Characteristics in Soil
Caemmerer Yard West Investigation**

Table O.2-43

Location ID	E-6	E-6	E-8
Sample ID	E-6-NYDOS-6-7	E-6-NYDOS-17-19	E-8-NYDOS-4-5
Depth	6-7	17-19	4-5
Dilution Factor	1.0	1.0	1.0
Sample Date	9/17/2004	9/17/2004	9/13/2004
Unit	mg/Kg	mg/Kg	mg/Kg
Reactive Cyanide	10 U	10 U	10 U
Reactive Sulfide	40 U	40 U	40 U
TOTAL PETROLEUM HYDROCARBONS	20 U	18 U	18 U
pH	8.2	8.4	6.9

Notes:

mg/kg - miligrams per kilogram

DUP - denotes field duplicate of preceding sample

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

**Summary of Total RCRA Characteristics in Soil
Caemmerer Yard West Investigation**

Table O.2-43

Location ID	E-8	E-8	E-8
Sample ID	E-8-NYDOS-6-8	E-8-NYDOS-14-16	E-8-NYDOS-28-30
Depth	6-8	14-16	28-30
Dilution Factor	1.0	1.0	1.0
Sample Date	9/13/2004	9/13/2004	9/13/2004
Unit	mg/Kg	mg/Kg	mg/Kg
Reactive Cyanide	10 U	10 U	10 U
Reactive Sulfide	40 U	40 U	40 U
TOTAL PETROLEUM HYDROCARBONS	17 U	19 U	60 U
pH	6.9	8	9

Notes:

mg/kg - miligrams per kilogram

DUP - denotes field duplicate of preceding sample

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

**Summary of Total RCRA Characteristics in Soil
Caemmerer Yard West Investigation**

Table O.2-43

Location ID	E-16	E-16	E-16
Sample ID	E-16-NYDOS-0-2	E-16-NYDOS-2-3	E-16-NYDOS-6.5-7.5
Depth	0-2	2-3	6.5-7.5
Dilution Factor	1.0	1.0	1.0
Sample Date	9/12/2004	9/12/2004	9/12/2004
Unit	mg/Kg	mg/Kg	mg/Kg
Reactive Cyanide	10 U	10 U	10 U
Reactive Sulfide	40 U	40 U	40 U
TOTAL PETROLEUM HYDROCARBONS	49 U	47 U	46 U
pH	9.8	8.3	8.3

Notes:

mg/kg - miligrams per kilogram

DUP - denotes field duplicate of preceding sample

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

**Summary of Total RCRA Characteristics in Soil
Caemmerer Yard West Investigation**

Table O.2-43

Location ID	E-16	E-16	E-16
Sample ID	E-16-NYDOS-12-14	E-16-NYDOS-16-18	E-16-NYDOS-20-22
Depth	12-14	16-18	20-22
Dilution Factor	1.0	1.0	1.0
Sample Date	9/12/2004	9/12/2004	9/12/2004
Unit	mg/Kg	mg/Kg	mg/Kg
Reactive Cyanide	10 U	10 U	10 U
Reactive Sulfide	40 U	40 U	40 U
TOTAL PETROLEUM HYDROCARBONS	49 U	48 U	50 U
pH	8.6	8.7	9.2

Notes:

mg/kg - miligrams per kilogram

DUP - denotes field duplicate of
preceding sample

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

**Summary of Total RCRA Characteristics in Soil
Caemmerer Yard West Investigation**

Table O.2-43

Location ID	E-17	E-17	E-17
Sample ID	E-17-DOS-2-3	E-17-DOS-7-9	E-17-DOS-13-16
Depth	2-3	7-9	13-16
Dilution Factor	1.0	1.0	1.0
Sample Date	9/10/2004	9/10/2004	9/10/2004
Unit	mg/Kg	mg/Kg	mg/Kg
Reactive Cyanide	10 U	10 U	10 U
Reactive Sulfide	40 U	40 U	40 U
TOTAL PETROLEUM HYDROCARBONS	570	47 U	48 U
pH	9.5	8.7	8.8

Notes:

mg/kg - miligrams per kilogram

DUP - denotes field duplicate of preceding sample

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

**Summary of Total RCRA Characteristics in Soil
Caemmerer Yard West Investigation**

Table O.2-43

Location ID	E-10	E-10A	E-10A
Sample ID	E-10-SW-2-3	E-10A-SW-2-4	E-10A-SW-5-9
Depth	2-3	2-4	5-9
Dilution Factor	1.0	1.0	1.0
Sample Date	9/28/2004	9/30/2004	9/30/2004
Unit	mg/Kg	mg/Kg	mg/Kg
Reactive Cyanide	10 U	10 U	10 U
Reactive Sulfide	40 U	40 U	40 U
TOTAL PETROLEUM HYDROCARBONS	580	41 U	43 U
pH	8.2	8.8	9

Notes:

mg/kg - miligrams per kilogram

DUP - denotes field duplicate of preceding sample

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

**Summary of Total RCRA Characteristics in Soil
Caemmerer Yard West Investigation**

Table O.2-43

Location ID	E-15	E-15	E-15
Sample ID	E-15-SW-0-2	E-15-SW-5-6	E-15-SW-12-14
Depth	0-2	5-6	12-14
Dilution Factor	1.0	1.0	1.0
Sample Date	10/1/2004	10/1/2004	10/4/2004
Unit	mg/Kg	mg/Kg	mg/Kg
Reactive Cyanide	10 U	-	10 U
Reactive Sulfide	40 U	-	40 U
TOTAL PETROLEUM HYDROCARBONS	410	-	45 U
pH	7.8	-	7.2

Notes:

mg/kg - miligrams per kilogram

DUP - denotes field duplicate of preceding sample

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

**Summary of Total RCRA Characteristics in Soil
Caemmerer Yard West Investigation**

Table O.2-43

Location ID	E-15	E-40	E-40
Sample ID	E-15-SW-14-17	E-40-SW-2-4	DUP-S-10-05-04
Depth	14-17	2-4	2-4
Dilution Factor	1.0	1.0	1.0
Sample Date	10/4/2004	10/5/2004	10/5/2004
Unit	mg/Kg	mg/Kg	mg/Kg
Reactive Cyanide	10 U	10 U	10 U
Reactive Sulfide	40 U	40 U	40 U
TOTAL PETROLEUM HYDROCARBONS	19 U	16 U	200
pH	7.8	8.8	8.8

Notes:

mg/kg - miligrams per kilogram

DUP - denotes field duplicate of preceding sample

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

**Summary of Total RCRA Characteristics in Soil
Caemmerer Yard West Investigation**

Table O.2-43

Location ID	E-40	E-40	E-40
Sample ID	E-40-SW-6-8	E-40-SW-14-16	E-40-SW-20-22
Depth	6-8	14-16	20-22
Dilution Factor	1.0	1.0	1.0
Sample Date	10/5/2004	10/5/2004	10/5/2004
Unit	mg/Kg	mg/Kg	mg/Kg
Reactive Cyanide	10 U	10 U	10 U
Reactive Sulfide	40 U	40 U	40 U
TOTAL PETROLEUM HYDROCARBONS	910	50 U	49 U
pH	9.1	8.3	8.4

Notes:

mg/kg - miligrams per kilogram

DUP - denotes field duplicate of preceding sample

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

**Summary of Total RCRA Characteristics in Soil
Caemmerer Yard West Investigation**

Table O.2-43

Location ID	E-47	E-47	E-47
Sample ID	E-47-SW12-1-2	DUP-S-10-04-04	DUP-S-10-04-04DL
Depth	1-2	1-2	1-2
Dilution Factor	1.0	1.0	1.0
Sample Date	10/4/2004	10/4/2004	10/4/2004
Unit	mg/Kg	mg/Kg	mg/Kg
Reactive Cyanide	10 U	10 U	-
Reactive Sulfide	40 U	40 U	-
TOTAL PETROLEUM HYDROCARBONS	600	560	-
pH	8.6	8.4	-

Notes:

mg/kg - miligrams per kilogram

DUP - denotes field duplicate of preceding sample

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

**Summary of Total RCRA Characteristics in Soil
Caemmerer Yard West Investigation**

Table O.2-43

Location ID	E-47	E-61	E-61
Sample ID	E-47-SW12-3-5	E-61-SW-2-4	E-61-SW-8-10
Depth	3-5	2-4	8-10
Dilution Factor	1.0	1.0	1.0
Sample Date	10/4/2004	10/3/2004	10/3/2004
Unit	mg/Kg	mg/Kg	mg/Kg
Reactive Cyanide	10 U	10 U	10 U
Reactive Sulfide	40 U	40 U	40 U
TOTAL PETROLEUM HYDROCARBONS	340	47 U	46 U
pH	8.2	8.6	8.6

Notes:

mg/kg - miligrams per kilogram

DUP - denotes field duplicate of preceding sample

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

**Summary of Total RCRA Characteristics in Soil
Caemmerer Yard West Investigation**

Table O.2-43

Location ID	E-61	E-61	E-61
Sample ID	E-61-SW-16-18	E-61-SW-18-20	E-61-SW-22-24
Depth	16-18	18-20	22-24
Dilution Factor	1.0	1.0	1.0
Sample Date	10/4/2004	10/4/2004	10/4/2004
Unit	mg/Kg	mg/Kg	mg/Kg
Reactive Cyanide	-	-	10 U
Reactive Sulfide	-	-	40 U
TOTAL PETROLEUM HYDROCARBONS	18 U	350	17 U
pH	-	-	8.5

Notes:

mg/kg - milligrams per kilogram

DUP - denotes field duplicate of preceding sample

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

**Summary of Total RCRA Characteristics in Soil
Caemmerer Yard West Investigation**

Table O.2-43

Location ID	E-61
Sample ID	E-61-SW-24-26
Depth	24-26
Dilution Factor	1.0
Sample Date	10/4/2004
Unit	mg/Kg
Reactive Cyanide	-
Reactive Sulfide	-
TOTAL PETROLEUM HYDROCARBONS	790
pH	-

Notes:

mg/kg - miligrams per kilogram

DUP - denotes field duplicate of
preceding sample

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

**Summary of Total RCRA Characteristics in Soil
Caemmerer Yard West Investigation**

Table O.2-43

Location ID	E-9	E-9	E-9
Sample ID	E-9-NYCTA-2-3	E-9-NYCTA-10-16	DUP-S-09-30-04-2
Depth	2-3	10-16	10-16
Dilution Factor	1.0	1.0	1.0
Sample Date	9/28/2004	9/29/2004	9/30/2004
Unit	mg/Kg	mg/Kg	mg/Kg
Reactive Cyanide	10 U	10 U	10 U
Reactive Sulfide	40 U	40 U	40 U
TOTAL PETROLEUM HYDROCARBONS	600	49 U	340
pH	8.7	7.9	9.3

Notes:

mg/kg - milligrams per kilogram

DUP - denotes field duplicate of
preceding sample

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

**Summary of Total RCRA Characteristics in Soil
Caemmerer Yard West Investigation**

Table O.2-43

Location ID	E-22	E-22	E-22
Sample ID	E-22-NYCTA-2-2.5	E-22-NYCTA-4.5-5	E-22-NYCTA-18-20
Depth	2-2.5	4.5-5	18-20
Dilution Factor	1.0	1.0	1.0
Sample Date	9/24/2004	9/24/2004	9/25/2004
Unit	mg/Kg	mg/Kg	mg/Kg
Reactive Cyanide	10 U	10 U	10 U
Reactive Sulfide	40 U	40 U	40 U
TOTAL PETROLEUM HYDROCARBONS	1600	940	870
pH	8.9	8.7	8.2

Notes:

mg/kg - milligrams per kilogram

DUP - denotes field duplicate of
preceding sample

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

**Summary of Total RCRA Characteristics in Soil
Caemmerer Yard West Investigation**

Table O.2-43

Location ID	E-22	E-13	E-13
Sample ID	E-22-NYCTA-35-37	E-13-GH-2-3	E-13-GH-5-7
Depth	35-37	2-3	5-7
Dilution Factor	1.0	1.0	1.0
Sample Date	9/25/2004	9/16/2004	9/16/2004
Unit	mg/Kg	mg/Kg	mg/Kg
Reactive Cyanide	10 U	10 U	10 U
Reactive Sulfide	40 U	47 U	40 U
TOTAL PETROLEUM HYDROCARBONS	20 U	18 U	16 U
pH	9.1	10.6	8.8

Notes:

mg/kg - milligrams per kilogram

DUP - denotes field duplicate of
preceding sample

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

**Summary of Total RCRA Characteristics in Soil
Caemmerer Yard West Investigation**

Table O.2-43

Location ID	E-19	E-19	E-19
Sample ID	E-19-GH-0-2	E-19-GH-2-4	E-19-GH-7-8
Depth	0-2	2-4	7-8
Dilution Factor	1.0	1.0	1.0
Sample Date	9/25/2004	9/25/2004	9/25/2004
Unit	mg/Kg	mg/Kg	mg/Kg
Reactive Cyanide	10 U	10 U	10 U
Reactive Sulfide	40 U	40 U	40 U
TOTAL PETROLEUM HYDROCARBONS	44	17 U	18 U
pH	9.2	8.1	8

Notes:

mg/kg - milligrams per kilogram

DUP - denotes field duplicate of
preceding sample

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

**Summary of Total RCRA Characteristics in Soil
Caemmerer Yard West Investigation**

Table O.2-43

Location ID	E-19	E-19	E-19
Sample ID	E-19-GH-10-12	E-19-GH-12-14	E-19-GH-17-19
Depth	10-12	12-14	17-19
Dilution Factor	1.0	1.0	1.0
Sample Date	9/25/2004	9/25/2004	9/25/2004
Unit	mg/Kg	mg/Kg	mg/Kg
Reactive Cyanide	10 U	10 U	10 U
Reactive Sulfide	40 U	40 U	40 U
TOTAL PETROLEUM HYDROCARBONS	20 U	19 U	18 U
pH	8	-	8

Notes:

mg/kg - milligrams per kilogram

DUP - denotes field duplicate of
preceding sample

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

**Summary of Total RCRA Characteristics in Soil
Caemmerer Yard West Investigation**

Table O.2-43

Location ID	E-19	E-19	E-20
Sample ID	DUP-S-09-25-04	E-19-GH-19-21	E-20-GH-2-4
Depth	17-19	19-21	2-4
Dilution Factor	1.0	1.0	1.0
Sample Date	9/25/2004	9/25/2004	9/21/2004
Unit	mg/Kg	mg/Kg	mg/Kg
Reactive Cyanide	10 U	10 U	10 U
Reactive Sulfide	40 U	40 U	40 U
TOTAL PETROLEUM HYDROCARBONS	18 U	19 U	49
pH	7.9	8.5	8.3

Notes:

mg/kg - milligrams per kilogram

DUP - denotes field duplicate of preceding sample

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

**Summary of Total RCRA Characteristics in Soil
Caemmerer Yard West Investigation**

Table O.2-43

Location ID	E-20	E-20	E-20
Sample ID	E-20-GH-4-6	E-20-GH-8-10	E-20-GH-12-14
Depth	4-6	8-10	12-14
Dilution Factor	1.0	1.0	1.0
Sample Date	9/21/2004	9/21/2004	9/21/2004
Unit	mg/Kg	mg/Kg	mg/Kg
Reactive Cyanide	10 U	10 U	10 U
Reactive Sulfide	40 U	40 U	40 U
TOTAL PETROLEUM HYDROCARBONS	790	18 U	19 U
pH	8.4	7.9	8.3

Notes:

mg/kg - milligrams per kilogram

DUP - denotes field duplicate of preceding sample

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

**Summary of Total RCRA Characteristics in Soil
Caemmerer Yard West Investigation**

Table O.2-43

Location ID	E-20	E-21	E-21
Sample ID	E-20-GH-41-45	E-21-GH-0-2	E-21-GH-2-4
Depth	41-45	0-2	2-4
Dilution Factor	1.0	1.0	1.0
Sample Date	9/21/2004	9/16/2004	9/16/2004
Unit	mg/Kg	mg/Kg	mg/Kg
Reactive Cyanide	10 U	10 U	10 U
Reactive Sulfide	40 U	40 U	40 U
TOTAL PETROLEUM HYDROCARBONS	22 U	510	17 U
pH	8.6	9.2	8.5

Notes:

mg/kg - milligrams per kilogram

DUP - denotes field duplicate of preceding sample

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

**Summary of Total RCRA Characteristics in Soil
Caemmerer Yard West Investigation**

Table O.2-43

Location ID	E-21	E-21	E-31
Sample ID	E-21-GH-6-8	E-21-GH-20-22	E-31-GH-4-6
Depth	6-8	20-22	4-6
Dilution Factor	1.0	1.0	1.0
Sample Date	9/16/2004	9/16/2004	9/16/2004
Unit	mg/Kg	mg/Kg	mg/Kg
Reactive Cyanide	10 U	10 U	10 U
Reactive Sulfide	40 U	40 U	40 U
TOTAL PETROLEUM HYDROCARBONS	18 U	18 U	590
pH	9	9.1	9.4

Notes:

mg/kg - milligrams per kilogram

DUP - denotes field duplicate of preceding sample

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

**Summary of Total RCRA Characteristics in Soil
Caemmerer Yard West Investigation**

Table O.2-43

Location ID	E-31	SB-E-03	SB-E-03
Sample ID	E-31-GH-16-18	SB-E-03-GH-2-4	SB-E-03-GH-14-16
Depth	16-18	2-4	14-16
Dilution Factor	1.0	1.0	1.0
Sample Date	9/16/2004	9/22/2004	9/22/2004
Unit	mg/Kg	mg/Kg	mg/Kg
Reactive Cyanide	10 U	10 U	10 U
Reactive Sulfide	40 U	40 U	40 U
TOTAL PETROLEUM HYDROCARBONS	25 U	1000	53 U
pH	8.4	9	8.7

Notes:

mg/kg - milligrams per kilogram

DUP - denotes field duplicate of preceding sample

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

**Summary of Total RCRA Characteristics in Soil
Caemmerer Yard West Investigation**

Table O.2-43

Location ID	SB-H-22	SB-H-22	SB-H-22
Sample ID	SB-H-22-GH-1-2	SB-H-22-GH-6-8	SB-H-22-GH-11-15
Depth	1-2	6-8	11-15
Dilution Factor	1.0	1.0	1.0
Sample Date	9/25/2004	9/25/2004	9/25/2004
Unit	mg/Kg	mg/Kg	mg/Kg
Reactive Cyanide	10 U	10 U	10 U
Reactive Sulfide	40 U	40 U	40 U
TOTAL PETROLEUM HYDROCARBONS	330	17 U	930
pH	9.3	7.9	7.2

Notes:

mg/kg - milligrams per kilogram

DUP - denotes field duplicate of
preceding sample

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

**Summary of Total RCRA Characteristics in Soil
Caemmerer Yard West Investigation**

Table O.2-43

Location ID	SB-H-22	SB-H-22	SB-H-22
Sample ID	SB-H-22-GH-15-16	SB-H-22-GH-19-23	SB-H-22-GH-23-25
Depth	15-16	19-23	23-25
Dilution Factor	1.0	1.0	1.0
Sample Date	9/25/2004	9/25/2004	9/25/2004
Unit	mg/Kg	mg/Kg	mg/Kg
Reactive Cyanide	10 U	10 U	10 U
Reactive Sulfide	40 U	40 U	40 U
TOTAL PETROLEUM HYDROCARBONS	18 U	18 U	400
pH	8.5	8.2	8.2

Notes:

mg/kg - milligrams per kilogram

DUP - denotes field duplicate of
preceding sample

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

**Summary of Total Herbicides and Pesticides in Soil
Caemmerer Yard West Investigation**

Table O.2-44

Location ID Sample ID Depth Dilution Factor Sample Date Unit	SB-H-04		SB-H-04	
	SB-H-04-LIRR-2-4		SB-H-04-LIRR-8-10	
	2-4		8-10	
	1.0		1.0	
	9/21/2004		9/21/2004	
	ug/Kg		ug/Kg	
1,1,1-TRICHLORO-2,2-BIS (P-METHOXYPHENYL)-ETHANE	1.3	U	1.8	U
2,4,5-T (2,4,5-TRICHLOROPHENOXYACETIC ACID)	1.3	U	1.9	U
2,4-D	4.8	U	6.6	U
2,4-DB	2.9	U	3.9	U
4,4'- DDD	1.1	U	1.5	U
4,4'-DDE	1.3	U	1.8	U
4,4'-DDT	1.9	U	2.7	U
ALDRIN	1.1	U	1.5	U
ALPHA- BHC	1.2	U	1.6	U
alpha-Chlordane	1.5	U	2.1	U
BETA - BHC	1.2	U	1.6	U
CAMPHECHLOR	3.1	U	4.3	U
DELTA - BHC	0.92	U	1.3	U
DICAMBA	1.4	U	1.9	U
DICHLORPROP	3	U	4.2	U
DIELDRIN	1.1	U	1.5	U
DINITROBUTYL PHENOL	1.1	U	1.6	U
ENDOSULFAN I	1.5	U	2.1	U
Endosulfan II	1.4	U	1.9	U
ENDOSULFAN SULFATE	1.5	U	2.1	U
ENDRIN	1.9	U	2.6	U
ENDRIN ALDEHYDE	1.6	U	2.2	U
ENDRIN KETONE	1.4	U	1.9	U
GAMMA - BHC (LINDANE)	1.3	U	1.7	U
gamma-Chlordane	1.5	U	2.1	U
HEPTACHLOR	1.4	U	1.9	U
HEPTACHLOR EPOXIDE	1.3	U	1.8	U
SILVEX	1.4	U	2	U

Notes:

ug/kg - micrograms per kilogram

DUP - denotes field duplicate of preceding sample

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

J - Indicates an estimated value

P - This flag is used for Pesticide target analyte when there
is >25% difference for detected concentrations between two GC columns
The lower of the two values is reported on Form 1 and flagged with a "P"

**Summary of Total Herbicides and Pesticides in Soil
Caemmerer Yard West Investigation**

Table O.2-44

Location ID Sample ID Depth Dilution Factor Sample Date Unit	SB-H-04 SB-H-04-LIRR-12-14		SB-H-04 SB-H-04-LIRR-18-20	
	12-14		18-20	
	1.0		1.0	
	9/21/2004		9/21/2004	
	ug/Kg		ug/Kg	
1,1,1-TRICHLORO-2,2-BIS (P-METHOXYPHENYL)-ETHANE	1.6	U	2.1	U
2,4,5-T (2,4,5-TRICHLOROPHENOXYACETIC ACID)	1.6	U	2.2	U
2,4-D	5.9	U	7.7	U
2,4-DB	3.5	U	4.6	U
4,4'- DDD	1.3	U	1.7	U
4,4'-DDE	1.6	U	2.1	U
4,4'-DDT	2.3	U	3.1	U
ALDRIN	1.3	U	1.8	U
ALPHA- BHC	1.4	U	1.9	U
alpha-Chlordane	1.9	U	2.5	U
BETA - BHC	1.4	U	1.9	U
CAMPHECHLOR	3.8	U	5	U
DELTA - BHC	1.1	U	1.5	U
DICAMBA	1.7	U	2.2	U
DICHLORPROP	3.7	U	4.8	U
DIELDRIN	1.3	U	1.7	U
DINITROBUTYL PHENOL	1.4	U	1.8	U
ENDOSULFAN I	1.9	U	2.4	U
Endosulfan II	1.7	U	2.2	U
ENDOSULFAN SULFATE	1.9	U	2.5	U
ENDRIN	2.3	U	3.1	U
ENDRIN ALDEHYDE	1.9	U	2.5	U
ENDRIN KETONE	1.6	U	2.2	U
GAMMA - BHC (LINDANE)	1.5	U	2	U
gamma-Chlordane	1.9	U	2.5	U
HEPTACHLOR	1.7	U	2.2	U
HEPTACHLOR EPOXIDE	1.6	U	2.1	U
SILVEX	1.8	U	2.3	U

Notes:

ug/kg - micrograms per kilogram

DUP - denotes field duplicate of preceding sample

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

J - Indicates an estimated value

P - This flag is used for Pesticide target analyte when there
is >25% difference for detected concentrations between two GC columns
The lower of the two values is reported on Form 1 and flagged with a "P"

**Summary of Total Herbicides and Pesticides in Soil
Caemmerer Yard West Investigation**

Table O.2-44

Location ID	SB-H-05		SB-H-05	
Sample ID	SB-H-05-LIRR-4-6		SB-H-05-LIRR-10-12	
Depth	4-6		10-12	
Dilution Factor	1.0		1.0	
Sample Date	9/17/2004		9/21/2004	
Unit	ug/Kg		ug/Kg	
1,1,1-TRICHLORO-2,2-BIS (P-METHOXYPHENYL)-ETHANE	1.3	U	1.7	U
2,4,5-T (2,4,5-TRICHLOROPHENOXYACETIC ACID)	1.4	U	1.7	U
2,4-D	4.8	U	6	U
2,4-DB	2.9	U	3.6	U
4,4'- DDD	1.1	U	1.4	U
4,4'-DDE	1.4	U	1.7	U
4,4'-DDT	2	U	2.4	U
ALDRIN	1.1	U	1.4	U
ALPHA- BHC	1.2	U	1.5	U
alpha-Chlordane	1.6	U	2	U
BETA - BHC	1.2	U	1.5	U
CAMPHECHLOR	3.2	U	4	U
DELTA - BHC	0.94	U	1.2	U
DICAMBA	1.4	U	1.7	U
DICHLORPROP	3	U	3.8	U
DIELDRIN	1.1	U	1.3	U
DINITROBUTYL PHENOL	78	P	1.4	U
ENDOSULFAN I	1.6	U	1.9	U
Endosulfan II	1.4	U	1.8	U
ENDOSULFAN SULFATE	1.6	U	2	U
ENDRIN	1.9	U	2.4	U
ENDRIN ALDEHYDE	1.6	U	2	U
ENDRIN KETONE	1.4	U	1.7	U
GAMMA - BHC (LINDANE)	1.3	U	1.6	U
gamma-Chlordane	1.6	U	2	U
HEPTACHLOR	1.4	U	1.7	U
HEPTACHLOR EPOXIDE	1.4	U	1.7	U
SILVEX	1.5	U	1.8	U

Notes:

ug/kg - micrograms per kilogram

DUP - denotes field duplicate of preceding sample

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

J - Indicates an estimated value

P - This flag is used for Pesticide target analyte when there
is >25% difference for detected concentrations between two GC columns
The lower of the two values is reported on Form 1 and flagged with a "P"

**Summary of Total Herbicides and Pesticides in Soil
Caemmerer Yard West Investigation**

Table O.2-44

Location ID	SB-H-05		SB-H-06	
Sample ID	SB-H-05-LIRR-18-20		SB-H-06-LIRR-2-4	
Depth	18-20		2-4	
Dilution Factor	1.0		1.0	
Sample Date	9/21/2004		9/22/2004	
Unit	ug/Kg		ug/Kg	
1,1,1-TRICHLORO-2,2-BIS (P-METHOXYPHENYL)-ETHANE	1.6	U	1.3	U
2,4,5-T (2,4,5-TRICHLOROPHENOXYACETIC ACID)	1.6	U	1.3	U
2,4-D	5.9	U	4.8	U
2,4-DB	3.5	U	2.9	U
4,4'- DDD	1.3	U	1.1	U
4,4'-DDE	1.6	U	1.4	U
4,4'-DDT	2.4	U	1.9	U
ALDRIN	1.3	U	1.1	U
ALPHA- BHC	1.4	U	1.2	U
alpha-Chlordane	1.9	U	1.6	U
BETA - BHC	1.5	U	1.2	U
CAMPHECHLOR	3.8	U	3.2	U
DELTA - BHC	1.1	U	0.94	U
DICAMBA	1.7	U	1.4	U
DICHLORPROP	3.7	U	3	U
DIELDRIN	1.3	U	1.1	U
DINITROBUTYL PHENOL	1.4	U	1.1	U
ENDOSULFAN I	1.9	U	1.5	U
Endosulfan II	1.7	U	1.4	U
ENDOSULFAN SULFATE	1.9	U	1.6	U
ENDRIN	2.3	U	1.9	U
ENDRIN ALDEHYDE	2	U	1.6	U
ENDRIN KETONE	1.7	U	1.4	U
GAMMA - BHC (LINDANE)	1.6	U	1.3	U
gamma-Chlordane	1.9	U	1.6	U
HEPTACHLOR	1.7	U	1.4	U
HEPTACHLOR EPOXIDE	1.6	U	1.3	U
SILVEX	1.8	U	1.5	U

Notes:

ug/kg - micrograms per kilogram

DUP - denotes field duplicate of preceding sample

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

J - Indicates an estimated value

P - This flag is used for Pesticide target analyte when there
is >25% difference for detected concentrations between two GC columns
The lower of the two values is reported on Form 1 and flagged with a "P"

**Summary of Total Herbicides and Pesticides in Soil
Caemmerer Yard West Investigation**

Table O.2-44

Location ID Sample ID Depth Dilution Factor Sample Date Unit	SB-H-06 SB-H-06-LIRR-8-10 8-10 1.0 9/22/2004 ug/Kg		SB-H-06 SB-H-06-LIRR-10-12 10-12 1.0 9/22/2004 ug/Kg	
	1,1,1-TRICHLORO-2,2-BIS (P-METHOXYPHENYL)-ETHANE	1.5	U	1.6
2,4,5-T (2,4,5-TRICHLOROPHENOXYACETIC ACID)	1.5	U	1.6	U
2,4-D	5.4	U	5.9	U
2,4-DB	3.2	U	3.5	U
4,4'- DDD	1.2	U	1.3	U
4,4'-DDE	1.5	U	1.6	U
4,4'-DDT	2.2	U	2.4	U
ALDRIN	1.3	U	1.3	U
ALPHA- BHC	1.3	U	1.4	U
alpha-Chlordane	1.8	U	1.9	U
BETA - BHC	1.4	U	1.5	U
CAMPHECHLOR	3.6	U	3.8	U
DELTA - BHC	1.1	U	1.1	U
DICAMBA	1.5	U	1.7	U
DICHLORPROP	3.4	U	3.7	U
DIELDRIN	1.2	U	1.3	U
DINITROBUTYL PHENOL	1.3	U	1.4	U
ENDOSULFAN I	1.7	U	1.9	U
Endosulfan II	1.6	U	1.7	U
ENDOSULFAN SULFATE	1.8	U	1.9	U
ENDRIN	2.2	U	2.3	U
ENDRIN ALDEHYDE	1.8	U	1.9	U
ENDRIN KETONE	1.5	U	1.7	U
GAMMA - BHC (LINDANE)	1.4	U	1.5	U
gamma-Chlordane	1.8	U	1.9	U
HEPTACHLOR	1.6	U	1.7	U
HEPTACHLOR EPOXIDE	1.5	U	1.6	U
SILVEX	1.6	U	1.8	U

Notes:

- ug/kg - micrograms per kilogram
- DUP - denotes field duplicate of preceding sample
- U - Indicates the compound was analyzed for
but was not detected
- J - Indicates an estimated value
- P - This flag is used for Pesticide target analyte when there
is >25% difference for detected concentrations between two GC columns
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**Summary of Total Herbicides and Pesticides in Soil
Caemmerer Yard West Investigation**

Table O.2-44

Location ID	SB-H-06		SB-H-07	
Sample ID	SB-H-06-LIRR-24-26		SB-H-07-LIRR-2-4	
Depth	24-26		2-4	
Dilution Factor			1.0	
Sample Date	9/22/2004		10/1/2004	
Unit	ug/Kg		ug/Kg	
1,1,1-TRICHLORO-2,2-BIS (P-METHOXYPHENYL)-ETHANE	2	U	--	
2,4,5-T (2,4,5-TRICHLOROPHENOXYACETIC ACID)	1.6	U	--	
2,4-D	2	U	--	
2,4-DB	2.9	U	--	
4,4'- DDD	1.7	U	--	
4,4'-DDE	1.8	U	--	
4,4'-DDT	2.3	U	--	
ALDRIN	1.8	U	--	
ALPHA- BHC	4.7	U	--	
alpha-Chlordane	1.4	U	--	
BETA - BHC	1.9	U	--	
CAMPHECHLOR	2.3	U	--	
DELTA - BHC	2.1	U	--	
DICAMBA	2	U	--	
DICHLORPROP	8.2	U	--	
DIELDRIN	2.1	U	--	
DINITROBUTYL PHENOL	13	U	--	
ENDOSULFAN I	3.5	U	--	
Endosulfan II	8.7	U	--	
ENDOSULFAN SULFATE	17	U	--	
ENDRIN	3.2	U	--	
ENDRIN ALDEHYDE	2	U	--	
ENDRIN KETONE	7.2	U	--	
GAMMA - BHC (LINDANE)	4.3	U	--	
gamma-Chlordane	2	U	--	
HEPTACHLOR	4.5	U	--	
HEPTACHLOR EPOXIDE	1.7	U	--	
SILVEX	2.2	U	--	

Notes:

ug/kg - micrograms per kilogram

DUP - denotes field duplicate of preceding sample

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

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**Summary of Total Herbicides and Pesticides in Soil
Caemmerer Yard West Investigation**

Table O.2-44

Location ID	SB-H-07	SB-H-07
Sample ID	SB-H-07-LIRR-4-6	SB-H-07-LIRR-14-16
Depth	4-6	14-16
Dilution Factor	1.0	1.0
Sample Date	10/1/2004	10/1/2004
Unit	ug/Kg	ug/Kg
1,1,1-TRICHLORO-2,2-BIS (P-METHOXYPHENYL)-ETHANE	--	1.6 U
2,4,5-T (2,4,5-TRICHLOROPHENOXYACETIC ACID)	--	1.6 U
2,4-D	--	5.9 U
2,4-DB	--	3.5 U
4,4'- DDD	--	1.3 U
4,4'-DDE	--	1.6 U
4,4'-DDT	--	2.3 U
ALDRIN	--	1.3 U
ALPHA- BHC	--	1.4 U
alpha-Chlordane	--	1.9 U
BETA - BHC	--	1.4 U
CAMPHECHLOR	--	3.8 U
DELTA - BHC	--	1.1 U
DICAMBA	--	1.7 U
DICHLORPROP	--	3.7 U
DIELDRIN	--	1.3 U
DINITROBUTYL PHENOL	--	1.4 U
ENDOSULFAN I	--	1.9 U
Endosulfan II	--	1.7 U
ENDOSULFAN SULFATE	--	1.9 U
ENDRIN	--	2.3 U
ENDRIN ALDEHYDE	--	1.9 U
ENDRIN KETONE	--	1.7 U
GAMMA - BHC (LINDANE)	--	1.5 U
gamma-Chlordane	--	1.9 U
HEPTACHLOR	--	1.7 U
HEPTACHLOR EPOXIDE	--	1.6 U
SILVEX	--	1.8 U

Notes:

ug/kg - micrograms per kilogram

DUP - denotes field duplicate of preceding sample

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**Summary of Total Herbicides and Pesticides in Soil
Caemmerer Yard West Investigation**

Table O.2-44

Location ID	SB-H-07		SB-H-07	
Sample ID	DUP-SB-H-07-LIRR		SB-H-07-LIRR-24-26	
Depth	14-16		24-26	
Dilution Factor	1.0		1.0	
Sample Date	10/1/2004		10/1/2004	
Unit	ug/Kg		ug/Kg	
1,1,1-TRICHLORO-2,2-BIS (P-METHOXYPHENYL)-ETHANE	1.9	U	1.9	U
2,4,5-T (2,4,5-TRICHLOROPHENOXYACETIC ACID)	1.9	U	2	U
2,4-D	6.9	U	7.1	U
2,4-DB	4.1	U	4.2	U
4,4'- DDD	1.5	U	1.6	U
4,4'-DDE	1.9	U	2	U
4,4'-DDT	2.8	U	2.8	U
ALDRIN	1.6	U	1.6	U
ALPHA- BHC	1.7	U	1.7	U
alpha-Chlordane	2.2	U	2.3	U
BETA - BHC	1.7	U	1.8	U
CAMPHECHLOR	4.5	U	4.6	U
DELTA - BHC	1.3	U	1.4	U
DICAMBA	1.9	U	2	U
DICHLORPROP	4.3	U	4.5	U
DIELDRIN	1.5	U	1.6	U
DINITROBUTYL PHENOL	1.6	U	1.7	U
ENDOSULFAN I	2.2	U	2.3	U
Endosulfan II	2	U	2	U
ENDOSULFAN SULFATE	2.2	U	2.3	U
ENDRIN	2.8	U	2.8	U
ENDRIN ALDEHYDE	2.3	U	2.3	U
ENDRIN KETONE	2	U	2	U
GAMMA - BHC (LINDANE)	1.8	U	1.9	U
gamma-Chlordane	2.2	U	2.3	U
HEPTACHLOR	2	U	2	U
HEPTACHLOR EPOXIDE	1.9	U	2	U
SILVEX	2.1	U	2.1	U

Notes:

ug/kg - micrograms per kilogram

DUP - denotes field duplicate of preceding sample

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but was not detected

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**Summary of Total Herbicides and Pesticides in Soil
Caemmerer Yard West Investigation**

Table O.2-44

Location ID Sample ID Depth Dilution Factor Sample Date Unit	SB-H-08		SB-H-08	
	SB-H-08-LIRR-2-4		SB-H-08-LIRR-4-6	
	2-4		4-6	
	1.0		1.0	
	10/1/2004		10/1/2004	
	ug/Kg		ug/Kg	
1,1,1-TRICHLORO-2,2-BIS (P-METHOXYPHENYL)-ETHANE	1.4	U	1.5	U
2,4,5-T (2,4,5-TRICHLOROPHENOXYACETIC ACID)	1.4	U	1.5	U
2,4-D	5	U	5.4	U
2,4-DB	3	U	3.2	U
4,4'- DDD	1.1	U	1.2	U
4,4'-DDE	1.4	U	1.5	U
4,4'-DDT	2	U	2.1	U
ALDRIN	1.2	U	1.2	U
ALPHA- BHC	1.2	U	1.3	U
alpha-Chlordane	1.6	U	1.7	U
BETA - BHC	1.3	U	1.3	U
CAMPHECHLOR	3.3	U	3.5	U
DELTA - BHC	0.98	U	1	U
DICAMBA	1.4	U	1.5	U
DICHLORPROP	3.2	U	3.4	U
DIELDRIN	1.1	U	1.2	U
DINITROBUTYL PHENOL	1.2	U	1.3	U
ENDOSULFAN I	1.6	U	1.7	U
Endosulfan II	1.5	U	1.5	U
ENDOSULFAN SULFATE	1.6	U	1.7	U
ENDRIN	2	U	2.1	U
ENDRIN ALDEHYDE	1.7	U	1.8	U
ENDRIN KETONE	1.4	U	1.5	U
GAMMA - BHC (LINDANE)	1.3	U	1.4	U
gamma-Chlordane	1.6	U	1.7	U
HEPTACHLOR	1.4	U	1.5	U
HEPTACHLOR EPOXIDE	1.4	U	1.5	U
SILVEX	1.5	U	1.6	U

Notes:

ug/kg - micrograms per kilogram

DUP - denotes field duplicate of preceding sample

U - Indicates the compound was analyzed for
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**Summary of Total Herbicides and Pesticides in Soil
Caemmerer Yard West Investigation**

Table O.2-44

Location ID Sample ID Depth Dilution Factor Sample Date Unit	SB-H-08		SB-H-08	
	SB-H-08-LIRR-16-18		SB-H-08-LIRR-18-20	
	16-18		18-20	
	1.0		1.0	
	10/1/2004		10/1/2004	
	ug/Kg		ug/Kg	
1,1,1-TRICHLORO-2,2-BIS (P-METHOXYPHENYL)-ETHANE	1.5	U	2.2	U
2,4,5-T (2,4,5-TRICHLOROPHENOXYACETIC ACID)	1.5	U	2.3	U
2,4-D	5.4	U	8.1	U
2,4-DB	3.2	U	4.8	U
4,4'- DDD	1.2	U	1.8	U
4,4'-DDE	1.5	U	2.2	U
4,4'-DDT	2.2	U	3.2	U
ALDRIN	1.2	U	1.8	U
ALPHA- BHC	1.3	U	2	U
alpha-Chlordane	1.8	U	2.6	U
BETA - BHC	1.4	U	2	U
CAMPHECHLOR	3.6	U	5.2	U
DELTA - BHC	1.1	U	1.6	U
DICAMBA	1.5	U	2.3	U
DICHLORPROP	3.4	U	5.1	U
DIELDRIN	1.2	U	1.8	U
DINITROBUTYL PHENOL	1.3	U	1.9	U
ENDOSULFAN I	1.7	U	2.6	U
Endosulfan II	1.6	U	2.3	U
ENDOSULFAN SULFATE	1.8	U	2.6	U
ENDRIN	2.2	U	3.2	U
ENDRIN ALDEHYDE	1.8	U	2.7	U
ENDRIN KETONE	1.5	U	2.3	U
GAMMA - BHC (LINDANE)	1.4	U	2.1	U
gamma-Chlordane	1.8	U	2.6	U
HEPTACHLOR	1.6	U	2.3	U
HEPTACHLOR EPOXIDE	1.5	U	2.2	U
SILVEX	1.6	U	2.4	U

Notes:

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**Summary of Total Herbicides and Pesticides in Soil
Caemmerer Yard West Investigation**

Table O.2-44

Location ID	SB-H-10		SB-H-10	
Sample ID	SB-H-10-LIRR-4-6		DUP-2-09-22-04	
Depth	4-6		4-6	
Dilution Factor	1.0		1.0	
Sample Date	9/22/2004		9/21/2004	
Unit	ug/Kg		ug/Kg	
1,1,1-TRICHLORO-2,2-BIS (P-METHOXYPHENYL)-ETHANE	1.4	U	1.4	U
2,4,5-T (2,4,5-TRICHLOROPHENOXYACETIC ACID)	1.4	U	1.4	U
2,4-D	5	U	5	U
2,4-DB	3	U	3	U
4,4'- DDD	1.1	U	1.1	U
4,4'-DDE	1.4	U	1.4	U
4,4'-DDT	2	U	2	U
ALDRIN	1.1	U	1.2	U
ALPHA- BHC	1.2	U	1.2	U
alpha-Chlordane	1.6	U	1.6	U
BETA - BHC	1.2	U	1.3	U
CAMPHECHLOR	3.3	U	3.3	U
DELTA - BHC	0.96	U	0.98	U
DICAMBA	1.4	U	1.4	U
DICHLORPROP	3.1	U	3.2	U
DIELDRIN	1.1	U	1.1	U
DINITROBUTYL PHENOL	1.2	U	1.2	U
ENDOSULFAN I	1.6	U	1.6	U
Endosulfan II	1.4	U	1.5	U
ENDOSULFAN SULFATE	1.6	U	1.6	U
ENDRIN	2	U	2	U
ENDRIN ALDEHYDE	1.7	U	1.7	U
ENDRIN KETONE	1.4	U	1.4	U
GAMMA - BHC (LINDANE)	1.3	U	1.3	U
gamma-Chlordane	1.6	U	1.6	U
HEPTACHLOR	1.4	U	1.4	U
HEPTACHLOR EPOXIDE	1.4	U	1.4	U
SILVEX	1.5	U	1.5	U

Notes:

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- DUP - denotes field duplicate of preceding sample
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**Summary of Total Herbicides and Pesticides in Soil
Caemmerer Yard West Investigation**

Table O.2-44

Location ID Sample ID Depth Dilution Factor Sample Date Unit	SB-H-10 SB-H-10-LIRR-6-8 6-8 1.0 9/22/2004 ug/Kg		SB-H-10 SB-H-10-LIRR-22-24 22-24 1.0 9/22/2004 ug/Kg	
	1,1,1-TRICHLORO-2,2-BIS (P-METHOXYPHENYL)-ETHANE	1.4	U	1.5
2,4,5-T (2,4,5-TRICHLOROPHENOXYACETIC ACID)	1.5	U	1.5	U
2,4-D	5.3	U	5.4	U
2,4-DB	3.1	U	3.2	U
4,4'- DDD	1.2	U	1.2	U
4,4'-DDE	1.5	U	1.5	U
4,4'-DDT	2.1	U	2.2	U
ALDRIN	1.2	U	1.2	U
ALPHA- BHC	1.3	U	1.3	U
alpha-Chlordane	1.7	U	1.8	U
BETA - BHC	1.3	U	1.4	U
CAMPHECHLOR	3.4	U	3.5	U
DELTA - BHC	1	U	1	U
DICAMBA	1.5	U	1.5	U
DICHLORPROP	3.3	U	3.4	U
DIELDRIN	1.2	U	1.2	U
DINITROBUTYL PHENOL	1.2	U	1.3	U
ENDOSULFAN I	1.7	U	1.7	U
Endosulfan II	1.5	U	1.6	U
ENDOSULFAN SULFATE	1.7	U	1.8	U
ENDRIN	2.1	U	2.2	U
ENDRIN ALDEHYDE	1.7	U	1.8	U
ENDRIN KETONE	1.5	U	1.5	U
GAMMA - BHC (LINDANE)	1.4	U	1.4	U
gamma-Chlordane	1.7	U	1.8	U
HEPTACHLOR	1.5	U	1.6	U
HEPTACHLOR EPOXIDE	1.5	U	1.5	U
SILVEX	1.6	U	1.6	U

Notes:

ug/kg - micrograms per kilogram

DUP - denotes field duplicate of preceding sample

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**Summary of Total Herbicides and Pesticides in Soil
Caemmerer Yard West Investigation**

Table O.2-44

Location ID	SB-H-12		SB-H-12	
Sample ID	SB-H-12-LIRR-0-2		SB-H-12-LIRR-6-9	
Depth	0-2		6-9	
Dilution Factor	1.0		1.0	
Sample Date	10/1/2004		10/2/2004	
Unit	ug/Kg		ug/Kg	
1,1,1-TRICHLORO-2,2-BIS (P-METHOXYPHENYL)-ETHANE	1.4	U	1.5	U
2,4,5-T (2,4,5-TRICHLOROPHENOXYACETIC ACID)	1.4	U	1.5	U
2,4-D	5	U	5.4	U
2,4-DB	3	U	3.2	U
4,4'- DDD	1.1	U	1.2	U
4,4'-DDE	1.4	U	1.5	U
4,4'-DDT	2	U	2.2	U
ALDRIN	1.1	U	1.2	U
ALPHA- BHC	1.2	U	1.3	U
alpha-Chlordane	1.6	U	1.7	U
BETA - BHC	1.2	U	1.3	U
CAMPHECHLOR	3.3	U	3.5	U
DELTA - BHC	0.96	U	1	U
DICAMBA	1.4	U	1.5	U
DICHLORPROP	3.1	U	3.4	U
DIELDRIN	1.1	U	1.2	U
DINITROBUTYL PHENOL	1.2	U	1.3	U
ENDOSULFAN I	1.6	U	1.7	U
Endosulfan II	1.4	U	1.5	U
ENDOSULFAN SULFATE	1.6	U	1.7	U
ENDRIN	2	U	2.1	U
ENDRIN ALDEHYDE	1.7	U	1.8	U
ENDRIN KETONE	1.4	U	1.5	U
GAMMA - BHC (LINDANE)	1.3	U	1.4	U
gamma-Chlordane	1.6	U	1.7	U
HEPTACHLOR	1.4	U	1.5	U
HEPTACHLOR EPOXIDE	1.4	U	1.5	U
SILVEX	1.5	U	1.6	U

Notes:

ug/kg - micrograms per kilogram

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**Summary of Total Herbicides and Pesticides in Soil
Caemmerer Yard West Investigation**

Table O.2-44

Location ID	SB-H-12		SB-H-12	
Sample ID	SB-H-12-LIRR-16-18		SB-H-12-LIRR-28-29	
Depth	16-18		28-29	
Dilution Factor	1.0		1.0	
Sample Date	10/2/2004		10/2/2004	
Unit	ug/Kg		ug/Kg	
1,1,1-TRICHLORO-2,2-BIS (P-METHOXYPHENYL)-ETHANE	1.6	U	1.4	U
2,4,5-T (2,4,5-TRICHLOROPHENOXYACETIC ACID)	1.7	U	1.5	U
2,4-D	6	U	5.3	U
2,4-DB	3.6	U	3.1	U
4,4'- DDD	1.3	U	1.2	U
4,4'-DDE	1.7	U	1.5	U
4,4'-DDT	2.4	U	2.1	U
ALDRIN	1.4	U	1.2	U
ALPHA- BHC	1.5	U	1.3	U
alpha-Chlordane	1.9	U	1.7	U
BETA - BHC	1.5	U	1.3	U
CAMPHECHLOR	3.9	U	3.4	U
DELTA - BHC	1.2	U	1	U
DICAMBA	1.7	U	1.5	U
DICHLORPROP	3.8	U	3.3	U
DIELDRIN	1.3	U	1.2	U
DINITROBUTYL PHENOL	1.4	U	1.2	U
ENDOSULFAN I	1.9	U	1.7	U
Endosulfan II	1.7	U	1.5	U
ENDOSULFAN SULFATE	1.9	U	1.7	U
ENDRIN	2.4	U	2.1	U
ENDRIN ALDEHYDE	2	U	1.7	U
ENDRIN KETONE	1.7	U	1.5	U
GAMMA - BHC (LINDANE)	1.6	U	1.4	U
gamma-Chlordane	1.9	U	1.7	U
HEPTACHLOR	1.7	U	1.5	U
HEPTACHLOR EPOXIDE	1.7	U	1.5	U
SILVEX	1.8	U	1.6	U

Notes:

ug/kg - micrograms per kilogram

DUP - denotes field duplicate of preceding sample

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

J - Indicates an estimated value

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**Summary of Total Herbicides and Pesticides in Soil
Caemmerer Yard West Investigation**

Table O.2-44

Location ID	SB-H-13		SB-H-13	
Sample ID	SB-H-13-LIRR-2-4		SB-H-13-LIRR-4-6	
Depth	2-4		4-6	
Dilution Factor	1.0		1.0	
Sample Date	9/25/2004		9/25/2004	
Unit	ug/Kg		ug/Kg	
1,1,1-TRICHLORO-2,2-BIS (P-METHOXYPHENYL)-ETHANE	1.3	U	1.4	U
2,4,5-T (2,4,5-TRICHLOROPHENOXYACETIC ACID)	1.4	U	1.4	U
2,4-D	4.8	U	5.2	U
2,4-DB	2.9	U	3.1	U
4,4'- DDD	1.1	U	1.1	U
4,4'-DDE	1.4	U	1.4	U
4,4'-DDT	2	U	2.1	U
ALDRIN	1.1	U	1.2	U
ALPHA- BHC	1.2	U	1.2	U
alpha-Chlordane	1.6	U	1.6	U
BETA - BHC	1.2	U	1.3	U
CAMPHECHLOR	3.2	U	3.3	U
DELTA - BHC	0.94	U	0.99	U
DICAMBA	1.4	U	1.5	U
DICHLORPROP	3	U	3.2	U
DIELDRIN	1.1	U	1.1	U
DINITROBUTYL PHENOL	1.1	U	1.2	U
ENDOSULFAN I	1.6	U	1.6	U
Endosulfan II	1.4	U	1.5	U
ENDOSULFAN SULFATE	1.6	U	1.7	U
ENDRIN	1.9	U	2	U
ENDRIN ALDEHYDE	1.6	U	1.7	U
ENDRIN KETONE	1.4	U	1.5	U
GAMMA - BHC (LINDANE)	1.3	U	1.4	U
gamma-Chlordane	1.6	U	1.7	U
HEPTACHLOR	1.4	U	1.5	U
HEPTACHLOR EPOXIDE	1.4	U	1.4	U
SILVEX	1.5	U	1.6	U

Notes:

- ug/kg - micrograms per kilogram
- DUP - denotes field duplicate of preceding sample
- U - Indicates the compound was analyzed for but was not detected
- J - Indicates an estimated value
- P - This flag is used for Pesticide target analyte when there is >25% difference for detected concentrations between two GC columns
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**Summary of Total Herbicides and Pesticides in Soil
Caemmerer Yard West Investigation**

Table O.2-44

Location ID Sample ID Depth Dilution Factor Sample Date Unit	SB-H-13 SB-H-13-LIRR-14-16 14-16 1.0 9/26/2004 ug/Kg		SB-H-13 SB-H-13-LIRR-24-26 24-26 1.0 9/26/2004 ug/Kg	
	1,1,1-TRICHLORO-2,2-BIS (P-METHOXYPHENYL)-ETHANE	1.6	U	2
2,4,5-T (2,4,5-TRICHLOROPHENOXYACETIC ACID)	1.6	U	2.1	U
2,4-D	5.8	U	7.4	U
2,4-DB	3.5	U	4.4	U
4,4'- DDD	1.3	U	1.6	U
4,4'-DDE	1.6	U	2.1	U
4,4'-DDT	2.3	U	3	U
ALDRIN	1.3	U	1.7	U
ALPHA- BHC	1.4	U	1.8	U
alpha-Chlordane	1.9	U	2.4	U
BETA - BHC	1.4	U	1.8	U
CAMPHECHLOR	3.8	U	4.8	U
DELTA - BHC	1.1	U	1.4	U
DICAMBA	1.6	U	2.1	U
DICHLORPROP	3.6	U	4.6	U
DIELDRIN	1.3	U	1.6	U
DINITROBUTYL PHENOL	1.4	U	1.7	U
ENDOSULFAN I	1.9	U	2.4	U
Endosulfan II	1.7	U	2.1	U
ENDOSULFAN SULFATE	1.9	U	2.4	U
ENDRIN	2.3	U	2.9	U
ENDRIN ALDEHYDE	1.9	U	2.5	U
ENDRIN KETONE	1.7	U	2.1	U
GAMMA - BHC (LINDANE)	1.5	U	1.9	U
gamma-Chlordane	1.9	U	2.4	U
HEPTACHLOR	1.7	U	2.1	U
HEPTACHLOR EPOXIDE	1.6	U	2	U
SILVEX	1.8	U	2.2	U

Notes:

- ug/kg - micrograms per kilogram
- DUP - denotes field duplicate of preceding sample
- U - Indicates the compound was analyzed for
but was not detected
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**Summary of Total Herbicides and Pesticides in Soil
Caemmerer Yard West Investigation**

Table O.2-44

Location ID	SB-H-15		SB-H-15	
Sample ID	SB-H-15-LIRR-2-3		SB-H-15-LIRR-6-8	
Depth	2-3		6-8	
Dilution Factor	1.0		1.0	
Sample Date	9/25/2004		9/26/2004	
Unit	ug/Kg		ug/Kg	
1,1,1-TRICHLORO-2,2-BIS (P-METHOXYPHENYL)-ETHANE	1.4	U	1.6	U
2,4,5-T (2,4,5-TRICHLOROPHENOXYACETIC ACID)	1.5	U	1.6	U
2,4-D	5.2	U	5.7	U
2,4-DB	3.1	U	3.4	U
4,4'- DDD	1.2	U	1.3	U
4,4'-DDE	1.5	U	1.6	U
4,4'-DDT	2.1	U	2.3	U
ALDRIN	1.2	U	1.3	U
ALPHA- BHC	1.3	U	1.4	U
alpha-Chlordane	1.7	U	1.8	U
BETA - BHC	1.3	U	1.4	U
CAMPHECHLOR	3.4	U	3.7	U
DELTA - BHC	1	U	1.1	U
DICAMBA	1.5	U	1.6	U
DICHLORPROP	3.3	U	3.6	U
DIELDRIN	1.1	U	1.3	U
DINITROBUTYL PHENOL	1.2	U	1.3	U
ENDOSULFAN I	1.7	U	1.8	U
Endosulfan II	1.5	U	1.6	U
ENDOSULFAN SULFATE	1.7	U	1.8	U
ENDRIN	2.1	U	2.3	U
ENDRIN ALDEHYDE	1.7	U	1.9	U
ENDRIN KETONE	1.5	U	1.6	U
GAMMA - BHC (LINDANE)	1.4	U	1.5	U
gamma-Chlordane	1.7	U	1.8	U
HEPTACHLOR	1.5	U	1.6	U
HEPTACHLOR EPOXIDE	1.4	U	1.6	U
SILVEX	1.6	U	1.7	U

Notes:

- ug/kg - micrograms per kilogram
- DUP - denotes field duplicate of preceding sample
- U - Indicates the compound was analyzed for
but was not detected
- J - Indicates an estimated value
- P - This flag is used for Pesticide target analyte when there
is >25% difference for detected concentrations between two GC columns
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**Summary of Total Herbicides and Pesticides in Soil
Caemmerer Yard West Investigation**

Table O.2-44

Location ID	SB-H-15		SB-H-15	
Sample ID	DUP-1-09-26-04		SB-H-15-LIRR-10-11	
Depth	6-8		10-11	
Dilution Factor	1.0		1.0	
Sample Date	9/26/2004		9/26/2004	
Unit	ug/Kg		ug/Kg	
1,1,1-TRICHLORO-2,2-BIS (P-METHOXYPHENYL)-ETHANE	1.6	U	1.5	U
2,4,5-T (2,4,5-TRICHLOROPHENOXYACETIC ACID)	1.6	U	1.6	U
2,4-D	5.8	U	5.7	U
2,4-DB	3.4	U	3.4	U
4,4'- DDD	1.3	U	1.3	U
4,4'-DDE	1.6	U	1.6	U
4,4'-DDT	2.3	U	2.3	U
ALDRIN	1.3	U	1.3	U
ALPHA- BHC	1.4	U	1.4	U
alpha-Chlordane	1.8	U	1.8	U
BETA - BHC	1.4	U	1.4	U
CAMPHECHLOR	3.7	U	3.7	U
DELTA - BHC	1.1	U	1.1	U
DICAMBA	1.6	U	1.6	U
DICHLORPROP	3.6	U	3.6	U
DIELDRIN	1.3	U	1.2	U
DINITROBUTYL PHENOL	1.4	U	1.3	U
ENDOSULFAN I	1.8	U	1.8	U
Endosulfan II	1.7	U	1.6	U
ENDOSULFAN SULFATE	1.8	U	1.8	U
ENDRIN	2.3	U	2.2	U
ENDRIN ALDEHYDE	1.9	U	1.9	U
ENDRIN KETONE	1.6	U	1.6	U
GAMMA - BHC (LINDANE)	1.5	U	1.5	U
gamma-Chlordane	1.9	U	1.8	U
HEPTACHLOR	1.6	U	1.6	U
HEPTACHLOR EPOXIDE	1.6	U	1.6	U
SILVEX	1.7	U	1.7	U

Notes:

- ug/kg - micrograms per kilogram
- DUP - denotes field duplicate of preceding sample
- U - Indicates the compound was analyzed for
but was not detected
- J - Indicates an estimated value
- P - This flag is used for Pesticide target analyte when there
is >25% difference for detected concentrations between two GC columns
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**Summary of Total Herbicides and Pesticides in Soil
Caemmerer Yard West Investigation**

Table O.2-44

Location ID	SB-H-18		SB-H-18	
Sample ID	SB-H-18-LIRR-2-4		SB-H-18-LIRR-4-6	
Depth	2-4		4-6	
Dilution Factor	1.0		1.0	
Sample Date	9/26/2004		9/28/2004	
Unit	ug/Kg		ug/Kg	
1,1,1-TRICHLORO-2,2-BIS (P-METHOXYPHENYL)-ETHANE	1.3	U	1.4	U
2,4,5-T (2,4,5-TRICHLOROPHENOXYACETIC ACID)	1.3	U	1.1	U
2,4-D	4.7	U	2.4	U
2,4-DB	2.8	U	2.4	U
4,4'- DDD	1.1	U	1.1	U
4,4'-DDE	1.3	U	1.4	U
4,4'-DDT	1.9	U	2	U
ALDRIN	1.1	U	1.1	U
ALPHA- BHC	1.1	U	1.2	U
alpha-Chlordane	1.5	U	1.6	U
BETA - BHC	1.2	U	1.2	U
CAMPHECHLOR	3.1	U	3.3	U
DELTA - BHC	0.91	U	0.96	U
DICAMBA	1.3	U	0.6	U
DICHLORPROP	3	U	2.2	U
DIELDRIN	1	U	1.1	U
DINITROBUTYL PHENOL	1.1	U	1.1	U
ENDOSULFAN I	1.5	U	1.6	U
Endosulfan II	1.4	U	1.4	U
ENDOSULFAN SULFATE	1.5	U	1.6	U
ENDRIN	1.9	U	2	U
ENDRIN ALDEHYDE	1.6	U	1.7	U
ENDRIN KETONE	1.3	U	1.4	U
GAMMA - BHC (LINDANE)	1.2	U	1.3	U
gamma-Chlordane	1.5	U	1.6	U
HEPTACHLOR	1.4	U	1.4	U
HEPTACHLOR EPOXIDE	1.3	U	1.4	U
SILVEX	1.4	U	0.8	U

Notes:

- ug/kg - micrograms per kilogram
- DUP - denotes field duplicate of preceding sample
- U - Indicates the compound was analyzed for but was not detected
- J - Indicates an estimated value
- P - This flag is used for Pesticide target analyte when there is >25% difference for detected concentrations between two GC columns
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**Summary of Total Herbicides and Pesticides in Soil
Caemmerer Yard West Investigation**

Table O.2-44

Location ID Sample ID Depth Dilution Factor Sample Date Unit	SB-H-18 SB-H-18-LIRR-12-14		SB-H-18 SB-H-18-LIRR-20-22	
	12-14		20-22	
	1.0		1.0	
	9/28/2004		9/29/2004	
	ug/Kg		ug/Kg	
1,1,1-TRICHLORO-2,2-BIS (P-METHOXYPHENYL)-ETHANE	1.7	U	2.1	U
2,4,5-T (2,4,5-TRICHLOROPHOXYACETIC ACID)	1.4	U	2.2	U
2,4-D	3	U	7.8	U
2,4-DB	3	U	4.7	U
4,4'- DDD	1.4	U	1.7	U
4,4'-DDE	1.7	U	2.2	U
4,4'-DDT	2.5	U	3.1	U
ALDRIN	1.4	U	1.8	U
ALPHA- BHC	1.5	U	1.9	U
alpha-Chlordane	2	U	2.5	U
BETA - BHC	1.5	U	1.9	U
CAMPHECHLOR	4.1	U	5.1	U
DELTA - BHC	1.2	U	1.5	U
DICAMBA	0.7	U	2.2	U
DICHLORPROP	2.8	U	4.9	U
DIELDRIN	1.4	U	1.7	U
DINITROBUTYL PHENOL	1.4	U	1.9	U
ENDOSULFAN I	2	U	2.5	U
Endosulfan II	1.8	U	2.3	U
ENDOSULFAN SULFATE	2	U	2.5	U
ENDRIN	2.5	U	3.1	U
ENDRIN ALDEHYDE	2.1	U	2.6	U
ENDRIN KETONE	1.8	U	2.2	U
GAMMA - BHC (LINDANE)	1.6	U	2.1	U
gamma-Chlordane	2	U	2.5	U
HEPTACHLOR	1.8	U	2.2	U
HEPTACHLOR EPOXIDE	1.7	U	2.2	U
SILVEX	1	U	2.4	U

Notes:

ug/kg - micrograms per kilogram

DUP - denotes field duplicate of preceding sample

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

J - Indicates an estimated value

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is >25% difference for detected concentrations between two GC columns
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**Summary of Total Herbicides and Pesticides in Soil
Caemmerer Yard West Investigation**

Table O.2-44

Location ID	SB-H-20		SB-H-20	
Sample ID	SB-H-20-LIRR-2-4		SB-H-20-LIRR-4-6	
Depth	2-4		4-6	
Dilution Factor				
Sample Date	10/6/2004		10/6/2004	
Unit	ug/Kg		ug/Kg	
1,1,1-TRICHLORO-2,2-BIS (P-METHOXYPHENYL)-ETHANE	1.3	U	1.5	U
2,4,5-T (2,4,5-TRICHLOROPHOXYACETIC ACID)	1.1	U	1.2	U
2,4-D	1.4	U	1.5	U
2,4-DB	2	U	2.2	U
4,4'- DDD	1.1	U	1.2	U
4,4'-DDE	1.2	U	1.3	U
4,4'-DDT	1.6	U	1.7	U
ALDRIN	1.2	U	1.3	U
ALPHA- BHC	3.2	U	3.5	U
alpha-Chlordane	0.95	U	1	U
BETA - BHC	1.3	U	1.4	U
CAMPHECHLOR	1.6	U	1.7	U
DELTA - BHC	1.4	U	1.5	U
DICAMBA	1.4	U	1.5	U
DICHLORPROP	5.5	U	6.1	U
DIELDRIN	3.8	U	4.2	U
DINITROBUTYL PHENOL	2.6	U	2.8	U
ENDOSULFAN I	3.3	U	3.6	U
Endosulfan II	3.9	U	4.3	U
ENDOSULFAN SULFATE	1.4	U	1.6	U
ENDRIN	3.1	U	3.4	U
ENDRIN ALDEHYDE	1.4	U	1.5	U
ENDRIN KETONE	4.9	U	5.5	U
GAMMA - BHC (LINDANE)	2.9	U	3.3	U
gamma-Chlordane	1.4	U	1.5	U
HEPTACHLOR	3.1	U	14	P
HEPTACHLOR EPOXIDE	1.2	U	1.3	U
SILVEX	1.5	U	1.7	U

Notes:

ug/kg - micrograms per kilogram

DUP - denotes field duplicate of preceding sample

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

J - Indicates an estimated value

P - This flag is used for Pesticide target analyte when there
is >25% difference for detected concentrations between two GC columns
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**Summary of Total Herbicides and Pesticides in Soil
Caemmerer Yard West Investigation**

Table O.2-44

Location ID	SB-H-20		SB-H-20	
Sample ID	DUP-S-10-06-04		SB-H-20-LIRR-18-20	
Depth	4-6		18-20	
Dilution Factor				
Sample Date	10/6/2004		10/6/2004	
Unit	ug/Kg		ug/Kg	
1,1,1-TRICHLORO-2,2-BIS (P-METHOXYPHENYL)-ETHANE	1.5	U	1.6	U
2,4,5-T (2,4,5-TRICHLOROPHOXYACETIC ACID)	1.2	U	1.3	U
2,4-D	1.5	U	1.7	U
2,4-DB	2.2	U	2.4	U
4,4'- DDD	1.2	U	1.4	U
4,4'-DDE	1.3	U	1.5	U
4,4'-DDT	1.7	U	1.9	U
ALDRIN	1.3	U	1.5	U
ALPHA- BHC	3.5	U	3.9	U
alpha-Chlordane	1	U	1.2	U
BETA - BHC	1.4	U	1.6	U
CAMPHECHLOR	1.7	U	1.9	U
DELTA - BHC	1.5	U	1.7	U
DICAMBA	1.5	U	1.7	U
DICHLORPROP	6.1	U	6.8	U
DIELDRIN	4.1	U	4.6	U
DINITROBUTYL PHENOL	2.8	U	3.1	U
ENDOSULFAN I	3.6	U	4	U
Endosulfan II	4.3	U	4.8	U
ENDOSULFAN SULFATE	1.6	U	1.8	U
ENDRIN	3.4	U	3.8	U
ENDRIN ALDEHYDE	1.5	U	1.7	U
ENDRIN KETONE	5.4	U	6	U
GAMMA - BHC (LINDANE)	3.2	U	3.6	U
gamma-Chlordane	1.5	U	1.7	U
HEPTACHLOR	3.4	U	3.8	U
HEPTACHLOR EPOXIDE	1.3	U	1.4	U
SILVEX	1.6	U	1.8	U

Notes:

ug/kg - micrograms per kilogram

DUP - denotes field duplicate of preceding sample

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

J - Indicates an estimated value

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**Summary of Total Herbicides and Pesticides in Soil
Caemmerer Yard West Investigation**

Table O.2-44

Location ID	E-23		E-23A	
Sample ID	E-23-LIRR-1-2		E-23A-LIRR-1-3.5	
Depth	1-2		1-3.5	
Dilution Factor	1.0		1.0	
Sample Date	9/21/2004		9/22/2004	
Unit	ug/Kg		ug/Kg	
1,1,1-TRICHLORO-2,2-BIS (P-METHOXYPHENYL)-ETHANE	1.3	U	1.3	U
2,4,5-T (2,4,5-TRICHLOROPHENOXYACETIC ACID)	1.4	U	1.4	U
2,4-D	4.9	U	4.9	U
2,4-DB	2.9	U	2.9	U
4,4'- DDD	1.1	U	1.1	U
4,4'-DDE	1.4	U	1.4	U
4,4'-DDT	2	U	2	U
ALDRIN	1.1	U	1.1	U
ALPHA- BHC	1.2	U	1.2	U
alpha-Chlordane	1.6	U	1.6	U
BETA - BHC	1.2	U	1.2	U
CAMPHECHLOR	3.2	U	3.2	U
DELTA - BHC	0.95	U	0.95	U
DICAMBA	1.4	U	1.4	U
DICHLORPROP	3.1	U	3.1	U
DIELDRIN	1.1	U	1.1	U
DINITROBUTYL PHENOL	1.2	U	1.2	U
ENDOSULFAN I	1.6	U	1.6	U
Endosulfan II	1.4	U	1.4	U
ENDOSULFAN SULFATE	1.6	U	1.6	U
ENDRIN	2	U	2	U
ENDRIN ALDEHYDE	1.6	U	1.6	U
ENDRIN KETONE	1.4	U	1.4	U
GAMMA - BHC (LINDANE)	1.3	U	1.3	U
gamma-Chlordane	1.6	U	1.6	U
HEPTACHLOR	1.4	U	1.4	U
HEPTACHLOR EPOXIDE	1.4	U	1.4	U
SILVEX	1.5	U	1.5	U

Notes:

ug/kg - micrograms per kilogram

DUP - denotes field duplicate of preceding sample

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

J - Indicates an estimated value

P - This flag is used for Pesticide target analyte when there
is >25% difference for detected concentrations between two GC columns
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**Summary of Total Herbicides and Pesticides in Soil
Caemmerer Yard West Investigation**

Table O.2-44

Location ID	E-28		E-28	
Sample ID	E-28-LIRR-2-2.5		E-28-LIRR-4-6	
Depth	2-2.5		4-6	
Dilution Factor	1.0		1.0	
Sample Date	9/23/2004		9/23/2004	
Unit	ug/Kg		ug/Kg	
1,1,1-TRICHLORO-2,2-BIS (P-METHOXYPHENYL)-ETHANE	1.4	U	1.3	U
2,4,5-T (2,4,5-TRICHLOROPHENOXYACETIC ACID)	1.4	U	1.4	U
2,4-D	5	U	5	U
2,4-DB	3	U	3	U
4,4'-DDD	1.1	U	1.1	U
4,4'-DDE	1.4	U	1.4	U
4,4'-DDT	2	U	2	U
ALDRIN	1.1	U	1.1	U
ALPHA- BHC	1.2	U	1.2	U
alpha-Chlordane	1.6	U	1.6	U
BETA - BHC	1.2	U	1.2	U
CAMPHECHLOR	3.3	U	3.2	U
DELTA - BHC	0.96	U	0.95	U
DICAMBA	1.4	U	1.4	U
DICHLORPROP	3.1	U	3.1	U
DIELDRIN	1.1	U	1.1	U
DINITROBUTYL PHENOL	1.2	U	1.2	U
ENDOSULFAN I	1.6	U	1.6	U
Endosulfan II	1.4	U	1.4	U
ENDOSULFAN SULFATE	1.6	U	1.6	U
ENDRIN	2	U	2	U
ENDRIN ALDEHYDE	1.7	U	1.6	U
ENDRIN KETONE	1.4	U	1.4	U
GAMMA - BHC (LINDANE)	1.3	U	1.3	U
gamma-Chlordane	1.6	U	1.6	U
HEPTACHLOR	1.4	U	1.4	U
HEPTACHLOR EPOXIDE	1.4	U	1.4	U
SILVEX	1.5	U	1.5	U

Notes:

ug/kg - micrograms per kilogram

DUP - denotes field duplicate of preceding sample

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

J - Indicates an estimated value

P - This flag is used for Pesticide target analyte when there
is >25% difference for detected concentrations between two GC columns
The lower of the two values is reported on Form 1 and flagged with a "P"

**Summary of Total Herbicides and Pesticides in Soil
Caemmerer Yard West Investigation**

Table O.2-44

Location ID	E-28		E-28	
Sample ID	E-28-LIRR-8-9		E-28-LIRR-18-20	
Depth	8-9		18-20	
Dilution Factor	1.0		1.0	
Sample Date	9/23/2004		9/23/2004	
Unit	ug/Kg		ug/Kg	
1,1,1-TRICHLORO-2,2-BIS (P-METHOXYPHENYL)-ETHANE	1.6	U	1.6	U
2,4,5-T (2,4,5-TRICHLOROPHENOXYACETIC ACID)	1.6	U	1.7	U
2,4-D	5.7	U	6	U
2,4-DB	3.4	U	3.5	U
4,4'- DDD	1.3	U	1.3	U
4,4'-DDE	1.6	U	1.7	U
4,4'-DDT	2.3	U	2.4	U
ALDRIN	1.3	U	1.4	U
ALPHA- BHC	1.4	U	1.4	U
alpha-Chlordane	1.8	U	1.9	U
BETA - BHC	1.4	U	1.5	U
CAMPHECHLOR	3.7	U	3.9	U
DELTA - BHC	1.1	U	1.1	U
DICAMBA	1.6	U	1.7	U
DICHLORPROP	3.6	U	3.7	U
DIELDRIN	1.2	U	1.3	U
DINITROBUTYL PHENOL	1.3	U	1.4	U
ENDOSULFAN I	1.8	U	1.9	U
Endosulfan II	1.6	U	1.7	U
ENDOSULFAN SULFATE	1.8	U	1.9	U
ENDRIN	2.3	U	2.4	U
ENDRIN ALDEHYDE	1.9	U	2	U
ENDRIN KETONE	1.6	U	1.7	U
GAMMA - BHC (LINDANE)	1.5	U	1.6	U
gamma-Chlordane	1.8	U	1.9	U
HEPTACHLOR	1.6	U	1.7	U
HEPTACHLOR EPOXIDE	1.6	U	1.6	U
SILVEX	1.7	U	1.8	U

Notes:

- ug/kg - micrograms per kilogram
- DUP - denotes field duplicate of preceding sample
- U - Indicates the compound was analyzed for
but was not detected
- J - Indicates an estimated value
- P - This flag is used for Pesticide target analyte when there
is >25% difference for detected concentrations between two GC columns
The lower of the two values is reported on Form 1 and flagged with a "P"

**Summary of Total Herbicides and Pesticides in Soil
Caemmerer Yard West Investigation**

Table O.2-44

Location ID	E-28		E-28	
Sample ID	E-28-LIRR-26-28		E-28-LIRR-32-34	
Depth	26-28		32-34	
Dilution Factor	1.0		1.0	
Sample Date	9/23/2004		9/23/2004	
Unit	ug/Kg		ug/Kg	
1,1,1-TRICHLORO-2,2-BIS (P-METHOXYPHENYL)-ETHANE	2.2	U	2	U
2,4,5-T (2,4,5-TRICHLOROPHENOXYACETIC ACID)	2.2	U	2.1	U
2,4-D	7.9	U	7.5	U
2,4-DB	4.7	U	4.4	U
4,4'- DDD	1.8	U	1.7	U
4,4'-DDE	2.2	U	2.1	U
4,4'-DDT	3.2	U	3	U
ALDRIN	1.8	U	1.7	U
ALPHA- BHC	1.9	U	1.8	U
alpha-Chlordane	2.5	U	2.4	U
BETA - BHC	2	U	1.9	U
CAMPHECHLOR	5.1	U	4.9	U
DELTA - BHC	1.5	U	1.4	U
DICAMBA	2.2	U	2.1	U
DICHLORPROP	4.9	U	4.7	U
DIELDRIN	1.7	U	1.6	U
DINITROBUTYL PHENOL	1.9	U	1.8	U
ENDOSULFAN I	2.5	U	2.4	U
Endosulfan II	2.3	U	2.2	U
ENDOSULFAN SULFATE	2.5	U	2.4	U
ENDRIN	3.1	U	3	U
ENDRIN ALDEHYDE	2.6	U	2.5	U
ENDRIN KETONE	2.2	U	2.1	U
GAMMA - BHC (LINDANE)	2.1	U	2	U
gamma-Chlordane	2.5	U	2.4	U
HEPTACHLOR	2.3	U	2.1	U
HEPTACHLOR EPOXIDE	2.2	U	2.1	U
SILVEX	2.4	U	2.3	U

Notes:

- ug/kg - micrograms per kilogram
- DUP - denotes field duplicate of preceding sample
- U - Indicates the compound was analyzed for
but was not detected
- J - Indicates an estimated value
- P - This flag is used for Pesticide target analyte when there
is >25% difference for detected concentrations between two GC columns
The lower of the two values is reported on Form 1 and flagged with a "P"

**Summary of Total Herbicides and Pesticides in Soil
Caemmerer Yard West Investigation**

Table O.2-44

Location ID	E-35		E-35	
Sample ID	E-35-LIRR-0-2		E-35-LIRR-2-4	
Depth	0-2		2-4	
Dilution Factor	1.0		1.0	
Sample Date	9/30/2004		9/30/2004	
Unit	ug/Kg		ug/Kg	
1,1,1-TRICHLORO-2,2-BIS (P-METHOXYPHENYL)-ETHANE	1.3	U	1.4	U
2,4,5-T (2,4,5-TRICHLOROPHENOXYACETIC ACID)	1.4	U	1.4	U
2,4-D	4.9	U	5	U
2,4-DB	2.9	U	3	U
4,4'- DDD	1.1	U	1.1	U
4,4'-DDE	1.4	U	1.4	U
4,4'-DDT	2	U	2	U
ALDRIN	1.1	U	1.1	U
ALPHA- BHC	1.2	U	1.2	U
alpha-Chlordane	1.6	U	1.6	U
BETA - BHC	1.2	U	1.2	U
CAMPHECHLOR	3.2	U	3.3	U
DELTA - BHC	0.95	U	0.97	U
DICAMBA	1.4	U	1.4	U
DICHLORPROP	3.1	U	3.2	U
DIELDRIN	1.1	U	1.1	U
DINITROBUTYL PHENOL	1.2	U	1.2	U
ENDOSULFAN I	1.6	U	1.6	U
Endosulfan II	1.4	U	1.4	U
ENDOSULFAN SULFATE	1.6	U	1.6	U
ENDRIN	2	U	2	U
ENDRIN ALDEHYDE	1.6	U	1.7	U
ENDRIN KETONE	1.4	U	1.4	U
GAMMA - BHC (LINDANE)	1.3	U	1.3	U
gamma-Chlordane	1.6	U	1.6	U
HEPTACHLOR	1.4	U	1.4	U
HEPTACHLOR EPOXIDE	1.4	U	1.4	U
SILVEX	1.5	U	1.5	U

Notes:

- ug/kg - micrograms per kilogram
- DUP - denotes field duplicate of preceding sample
- U - Indicates the compound was analyzed for
but was not detected
- J - Indicates an estimated value
- P - This flag is used for Pesticide target analyte when there
is >25% difference for detected concentrations between two GC columns
The lower of the two values is reported on Form 1 and flagged with a "P"

**Summary of Total Herbicides and Pesticides in Soil
Caemmerer Yard West Investigation**

Table O.2-44

Location ID	E-35		E-35	
Sample ID	E-35-LIRR-6-8		E-35-LIRR-10-12	
Depth	6-8		10-12	
Dilution Factor	1.0		1.0	
Sample Date	10/1/2004		10/1/2004	
Unit	ug/Kg		ug/Kg	
1,1,1-TRICHLORO-2,2-BIS (P-METHOXYPHENYL)-ETHANE	1.6	U	1.7	U
2,4,5-T (2,4,5-TRICHLOROPHENOXYACETIC ACID)	1.6	U	1.7	U
2,4-D	5.9	QUAL	6.1	U
2,4-DB	3.5	U	3.6	U
4,4'- DDD	1.3	U	1.3	U
4,4'-DDE	1.6	U	1.7	U
4,4'-DDT	2.4	U	2.4	U
ALDRIN	1.3	U	1.4	U
ALPHA- BHC	1.4	U	1.5	U
alpha-Chlordane	1.9	U	2	U
BETA - BHC	1.5	U	1.5	U
CAMPHECHLOR	3.8	U	3.9	U
DELTA - BHC	1.1	U	1.2	U
DICAMBA	1.7	U	1.7	U
DICHLORPROP	3.7	U	3.8	U
DIELDRIN	1.3	U	1.3	U
DINITROBUTYL PHENOL	1.4	U	1.4	U
ENDOSULFAN I	1.9	U	1.9	U
Endosulfan II	1.7	U	1.7	U
ENDOSULFAN SULFATE	1.9	U	2	U
ENDRIN	2.3	U	2.4	U
ENDRIN ALDEHYDE	1.9	U	2	U
ENDRIN KETONE	1.7	U	1.7	U
GAMMA - BHC (LINDANE)	1.5	U	1.6	U
gamma-Chlordane	1.9	U	2	U
HEPTACHLOR	1.7	U	1.7	U
HEPTACHLOR EPOXIDE	1.6	U	1.7	U
SILVEX	1.8	U	1.8	U

Notes:

ug/kg - micrograms per kilogram

DUP - denotes field duplicate of preceding sample

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

J - Indicates an estimated value

P - This flag is used for Pesticide target analyte when there
is >25% difference for detected concentrations between two GC columns
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**Summary of Total Herbicides and Pesticides in Soil
Caemmerer Yard West Investigation**

Table O.2-44

Location ID	E-37		E-37	
Sample ID	E-37-LIRR-2-4		E-37-LIRR-6-8	
Depth	2-4		6-8	
Dilution Factor	1.0		1.0	
Sample Date	9/30/2004		9/29/2004	
Unit	ug/Kg		ug/Kg	
1,1,1-TRICHLORO-2,2-BIS (P-METHOXYPHENYL)-ETHANE	1.3	U	1.4	U
2,4,5-T (2,4,5-TRICHLOROPHENOXYACETIC ACID)	1.3	U	1.5	U
2,4-D	4.8	U	5.2	U
2,4-DB	2.9	U	3.1	U
4,4'- DDD	1.1	U	1.2	U
4,4'-DDE	1.3	U	1.5	U
4,4'-DDT	1.9	U	2.1	U
ALDRIN	1.1	U	1.2	U
ALPHA- BHC	1.2	U	1.3	U
alpha-Chlordane	1.5	U	1.7	U
BETA - BHC	1.2	U	1.3	U
CAMPHECHLOR	3.1	U	3.4	U
DELTA - BHC	0.92	U	1	U
DICAMBA	1.4	U	1.5	U
DICHLORPROP	3	U	3.3	U
DIELDRIN	1.1	U	1.1	U
DINITROBUTYL PHENOL	1.1	U	1.2	U
ENDOSULFAN I	1.5	U	1.7	U
Endosulfan II	1.4	U	1.5	U
ENDOSULFAN SULFATE	1.5	U	1.7	U
ENDRIN	1.9	U	2.1	U
ENDRIN ALDEHYDE	1.6	U	1.7	U
ENDRIN KETONE	1.4	U	1.5	U
GAMMA - BHC (LINDANE)	1.3	U	1.4	U
gamma-Chlordane	1.5	U	1.7	U
HEPTACHLOR	1.4	U	1.5	U
HEPTACHLOR EPOXIDE	1.3	U	1.4	U
SILVEX	1.5	U	1.6	U

Notes:

- ug/kg - micrograms per kilogram
- DUP - denotes field duplicate of preceding sample
- U - Indicates the compound was analyzed for
but was not detected
- J - Indicates an estimated value
- P - This flag is used for Pesticide target analyte when there
is >25% difference for detected concentrations between two GC columns
The lower of the two values is reported on Form 1 and flagged with a "P"

**Summary of Total Herbicides and Pesticides in Soil
Caemmerer Yard West Investigation**

Table O.2-44

Location ID	E-37		E-37	
Sample ID	E-37-LIRR-16-18		E-37-LIRR-20-22	
Depth	16-18		20-22	
Dilution Factor	1.0		1.0	
Sample Date	9/30/2004		9/30/2004	
Unit	ug/Kg		ug/Kg	
1,1,1-TRICHLORO-2,2-BIS (P-METHOXYPHENYL)-ETHANE	1.5	U	1.5	U
2,4,5-T (2,4,5-TRICHLOROPHENOXYACETIC ACID)	1.5	U	1.5	U
2,4-D	5.3	U	5.5	U
2,4-DB	3.2	U	3.2	U
4,4'- DDD	1.2	U	1.2	U
4,4'-DDE	1.5	U	1.5	U
4,4'-DDT	2.1	U	2.2	U
ALDRIN	1.2	U	1.2	U
ALPHA- BHC	1.3	U	1.3	U
alpha-Chlordane	1.7	U	1.7	U
BETA - BHC	1.3	U	1.3	U
CAMPHECHLOR	3.5	U	3.5	U
DELTA - BHC	1	U	1	U
DICAMBA	1.5	U	1.5	U
DICHLORPROP	3.3	U	3.4	U
DIELDRIN	1.2	U	1.2	U
DINITROBUTYL PHENOL	1.3	U	1.3	U
ENDOSULFAN I	1.7	U	1.7	U
Endosulfan II	1.5	U	1.6	U
ENDOSULFAN SULFATE	1.7	U	1.8	U
ENDRIN	2.1	U	2.2	U
ENDRIN ALDEHYDE	1.8	U	1.8	U
ENDRIN KETONE	1.5	U	1.5	U
GAMMA - BHC (LINDANE)	1.4	U	1.4	U
gamma-Chlordane	1.7	U	1.8	U
HEPTACHLOR	1.5	U	1.6	U
HEPTACHLOR EPOXIDE	1.5	U	1.5	U
SILVEX	1.6	U	1.7	U

Notes:

- ug/kg - micrograms per kilogram
- DUP - denotes field duplicate of preceding sample
- U - Indicates the compound was analyzed for
but was not detected
- J - Indicates an estimated value
- P - This flag is used for Pesticide target analyte when there
is >25% difference for detected concentrations between two GC columns
The lower of the two values is reported on Form 1 and flagged with a "P"

**Summary of Total Herbicides and Pesticides in Soil
Caemmerer Yard West Investigation**

Table O.2-44

Location ID	E-50		E-50	
Sample ID	E-50-LIRR-2-4		DUP-S-09-23-04	
Depth	2-4		2-4	
Dilution Factor	1.0		1.0	
Sample Date	9/23/2004		9/23/2004	
Unit	ug/Kg		ug/Kg	
1,1,1-TRICHLORO-2,2-BIS (P-METHOXYPHENYL)-ETHANE	1.3	U	1.3	U
2,4,5-T (2,4,5-TRICHLOROPHENOXYACETIC ACID)	1.3	U	1.1	U
2,4-D	4.7	U	1.3	U
2,4-DB	2.8	U	1.9	U
4,4'- DDD	1	U	1.1	U
4,4'-DDE	1.3	U	1.2	U
4,4'-DDT	1.9	U	1.5	U
ALDRIN	1.1	U	1.2	U
ALPHA- BHC	1.1	U	3.1	U
alpha-Chlordane	1.5	U	0.92	U
BETA - BHC	1.2	U	1.3	U
CAMPHECHLOR	3.1	U	1.5	U
DELTA - BHC	0.9	U	1.4	U
DICAMBA	1.3	U	1.3	U
DICHLORPROP	2.9	U	5.3	U
DIELDRIN	1	U	3.6	U
DINITROBUTYL PHENOL	1.1	U	2.5	U
ENDOSULFAN I	1.5	U	3.2	U
Endosulfan II	1.4	U	3.7	U
ENDOSULFAN SULFATE	1.5	U	1.4	U
ENDRIN	1.9	U	3	U
ENDRIN ALDEHYDE	1.6	U	1.3	U
ENDRIN KETONE	1.3	U	4.8	U
GAMMA - BHC (LINDANE)	1.2	U	2.8	U
gamma-Chlordane	1.5	U	1.3	U
HEPTACHLOR	1.3	U	3	U
HEPTACHLOR EPOXIDE	1.3	U	1.1	U
SILVEX	1.4	U	1.4	U

Notes:

ug/kg - micrograms per kilogram

DUP - denotes field duplicate of preceding sample

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

J - Indicates an estimated value

P - This flag is used for Pesticide target analyte when there
is >25% difference for detected concentrations between two GC columns
The lower of the two values is reported on Form 1 and flagged with a "P"

**Summary of Total Herbicides and Pesticides in Soil
Caemmerer Yard West Investigation**

Table O.2-44

Location ID	E-50		E-50	
Sample ID	E-50-LIRR-4-6		E-50-LIRR-10-12	
Depth	4-6		10-12	
Dilution Factor	1.0		1.0	
Sample Date	9/23/2004		9/23/2004	
Unit	ug/Kg		ug/Kg	
1,1,1-TRICHLORO-2,2-BIS (P-METHOXYPHENYL)-ETHANE	1.3	U	1.6	U
2,4,5-T (2,4,5-TRICHLOROPHENOXYACETIC ACID)	1.3	U	1.6	U
2,4-D	4.8	U	5.7	U
2,4-DB	2.9	U	3.4	U
4,4'- DDD	1.1	U	1.3	U
4,4'-DDE	1.3	U	1.6	U
4,4'-DDT	1.9	U	2.3	U
ALDRIN	1.1	U	1.3	U
ALPHA- BHC	1.2	U	1.4	U
alpha-Chlordane	1.6	U	1.8	U
BETA - BHC	1.2	U	1.4	U
CAMPHECHLOR	3.1	U	3.7	U
DELTA - BHC	0.93	U	1.1	U
DICAMBA	1.4	U	1.6	U
DICHLORPROP	3	U	3.6	U
DIELDRIN	1.1	U	1.3	U
DINITROBUTYL PHENOL	1.1	U	1.4	U
ENDOSULFAN I	1.5	U	1.8	U
Endosulfan II	1.4	U	1.6	U
ENDOSULFAN SULFATE	1.6	U	1.8	U
ENDRIN	1.9	U	2.3	U
ENDRIN ALDEHYDE	1.6	U	1.9	U
ENDRIN KETONE	1.4	U	1.6	U
GAMMA - BHC (LINDANE)	1.3	U	1.5	U
gamma-Chlordane	1.6	U	1.8	U
HEPTACHLOR	1.4	U	1.6	U
HEPTACHLOR EPOXIDE	1.3	U	1.6	U
SILVEX	1.5	U	1.7	U

Notes:

- ug/kg - micrograms per kilogram
- DUP - denotes field duplicate of preceding sample
- U - Indicates the compound was analyzed for
but was not detected
- J - Indicates an estimated value
- P - This flag is used for Pesticide target analyte when there
is >25% difference for detected concentrations between two GC columns
The lower of the two values is reported on Form 1 and flagged with a "P"

**Summary of Total Herbicides and Pesticides in Soil
Caemmerer Yard West Investigation**

Table O.2-44

Location ID	E-50		E-51	
Sample ID	E-50-LIRR-24-26		E-51-LIRR-2-3	
Depth	24-26		2-3	
Dilution Factor	1.0		1.0	
Sample Date	9/23/2004		9/23/2004	
Unit	ug/Kg		ug/Kg	
1,1,1-TRICHLORO-2,2-BIS (P-METHOXYPHENYL)-ETHANE	1.9	U	1.3	U
2,4,5-T (2,4,5-TRICHLOROPHENOXYACETIC ACID)	2	U	1.3	U
2,4-D	7.1	U	4.7	U
2,4-DB	4.2	U	2.8	U
4,4'- DDD	1.6	U	1.1	U
4,4'-DDE	2	U	1.3	U
4,4'-DDT	2.8	U	1.9	U
ALDRIN	1.6	U	1.1	U
ALPHA- BHC	1.7	U	1.2	U
alpha-Chlordane	2.3	U	1.5	U
BETA - BHC	1.7	U	1.2	U
CAMPHECHLOR	4.6	U	3.1	U
DELTA - BHC	1.3	U	0.92	U
DICAMBA	2	U	1.3	U
DICHLORPROP	4.4	U	3	U
DIELDRIN	1.5	U	1	U
DINITROBUTYL PHENOL	1.7	U	1.1	U
ENDOSULFAN I	2.2	U	1.5	U
Endosulfan II	2	U	1.4	U
ENDOSULFAN SULFATE	2.3	U	1.5	U
ENDRIN	2.8	U	1.9	U
ENDRIN ALDEHYDE	2.3	U	1.6	U
ENDRIN KETONE	2	U	1.3	U
GAMMA - BHC (LINDANE)	1.8	U	1.3	U
gamma-Chlordane	2.3	U	1.5	U
HEPTACHLOR	2	U	1.4	U
HEPTACHLOR EPOXIDE	1.9	U	1.3	U
SILVEX	2.1	U	1.4	U

Notes:

ug/kg - micrograms per kilogram

DUP - denotes field duplicate of preceding sample

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

J - Indicates an estimated value

P - This flag is used for Pesticide target analyte when there
is >25% difference for detected concentrations between two GC columns
The lower of the two values is reported on Form 1 and flagged with a "P"

**Summary of Total Herbicides and Pesticides in Soil
Caemmerer Yard West Investigation**

Table O.2-44

Location ID	E-51		E-51	
Sample ID	E-51-LIRR-4-6		E-51-LIRR-7-8	
Depth	4-6		7-8	
Dilution Factor	1.0		1.0	
Sample Date	9/23/2004		9/23/2004	
Unit	ug/Kg		ug/Kg	
1,1,1-TRICHLORO-2,2-BIS (P-METHOXYPHENYL)-ETHANE	1.4	U	1.5	U
2,4,5-T (2,4,5-TRICHLOROPHENOXYACETIC ACID)	1.4	U	1.5	U
2,4-D	5.1	U	5.3	U
2,4-DB	3	U	3.2	U
4,4'- DDD	1.1	U	1.2	U
4,4'-DDE	1.4	U	1.5	U
4,4'-DDT	2	U	2.1	U
ALDRIN	1.2	U	1.2	U
ALPHA- BHC	1.2	U	1.3	U
alpha-Chlordane	1.6	U	1.7	U
BETA - BHC	1.3	U	1.3	U
CAMPHECHLOR	3.3	U	3.5	U
DELTA - BHC	0.98	U	1	U
DICAMBA	1.4	U	1.5	U
DICHLORPROP	3.2	U	3.3	U
DIELDRIN	1.1	U	1.2	U
DINITROBUTYL PHENOL	1.2	U	1.3	U
ENDOSULFAN I	1.6	U	1.7	U
Endosulfan II	1.5	U	1.5	U
ENDOSULFAN SULFATE	1.6	U	1.7	U
ENDRIN	2	U	2.1	U
ENDRIN ALDEHYDE	1.7	U	1.8	U
ENDRIN KETONE	1.4	U	1.5	U
GAMMA - BHC (LINDANE)	1.3	U	1.4	U
gamma-Chlordane	1.6	U	1.7	U
HEPTACHLOR	1.4	U	1.5	U
HEPTACHLOR EPOXIDE	1.4	U	1.5	U
SILVEX	1.5	U	1.6	U

Notes:

- ug/kg - micrograms per kilogram
- DUP - denotes field duplicate of preceding sample
- U - Indicates the compound was analyzed for
but was not detected
- J - Indicates an estimated value
- P - This flag is used for Pesticide target analyte when there
is >25% difference for detected concentrations between two GC columns
The lower of the two values is reported on Form 1 and flagged with a "P"

**Summary of Total Herbicides and Pesticides in Soil
Caemmerer Yard West Investigation**

Table O.2-44

Location ID	E-51	
Sample ID	E-51-LIRR-16-19	
Depth	16-19	
Dilution Factor	1.0	
Sample Date	9/23/2004	
Unit	ug/Kg	
1,1,1-TRICHLORO-2,2-BIS (P-METHOXYPHENYL)-ETHANE	2	U
2,4,5-T (2,4,5-TRICHLOROPHENOXYACETIC ACID)	2.1	U
2,4-D	7.5	U
2,4-DB	4.4	U
4,4'- DDD	1.7	U
4,4'-DDE	2.1	U
4,4'-DDT	3	U
ALDRIN	1.7	U
ALPHA- BHC	1.8	U
alpha-Chlordane	2.4	U
BETA - BHC	1.9	U
CAMPHECHLOR	4.9	U
DELTA - BHC	1.4	U
DICAMBA	2.1	U
DICHLORPROP	4.7	U
DIELDRIN	1.6	U
DINITROBUTYL PHENOL	1.8	U
ENDOSULFAN I	2.4	U
Endosulfan II	2.2	U
ENDOSULFAN SULFATE	2.4	U
ENDRIN	3	U
ENDRIN ALDEHYDE	2.5	U
ENDRIN KETONE	2.1	U
GAMMA - BHC (LINDANE)	2	U
gamma-Chlordane	2.4	U
HEPTACHLOR	2.1	U
HEPTACHLOR EPOXIDE	2.1	U
SILVEX	2.3	U

Notes:

ug/kg - micrograms per kilogram

DUP - denotes field duplicate of preceding sample

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

J - Indicates an estimated value

P - This flag is used for Pesticide target analyte when there
is >25% difference for detected concentrations between two GC columns
The lower of the two values is reported on Form 1 and flagged with a "P"

**Summary of Total PCBs in Soil
Caemmerer Yard West Investigation**

Table O.2-45

Location ID	E-52	E-63	E-63
Sample ID	E-52-LIRR-5-6	E-63-LIRR-0-2	E-63-LIRR-2-4
Depth	5-6	0-2	2-4
Dilution Factor	1.0	1.0	1.0
Sample Date	9/24/2004	9/4/2004	9/5/2004
Unit	ug/Kg	ug/Kg	ug/Kg
AROCLOR-1016 (PCB-1016)	5.8 U	5.8 U	5.8 U
AROCLOR-1221 (PCB-1221)	4 U	4 U	4 U
AROCLOR-1232 (PCB-1232)	2.7 U	2.7 U	2.7 U
AROCLOR-1242 (PCB-1242)	3.4 U	3.5 U	3.5 U
AROCLOR-1248 (PCB-1248)	4.1 U	4.1 U	4.1 U
AROCLOR-1254 (PCB-1254)	1.5 U	1.5 U	1.5 U
AROCLOR-1260 (PCB-1260)	3.3 U	3.3 U	3.3 U

Notes:

ug/kg - micrograms per kilogram

DUP - denotes field duplicate of preceding sample

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

J - Indicates an estimated value

P - This flag is used for PCB target analyte when there
is >25% difference for detected concentrations between
two GC columns

The lower of the two values is reported on Form 1
and flagged with a "P"

**Summary of Total PCBs in Soil
Caemmerer Yard West Investigation**

Table O.2-45

Location ID	E-63	E-63	E-63
Sample ID	E-63-LIRR-14-16	E-63-LIRR-18-20	E-63-LIRR-20-22
Depth	14-16	18-20	20-22
Dilution Factor	1.0	1.0	1.0
Sample Date	9/8/2004	9/8/2004	9/8/2004
Unit	ug/Kg	ug/Kg	ug/Kg
AROCLOR-1016 (PCB-1016)	6.2 U	6.3 U	6.3 U
AROCLOR-1221 (PCB-1221)	4.3 U	4.3 U	4.3 U
AROCLOR-1232 (PCB-1232)	2.9 U	2.9 U	2.9 U
AROCLOR-1242 (PCB-1242)	3.7 U	3.7 U	3.7 U
AROCLOR-1248 (PCB-1248)	4.4 U	4.4 U	4.4 U
AROCLOR-1254 (PCB-1254)	1.6 U	1.6 U	1.6 U
AROCLOR-1260 (PCB-1260)	3.5 U	3.5 U	3.6 U

Notes:

ug/kg - micrograms per kilogram

DUP - denotes field duplicate of preceding sample

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

J - Indicates an estimated value

P - This flag is used for PCB target analyte when there
is >25% difference for detected concentrations between
two GC columns

The lower of the two values is reported on Form 1
and flagged with a "P"

**Summary of Total PCBs in Soil
Caemmerer Yard West Investigation**

Table O.2-45

Location ID	E-64	E-64	E-64
Sample ID	E-64-LIRR-1-2	E-64-LIRR-4-6	E-64-LIRR-4-6-A
Depth	1-2	4-6	4-6
Dilution Factor	1.0	1.0	1.0
Sample Date	9/8/2004	9/8/2004	9/18/2004
Unit	ug/Kg	ug/Kg	ug/Kg
AROCLOR-1016 (PCB-1016)	6 U	5.8 U	6.3 U
AROCLOR-1221 (PCB-1221)	4.1 U	3.9 U	4.3 U
AROCLOR-1232 (PCB-1232)	2.8 U	2.7 U	2.9 U
AROCLOR-1242 (PCB-1242)	3.5 U	3.4 U	3.7 U
AROCLOR-1248 (PCB-1248)	4.2 U	4 U	4.4 U
AROCLOR-1254 (PCB-1254)	1.5 U	1.5 U	1.6 U
AROCLOR-1260 (PCB-1260)	3.4 U	3.3 U	3.6 U

Notes:

ug/kg - micrograms per kilogram

DUP - denotes field duplicate of preceding sample

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

J - Indicates an estimated value

P - This flag is used for PCB target analyte when there
is >25% difference for detected concentrations between
two GC columns

The lower of the two values is reported on Form 1
and flagged with a "P"

**Summary of Total PCBs in Soil
Caemmerer Yard West Investigation**

Table O.2-45

Location ID	E-64	SB-E-08	SB-E-08
Sample ID	E-64-LIRR-10-12-A	SB-E-08-LIRR-6-9	SB-E-08-LIRR-15-17
Depth	10-12	6-9	15-17
Dilution Factor	1.0	1.0	1.0
Sample Date	9/18/2004	9/20/2004	9/20/2004
Unit	ug/Kg	ug/Kg	ug/Kg
AROCLOR-1016 (PCB-1016)	6.2 U	6 U	6.5 U
AROCLOR-1221 (PCB-1221)	4.2 U	4.1 U	4.4 U
AROCLOR-1232 (PCB-1232)	2.9 U	2.8 U	3 U
AROCLOR-1242 (PCB-1242)	3.7 U	3.6 U	3.8 U
AROCLOR-1248 (PCB-1248)	4.3 U	4.2 U	4.5 U
AROCLOR-1254 (PCB-1254)	1.6 U	1.6 U	1.7 U
AROCLOR-1260 (PCB-1260)	3.5 U	3.4 U	3.7 U

Notes:

ug/kg - micrograms per kilogram

DUP - denotes field duplicate of preceding sample

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

J - Indicates an estimated value

P - This flag is used for PCB target analyte when there
is >25% difference for detected concentrations between
two GC columns

The lower of the two values is reported on Form 1
and flagged with a "P"

**Summary of Total PCBs in Soil
Caemmerer Yard West Investigation**

Table O.2-45

Location ID	SB-E-10	SB-E-10	SB-E-10
Sample ID	SB-E-10-NYDOS-2-4	SB-E-10-NYDOS-12-14	SB-E-10-NYDOS-20-22
Depth	2-4	12-14	20-22
Dilution Factor	1.0	1.0	1.0
Sample Date	9/17/2004	9/17/2004	9/17/2004
Unit	ug/Kg	ug/Kg	ug/Kg
AROCLOR-1016 (PCB-1016)	5.8 U	6.3 U	7.2 U
AROCLOR-1221 (PCB-1221)	4 U	4.3 U	4.9 U
AROCLOR-1232 (PCB-1232)	2.7 U	2.9 U	3.3 U
AROCLOR-1242 (PCB-1242)	3.4 U	3.7 U	4.3 U
AROCLOR-1248 (PCB-1248)	4.1 U	4.4 U	5.1 U
AROCLOR-1254 (PCB-1254)	1.5 U	1.6 U	1.9 U
AROCLOR-1260 (PCB-1260)	3.3 U	3.5 U	4.1 U

Notes:

ug/kg - micrograms per kilogram

DUP - denotes field duplicate of preceding sample

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

J - Indicates an estimated value

P - This flag is used for PCB target analyte when there
is >25% difference for detected concentrations between
two GC columns

The lower of the two values is reported on Form 1
and flagged with a "P"

**Summary of Total PCBs in Soil
Caemmerer Yard West Investigation**

Table O.2-45

Location ID	SB-U-2	SB-U-2	SB-U-2
Sample ID	SB-U-2-DOS-2-3	SB-U-2-DOS-3-5	SB-U-2-DOS-12-15
Depth	2-3	3-5	12-15
Dilution Factor	1.0	1.0	1.0
Sample Date	9/11/2004	9/11/2004	9/11/2004
Unit	ug/Kg	ug/Kg	ug/Kg
AROCLOR-1016 (PCB-1016)	5.9 U	6.1 U	8.4 U
AROCLOR-1221 (PCB-1221)	4 U	4.2 U	5.7 U
AROCLOR-1232 (PCB-1232)	2.7 U	2.8 U	3.9 U
AROCLOR-1242 (PCB-1242)	3.5 U	3.6 U	5 U
AROCLOR-1248 (PCB-1248)	4.1 U	4.3 U	5.9 U
AROCLOR-1254 (PCB-1254)	1.5 U	1.6 U	2.2 U
AROCLOR-1260 (PCB-1260)	3.3 U	3.5 U	4.7 U

Notes:

ug/kg - micrograms per kilogram

DUP - denotes field duplicate of preceding sample

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

J - Indicates an estimated value

P - This flag is used for PCB target analyte when there
is >25% difference for detected concentrations between
two GC columns

The lower of the two values is reported on Form 1
and flagged with a "P"

**Summary of Total PCBs in Soil
Caemmerer Yard West Investigation**

Table O.2-45

Location ID	E-1	E-1	E-1
Sample ID	E-1-DOS-2-4	E-1-DOS-4-6	E-1-DOS-6-8
Depth	2-4	4-6	6-8
Dilution Factor	1.0	1.0	1.0
Sample Date	9/13/2004	9/13/2004	9/13/2004
Unit	ug/Kg	ug/Kg	ug/Kg
AROCLOR-1016 (PCB-1016)	5.9 U	6 U	6.2 U
AROCLOR-1221 (PCB-1221)	4 U	4.1 U	4.2 U
AROCLOR-1232 (PCB-1232)	2.7 U	2.8 U	2.9 U
AROCLOR-1242 (PCB-1242)	3.5 U	3.6 U	3.7 U
AROCLOR-1248 (PCB-1248)	4.2 U	4.2 U	4.4 U
AROCLOR-1254 (PCB-1254)	1.5 U	1.6 U	1.6 U
AROCLOR-1260 (PCB-1260)	3.4 U	3.4 U	3.5 U

Notes:

ug/kg - micrograms per kilogram

DUP - denotes field duplicate of preceding sample

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

J - Indicates an estimated value

P - This flag is used for PCB target analyte when there
is >25% difference for detected concentrations between
two GC columns

The lower of the two values is reported on Form 1
and flagged with a "P"

**Summary of Total PCBs in Soil
Caemmerer Yard West Investigation**

Table O.2-45

Location ID	E-1		E-1		E-1	
Sample ID	E-1-DOS-10-12		E-1-DOS-18-20		E-1-DOS-34-36	
Depth	10-12		18-20		34-36	
Dilution Factor	1.0		1.0		1.0	
Sample Date	9/13/2004		9/13/2004		9/14/2004	
Unit	ug/Kg		ug/Kg		ug/Kg	
AROCLOR-1016 (PCB-1016)	6.1	U	6.1	U	8.1	U
AROCLOR-1221 (PCB-1221)	4.2	U	4.2	U	5.5	U
AROCLOR-1232 (PCB-1232)	2.8	U	2.8	U	3.7	U
AROCLOR-1242 (PCB-1242)	3.6	U	3.6	U	4.8	U
AROCLOR-1248 (PCB-1248)	4.3	U	4.3	U	5.7	U
AROCLOR-1254 (PCB-1254)	1.6	U	1.6	U	2.1	U
AROCLOR-1260 (PCB-1260)	3.5	U	3.5	U	4.6	U

Notes:

ug/kg - micrograms per kilogram

DUP - denotes field duplicate of preceding sample

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

J - Indicates an estimated value

P - This flag is used for PCB target analyte when there
is >25% difference for detected concentrations between
two GC columns

The lower of the two values is reported on Form 1
and flagged with a "P"

**Summary of Total PCBs in Soil
Caemmerer Yard West Investigation**

Table O.2-45

Location ID	E-2	E-2	E-2
Sample ID	E-2-DOS-1-2	E-2-DOS-5-7	E-2-DOS-23-27
Depth	1-2	5-7	23-27
Dilution Factor	1.0	1.0	1.0
Sample Date	9/11/2004	9/11/2004	9/11/2004
Unit	ug/Kg	ug/Kg	ug/Kg
AROCLOR-1016 (PCB-1016)	5.7 U	5.9 U	6.4 U
AROCLOR-1221 (PCB-1221)	3.9 U	4 U	4.3 U
AROCLOR-1232 (PCB-1232)	2.6 U	2.7 U	2.9 U
AROCLOR-1242 (PCB-1242)	3.4 U	3.5 U	3.8 U
AROCLOR-1248 (PCB-1248)	4 U	4.1 U	4.5 U
AROCLOR-1254 (PCB-1254)	1.5 U	1.5 U	1.6 U
AROCLOR-1260 (PCB-1260)	3.2 U	3.3 U	3.6 U

Notes:

ug/kg - micrograms per kilogram

DUP - denotes field duplicate of preceding sample

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

J - Indicates an estimated value

P - This flag is used for PCB target analyte when there
is >25% difference for detected concentrations between
two GC columns

The lower of the two values is reported on Form 1
and flagged with a "P"

**Summary of Total PCBs in Soil
Caemmerer Yard West Investigation**

Table O.2-45

Location ID	E-3	E-3	E-3
Sample ID	E-3-NYDOS-4-6	E-3-NYDOS-6-8	E-3-NYDOS12-14
Depth	4-6	6-8	12-14
Dilution Factor	1.0	1.0	1.0
Sample Date	9/12/2004	9/12/2004	9/12/2004
Unit	ug/Kg	ug/Kg	ug/Kg
AROCLOR-1016 (PCB-1016)	6.3 U	6.2 U	6.4 U
AROCLOR-1221 (PCB-1221)	4.3 U	4.2 U	4.4 U
AROCLOR-1232 (PCB-1232)	2.9 U	2.9 U	3 U
AROCLOR-1242 (PCB-1242)	3.7 U	3.7 U	3.8 U
AROCLOR-1248 (PCB-1248)	4.4 U	4.4 U	4.5 U
AROCLOR-1254 (PCB-1254)	1.6 U	1.6 U	1.7 U
AROCLOR-1260 (PCB-1260)	3.6 U	3.5 U	3.6 U

Notes:

ug/kg - micrograms per kilogram

DUP - denotes field duplicate of preceding sample

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

J - Indicates an estimated value

P - This flag is used for PCB target analyte when there
is >25% difference for detected concentrations between
two GC columns

The lower of the two values is reported on Form 1
and flagged with a "P"

**Summary of Total PCBs in Soil
Caemmerer Yard West Investigation**

Table O.2-45

Location ID	E-3	E-5	E-5
Sample ID	E-3-NYDOS-26-28	E-5-DOS-4-5	E-5-DOS-7-9
Depth	26-28	4-5	7-9
Dilution Factor	1.0	1.0	1.0
Sample Date	9/12/2004	9/17/2004	9/17/2004
Unit	ug/Kg	ug/Kg	ug/Kg
AROCLOR-1016 (PCB-1016)	8.7 U	6.6 U	7.8 U
AROCLOR-1221 (PCB-1221)	5.9 U	4.5 U	5.3 U
AROCLOR-1232 (PCB-1232)	4 U	3 U	3.6 U
AROCLOR-1242 (PCB-1242)	5.2 U	3.9 U	4.6 U
AROCLOR-1248 (PCB-1248)	6.1 U	4.6 U	5.5 U
AROCLOR-1254 (PCB-1254)	2.2 U	1.7 U	2 U
AROCLOR-1260 (PCB-1260)	4.9 U	3.7 U	4.4 U

Notes:

ug/kg - micrograms per kilogram

DUP - denotes field duplicate of preceding sample

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

J - Indicates an estimated value

P - This flag is used for PCB target analyte when there
is >25% difference for detected concentrations between
two GC columns

The lower of the two values is reported on Form 1
and flagged with a "P"

**Summary of Total PCBs in Soil
Caemmerer Yard West Investigation**

Table O.2-45

Location ID	E-5	E-5	E-6
Sample ID	E-5-DOS-12-14	E-5-DOS-16-18	E-6-NYDOS-2-3
Depth	12-14	16-18	2-3
Dilution Factor	1.0	1.0	1.0
Sample Date	9/17/2004	9/17/2004	9/17/2004
Unit	ug/Kg	ug/Kg	ug/Kg
AROCLOR-1016 (PCB-1016)	6.8 U	6.6 U	6 U
AROCLOR-1221 (PCB-1221)	4.6 U	4.5 U	4.1 U
AROCLOR-1232 (PCB-1232)	3.1 U	3 U	2.8 U
AROCLOR-1242 (PCB-1242)	4 U	3.9 U	3.6 U
AROCLOR-1248 (PCB-1248)	4.8 U	4.6 U	4.2 U
AROCLOR-1254 (PCB-1254)	1.8 U	1.7 U	1.6 U
AROCLOR-1260 (PCB-1260)	3.9 U	3.7 U	32 U

Notes:

ug/kg - micrograms per kilogram

DUP - denotes field duplicate of preceding sample

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

J - Indicates an estimated value

P - This flag is used for PCB target analyte when there
is >25% difference for detected concentrations between
two GC columns

The lower of the two values is reported on Form 1
and flagged with a "P"

**Summary of Total PCBs in Soil
Caemmerer Yard West Investigation**

Table O.2-45

Location ID	E-6	E-6	E-6
Sample ID	E-6-NYDOS-4-6	E-6-NYDOS-6-7	E-6-NYDOS-17-19
Depth	4-6	6-7	17-19
Dilution Factor	1.0	1.0	1.0
Sample Date	9/15/2004	9/17/2004	9/17/2004
Unit	ug/Kg	ug/Kg	ug/Kg
AROCLOR-1016 (PCB-1016)	5.9 U	6.7 U	6.1 U
AROCLOR-1221 (PCB-1221)	4 U	4.6 U	4.1 U
AROCLOR-1232 (PCB-1232)	2.7 U	3.1 U	2.8 U
AROCLOR-1242 (PCB-1242)	3.5 U	4 U	3.6 U
AROCLOR-1248 (PCB-1248)	4.1 U	4.7 U	4.3 U
AROCLOR-1254 (PCB-1254)	1.5 U	1.7 U	1.6 U
AROCLOR-1260 (PCB-1260)	3.3 U	3.8 U	3.4 U

Notes:

ug/kg - micrograms per kilogram

DUP - denotes field duplicate of preceding sample

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

J - Indicates an estimated value

P - This flag is used for PCB target analyte when there
is >25% difference for detected concentrations between
two GC columns

The lower of the two values is reported on Form 1
and flagged with a "P"

**Summary of Total PCBs in Soil
Caemmerer Yard West Investigation**

Table O.2-45

Location ID	E-8	E-8	E-8
Sample ID	E-8-NYDOS-4-5	E-8-NYDOS-6-8	E-8-NYDOS-14-16
Depth	4-5	6-8	14-16
Dilution Factor	1.0	1.0	1.0
Sample Date	9/13/2004	9/13/2004	9/13/2004
Unit	ug/Kg	ug/Kg	ug/Kg
AROCLOR-1016 (PCB-1016)	6.2 U	5.8 U	6.5 U
AROCLOR-1221 (PCB-1221)	4.2 U	3.9 U	4.4 U
AROCLOR-1232 (PCB-1232)	2.9 U	2.7 U	3 U
AROCLOR-1242 (PCB-1242)	3.7 U	3.4 U	3.8 U
AROCLOR-1248 (PCB-1248)	4.3 U	4 U	4.5 U
AROCLOR-1254 (PCB-1254)	1.6 U	1.5 U	1.7 U
AROCLOR-1260 (PCB-1260)	3.5 U	3.3 U	3.7 U

Notes:

ug/kg - micrograms per kilogram

DUP - denotes field duplicate of preceding sample

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

J - Indicates an estimated value

P - This flag is used for PCB target analyte when there
is >25% difference for detected concentrations between
two GC columns

The lower of the two values is reported on Form 1
and flagged with a "P"

**Summary of Total PCBs in Soil
Caemmerer Yard West Investigation**

Table O.2-45

Location ID	E-8	E-16	E-16
Sample ID	E-8-NYDOS-28-30	E-16-NYDOS-0-2	E-16-NYDOS-2-3
Depth	28-30	0-2	2-3
Dilution Factor	1.0	1.0	1.0
Sample Date	9/13/2004	9/12/2004	9/12/2004
Unit	ug/Kg	ug/Kg	ug/Kg
AROCLOR-1016 (PCB-1016)	7.7 U	6.3 U	6 U
AROCLOR-1221 (PCB-1221)	5.2 U	4.3 U	4.1 U
AROCLOR-1232 (PCB-1232)	3.5 U	2.9 U	2.8 U
AROCLOR-1242 (PCB-1242)	4.6 U	3.7 U	3.6 U
AROCLOR-1248 (PCB-1248)	5.4 U	4.4 U	4.2 U
AROCLOR-1254 (PCB-1254)	2 U	1.6 U	1.6 U
AROCLOR-1260 (PCB-1260)	4.3 U	3.5 U	3.4 U

Notes:

ug/kg - micrograms per kilogram

DUP - denotes field duplicate of preceding sample

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

J - Indicates an estimated value

P - This flag is used for PCB target analyte when there
is >25% difference for detected concentrations between
two GC columns

The lower of the two values is reported on Form 1
and flagged with a "P"

**Summary of Total PCBs in Soil
Caemmerer Yard West Investigation**

Table O.2-45

Location ID	E-16		E-16		E-16	
Sample ID	E-16-NYDOS-6.5-7.5		E-16-NYDOS-12-14		E-16-NYDOS-16-18	
Depth	6.5-7.5		12-14		16-18	
Dilution Factor	1.0		1.0		1.0	
Sample Date	9/12/2004		9/12/2004		9/12/2004	
Unit	ug/Kg		ug/Kg		ug/Kg	
AROCLOR-1016 (PCB-1016)	5.9	U	6.3	U	6.2	U
AROCLOR-1221 (PCB-1221)	4	U	4.3	U	4.2	U
AROCLOR-1232 (PCB-1232)	2.7	U	2.9	U	2.9	U
AROCLOR-1242 (PCB-1242)	3.5	U	3.8	U	3.7	U
AROCLOR-1248 (PCB-1248)	4.1	U	4.4	U	4.4	U
AROCLOR-1254 (PCB-1254)	1.5	U	1.6	U	1.6	U
AROCLOR-1260 (PCB-1260)	3.3	U	3.6	U	3.5	U

Notes:

ug/kg - micrograms per kilogram

DUP - denotes field duplicate of preceding sample

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

J - Indicates an estimated value

P - This flag is used for PCB target analyte when there
is >25% difference for detected concentrations between
two GC columns

The lower of the two values is reported on Form 1
and flagged with a "P"

**Summary of Total PCBs in Soil
Caemmerer Yard West Investigation**

Table O.2-45

Location ID	E-16	E-17	E-17
Sample ID	E-16-NYDOS-20-22	E-17-DOS-2-3	E-17-DOS-7-9
Depth	20-22	2-3	7-9
Dilution Factor	1.0	1.0	1.0
Sample Date	9/12/2004	9/10/2004	9/10/2004
Unit	ug/Kg	ug/Kg	ug/Kg
AROCLOR-1016 (PCB-1016)	6.4 U	5.8 U	6.1 U
AROCLOR-1221 (PCB-1221)	4.4 U	4 U	4.2 U
AROCLOR-1232 (PCB-1232)	3 U	2.7 U	2.8 U
AROCLOR-1242 (PCB-1242)	3.8 U	3.5 U	3.6 U
AROCLOR-1248 (PCB-1248)	4.5 U	4.1 U	4.3 U
AROCLOR-1254 (PCB-1254)	1.7 U	1.5 U	1.6 U
AROCLOR-1260 (PCB-1260)	3.6 U	3.3 U	3.4 U

Notes:

ug/kg - micrograms per kilogram

DUP - denotes field duplicate of preceding sample

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

J - Indicates an estimated value

P - This flag is used for PCB target analyte when there
is >25% difference for detected concentrations between
two GC columns

The lower of the two values is reported on Form 1
and flagged with a "P"

**Summary of Total PCBs in Soil
Caemmerer Yard West Investigation**

Table O.2-45

Location ID	E-17	E-9	E-9
Sample ID	E-17-DOS-13-16	E-9-NYCTA-2-3	E-9-NYCTA-10-16
Depth	13-16	2-3	10-16
Dilution Factor	1.0	1.0	1.0
Sample Date	9/10/2004	9/28/2004	9/29/2004
Unit	ug/Kg	ug/Kg	ug/Kg
AROCLOR-1016 (PCB-1016)	6.2 U	6.2 U	6.3 U
AROCLOR-1221 (PCB-1221)	4.2 U	4.2 U	4.3 U
AROCLOR-1232 (PCB-1232)	2.9 U	2.9 U	2.9 U
AROCLOR-1242 (PCB-1242)	3.7 U	3.7 U	3.7 U
AROCLOR-1248 (PCB-1248)	4.3 U	4.3 U	4.4 U
AROCLOR-1254 (PCB-1254)	1.6 U	1.6 U	1.6 U
AROCLOR-1260 (PCB-1260)	3.5 U	3.5 U	3.5 U

Notes:

ug/kg - micrograms per kilogram

DUP - denotes field duplicate of preceding sample

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

J - Indicates an estimated value

P - This flag is used for PCB target analyte when there
is >25% difference for detected concentrations between
two GC columns

The lower of the two values is reported on Form 1
and flagged with a "P"

**Summary of Total PCBs in Soil
Caemmerer Yard West Investigation**

Table O.2-45

Location ID	E-9	E-22	E-22
Sample ID	DUP-S-09-30-04-2	E-22-NYCTA-2-2.5	E-22-NYCTA-4.5-5
Depth	10-16	2-2.5	4.5-5
Dilution Factor	1.0	1.0	1.0
Sample Date	9/29/2004	9/24/2004	9/24/2004
Unit	ug/Kg	ug/Kg	ug/Kg
AROCLOR-1016 (PCB-1016)	1 U	5.7 U	6 U
AROCLOR-1221 (PCB-1221)	1.5 U	3.9 U	4.1 U
AROCLOR-1232 (PCB-1232)	1.4 U	2.6 U	2.8 U
AROCLOR-1242 (PCB-1242)	1.5 U	3.4 U	3.6 U
AROCLOR-1248 (PCB-1248)	1.9 U	4 U	4.2 U
AROCLOR-1254 (PCB-1254)	1.6 U	1.5 U	1.6 U
AROCLOR-1260 (PCB-1260)	1.3 U	74	9.8 J

Notes:

ug/kg - micrograms per kilogram

DUP - denotes field duplicate of preceding sample

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

J - Indicates an estimated value

P - This flag is used for PCB target analyte when there
is >25% difference for detected concentrations between
two GC columns

The lower of the two values is reported on Form 1
and flagged with a "P"

**Summary of Total PCBs in Soil
Caemmerer Yard West Investigation**

Table O.2-45

Location ID	E-22		E-22		E-10	
Sample ID	E-22-NYCTA-18-20		E-22-NYCTA-35-37		E-10-SW-2-3	
Depth	18-20		35-37		2-3	
Dilution Factor	1.0		1.0		1.0	
Sample Date	9/25/2004		9/25/2004		9/28/2004	
Unit	ug/Kg		ug/Kg		ug/Kg	
AROCLOR-1016 (PCB-1016)	6.3	U	6.7	U	5.8	U
AROCLOR-1221 (PCB-1221)	4.3	U	4.6	U	3.9	U
AROCLOR-1232 (PCB-1232)	2.9	U	3.1	U	2.7	U
AROCLOR-1242 (PCB-1242)	3.8	U	4	U	3.4	U
AROCLOR-1248 (PCB-1248)	4.4	U	4.7	U	4	U
AROCLOR-1254 (PCB-1254)	1.6	U	1.7	U	1.5	U
AROCLOR-1260 (PCB-1260)	3.6	U	3.8	U	3.3	U

Notes:

ug/kg - micrograms per kilogram

DUP - denotes field duplicate of preceding sample

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

J - Indicates an estimated value

P - This flag is used for PCB target analyte when there
is >25% difference for detected concentrations between
two GC columns

The lower of the two values is reported on Form 1
and flagged with a "P"

**Summary of Total PCBs in Soil
Caemmerer Yard West Investigation**

Table O.2-45

Location ID	E-10A	E-10A	E-15
Sample ID	E-10A-SW-2-4	E-10A-SW-5-9	E-15-SW-0-2
Depth	2-4	5-9	0-2
Dilution Factor	1.0	1.0	1.0
Sample Date	9/30/2004	9/30/2004	10/1/2004
Unit	ug/Kg	ug/Kg	ug/Kg
AROCLOR-1016 (PCB-1016)	5.3 U	5.5 U	5.7 U
AROCLOR-1221 (PCB-1221)	3.6 U	3.7 U	3.9 U
AROCLOR-1232 (PCB-1232)	2.5 U	2.5 U	2.6 U
AROCLOR-1242 (PCB-1242)	3.2 U	3.3 U	3.4 U
AROCLOR-1248 (PCB-1248)	3.7 U	3.9 U	4 U
AROCLOR-1254 (PCB-1254)	1.4 U	1.4 U	1.5 U
AROCLOR-1260 (PCB-1260)	3 U	3.1 U	3.2 U

Notes:

ug/kg - micrograms per kilogram

DUP - denotes field duplicate of preceding sample

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

J - Indicates an estimated value

P - This flag is used for PCB target analyte when there
is >25% difference for detected concentrations between
two GC columns

The lower of the two values is reported on Form 1
and flagged with a "P"

**Summary of Total PCBs in Soil
Caemmerer Yard West Investigation**

Table O.2-45

Location ID	E-15		E-15		E-15	
Sample ID	E-15-SW-5-6		E-15-SW-12-14		E-15-SW-14-17	
Depth	5-6		12-14		14-17	
Dilution Factor	1.0		1.0		1.0	
Sample Date	10/1/2004		10/4/2004		10/4/2004	
Unit	ug/Kg		ug/Kg		ug/Kg	
AROCLOR-1016 (PCB-1016)	5.9	U	5.9	U	6.3	U
AROCLOR-1221 (PCB-1221)	4	U	4	U	4.3	U
AROCLOR-1232 (PCB-1232)	2.7	U	2.7	U	2.9	U
AROCLOR-1242 (PCB-1242)	3.5	U	3.5	U	3.8	U
AROCLOR-1248 (PCB-1248)	4.1	U	4.1	U	4.4	U
AROCLOR-1254 (PCB-1254)	1.5	U	1.5	U	1.6	U
AROCLOR-1260 (PCB-1260)	3.3	U	3.3	U	3.6	U

Notes:

ug/kg - micrograms per kilogram

DUP - denotes field duplicate of preceding sample

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

J - Indicates an estimated value

P - This flag is used for PCB target analyte when there
is >25% difference for detected concentrations between
two GC columns

The lower of the two values is reported on Form 1
and flagged with a "P"

**Summary of Total PCBs in Soil
Caemmerer Yard West Investigation**

Table O.2-45

Location ID	SB-H-04	SB-H-04	SB-H-04
Sample ID	SB-H-04-LIRR-2-4	SB-H-04-LIRR-8-10	SB-H-04-LIRR-12-14
Depth	2-4	8-10	12-14
Dilution Factor	1.0	1.0	1.0
Sample Date	9/21/2004	9/21/2004	9/21/2004
Unit	ug/Kg	ug/Kg	ug/Kg
AROCLOR-1016 (PCB-1016)	5.5 U	7.5 U	6.6 U
AROCLOR-1221 (PCB-1221)	3.7 U	5.1 U	4.5 U
AROCLOR-1232 (PCB-1232)	2.5 U	3.5 U	3.1 U
AROCLOR-1242 (PCB-1242)	3.2 U	4.4 U	3.9 U
AROCLOR-1248 (PCB-1248)	3.8 U	5.3 U	4.6 U
AROCLOR-1254 (PCB-1254)	1.4 U	1.9 U	1.7 U
AROCLOR-1260 (PCB-1260)	3.1 U	4.2 U	3.7 U

Notes:

ug/kg - micrograms per kilogram

DUP - denotes field duplicate of preceding sample

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

J - Indicates an estimated value

P - This flag is used for PCB target analyte when there
is >25% difference for detected concentrations between
two GC columns

The lower of the two values is reported on Form 1
and flagged with a "P"

**Summary of Total PCBs in Soil
Caemmerer Yard West Investigation**

Table O.2-45

Location ID	SB-H-04	SB-H-05	SB-H-05
Sample ID	SB-H-04-LIRR-18-20	SB-H-05-LIRR-4-6	SB-H-05-LIRR-10-12
Depth	18-20	4-6	10-12
Dilution Factor	1.0	1.0	1.0
Sample Date	9/21/2004	9/17/2004	9/21/2004
Unit	ug/Kg	ug/Kg	ug/Kg
AROCLOR-1016 (PCB-1016)	8.7 U	5.5 U	6.8 U
AROCLOR-1221 (PCB-1221)	5.9 U	3.7 U	4.6 U
AROCLOR-1232 (PCB-1232)	4 U	2.5 U	3.1 U
AROCLOR-1242 (PCB-1242)	5.2 U	3.2 U	4 U
AROCLOR-1248 (PCB-1248)	6.1 U	3.8 U	4.8 U
AROCLOR-1254 (PCB-1254)	2.2 U	1.4 U	1.8 U
AROCLOR-1260 (PCB-1260)	4.9 U	3.1 U	3.9 U

Notes:

ug/kg - micrograms per kilogram

DUP - denotes field duplicate of preceding sample

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

J - Indicates an estimated value

P - This flag is used for PCB target analyte when there
is >25% difference for detected concentrations between
two GC columns

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and flagged with a "P"

**Summary of Total PCBs in Soil
Caemmerer Yard West Investigation**

Table O.2-45

Location ID	SB-H-05	SB-H-06	SB-H-06
Sample ID	SB-H-05-LIRR-18-20	SB-H-06-LIRR-2-4	SB-H-06-LIRR-8-10
Depth	18-20	2-4	8-10
Dilution Factor	1.0	1.0	1.0
Sample Date	9/21/2004	9/22/2004	9/22/2004
Unit	ug/Kg	ug/Kg	ug/Kg
AROCLOR-1016 (PCB-1016)	6.6 U	5.5 U	6.1 U
AROCLOR-1221 (PCB-1221)	4.5 U	3.8 U	4.2 U
AROCLOR-1232 (PCB-1232)	3.1 U	2.6 U	2.8 U
AROCLOR-1242 (PCB-1242)	3.9 U	3.3 U	3.6 U
AROCLOR-1248 (PCB-1248)	4.6 U	3.9 U	4.3 U
AROCLOR-1254 (PCB-1254)	1.7 U	1.4 U	1.6 U
AROCLOR-1260 (PCB-1260)	3.7 U	3.1 U	3.5 U

Notes:

ug/kg - micrograms per kilogram

DUP - denotes field duplicate of preceding sample

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

J - Indicates an estimated value

P - This flag is used for PCB target analyte when there
is >25% difference for detected concentrations between
two GC columns

The lower of the two values is reported on Form 1
and flagged with a "P"

**Summary of Total PCBs in Soil
Caemmerer Yard West Investigation**

Table O.2-45

Location ID	SB-H-06	SB-H-06	SB-H-07
Sample ID	SB-H-06-LIRR-10-12	SB-H-06-LIRR-24-26	SB-H-07-LIRR-2-4
Depth	10-12	24-26	2-4
Dilution Factor	1.0		1.0
Sample Date	9/22/2004	9/22/2004	10/1/2004
Unit	ug/Kg	ug/Kg	ug/Kg
AROCLOR-1016 (PCB-1016)	6.6 U	1.6 U	5.7 U
AROCLOR-1221 (PCB-1221)	4.5 U	2.3 U	3.9 U
AROCLOR-1232 (PCB-1232)	3.1 U	2.1 U	2.6 U
AROCLOR-1242 (PCB-1242)	3.9 U	2.3 U	3.4 U
AROCLOR-1248 (PCB-1248)	4.6 U	2.9 U	4 U
AROCLOR-1254 (PCB-1254)	1.7 U	2.4 U	1.5 U
AROCLOR-1260 (PCB-1260)	3.7 U	2 U	3.2 U

Notes:

ug/kg - micrograms per kilogram

DUP - denotes field duplicate of preceding sample

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

J - Indicates an estimated value

P - This flag is used for PCB target analyte when there
is >25% difference for detected concentrations between
two GC columns

The lower of the two values is reported on Form 1
and flagged with a "P"

**Summary of Total PCBs in Soil
Caemmerer Yard West Investigation**

Table O.2-45

Location ID	SB-H-07	SB-H-07	SB-H-07
Sample ID	SB-H-07-LIRR-4-6	SB-H-07-LIRR-14-16	DUP-SB-H-07-LIRR
Depth	4-6	14-16	14-16
Dilution Factor	1.0	1.0	1.0
Sample Date	10/1/2004	10/1/2004	10/1/2004
Unit	ug/Kg	ug/Kg	ug/Kg
AROCLOR-1016 (PCB-1016)	6.1 U	6.6 U	7.8 U
AROCLOR-1221 (PCB-1221)	4.2 U	4.5 U	5.3 U
AROCLOR-1232 (PCB-1232)	2.8 U	3 U	3.6 U
AROCLOR-1242 (PCB-1242)	3.6 U	3.9 U	4.6 U
AROCLOR-1248 (PCB-1248)	4.3 U	4.6 U	5.5 U
AROCLOR-1254 (PCB-1254)	1.6 U	1.7 U	2 U
AROCLOR-1260 (PCB-1260)	3.5 U	3.7 U	4.4 U

Notes:

ug/kg - micrograms per kilogram

DUP - denotes field duplicate of preceding sample

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

J - Indicates an estimated value

P - This flag is used for PCB target analyte when there
is >25% difference for detected concentrations between
two GC columns

The lower of the two values is reported on Form 1
and flagged with a "P"

**Summary of Total PCBs in Soil
Caemmerer Yard West Investigation**

Table O.2-45

Location ID	SB-H-07	SB-H-08	SB-H-08
Sample ID	SB-H-07-LIRR-24-26	SB-H-08-LIRR-2-4	SB-H-08-LIRR-4-6
Depth	24-26	2-4	4-6
Dilution Factor	1.0	1.0	1.0
Sample Date	10/1/2004	10/1/2004	10/1/2004
Unit	ug/Kg	ug/Kg	ug/Kg
AROCLOR-1016 (PCB-1016)	8.1 U	5.8 U	6.1 U
AROCLOR-1221 (PCB-1221)	5.5 U	3.9 U	4.1 U
AROCLOR-1232 (PCB-1232)	3.7 U	2.7 U	2.8 U
AROCLOR-1242 (PCB-1242)	4.8 U	3.4 U	3.6 U
AROCLOR-1248 (PCB-1248)	5.7 U	4 U	4.3 U
AROCLOR-1254 (PCB-1254)	2.1 U	1.5 U	1.6 U
AROCLOR-1260 (PCB-1260)	4.6 U	3.3 U	3.4 U

Notes:

ug/kg - micrograms per kilogram

DUP - denotes field duplicate of preceding sample

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

J - Indicates an estimated value

P - This flag is used for PCB target analyte when there
is >25% difference for detected concentrations between
two GC columns

The lower of the two values is reported on Form 1
and flagged with a "P"

**Summary of Total PCBs in Soil
Caemmerer Yard West Investigation**

Table O.2-45

Location ID	SB-H-08	SB-H-08	SB-H-10
Sample ID	SB-H-08-LIRR-16-18	SB-H-08-LIRR-18-20	SB-H-10-LIRR-4-6
Depth	16-18	18-20	4-6
Dilution Factor	1.0	1.0	1.0
Sample Date	10/1/2004	10/1/2004	9/22/2004
Unit	ug/Kg	ug/Kg	ug/Kg
AROCLOR-1016 (PCB-1016)	6.2 U	9.1 U	5.6 U
AROCLOR-1221 (PCB-1221)	4.2 U	6.2 U	3.8 U
AROCLOR-1232 (PCB-1232)	2.8 U	4.2 U	2.6 U
AROCLOR-1242 (PCB-1242)	3.7 U	5.4 U	3.3 U
AROCLOR-1248 (PCB-1248)	4.3 U	6.4 U	4 U
AROCLOR-1254 (PCB-1254)	1.6 U	2.3 U	1.5 U
AROCLOR-1260 (PCB-1260)	3.5 U	5.1 U	3.2 U

Notes:

ug/kg - micrograms per kilogram

DUP - denotes field duplicate of preceding sample

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

J - Indicates an estimated value

P - This flag is used for PCB target analyte when there
is >25% difference for detected concentrations between
two GC columns

The lower of the two values is reported on Form 1
and flagged with a "P"

**Summary of Total PCBs in Soil
Caemmerer Yard West Investigation**

Table O.2-45

Location ID	SB-H-10	SB-H-10	SB-H-10
Sample ID	DUP-2-09-22-04	SB-H-10-LIRR-6-8	SB-H-10-LIRR-22-24
Depth	4-6	6-8	22-24
Dilution Factor	1.0	1.0	1.0
Sample Date	9/21/2004	9/22/2004	9/22/2004
Unit	ug/Kg	ug/Kg	ug/Kg
AROCLOR-1016 (PCB-1016)	5.7 U	5.9 U	6.1 U
AROCLOR-1221 (PCB-1221)	3.9 U	4 U	1.5 U
AROCLOR-1232 (PCB-1232)	2.6 U	2.7 U	9.4 U
AROCLOR-1242 (PCB-1242)	3.4 U	3.5 U	2.6 U
AROCLOR-1248 (PCB-1248)	4 U	4.1 U	6.5 U
AROCLOR-1254 (PCB-1254)	1.5 U	1.5 U	12 U
AROCLOR-1260 (PCB-1260)	3.2 U	3.3 U	2.3 U

Notes:

ug/kg - micrograms per kilogram

DUP - denotes field duplicate of preceding sample

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

J - Indicates an estimated value

P - This flag is used for PCB target analyte when there
is >25% difference for detected concentrations between
two GC columns

The lower of the two values is reported on Form 1
and flagged with a "P"

**Summary of Total PCBs in Soil
Caemmerer Yard West Investigation**

Table O.2-45

Location ID	SB-H-12	SB-H-12	SB-H-12
Sample ID	SB-H-12-LIRR-0-2	SB-H-12-LIRR-6-9	SB-H-12-LIRR-16-18
Depth	0-2	6-9	16-18
Dilution Factor	1.0	1.0	1.0
Sample Date	10/1/2004	10/2/2004	10/2/2004
Unit	ug/Kg	ug/Kg	ug/Kg
AROCLOR-1016 (PCB-1016)	5.7 U	6.1 U	6.7 U
AROCLOR-1221 (PCB-1221)	3.9 U	4.1 U	4.6 U
AROCLOR-1232 (PCB-1232)	2.6 U	2.8 U	3.1 U
AROCLOR-1242 (PCB-1242)	3.4 U	3.6 U	4 U
AROCLOR-1248 (PCB-1248)	4 U	4.3 U	4.7 U
AROCLOR-1254 (PCB-1254)	1.5 U	1.6 U	1.7 U
AROCLOR-1260 (PCB-1260)	4.6 JP	34 P	29

Notes:

ug/kg - micrograms per kilogram

DUP - denotes field duplicate of preceding sample

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

J - Indicates an estimated value

P - This flag is used for PCB target analyte when there
is >25% difference for detected concentrations between
two GC columns

The lower of the two values is reported on Form 1
and flagged with a "P"

**Summary of Total PCBs in Soil
Caemmerer Yard West Investigation**

Table O.2-45

Location ID	SB-H-12	SB-H-13	SB-H-13
Sample ID	SB-H-12-LIRR-28-29	SB-H-13-LIRR-2-4	SB-H-13-LIRR-4-6
Depth	28-29	2-4	4-6
Dilution Factor	1.0	1.0	1.0
Sample Date	10/2/2004	9/25/2004	9/25/2004
Unit	ug/Kg	ug/Kg	ug/Kg
AROCLOR-1016 (PCB-1016)	5.9 U	5.5 U	5.8 U
AROCLOR-1221 (PCB-1221)	4 U	3.7 U	4 U
AROCLOR-1232 (PCB-1232)	2.7 U	2.5 U	2.7 U
AROCLOR-1242 (PCB-1242)	3.5 U	3.2 U	3.4 U
AROCLOR-1248 (PCB-1248)	4.1 U	3.8 U	4.1 U
AROCLOR-1254 (PCB-1254)	1.5 U	1.4 U	1.5 U
AROCLOR-1260 (PCB-1260)	3.3 U	3.1 U	3.3 U

Notes:

ug/kg - micrograms per kilogram

DUP - denotes field duplicate of preceding sample

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

J - Indicates an estimated value

P - This flag is used for PCB target analyte when there
is >25% difference for detected concentrations between
two GC columns

The lower of the two values is reported on Form 1
and flagged with a "P"

**Summary of Total PCBs in Soil
Caemmerer Yard West Investigation**

Table O.2-45

Location ID	SB-H-13	SB-H-13	SB-H-15
Sample ID	SB-H-13-LIRR-14-16	SB-H-13-LIRR-24-26	SB-H-15-LIRR-2-3
Depth	14-16	24-26	2-3
Dilution Factor	1.0	1.0	1.0
Sample Date	9/26/2004	9/26/2004	9/25/2004
Unit	ug/Kg	ug/Kg	ug/Kg
AROCLOR-1016 (PCB-1016)	6.6 U	8.3 U	6 U
AROCLOR-1221 (PCB-1221)	4.5 U	5.6 U	4.1 U
AROCLOR-1232 (PCB-1232)	3.1 U	3.8 U	2.8 U
AROCLOR-1242 (PCB-1242)	3.9 U	4.9 U	3.5 U
AROCLOR-1248 (PCB-1248)	4.7 U	5.8 U	4.2 U
AROCLOR-1254 (PCB-1254)	1.7 U	2.1 U	1.5 U
AROCLOR-1260 (PCB-1260)	3.8 U	4.7 U	3.4 U

Notes:

ug/kg - micrograms per kilogram

DUP - denotes field duplicate of preceding sample

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

J - Indicates an estimated value

P - This flag is used for PCB target analyte when there
is >25% difference for detected concentrations between
two GC columns

The lower of the two values is reported on Form 1
and flagged with a "P"

**Summary of Total PCBs in Soil
Caemmerer Yard West Investigation**

Table O.2-45

Location ID	SB-H-15	SB-H-15	SB-H-15
Sample ID	SB-H-15-LIRR-6-8	DUP-1-09-26-04	SB-H-15-LIRR-10-11
Depth	6-8	6-8	10-11
Dilution Factor	1.0	1.0	1.0
Sample Date	9/26/2004	9/26/2004	9/26/2004
Unit	ug/Kg	ug/Kg	ug/Kg
AROCLOR-1016 (PCB-1016)	6.4 U	6.5 U	6.4 U
AROCLOR-1221 (PCB-1221)	4.4 U	4.5 U	4.3 U
AROCLOR-1232 (PCB-1232)	3 U	3 U	2.9 U
AROCLOR-1242 (PCB-1242)	3.8 U	3.9 U	3.8 U
AROCLOR-1248 (PCB-1248)	4.5 U	4.6 U	4.5 U
AROCLOR-1254 (PCB-1254)	1.7 U	1.7 U	1.6 U
AROCLOR-1260 (PCB-1260)	3.6 U	3.7 U	3.6 U

Notes:

ug/kg - micrograms per kilogram

DUP - denotes field duplicate of preceding sample

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

J - Indicates an estimated value

P - This flag is used for PCB target analyte when there
is >25% difference for detected concentrations between
two GC columns

The lower of the two values is reported on Form 1
and flagged with a "P"

**Summary of Total PCBs in Soil
Caemmerer Yard West Investigation**

Table O.2-45

Location ID	SB-H-18	SB-H-18	SB-H-18
Sample ID	SB-H-18-LIRR-2-4	SB-H-18-LIRR-4-6	SB-H-18-LIRR-12-14
Depth	2-4	4-6	12-14
Dilution Factor	1.0	1.0	1.0
Sample Date	9/26/2004	9/28/2004	9/28/2004
Unit	ug/Kg	ug/Kg	ug/Kg
AROCLOR-1016 (PCB-1016)	5.4 U	5.6 U	7.1 U
AROCLOR-1221 (PCB-1221)	3.7 U	3.8 U	4.8 U
AROCLOR-1232 (PCB-1232)	2.5 U	2.6 U	3.3 U
AROCLOR-1242 (PCB-1242)	3.2 U	3.3 U	4.2 U
AROCLOR-1248 (PCB-1248)	3.8 U	4 U	5 U
AROCLOR-1254 (PCB-1254)	1.4 U	1.5 U	1.8 U
AROCLOR-1260 (PCB-1260)	3.1 U	3.2 U	4 U

Notes:

ug/kg - micrograms per kilogram

DUP - denotes field duplicate of preceding sample

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

J - Indicates an estimated value

P - This flag is used for PCB target analyte when there
is >25% difference for detected concentrations between
two GC columns

The lower of the two values is reported on Form 1
and flagged with a "P"

**Summary of Total PCBs in Soil
Caemmerer Yard West Investigation**

Table O.2-45

Location ID	SB-H-18	SB-H-20	SB-H-20
Sample ID	SB-H-18-LIRR-20-22	SB-H-20-LIRR-2-4	SB-H-20-LIRR-4-6
Depth	20-22	2-4	4-6
Dilution Factor	1.0		
Sample Date	9/29/2004	10/6/2004	10/6/2004
Unit	ug/Kg	ug/Kg	ug/Kg
AROCLOR-1016 (PCB-1016)	8.8 U	1.1 U	1.2 U
AROCLOR-1221 (PCB-1221)	6 U	1.6 U	1.7 U
AROCLOR-1232 (PCB-1232)	4.1 U	1.4 U	1.6 U
AROCLOR-1242 (PCB-1242)	5.2 U	1.6 U	1.7 U
AROCLOR-1248 (PCB-1248)	6.2 U	2 U	2.2 U
AROCLOR-1254 (PCB-1254)	2.3 U	1.6 U	1.8 U
AROCLOR-1260 (PCB-1260)	5 U	1.4 U	1.5 U

Notes:

ug/kg - micrograms per kilogram

DUP - denotes field duplicate of preceding sample

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

J - Indicates an estimated value

P - This flag is used for PCB target analyte when there
is >25% difference for detected concentrations between
two GC columns

The lower of the two values is reported on Form 1
and flagged with a "P"

**Summary of Total PCBs in Soil
Caemmerer Yard West Investigation**

Table O.2-45

Location ID	SB-H-20	SB-H-20	E-23
Sample ID	DUP-S-10-06-04	SB-H-20-LIRR-18-20	E-23-LIRR-1-2
Depth	4-6	18-20	1-2
Dilution Factor			1.0
Sample Date	10/6/2004	10/6/2004	9/21/2004
Unit	ug/Kg	ug/Kg	ug/Kg
AROCLOR-1016 (PCB-1016)	1.2 U	1.3 U	5.6 U
AROCLOR-1221 (PCB-1221)	1.7 U	1.9 U	3.8 U
AROCLOR-1232 (PCB-1232)	1.6 U	1.7 U	2.6 U
AROCLOR-1242 (PCB-1242)	1.7 U	1.9 U	3.3 U
AROCLOR-1248 (PCB-1248)	2.1 U	2.4 U	3.9 U
AROCLOR-1254 (PCB-1254)	1.8 U	2 U	1.4 U
AROCLOR-1260 (PCB-1260)	1.5 U	1.7 U	21

Notes:

ug/kg - micrograms per kilogram

DUP - denotes field duplicate of preceding sample

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

J - Indicates an estimated value

P - This flag is used for PCB target analyte when there
is >25% difference for detected concentrations between
two GC columns

The lower of the two values is reported on Form 1
and flagged with a "P"

**Summary of Total PCBs in Soil
Caemmerer Yard West Investigation**

Table O.2-45

Location ID	E-23A	E-28	E-28
Sample ID	E-23A-LIRR-1-3.5	E-28-LIRR-2-2.5	E-28-LIRR-4-6
Depth	1-3.5	2-2.5	4-6
Dilution Factor	1.0	1.0	1.0
Sample Date	9/22/2004	9/23/2004	9/23/2004
Unit	ug/Kg	ug/Kg	ug/Kg
AROCLOR-1016 (PCB-1016)	5.6 U	5.6 U	5.6 U
AROCLOR-1221 (PCB-1221)	1.4 U	1.4 U	3.8 U
AROCLOR-1232 (PCB-1232)	8.6 U	8.7 U	2.6 U
AROCLOR-1242 (PCB-1242)	2.4 U	2.4 U	3.3 U
AROCLOR-1248 (PCB-1248)	5.9 U	5.9 U	3.9 U
AROCLOR-1254 (PCB-1254)	11 U	11 U	1.4 U
AROCLOR-1260 (PCB-1260)	130	2.2 U	3.1 U

Notes:

ug/kg - micrograms per kilogram

DUP - denotes field duplicate of preceding sample

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

J - Indicates an estimated value

P - This flag is used for PCB target analyte when there
is >25% difference for detected concentrations between
two GC columns

The lower of the two values is reported on Form 1
and flagged with a "P"

**Summary of Total PCBs in Soil
Caemmerer Yard West Investigation**

Table O.2-45

Location ID	E-28	E-28	E-28
Sample ID	E-28-LIRR-8-9	E-28-LIRR-18-20	E-28-LIRR-26-28
Depth	8-9	18-20	26-28
Dilution Factor	1.0	1.0	1.0
Sample Date	9/23/2004	9/23/2004	9/23/2004
Unit	ug/Kg	ug/Kg	ug/Kg
AROCLOR-1016 (PCB-1016)	6.5 U	6.7 U	8.9 U
AROCLOR-1221 (PCB-1221)	4.4 U	4.6 U	6 U
AROCLOR-1232 (PCB-1232)	3 U	3.1 U	4.1 U
AROCLOR-1242 (PCB-1242)	3.8 U	4 U	5.2 U
AROCLOR-1248 (PCB-1248)	4.6 U	4.7 U	6.2 U
AROCLOR-1254 (PCB-1254)	1.7 U	1.7 U	2.3 U
AROCLOR-1260 (PCB-1260)	3.7 U	3.8 U	5 U

Notes:

ug/kg - micrograms per kilogram

DUP - denotes field duplicate of preceding sample

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

J - Indicates an estimated value

P - This flag is used for PCB target analyte when there
is >25% difference for detected concentrations between
two GC columns

The lower of the two values is reported on Form 1
and flagged with a "P"

**Summary of Total PCBs in Soil
Caemmerer Yard West Investigation**

Table O.2-45

Location ID	E-28	E-35	E-35
Sample ID	E-28-LIRR-32-34	E-35-LIRR-0-2	E-35-LIRR-2-4
Depth	32-34	0-2	2-4
Dilution Factor	1.0	1.0	1.0
Sample Date	9/23/2004	9/30/2004	9/30/2004
Unit	ug/Kg	ug/Kg	ug/Kg
AROCLOR-1016 (PCB-1016)	8.4 U	5.5 U	5.7 U
AROCLOR-1221 (PCB-1221)	5.8 U	3.8 U	3.9 U
AROCLOR-1232 (PCB-1232)	3.9 U	2.5 U	2.6 U
AROCLOR-1242 (PCB-1242)	5 U	3.3 U	3.4 U
AROCLOR-1248 (PCB-1248)	5.9 U	3.9 U	4 U
AROCLOR-1254 (PCB-1254)	2.2 U	1.4 U	1.5 U
AROCLOR-1260 (PCB-1260)	4.8 U	3.1 U	3.2 U

Notes:

ug/kg - micrograms per kilogram

DUP - denotes field duplicate of preceding sample

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

J - Indicates an estimated value

P - This flag is used for PCB target analyte when there
is >25% difference for detected concentrations between
two GC columns

The lower of the two values is reported on Form 1
and flagged with a "P"

**Summary of Total PCBs in Soil
Caemmerer Yard West Investigation**

Table O.2-45

Location ID	E-35	E-35	E-37
Sample ID	E-35-LIRR-6-8	E-35-LIRR-10-12	E-37-LIRR-2-4
Depth	6-8	10-12	2-4
Dilution Factor	1.0	1.0	1.0
Sample Date	10/1/2004	10/1/2004	9/30/2004
Unit	ug/Kg	ug/Kg	ug/Kg
AROCLOR-1016 (PCB-1016)	6.6 U	6.9 U	5.4 U
AROCLOR-1221 (PCB-1221)	4.5 U	4.7 U	3.7 U
AROCLOR-1232 (PCB-1232)	3 U	3.2 U	2.5 U
AROCLOR-1242 (PCB-1242)	3.9 U	4.1 U	3.2 U
AROCLOR-1248 (PCB-1248)	4.6 U	4.9 U	3.8 U
AROCLOR-1254 (PCB-1254)	1.7 U	1.8 U	1.4 U
AROCLOR-1260 (PCB-1260)	3.7 U	3.9 U	3.1 U

Notes:

ug/kg - micrograms per kilogram

DUP - denotes field duplicate of preceding sample

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

J - Indicates an estimated value

P - This flag is used for PCB target analyte when there
is >25% difference for detected concentrations between
two GC columns

The lower of the two values is reported on Form 1
and flagged with a "P"

**Summary of Total PCBs in Soil
Caemmerer Yard West Investigation**

Table O.2-45

Location ID	E-37	E-37	E-37
Sample ID	E-37-LIRR-6-8	E-37-LIRR-16-18	E-37-LIRR-20-22
Depth	6-8	16-18	20-22
Dilution Factor	1.0	1.0	1.0
Sample Date	9/29/2004	9/30/2004	9/30/2004
Unit	ug/Kg	ug/Kg	ug/Kg
AROCLOR-1016 (PCB-1016)	5.8 U	6 U	6.2 U
AROCLOR-1221 (PCB-1221)	4 U	4.1 U	4.2 U
AROCLOR-1232 (PCB-1232)	2.7 U	2.8 U	2.9 U
AROCLOR-1242 (PCB-1242)	3.5 U	3.6 U	3.7 U
AROCLOR-1248 (PCB-1248)	4.1 U	4.2 U	4.3 U
AROCLOR-1254 (PCB-1254)	1.5 U	1.5 U	1.6 U
AROCLOR-1260 (PCB-1260)	3.3 U	3.4 U	3.5 U

Notes:

ug/kg - micrograms per kilogram

DUP - denotes field duplicate of preceding sample

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

J - Indicates an estimated value

P - This flag is used for PCB target analyte when there
is >25% difference for detected concentrations between
two GC columns

The lower of the two values is reported on Form 1
and flagged with a "P"

**Summary of Total PCBs in Soil
Caemmerer Yard West Investigation**

Table O.2-45

Location ID	E-50	E-50	E-50
Sample ID	E-50-LIRR-2-4	DUP-S-09-23-04	E-50-LIRR-4-6
Depth	2-4	2-4	4-6
Dilution Factor	1.0	1.0	1.0
Sample Date	9/23/2004	9/23/2004	9/23/2004
Unit	ug/Kg	ug/Kg	ug/Kg
AROCLOR-1016 (PCB-1016)	5.3 U	1 U	5.4 U
AROCLOR-1221 (PCB-1221)	3.6 U	1.5 U	3.7 U
AROCLOR-1232 (PCB-1232)	2.5 U	1.4 U	2.5 U
AROCLOR-1242 (PCB-1242)	3.2 U	1.5 U	3.2 U
AROCLOR-1248 (PCB-1248)	3.7 U	1.9 U	3.8 U
AROCLOR-1254 (PCB-1254)	1.4 U	1.6 U	1.4 U
AROCLOR-1260 (PCB-1260)	3 U	1.3 U	3.1 U

Notes:

ug/kg - micrograms per kilogram

DUP - denotes field duplicate of preceding sample

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

J - Indicates an estimated value

P - This flag is used for PCB target analyte when there
is >25% difference for detected concentrations between
two GC columns

The lower of the two values is reported on Form 1
and flagged with a "P"

**Summary of Total PCBs in Soil
Caemmerer Yard West Investigation**

Table O.2-45

Location ID	E-50	E-50	E-51
Sample ID	E-50-LIRR-10-12	E-50-LIRR-24-26	E-51-LIRR-2-3
Depth	10-12	24-26	2-3
Dilution Factor	1.0	1.0	1.0
Sample Date	9/23/2004	9/23/2004	9/23/2004
Unit	ug/Kg	ug/Kg	ug/Kg
AROCLOR-1016 (PCB-1016)	6.4 U	8 U	5.4 U
AROCLOR-1221 (PCB-1221)	4.4 U	5.4 U	3.7 U
AROCLOR-1232 (PCB-1232)	3 U	3.7 U	2.5 U
AROCLOR-1242 (PCB-1242)	3.8 U	4.7 U	3.2 U
AROCLOR-1248 (PCB-1248)	4.5 U	5.6 U	3.8 U
AROCLOR-1254 (PCB-1254)	1.7 U	2.1 U	1.4 U
AROCLOR-1260 (PCB-1260)	3.6 U	4.5 U	3 U

Notes:

ug/kg - micrograms per kilogram

DUP - denotes field duplicate of preceding sample

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

J - Indicates an estimated value

P - This flag is used for PCB target analyte when there
is >25% difference for detected concentrations between
two GC columns

The lower of the two values is reported on Form 1
and flagged with a "P"

**Summary of Total PCBs in Soil
Caemmerer Yard West Investigation**

Table O.2-45

Location ID	E-51	E-51	E-51
Sample ID	E-51-LIRR-4-6	E-51-LIRR-7-8	E-51-LIRR-16-19
Depth	4-6	7-8	16-19
Dilution Factor	1.0	1.0	1.0
Sample Date	9/23/2004	9/23/2004	9/23/2004
Unit	ug/Kg	ug/Kg	ug/Kg
AROCLOR-1016 (PCB-1016)	5.7 U	6 U	8.5 U
AROCLOR-1221 (PCB-1221)	3.9 U	4.1 U	5.8 U
AROCLOR-1232 (PCB-1232)	2.6 U	2.8 U	3.9 U
AROCLOR-1242 (PCB-1242)	3.4 U	3.5 U	5 U
AROCLOR-1248 (PCB-1248)	4 U	4.2 U	5.9 U
AROCLOR-1254 (PCB-1254)	1.5 U	1.5 U	2.2 U
AROCLOR-1260 (PCB-1260)	3.2 U	3.4 U	4.8 U

Notes:

ug/kg - micrograms per kilogram

DUP - denotes field duplicate of preceding sample

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

J - Indicates an estimated value

P - This flag is used for PCB target analyte when there
is >25% difference for detected concentrations between
two GC columns

The lower of the two values is reported on Form 1
and flagged with a "P"

**Summary of Total Herbicides and Pesticides in Soil
Caemmerer Yard West Investigation**

Table O.2-44

Location ID	E-27		E-40	
Sample ID	E-27-SW12-7-9		E-40-SW-2-4	
Depth	7-9		2-4	
Dilution Factor	1.0		1.0	
Sample Date	10/1/2004		10/5/2004	
Unit	ug/Kg		ug/Kg	
1,1,1-TRICHLORO-2,2-BIS (P-METHOXYPHENYL)-ETHANE	1.4	U	1.3	U
2,4,5-T (2,4,5-TRICHLOROPHENOXYACETIC ACID)	1.5	U	1.4	U
2,4-D	5.2	U	4.9	U
2,4-DB	3.1	U	2.9	U
4,4'- DDD	1.2	U	1.1	U
4,4'-DDE	1.5	U	1.4	U
4,4'-DDT	2.1	U	2	U
ALDRIN	1.2	U	1.1	U
ALPHA- BHC	1.3	U	1.2	U
alpha-Chlordane	1.7	U	1.6	U
BETA - BHC	1.3	U	1.2	U
CAMPHECHLOR	3.4	U	3.2	U
DELTA - BHC	1	U	0.95	U
DICAMBA	1.5	U	1.4	U
DICHLORPROP	3.3	U	3.1	U
DIELDRIN	1.1	U	1.1	U
DINITROBUTYL PHENOL	1.2	U	1.2	U
ENDOSULFAN I	1.7	U	1.6	U
Endosulfan II	1.5	U	1.4	U
ENDOSULFAN SULFATE	1.7	U	1.6	U
ENDRIN	2.1	U	2	U
ENDRIN ALDEHYDE	1.7	U	1.6	U
ENDRIN KETONE	1.5	U	1.4	U
GAMMA - BHC (LINDANE)	1.4	U	1.3	U
gamma-Chlordane	1.7	U	1.6	U
HEPTACHLOR	1.5	U	1.4	U
HEPTACHLOR EPOXIDE	1.4	U	1.4	U
SILVEX	1.6	U	1.5	U

Notes:

ug/kg - micrograms per kilogram

DUP - denotes field duplicate of preceding sample

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

J - Indicates an estimated value

P - This flag is used for Pesticide target analyte when there
is >25% difference for detected concentrations between two GC columns
The lower of the two values is reported on Form 1 and flagged with a "P"

**Summary of Total Herbicides and Pesticides in Soil
Caemmerer Yard West Investigation**

Table O.2-44

Location ID	E-40		E-40	
Sample ID	DUP-S-10-05-04		E-40-SW-6-8	
Depth	2-4		6-8	
Dilution Factor	1.0		1.0	
Sample Date	10/5/2004		10/5/2004	
Unit	ug/Kg		ug/Kg	
1,1,1-TRICHLORO-2,2-BIS (P-METHOXYPHENYL)-ETHANE	1.3	U	1.8	U
2,4,5-T (2,4,5-TRICHLOROPHENOXYACETIC ACID)	1.3	U	1.9	U
2,4-D	4.8	U	6.7	U
2,4-DB	2.8	U	4	U
4,4'- DDD	1.1	U	1.5	U
4,4'-DDE	1.3	U	1.9	U
4,4'-DDT	1.9	U	2.7	U
ALDRIN	1.1	U	1.5	U
ALPHA- BHC	1.2	U	1.6	U
alpha-Chlordane	1.5	U	2.1	U
BETA - BHC	1.2	U	1.7	U
CAMPHECHLOR	3.1	U	4.3	U
DELTA - BHC	0.92	U	1.3	U
DICAMBA	1.4	U	1.9	U
DICHLORPROP	3	U	4.2	U
DIELDRIN	1	U	1.5	U
DINITROBUTYL PHENOL	1.1	U	1.6	U
ENDOSULFAN I	1.5	U	2.1	U
Endosulfan II	1.4	U	1.9	U
ENDOSULFAN SULFATE	1.5	U	2.1	U
ENDRIN	1.9	U	2.7	U
ENDRIN ALDEHYDE	1.6	U	2.2	U
ENDRIN KETONE	1.3	U	1.9	U
GAMMA - BHC (LINDANE)	1.3	U	1.8	U
gamma-Chlordane	1.5	U	2.2	U
HEPTACHLOR	1.4	U	1.9	U
HEPTACHLOR EPOXIDE	1.3	U	1.8	U
SILVEX	1.4	U	2	U

Notes:

ug/kg - micrograms per kilogram

DUP - denotes field duplicate of preceding sample

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

J - Indicates an estimated value

P - This flag is used for Pesticide target analyte when there
is >25% difference for detected concentrations between two GC columns
The lower of the two values is reported on Form 1 and flagged with a "P"

**Summary of Total Herbicides and Pesticides in Soil
Caemmerer Yard West Investigation**

Table O.2-44

Location ID	E-40		E-40	
Sample ID	E-40-SW-14-16		E-40-SW-20-22	
Depth	14-16		20-22	
Dilution Factor	1.0		1.0	
Sample Date	10/5/2004		10/5/2004	
Unit	ug/Kg		ug/Kg	
1,1,1-TRICHLORO-2,2-BIS (P-METHOXYPHENYL)-ETHANE	1.5	U	1.5	U
2,4,5-T (2,4,5-TRICHLOROPHENOXYACETIC ACID)	1.6	U	1.6	U
2,4-D	5.6	U	5.6	U
2,4-DB	3.3	U	3.3	U
4,4'- DDD	1.3	U	1.3	U
4,4'-DDE	1.6	U	1.6	U
4,4'-DDT	2.3	U	2.3	U
ALDRIN	1.3	U	1.3	U
ALPHA- BHC	1.4	U	1.4	U
alpha-Chlordane	1.8	U	1.8	U
BETA - BHC	1.4	U	1.4	U
CAMPHECHLOR	3.7	U	3.7	U
DELTA - BHC	1.1	U	1.1	U
DICAMBA	1.6	U	1.6	U
DICHLORPROP	3.5	U	3.5	U
DIELDRIN	1.2	U	1.2	U
DINITROBUTYL PHENOL	1.3	U	1.3	U
ENDOSULFAN I	1.8	U	1.8	U
Endosulfan II	1.6	U	1.6	U
ENDOSULFAN SULFATE	1.8	U	1.8	U
ENDRIN	2.2	U	2.2	U
ENDRIN ALDEHYDE	1.9	U	1.9	U
ENDRIN KETONE	1.6	U	1.6	U
GAMMA - BHC (LINDANE)	1.5	U	1.5	U
gamma-Chlordane	1.8	U	1.8	U
HEPTACHLOR	1.6	U	1.6	U
HEPTACHLOR EPOXIDE	1.6	U	1.6	U
SILVEX	1.7	U	1.7	U

Notes:

ug/kg - micrograms per kilogram

DUP - denotes field duplicate of preceding sample

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

J - Indicates an estimated value

P - This flag is used for Pesticide target analyte when there
is >25% difference for detected concentrations between two GC columns
The lower of the two values is reported on Form 1 and flagged with a "P"

**Summary of Total Herbicides and Pesticides in Soil
Caemmerer Yard West Investigation**

Table O.2-44

Location ID	E-47		E-47	
Sample ID	E-47-SW12-1-2		DUP-S-10-04-04	
Depth	1-2		1-2	
Dilution Factor	1.0		1.0	
Sample Date	10/4/2004		10/4/2004	
Unit	ug/Kg		ug/Kg	
1,1,1-TRICHLORO-2,2-BIS (P-METHOXYPHENYL)-ETHANE	1.4	U	1.4	U
2,4,5-T (2,4,5-TRICHLOROPHENOXYACETIC ACID)	1.4	U	1.4	U
2,4-D	5.2	U	5	U
2,4-DB	3.1	U	3	U
4,4'- DDD	1.2	U	1.1	U
4,4'-DDE	1.5	U	1.4	U
4,4'-DDT	2.1	U	2	U
ALDRIN	1.2	U	1.2	U
ALPHA- BHC	1.3	U	1.2	U
alpha-Chlordane	1.7	U	1.6	U
BETA - BHC	1.3	U	1.3	U
CAMPHECHLOR	3.4	U	3.3	U
DELTA - BHC	1	U	0.97	U
DICAMBA	1.5	U	1.4	U
DICHLORPROP	3.2	U	3.2	U
DIELDRIN	1.1	U	1.1	U
DINITROBUTYL PHENOL	1.2	U	1.2	U
ENDOSULFAN I	1.7	U	1.6	U
Endosulfan II	1.5	U	1.5	U
ENDOSULFAN SULFATE	1.7	U	1.6	U
ENDRIN	2.1	U	2	U
ENDRIN ALDEHYDE	1.7	U	1.7	U
ENDRIN KETONE	1.5	U	1.4	U
GAMMA - BHC (LINDANE)	1.4	U	1.3	U
gamma-Chlordane	1.7	U	1.6	U
HEPTACHLOR	1.5	U	1.4	U
HEPTACHLOR EPOXIDE	1.4	U	1.4	U
SILVEX	1.6	U	1.5	U

Notes:

ug/kg - micrograms per kilogram

DUP - denotes field duplicate of preceding sample

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

J - Indicates an estimated value

P - This flag is used for Pesticide target analyte when there
is >25% difference for detected concentrations between two GC columns
The lower of the two values is reported on Form 1 and flagged with a "P"

**Summary of Total Herbicides and Pesticides in Soil
Caemmerer Yard West Investigation**

Table O.2-44

Location ID	E-47		E-61	
Sample ID	E-47-SW12-3-5		E-61-SW-2-4	
Depth	3-5		2-4	
Dilution Factor	1.0		1.0	
Sample Date	10/4/2004		10/3/2004	
Unit	ug/Kg		ug/Kg	
1,1,1-TRICHLORO-2,2-BIS (P-METHOXYPHENYL)-ETHANE	1.3	U	1.5	U
2,4,5-T (2,4,5-TRICHLOROPHENOXYACETIC ACID)	1.4	U	1.5	U
2,4-D	4.9	U	5.4	U
2,4-DB	2.9	U	3.2	U
4,4'- DDD	1.1	U	1.2	U
4,4'-DDE	1.4	U	1.5	U
4,4'-DDT	2	U	2.1	U
ALDRIN	1.1	U	1.2	U
ALPHA- BHC	1.2	U	1.3	U
alpha-Chlordane	1.6	U	1.7	U
BETA - BHC	1.2	U	1.3	U
CAMPHECHLOR	3.2	U	3.5	U
DELTA - BHC	0.94	U	1	U
DICAMBA	1.4	U	1.5	U
DICHLORPROP	3.1	U	3.4	U
DIELDRIN	1.1	U	1.2	U
DINITROBUTYL PHENOL	1.2	U	1.3	U
ENDOSULFAN I	1.6	U	1.7	U
Endosulfan II	1.4	U	1.5	U
ENDOSULFAN SULFATE	1.6	U	1.7	U
ENDRIN	1.9	U	2.1	U
ENDRIN ALDEHYDE	1.6	U	1.8	U
ENDRIN KETONE	1.4	U	1.5	U
GAMMA - BHC (LINDANE)	1.3	U	1.4	U
gamma-Chlordane	1.6	U	1.7	U
HEPTACHLOR	1.4	U	1.5	U
HEPTACHLOR EPOXIDE	1.4	U	1.5	U
SILVEX	1.5	U	1.6	U

Notes:

ug/kg - micrograms per kilogram

DUP - denotes field duplicate of preceding sample

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

J - Indicates an estimated value

P - This flag is used for Pesticide target analyte when there
is >25% difference for detected concentrations between two GC columns

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**Summary of Total Herbicides and Pesticides in Soil
Caemmerer Yard West Investigation**

Table O.2-44

Location ID	E-61	E-61
Sample ID	E-61-SW-8-10	E-61-SW-16-18
Depth	8-10	16-18
Dilution Factor	1.0	1.0
Sample Date	10/3/2004	10/4/2004
Unit	ug/Kg	ug/Kg
1,1,1-TRICHLORO-2,2-BIS (P-METHOXYPHENYL)-ETHANE	1.4 U	1.5 U
2,4,5-T (2,4,5-TRICHLOROPHENOXYACETIC ACID)	1.5 U	1.6 U
2,4-D	5.2 U	5.6 U
2,4-DB	3.1 U	3.3 U
4,4'- DDD	1.2 U	1.2 U
4,4'-DDE	1.5 U	1.5 U
4,4'-DDT	2.1 U	2.2 U
ALDRIN	1.2 U	1.3 U
ALPHA- BHC	1.3 U	1.3 U
alpha-Chlordane	1.7 U	1.8 U
BETA - BHC	1.3 U	1.4 U
CAMPHECHLOR	3.4 U	3.6 U
DELTA - BHC	1 U	1.1 U
DICAMBA	1.5 U	1.6 U
DICHLORPROP	3.3 U	3.5 U
DIELDRIN	1.2 U	1.2 U
DINITROBUTYL PHENOL	1.2 U	1.3 U
ENDOSULFAN I	1.7 U	1.8 U
Endosulfan II	1.5 U	1.6 U
ENDOSULFAN SULFATE	1.7 U	1.8 U
ENDRIN	2.1 U	2.2 U
ENDRIN ALDEHYDE	1.7 U	1.8 U
ENDRIN KETONE	1.5 U	1.6 U
GAMMA - BHC (LINDANE)	1.4 U	1.5 U
gamma-Chlordane	1.7 U	1.8 U
HEPTACHLOR	1.5 U	1.6 U
HEPTACHLOR EPOXIDE	1.4 U	1.5 U
SILVEX	1.6 U	1.7 U

Notes:

ug/kg - micrograms per kilogram

DUP - denotes field duplicate of preceding sample

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

J - Indicates an estimated value

P - This flag is used for Pesticide target analyte when there
is >25% difference for detected concentrations between two GC columns
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**Summary of Total Herbicides and Pesticides in Soil
Caemmerer Yard West Investigation**

Table O.2-44

Location ID	E-61	
Sample ID	E-61-SW-18-20	E-61-SW-22-24
Depth	18-20	22-24
Dilution Factor	1.0	1.0
Sample Date	10/4/2004	10/4/2004
Unit	ug/Kg	ug/Kg
1,1,1-TRICHLORO-2,2-BIS (P-METHOXYPHENYL)-ETHANE	1.6 U	1.5 U
2,4,5-T (2,4,5-TRICHLOROPHENOXYACETIC ACID)	1.7 U	1.5 U
2,4-D	5.9 U	5.3 U
2,4-DB	3.5 U	3.1 U
4,4'- DDD	1.3 U	1.2 U
4,4'-DDE	1.7 U	1.5 U
4,4'-DDT	2.4 U	2.1 U
ALDRIN	1.4 U	1.2 U
ALPHA- BHC	1.4 U	1.3 U
alpha-Chlordane	1.9 U	1.7 U
BETA - BHC	1.5 U	1.3 U
CAMPHECHLOR	3.9 U	3.5 U
DELTA - BHC	1.1 U	1 U
DICAMBA	1.7 U	1.5 U
DICHLORPROP	3.7 U	3.3 U
DIELDRIN	1.3 U	1.2 U
DINITROBUTYL PHENOL	1.4 U	1.2 U
ENDOSULFAN I	1.9 U	1.7 U
Endosulfan II	1.7 U	1.5 U
ENDOSULFAN SULFATE	1.9 U	1.7 U
ENDRIN	2.4 U	2.1 U
ENDRIN ALDEHYDE	2 U	1.8 U
ENDRIN KETONE	1.7 U	1.5 U
GAMMA - BHC (LINDANE)	1.6 U	1.4 U
gamma-Chlordane	1.9 U	1.7 U
HEPTACHLOR	1.7 U	1.5 U
HEPTACHLOR EPOXIDE	1.6 U	1.5 U
SILVEX	1.8 U	1.6 U

Notes:

ug/kg - micrograms per kilogram

DUP - denotes field duplicate of preceding sample

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

J - Indicates an estimated value

P - This flag is used for Pesticide target analyte when there
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**Summary of Total Herbicides and Pesticides in Soil
Caemmerer Yard West Investigation**

Table O.2-44

Location ID	E-61		E-13	
Sample ID	E-61-SW-24-26		E-13-GH-2-3	
Depth	24-26		2-3	
Dilution Factor	1.0		1.0	
Sample Date	10/4/2004		9/16/2004	
Unit	ug/Kg		ug/Kg	
1,1,1-TRICHLORO-2,2-BIS (P-METHOXYPHENYL)-ETHANE	1.8	U	1.5	U
2,4,5-T (2,4,5-TRICHLOROPHOXYACETIC ACID)	1.8	U	1.5	U
2,4-D	6.6	U	5.4	U
2,4-DB	3.9	U	3.2	U
4,4'- DDD	1.4	U	1.2	U
4,4'-DDE	1.8	U	1.5	U
4,4'-DDT	2.6	U	2.2	U
ALDRIN	1.5	U	1.2	U
ALPHA- BHC	1.6	U	1.3	U
alpha-Chlordane	2.1	U	1.7	U
BETA - BHC	1.6	U	1.3	U
CAMPHECHLOR	4.2	U	3.5	U
DELTA - BHC	1.3	U	1	U
DICAMBA	1.8	U	1.5	U
DICHLORPROP	4.1	U	3.4	U
DIELDRIN	1.4	U	1.2	U
DINITROBUTYL PHENOL	1.5	U	1.3	U
ENDOSULFAN I	2.1	U	1.7	U
Endosulfan II	1.9	U	1.6	U
ENDOSULFAN SULFATE	2.1	U	1.7	U
ENDRIN	2.6	U	2.2	U
ENDRIN ALDEHYDE	2.2	U	1.8	U
ENDRIN KETONE	1.8	U	1.5	U
GAMMA - BHC (LINDANE)	1.7	U	1.4	U
gamma-Chlordane	2.1	U	1.7	U
HEPTACHLOR	1.9	U	1.5	U
HEPTACHLOR EPOXIDE	1.8	U	1.5	U
SILVEX	29	P	1.6	U

Notes:

ug/kg - micrograms per kilogram

DUP - denotes field duplicate of preceding sample

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

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**Summary of Total Herbicides and Pesticides in Soil
Caemmerer Yard West Investigation**

Table O.2-44

Location ID	E-13		E-19	
Sample ID	E-13-GH-5-7		E-19-GH-0-2	
Depth	5-7		0-2	
Dilution Factor	1.0		1.0	
Sample Date	9/16/2004		9/25/2004	
Unit	ug/Kg		ug/Kg	
1,1,1-TRICHLORO-2,2-BIS (P-METHOXYPHENYL)-ETHANE	1.3	U	1.3	U
2,4,5-T (2,4,5-TRICHLOROPHENOXYACETIC ACID)	1.3	U	1.4	U
2,4-D	4.8	U	4.8	U
2,4-DB	2.8	U	2.9	U
4,4'- DDD	1.1	U	1.1	U
4,4'-DDE	1.3	U	1.3	U
4,4'-DDT	1.9	U	1.9	U
ALDRIN	1.1	U	1.1	U
ALPHA- BHC	1.2	U	1.2	U
alpha-Chlordane	1.5	U	1.5	U
BETA - BHC	1.2	U	1.2	U
CAMPHECHLOR	3.1	U	3.1	U
DELTA - BHC	0.92	U	0.92	U
DICAMBA	1.3	U	1.4	U
DICHLORPROP	3	U	3	U
DIELDRIN	1	U	1	U
DINITROBUTYL PHENOL	1.1	U	1.1	U
ENDOSULFAN I	1.5	U	1.5	U
Endosulfan II	1.4	U	1.4	U
ENDOSULFAN SULFATE	1.5	U	1.5	U
ENDRIN	1.9	U	1.9	U
ENDRIN ALDEHYDE	1.6	U	1.6	U
ENDRIN KETONE	1.3	U	1.3	U
GAMMA - BHC (LINDANE)	1.3	U	1.3	U
gamma-Chlordane	1.5	U	1.5	U
HEPTACHLOR	1.4	U	1.4	U
HEPTACHLOR EPOXIDE	1.3	U	1.3	U
SILVEX	1.4	U	1.5	U

Notes:

ug/kg - micrograms per kilogram

DUP - denotes field duplicate of preceding sample

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

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P - This flag is used for Pesticide target analyte when there
is >25% difference for detected concentrations between two GC columns
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**Summary of Total Herbicides and Pesticides in Soil
Caemmerer Yard West Investigation**

Table O.2-44

Location ID	E-19		E-19	
Sample ID	E-19-GH-2-4		E-19-GH-7-8	
Depth	2-4		7-8	
Dilution Factor	1.0		1.0	
Sample Date	9/25/2004		9/25/2004	
Unit	ug/Kg		ug/Kg	
1,1,1-TRICHLORO-2,2-BIS (P-METHOXYPHENYL)-ETHANE	1.4	U	1.5	U
2,4,5-T (2,4,5-TRICHLOROPHENOXYACETIC ACID)	1.5	U	1.5	U
2,4-D	5.3	U	5.4	U
2,4-DB	3.2	U	3.2	U
4,4'- DDD	1.2	U	1.2	U
4,4'-DDE	1.5	U	1.5	U
4,4'-DDT	2.1	U	2.2	U
ALDRIN	1.2	U	1.2	U
ALPHA- BHC	1.3	U	1.3	U
alpha-Chlordane	1.7	U	1.7	U
BETA - BHC	1.3	U	1.3	U
CAMPHECHLOR	3.5	U	3.5	U
DELTA - BHC	1	U	1	U
DICAMBA	1.5	U	1.5	U
DICHLORPROP	3.3	U	3.4	U
DIELDRIN	1.2	U	1.2	U
DINITROBUTYL PHENOL	1.3	U	1.3	U
ENDOSULFAN I	1.7	U	1.7	U
Endosulfan II	1.5	U	1.6	U
ENDOSULFAN SULFATE	1.7	U	1.7	U
ENDRIN	2.1	U	2.2	U
ENDRIN ALDEHYDE	1.8	U	1.8	U
ENDRIN KETONE	1.5	U	1.5	U
GAMMA - BHC (LINDANE)	1.4	U	1.4	U
gamma-Chlordane	1.7	U	1.7	U
HEPTACHLOR	1.5	U	1.5	U
HEPTACHLOR EPOXIDE	1.5	U	1.5	U
SILVEX	1.6	U	1.6	U

Notes:

ug/kg - micrograms per kilogram

DUP - denotes field duplicate of preceding sample

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

J - Indicates an estimated value

P - This flag is used for Pesticide target analyte when there
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**Summary of Total Herbicides and Pesticides in Soil
Caemmerer Yard West Investigation**

Table O.2-44

Location ID	E-19		E-19	
Sample ID	E-19-GH-10-12		E-19-GH-12-14	
Depth	10-12		12-14	
Dilution Factor	1.0		1.0	
Sample Date	9/25/2004		9/25/2004	
Unit	ug/Kg		ug/Kg	
1,1,1-TRICHLORO-2,2-BIS (P-METHOXYPHENYL)-ETHANE	1.7	U	1.6	U
2,4,5-T (2,4,5-TRICHLOROPHENOXYACETIC ACID)	1.7	U	1.6	U
2,4-D	6.1	U	5.7	U
2,4-DB	3.6	U	3.4	U
4,4'- DDD	1.4	U	1.3	U
4,4'-DDE	1.7	U	1.6	U
4,4'-DDT	2.5	U	2.3	U
ALDRIN	1.4	U	1.3	U
ALPHA- BHC	1.5	U	1.4	U
alpha-Chlordane	2	U	1.8	U
BETA - BHC	1.5	U	1.4	U
CAMPHECHLOR	4	U	3.7	U
DELTA - BHC	1.2	U	1.1	U
DICAMBA	1.7	U	1.6	U
DICHLORPROP	3.8	U	3.6	U
DIELDRIN	1.3	U	1.3	U
DINITROBUTYL PHENOL	1.4	U	1.3	U
ENDOSULFAN I	1.9	U	1.8	U
Endosulfan II	1.8	U	1.6	U
ENDOSULFAN SULFATE	2	U	1.8	U
ENDRIN	2.4	U	2.3	U
ENDRIN ALDEHYDE	2	U	1.9	U
ENDRIN KETONE	1.7	U	1.6	U
GAMMA - BHC (LINDANE)	1.6	U	1.5	U
gamma-Chlordane	2	U	1.8	U
HEPTACHLOR	1.8	U	1.6	U
HEPTACHLOR EPOXIDE	1.7	U	1.6	U
SILVEX	1.8	U	1.7	U

Notes:

ug/kg - micrograms per kilogram

DUP - denotes field duplicate of preceding sample

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

J - Indicates an estimated value

P - This flag is used for Pesticide target analyte when there
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**Summary of Total Herbicides and Pesticides in Soil
Caemmerer Yard West Investigation**

Table O.2-44

Location ID	E-19		E-19	
Sample ID	E-19-GH-17-19		DUP-S-09-25-04	
Depth	17-19		17-19	
Dilution Factor	1.0		1.0	
Sample Date	9/25/2004		9/25/2004	
Unit	ug/Kg		ug/Kg	
1,1,1-TRICHLORO-2,2-BIS (P-METHOXYPHENYL)-ETHANE	1.5	U	1.5	U
2,4,5-T (2,4,5-TRICHLOROPHENOXYACETIC ACID)	1.5	U	1.2	U
2,4-D	5.5	U	1.5	U
2,4-DB	3.3	U	2.2	U
4,4'- DDD	1.2	U	1.3	U
4,4'-DDE	1.5	U	1.3	U
4,4'-DDT	2.2	U	1.8	U
ALDRIN	1.3	U	1.4	U
ALPHA- BHC	1.3	U	3.6	U
alpha-Chlordane	1.8	U	1.1	U
BETA - BHC	1.4	U	1.5	U
CAMPHECHLOR	3.6	U	1.8	U
DELTA - BHC	1.1	U	1.6	U
DICAMBA	1.5	U	1.5	U
DICHLORPROP	3.4	U	6.2	U
DIELDRIN	1.2	U	4.2	U
DINITROBUTYL PHENOL	1.3	U	2.9	U
ENDOSULFAN I	1.7	U	3.7	U
Endosulfan II	1.6	U	4.4	U
ENDOSULFAN SULFATE	1.8	U	1.6	U
ENDRIN	2.2	U	3.5	U
ENDRIN ALDEHYDE	1.8	U	1.5	U
ENDRIN KETONE	1.6	U	5.5	U
GAMMA - BHC (LINDANE)	1.4	U	3.2	U
gamma-Chlordane	1.8	U	1.5	U
HEPTACHLOR	1.6	U	3.4	U
HEPTACHLOR EPOXIDE	1.5	U	1.3	U
SILVEX	1.7	U	1.6	U

Notes:

ug/kg - micrograms per kilogram

DUP - denotes field duplicate of preceding sample

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

J - Indicates an estimated value

P - This flag is used for Pesticide target analyte when there
is >25% difference for detected concentrations between two GC columns
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**Summary of Total Herbicides and Pesticides in Soil
Caemmerer Yard West Investigation**

Table O.2-44

Location ID	E-19		E-20	
Sample ID	E-19-GH-19-21		E-20-GH-2-4	
Depth	19-21		2-4	
Dilution Factor	1.0		1.0	
Sample Date	9/25/2004		9/21/2004	
Unit	ug/Kg		ug/Kg	
1,1,1-TRICHLORO-2,2-BIS (P-METHOXYPHENYL)-ETHANE	1.6	U	1.4	U
2,4,5-T (2,4,5-TRICHLOROPHENOXYACETIC ACID)	1.6	U	1.4	U
2,4-D	5.8	U	5.1	U
2,4-DB	3.5	U	3	U
4,4'- DDD	1.3	U	1.1	U
4,4'-DDE	1.6	U	1.4	U
4,4'-DDT	2.4	U	2	U
ALDRIN	1.3	U	1.2	U
ALPHA- BHC	1.4	U	1.2	U
alpha-Chlordane	1.9	U	1.6	U
BETA - BHC	1.5	U	1.3	U
CAMPHECHLOR	3.8	U	3.3	U
DELTA - BHC	1.1	U	0.98	U
DICAMBA	1.6	U	1.4	U
DICHLORPROP	3.7	U	3.2	U
DIELDRIN	1.3	U	1.1	U
DINITROBUTYL PHENOL	1.4	U	1.2	U
ENDOSULFAN I	1.9	U	1.6	U
Endosulfan II	1.7	U	1.5	U
ENDOSULFAN SULFATE	1.9	U	1.6	U
ENDRIN	2.3	U	2	U
ENDRIN ALDEHYDE	1.9	U	1.7	U
ENDRIN KETONE	1.7	U	1.4	U
GAMMA - BHC (LINDANE)	1.5	U	1.3	U
gamma-Chlordane	1.9	U	1.6	U
HEPTACHLOR	1.7	U	1.5	U
HEPTACHLOR EPOXIDE	1.6	U	1.4	U
SILVEX	1.8	U	1.5	U

Notes:

ug/kg - micrograms per kilogram

DUP - denotes field duplicate of preceding sample

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

J - Indicates an estimated value

P - This flag is used for Pesticide target analyte when there
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**Summary of Total Herbicides and Pesticides in Soil
Caemmerer Yard West Investigation**

Table O.2-44

Location ID	E-20		E-20	
Sample ID	E-20-GH-4-6		E-20-GH-8-10	
Depth	4-6		8-10	
Dilution Factor	1.0		1.0	
Sample Date	9/21/2004		9/21/2004	
Unit	ug/Kg		ug/Kg	
1,1,1-TRICHLORO-2,2-BIS (P-METHOXYPHENYL)-ETHANE	1.4	U	1.5	U
2,4,5-T (2,4,5-TRICHLOROPHENOXYACETIC ACID)	1.4	U	1.6	U
2,4-D	5.1	U	5.6	U
2,4-DB	3	U	3.3	U
4,4'- DDD	1.1	U	1.3	U
4,4'-DDE	1.4	U	1.6	U
4,4'-DDT	2	U	2.3	U
ALDRIN	1.2	U	1.3	U
ALPHA- BHC	1.2	U	1.4	U
alpha-Chlordane	1.6	U	1.8	U
BETA - BHC	1.3	U	1.4	U
CAMPHECHLOR	3.3	U	3.7	U
DELTA - BHC	0.97	U	1.1	U
DICAMBA	1.4	U	1.6	U
DICHLORPROP	3.2	U	3.5	U
DIELDRIN	1.1	U	1.2	U
DINITROBUTYL PHENOL	1.2	U	1.3	U
ENDOSULFAN I	1.6	U	1.8	U
Endosulfan II	1.5	U	1.6	U
ENDOSULFAN SULFATE	1.6	U	1.8	U
ENDRIN	2	U	2.2	U
ENDRIN ALDEHYDE	1.7	U	1.9	U
ENDRIN KETONE	1.4	U	1.6	U
GAMMA - BHC (LINDANE)	1.3	U	1.5	U
gamma-Chlordane	1.6	U	1.8	U
HEPTACHLOR	1.4	U	1.6	U
HEPTACHLOR EPOXIDE	1.4	U	1.6	U
SILVEX	1.5	U	1.7	U

Notes:

ug/kg - micrograms per kilogram

DUP - denotes field duplicate of preceding sample

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

J - Indicates an estimated value

P - This flag is used for Pesticide target analyte when there
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**Summary of Total Herbicides and Pesticides in Soil
Caemmerer Yard West Investigation**

Table O.2-44

Location ID	E-20		E-20	
Sample ID	E-20-GH-12-14		E-20-GH-41-45	
Depth	12-14		41-45	
Dilution Factor	1.0		1.0	
Sample Date	9/21/2004		9/21/2004	
Unit	ug/Kg		ug/Kg	
1,1,1-TRICHLORO-2,2-BIS (P-METHOXYPHENYL)-ETHANE	1.6	U	1.8	U
2,4,5-T (2,4,5-TRICHLOROPHENOXYACETIC ACID)	1.6	U	1.8	U
2,4-D	5.9	U	6.6	U
2,4-DB	3.5	U	3.9	U
4,4'- DDD	1.3	U	1.5	U
4,4'-DDE	1.6	U	1.9	U
4,4'-DDT	2.3	U	2.7	U
ALDRIN	1.3	U	1.5	U
ALPHA- BHC	1.4	U	1.6	U
alpha-Chlordane	1.9	U	2.1	U
BETA - BHC	1.4	U	1.7	U
CAMPHECHLOR	3.8	U	4.3	U
DELTA - BHC	1.1	U	1.3	U
DICAMBA	1.7	U	1.9	U
DICHLORPROP	3.7	U	4.1	U
DIELDRIN	1.3	U	1.5	U
DINITROBUTYL PHENOL	1.4	U	1.6	U
ENDOSULFAN I	1.9	U	2.1	U
Endosulfan II	1.7	U	1.9	U
ENDOSULFAN SULFATE	1.9	U	2.1	U
ENDRIN	2.3	U	2.6	U
ENDRIN ALDEHYDE	1.9	U	2.2	U
ENDRIN KETONE	1.7	U	1.9	U
GAMMA - BHC (LINDANE)	1.5	U	1.8	U
gamma-Chlordane	1.9	U	2.1	U
HEPTACHLOR	1.7	U	1.9	U
HEPTACHLOR EPOXIDE	1.6	U	1.8	U
SILVEX	1.8	U	2	U

Notes:

ug/kg - micrograms per kilogram

DUP - denotes field duplicate of preceding sample

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**Summary of Total Herbicides and Pesticides in Soil
Caemmerer Yard West Investigation**

Table O.2-44

Location ID	E-21		E-21	
Sample ID	E-21-GH-0-2		E-21-GH-2-4	
Depth	0-2		2-4	
Dilution Factor	1.0		1.0	
Sample Date	9/16/2004		9/16/2004	
Unit	ug/Kg		ug/Kg	
1,1,1-TRICHLORO-2,2-BIS (P-METHOXYPHENYL)-ETHANE	1.4	U	1.4	U
2,4,5-T (2,4,5-TRICHLOROPHOXYACETIC ACID)	1.4	U	1.5	U
2,4-D	5.1	U	5.3	U
2,4-DB	3	U	3.1	U
4,4'- DDD	1.1	U	1.2	U
4,4'-DDE	1.4	U	1.5	U
4,4'-DDT	2.1	U	2.1	U
ALDRIN	1.2	U	1.2	U
ALPHA- BHC	1.2	U	1.3	U
alpha-Chlordane	1.6	U	1.7	U
BETA - BHC	1.3	U	1.3	U
CAMPHECHLOR	3.3	U	3.4	U
DELTA - BHC	0.99	U	1	U
DICAMBA	1.4	U	1.5	U
DICHLORPROP	3.2	U	3.3	U
DIELDRIN	1.1	U	1.2	U
DINITROBUTYL PHENOL	1.2	U	1.2	U
ENDOSULFAN I	1.6	U	1.7	U
Endosulfan II	1.5	U	1.5	U
ENDOSULFAN SULFATE	1.7	U	1.7	U
ENDRIN	2	U	2.1	U
ENDRIN ALDEHYDE	1.7	U	1.8	U
ENDRIN KETONE	1.5	U	1.5	U
GAMMA - BHC (LINDANE)	1.4	U	1.4	U
gamma-Chlordane	1.7	U	1.7	U
HEPTACHLOR	1.5	U	1.5	U
HEPTACHLOR EPOXIDE	1.4	U	1.5	U
SILVEX	1.5	U	1.6	U

Notes:

ug/kg - micrograms per kilogram

DUP - denotes field duplicate of preceding sample

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

J - Indicates an estimated value

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**Summary of Total Herbicides and Pesticides in Soil
Caemmerer Yard West Investigation**

Table O.2-44

Location ID	E-21		E-21	
Sample ID	E-21-GH-6-8		E-21-GH-20-22	
Depth	6-8		20-22	
Dilution Factor	1.0		1.0	
Sample Date	9/16/2004		9/16/2004	
Unit	ug/Kg		ug/Kg	
1,1,1-TRICHLORO-2,2-BIS (P-METHOXYPHENYL)-ETHANE	1.5	U	1.5	U
2,4,5-T (2,4,5-TRICHLOROPHENOXYACETIC ACID)	1.5	U	1.5	U
2,4-D	5.4	U	5.5	U
2,4-DB	3.2	U	3.3	U
4,4'- DDD	1.2	U	1.2	U
4,4'-DDE	1.5	U	1.5	U
4,4'-DDT	2.2	U	2.2	U
ALDRIN	1.2	U	1.3	U
ALPHA- BHC	1.3	U	1.3	U
alpha-Chlordane	1.7	U	1.8	U
BETA - BHC	1.3	U	1.4	U
CAMPHECHLOR	3.5	U	3.6	U
DELTA - BHC	1	U	1.1	U
DICAMBA	1.5	U	1.6	U
DICHLORPROP	3.4	U	3.5	U
DIELDRIN	1.2	U	1.2	U
DINITROBUTYL PHENOL	1.3	U	1.3	U
ENDOSULFAN I	1.7	U	1.8	U
Endosulfan II	1.6	U	1.6	U
ENDOSULFAN SULFATE	1.7	U	1.8	U
ENDRIN	2.1	U	2.2	U
ENDRIN ALDEHYDE	1.8	U	1.8	U
ENDRIN KETONE	1.5	U	1.6	U
GAMMA - BHC (LINDANE)	1.4	U	1.5	U
gamma-Chlordane	1.7	U	1.8	U
HEPTACHLOR	1.5	U	1.6	U
HEPTACHLOR EPOXIDE	1.5	U	1.5	U
SILVEX	1.6	U	1.7	U

Notes:

ug/kg - micrograms per kilogram

DUP - denotes field duplicate of preceding sample

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

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is >25% difference for detected concentrations between two GC columns
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**Summary of Total Herbicides and Pesticides in Soil
Caemmerer Yard West Investigation**

Table O.2-44

Location ID	E-31		E-31	
Sample ID	E-31-GH-4-6		E-31-GH-16-18	
Depth	4-6		16-18	
Dilution Factor	1.0		1.0	
Sample Date	9/16/2004		9/16/2004	
Unit	ug/Kg		ug/Kg	
1,1,1-TRICHLORO-2,2-BIS (P-METHOXYPHENYL)-ETHANE	1.4	U	2.1	U
2,4,5-T (2,4,5-TRICHLOROPHENOXYACETIC ACID)	1.4	U	2.2	U
2,4-D	5	U	7.8	U
2,4-DB	3	U	4.6	U
4,4'- DDD	1.1	U	1.7	U
4,4'-DDE	1.4	U	2.1	U
4,4'-DDT	2	U	3.1	U
ALDRIN	1.1	U	1.8	U
ALPHA- BHC	1.2	U	1.9	U
alpha-Chlordane	1.6	U	2.5	U
BETA - BHC	1.2	U	1.9	U
CAMPHECHLOR	3.3	U	5	U
DELTA - BHC	0.96	U	1.5	U
DICAMBA	1.4	U	2.2	U
DICHLORPROP	3.1	U	4.9	U
DIELDRIN	1.1	U	1.7	U
DINITROBUTYL PHENOL	1.2	U	1.8	U
ENDOSULFAN I	1.6	U	2.5	U
Endosulfan II	1.4	U	2.2	U
ENDOSULFAN SULFATE	1.6	U	2.5	U
ENDRIN	2	U	3.1	U
ENDRIN ALDEHYDE	1.7	U	2.6	U
ENDRIN KETONE	1.4	U	2.2	U
GAMMA - BHC (LINDANE)	1.3	U	2	U
gamma-Chlordane	1.6	U	2.5	U
HEPTACHLOR	1.4	U	2.2	U
HEPTACHLOR EPOXIDE	1.4	U	2.1	U
SILVEX	1.5	U	2.3	U

Notes:

ug/kg - micrograms per kilogram

DUP - denotes field duplicate of preceding sample

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

J - Indicates an estimated value

P - This flag is used for Pesticide target analyte when there
is >25% difference for detected concentrations between two GC columns

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**Summary of Total Herbicides and Pesticides in Soil
Caemmerer Yard West Investigation**

Table O.2-44

Location ID	SB-E-03		SB-E-03	
Sample ID	SB-E-03-GH-2-4		SB-E-03-GH-14-16	
Depth	2-4		14-16	
Dilution Factor	1.0		1.0	
Sample Date	9/22/2004		9/22/2004	
Unit	ug/Kg		ug/Kg	
1,1,1-TRICHLORO-2,2-BIS (P-METHOXYPHENYL)-ETHANE	1.3	U	1.7	U
2,4,5-T (2,4,5-TRICHLOROPHENOXYACETIC ACID)	1.3	U	1.7	U
2,4-D	6.8	P	6	U
2,4-DB	2.8	U	3.6	U
4,4'- DDD	1.1	U	1.4	U
4,4'-DDE	1.3	U	1.7	U
4,4'-DDT	1.9	U	2.4	U
ALDRIN	1.1	U	1.4	U
ALPHA- BHC	1.2	U	1.5	U
alpha-Chlordane	1.5	U	2	U
BETA - BHC	1.2	U	1.5	U
CAMPHECHLOR	3.1	U	4	U
DELTA - BHC	0.92	U	1.2	U
DICAMBA	1.3	U	1.7	U
DICHLORPROP	3	U	3.8	U
DIELDRIN	1.1	U	1.3	U
DINITROBUTYL PHENOL	1.1	U	1.4	U
ENDOSULFAN I	1.5	U	1.9	U
Endosulfan II	1.4	U	1.8	U
ENDOSULFAN SULFATE	1.5	U	2	U
ENDRIN	1.9	U	2.4	U
ENDRIN ALDEHYDE	1.6	U	2	U
ENDRIN KETONE	1.4	U	1.7	U
GAMMA - BHC (LINDANE)	1.3	U	1.6	U
gamma-Chlordane	1.5	U	2	U
HEPTACHLOR	1.4	U	1.7	U
HEPTACHLOR EPOXIDE	1.3	U	1.7	U
SILVEX	1.4	U	1.8	U

Notes:

ug/kg - micrograms per kilogram

DUP - denotes field duplicate of preceding sample

U - Indicates the compound was analyzed for
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J - Indicates an estimated value

P - This flag is used for Pesticide target analyte when there
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**Summary of Total Herbicides and Pesticides in Soil
Caemmerer Yard West Investigation**

Table O.2-44

Location ID	SB-H-22		SB-H-22	
Sample ID	SB-H-22-GH-1-2		SB-H-22-GH-6-8	
Depth	1-2		6-8	
Dilution Factor	1.0		1.0	
Sample Date	9/25/2004		9/25/2004	
Unit	ug/Kg		ug/Kg	
1,1,1-TRICHLORO-2,2-BIS (P-METHOXYPHENYL)-ETHANE	1.4	U	1.4	U
2,4,5-T (2,4,5-TRICHLOROPHENOXYACETIC ACID)	1.5	U	1.4	U
2,4-D	5.2	U	5.1	U
2,4-DB	3.1	U	3	U
4,4'- DDD	1.2	U	1.1	U
4,4'-DDE	1.5	U	1.4	U
4,4'-DDT	2.1	U	2.1	U
ALDRIN	1.2	U	1.2	U
ALPHA- BHC	1.3	U	1.2	U
alpha-Chlordane	1.7	U	1.6	U
BETA - BHC	1.3	U	1.3	U
CAMPHECHLOR	3.4	U	3.3	U
DELTA - BHC	1	U	0.99	U
DICAMBA	1.5	U	1.4	U
DICHLORPROP	3.3	U	3.2	U
DIELDRIN	1.2	U	1.1	U
DINITROBUTYL PHENOL	1.2	U	1.2	U
ENDOSULFAN I	1.7	U	1.6	U
Endosulfan II	1.5	U	1.5	U
ENDOSULFAN SULFATE	1.7	U	1.6	U
ENDRIN	2.1	U	2	U
ENDRIN ALDEHYDE	1.7	U	1.7	U
ENDRIN KETONE	1.5	U	1.4	U
GAMMA - BHC (LINDANE)	1.4	U	1.4	U
gamma-Chlordane	1.7	U	1.7	U
HEPTACHLOR	1.5	U	1.5	U
HEPTACHLOR EPOXIDE	1.5	U	1.4	U
SILVEX	1.6	U	1.5	U

Notes:

ug/kg - micrograms per kilogram

DUP - denotes field duplicate of preceding sample

U - Indicates the compound was analyzed for
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**Summary of Total Herbicides and Pesticides in Soil
Caemmerer Yard West Investigation**

Table O.2-44

Location ID Sample ID Depth Dilution Factor Sample Date Unit	SB-H-22 SB-H-22-GH-11-15		SB-H-22 SB-H-22-GH-15-16	
	11-15		15-16	
	1.0		1.0	
	9/25/2004		9/25/2004	
	ug/Kg		ug/Kg	
1,1,1-TRICHLORO-2,2-BIS (P-METHOXYPHENYL)-ETHANE	1.7	U	1.5	U
2,4,5-T (2,4,5-TRICHLOROPHENOXYACETIC ACID)	1.7	U	1.5	U
2,4-D	6.1	U	5.5	U
2,4-DB	3.6	U	3.3	U
4,4'- DDD	1.3	U	1.2	U
4,4'-DDE	1.7	U	1.5	U
4,4'-DDT	2.4	U	2.2	U
ALDRIN	1.4	U	1.3	U
ALPHA- BHC	1.5	U	1.3	U
alpha-Chlordane	1.9	U	1.8	U
BETA - BHC	1.5	U	1.4	U
CAMPHECHLOR	3.9	U	3.6	U
DELTA - BHC	1.2	U	1.1	U
DICAMBA	1.7	U	1.6	U
DICHLORPROP	3.8	U	3.5	U
DIELDRIN	1.3	U	1.2	U
DINITROBUTYL PHENOL	1.4	U	1.3	U
ENDOSULFAN I	1.9	U	1.8	U
Endosulfan II	1.7	U	1.6	U
ENDOSULFAN SULFATE	1.9	U	1.8	U
ENDRIN	2.4	U	2.2	U
ENDRIN ALDEHYDE	2	U	1.8	U
ENDRIN KETONE	1.7	U	1.6	U
GAMMA - BHC (LINDANE)	1.6	U	1.5	U
gamma-Chlordane	2	U	1.8	U
HEPTACHLOR	1.7	U	1.6	U
HEPTACHLOR EPOXIDE	1.7	U	1.5	U
SILVEX	1.8	U	1.7	U

Notes:

ug/kg - micrograms per kilogram

DUP - denotes field duplicate of preceding sample

U - Indicates the compound was analyzed for
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J - Indicates an estimated value

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**Summary of Total Herbicides and Pesticides in Soil
Caemmerer Yard West Investigation**

Table O.2-44

Location ID	SB-H-22		SB-H-22	
Sample ID	SB-H-22-GH-19-23		SB-H-22-GH-23-25	
Depth	19-23		23-25	
Dilution Factor	1.0		1.0	
Sample Date	9/25/2004		9/25/2004	
Unit	ug/Kg		ug/Kg	
1,1,1-TRICHLORO-2,2-BIS (P-METHOXYPHENYL)-ETHANE	1.5	U	1.8	U
2,4,5-T (2,4,5-TRICHLOROPHENOXYACETIC ACID)	1.5	U	1.9	U
2,4-D	5.5	U	6.6	U
2,4-DB	3.3	U	3.9	U
4,4'- DDD	1.2	U	1.5	U
4,4'-DDE	1.6	U	1.8	U
4,4'-DDT	2.2	U	2.6	U
ALDRIN	1.3	U	1.5	U
ALPHA- BHC	1.4	U	1.6	U
alpha-Chlordane	1.8	U	2.1	U
BETA - BHC	1.4	U	1.6	U
CAMPHECHLOR	3.6	U	4.3	U
DELTA - BHC	1.1	U	1.3	U
DICAMBA	1.6	U	1.9	U
DICHLORPROP	3.5	U	4.2	U
DIELDRIN	1.2	U	1.4	U
DINITROBUTYL PHENOL	1.3	U	1.6	U
ENDOSULFAN I	1.8	U	2.1	U
Endosulfan II	1.6	U	1.9	U
ENDOSULFAN SULFATE	1.8	U	2.1	U
ENDRIN	2.2	U	2.6	U
ENDRIN ALDEHYDE	1.9	U	2.2	U
ENDRIN KETONE	1.6	U	1.9	U
GAMMA - BHC (LINDANE)	1.5	U	1.7	U
gamma-Chlordane	1.8	U	2.1	U
HEPTACHLOR	1.6	U	1.9	U
HEPTACHLOR EPOXIDE	1.5	U	1.8	U
SILVEX	1.7	U	2	U

Notes:

ug/kg - micrograms per kilogram

DUP - denotes field duplicate of preceding sample

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

J - Indicates an estimated value

P - This flag is used for Pesticide target analyte when there
is >25% difference for detected concentrations between two GC columns
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**Summary of Total Herbicides and Pesticides in Soil
Caemmerer Yard West Investigation**

Table O.2-44

Location ID	E-52		E-63	
Sample ID	E-52-LIRR-5-6		E-63-LIRR-0-2	
Depth	5-6		0-2	
Dilution Factor	1.0		1.0	
Sample Date	9/24/2004		9/4/2004	
Unit	ug/Kg		ug/Kg	
1,1,1-TRICHLORO-2,2-BIS (P-METHOXYPHENYL)-ETHANE	1.4	U	1.4	U
2,4,5-T (2,4,5-TRICHLOROPHENOXYACETIC ACID)	1.4	U	1.4	U
2,4-D	5.1	U	5.2	U
2,4-DB	3.1	U	3.1	U
4,4'- DDD	1.1	U	1.1	U
4,4'-DDE	1.4	U	1.4	U
4,4'-DDT	2	U	2.1	U
ALDRIN	1.2	U	1.2	U
ALPHA- BHC	1.2	U	1.3	U
alpha-Chlordane	1.6	U	1.7	U
BETA - BHC	1.3	U	1.3	U
CAMPHECHLOR	3.3	U	3.4	U
DELTA - BHC	0.98	U	1	U
DICAMBA	1.4	U	1.5	U
DICHLORPROP	3.2	U	3.3	U
DIELDRIN	1.1	U	1.1	U
DINITROBUTYL PHENOL	1.2	U	1.2	U
ENDOSULFAN I	1.6	U	1.6	U
Endosulfan II	1.5	U	1.5	U
ENDOSULFAN SULFATE	1.6	U	1.7	U
ENDRIN	2	U	2.1	U
ENDRIN ALDEHYDE	1.7	U	1.7	U
ENDRIN KETONE	1.4	U	1.5	U
GAMMA - BHC (LINDANE)	1.3	U	1.4	U
gamma-Chlordane	1.6	U	1.7	U
HEPTACHLOR	1.5	U	1.5	U
HEPTACHLOR EPOXIDE	1.4	U	1.4	U
SILVEX	1.5	U	1.6	U

Notes:

ug/kg - micrograms per kilogram

DUP - denotes field duplicate of preceding sample

U - Indicates the compound was analyzed for
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**Summary of Total Herbicides and Pesticides in Soil
Caemmerer Yard West Investigation**

Table O.2-44

Location ID	E-63		E-63	
Sample ID	E-63-LIRR-2-4		E-63-LIRR-14-16	
Depth	2-4		14-16	
Dilution Factor	1.0		1.0	
Sample Date	9/5/2004		9/8/2004	
Unit	ug/Kg		ug/Kg	
1,1,1-TRICHLORO-2,2-BIS (P-METHOXYPHENYL)-ETHANE	1.4	U	1.5	U
2,4,5-T (2,4,5-TRICHLOROPHENOXYACETIC ACID)	1.5	U	1.5	U
2,4-D	12	P	16	P
2,4-DB	3.1	U	3.3	U
4,4'- DDD	1.1	U	1.2	U
4,4'-DDE	1.4	U	1.5	U
4,4'-DDT	2.1	U	2.2	U
ALDRIN	1.2	U	1.3	U
ALPHA- BHC	1.2	U	1.3	U
alpha-Chlordane	1.7	U	1.8	U
BETA - BHC	1.3	U	1.4	U
CAMPHECHLOR	3.4	U	3.6	U
DELTA - BHC	0.99	U	1.1	U
DICAMBA	1.5	U	1.6	U
DICHLORPROP	3.3	U	3.5	U
DIELDRIN	1.1	U	1.2	U
DINITROBUTYL PHENOL	1.2	U	1.3	U
ENDOSULFAN I	1.6	U	1.8	U
Endosulfan II	1.5	U	1.6	U
ENDOSULFAN SULFATE	1.7	U	1.8	U
ENDRIN	2	U	2.2	U
ENDRIN ALDEHYDE	1.7	U	1.8	U
ENDRIN KETONE	1.5	U	1.6	U
GAMMA - BHC (LINDANE)	1.4	U	1.5	U
gamma-Chlordane	1.7	U	1.8	U
HEPTACHLOR	1.5	U	1.6	U
HEPTACHLOR EPOXIDE	1.4	U	1.5	U
SILVEX	1.6	U	1.7	U

Notes:

ug/kg - micrograms per kilogram

DUP - denotes field duplicate of preceding sample

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

J - Indicates an estimated value

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**Summary of Total Herbicides and Pesticides in Soil
Caemmerer Yard West Investigation**

Table O.2-44

Location ID	E-63		E-63	
Sample ID	E-63-LIRR-18-20		E-63-LIRR-20-22	
Depth	18-20		20-22	
Dilution Factor	1.0		1.0	
Sample Date	9/8/2004		9/8/2004	
Unit	ug/Kg		ug/Kg	
1,1,1-TRICHLORO-2,2-BIS (P-METHOXYPHENYL)-ETHANE	1.5	U	1.5	U
2,4,5-T (2,4,5-TRICHLOROPHENOXYACETIC ACID)	1.5	U	1.6	U
2,4-D	35	P	28	
2,4-DB	3.3	U	3.3	U
4,4'- DDD	1.2	U	1.2	U
4,4'-DDE	1.5	U	1.5	U
4,4'-DDT	2.2	U	2.2	U
ALDRIN	1.3	U	1.3	U
ALPHA- BHC	1.3	U	1.3	U
alpha-Chlordane	1.8	U	1.8	U
BETA - BHC	1.4	U	1.4	U
CAMPHECHLOR	3.6	U	3.6	U
DELTA - BHC	1.1	U	1.1	U
DICAMBA	1.6	U	1.6	U
DICHLORPROP	3.5	U	3.5	U
DIELDRIN	1.2	U	1.2	U
DINITROBUTYL PHENOL	1.3	U	1.3	U
ENDOSULFAN I	1.7	U	1.8	U
Endosulfan II	1.6	U	1.6	U
ENDOSULFAN SULFATE	1.8	U	1.8	U
ENDRIN	2.2	U	2.2	U
ENDRIN ALDEHYDE	1.8	U	1.8	U
ENDRIN KETONE	1.6	U	1.6	U
GAMMA - BHC (LINDANE)	1.4	U	1.5	U
gamma-Chlordane	1.8	U	1.8	U
HEPTACHLOR	1.6	U	1.6	U
HEPTACHLOR EPOXIDE	1.5	U	1.5	U
SILVEX	1.7	U	1.7	U

Notes:

ug/kg - micrograms per kilogram

DUP - denotes field duplicate of preceding sample

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

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P - This flag is used for Pesticide target analyte when there
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**Summary of Total Herbicides and Pesticides in Soil
Caemmerer Yard West Investigation**

Table O.2-44

Location ID	E-64		E-64	
Sample ID	E-64-LIRR-1-2		E-64-LIRR-4-6	
Depth	1-2		4-6	
Dilution Factor	1.0		1.0	
Sample Date	9/8/2004		9/8/2004	
Unit	ug/Kg		ug/Kg	
1,1,1-TRICHLORO-2,2-BIS (P-METHOXYPHENYL)-ETHANE	1.4	U	1.4	U
2,4,5-T (2,4,5-TRICHLOROPHENOXYACETIC ACID)	1.5	U	1.4	U
2,4-D	5.2	U	5.1	U
2,4-DB	3.1	U	3	U
4,4'- DDD	1.2	U	1.1	U
4,4'-DDE	1.5	U	1.4	U
4,4'-DDT	2.1	U	2.1	U
ALDRIN	1.2	U	1.2	U
ALPHA- BHC	1.3	U	1.2	U
alpha-Chlordane	1.7	U	1.6	U
BETA - BHC	1.3	U	1.3	U
CAMPHECHLOR	3.4	U	3.3	U
DELTA - BHC	1	U	0.99	U
DICAMBA	1.5	U	1.4	U
DICHLORPROP	3.3	U	3.2	U
DIELDRIN	1.1	U	1.1	U
DINITROBUTYL PHENOL	1.2	U	1.2	U
ENDOSULFAN I	1.7	U	1.6	U
Endosulfan II	1.5	U	1.5	U
ENDOSULFAN SULFATE	1.7	U	1.6	U
ENDRIN	2.1	U	2	U
ENDRIN ALDEHYDE	1.7	U	1.7	U
ENDRIN KETONE	1.5	U	1.4	U
GAMMA - BHC (LINDANE)	1.4	U	1.3	U
gamma-Chlordane	1.7	U	1.7	U
HEPTACHLOR	1.5	U	1.5	U
HEPTACHLOR EPOXIDE	1.4	U	1.4	U
SILVEX	1.6	U	1.5	U

Notes:

ug/kg - micrograms per kilogram

DUP - denotes field duplicate of preceding sample

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

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**Summary of Total Herbicides and Pesticides in Soil
Caemmerer Yard West Investigation**

Table O.2-44

Location ID	E-64		E-64	
Sample ID	E-64-LIRR-4-6-A		E-64-LIRR-10-12-A	
Depth	4-6		10-12	
Dilution Factor	1.0		1.0	
Sample Date	9/18/2004		9/18/2004	
Unit	ug/Kg		ug/Kg	
1,1,1-TRICHLORO-2,2-BIS (P-METHOXYPHENYL)-ETHANE	1.5	U	1.5	U
2,4,5-T (2,4,5-TRICHLOROPHENOXYACETIC ACID)	1.6	U	1.5	U
2,4-D	5.6	U	5.5	U
2,4-DB	3.3	U	3.3	U
4,4'- DDD	1.2	U	1.2	U
4,4'-DDE	1.5	U	1.5	U
4,4'-DDT	2.2	U	2.2	U
ALDRIN	1.3	U	1.3	U
ALPHA- BHC	1.3	U	1.3	U
alpha-Chlordane	1.8	U	1.8	U
BETA - BHC	1.4	U	1.4	U
CAMPHECHLOR	3.6	U	3.6	U
DELTA - BHC	1.1	U	1.1	U
DICAMBA	1.6	U	1.5	U
DICHLORPROP	3.5	U	3.4	U
DIELDRIN	1.2	U	1.2	U
DINITROBUTYL PHENOL	1.3	U	1.3	U
ENDOSULFAN I	1.8	U	1.8	U
Endosulfan II	1.6	U	1.6	U
ENDOSULFAN SULFATE	1.8	U	1.8	U
ENDRIN	2.2	U	2.2	U
ENDRIN ALDEHYDE	1.8	U	1.8	U
ENDRIN KETONE	1.6	U	1.6	U
GAMMA - BHC (LINDANE)	1.5	U	1.5	U
gamma-Chlordane	1.8	U	1.8	U
HEPTACHLOR	1.6	U	1.6	U
HEPTACHLOR EPOXIDE	1.5	U	1.5	U
SILVEX	1.7	U	1.7	U

Notes:

ug/kg - micrograms per kilogram

DUP - denotes field duplicate of preceding sample

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**Summary of Total Herbicides and Pesticides in Soil
Caemmerer Yard West Investigation**

Table O.2-44

Location ID	SB-E-08		SB-E-08	
Sample ID	SB-E-08-LIRR-6-9		SB-E-08-LIRR-15-17	
Depth	6-9		15-17	
Dilution Factor	1.0		1.0	
Sample Date	9/20/2004		9/20/2004	
Unit	ug/Kg		ug/Kg	
1,1,1-TRICHLORO-2,2-BIS (P-METHOXYPHENYL)-ETHANE	1.4	U	1.6	U
2,4,5-T (2,4,5-TRICHLOROPHENOXYACETIC ACID)	1.5	U	1.6	U
2,4-D	5.3	U	5.7	U
2,4-DB	3.2	U	3.4	U
4,4'- DDD	1.2	U	1.3	U
4,4'-DDE	1.5	U	1.6	U
4,4'-DDT	2.1	U	2.3	U
ALDRIN	1.2	U	1.3	U
ALPHA- BHC	1.3	U	1.4	U
alpha-Chlordane	1.7	U	1.8	U
BETA - BHC	1.3	U	1.4	U
CAMPHECHLOR	3.4	U	3.7	U
DELTA - BHC	1	U	1.1	U
DICAMBA	1.5	U	1.6	U
DICHLORPROP	3.4	U	3.6	U
DIELDRIN	1.2	U	1.3	U
DINITROBUTYL PHENOL	1.3	U	1.3	U
ENDOSULFAN I	1.7	U	1.8	U
Endosulfan II	1.5	U	1.6	U
ENDOSULFAN SULFATE	1.7	U	1.8	U
ENDRIN	2.1	U	2.3	U
ENDRIN ALDEHYDE	1.8	U	1.9	U
ENDRIN KETONE	1.5	U	1.6	U
GAMMA - BHC (LINDANE)	1.4	U	1.5	U
gamma-Chlordane	1.7	U	1.8	U
HEPTACHLOR	1.5	U	1.6	U
HEPTACHLOR EPOXIDE	1.5	U	1.6	U
SILVEX	1.6	U	1.7	U

Notes:

ug/kg - micrograms per kilogram

DUP - denotes field duplicate of preceding sample

U - Indicates the compound was analyzed for
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P - This flag is used for Pesticide target analyte when there
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**Summary of Total Herbicides and Pesticides in Soil
Caemmerer Yard West Investigation**

Table O.2-44

Location ID	SB-E-10		SB-E-10	
Sample ID	SB-E-10-NYDOS-2-4		SB-E-10-NYDOS-12-14	
Depth	2-4		12-14	
Dilution Factor	1.0		1.0	
Sample Date	9/17/2004		9/17/2004	
Unit	ug/Kg		ug/Kg	
1,1,1-TRICHLORO-2,2-BIS (P-METHOXYPHENYL)-ETHANE	1.4	U	1.5	U
2,4,5-T (2,4,5-TRICHLOROPHOXYACETIC ACID)	1.4	U	1.5	U
2,4-D	5.2	U	5.5	U
2,4-DB	3.1	U	3.3	U
4,4'- DDD	1.1	U	1.2	U
4,4'-DDE	1.4	U	1.5	U
4,4'-DDT	2.1	U	2.2	U
ALDRIN	1.2	U	1.3	U
ALPHA- BHC	1.2	U	1.3	U
alpha-Chlordane	1.7	U	1.8	U
BETA - BHC	1.3	U	1.4	U
CAMPHECHLOR	3.3	U	3.6	U
DELTA - BHC	0.99	U	1.1	U
DICAMBA	1.5	U	1.6	U
DICHLORPROP	3.2	U	3.5	U
DIELDRIN	1.1	U	1.2	U
DINITROBUTYL PHENOL	1.2	U	1.3	U
ENDOSULFAN I	1.6	U	1.8	U
Endosulfan II	1.5	U	1.6	U
ENDOSULFAN SULFATE	1.7	U	1.8	U
ENDRIN	2	U	2.2	U
ENDRIN ALDEHYDE	1.7	U	1.8	U
ENDRIN KETONE	1.5	U	1.6	U
GAMMA - BHC (LINDANE)	1.4	U	1.5	U
gamma-Chlordane	1.7	U	1.8	U
HEPTACHLOR	1.5	U	1.6	U
HEPTACHLOR EPOXIDE	1.4	U	1.5	U
SILVEX	1.6	U	1.7	U

Notes:

ug/kg - micrograms per kilogram

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**Summary of Total Herbicides and Pesticides in Soil
Caemmerer Yard West Investigation**

Table O.2-44

Location ID	SB-E-10		SB-U-2	
Sample ID	SB-E-10-NYDOS-20-22		SB-U-2-DOS-2-3	
Depth	20-22		2-3	
Dilution Factor	1.0		1.0	
Sample Date	9/17/2004		9/11/2004	
Unit	ug/Kg		ug/Kg	
1,1,1-TRICHLORO-2,2-BIS (P-METHOXYPHENYL)-ETHANE	1.8	U	1.4	U
2,4,5-T (2,4,5-TRICHLOROPHENOXYACETIC ACID)	1.8	U	1.4	U
2,4-D	6.4	U	5.2	U
2,4-DB	3.8	U	3.1	U
4,4'- DDD	1.4	U	1.1	U
4,4'-DDE	1.8	U	1.4	U
4,4'-DDT	2.6	U	2.1	U
ALDRIN	1.5	U	1.2	U
ALPHA- BHC	1.6	U	1.3	U
alpha-Chlordane	2.1	U	1.7	U
BETA - BHC	1.6	U	1.3	U
CAMPHECHLOR	4.2	U	3.4	U
DELTA - BHC	1.2	U	0.99	U
DICAMBA	1.8	U	1.5	U
DICHLORPROP	4	U	3.3	U
DIELDRIN	1.4	U	1.1	U
DINITROBUTYL PHENOL	1.5	U	1.2	U
ENDOSULFAN I	2.1	U	1.6	U
Endosulfan II	1.9	U	1.5	U
ENDOSULFAN SULFATE	2.1	U	1.7	U
ENDRIN	2.6	U	2.1	U
ENDRIN ALDEHYDE	2.1	U	1.7	U
ENDRIN KETONE	1.8	U	1.5	U
GAMMA - BHC (LINDANE)	1.7	U	1.4	U
gamma-Chlordane	2.1	U	1.7	U
HEPTACHLOR	1.8	U	1.5	U
HEPTACHLOR EPOXIDE	1.8	U	1.4	U
SILVEX	1.9	U	1.6	U

Notes:

ug/kg - micrograms per kilogram

DUP - denotes field duplicate of preceding sample

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

J - Indicates an estimated value

P - This flag is used for Pesticide target analyte when there
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**Summary of Total Herbicides and Pesticides in Soil
Caemmerer Yard West Investigation**

Table O.2-44

Location ID	SB-U-2		SB-U-2	
Sample ID	SB-U-2-DOS-3-5		SB-U-2-DOS-12-15	
Depth	3-5		12-15	
Dilution Factor	1.0		1.0	
Sample Date	9/11/2004		9/11/2004	
Unit	ug/Kg		ug/Kg	
1,1,1-TRICHLORO-2,2-BIS (P-METHOXYPHENYL)-ETHANE	1.5	U	2	U
2,4,5-T (2,4,5-TRICHLOROPHENOXYACETIC ACID)	1.5	U	2.1	U
2,4-D	5.4	U	7.5	U
2,4-DB	3.2	U	4.5	U
4,4'- DDD	1.2	U	1.6	U
4,4'-DDE	1.5	U	2.1	U
4,4'-DDT	2.2	U	3	U
ALDRIN	1.2	U	1.7	U
ALPHA- BHC	1.3	U	1.8	U
alpha-Chlordane	1.7	U	2.4	U
BETA - BHC	1.3	U	1.8	U
CAMPHECHLOR	3.5	U	4.8	U
DELTA - BHC	1	U	1.4	U
DICAMBA	1.5	U	2.1	U
DICHLORPROP	3.4	U	4.7	U
DIELDRIN	1.2	U	1.6	U
DINITROBUTYL PHENOL	1.3	U	1.8	U
ENDOSULFAN I	1.7	U	2.4	U
Endosulfan II	1.6	U	2.1	U
ENDOSULFAN SULFATE	1.7	U	2.4	U
ENDRIN	2.1	U	2.9	U
ENDRIN ALDEHYDE	1.8	U	2.5	U
ENDRIN KETONE	1.5	U	2.1	U
GAMMA - BHC (LINDANE)	1.4	U	2	U
gamma-Chlordane	1.7	U	2.4	U
HEPTACHLOR	1.5	U	2.1	U
HEPTACHLOR EPOXIDE	1.5	U	2	U
SILVEX	1.6	U	2.3	U

Notes:

ug/kg - micrograms per kilogram

DUP - denotes field duplicate of preceding sample

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

J - Indicates an estimated value

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**Summary of Total Herbicides and Pesticides in Soil
Caemmerer Yard West Investigation**

Table O.2-44

Location ID	E-1		E-1	
Sample ID	E-1-DOS-2-4		E-1-DOS-4-6	
Depth	2-4		4-6	
Dilution Factor	1.0		1.0	
Sample Date	9/13/2004		9/13/2004	
Unit	ug/Kg		ug/Kg	
1,1,1-TRICHLORO-2,2-BIS (P-METHOXYPHENYL)-ETHANE	1.4	U	1.5	U
2,4,5-T (2,4,5-TRICHLOROPHOXYACETIC ACID)	1.5	U	1.5	U
2,4-D	5.2	U	5.3	U
2,4-DB	3.1	U	3.2	U
4,4'-DDD	1.2	U	1.2	U
4,4'-DDE	1.5	U	1.5	U
4,4'-DDT	2.1	U	2.1	U
ALDRIN	1.2	U	1.2	U
ALPHA- BHC	1.3	U	1.3	U
alpha-Chlordane	1.7	U	1.7	U
BETA - BHC	1.3	U	1.3	U
CAMPHECHLOR	3.4	U	3.5	U
DELTA - BHC	1	U	1	U
DICAMBA	1.5	U	1.5	U
DICHLORPROP	3.3	U	3.4	U
DIELDRIN	1.1	U	1.2	U
DINITROBUTYL PHENOL	1.2	U	1.3	U
ENDOSULFAN I	1.7	U	1.7	U
Endosulfan II	1.5	U	1.5	U
ENDOSULFAN SULFATE	1.7	U	1.7	U
ENDRIN	2.1	U	2.1	U
ENDRIN ALDEHYDE	1.7	U	1.8	U
ENDRIN KETONE	1.5	U	1.5	U
GAMMA - BHC (LINDANE)	1.4	U	1.4	U
gamma-Chlordane	1.7	U	1.7	U
HEPTACHLOR	1.5	U	1.5	U
HEPTACHLOR EPOXIDE	1.4	U	1.5	U
SILVEX	1.6	U	1.6	U

Notes:

ug/kg - micrograms per kilogram

DUP - denotes field duplicate of preceding sample

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

J - Indicates an estimated value

P - This flag is used for Pesticide target analyte when there
is >25% difference for detected concentrations between two GC columns
The lower of the two values is reported on Form 1 and flagged with a "P"

**Summary of Total Herbicides and Pesticides in Soil
Caemmerer Yard West Investigation**

Table O.2-44

Location ID	E-1		E-1	
Sample ID	E-1-DOS-6-8		E-1-DOS-10-12	
Depth	6-8		10-12	
Dilution Factor	1.0		1.0	
Sample Date	9/13/2004		9/13/2004	
Unit	ug/Kg		ug/Kg	
1,1,1-TRICHLORO-2,2-BIS (P-METHOXYPHENYL)-ETHANE	1.5	U	1.5	U
2,4,5-T (2,4,5-TRICHLOROPHENOXYACETIC ACID)	1.5	U	1.5	U
2,4-D	5.5	U	5.4	U
2,4-DB	3.3	U	3.2	U
4,4'- DDD	1.2	U	1.2	U
4,4'-DDE	1.5	U	1.5	U
4,4'-DDT	2.2	U	2.2	U
ALDRIN	1.3	U	1.2	U
ALPHA- BHC	1.3	U	1.3	U
alpha-Chlordane	1.8	U	1.7	U
BETA - BHC	1.4	U	1.3	U
CAMPHECHLOR	3.6	U	3.5	U
DELTA - BHC	1.1	U	1	U
DICAMBA	1.5	U	1.5	U
DICHLORPROP	3.4	U	3.4	U
DIELDRIN	1.2	U	1.2	U
DINITROBUTYL PHENOL	1.3	U	1.3	U
ENDOSULFAN I	1.8	U	1.7	U
Endosulfan II	1.6	U	1.6	U
ENDOSULFAN SULFATE	1.8	U	1.7	U
ENDRIN	2.2	U	2.2	U
ENDRIN ALDEHYDE	1.8	U	1.8	U
ENDRIN KETONE	1.6	U	1.5	U
GAMMA - BHC (LINDANE)	1.5	U	1.4	U
gamma-Chlordane	1.8	U	1.7	U
HEPTACHLOR	1.6	U	1.5	U
HEPTACHLOR EPOXIDE	1.5	U	1.5	U
SILVEX	1.7	U	1.6	U

Notes:

ug/kg - micrograms per kilogram

DUP - denotes field duplicate of preceding sample

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but was not detected

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**Summary of Total Herbicides and Pesticides in Soil
Caemmerer Yard West Investigation**

Table O.2-44

Location ID	E-1		E-1	
Sample ID	E-1-DOS-18-20		E-1-DOS-34-36	
Depth	18-20		34-36	
Dilution Factor	1.0		1.0	
Sample Date	9/13/2004		9/14/2004	
Unit	ug/Kg		ug/Kg	
1,1,1-TRICHLORO-2,2-BIS (P-METHOXYPHENYL)-ETHANE	1.5	U	1.9	U
2,4,5-T (2,4,5-TRICHLOROPHENOXYACETIC ACID)	1.5	U	2	U
2,4-D	5.4	U	7.1	U
2,4-DB	3.2	U	4.2	U
4,4'- DDD	1.2	U	1.6	U
4,4'-DDE	1.5	U	2	U
4,4'-DDT	2.2	U	2.9	U
ALDRIN	1.2	U	1.6	U
ALPHA- BHC	1.3	U	1.7	U
alpha-Chlordane	1.7	U	2.3	U
BETA - BHC	1.3	U	1.8	U
CAMPHECHLOR	3.5	U	4.6	U
DELTA - BHC	1	U	1.4	U
DICAMBA	1.5	U	2	U
DICHLORPROP	3.4	U	4.5	U
DIELDRIN	1.2	U	1.6	U
DINITROBUTYL PHENOL	1.3	U	1.7	U
ENDOSULFAN I	1.7	U	2.3	U
Endosulfan II	1.6	U	2.1	U
ENDOSULFAN SULFATE	1.7	U	2.3	U
ENDRIN	2.2	U	2.8	U
ENDRIN ALDEHYDE	1.8	U	2.4	U
ENDRIN KETONE	1.5	U	2	U
GAMMA - BHC (LINDANE)	1.4	U	1.9	U
gamma-Chlordane	1.7	U	2.3	U
HEPTACHLOR	1.5	U	2	U
HEPTACHLOR EPOXIDE	1.5	U	2	U
SILVEX	1.6	U	2.2	U

Notes:

ug/kg - micrograms per kilogram

DUP - denotes field duplicate of preceding sample

U - Indicates the compound was analyzed for
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**Summary of Total Herbicides and Pesticides in Soil
Caemmerer Yard West Investigation**

Table O.2-44

Location ID	E-2		E-2	
Sample ID	E-2-DOS-1-2		E-2-DOS-5-7	
Depth	1-2		5-7	
Dilution Factor	1.0		1.0	
Sample Date	9/11/2004		9/11/2004	
Unit	ug/Kg		ug/Kg	
1,1,1-TRICHLORO-2,2-BIS (P-METHOXYPHENYL)-ETHANE	1.4	U	1.4	U
2,4,5-T (2,4,5-TRICHLOROPHENOXYACETIC ACID)	1.4	U	1.5	U
2,4-D	5.1	U	5.2	U
2,4-DB	3	U	3.1	U
4,4'- DDD	1.1	U	1.2	U
4,4'-DDE	1.4	U	1.5	U
4,4'-DDT	2	U	2.1	U
ALDRIN	1.2	U	1.2	U
ALPHA- BHC	1.2	U	1.3	U
alpha-Chlordane	1.6	U	1.7	U
BETA - BHC	1.3	U	1.3	U
CAMPHECHLOR	3.3	U	3.5	U
DELTA - BHC	0.98	U	1	U
DICAMBA	1.4	U	1.5	U
DICHLORPROP	3.2	U	3.3	U
DIELDRIN	1.1	U	1.2	U
DINITROBUTYL PHENOL	1.2	U	1.2	U
ENDOSULFAN I	1.6	U	1.7	U
Endosulfan II	1.5	U	1.5	U
ENDOSULFAN SULFATE	1.6	U	1.7	U
ENDRIN	2	U	2.1	U
ENDRIN ALDEHYDE	1.7	U	1.8	U
ENDRIN KETONE	1.4	U	1.5	U
GAMMA - BHC (LINDANE)	1.3	U	1.4	U
gamma-Chlordane	1.6	U	1.7	U
HEPTACHLOR	1.4	U	1.5	U
HEPTACHLOR EPOXIDE	1.4	U	1.5	U
SILVEX	1.5	U	1.6	U

Notes:

ug/kg - micrograms per kilogram

DUP - denotes field duplicate of preceding sample

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**Summary of Total Herbicides and Pesticides in Soil
Caemmerer Yard West Investigation**

Table O.2-44

Location ID	E-2		E-3	
Sample ID	E-2-DOS-23-27		E-3-NYDOS-4-6	
Depth	23-27		4-6	
Dilution Factor	1.0		1.0	
Sample Date	9/11/2004		9/12/2004	
Unit	ug/Kg		ug/Kg	
1,1,1-TRICHLORO-2,2-BIS (P-METHOXYPHENYL)-ETHANE	1.5	U	1.5	U
2,4,5-T (2,4,5-TRICHLOROPHOXYACETIC ACID)	1.6	U	1.6	U
2,4-D	5.7	U	5.6	U
2,4-DB	3.4	U	3.3	U
4,4'- DDD	1.3	U	1.2	U
4,4'-DDE	1.6	U	1.6	U
4,4'-DDT	2.3	U	2.2	U
ALDRIN	1.3	U	1.3	U
ALPHA- BHC	1.4	U	1.4	U
alpha-Chlordane	1.8	U	1.8	U
BETA - BHC	1.4	U	1.4	U
CAMPHECHLOR	3.7	U	3.6	U
DELTA - BHC	1.1	U	1.1	U
DICAMBA	1.6	U	1.6	U
DICHLORPROP	3.6	U	3.5	U
DIELDRIN	1.2	U	1.2	U
DINITROBUTYL PHENOL	1.3	U	1.3	U
ENDOSULFAN I	1.8	U	1.8	U
Endosulfan II	1.6	U	1.6	U
ENDOSULFAN SULFATE	1.8	U	1.8	U
ENDRIN	2.3	U	2.2	U
ENDRIN ALDEHYDE	1.9	U	1.8	U
ENDRIN KETONE	1.6	U	1.6	U
GAMMA - BHC (LINDANE)	1.5	U	1.5	U
gamma-Chlordane	1.8	U	1.8	U
HEPTACHLOR	1.6	U	1.6	U
HEPTACHLOR EPOXIDE	1.6	U	1.5	U
SILVEX	1.7	U	1.7	U

Notes:

ug/kg - micrograms per kilogram

DUP - denotes field duplicate of preceding sample

U - Indicates the compound was analyzed for
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**Summary of Total Herbicides and Pesticides in Soil
Caemmerer Yard West Investigation**

Table O.2-44

Location ID	E-3		E-3	
Sample ID	E-3-NYDOS-6-8		E-3-NYDOS12-14	
Depth	6-8		12-14	
Dilution Factor	1.0		1.0	
Sample Date	9/12/2004		9/12/2004	
Unit	ug/Kg		ug/Kg	
1,1,1-TRICHLORO-2,2-BIS (P-METHOXYPHENYL)-ETHANE	1.5	U	1.6	U
2,4,5-T (2,4,5-TRICHLOROPHENOXYACETIC ACID)	1.5	U	1.6	U
2,4-D	5.5	U	5.7	U
2,4-DB	3.3	U	3.4	U
4,4'- DDD	1.2	U	1.3	U
4,4'-DDE	1.5	U	1.6	U
4,4'-DDT	2.2	U	2.3	U
ALDRIN	1.3	U	1.3	U
ALPHA- BHC	1.3	U	1.4	U
alpha-Chlordane	1.8	U	1.8	U
BETA - BHC	1.4	U	1.4	U
CAMPHECHLOR	3.6	U	3.7	U
DELTA - BHC	1.1	U	1.1	U
DICAMBA	1.6	U	1.6	U
DICHLORPROP	3.5	U	3.6	U
DIELDRIN	1.2	U	1.3	U
DINITROBUTYL PHENOL	1.3	U	1.4	U
ENDOSULFAN I	1.8	U	1.8	U
Endosulfan II	1.6	U	1.6	U
ENDOSULFAN SULFATE	1.8	U	1.8	U
ENDRIN	2.2	U	2.3	U
ENDRIN ALDEHYDE	1.8	U	1.9	U
ENDRIN KETONE	1.6	U	1.6	U
GAMMA - BHC (LINDANE)	1.5	U	1.5	U
gamma-Chlordane	1.8	U	1.8	U
HEPTACHLOR	1.6	U	1.6	U
HEPTACHLOR EPOXIDE	1.5	U	1.6	U
SILVEX	1.7	U	1.7	U

Notes:

ug/kg - micrograms per kilogram

DUP - denotes field duplicate of preceding sample

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**Summary of Total Herbicides and Pesticides in Soil
Caemmerer Yard West Investigation**

Table O.2-44

Location ID	E-3		E-5	
Sample ID	E-3-NYDOS-26-28		E-5-DOS-4-5	
Depth	26-28		4-5	
Dilution Factor	1.0		1.0	
Sample Date	9/12/2004		9/17/2004	
Unit	ug/Kg		ug/Kg	
1,1,1-TRICHLORO-2,2-BIS (P-METHOXYPHENYL)-ETHANE	2.1	U	1.6	U
2,4,5-T (2,4,5-TRICHLOROPHENOXYACETIC ACID)	2.2	U	1.6	U
2,4-D	7.7	U	5.8	U
2,4-DB	4.6	U	3.4	U
4,4'- DDD	1.7	U	1.3	U
4,4'-DDE	2.1	U	1.6	U
4,4'-DDT	3.1	U	2.3	U
ALDRIN	1.8	U	1.3	U
ALPHA- BHC	1.9	U	1.4	U
alpha-Chlordane	2.5	U	1.9	U
BETA - BHC	1.9	U	1.4	U
CAMPHECHLOR	5	U	3.8	U
DELTA - BHC	1.5	U	1.1	U
DICAMBA	2.2	U	1.6	U
DICHLORPROP	4.8	U	3.6	U
DIELDRIN	1.7	U	1.3	U
DINITROBUTYL PHENOL	1.8	U	1.4	U
ENDOSULFAN I	2.5	U	1.8	U
Endosulfan II	2.2	U	1.7	U
ENDOSULFAN SULFATE	2.5	U	1.9	U
ENDRIN	3.1	U	2.3	U
ENDRIN ALDEHYDE	2.6	U	1.9	U
ENDRIN KETONE	2.2	U	1.6	U
GAMMA - BHC (LINDANE)	2	U	1.5	U
gamma-Chlordane	2.5	U	1.9	U
HEPTACHLOR	2.2	U	1.7	U
HEPTACHLOR EPOXIDE	2.1	U	1.6	U
SILVEX	2.3	U	1.7	U

Notes:

ug/kg - micrograms per kilogram

DUP - denotes field duplicate of preceding sample

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

J - Indicates an estimated value

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**Summary of Total Herbicides and Pesticides in Soil
Caemmerer Yard West Investigation**

Table O.2-44

Location ID	E-5		E-5	
Sample ID	E-5-DOS-7-9		E-5-DOS-12-14	
Depth	7-9		12-14	
Dilution Factor	1.0		1.0	
Sample Date	9/17/2004		9/17/2004	
Unit	ug/Kg		ug/Kg	
1,1,1-TRICHLORO-2,2-BIS (P-METHOXYPHENYL)-ETHANE	1.9	U	1.6	U
2,4,5-T (2,4,5-TRICHLOROPHOXYACETIC ACID)	1.9	U	1.7	U
2,4-D	6.9	U	6.1	U
2,4-DB	4.1	U	3.6	U
4,4'- DDD	1.5	U	1.3	U
4,4'-DDE	1.9	U	1.7	U
4,4'-DDT	2.8	U	2.4	U
ALDRIN	1.6	U	1.4	U
ALPHA- BHC	1.7	U	1.4	U
alpha-Chlordane	2.2	U	1.9	U
BETA - BHC	1.7	U	1.5	U
CAMPHECHLOR	4.5	U	3.9	U
DELTA - BHC	1.3	U	1.1	U
DICAMBA	1.9	U	1.7	U
DICHLORPROP	4.3	U	3.8	U
DIELDRIN	1.5	U	1.3	U
DINITROBUTYL PHENOL	1.6	U	1.4	U
ENDOSULFAN I	2.2	U	1.9	U
Endosulfan II	2	U	1.7	U
ENDOSULFAN SULFATE	2.2	U	1.9	U
ENDRIN	2.7	U	2.4	U
ENDRIN ALDEHYDE	2.3	U	2	U
ENDRIN KETONE	1.9	U	1.7	U
GAMMA - BHC (LINDANE)	1.8	U	1.6	U
gamma-Chlordane	2.2	U	1.9	U
HEPTACHLOR	2	U	1.7	U
HEPTACHLOR EPOXIDE	1.9	U	1.6	U
SILVEX	2.1	U	1.8	U

Notes:

ug/kg - micrograms per kilogram

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

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**Summary of Total Herbicides and Pesticides in Soil
Caemmerer Yard West Investigation**

Table O.2-44

Location ID	E-5		E-6	
Sample ID	E-5-DOS-16-18		E-6-NYDOS-2-3	
Depth	16-18		2-3	
Dilution Factor	1.0		1.0	
Sample Date	9/17/2004		9/17/2004	
Unit	ug/Kg		ug/Kg	
1,1,1-TRICHLORO-2,2-BIS (P-METHOXYPHENYL)-ETHANE	1.6	U	1.5	U
2,4,5-T (2,4,5-TRICHLOROPHOXYACETIC ACID)	1.6	U	1.5	U
2,4-D	5.9	U	5.3	U
2,4-DB	3.5	U	3.2	U
4,4'- DDD	1.3	U	1.2	U
4,4'-DDE	1.6	U	1.5	U
4,4'-DDT	2.3	U	2.2	U
ALDRIN	1.3	U	1.2	U
ALPHA- BHC	1.4	U	1.3	U
alpha-Chlordane	1.9	U	1.7	U
BETA - BHC	1.4	U	1.3	U
CAMPHECHLOR	3.8	U	3.5	U
DELTA - BHC	1.1	U	1	U
DICAMBA	1.7	U	1.5	U
DICHLORPROP	3.7	U	3.4	U
DIELDRIN	1.3	U	1.2	U
DINITROBUTYL PHENOL	1.4	U	1.3	U
ENDOSULFAN I	1.9	U	1.7	U
Endosulfan II	1.7	U	1.6	U
ENDOSULFAN SULFATE	1.9	U	1.7	U
ENDRIN	2.3	U	2.1	U
ENDRIN ALDEHYDE	1.9	U	1.8	U
ENDRIN KETONE	1.6	U	1.5	U
GAMMA - BHC (LINDANE)	1.5	U	1.4	U
gamma-Chlordane	1.9	U	1.7	U
HEPTACHLOR	1.7	U	1.5	U
HEPTACHLOR EPOXIDE	1.6	U	1.5	U
SILVEX	1.8	U	1.6	U

Notes:

ug/kg - micrograms per kilogram

DUP - denotes field duplicate of preceding sample

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

J - Indicates an estimated value

P - This flag is used for Pesticide target analyte when there
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**Summary of Total Herbicides and Pesticides in Soil
Caemmerer Yard West Investigation**

Table O.2-44

Location ID	E-6		E-6	
Sample ID	E-6-NYDOS-4-6		E-6-NYDOS-6-7	
Depth	4-6		6-7	
Dilution Factor	1.0		1.0	
Sample Date	9/15/2004		9/17/2004	
Unit	ug/Kg		ug/Kg	
1,1,1-TRICHLORO-2,2-BIS (P-METHOXYPHENYL)-ETHANE	1.4	U	1.6	U
2,4,5-T (2,4,5-TRICHLOROPHENOXYACETIC ACID)	1.5	U	1.6	U
2,4-D	5.2	U	5.9	U
2,4-DB	3.1	U	3.5	U
4,4'- DDD	1.2	U	1.3	U
4,4'-DDE	1.4	U	1.6	U
4,4'-DDT	2.1	U	2.4	U
ALDRIN	1.2	U	1.4	U
ALPHA- BHC	1.3	U	1.4	U
alpha-Chlordane	1.7	U	1.9	U
BETA - BHC	1.3	U	1.5	U
CAMPHECHLOR	3.4	U	3.9	U
DELTA - BHC	1	U	1.1	U
DICAMBA	1.5	U	1.7	U
DICHLORPROP	3.3	U	3.7	U
DIELDRIN	1.1	U	1.3	U
DINITROBUTYL PHENOL	1.2	U	1.4	U
ENDOSULFAN I	1.7	U	1.9	U
Endosulfan II	1.5	U	1.7	U
ENDOSULFAN SULFATE	1.7	U	1.9	U
ENDRIN	2.1	U	2.4	U
ENDRIN ALDEHYDE	1.7	U	2	U
ENDRIN KETONE	1.5	U	1.7	U
GAMMA - BHC (LINDANE)	1.4	U	1.6	U
gamma-Chlordane	1.7	U	1.9	U
HEPTACHLOR	1.5	U	1.7	U
HEPTACHLOR EPOXIDE	1.4	U	1.6	U
SILVEX	1.6	U	1.8	U

Notes:

ug/kg - micrograms per kilogram

DUP - denotes field duplicate of preceding sample

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

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**Summary of Total Herbicides and Pesticides in Soil
Caemmerer Yard West Investigation**

Table O.2-44

Location ID	E-6		E-8	
Sample ID	E-6-NYDOS-17-19		E-8-NYDOS-4-5	
Depth	17-19		4-5	
Dilution Factor	1.0		1.0	
Sample Date	9/17/2004		9/13/2004	
Unit	ug/Kg		ug/Kg	
1,1,1-TRICHLORO-2,2-BIS (P-METHOXYPHENYL)-ETHANE	1.5	U	1.5	U
2,4,5-T (2,4,5-TRICHLOROPHENOXYACETIC ACID)	1.5	U	1.5	U
2,4-D	5.4	U	12	P
2,4-DB	3.2	U	3.3	U
4,4'- DDD	1.2	U	1.2	U
4,4'-DDE	1.5	U	1.5	U
4,4'-DDT	2.2	U	2.2	U
ALDRIN	1.2	U	1.3	U
ALPHA- BHC	1.3	U	1.3	U
alpha-Chlordane	1.7	U	1.8	U
BETA - BHC	1.3	U	1.4	U
CAMPHECHLOR	3.5	U	3.6	U
DELTA - BHC	1	U	1.1	U
DICAMBA	1.5	U	1.5	U
DICHLORPROP	3.4	U	3.4	U
DIELDRIN	1.2	U	1.2	U
DINITROBUTYL PHENOL	1.3	U	1.3	U
ENDOSULFAN I	1.7	U	1.7	U
Endosulfan II	1.6	U	1.6	U
ENDOSULFAN SULFATE	1.7	U	1.8	U
ENDRIN	2.2	U	2.2	U
ENDRIN ALDEHYDE	1.8	U	1.8	U
ENDRIN KETONE	1.5	U	1.6	U
GAMMA - BHC (LINDANE)	1.4	U	1.4	U
gamma-Chlordane	1.8	U	1.8	U
HEPTACHLOR	1.6	U	1.6	U
HEPTACHLOR EPOXIDE	1.5	U	1.5	U
SILVEX	1.6	U	1.7	U

Notes:

ug/kg - micrograms per kilogram

DUP - denotes field duplicate of preceding sample

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

J - Indicates an estimated value

P - This flag is used for Pesticide target analyte when there
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**Summary of Total Herbicides and Pesticides in Soil
Caemmerer Yard West Investigation**

Table O.2-44

Location ID Sample ID Depth Dilution Factor Sample Date Unit	E-8 E-8-NYDOS-6-8 6-8 1.0 9/13/2004 ug/Kg		E-8 E-8-NYDOS-14-16 14-16 1.0 9/13/2004 ug/Kg	
	1,1,1-TRICHLORO-2,2-BIS (P-METHOXYPHENYL)-ETHANE	1.4	U	1.6
2,4,5-T (2,4,5-TRICHLOROPHENOXYACETIC ACID)	1.4	U	1.6	U
2,4-D	9.3	P	5.7	U
2,4-DB	3.1	U	3.4	U
4,4'- DDD	1.1	U	1.3	U
4,4'-DDE	1.4	U	1.6	U
4,4'-DDT	2.1	U	2.3	U
ALDRIN	1.2	U	1.3	U
ALPHA- BHC	1.2	U	1.4	U
alpha-Chlordane	1.6	U	1.8	U
BETA - BHC	1.3	U	1.4	U
CAMPHECHLOR	3.3	U	3.7	U
DELTA - BHC	0.99	U	1.1	U
DICAMBA	1.4	U	1.6	U
DICHLORPROP	3.2	U	3.6	U
DIELDRIN	1.1	U	1.3	U
DINITROBUTYL PHENOL	1.2	U	1.3	U
ENDOSULFAN I	1.6	U	1.8	U
Endosulfan II	1.5	U	1.7	U
ENDOSULFAN SULFATE	1.7	U	1.8	U
ENDRIN	2	U	2.3	U
ENDRIN ALDEHYDE	1.7	U	1.9	U
ENDRIN KETONE	1.5	U	1.6	U
GAMMA - BHC (LINDANE)	1.4	U	1.5	U
gamma-Chlordane	1.7	U	1.9	U
HEPTACHLOR	1.5	U	1.6	U
HEPTACHLOR EPOXIDE	1.4	U	1.6	U
SILVEX	1.6	U	1.7	U

Notes:

ug/kg - micrograms per kilogram

DUP - denotes field duplicate of preceding sample

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**Summary of Total Herbicides and Pesticides in Soil
Caemmerer Yard West Investigation**

Table O.2-44

Location ID	E-8		E-16	
Sample ID	E-8-NYDOS-28-30		E-16-NYDOS-0-2	
Depth	28-30		0-2	
Dilution Factor	1.0		1.0	
Sample Date	9/13/2004		9/12/2004	
Unit	ug/Kg		ug/Kg	
1,1,1-TRICHLORO-2,2-BIS (P-METHOXYPHENYL)-ETHANE	1.9	U	1.5	U
2,4,5-T (2,4,5-TRICHLOROPHENOXYACETIC ACID)	1.9	U	1.5	U
2,4-D	6.8	U	5.5	U
2,4-DB	4	U	3.3	U
4,4'- DDD	1.5	U	1.2	U
4,4'-DDE	1.9	U	1.5	U
4,4'-DDT	2.8	U	2.2	U
ALDRIN	1.6	U	1.3	U
ALPHA- BHC	1.7	U	1.3	U
alpha-Chlordane	2.2	U	1.8	U
BETA - BHC	1.7	U	1.4	U
CAMPHECHLOR	4.5	U	3.6	U
DELTA - BHC	1.3	U	1.1	U
DICAMBA	1.9	U	1.6	U
DICHLORPROP	4.2	U	3.5	U
DIELDRIN	1.5	U	1.2	U
DINITROBUTYL PHENOL	1.6	U	1.3	U
ENDOSULFAN I	2.2	U	1.8	U
Endosulfan II	2	U	1.6	U
ENDOSULFAN SULFATE	2.2	U	1.8	U
ENDRIN	2.7	U	2.2	U
ENDRIN ALDEHYDE	2.3	U	1.8	U
ENDRIN KETONE	1.9	U	1.6	U
GAMMA - BHC (LINDANE)	1.8	U	1.5	U
gamma-Chlordane	2.2	U	1.8	U
HEPTACHLOR	2	U	1.6	U
HEPTACHLOR EPOXIDE	1.9	U	1.5	U
SILVEX	2	U	1.7	U

Notes:

ug/kg - micrograms per kilogram

DUP - denotes field duplicate of preceding sample

U - Indicates the compound was analyzed for
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**Summary of Total Herbicides and Pesticides in Soil
Caemmerer Yard West Investigation**

Table O.2-44

Location ID	E-16		E-16	
Sample ID	E-16-NYDOS-2-3		E-16-NYDOS-6.5-7.5	
Depth	2-3		6.5-7.5	
Dilution Factor	1.0		1.0	
Sample Date	9/12/2004		9/12/2004	
Unit	ug/Kg		ug/Kg	
1,1,1-TRICHLORO-2,2-BIS (P-METHOXYPHENYL)-ETHANE	1.4	U	1.4	U
2,4,5-T (2,4,5-TRICHLOROPHENOXYACETIC ACID)	1.5	U	1.4	U
2,4-D	5.3	U	16	P
2,4-DB	3.2	U	3.1	U
4,4'- DDD	1.2	U	1.1	U
4,4'-DDE	1.5	U	1.4	U
4,4'-DDT	2.1	U	2.1	U
ALDRIN	1.2	U	1.2	U
ALPHA- BHC	1.3	U	1.3	U
alpha-Chlordane	1.7	U	1.7	U
BETA - BHC	1.3	U	1.3	U
CAMPHECHLOR	3.4	U	3.4	U
DELTA - BHC	1	U	0.99	U
DICAMBA	1.5	U	1.5	U
DICHLORPROP	3.3	U	3.2	U
DIELDRIN	1.2	U	1.1	U
DINITROBUTYL PHENOL	1.3	U	1.2	U
ENDOSULFAN I	1.7	U	1.6	U
Endosulfan II	1.5	U	1.5	U
ENDOSULFAN SULFATE	1.7	U	1.7	U
ENDRIN	2.1	U	2.1	U
ENDRIN ALDEHYDE	1.8	U	1.7	U
ENDRIN KETONE	1.5	U	1.5	U
GAMMA - BHC (LINDANE)	1.4	U	1.4	U
gamma-Chlordane	1.7	U	1.7	U
HEPTACHLOR	1.5	U	1.5	U
HEPTACHLOR EPOXIDE	1.5	U	1.4	U
SILVEX	1.6	U	1.6	U

Notes:

ug/kg - micrograms per kilogram

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**Summary of Total Herbicides and Pesticides in Soil
Caemmerer Yard West Investigation**

Table O.2-44

Location ID	E-16		E-16	
Sample ID	E-16-NYDOS-12-14		E-16-NYDOS-16-18	
Depth	12-14		16-18	
Dilution Factor	1.0		1.0	
Sample Date	9/12/2004		9/12/2004	
Unit	ug/Kg		ug/Kg	
1,1,1-TRICHLORO-2,2-BIS (P-METHOXYPHENYL)-ETHANE	1.5	U	1.5	U
2,4,5-T (2,4,5-TRICHLOROPHENOXYACETIC ACID)	1.6	U	1.5	U
2,4-D	18	P	5.5	U
2,4-DB	3.3	U	3.3	U
4,4'- DDD	1.2	U	1.2	U
4,4'-DDE	1.6	U	1.5	U
4,4'-DDT	2.2	U	2.2	U
ALDRIN	1.3	U	1.3	U
ALPHA- BHC	1.4	U	1.3	U
alpha-Chlordane	1.8	U	1.8	U
BETA - BHC	1.4	U	1.4	U
CAMPHECHLOR	3.6	U	3.6	U
DELTA - BHC	1.1	U	1.1	U
DICAMBA	1.6	U	1.5	U
DICHLORPROP	3.5	U	3.4	U
DIELDRIN	1.2	U	1.2	U
DINITROBUTYL PHENOL	1.3	U	1.3	U
ENDOSULFAN I	1.8	U	1.7	U
Endosulfan II	1.6	U	1.6	U
ENDOSULFAN SULFATE	1.8	U	1.8	U
ENDRIN	2.2	U	2.2	U
ENDRIN ALDEHYDE	1.8	U	1.8	U
ENDRIN KETONE	1.6	U	1.6	U
GAMMA - BHC (LINDANE)	1.5	U	1.4	U
gamma-Chlordane	1.8	U	1.8	U
HEPTACHLOR	1.6	U	1.6	U
HEPTACHLOR EPOXIDE	1.5	U	1.5	U
SILVEX	1.7	U	1.7	U

Notes:

ug/kg - micrograms per kilogram

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**Summary of Total Herbicides and Pesticides in Soil
Caemmerer Yard West Investigation**

Table O.2-44

Location ID	E-16		E-17	
Sample ID	E-16-NYDOS-20-22		E-17-DOS-2-3	
Depth	20-22		2-3	
Dilution Factor	1.0		1.0	
Sample Date	9/12/2004		9/10/2004	
Unit	ug/Kg		ug/Kg	
1,1,1-TRICHLORO-2,2-BIS (P-METHOXYPHENYL)-ETHANE	1.6	U	1.4	U
2,4,5-T (2,4,5-TRICHLOROPHENOXYACETIC ACID)	1.6	U	1.4	U
2,4-D	5.7	U	5.2	U
2,4-DB	3.4	U	3.1	U
4,4'- DDD	1.3	U	1.1	U
4,4'-DDE	1.6	U	1.4	U
4,4'-DDT	2.3	U	2.1	U
ALDRIN	1.3	U	1.2	U
ALPHA- BHC	1.4	U	1.3	U
alpha-Chlordane	1.8	U	1.7	U
BETA - BHC	1.4	U	1.3	U
CAMPHECHLOR	3.7	U	3.4	U
DELTA - BHC	1.1	U	1	U
DICAMBA	1.6	U	1.5	U
DICHLORPROP	3.6	U	3.2	U
DIELDRIN	1.3	U	1.1	U
DINITROBUTYL PHENOL	1.4	U	1.2	U
ENDOSULFAN I	1.8	U	1.6	U
Endosulfan II	1.6	U	1.5	U
ENDOSULFAN SULFATE	1.8	U	1.7	U
ENDRIN	2.3	U	2.1	U
ENDRIN ALDEHYDE	1.9	U	1.7	U
ENDRIN KETONE	1.6	U	1.5	U
GAMMA - BHC (LINDANE)	1.5	U	1.4	U
gamma-Chlordane	1.8	U	1.7	U
HEPTACHLOR	1.6	U	1.5	U
HEPTACHLOR EPOXIDE	1.6	U	1.4	U
SILVEX	1.7	U	1.6	U

Notes:

ug/kg - micrograms per kilogram

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**Summary of Total Herbicides and Pesticides in Soil
Caemmerer Yard West Investigation**

Table O.2-44

Location ID	E-17		E-17	
Sample ID	E-17-DOS-7-9		E-17-DOS-13-16	
Depth	7-9		13-16	
Dilution Factor	1.0		1.0	
Sample Date	9/10/2004		9/10/2004	
Unit	ug/Kg		ug/Kg	
1,1,1-TRICHLORO-2,2-BIS (P-METHOXYPHENYL)-ETHANE	1.5	U	1.5	U
2,4,5-T (2,4,5-TRICHLOROPHENOXYACETIC ACID)	1.5	U	1.5	U
2,4-D	5.4	U	5.5	U
2,4-DB	3.2	U	3.2	U
4,4'- DDD	1.2	U	1.2	U
4,4'-DDE	1.5	U	1.5	U
4,4'-DDT	2.2	U	2.2	U
ALDRIN	1.2	U	1.3	U
ALPHA- BHC	1.3	U	1.3	U
alpha-Chlordane	1.7	U	1.8	U
BETA - BHC	1.3	U	1.4	U
CAMPHECHLOR	3.5	U	3.6	U
DELTA - BHC	1	U	1.1	U
DICAMBA	1.5	U	1.5	U
DICHLORPROP	3.4	U	3.4	U
DIELDRIN	1.2	U	1.2	U
DINITROBUTYL PHENOL	1.3	U	1.3	U
ENDOSULFAN I	1.7	U	1.7	U
Endosulfan II	1.6	U	1.6	U
ENDOSULFAN SULFATE	1.7	U	1.8	U
ENDRIN	2.1	U	2.2	U
ENDRIN ALDEHYDE	1.8	U	1.8	U
ENDRIN KETONE	1.5	U	1.6	U
GAMMA - BHC (LINDANE)	1.4	U	1.4	U
gamma-Chlordane	1.7	U	1.8	U
HEPTACHLOR	1.5	U	1.6	U
HEPTACHLOR EPOXIDE	1.5	U	1.5	U
SILVEX	1.6	U	1.6	U

Notes:

ug/kg - micrograms per kilogram

DUP - denotes field duplicate of preceding sample

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

J - Indicates an estimated value

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**Summary of Total Herbicides and Pesticides in Soil
Caemmerer Yard West Investigation**

Table O.2-44

Location ID	E-9		E-9	
Sample ID	E-9-NYCTA-2-3		E-9-NYCTA-10-16	
Depth	2-3		10-16	
Dilution Factor	1.0		1.0	
Sample Date	9/28/2004		9/29/2004	
Unit	ug/Kg		ug/Kg	
1,1,1-TRICHLORO-2,2-BIS (P-METHOXYPHENYL)-ETHANE	1.5	U	1.5	U
2,4,5-T (2,4,5-TRICHLOROPHOXYACETIC ACID)	1.2	U	1.5	U
2,4-D	2.6	U	5.5	U
2,4-DB	2.6	U	3.3	U
4,4'- DDD	1.2	U	1.2	U
4,4'-DDE	1.5	U	1.5	U
4,4'-DDT	2.2	U	2.2	U
ALDRIN	1.2	U	1.3	U
ALPHA- BHC	1.3	U	1.3	U
alpha-Chlordane	1.8	U	1.8	U
BETA - BHC	1.4	U	1.4	U
CAMPHECHLOR	3.6	U	3.6	U
DELTA - BHC	1.1	U	1.1	U
DICAMBA	0.6	U	1.6	U
DICHLORPROP	2.4	U	3.5	U
DIELDRIN	1.2	U	1.2	U
DINITROBUTYL PHENOL	1.2	U	1.3	U
ENDOSULFAN I	1.7	U	1.8	U
Endosulfan II	1.6	U	1.6	U
ENDOSULFAN SULFATE	1.8	U	1.8	U
ENDRIN	2.2	U	2.2	U
ENDRIN ALDEHYDE	1.8	U	1.8	U
ENDRIN KETONE	1.5	U	1.6	U
GAMMA - BHC (LINDANE)	1.4	U	1.5	U
gamma-Chlordane	1.8	U	1.8	U
HEPTACHLOR	1.6	U	1.6	U
HEPTACHLOR EPOXIDE	1.5	U	1.5	U
SILVEX	0.8	U	1.7	U

Notes:

ug/kg - micrograms per kilogram

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U - Indicates the compound was analyzed for
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**Summary of Total Herbicides and Pesticides in Soil
Caemmerer Yard West Investigation**

Table O.2-44

Location ID	E-9		E-22	
Sample ID	DUP-S-09-30-04-2		E-22-NYCTA-2-2.5	
Depth	10-16		2-2.5	
Dilution Factor	1.0		1.0	
Sample Date	9/29/2004		9/24/2004	
Unit	ug/Kg		ug/Kg	
1,1,1-TRICHLORO-2,2-BIS (P-METHOXYPHENYL)-ETHANE	1.3	U	1.4	U
2,4,5-T (2,4,5-TRICHLOROPHENOXYACETIC ACID)	1.1	U	1.4	U
2,4-D	1.3	U	5.1	U
2,4-DB	1.9	U	3	U
4,4'- DDD	1.1	U	1.1	U
4,4'-DDE	1.2	U	1.4	U
4,4'-DDT	1.5	U	2	U
ALDRIN	1.2	U	1.2	U
ALPHA- BHC	3.1	U	1.2	U
alpha-Chlordane	0.91	U	1.6	U
BETA - BHC	1.3	U	1.3	U
CAMPHECHLOR	1.5	U	3.3	U
DELTA - BHC	1.4	U	0.98	U
DICAMBA	1.3	U	1.4	U
DICHLORPROP	5.4	U	3.2	U
DIELDRIN	3.7	U	1.1	U
DINITROBUTYL PHENOL	2.5	U	1.2	U
ENDOSULFAN I	3.2	U	1.6	U
Endosulfan II	3.8	U	1.5	U
ENDOSULFAN SULFATE	1.4	U	1.6	U
ENDRIN	3.1	U	2	U
ENDRIN ALDEHYDE	1.3	U	1.7	U
ENDRIN KETONE	4.7	U	1.4	U
GAMMA - BHC (LINDANE)	2.8	U	1.3	U
gamma-Chlordane	1.3	U	1.6	U
HEPTACHLOR	3	U	1.5	U
HEPTACHLOR EPOXIDE	1.1	U	1.4	U
SILVEX	1.4	U	1.5	U

Notes:

ug/kg - micrograms per kilogram

DUP - denotes field duplicate of preceding sample

U - Indicates the compound was analyzed for
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**Summary of Total Herbicides and Pesticides in Soil
Caemmerer Yard West Investigation**

Table O.2-44

Location ID	E-22		E-22	
Sample ID	E-22-NYCTA-4.5-5		E-22-NYCTA-18-20	
Depth	4.5-5		18-20	
Dilution Factor	1.0		1.0	
Sample Date	9/24/2004		9/25/2004	
Unit	ug/Kg		ug/Kg	
1,1,1-TRICHLORO-2,2-BIS (P-METHOXYPHENYL)-ETHANE	1.5	U	1.5	U
2,4,5-T (2,4,5-TRICHLOROPHOXYACETIC ACID)	1.5	U	1.5	U
2,4-D	5.4	U	5.5	U
2,4-DB	3.2	U	3.3	U
4,4'- DDD	1.2	U	1.2	U
4,4'-DDE	1.5	U	1.6	U
4,4'-DDT	2.2	U	2.2	U
ALDRIN	1.2	U	1.3	U
ALPHA- BHC	1.3	U	1.4	U
alpha-Chlordane	1.7	U	1.8	U
BETA - BHC	1.3	U	1.4	U
CAMPHECHLOR	3.5	U	3.6	U
DELTA - BHC	1	U	1.1	U
DICAMBA	1.5	U	1.6	U
DICHLORPROP	3.4	U	3.5	U
DIELDRIN	1.2	U	1.2	U
DINITROBUTYL PHENOL	1.3	U	1.3	U
ENDOSULFAN I	1.7	U	1.8	U
Endosulfan II	1.5	U	1.6	U
ENDOSULFAN SULFATE	1.7	U	1.8	U
ENDRIN	2.1	U	2.2	U
ENDRIN ALDEHYDE	1.8	U	1.8	U
ENDRIN KETONE	1.5	U	1.6	U
GAMMA - BHC (LINDANE)	1.4	U	1.5	U
gamma-Chlordane	1.7	U	1.8	U
HEPTACHLOR	1.5	U	1.6	U
HEPTACHLOR EPOXIDE	1.5	U	1.5	U
SILVEX	1.6	U	1.7	U

Notes:

ug/kg - micrograms per kilogram

DUP - denotes field duplicate of preceding sample

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

J - Indicates an estimated value

P - This flag is used for Pesticide target analyte when there
is >25% difference for detected concentrations between two GC columns
The lower of the two values is reported on Form 1 and flagged with a "P"

**Summary of Total Herbicides and Pesticides in Soil
Caemmerer Yard West Investigation**

Table O.2-44

Location ID	E-22		E-10	
Sample ID	E-22-NYCTA-35-37		E-10-SW-2-3	
Depth	35-37		2-3	
Dilution Factor	1.0		1.0	
Sample Date	9/25/2004		9/28/2004	
Unit	ug/Kg		ug/Kg	
1,1,1-TRICHLORO-2,2-BIS (P-METHOXYPHENYL)-ETHANE	1.6	U	1.4	U
2,4,5-T (2,4,5-TRICHLOROPHENOXYACETIC ACID)	1.7	U	1.1	U
2,4-D	6	U	2.4	U
2,4-DB	3.5	U	2.4	U
4,4'- DDD	1.3	U	1.1	U
4,4'-DDE	1.6	U	1.4	U
4,4'-DDT	2.4	U	2	U
ALDRIN	1.4	U	1.2	U
ALPHA- BHC	1.4	U	1.2	U
alpha-Chlordane	1.9	U	1.6	U
BETA - BHC	1.5	U	1.3	U
CAMPHECHLOR	3.8	U	3.3	U
DELTA - BHC	1.1	U	0.98	U
DICAMBA	1.7	U	0.6	U
DICHLORPROP	3.7	U	2.3	U
DIELDRIN	1.3	U	1.1	U
DINITROBUTYL PHENOL	1.4	U	1.1	U
ENDOSULFAN I	1.9	U	1.6	U
Endosulfan II	1.7	U	1.5	U
ENDOSULFAN SULFATE	1.9	U	1.6	U
ENDRIN	2.3	U	2	U
ENDRIN ALDEHYDE	2	U	1.7	U
ENDRIN KETONE	1.7	U	1.4	U
GAMMA - BHC (LINDANE)	1.6	U	1.3	U
gamma-Chlordane	1.9	U	1.6	U
HEPTACHLOR	1.7	U	1.4	U
HEPTACHLOR EPOXIDE	1.6	U	1.4	U
SILVEX	1.8	U	0.8	U

Notes:

ug/kg - micrograms per kilogram

DUP - denotes field duplicate of preceding sample

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

J - Indicates an estimated value

P - This flag is used for Pesticide target analyte when there
is >25% difference for detected concentrations between two GC columns
The lower of the two values is reported on Form 1 and flagged with a "P"

**Summary of Total Herbicides and Pesticides in Soil
Caemmerer Yard West Investigation**

Table O.2-44

Location ID	E-10A	
Sample ID	E-10A-SW-2-4	E-10A-SW-5-9
Depth	2-4	5-9
Dilution Factor	1.0	1.0
Sample Date	9/30/2004	9/30/2004
Unit	ug/Kg	ug/Kg
1,1,1-TRICHLORO-2,2-BIS (P-METHOXYPHENYL)-ETHANE	1.3 U	1.3 U
2,4,5-T (2,4,5-TRICHLOROPHENOXYACETIC ACID)	1.3 U	1.4 U
2,4-D	4.7 U	4.9 U
2,4-DB	2.8 U	2.9 U
4,4'- DDD	1.1 U	1.1 U
4,4'-DDE	1.3 U	1.3 U
4,4'-DDT	1.9 U	1.9 U
ALDRIN	1.1 U	1.1 U
ALPHA- BHC	1.1 U	1.2 U
alpha-Chlordane	1.5 U	1.6 U
BETA - BHC	1.2 U	1.2 U
CAMPHECHLOR	3.1 U	3.1 U
DELTA - BHC	0.91 U	0.93 U
DICAMBA	1.3 U	1.4 U
DICHLORPROP	2.9 U	3.1 U
DIELDRIN	1 U	1.1 U
DINITROBUTYL PHENOL	1.1 U	1.2 U
ENDOSULFAN I	1.5 U	1.5 U
Endosulfan II	1.4 U	1.4 U
ENDOSULFAN SULFATE	1.5 U	1.6 U
ENDRIN	1.9 U	1.9 U
ENDRIN ALDEHYDE	1.6 U	1.6 U
ENDRIN KETONE	1.3 U	1.4 U
GAMMA - BHC (LINDANE)	1.2 U	1.3 U
gamma-Chlordane	1.5 U	1.6 U
HEPTACHLOR	1.4 U	1.4 U
HEPTACHLOR EPOXIDE	1.3 U	1.3 U
SILVEX	1.4 U	1.5 U

Notes:

ug/kg - micrograms per kilogram

DUP - denotes field duplicate of preceding sample

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

J - Indicates an estimated value

P - This flag is used for Pesticide target analyte when there
is >25% difference for detected concentrations between two GC columns
The lower of the two values is reported on Form 1 and flagged with a "P"

**Summary of Total Herbicides and Pesticides in Soil
Caemmerer Yard West Investigation**

Table O.2-44

Location ID	E-15	E-15
Sample ID	E-15-SW-0-2	E-15-SW-5-6
Depth	0-2	5-6
Dilution Factor	1.0	1.0
Sample Date	10/1/2004	10/1/2004
Unit	ug/Kg	ug/Kg
1,1,1-TRICHLORO-2,2-BIS (P-METHOXYPHENYL)-ETHANE	--	--
2,4,5-T (2,4,5-TRICHLOROPHENOXYACETIC ACID)	--	--
2,4-D	--	--
2,4-DB	--	--
4,4'- DDD	--	--
4,4'-DDE	--	--
4,4'-DDT	--	--
ALDRIN	--	--
ALPHA- BHC	--	--
alpha-Chlordane	--	--
BETA - BHC	--	--
CAMPHECHLOR	--	--
DELTA - BHC	--	--
DICAMBA	--	--
DICHLORPROP	--	--
DIELDRIN	--	--
DINITROBUTYL PHENOL	--	--
ENDOSULFAN I	--	--
Endosulfan II	--	--
ENDOSULFAN SULFATE	--	--
ENDRIN	--	--
ENDRIN ALDEHYDE	--	--
ENDRIN KETONE	--	--
GAMMA - BHC (LINDANE)	--	--
gamma-Chlordane	--	--
HEPTACHLOR	--	--
HEPTACHLOR EPOXIDE	--	--
SILVEX	--	--

Notes:

ug/kg - micrograms per kilogram

DUP - denotes field duplicate of preceding sample

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

J - Indicates an estimated value

P - This flag is used for Pesticide target analyte when there
is >25% difference for detected concentrations between two GC columns
The lower of the two values is reported on Form 1 and flagged with a "P"

**Summary of Total Herbicides and Pesticides in Soil
Caemmerer Yard West Investigation**

Table O.2-44

Location ID	E-15		E-15	
Sample ID	E-15-SW-12-14		E-15-SW-14-17	
Depth	12-14		14-17	
Dilution Factor	1.0		1.0	
Sample Date	10/4/2004		10/4/2004	
Unit	ug/Kg		ug/Kg	
1,1,1-TRICHLORO-2,2-BIS (P-METHOXYPHENYL)-ETHANE	1.4	U	1.5	U
2,4,5-T (2,4,5-TRICHLOROPHENOXYACETIC ACID)	1.5	U	1.6	U
2,4-D	15	P	5.7	U
2,4-DB	3.1	U	3.4	U
4,4'- DDD	1.1	U	1.3	U
4,4'-DDE	1.4	U	1.6	U
4,4'-DDT	2.1	U	2.3	U
ALDRIN	1.2	U	1.3	U
ALPHA- BHC	1.3	U	1.4	U
alpha-Chlordane	1.7	U	1.8	U
BETA - BHC	1.3	U	1.4	U
CAMPHECHLOR	3.4	U	3.7	U
DELTA - BHC	1	U	1.1	U
DICAMBA	1.5	U	1.6	U
DICHLORPROP	3.3	U	3.5	U
DIELDRIN	1.1	U	1.2	U
DINITROBUTYL PHENOL	1.2	U	1.3	U
ENDOSULFAN I	1.6	U	1.8	U
Endosulfan II	1.5	U	1.6	U
ENDOSULFAN SULFATE	1.7	U	1.8	U
ENDRIN	2.1	U	2.2	U
ENDRIN ALDEHYDE	1.7	U	1.9	U
ENDRIN KETONE	1.5	U	1.6	U
GAMMA - BHC (LINDANE)	1.4	U	1.5	U
gamma-Chlordane	1.7	U	1.8	U
HEPTACHLOR	1.5	U	1.6	U
HEPTACHLOR EPOXIDE	1.4	U	1.6	U
SILVEX	1.6	U	1.7	U

Notes:

ug/kg - micrograms per kilogram

DUP - denotes field duplicate of preceding sample

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

J - Indicates an estimated value

P - This flag is used for Pesticide target analyte when there
is >25% difference for detected concentrations between two GC columns

The lower of the two values is reported on Form 1 and flagged with a "P"

**Summary of Total PCBs in Soil
Caemmerer Yard West Investigation**

Table O.2-45

Location ID	E-27	E-40	E-40
Sample ID	E-27-SW12-7-9	E-40-SW-2-4	DUP-S-10-05-04
Depth	7-9	2-4	2-4
Dilution Factor	1.0	1.0	1.0
Sample Date	10/1/2004	10/5/2004	10/5/2004
Unit	ug/Kg	ug/Kg	ug/Kg
AROCLOR-1016 (PCB-1016)	5.9 U	5.5 U	5.5 U
AROCLOR-1221 (PCB-1221)	4 U	3.8 U	3.7 U
AROCLOR-1232 (PCB-1232)	2.7 U	2.6 U	2.5 U
AROCLOR-1242 (PCB-1242)	3.5 U	3.3 U	3.2 U
AROCLOR-1248 (PCB-1248)	4.1 U	3.9 U	3.8 U
AROCLOR-1254 (PCB-1254)	1.5 U	1.4 U	1.4 U
AROCLOR-1260 (PCB-1260)	3.3 U	3.1 U	3.1 U

Notes:

ug/kg - micrograms per kilogram

DUP - denotes field duplicate of preceding sample

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

J - Indicates an estimated value

P - This flag is used for PCB target analyte when there
is >25% difference for detected concentrations between
two GC columns

The lower of the two values is reported on Form 1
and flagged with a "P"

**Summary of Total PCBs in Soil
Caemmerer Yard West Investigation**

Table O.2-45

Location ID	E-40	E-40	E-40
Sample ID	E-40-SW-6-8	E-40-SW-14-16	E-40-SW-20-22
Depth	6-8	14-16	20-22
Dilution Factor	1.0	1.0	1.0
Sample Date	10/5/2004	10/5/2004	10/5/2004
Unit	ug/Kg	ug/Kg	ug/Kg
AROCLOR-1016 (PCB-1016)	7.5 U	6.4 U	6.4 U
AROCLOR-1221 (PCB-1221)	5.1 U	4.3 U	4.3 U
AROCLOR-1232 (PCB-1232)	3.5 U	2.9 U	2.9 U
AROCLOR-1242 (PCB-1242)	4.5 U	3.8 U	3.8 U
AROCLOR-1248 (PCB-1248)	5.3 U	4.5 U	4.5 U
AROCLOR-1254 (PCB-1254)	1.9 U	1.6 U	1.6 U
AROCLOR-1260 (PCB-1260)	4.3 U	3.6 U	3.6 U

Notes:

ug/kg - micrograms per kilogram

DUP - denotes field duplicate of preceding sample

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

J - Indicates an estimated value

P - This flag is used for PCB target analyte when there
is >25% difference for detected concentrations between
two GC columns

The lower of the two values is reported on Form 1
and flagged with a "P"

**Summary of Total PCBs in Soil
Caemmerer Yard West Investigation**

Table O.2-45

Location ID	E-47	E-47	E-47
Sample ID	E-47-SW12-1-2	DUP-S-10-04-04	E-47-SW12-3-5
Depth	1-2	1-2	3-5
Dilution Factor	1.0	1.0	1.0
Sample Date	10/4/2004	10/4/2004	10/4/2004
Unit	ug/Kg	ug/Kg	ug/Kg
AROCLOR-1016 (PCB-1016)	5.9 U	5.8 U	5.6 U
AROCLOR-1221 (PCB-1221)	4 U	3.9 U	3.8 U
AROCLOR-1232 (PCB-1232)	2.7 U	2.7 U	2.6 U
AROCLOR-1242 (PCB-1242)	3.5 U	3.4 U	3.3 U
AROCLOR-1248 (PCB-1248)	4.1 U	4 U	3.9 U
AROCLOR-1254 (PCB-1254)	1.5 U	1.5 U	1.4 U
AROCLOR-1260 (PCB-1260)	3.3 U	3.3 U	3.1 U

Notes:

ug/kg - micrograms per kilogram

DUP - denotes field duplicate of preceding sample

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

J - Indicates an estimated value

P - This flag is used for PCB target analyte when there
is >25% difference for detected concentrations between
two GC columns

The lower of the two values is reported on Form 1
and flagged with a "P"

**Summary of Total PCBs in Soil
Caemmerer Yard West Investigation**

Table O.2-45

Location ID	E-61	E-61	E-61
Sample ID	E-61-SW-2-4	E-61-SW-8-10	E-61-SW-16-18
Depth	2-4	8-10	16-18
Dilution Factor	1.0	1.0	1.0
Sample Date	10/3/2004	10/3/2004	10/4/2004
Unit	ug/Kg	ug/Kg	ug/Kg
AROCLOR-1016 (PCB-1016)	6 U	5.9 U	6.3 U
AROCLOR-1221 (PCB-1221)	4.1 U	4 U	4.3 U
AROCLOR-1232 (PCB-1232)	2.8 U	2.7 U	2.9 U
AROCLOR-1242 (PCB-1242)	3.6 U	3.5 U	3.7 U
AROCLOR-1248 (PCB-1248)	4.2 U	4.1 U	4.4 U
AROCLOR-1254 (PCB-1254)	1.6 U	1.5 U	1.6 U
AROCLOR-1260 (PCB-1260)	3.4 U	3.3 U	3.6 U

Notes:

ug/kg - micrograms per kilogram

DUP - denotes field duplicate of preceding sample

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

J - Indicates an estimated value

P - This flag is used for PCB target analyte when there
is >25% difference for detected concentrations between
two GC columns

The lower of the two values is reported on Form 1
and flagged with a "P"

**Summary of Total PCBs in Soil
Caemmerer Yard West Investigation**

Table O.2-45

Location ID	E-61	E-61	E-61
Sample ID	E-61-SW-18-20	E-61-SW-22-24	E-61-SW-24-26
Depth	18-20	22-24	24-26
Dilution Factor	1.0	1.0	1.0
Sample Date	10/4/2004	10/4/2004	10/4/2004
Unit	ug/Kg	ug/Kg	ug/Kg
AROCLOR-1016 (PCB-1016)	6.7 U	6 U	7.3 U
AROCLOR-1221 (PCB-1221)	4.5 U	4.1 U	5 U
AROCLOR-1232 (PCB-1232)	3.1 U	2.7 U	3.4 U
AROCLOR-1242 (PCB-1242)	4 U	3.5 U	4.3 U
AROCLOR-1248 (PCB-1248)	4.7 U	4.2 U	5.1 U
AROCLOR-1254 (PCB-1254)	1.7 U	1.5 U	1.9 U
AROCLOR-1260 (PCB-1260)	3.8 U	3.4 U	4.1 U

Notes:

ug/kg - micrograms per kilogram

DUP - denotes field duplicate of preceding sample

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

J - Indicates an estimated value

P - This flag is used for PCB target analyte when there
is >25% difference for detected concentrations between
two GC columns

The lower of the two values is reported on Form 1
and flagged with a "P"

**Summary of Total PCBs in Soil
Caemmerer Yard West Investigation**

Table O.2-45

Location ID	E-13	E-13	E-19
Sample ID	E-13-GH-2-3	E-13-GH-5-7	E-19-GH-0-2
Depth	2-3	5-7	0-2
Dilution Factor	1.0	1.0	1.0
Sample Date	9/16/2004	9/16/2004	9/25/2004
Unit	ug/Kg	ug/Kg	ug/Kg
AROCLOR-1016 (PCB-1016)	6.1 U	5.4 U	5.4 U
AROCLOR-1221 (PCB-1221)	4.1 U	3.7 U	3.7 U
AROCLOR-1232 (PCB-1232)	2.8 U	2.5 U	2.5 U
AROCLOR-1242 (PCB-1242)	3.6 U	3.2 U	3.2 U
AROCLOR-1248 (PCB-1248)	4.2 U	3.8 U	3.8 U
AROCLOR-1254 (PCB-1254)	1.6 U	1.4 U	1.4 U
AROCLOR-1260 (PCB-1260)	50 P	3.1 U	59

Notes:

ug/kg - micrograms per kilogram

DUP - denotes field duplicate of preceding sample

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

J - Indicates an estimated value

P - This flag is used for PCB target analyte when there
is >25% difference for detected concentrations between
two GC columns

The lower of the two values is reported on Form 1
and flagged with a "P"

**Summary of Total PCBs in Soil
Caemmerer Yard West Investigation**

Table O.2-45

Location ID	E-19	E-19	E-19
Sample ID	E-19-GH-2-4	E-19-GH-7-8	E-19-GH-10-12
Depth	2-4	7-8	10-12
Dilution Factor	1.0	1.0	1.0
Sample Date	9/25/2004	9/25/2004	9/25/2004
Unit	ug/Kg	ug/Kg	ug/Kg
AROCLOR-1016 (PCB-1016)	6 U	6.2 U	6.9 U
AROCLOR-1221 (PCB-1221)	4.1 U	4.2 U	4.7 U
AROCLOR-1232 (PCB-1232)	2.8 U	2.8 U	3.2 U
AROCLOR-1242 (PCB-1242)	3.6 U	3.6 U	4.1 U
AROCLOR-1248 (PCB-1248)	4.2 U	4.3 U	4.8 U
AROCLOR-1254 (PCB-1254)	1.6 U	1.6 U	1.8 U
AROCLOR-1260 (PCB-1260)	3.4 U	3.5 U	3.9 U

Notes:

ug/kg - micrograms per kilogram

DUP - denotes field duplicate of preceding sample

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

J - Indicates an estimated value

P - This flag is used for PCB target analyte when there
is >25% difference for detected concentrations between
two GC columns

The lower of the two values is reported on Form 1
and flagged with a "P"

**Summary of Total PCBs in Soil
Caemmerer Yard West Investigation**

Table O.2-45

Location ID	E-19	E-19	E-19
Sample ID	E-19-GH-12-14	E-19-GH-17-19	DUP-S-09-25-04
Depth	12-14	17-19	17-19
Dilution Factor	1.0	1.0	1.0
Sample Date	9/25/2004	9/25/2004	9/25/2004
Unit	ug/Kg	ug/Kg	ug/Kg
AROCLOR-1016 (PCB-1016)	6.4 U	6.2 U	1.2 U
AROCLOR-1221 (PCB-1221)	4.4 U	4.3 U	1.8 U
AROCLOR-1232 (PCB-1232)	3 U	2.9 U	1.6 U
AROCLOR-1242 (PCB-1242)	3.8 U	3.7 U	1.8 U
AROCLOR-1248 (PCB-1248)	4.5 U	4.4 U	2.2 U
AROCLOR-1254 (PCB-1254)	1.7 U	1.6 U	1.8 U
AROCLOR-1260 (PCB-1260)	3.6 U	3.5 U	1.6 U

Notes:

ug/kg - micrograms per kilogram

DUP - denotes field duplicate of preceding sample

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

J - Indicates an estimated value

P - This flag is used for PCB target analyte when there
is >25% difference for detected concentrations between
two GC columns

The lower of the two values is reported on Form 1
and flagged with a "P"

**Summary of Total PCBs in Soil
Caemmerer Yard West Investigation**

Table O.2-45

Location ID	E-19	E-20	E-20
Sample ID	E-19-GH-19-21	E-20-GH-2-4	E-20-GH-4-6
Depth	19-21	2-4	4-6
Dilution Factor	1.0	1.0	1.0
Sample Date	9/25/2004	9/21/2004	9/21/2004
Unit	ug/Kg	ug/Kg	ug/Kg
AROCLOR-1016 (PCB-1016)	6.6 U	5.7 U	5.7 U
AROCLOR-1221 (PCB-1221)	4.5 U	3.9 U	3.9 U
AROCLOR-1232 (PCB-1232)	3.1 U	2.6 U	2.6 U
AROCLOR-1242 (PCB-1242)	3.9 U	3.4 U	3.4 U
AROCLOR-1248 (PCB-1248)	4.6 U	4 U	4 U
AROCLOR-1254 (PCB-1254)	1.7 U	1.5 U	1.5 U
AROCLOR-1260 (PCB-1260)	3.7 U	3.2 U	3.2 U

Notes:

ug/kg - micrograms per kilogram

DUP - denotes field duplicate of preceding sample

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

J - Indicates an estimated value

P - This flag is used for PCB target analyte when there
is >25% difference for detected concentrations between
two GC columns

The lower of the two values is reported on Form 1
and flagged with a "P"

**Summary of Total PCBs in Soil
Caemmerer Yard West Investigation**

Table O.2-45

Location ID	E-20	E-20	E-20
Sample ID	E-20-GH-8-10	E-20-GH-12-14	E-20-GH-41-45
Depth	8-10	12-14	41-45
Dilution Factor	1.0	1.0	1.0
Sample Date	9/21/2004	9/21/2004	9/21/2004
Unit	ug/Kg	ug/Kg	ug/Kg
AROCLOR-1016 (PCB-1016)	6.4 U	6.6 U	7.5 U
AROCLOR-1221 (PCB-1221)	4.3 U	4.5 U	5.1 U
AROCLOR-1232 (PCB-1232)	2.9 U	3.1 U	3.4 U
AROCLOR-1242 (PCB-1242)	3.8 U	3.9 U	4.4 U
AROCLOR-1248 (PCB-1248)	4.5 U	4.7 U	5.2 U
AROCLOR-1254 (PCB-1254)	1.6 U	1.7 U	1.9 U
AROCLOR-1260 (PCB-1260)	3.6 U	3.8 U	4.2 U

Notes:

ug/kg - micrograms per kilogram

DUP - denotes field duplicate of preceding sample

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

J - Indicates an estimated value

P - This flag is used for PCB target analyte when there
is >25% difference for detected concentrations between
two GC columns

The lower of the two values is reported on Form 1
and flagged with a "P"

**Summary of Total PCBs in Soil
Caemmerer Yard West Investigation**

Table O.2-45

Location ID	E-21	E-21	E-21
Sample ID	E-21-GH-0-2	E-21-GH-2-4	E-21-GH-6-8
Depth	0-2	2-4	6-8
Dilution Factor	1.0	1.0	1.0
Sample Date	9/16/2004	9/16/2004	9/16/2004
Unit	ug/Kg	ug/Kg	ug/Kg
AROCLOR-1016 (PCB-1016)	5.8 U	5.9 U	6.1 U
AROCLOR-1221 (PCB-1221)	3.9 U	4 U	4.2 U
AROCLOR-1232 (PCB-1232)	2.7 U	2.7 U	2.8 U
AROCLOR-1242 (PCB-1242)	3.4 U	3.5 U	3.6 U
AROCLOR-1248 (PCB-1248)	4 U	4.1 U	4.3 U
AROCLOR-1254 (PCB-1254)	1.5 U	1.5 U	1.6 U
AROCLOR-1260 (PCB-1260)	280	11 JP	3.4 U

Notes:

ug/kg - micrograms per kilogram

DUP - denotes field duplicate of preceding sample

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

J - Indicates an estimated value

P - This flag is used for PCB target analyte when there
is >25% difference for detected concentrations between
two GC columns

The lower of the two values is reported on Form 1
and flagged with a "P"

**Summary of Total PCBs in Soil
Caemmerer Yard West Investigation**

Table O.2-45

Location ID	E-21	E-31	E-31
Sample ID	E-21-GH-20-22	E-31-GH-4-6	E-31-GH-16-18
Depth	20-22	4-6	16-18
Dilution Factor	1.0	1.0	1.0
Sample Date	9/16/2004	9/16/2004	9/16/2004
Unit	ug/Kg	ug/Kg	ug/Kg
AROCLOR-1016 (PCB-1016)	6.3 U	5.6 U	8.8 U
AROCLOR-1221 (PCB-1221)	4.3 U	3.8 U	6 U
AROCLOR-1232 (PCB-1232)	2.9 U	2.6 U	4.1 U
AROCLOR-1242 (PCB-1242)	3.7 U	3.3 U	5.2 U
AROCLOR-1248 (PCB-1248)	4.4 U	3.9 U	6.2 U
AROCLOR-1254 (PCB-1254)	1.6 U	1.4 U	2.3 U
AROCLOR-1260 (PCB-1260)	3.5 U	150	5 U

Notes:

ug/kg - micrograms per kilogram

DUP - denotes field duplicate of preceding sample

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

J - Indicates an estimated value

P - This flag is used for PCB target analyte when there
is >25% difference for detected concentrations between
two GC columns

The lower of the two values is reported on Form 1
and flagged with a "P"

**Summary of Total PCBs in Soil
Caemmerer Yard West Investigation**

Table O.2-45

Location ID	SB-E-03	SB-E-03	SB-H-22
Sample ID	SB-E-03-GH-2-4	SB-E-03-GH-14-16	SB-H-22-GH-1-2
Depth	2-4	14-16	1-2
Dilution Factor	1.0	1.0	1.0
Sample Date	9/22/2004	9/22/2004	9/25/2004
Unit	ug/Kg	ug/Kg	ug/Kg
AROCLOR-1016 (PCB-1016)	5.4 U	6.9 U	5.9 U
AROCLOR-1221 (PCB-1221)	1.3 U	1.7 U	4 U
AROCLOR-1232 (PCB-1232)	8.3 U	11 U	2.7 U
AROCLOR-1242 (PCB-1242)	2.3 U	2.9 U	3.5 U
AROCLOR-1248 (PCB-1248)	5.7 U	7.3 U	4.2 U
AROCLOR-1254 (PCB-1254)	11 U	14 U	1.5 U
AROCLOR-1260 (PCB-1260)	66	2.6 U	68

Notes:

ug/kg - micrograms per kilogram

DUP - denotes field duplicate of preceding sample

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

J - Indicates an estimated value

P - This flag is used for PCB target analyte when there
is >25% difference for detected concentrations between
two GC columns

The lower of the two values is reported on Form 1
and flagged with a "P"

**Summary of Total PCBs in Soil
Caemmerer Yard West Investigation**

Table O.2-45

Location ID	SB-H-22	SB-H-22	SB-H-22
Sample ID	SB-H-22-GH-6-8	SB-H-22-GH-11-15	SB-H-22-GH-15-16
Depth	6-8	11-15	15-16
Dilution Factor	1.0	1.0	1.0
Sample Date	9/25/2004	9/25/2004	9/25/2004
Unit	ug/Kg	ug/Kg	ug/Kg
AROCLOR-1016 (PCB-1016)	5.8 U	6.9 U	6.2 U
AROCLOR-1221 (PCB-1221)	4 U	4.7 U	4.2 U
AROCLOR-1232 (PCB-1232)	2.7 U	3.2 U	2.8 U
AROCLOR-1242 (PCB-1242)	3.5 U	4.1 U	3.7 U
AROCLOR-1248 (PCB-1248)	4.1 U	4.8 U	4.3 U
AROCLOR-1254 (PCB-1254)	1.5 U	1.8 U	1.6 U
AROCLOR-1260 (PCB-1260)	3.3 U	3.9 U	3.5 U

Notes:

ug/kg - micrograms per kilogram

DUP - denotes field duplicate of preceding sample

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

J - Indicates an estimated value

P - This flag is used for PCB target analyte when there
is >25% difference for detected concentrations between
two GC columns

The lower of the two values is reported on Form 1
and flagged with a "P"

**Summary of Total PCBs in Soil
Caemmerer Yard West Investigation**

Table O.2-45

Location ID	SB-H-22	SB-H-22
Sample ID	SB-H-22-GH-19-23	SB-H-22-GH-23-25
Depth	19-23	23-25
Dilution Factor	1.0	1.0
Sample Date	9/25/2004	9/25/2004
Unit	ug/Kg	ug/Kg
AROCLOR-1016 (PCB-1016)	6.3 U	7.5 U
AROCLOR-1221 (PCB-1221)	4.3 U	5.1 U
AROCLOR-1232 (PCB-1232)	2.9 U	3.4 U
AROCLOR-1242 (PCB-1242)	3.7 U	4.4 U
AROCLOR-1248 (PCB-1248)	4.4 U	5.2 U
AROCLOR-1254 (PCB-1254)	1.6 U	1.9 U
AROCLOR-1260 (PCB-1260)	3.6 U	4.2 U

Notes:

ug/kg - micrograms per kilogram

DUP - denotes field duplicate of preceding sample

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

J - Indicates an estimated value

P - This flag is used for PCB target analyte when there
is >25% difference for detected concentrations between
two GC columns

The lower of the two values is reported on Form 1
and flagged with a "P"

Summary of Total VOCs in Groundwater
Caemmerer Yard West Investigation

Table O.2-46

Location ID	SB-H-06	SB-H-10
Sample ID	SB-H-06(MW)-LIRR-09-29-04	SB-H-10(MW)-LIRR-09-29-04
Sample Date	9/29/2004	9/29/2004
Unit	ug/L	ug/L
1,1,1-TRICHLOROETHANE	0.41 U	0.41 U
1,1,2,2-TETRACHLOROETHANE	0.5 U	0.5 U
1,1,2-TRICHLOROETHANE	0.52 U	0.52 U
1,1-DICHLOROETHANE	0.22 U	0.22 U
1,1-DICHLOROETHYLENE	0.32 U	0.32 U
1,2-DICHLOROETHANE	0.32 U	0.32 U
1,2-DICHLOROPROPANE	0.63 U	0.63 U
METHYL ETHYL KETONE	2.8 U	2.8 U
4-METHYL-2-PENTANONE	1.3 U	1.3 U
ACETONE	3.3 U	3.3 U
BENZENE	0.24 U	0.24 U
BROMODICHLOROMETHANE	0.35 U	0.35 U
BROMOMETHANE	0.78 U	0.78 U
CARBON DISULFIDE	0.39 U	0.39 U
CARBON TETRACHLORIDE	0.47 U	0.47 U
CHLOROBENZENE	0.37 U	0.37 U
CHLORODIBROMOMETHANE	0.38 U	0.38 U
CHLOROETHANE	0.88 U	0.88 U
CHLOROFORM	0.58 U	0.58 U
CHLOROMETHANE	0.68 U	0.68 U
CIS-1,2-DICHLOROETHENE	0.77 U	0.77 U
CIS-1,3-DICHLOROPROPENE	0.15 U	0.15 U
METHYLENE CHLORIDE	0.62 U	1.6 J
ETHYLBENZENE	0.41 U	0.41 U
M/P-XYLENE (a)	0.96 U	0.96 U
O-XYLENE (b)	0.37 U	0.37 U
2-HEXANONE	0.66 U	0.66 U
TOLUENE	0.39 U	0.39 U
STYRENE (MONOMER)	0.34 U	0.34 U
TETRACHLOROETHENE	0.33 U	0.33 U
TRANS-1,2-DICHLOROETHENE	0.51 U	0.51 U
TRANS-1,3-DICHLOROPROPENE	0.42 U	0.42 U
BROMOFORM	0.25 U	0.25 U
TRICHLOROETHYLENE	0.67 U	0.67 U
VINYL CHLORIDE	0.27 U	0.27 U

NOTE:

ug/L: Micrograms per liters

U: Indicates the compound was analyzed for
but was not detected.

J: Indicates an estimated value

D: Indicates the compound indentified in
an analysis at a secondary dilution factor

B: Indicates the analyte was found in blank.

Summary of Total VOCs in Groundwater
Caemmerer Yard West Investigation

Table O.2-46

Location ID	SB-H-13	SB-H-15
Sample ID	SB-H-13(MW)-LIRR-10-01-04	SB-H-15(MW)-LIRR-10-01-04
Sample Date	10/1/2004	10/1/2004
Unit	ug/L	ug/L
1,1,1-TRICHLOROETHANE	0.41 U	0.41 U
1,1,2,2-TETRACHLOROETHANE	0.5 U	0.5 U
1,1,2-TRICHLOROETHANE	0.52 U	0.52 U
1,1-DICHLOROETHANE	0.22 U	0.22 U
1,1-DICHLOROETHYLENE	0.32 U	0.32 U
1,2-DICHLOROETHANE	0.32 U	0.32 U
1,2-DICHLOROPROPANE	0.63 U	0.63 U
METHYL ETHYL KETONE	2.8 U	2.8 U
4-METHYL-2-PENTANONE	1.3 U	1.3 U
ACETONE	3.3 U	3.3 U
BENZENE	0.24 U	1.7 J
BROMODICHLOROMETHANE	0.35 U	0.35 U
BROMOMETHANE	0.78 U	0.78 U
CARBON DISULFIDE	0.39 U	1.4 J
CARBON TETRACHLORIDE	0.47 U	0.47 U
CHLOROBENZENE	0.37 U	0.37 U
CHLORODIBROMOMETHANE	0.38 U	0.38 U
CHLOROETHANE	0.88 U	0.88 U
CHLOROFORM	1.4 J	3.2 J
CHLOROMETHANE	0.68 U	0.68 U
CIS-1,2-DICHLOROETHENE	0.77 U	0.77 U
CIS-1,3-DICHLOROPROPENE	0.15 U	0.15 U
METHYLENE CHLORIDE	0.62 U	0.62 U
ETHYLBENZENE	0.41 U	0.41 U
M/P-XYLENE (a)	0.96 U	0.96 U
O-XYLENE (b)	0.37 U	0.37 U
2-HEXANONE	0.66 U	0.66 U
TOLUENE	0.39 U	0.39 U
STYRENE (MONOMER)	0.34 U	0.34 U
TETRACHLOROETHENE	0.33 U	0.33 U
TRANS-1,2-DICHLOROETHENE	0.51 U	0.51 U
TRANS-1,3-DICHLOROPROPENE	0.42 U	0.42 U
BROMOFORM	0.25 U	0.25 U
TRICHLOROETHYLENE	0.67 U	0.67 U
VINYL CHLORIDE	0.27 U	0.27 U

NOTE:

ug/L: Micrograms per liters

U: Indicates the compound was analyzed for
but was not detected.

J: Indicates an estimated value

D: Indicates the compound indentified in
an analysis at a secondary dilution factor

B: Indicates the analyte was found in blank.

Summary of Total VOCs in Groundwater
Caemmerer Yard West Investigation

Table O.2-46

Location ID	SB-H-18		SB-H-03	
Sample ID	SB-H-18(MW)-LIRR-10-06-04		MW-64-LIRR-09-29-04	
Sample Date	10/6/2004		9/29/2004	
Unit	ug/L		ug/L	
1,1,1-TRICHLOROETHANE	0.41	U	0.41	U
1,1,2,2-TETRACHLOROETHANE	0.5	U	0.5	U
1,1,2-TRICHLOROETHANE	0.52	U	0.52	U
1,1-DICHLOROETHANE	0.22	U	0.22	U
1,1-DICHLOROETHYLENE	0.32	U	0.32	U
1,2-DICHLOROETHANE	0.32	U	0.32	U
1,2-DICHLOROPROPANE	0.63	U	0.63	U
METHYL ETHYL KETONE	2.8	U	2.8	U
4-METHYL-2-PENTANONE	1.3	U	1.3	U
ACETONE	5.7	J	3.3	U
BENZENE	0.24	U	0.24	U
BROMODICHLOROMETHANE	0.35	U	0.35	U
BROMOMETHANE	0.78	U	0.78	U
CARBON DISULFIDE	0.39	U	0.39	U
CARBON TETRACHLORIDE	0.47	U	0.47	U
CHLOROBENZENE	0.37	U	0.37	U
CHLORODIBROMOMETHANE	0.38	U	0.38	U
CHLOROETHANE	0.88	U	0.88	U
CHLOROFORM	0.58	U	0.58	U
CHLOROMETHANE	0.68	U	0.68	U
CIS-1,2-DICHLOROETHENE	0.77	U	0.77	U
CIS-1,3-DICHLOROPROPENE	0.15	U	0.15	U
METHYLENE CHLORIDE	0.62	U	0.62	U
ETHYLBENZENE	0.41	U	0.41	U
M/P-XYLENE (a)	0.96	U	0.96	U
O-XYLENE (b)	0.37	U	0.37	U
2-HEXANONE	0.66	U	0.66	U
TOLUENE	0.39	U	0.39	U
STYRENE (MONOMER)	0.34	U	0.34	U
TETRACHLOROETHENE	0.33	U	0.33	U
TRANS-1,2-DICHLOROETHENE	0.51	U	0.51	U
TRANS-1,3-DICHLOROPROPENE	0.42	U	0.42	U
BROMOFORM	0.25	U	0.25	U
TRICHLOROETHYLENE	0.67	U	0.67	U
VINYL CHLORIDE	0.27	U	0.27	U

NOTE:

ug/L: Micrograms per liters

U: Indicates the compound was analyzed for but was not detected.

J: Indicates an estimated value

D: Indicates the compound indentified in an analysis at a secondary dilution factor

B: Indicates the analyte was found in blank.

Summary of Total VOCs in Groundwater
Caemmerer Yard West Investigation

Table O.2-46

Location ID	SB-E-06		SB-E-09	
Sample ID	SB-E-06(MW)-NYDOS-092904		SB-E-09(MW)-NYDOS-10-06-04	
Sample Date	9/29/2004		10/6/2004	
Unit	ug/L		ug/L	
1,1,1-TRICHLOROETHANE	0.41	U	0.41	U
1,1,2,2-TETRACHLOROETHANE	0.5	U	0.5	U
1,1,2-TRICHLOROETHANE	0.52	U	0.52	U
1,1-DICHLOROETHANE	0.22	U	0.22	U
1,1-DICHLOROETHYLENE	0.32	U	0.32	U
1,2-DICHLOROETHANE	0.32	U	0.32	U
1,2-DICHLOROPROPANE	0.63	U	0.63	U
METHYL ETHYL KETONE	2.8	U	2.8	U
4-METHYL-2-PENTANONE	1.3	U	1.3	U
ACETONE	3.3	U	3.3	U
BENZENE	0.24	U	0.24	U
BROMODICHLOROMETHANE	0.35	U	0.35	U
BROMOMETHANE	0.78	U	0.78	U
CARBON DISULFIDE	0.39	U	0.39	U
CARBON TETRACHLORIDE	0.47	U	0.47	U
CHLOROENZENE	0.37	U	0.37	U
CHLORODIBROMOMETHANE	0.38	U	0.38	U
CHLOROETHANE	0.88	U	0.88	U
CHLOROFORM	0.58	U	0.58	U
CHLOROMETHANE	0.68	U	0.68	U
CIS-1,2-DICHLOROETHENE	0.77	U	0.77	U
CIS-1,3-DICHLOROPROPENE	0.15	U	0.15	U
METHYLENE CHLORIDE	0.62	U	2.4	J
ETHYLBENZENE	0.41	U	0.41	U
M/P-XYLENE (a)	0.96	U	0.96	U
O-XYLENE (b)	0.37	U	0.37	U
2-HEXANONE	0.66	U	0.66	U
TOLUENE	0.39	U	0.39	U
STYRENE (MONOMER)	0.34	U	0.34	U
TETRACHLOROETHENE	0.33	U	0.33	U
TRANS-1,2-DICHLOROETHENE	0.51	U	0.51	U
TRANS-1,3-DICHLOROPROPENE	0.42	U	0.42	U
BROMOFORM	0.25	U	0.25	U
TRICHLOROETHYLENE	0.67	U	0.67	U
VINYL CHLORIDE	0.27	U	0.27	U

NOTE:

ug/L: Micrograms per liters

U: Indicates the compound was analyzed for
but was not detected.

J: Indicates an estimated value

D: Indicates the compound indentified in
an analysis at a secondary dilution factor

B: Indicates the analyte was found in blank.

Summary of Total VOCs in Groundwater
Caemmerer Yard West Investigation

Table O.2-46

Location ID	SB-E-09		SB-H-21	
Sample ID	SB-E-09 (MW) (dup)		MW-1-NYDOS-092904	
Sample Date	10/6/2004		9/29/2004	
Unit	ug/L		ug/L	
1,1,1-TRICHLOROETHANE	0.41	U	0.41	U
1,1,2,2-TETRACHLOROETHANE	0.5	U	0.5	U
1,1,2-TRICHLOROETHANE	0.52	U	0.52	U
1,1-DICHLOROETHANE	0.22	U	0.22	U
1,1-DICHLOROETHYLENE	0.32	U	0.32	U
1,2-DICHLOROETHANE	0.32	U	0.32	U
1,2-DICHLOROPROPANE	0.63	U	0.63	U
METHYL ETHYL KETONE	2.8	U	2.8	U
4-METHYL-2-PENTANONE	1.3	U	1.3	U
ACETONE	3.3	U	25	J
BENZENE	0.24	U	0.24	U
BROMODICHLOROMETHANE	0.35	U	0.35	U
BROMOMETHANE	0.78	U	0.78	U
CARBON DISULFIDE	0.39	U	0.39	U
CARBON TETRACHLORIDE	0.47	U	0.47	U
CHLOROBENZENE	0.37	U	0.37	U
CHLORODIBROMOMETHANE	0.38	U	0.38	U
CHLOROETHANE	0.88	U	0.88	U
CHLOROFORM	0.58	U	1.5	J
CHLOROMETHANE	0.68	U	0.68	U
CIS-1,2-DICHLOROETHENE	0.77	U	0.77	U
CIS-1,3-DICHLOROPROPENE	0.15	U	0.15	U
METHYLENE CHLORIDE	2.7	J	0.62	U
ETHYLBENZENE	0.41	U	0.41	U
M/P-XYLENE (a)	0.96	U	0.96	U
O-XYLENE (b)	0.37	U	0.37	U
2-HEXANONE	0.66	U	0.66	U
TOLUENE	0.39	U	0.39	U
STYRENE (MONOMER)	0.34	U	0.34	U
TETRACHLOROETHENE	0.33	U	0.33	U
TRANS-1,2-DICHLOROETHENE	0.51	U	0.51	U
TRANS-1,3-DICHLOROPROPENE	0.42	U	0.42	U
BROMOFORM	0.25	U	0.25	U
TRICHLOROETHYLENE	0.67	U	0.67	U
VINYL CHLORIDE	0.27	U	0.27	U

NOTE:

ug/L: Micrograms per liters

U: Indicates the compound was analyzed for but was not detected.

J: Indicates an estimated value

D: Indicates the compound indentified in an analysis at a secondary dilution factor

B: Indicates the analyte was found in blank.

Summary of Total VOCs in Groundwater
Caemmerer Yard West Investigation

Table O.2-46

Location ID	SB-H-01		SB-H-01	
Sample ID	E-61-SW-10-04-04		E-61-SW-10-04-04DL	
Sample Date	10/4/2004		10/4/2004	
Unit	ug/L		ug/L	
1,1,1-TRICHLOROETHANE	0.41	U	41	UD
1,1,2,2-TETRACHLOROETHANE	0.5	U	50	UD
1,1,2-TRICHLOROETHANE	0.52	U	52	UD
1,1-DICHLOROETHANE	0.22	U	22	UD
1,1-DICHLOROETHYLENE	0.32	U	32	UD
1,2-DICHLOROETHANE	0.32	U	32	UD
1,2-DICHLOROPROPANE	0.63	U	63	UD
METHYL ETHYL KETONE	2.8	U	280	UD
4-METHYL-2-PENTANONE	1.3	U	130	UD
ACETONE	3.3	U	330	UD
BENZENE	710	E	1,000	D
BROMODICHLOROMETHANE	0.35	U	35	UD
BROMOMETHANE	0.78	U	78	UD
CARBON DISULFIDE	0.39	U	39	UD
CARBON TETRACHLORIDE	0.47	U	47	UD
CHLOROETHYLENE	0.37	U	37	UD
CHLORODIBROMOMETHANE	0.38	U	38	UD
CHLOROETHANE	0.88	U	88	UD
CHLOROFORM	0.58	U	58	UD
CHLOROMETHANE	0.68	U	68	UD
CIS-1,2-DICHLOROETHENE	0.77	U	130	JD
CIS-1,3-DICHLOROPROPENE	0.15	U	15	UD
METHYLENE CHLORIDE	0.62	U	62	UD
ETHYLBENZENE	2,600	E	3,600	D
M/P-XYLENE (a)	2,400	E	3,400	D
O-XYLENE (b)	1,300	E	1,500	D
2-HEXANONE	0.66	U	66	UD
TOLUENE	910	E	1,000	D
STYRENE (MONOMER)	0.34	U	34	UD
TETRACHLOROETHENE	0.33	U	33	UD
TRANS-1,2-DICHLOROETHENE	0.51	U	51	UD
TRANS-1,3-DICHLOROPROPENE	0.42	U	42	UD
BROMOFORM	0.25	U	25	UD
TRICHLOROETHYLENE	0.67	U	67	UD
VINYL CHLORIDE	0.27	U	27	UD

NOTE:

ug/L: Micrograms per liters

U: Indicates the compound was analyzed for but was not detected.

J: Indicates an estimated value

D: Indicates the compound identified in an analysis at a secondary dilution factor

B: Indicates the analyte was found in blank.

Summary of Total VOCs in Groundwater
Caemmerer Yard West Investigation

Table O.2-46

Location ID	SB-H-01		SB-H-01	
Sample ID	MW-61-SW-10-12-04		MW-61-SW-10-12-04DL	
Sample Date	10/12/2004		10/12/2004	
Unit	ug/L		ug/L	
1,1,1-TRICHLOROETHANE	0.41	U	8.2	UD
1,1,2,2-TETRACHLOROETHANE	0.5	U	10	UD
1,1,2-TRICHLOROETHANE	0.52	U	10	UD
1,1-DICHLOROETHANE	0.22	U	4.4	UD
1,1-DICHLOROETHYLENE	0.32	U	6.4	UD
1,2-DICHLOROETHANE	0.32	U	6.4	UD
1,2-DICHLOROPROPANE	0.63	U	13	UD
METHYL ETHYL KETONE	2.8	U	57	UD
4-METHYL-2-PENTANONE	1.3	U	26	UD
ACETONE	11	J	66	UD
BENZENE	120		89	JD
BROMODICHLOROMETHANE	0.35	U	7	UD
BROMOMETHANE	0.78	U	16	UD
CARBON DISULFIDE	1.2	J	7.8	UD
CARBON TETRACHLORIDE	0.47	U	9.4	UD
CHLOROBENZENE	0.37	U	7.4	UD
CHLORODIBROMOMETHANE	0.38	U	7.6	UD
CHLOROETHANE	0.88	U	18	UD
CHLOROFORM	0.58	U	12	UD
CHLOROMETHANE	0.68	U	14	UD
CIS-1,2-DICHLOROETHENE	0.77	U	15	UD
CIS-1,3-DICHLOROPROPENE	0.15	U	3	UD
METHYLENE CHLORIDE	0.62	U	45	JDB
ETHYLBENZENE	830	E	790	D
M/P-XYLENE (a)	750	E	800	D
O-XYLENE (b)	520	E	430	D
2-HEXANONE	0.66	U	13	UD
TOLUENE	320	E	250	D
STYRENE (MONOMER)	56		37	JD
TETRACHLOROETHENE	0.33	U	6.6	UD
TRANS-1,2-DICHLOROETHENE	0.51	U	10	UD
TRANS-1,3-DICHLOROPROPENE	0.42	U	8.4	UD
BROMOFORM	0.25	U	5	UD
TRICHLOROETHYLENE	0.67	U	13	UD
VINYL CHLORIDE	0.27	U	5.4	UD

NOTE:

ug/L: Micrograms per liters

U: Indicates the compound was analyzed for but was not detected.

J: Indicates an estimated value

D: Indicates the compound indentified in an analysis at a secondary dilution factor

B: Indicates the analyte was found in blank.

Summary of Total VOCs in Groundwater
Caemmerer Yard West Investigation

Table O.2-46

Location ID	SB-H-23	
Sample ID	SB-H-23(MW)-GH-10-01-04	
Sample Date	10/1/2004	
Unit	ug/L	
1,1,1-TRICHLOROETHANE	0.41	U
1,1,2,2-TETRACHLOROETHANE	0.5	U
1,1,2-TRICHLOROETHANE	0.52	U
1,1-DICHLOROETHANE	0.22	U
1,1-DICHLOROETHYLENE	0.32	U
1,2-DICHLOROETHANE	0.32	U
1,2-DICHLOROPROPANE	0.63	U
METHYL ETHYL KETONE	2.8	U
4-METHYL-2-PENTANONE	1.3	U
ACETONE	3.3	U
BENZENE	0.24	U
BROMODICHLOROMETHANE	0.35	U
BROMOMETHANE	0.78	U
CARBON DISULFIDE	0.39	U
CARBON TETRACHLORIDE	0.47	U
CHLOROBENZENE	0.37	U
CHLORODIBROMOMETHANE	0.38	U
CHLOROETHANE	0.88	U
CHLOROFORM	0.58	U
CHLOROMETHANE	0.68	U
CIS-1,2-DICHLOROETHENE	0.77	U
CIS-1,3-DICHLOROPROPENE	0.15	U
METHYLENE CHLORIDE	0.62	U
ETHYLBENZENE	0.41	U
M/P-XYLENE (a)	0.96	U
O-XYLENE (b)	0.37	U
2-HEXANONE	0.66	U
TOLUENE	0.39	U
STYRENE (MONOMER)	0.34	U
TETRACHLOROETHENE	0.33	U
TRANS-1,2-DICHLOROETHENE	0.51	U
TRANS-1,3-DICHLOROPROPENE	0.42	U
BROMOFORM	0.25	U
TRICHLOROETHYLENE	0.67	U
VINYL CHLORIDE	0.27	U

NOTE:

ug/L: Micrograms per liters

U: Indicates the compound was analyzed for
but was not detected.

J: Indicates an estimated value

D: Indicates the compound indentified in
an analysis at a secondary dilution factor

B: Indicates the analyte was found in blank.

Summary of Total SVOCs in Groundwater
Caemmerer Yard West Investigation

Table O.2-47

Location ID Sample ID Sample Date Unit	SB-H-03 MW-64-LIRR-09-29-04 9/29/2004 ug/L	SB-H-06 SB-H-06(MW)-LIRR-09-29-04 9/29/2004 ug/L
1,2,4-TRICHLOROBENZENE	0.41 U	0.41 U
CHRYSENE	0.38 U	0.39 U
1,2-DICHLOROBENZENE	0.59 U	0.59 U
1,4-DICHLOROBENZENE	0.67 U	0.68 U
2,2'-OXYBIS(1-CHLOROPROPANE)	0.83 U	0.84 U
2,4,5-TRICHLOROPHENOL	0.58 U	0.59 U
2,4,6-TRICHLOROPHENOL	0.28 U	0.29 U
2,4-DICHLOROPHENOL	0.29 U	0.29 U
2,4-DIMETHYLPHENOL	0.46 U	0.47 U
2,4-DINITROPHENOL	0.19 U	0.19 U
2,4-DINITROTOLUENE	0.34 U	0.34 U
2,6-DINITROTOLUENE	0.41 U	0.42 U
2-CHLORONAPHTHALENE	0.39 U	0.39 U
2-CHLOROPHENOL	0.73 U	0.73 U
2-METHYLNAPHTHALENE	0.5 U	0.5 U
2-METHYLPHENOL	1.1 U	1.1 U
2-NITROANILINE	0.3 U	0.3 U
2-NITROPHENOL	0.27 U	0.27 U
3,3'-DICHLOROBENZIDINE	1.6 U	1.6 U
ISOPHRONE	0.48 U	0.48 U
3-NITROANILINE	1 U	1.1 U
4,6-DINITRO-2-METHYLPHENOL	1.4 U	1.5 U
4-BROMOPHENYL PHENYL ETHER	0.17 U	0.17 U
4-CHLORO-3-METHYLPHENOL	0.3 U	0.3 U
4-CHLOROPHENYL PHENYL ETHER	0.36 U	0.37 U
4-METHYLPHENOL	1.1 U	1.1 U
4-NITROPHENOL	0.94 U	0.95 U
ACENAPHTHYLENE	0.43 U	0.44 U
ACENAPTHENE	0.24 U	0.24 U
ANTHRACENE	0.16 U	0.16 U

NOTE:

ug/L: Micrograms per liters

U: Indicates the compound was analyzed for but was not detected

J: Indicates an estimated value.

E: Indicates the analyte's concentration exceeds the calibrated range of the instrument for that specific analysis.

D: Indicates the compound indentified in an analysis at a secondary dilution factor

Summary of Total SVOCs in Groundwater
Caemmerer Yard West Investigation

Table O.2-47

Location ID	SB-H-03		SB-H-06	
Sample ID	MW-64-LIRR-09-29-04		SB-H-06(MW)-LIRR-09-29-04	
Sample Date	9/29/2004		9/29/2004	
Unit	ug/L		ug/L	
BENZO(A)ANTHRACENE	0.22	U	0.23	U
BENZO(A)PYRENE	0.45	U	0.45	U
BENZO(B)FLUORANTHENE	0.23	U	0.23	U
BENZO(G,H,I)PERYLENE	0.42	U	0.43	U
BENZO(K)FLUORANTHENE	0.38	U	0.39	U
BENZYL BUTYL PHTHALATE	0.3	U	0.3	U
BIS(2-CHLOROETHOXY)METHANE	0.44	U	0.45	U
BIS(2-CHLOROETHYL-ETHER	0.33	U	0.33	U
BIS(2-ETHYLHEXYL)PHTHALATE	2.4	J	0.35	U
CARBAZOLE	0.31	U	0.31	U
DIBENZ(A,H)ANTHRACENE	0.29	U	0.29	U
DIBENZOFURAN	0.31	U	0.32	U
DIETHYL PHTHALATE	0.34	U	0.34	U
DIMETHYL PHTHALATE	0.26	U	0.26	U
DI-N-BUTYLPHTHALATE	0.098	U	0.099	U
DI-N-OCTYL PHTHALATE	0.17	U	0.17	U
FLUORANTHENE	0.21	U	0.21	U
FLUORENE	0.17	U	0.17	U
HEXACHLORO-1,3-BUTADIENE	0.38	U	0.38	U
HEXACHLOROBENZENE	0.23	U	0.23	U
HEXACHLOROCYCLOPENTADIENE	0.45	U	0.46	U
HEXACHLOROETHANE	0.91	U	0.92	U
INDENO(1,2,3-CD)PYRENE	0.29	U	0.29	U
1,3-DICHLOROBENZENE	1	U	1	U
NAPHTHALENE	0.27	U	0.27	U
NITROBENZENE	0.38	U	0.38	U
N-NITROSODI-N-PROPYLAMINE	0.77	U	0.77	U
N-NITROSODIPHENYLAMINE	0.28	U	0.28	U
P-CHLOROANILINE	4.1	U	4.1	U
PENTACHLOROPHENOL	0.39	U	0.39	U
PHENANTHRENE	0.27	U	0.28	U
PHENOL	0.43	U	0.43	U
P-NITROANILINE	0.83	U	0.84	U
PYRENE	0.25	U	0.25	U

NOTE:

ug/L: Micrograms per liters

U: Indicates the compound was analyzed for but was not detected

J: Indicates an estimated value.

E: Indicates the analyte's concentration exceeds the calibrated range of the instrument for that specific analysis.

D: Indicates the compound indentified in an analysis at a secondary dilution factor

Summary of Total SVOCs in Groundwater
Caemmerer Yard West Investigation

Table O.2-47

Location ID	SB-H-10		SB-H-13	
Sample ID	SB-H-10(MW)-LIRR-09-29-04		SB-H-13(MW)-LIRR-10-01-04	
Sample Date	9/29/2004		10/1/2004	
Unit	ug/L		ug/L	
1,2,4-TRICHLOROBENZENE	0.42	U	0.41	U
CHRYSENE	0.39	U	0.38	U
1,2-DICHLOROBENZENE	0.6	U	0.59	U
1,4-DICHLOROBENZENE	0.69	U	0.67	U
2,2'-OXYBIS(1-CHLOROPROPANE)	0.85	U	0.83	U
2,4,5-TRICHLOROPHENOL	0.59	U	0.58	U
2,4,6-TRICHLOROPHENOL	0.29	U	0.28	U
2,4-DICHLOROPHENOL	0.29	U	0.29	U
2,4-DIMETHYLPHENOL	0.47	U	0.46	U
2,4-DINITROPHENOL	0.19	U	0.19	U
2,4-DINITROTOLUENE	0.34	U	0.34	U
2,6-DINITROTOLUENE	0.42	U	0.41	U
2-CHLORONAPHTHALENE	0.39	U	0.39	U
2-CHLOROPHENOL	0.74	U	0.73	U
2-METHYLNAPHTHALENE	0.51	U	0.5	U
2-METHYLPHENOL	1.2	U	1.1	U
2-NITROANILINE	0.3	U	0.3	U
2-NITROPHENOL	0.27	U	0.27	U
3,3'-DICHLOROBENZIDINE	1.6	U	1.6	U
ISOPHRONE	0.49	U	0.48	U
3-NITROANILINE	1.1	U	1	U
4,6-DINITRO-2-METHYLPHENOL	1.5	U	1.4	U
4-BROMOPHENYL PHENYL ETHER	0.17	U	0.17	U
4-CHLORO-3-METHYLPHENOL	0.31	U	0.3	U
4-CHLOROPHENYL PHENYL ETHER	0.37	U	0.36	U
4-METHYLPHENOL	1.1	U	1.1	U
4-NITROPHENOL	0.96	U	0.94	U
ACENAPHTHYLENE	0.44	U	0.43	U
ACENAPTHENE	0.24	U	0.24	U
ANTHRACENE	0.16	U	0.16	U

NOTE:

ug/L: Micrograms per liters

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J: Indicates an estimated value.

E: Indicates the analyte's concentration exceeds the calibrated range of the instrument for that specific analysis.

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Summary of Total SVOCs in Groundwater
Caemmerer Yard West Investigation

Table O.2-47

Location ID	SB-H-10		SB-H-13	
Sample ID	SB-H-10(MW)-LIRR-09-29-04		SB-H-13(MW)-LIRR-10-01-04	
Sample Date	9/29/2004		10/1/2004	
Unit	ug/L		ug/L	
BENZO(A)ANTHRACENE	0.23	U	0.22	U
BENZO(A)PYRENE	0.46	U	0.45	U
BENZO(B)FLUORANTHENE	0.24	U	0.23	U
BENZO(G,H,I)PERYLENE	0.43	U	0.42	U
BENZO(K)FLUORANTHENE	0.39	U	0.38	U
BENZYL BUTYL PHTHALATE	0.3	U	0.3	U
BIS(2-CHLOROETHOXY)METHANE	0.45	U	0.44	U
BIS(2-CHLOROETHYL-ETHER	0.33	U	0.33	U
BIS(2-ETHYLHEXYL)PHTHALATE	1.3	J	0.34	U
CARBAZOLE	0.31	U	0.31	U
DIBENZ(A,H)ANTHRACENE	0.3	U	0.29	U
DIBENZOFURAN	0.32	U	0.31	U
DIETHYL PHTHALATE	0.35	U	0.34	U
DIMETHYL PHTHALATE	0.26	U	0.26	U
DI-N-BUTYLPHTHALATE	0.1	U	0.098	U
DI-N-OCTYL PHTHALATE	0.18	U	0.17	U
FLUORANTHENE	0.21	U	0.21	U
FLUORENE	0.18	U	0.17	U
HEXACHLORO-1,3-BUTADIENE	0.38	U	0.38	U
HEXACHLOROBENZENE	0.24	U	0.23	U
HEXACHLOROCYCLOPENTADIENE	0.46	U	0.45	U
HEXACHLOROETHANE	0.93	U	0.91	U
INDENO(1,2,3-CD)PYRENE	0.3	U	0.29	U
1,3-DICHLOROBENZENE	1	U	1	U
NAPHTHALENE	0.27	U	0.27	U
NITROBENZENE	0.38	U	0.38	U
N-NITROSODI-N-PROPYLAMINE	0.78	U	0.77	U
N-NITROSODIPHENYLAMINE	0.29	U	0.28	U
P-CHLOROANILINE	4.2	U	4.1	U
PENTACHLOROPHENOL	0.4	U	0.39	U
PHENANTHRENE	0.28	U	0.27	U
PHENOL	0.44	U	0.43	U
P-NITROANILINE	0.85	U	0.83	U
PYRENE	0.25	U	0.25	U

NOTE:

ug/L: Micrograms per liters

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J: Indicates an estimated value.

E: Indicates the analyte's concentration exceeds the calibrated range of the instrument for that specific analysis.

D: Indicates the compound indentified in an analysis at a secondary dilution factor

Summary of Total SVOCs in Groundwater
Caemmerer Yard West Investigation

Table O.2-47

Location ID	SB-H-15		SB-H-18	
Sample ID	SB-H-15(MW)-LIRR-10-01-04		SB-H-18(MW)-LIRR-10-06-04	
Sample Date	10/1/2004		10/6/2004	
Unit	ug/L		ug/L	
1,2,4-TRICHLOROBENZENE	0.41	U	0.41	U
CHRYSENE	0.39	U	0.38	U
1,2-DICHLOROBENZENE	0.59	U	0.59	U
1,4-DICHLOROBENZENE	0.68	U	0.67	U
2,2'-OXYBIS(1-CHLOROPROPANE)	0.84	U	0.83	U
2,4,5-TRICHLOROPHENOL	0.59	U	0.58	U
2,4,6-TRICHLOROPHENOL	0.29	U	0.28	U
2,4-DICHLOROPHENOL	0.29	U	0.29	U
2,4-DIMETHYLPHENOL	0.47	U	0.46	U
2,4-DINITROPHENOL	0.19	U	0.19	U
2,4-DINITROTOLUENE	0.34	U	0.34	U
2,6-DINITROTOLUENE	0.42	U	0.41	U
2-CHLORONAPHTHALENE	0.39	U	0.39	U
2-CHLOROPHENOL	0.73	U	0.73	U
2-METHYLNAPHTHALENE	0.5	U	0.5	U
2-METHYLPHENOL	1.1	U	1.1	U
2-NITROANILINE	0.3	U	0.3	U
2-NITROPHENOL	0.27	U	0.27	U
3,3'-DICHLOROBENZIDINE	1.6	U	1.6	U
ISOPHRONE	0.48	U	0.48	U
3-NITROANILINE	1.1	U	1	U
4,6-DINITRO-2-METHYLPHENOL	1.5	U	1.4	U
4-BROMOPHENYL PHENYL ETHER	0.17	U	0.17	U
4-CHLORO-3-METHYLPHENOL	0.3	U	0.3	U
4-CHLOROPHENYL PHENYL ETHER	0.37	U	0.36	U
4-METHYLPHENOL	1.1	U	1.1	U
4-NITROPHENOL	0.95	U	0.94	U
ACENAPHTHYLENE	0.44	U	0.43	U
ACENAPTHENE	0.24	U	0.24	U
ANTHRACENE	0.16	U	0.16	U

NOTE:

ug/L: Micrograms per liters

U: Indicates the compound was analyzed for but was not detected

J: Indicates an estimated value.

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Summary of Total SVOCs in Groundwater
Caemmerer Yard West Investigation

Table O.2-47

Location ID	SB-H-15		SB-H-18	
Sample ID	SB-H-15(MW)-LIRR-10-01-04		SB-H-18(MW)-LIRR-10-06-04	
Sample Date	10/1/2004		10/6/2004	
Unit	ug/L		ug/L	
BENZO(A)ANTHRACENE	0.23	U	0.22	U
BENZO(A)PYRENE	0.45	U	0.45	U
BENZO(B)FLUORANTHENE	0.23	U	0.23	U
BENZO(G,H,I)PERYLENE	0.43	U	0.42	U
BENZO(K)FLUORANTHENE	0.39	U	0.38	U
BENZYL BUTYL PHTHALATE	0.3	U	0.3	U
BIS(2-CHLOROETHOXY)METHANE	0.45	U	0.44	U
BIS(2-CHLOROETHYL-ETHER	0.33	U	0.33	U
BIS(2-ETHYLHEXYL)PHTHALATE	1.5	J	6.1	J
CARBAZOLE	0.31	U	0.31	U
DIBENZ(A,H)ANTHRACENE	0.29	U	0.29	U
DIBENZOFURAN	0.32	U	0.31	U
DIETHYL PHTHALATE	0.34	U	0.34	U
DIMETHYL PHTHALATE	0.26	U	0.26	U
DI-N-BUTYLPHTHALATE	0.099	U	0.098	U
DI-N-OCTYL PHTHALATE	0.17	U	0.17	U
FLUORANTHENE	0.21	U	0.21	U
FLUORENE	0.17	U	0.17	U
HEXACHLORO-1,3-BUTADIENE	0.38	U	0.38	U
HEXACHLOROENZENE	0.23	U	0.23	U
HEXACHLOROCYCLOPENTADIENE	0.46	U	0.45	U
HEXACHLOROETHANE	0.92	U	0.91	U
INDENO(1,2,3-CD)PYRENE	0.29	U	0.29	U
1,3-DICHLOROBENZENE	1	U	1	U
NAPHTHALENE	0.27	U	0.27	U
NITROBENZENE	0.38	U	0.38	U
N-NITROSODI-N-PROPYLAMINE	0.77	U	0.77	U
N-NITROSODIPHENYLAMINE	0.28	U	0.28	U
P-CHLOROANILINE	4.1	U	4.1	U
PENTACHLOROPHENOL	0.39	U	0.39	U
PHENANTHRENE	0.28	U	0.27	U
PHENOL	0.43	U	0.43	U
P-NITROANILINE	0.84	U	0.83	U
PYRENE	0.25	U	0.25	U

NOTE:

ug/L: Micrograms per liters

U: Indicates the compound was analyzed for but was not detected

J: Indicates an estimated value.

E: Indicates the analyte's concentration exceeds the calibrated range of the instrument for that specific analysis.

D: Indicates the compound identified in an analysis at a secondary dilution factor

Summary of Total SVOCs in Groundwater
Caemmerer Yard West Investigation

Table O.2-47

Location ID	SB-H-21	SB-E-06
Sample ID	MW-1-NYDOS-092904	SB-E-06(MW)-NYDOS-092904
Sample Date	9/29/2004	9/29/2004
Unit	ug/L	ug/L
1,2,4-TRICHLORO BENZENE	0.41 U	0.41 U
CHRYSENE	0.38 U	0.39 U
1,2-DICHLORO BENZENE	0.59 U	0.59 U
1,4-DICHLORO BENZENE	0.67 U	0.68 U
2,2'-OXYBIS(1-CHLOROPROPANE)	0.83 U	0.84 U
2,4,5-TRICHLOROPHENOL	0.58 U	0.59 U
2,4,6-TRICHLOROPHENOL	0.28 U	0.29 U
2,4-DICHLOROPHENOL	0.29 U	0.29 U
2,4-DIMETHYLPHENOL	0.46 U	0.47 U
2,4-DINITROPHENOL	0.19 U	0.19 U
2,4-DINITROTOLUENE	0.34 U	0.34 U
2,6-DINITROTOLUENE	0.41 U	0.42 U
2-CHLORONAPHTHALENE	0.39 U	0.39 U
2-CHLOROPHENOL	0.73 U	0.73 U
2-METHYLNAPHTHALENE	0.5 U	8.4 J
2-METHYLPHENOL	1.1 U	1.1 U
2-NITROANILINE	0.3 U	0.3 U
2-NITROPHENOL	0.27 U	0.27 U
3,3'-DICHLORO BENZIDINE	1.6 U	1.6 U
ISOPHRONE	0.48 U	0.48 U
3-NITROANILINE	1 U	1.1 U
4,6-DINITRO-2-METHYLPHENOL	1.4 U	1.5 U
4-BROMOPHENYL PHENYL ETHER	0.17 U	0.17 U
4-CHLORO-3-METHYLPHENOL	0.3 U	0.3 U
4-CHLOROPHENYL PHENYL ETHER	0.36 U	0.37 U
4-METHYLPHENOL	1.8 J	1.1 U
4-NITROPHENOL	0.94 U	0.95 U
ACENAPHTHYLENE	0.43 U	0.44 U
ACENAPHTHENE	2.8 J	9 J
ANTHRACENE	0.16 U	2.1 J

NOTE:

ug/L: Micrograms per liters

U: Indicates the compound was analyzed for but was not detected

J: Indicates an estimated value.

E: Indicates the analyte's concentration exceeds the calibrated range of the instrument for that specific analysis.

D: Indicates the compound identified in an analysis at a secondary dilution factor

Summary of Total SVOCs in Groundwater
Caemmerer Yard West Investigation

Table O.2-47

Location ID	SB-H-21	SB-E-06
Sample ID	MW-1-NYDOS-092904	SB-E-06(MW)-NYDOS-092904
Sample Date	9/29/2004	9/29/2004
Unit	ug/L	ug/L
BENZO(A)ANTHRACENE	0.22 U	0.23 U
BENZO(A)PYRENE	0.45 U	0.45 U
BENZO(B)FLUORANTHENE	0.23 U	0.23 U
BENZO(G,H,I)PERYLENE	0.42 U	0.43 U
BENZO(K)FLUORANTHENE	0.38 U	0.39 U
BENZYL BUTYL PHTHALATE	0.3 U	0.3 U
BIS(2-CHLOROETHOXY)METHANE	0.44 U	0.45 U
BIS(2-CHLOROETHYL-ETHER	0.33 U	0.33 U
BIS(2-ETHYLHEXYL)PHTHALATE	4.1 J	2.1 J
CARBAZOLE	1.7 J	4.5 J
DIBENZ(A,H)ANTHRACENE	0.29 U	0.29 U
DIBENZOFURAN	0.31 U	4.5 J
DIETHYL PHTHALATE	0.34 U	0.34 U
DIMETHYL PHTHALATE	0.26 U	0.26 U
DI-N-BUTYLPHTHALATE	0.098 U	0.099 U
DI-N-OCTYL PHTHALATE	0.17 U	0.17 U
FLUORANTHENE	0.21 U	2.4 J
FLUORENE	1.2 J	7.2 J
HEXACHLORO-1,3-BUTADIENE	0.38 U	0.38 U
HEXACHLOROBENZENE	0.23 U	0.23 U
HEXACHLOROCYCLOPENTADIENE	0.45 U	0.46 U
HEXACHLOROETHANE	0.91 U	0.92 U
INDENO(1,2,3-CD)PYRENE	0.29 U	0.29 U
1,3-DICHLOROBENZENE	1 U	1 U
NAPHTHALENE	1.6 J	57
NITROBENZENE	0.38 U	0.38 U
N-NITROSODI-N-PROPYLAMINE	0.77 U	0.77 U
N-NITROSODIPHENYLAMINE	0.28 U	0.28 U
P-CHLOROANILINE	4.1 U	4.1 U
PENTACHLOROPHENOL	0.39 U	0.39 U
PHENANTHRENE	2.4 J	11
PHENOL	0.43 U	0.43 U
P-NITROANILINE	0.83 U	0.84 U
PYRENE	0.25 U	1.5 J

NOTE:

ug/L: Micrograms per liters

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E: Indicates the analyte's concentration exceeds the calibrated range of the instrument for that specific analysis.

D: Indicates the compound identified in an analysis at a secondary dilution factor

Summary of Total SVOCs in Groundwater
Caemmerer Yard West Investigation

Table O.2-47

Location ID Sample ID Sample Date Unit	SB-E-09 SB-E-09(MW)-NYDOS-10-06-04 10/6/2004 ug/L		SB-E-09 SB-E-09 (MW) (dup) 10/6/2004 ug/L	
1,2,4-TRICHLOROBENZENE	0.41	U	0.41	U
CHRYSENE	0.39	U	0.38	U
1,2-DICHLOROBENZENE	0.59	U	0.59	U
1,4-DICHLOROBENZENE	0.68	U	0.67	U
2,2'-OXYBIS(1-CHLOROPROPANE)	0.84	U	0.83	U
2,4,5-TRICHLOROPHENOL	0.59	U	0.58	U
2,4,6-TRICHLOROPHENOL	0.29	U	0.28	U
2,4-DICHLOROPHENOL	0.29	U	0.29	U
2,4-DIMETHYLPHENOL	0.47	U	0.46	U
2,4-DINITROPHENOL	0.19	U	0.19	U
2,4-DINITROTOLUENE	0.34	U	0.34	U
2,6-DINITROTOLUENE	0.42	U	0.41	U
2-CHLORONAPHTHALENE	0.39	U	0.39	U
2-CHLOROPHENOL	0.73	U	0.73	U
2-METHYLNAPHTHALENE	0.5	U	0.5	U
2-METHYLPHENOL	1.1	U	1.1	U
2-NITROANILINE	0.3	U	0.3	U
2-NITROPHENOL	0.27	U	0.27	U
3,3'-DICHLOROBENZIDINE	1.6	U	1.6	U
ISOPHRONE	0.48	U	0.48	U
3-NITROANILINE	1.1	U	1	U
4,6-DINITRO-2-METHYLPHENOL	1.5	U	1.4	U
4-BROMOPHENYL PHENYL ETHER	0.17	U	0.17	U
4-CHLORO-3-METHYLPHENOL	0.3	U	0.3	U
4-CHLOROPHENYL PHENYL ETHER	0.37	U	0.36	U
4-METHYLPHENOL	1.1	U	1.1	U
4-NITROPHENOL	0.95	U	0.94	U
ACENAPHTHYLENE	0.44	U	0.43	U
ACENAPHTHENE	0.24	U	0.24	U
ANTHRACENE	0.16	U	0.16	U

NOTE:

ug/L: Micrograms per liters

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D: Indicates the compound indentified in an analysis at a secondary dilution factor

Summary of Total SVOCs in Groundwater
Caemmerer Yard West Investigation

Table O.2-47

Location ID Sample ID Sample Date Unit	SB-E-09 SB-E-09(MW)-NYDOS-10-06-04 10/6/2004 ug/L		SB-E-09 SB-E-09 (MW) (dup) 10/6/2004 ug/L	
BENZO(A)ANTHRACENE	0.23	U	0.22	U
BENZO(A)PYRENE	0.45	U	0.45	U
BENZO(B)FLUORANTHENE	0.23	U	0.23	U
BENZO(G,H,I)PERYLENE	0.43	U	0.42	U
BENZO(K)FLUORANTHENE	0.39	U	0.38	U
BENZYL BUTYL PHTHALATE	0.3	U	0.3	U
BIS(2-CHLOROETHOXY)METHANE	0.45	U	0.44	U
BIS(2-CHLOROETHYL-ETHER	0.33	U	0.33	U
BIS(2-ETHYLHEXYL)PHTHALATE	7.7	J	12	
CARBAZOLE	0.31	U	0.31	U
DIBENZ(A,H)ANTHRACENE	0.29	U	0.29	U
DIBENZOFURAN	0.32	U	0.31	U
DIETHYL PHTHALATE	0.34	U	0.34	U
DIMETHYL PHTHALATE	0.26	U	0.26	U
DI-N-BUTYLPHTHALATE	0.099	U	0.098	U
DI-N-OCTYL PHTHALATE	0.17	U	0.17	U
FLUORANTHENE	0.21	U	0.21	U
FLUORENE	0.17	U	0.17	U
HEXACHLORO-1,3-BUTADIENE	0.38	U	0.38	U
HEXACHLOROBENZENE	0.23	U	0.23	U
HEXACHLOROCYCLOPENTADIENE	0.46	U	0.45	U
HEXACHLOROETHANE	0.92	U	0.91	U
INDENO(1,2,3-CD)PYRENE	0.29	U	0.29	U
1,3-DICHLOROBENZENE	1	U	1	U
NAPHTHALENE	0.27	U	0.27	U
NITROBENZENE	0.38	U	0.38	U
N-NITROSODI-N-PROPYLAMINE	0.77	U	0.77	U
N-NITROSODIPHENYLAMINE	0.28	U	0.28	U
P-CHLOROANILINE	4.1	U	4.1	U
PENTACHLOROPHENOL	0.39	U	0.39	U
PHENANTHRENE	0.28	U	0.27	U
PHENOL	0.43	U	0.43	U
P-NITROANILINE	0.84	U	0.83	U
PYRENE	0.25	U	0.25	U

NOTE:

ug/L: Micrograms per liters

U: Indicates the compound was analyzed for but was not detected

J: Indicates an estimated value.

E: Indicates the analyte's concentration exceeds the calibrated range of the instrument for that specific analysis.

D: Indicates the compound identified in an analysis at a secondary dilution factor

Summary of Total SVOCs in Groundwater
Caemmerer Yard West Investigation

Table O.2-47

Location ID Sample ID Sample Date Unit	SB-H-01 E-61-SW-10-04-04 10/4/2004 ug/L		SB-H-01 E-61-SW-10-04-04DL 10/4/2004 ug/L	
	1,2,4-TRICHLOROBENZENE	2	U	10
CHRYSENE	450	E	430	D
1,2-DICHLOROBENZENE	2.9	U	15	UD
1,4-DICHLOROBENZENE	3.4	U	17	UD
2,2'-OXYBIS(1-CHLOROPROPANE)	4.2	U	21	UD
2,4,5-TRICHLOROPHENOL	2.9	U	15	UD
2,4,6-TRICHLOROPHENOL	1.4	U	7.1	UD
2,4-DICHLOROPHENOL	1.4	U	7.2	UD
2,4-DIMETHYLPHENOL	2.3	U	12	UD
2,4-DINITROPHENOL	0.93	U	4.7	UD
2,4-DINITROTOLUENE	1.7	U	8.4	UD
2,6-DINITROTOLUENE	2.1	U	10	UD
2-CHLORONAPHTHALENE	1.9	U	9.6	UD
2-CHLOROPHENOL	3.6	U	18	UD
2-METHYLNAPHTHALENE	1,800	E	890	D
2-METHYLPHENOL	5.6	U	28	UD
2-NITROANILINE	1.5	U	7.4	UD
2-NITROPHENOL	1.3	U	6.7	UD
3,3'-DICHLOROBENZIDINE	7.9	U	40	UD
ISOPHRONE	2.4	U	12	UD
3-NITROANILINE	5.2	U	26	UD
4,6-DINITRO-2-METHYLPHENOL	7.2	U	36	UD
4-BROMOPHENYL PHENYL ETHER	0.85	U	4.2	UD
4-CHLORO-3-METHYLPHENOL	1.5	U	7.5	UD
4-CHLOROPHENYL PHENYL ETHER	1.8	U	9	UD
4-METHYLPHENOL	5.5	U	27	UD
4-NITROPHENOL	4.7	U	23	UD
ACENAPHTHYLENE	190		180	JD
ACENAPHTHENE	1,100	E	1,000	D
ANTHRACENE	11	J	530	D

NOTE:

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Summary of Total SVOCs in Groundwater
Caemmerer Yard West Investigation

Table O.2-47

Location ID	SB-H-01		SB-H-01	
Sample ID	E-61-SW-10-04-04		E-61-SW-10-04-04DL	
Sample Date	10/4/2004		10/4/2004	
Unit	ug/L		ug/L	
BENZO(A)ANTHRACENE	430	E	420	D
BENZO(A)PYRENE	340		330	D
BENZO(B)FLUORANTHENE	290		290	D
BENZO(G,H,I)PERYLENE	89		150	JD
BENZO(K)FLUORANTHENE	210		150	JD
BENZYL BUTYL PHTHALATE	1.5	U	7.4	UD
BIS(2-CHLOROETHOXY)METHANE	2.2	U	11	UD
BIS(2-CHLOROETHYL-ETHER	1.6	U	8.2	UD
BIS(2-ETHYLHEXYL)PHTHALATE	6.3	J	8.6	UD
CARBAZOLE	110		200	JD
DIBENZ(A,H)ANTHRACENE	12	J	7.2	UD
DIBENZOFURAN	270		270	D
DIETHYL PHTHALATE	1.7	U	8.5	UD
DIMETHYL PHTHALATE	1.3	U	6.4	UD
DI-N-BUTYLPHTHALATE	0.49	U	2.4	UD
DI-N-OCTYL PHTHALATE	0.86	U	4.3	UD
FLUORANTHENE	580	E	1,100	D
FLUORENE	650	E	540	D
HEXACHLORO-1,3-BUTADIENE	1.9	U	9.4	UD
HEXACHLOROBENZENE	1.2	U	5.8	UD
HEXACHLOROCYCLOPENTADIENE	2.3	U	11	UD
HEXACHLOROETHANE	4.6	U	23	UD
INDENO(1,2,3-CD)PYRENE	76		150	JD
1,3-DICHLOROBENZENE	5	U	25	UD
NAPHTHALENE	1,200	E	2,500	ED
NITROBENZENE	1.9	U	9.4	UD
N-NITROSODI-N-PROPYLAMINE	3.8	U	19	UD
N-NITROSODIPHENYLAMINE	1.4	U	7	UD
P-CHLOROANILINE	20	U	100	UD
PENTACHLOROPHENOL	1.9	U	9.7	UD
PHENANTHRENE	840	E	2,800	ED
PHENOL	2.1	U	11	UD
P-NITROANILINE	4.2	U	21	UD
PYRENE	1,200	E	1,400	D

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Summary of Total SVOCs in Groundwater
Caemmerer Yard West Investigation

Table O.2-47

Location ID Sample ID Sample Date Unit	SB-H-01 E-61-SW-10-04-04DL2 10/4/2004 ug/L	SB-H-01 E-61-SW-10-04-04DL3 10/4/2004 ug/L
1,2,4-TRICHLOROBENZENE	51 UD	260 UD
CHRYSENE	440 JD	240 UD
1,2-DICHLOROBENZENE	73 UD	370 UD
1,4-DICHLOROBENZENE	84 UD	420 UD
2,2'-OXYBIS(1-CHLOROPROPANE)	100 UD	520 UD
2,4,5-TRICHLOROPHENOL	73 UD	360 UD
2,4,6-TRICHLOROPHENOL	35 UD	180 UD
2,4-DICHLOROPHENOL	36 UD	180 UD
2,4-DIMETHYLPHENOL	58 UD	290 UD
2,4-DINITROPHENOL	23 UD	120 UD
2,4-DINITROTOLUENE	42 UD	210 UD
2,6-DINITROTOLUENE	52 UD	260 UD
2-CHLORONAPHTHALENE	48 UD	240 UD
2-CHLOROPHENOL	91 UD	450 UD
2-METHYLNAPHTHALENE	1,600 D	1,500 JD
2-METHYLPHENOL	140 UD	700 UD
2-NITROANILINE	37 UD	190 UD
2-NITROPHENOL	33 UD	170 UD
3,3'-DICHLOROBENZIDINE	200 UD	990 UD
ISOPHRONE	60 UD	300 UD
3-NITROANILINE	130 UD	650 UD
4,6-DINITRO-2-METHYLPHENOL	180 UD	900 UD
4-BROMOPHENYL PHENYL ETHER	21 UD	110 UD
4-CHLORO-3-METHYLPHENOL	38 UD	190 UD
4-CHLOROPHENYL PHENYL ETHER	45 UD	230 UD
4-METHYLPHENOL	140 UD	680 UD
4-NITROPHENOL	120 UD	590 UD
ACENAPHTHYLENE	190 JD	270 UD
ACENAPHTHENE	920 JD	910 JD
ANTHRACENE	520 JD	99 UD

NOTE:

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Summary of Total SVOCs in Groundwater
Caemmerer Yard West Investigation

Table O.2-47

Location ID Sample ID Sample Date Unit	SB-H-01 E-61-SW-10-04-04DL2 10/4/2004 ug/L		SB-H-01 E-61-SW-10-04-04DL3 10/4/2004 ug/L	
BENZO(A)ANTHRACENE	410	JD	140	UD
BENZO(A)PYRENE	330	JD	280	UD
BENZO(B)FLUORANTHENE	290	JD	150	UD
BENZO(G,H,I)PERYLENE	160	JD	260	UD
BENZO(K)FLUORANTHENE	150	JD	240	UD
BENZYL BUTYL PHTHALATE	37	UD	190	UD
BIS(2-CHLOROETHOXY)METHANE	55	UD	280	UD
BIS(2-CHLOROETHYL-ETHER	41	UD	200	UD
BIS(2-ETHYLHEXYL)PHTHALATE	43	UD	210	UD
CARBAZOLE	190	JD	190	UD
DIBENZ(A,H)ANTHRACENE	36	UD	180	UD
DIBENZOFURAN	270	JD	200	UD
DIETHYL PHTHALATE	42	UD	210	UD
DIMETHYL PHTHALATE	32	UD	160	UD
DI-N-BUTYLPHTHALATE	12	UD	61	UD
DI-N-OCTYL PHTHALATE	21	UD	110	UD
FLUORANTHENE	960	JD	900	JD
FLUORENE	530	JD	110	UD
HEXACHLORO-1,3-BUTADIENE	47	UD	230	UD
HEXACHLOROENZENE	29	UD	150	UD
HEXACHLOROCYCLOPENTADIENE	57	UD	280	UD
HEXACHLOROETHANE	110	UD	570	UD
INDENO(1,2,3-CD)PYRENE	36	UD	180	UD
1,3-DICHLOROENZENE	120	UD	620	UD
NAPHTHALENE	16,000	ED	17,000	D
NITROENZENE	47	UD	230	UD
N-NITROSODI-N-PROPYLAMINE	96	UD	480	UD
N-NITROSODIPHENYLAMINE	35	UD	180	UD
P-CHLOROANILINE	510	UD	2,500	UD
PENTACHLOROPHENOL	49	UD	240	UD
PHENANTHRENE	2,200	D	2,000	JD
PHENOL	54	UD	270	UD
P-NITROANILINE	100	UD	520	UD
PYRENE	1,400	D	1,400	JD

NOTE:

ug/L: Micrograms per liters

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Summary of Total SVOCs in Groundwater
Caemmerer Yard West Investigation

Table O.2-47

Location ID	SB-H-01	
Sample ID	MW-61-SW-10-12-04	
Sample Date	10/12/2004	
Unit	ug/L	
1,2,4-TRICHLOROBENZENE	0.41	U
CHRYSENE	0.39	U
1,2-DICHLOROBENZENE	0.59	U
1,4-DICHLOROBENZENE	0.68	U
2,2'-OXYBIS(1-CHLOROPROPANE)	0.84	U
2,4,5-TRICHLOROPHENOL	0.59	U
2,4,6-TRICHLOROPHENOL	0.29	U
2,4-DICHLOROPHENOL	0.29	U
2,4-DIMETHYLPHENOL	0.47	U
2,4-DINITROPHENOL	0.19	U
2,4-DINITROTOLUENE	0.34	U
2,6-DINITROTOLUENE	0.42	U
2-CHLORONAPHTHALENE	0.39	U
2-CHLOROPHENOL	0.73	U
2-METHYLNAPHTHALENE	760	E
2-METHYLPHENOL	4.6	J
2-NITROANILINE	0.3	U
2-NITROPHENOL	0.27	U
3,3'-DICHLOROBENZIDINE	1.6	U
ISOPHRONE	0.48	U
3-NITROANILINE	1.1	U
4,6-DINITRO-2-METHYLPHENOL	1.5	U
4-BROMOPHENYL PHENYL ETHER	0.17	U
4-CHLORO-3-METHYLPHENOL	0.3	U
4-CHLOROPHENYL PHENYL ETHER	0.37	U
4-METHYLPHENOL	1.1	U
4-NITROPHENOL	0.95	U
ACENAPHTHYLENE	120	E
ACENAPTHENE	98	E
ANTHRACENE	12	

NOTE:

ug/L: Micrograms per liters

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Summary of Total SVOCs in Groundwater
Caemmerer Yard West Investigation

Table O.2-47

Location ID	SB-H-01	
Sample ID	MW-61-SW-10-12-04	
Sample Date	10/12/2004	
Unit	ug/L	
BENZO(A)ANTHRACENE	1.1	J
BENZO(A)PYRENE	0.45	U
BENZO(B)FLUORANTHENE	0.23	U
BENZO(G,H,I)PERYLENE	0.43	U
BENZO(K)FLUORANTHENE	0.39	U
BENZYL BUTYL PHTHALATE	0.3	U
BIS(2-CHLOROETHOXY)METHANE	0.45	U
BIS(2-CHLOROETHYL-ETHER	0.33	U
BIS(2-ETHYLHEXYL)PHTHALATE	7.2	J
CARBAZOLE	150	E
DIBENZ(A,H)ANTHRACENE	0.29	U
DIBENZOFURAN	81	
DIETHYL PHTHALATE	0.34	U
DIMETHYL PHTHALATE	0.26	U
DI-N-BUTYLPHTHALATE	0.099	U
DI-N-OCTYL PHTHALATE	0.17	U
FLUORANTHENE	12	
FLUORENE	73	
HEXACHLORO-1,3-BUTADIENE	0.38	U
HEXACHLOROBENZENE	0.23	U
HEXACHLOROCYCLOPENTADIENE	0.46	U
HEXACHLOROETHANE	0.92	U
INDENO(1,2,3-CD)PYRENE	0.29	U
1,3-DICHLOROBENZENE	1	U
NAPHTHALENE	740	E
NITROBENZENE	0.38	U
N-NITROSODI-N-PROPYLAMINE	0.77	U
N-NITROSODIPHENYLAMINE	0.28	U
P-CHLOROANILINE	4.1	U
PENTACHLOROPHENOL	0.39	U
PHENANTHRENE	110	E
PHENOL	0.43	U
P-NITROANILINE	0.84	U
PYRENE	10	J

NOTE:

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Summary of Total SVOCs in Groundwater
Caemmerer Yard West Investigation

Table O.2-47

Location ID	SB-H-23	
Sample ID	SB-H-23(MW)-GH-10-01-04	
Sample Date	10/1/2004	
Unit	ug/L	
1,2,4-TRICHLOROBENZENE	0.41	U
CHRYSENE	0.38	U
1,2-DICHLOROBENZENE	0.59	U
1,4-DICHLOROBENZENE	0.67	U
2,2'-OXYBIS(1-CHLOROPROPANE)	0.83	U
2,4,5-TRICHLOROPHENOL	0.58	U
2,4,6-TRICHLOROPHENOL	0.28	U
2,4-DICHLOROPHENOL	0.29	U
2,4-DIMETHYLPHENOL	0.46	U
2,4-DINITROPHENOL	0.19	U
2,4-DINITROTOLUENE	0.34	U
2,6-DINITROTOLUENE	0.41	U
2-CHLORONAPHTHALENE	0.39	U
2-CHLOROPHENOL	0.73	U
2-METHYLNAPHTHALENE	0.5	U
2-METHYLPHENOL	1.1	U
2-NITROANILINE	0.3	U
2-NITROPHENOL	0.27	U
3,3'-DICHLOROBENZIDINE	1.6	U
ISOPHRONE	0.48	U
3-NITROANILINE	1	U
4,6-DINITRO-2-METHYLPHENOL	1.4	U
4-BROMOPHENYL PHENYL ETHER	0.17	U
4-CHLORO-3-METHYLPHENOL	0.3	U
4-CHLOROPHENYL PHENYL ETHER	0.36	U
4-METHYLPHENOL	1.1	U
4-NITROPHENOL	0.94	U
ACENAPHTHYLENE	0.43	U
ACENAPHTHENE	0.24	U
ANTHRACENE	0.16	U

Summary of Total SVOCs in Groundwater
Caemmerer Yard West Investigation

Table O.2-47

Location ID	SB-H-23	
Sample ID	SB-H-23(MW)-GH-10-01-04	
Sample Date	10/1/2004	
Unit	ug/L	
BENZO(A)ANTHRACENE	0.22	U
BENZO(A)PYRENE	0.45	U
BENZO(B)FLUORANTHENE	0.23	U
BENZO(G,H,I)PERYLENE	0.42	U
BENZO(K)FLUORANTHENE	0.38	U
BENZYL BUTYL PHTHALATE	0.3	U
BIS(2-CHLOROETHOXY)METHANE	0.44	U
BIS(2-CHLOROETHYL-ETHER	0.33	U
BIS(2-ETHYLHEXYL)PHTHALATE	1.1	J
CARBAZOLE	0.31	U
DIBENZ(A,H)ANTHRACENE	0.29	U
DIBENZOFURAN	0.31	U
DIETHYL PHTHALATE	0.34	U
DIMETHYL PHTHALATE	0.26	U
DI-N-BUTYLPHTHALATE	0.098	U
DI-N-OCTYL PHTHALATE	0.17	U
FLUORANTHENE	0.21	U
FLUORENE	0.17	U
HEXACHLORO-1,3-BUTADIENE	0.38	U
HEXACHLOROBENZENE	0.23	U
HEXACHLOROCYCLOPENTADIENE	0.45	U
HEXACHLOROETHANE	0.91	U
INDENO(1,2,3-CD)PYRENE	0.29	U
1,3-DICHLOROBENZENE	1	U
NAPHTHALENE	0.27	U
NITROBENZENE	0.38	U
N-NITROSODI-N-PROPYLAMINE	0.77	U
N-NITROSODIPHENYLAMINE	0.28	U
P-CHLOROANILINE	4.1	U
PENTACHLOROPHENOL	0.39	U
PHENANTHRENE	1.8	J
PHENOL	0.43	U
P-NITROANILINE	0.83	U
PYRENE	0.25	U

NOTE:

ug/L: Micrograms per liters

U: Indicates the compound was analyzed for but was not detected

J: Indicates an estimated value.

E: Indicates the analyte's concentration exceeds the calibrated range of the instrument for that specific analysis.

D: Indicates the compound identified in an analysis at a secondary dilution factor

**Summary of Total Herbicides and Pesticides in Groundwater
Caemmerer Yard West Investigation**

Table O.2-50

Location ID	SB-H-01	
Sample ID	MW-61-SW-10-12-04	
Dilution Factor	1.0	
Sample Date	10/12/2004	
Unit	ug/L	
Herbicides and Pesticides - Compound Name		
1,1,1-TRICHLORO-2,2-BIS (P-METHOXYPHENYL)-ETHANE	0.05	U
4,4'- DDD	0.03	U
4,4'-DDE	0.05	U
4,4'-DDT	0.06	U
ALDRIN	0.03	U
ALPHA- BHC	0.03	U
ALPHA- CHLORDANE	0.04	U
BETA - BHC	0.11	U
CAMPHECHLOR	0.12	U
DELTA - BHC	0.02	U
DIELDRIN	0.05	U
ENDOSULFAN I	0.04	U
ENDOSULFAN II	0.02	U
ENDOSULFAN SULFATE	0.04	U
ENDRIN	0.05	U
ENDRIN ALDEHYDE	0.04	U
ENDRIN KETONE	0.03	U
GAMMA - BHC (LINDANE)	0.03	U
GAMMA- CHLORDANE	0.04	U
HEPTACHLOR	0.05	U
HEPTACHLOR EPOXIDE	0.03	U
2,4,5-T (2,4,5-TRICHLOROPHENOXYACETIC ACID)	0.12	U
2,4-D	0.06	U
2,4-DB	0.32	U
DICAMBA	0.016	U
DICHLORPROP	0.15	U
DINITROBUTYL PHENOL	0.02	U
SILVEX	0.02	U

NOTE:

ug/L: Micrograms per liters

U: Indicates the compound was analyzed for but was not detected.

"-": Not Available

"--": Not Analyzed

Summary of Total PCBs in Groundwater
Caemmerer Yard West Investigation

Table O.2-49

Location ID	SB-H-03	SB-H-06
Sample ID	MW-64-LIRR-09-29-04	SB-H-06(MW)-LIRR-09-29-04
Sample Date	9/29/2004	9/29/2004
Unit	ug/L	ug/L
AROCLOR-1016 (PCB-1016)	0.13 U	0.13 U
AROCLOR-1221 (PCB-1221)	0.05 U	0.05 U
AROCLOR-1232 (PCB-1232)	0.05 U	0.05 U
AROCLOR-1242 (PCB-1242)	0.14 U	0.14 U
AROCLOR-1248 (PCB-1248)	0.06 U	0.06 U
AROCLOR-1254 (PCB-1254)	0.03 U	0.03 U
AROCLOR-1260 (PCB-1260)	0.063 U	0.062 U

NOTE:

ug/L: Micrograms per liters

U: Indicates the compound was analyzed for
but was not detected

dup - denotes field duplicate of preceeding sample (QA/QC)

Summary of Total PCBs in Groundwater
Caemmerer Yard West Investigation

Table O.2-49

Location ID	SB-H-10		SB-H-13	
Sample ID	SB-H-10(MW)-LIRR-09-29-04		SB-H-13(MW)-LIRR-10-01-04	
Sample Date	9/29/2004		10/1/2004	
Unit	ug/L		ug/L	
AROCLOR-1016 (PCB-1016)	0.13	U	0.13	U
AROCLOR-1221 (PCB-1221)	0.05	U	0.05	U
AROCLOR-1232 (PCB-1232)	0.05	U	0.05	U
AROCLOR-1242 (PCB-1242)	0.14	U	0.14	U
AROCLOR-1248 (PCB-1248)	0.06	U	0.06	U
AROCLOR-1254 (PCB-1254)	0.03	U	0.03	U
AROCLOR-1260 (PCB-1260)	0.063	U	0.063	U

NOTE:

ug/L: Micrograms per liters

U: Indicates the compound was analyzed for
but was not detected

dup - denotes field duplicate of preceeding sample (QA/QC)

Summary of Total PCBs in Groundwater
Caemmerer Yard West Investigation

Table O.2-49

Location ID	SB-H-15	SB-H-18
Sample ID	SB-H-15(MW)-LIRR-10-01-04	SB-H-18(MW)-LIRR-10-06-04
Sample Date	10/1/2004	10/6/2004
Unit	ug/L	ug/L
AROCLOR-1016 (PCB-1016)	0.13 U	0.13 U
AROCLOR-1221 (PCB-1221)	0.05 U	0.05 U
AROCLOR-1232 (PCB-1232)	0.05 U	0.05 U
AROCLOR-1242 (PCB-1242)	0.14 U	0.14 U
AROCLOR-1248 (PCB-1248)	0.06 U	0.06 U
AROCLOR-1254 (PCB-1254)	0.03 U	0.03 U
AROCLOR-1260 (PCB-1260)	0.062 U	0.062 U

NOTE:

ug/L: Micrograms per liters

U: Indicates the compound was analyzed for
but was not detected

dup - denotes field duplicate of preceeding sample (QA/QC)

Summary of Total PCBs in Groundwater
Caemmerer Yard West Investigation

Table O.2-49

Location ID	SB-H-21	SB-E-06
Sample ID	MW-1-NYDOS-092904	SB-E-06(MW)-NYDOS-092904
Sample Date	9/29/2004	9/29/2004
Unit	ug/L	ug/L
AROCLOR-1016 (PCB-1016)	0.13 U	0.13 U
AROCLOR-1221 (PCB-1221)	0.05 U	0.05 U
AROCLOR-1232 (PCB-1232)	0.05 U	0.05 U
AROCLOR-1242 (PCB-1242)	0.14 U	0.14 U
AROCLOR-1248 (PCB-1248)	0.06 U	0.06 U
AROCLOR-1254 (PCB-1254)	0.03 U	0.03 U
AROCLOR-1260 (PCB-1260)	0.063 U	0.063 U

NOTE:

ug/L: Micrograms per liters

U: Indicates the compound was analyzed for
but was not detected

dup - denotes field duplicate of preceeding sample (QA/QC)

Summary of Total PCBs in Groundwater
Caemmerer Yard West Investigation

Table O.2-49

Location ID	SB-E-09	SB-E-09
Sample ID	SB-E-09(MW)-NYDOS-10-06-04	DUP-GW-10-06-04
Sample Date	10/6/2004	10/6/2004
Unit	ug/L	ug/L
AROCLOR-1016 (PCB-1016)	0.13 U	0.13 U
AROCLOR-1221 (PCB-1221)	0.05 U	0.05 U
AROCLOR-1232 (PCB-1232)	0.05 U	0.05 U
AROCLOR-1242 (PCB-1242)	0.14 U	0.14 U
AROCLOR-1248 (PCB-1248)	0.06 U	0.06 U
AROCLOR-1254 (PCB-1254)	0.03 U	0.03 U
AROCLOR-1260 (PCB-1260)	0.064 U	0.062 U

NOTE:

ug/L: Micrograms per liters

U: Indicates the compound was analyzed for
but was not detected

dup - denotes field duplicate of preceeding sample (QA/QC)

Summary of Total PCBs in Groundwater
Caemmerer Yard West Investigation

Table O.2-49

Location ID	SB-H-01	SB-H-01
Sample ID	E-61-SW-10-04-04	MW-61-SW-10-12-04
Sample Date	10/4/2004	10/12/2004
Unit	ug/L	ug/L
AROCLOR-1016 (PCB-1016)	0.13 U	0.13 U
AROCLOR-1221 (PCB-1221)	0.05 U	0.05 U
AROCLOR-1232 (PCB-1232)	0.05 U	0.05 U
AROCLOR-1242 (PCB-1242)	0.14 U	0.14 U
AROCLOR-1248 (PCB-1248)	0.06 U	0.06 U
AROCLOR-1254 (PCB-1254)	0.03 U	0.03 U
AROCLOR-1260 (PCB-1260)	0.063 U	0.062 U

NOTE:

ug/L: Micrograms per liters

U: Indicates the compound was analyzed for
but was not detected

dup - denotes field duplicate of preceeding sample (QA/QC)

**Summary of Total PCBs in Groundwater
Caemmerer Yard West Investigation**

Table O.2-49

Location ID	SB-H-23	
Sample ID	SB-H-23(MW)-GH-10-01-04	
Sample Date	10/1/2004	
Unit	ug/L	
AROCLOR-1016 (PCB-1016)	0.13	U
AROCLOR-1221 (PCB-1221)	0.05	U
AROCLOR-1232 (PCB-1232)	0.05	U
AROCLOR-1242 (PCB-1242)	0.14	U
AROCLOR-1248 (PCB-1248)	0.06	U
AROCLOR-1254 (PCB-1254)	0.03	U
AROCLOR-1260 (PCB-1260)	0.064	U

NOTE:

ug/L: Micrograms per liters

U: Indicates the compound was analyzed for
but was not detected

dup - denotes field duplicate of preceding sample (QA/QC)

Summary of Total Metals in Groundwater
Caemmerer Yard West Investigation

Table O.2-48

Location ID	SB-H-03		SB-H-06	
Sample ID	MW-64-LIRR-09-29-04		SB-H-06(MW)-LIRR-09-29-04	
Sample Date	9/29/2004		9/29/2004	
Unit	ug/L		ug/L	
ALUMINUM	353		1,430	
ANTIMONY	6.6	U	6.6	U
ARSENIC	5.23	J	11.7	
BARIUM	69	J	344	
BERYLLIUM	1.06	U	1.06	U
CADMIUM	0.994	U	0.994	U
CALCIUM METAL	43,500		44,700	
CHROMIUM	1.22	U	4.24	J
COBALT	2.38	U	2.38	U
COPPER	6.73	J	12.6	J
IRON	943		6,980	
LEAD	10.6		89.8	
MAGNESIUM	5,180		6,120	
MANGANESE	269		648	
NICKEL	5.55	U	5.55	U
POTASSIUM	18,100		136,000	
SELENIUM	5.24	U	5.24	U
SILVER	3.38	U	3.38	U
SODIUM	29,300		40,000	
THALLIUM	5.78	U	5.78	U
VANADIUM	1.86	U	4.16	J
ZINC	40.1		54	
MERCURY	0.03	U	0.17	J

NOTE:

ug/L: Micrograms per liters

U: Indicates the compound was analyzed for
but was not detected

J: Indicates an estimated value

dup - denotes field duplicate for preceeding sample (QA/QC)

**Summary of Total Metals in Groundwater
Caemmerer Yard West Investigation**

Table O.2-48

Location ID	SB-H-10		SB-H-13	
Sample ID	SB-H-10(MW)-LIRR-09-29-04		SB-H-13(MW)-LIRR-10-01-04	
Sample Date	9/29/2004		10/1/2004	
Unit	ug/L		ug/L	
ALUMINUM	39,700		517	
ANTIMONY	6.6	U	6.6	U
ARSENIC	39.8		4.84	U
BARIUM	2,120		89.1	J
BERYLLIUM	2.15	J	1.06	U
CADMIUM	0.994	U	0.994	U
CALCIUM METAL	420,000		40,900	
CHROMIUM	70.3		1.73	J
COBALT	36.2	J	2.38	U
COPPER	328		7.58	J
IRON	106,000		1,760	
LEAD	1,130		19.6	
MAGNESIUM	45,400		5,480	
MANGANESE	8,870		325	
NICKEL	60.7		5.55	U
POTASSIUM	790,000	D	29,600	
SELENIUM	5.24	U	5.24	U
SILVER	4.7	J	3.38	U
SODIUM	157,000		33,100	
THALLIUM	5.78	U	5.78	U
VANADIUM	98.6		1.86	U
ZINC	295		29.2	
MERCURY	0.9		0.11	J

NOTE:

ug/L: Micrograms per liters

U: Indicates the compound was analyzed for but was not detected

J: Indicates an estimated value

dup - denotes field duplicate for preceding sample (QA/QC)

NOTE:

ug/L: Micrograms per liters

U: Indicates the compound was analyzed for but was not detected

J: Indicates an estimated value

dup - denotes field duplicate for preceding sample (QA/QC)

**Summary of Total Metals in Groundwater
Caemmerer Yard West Investigation**

Table O.2-48

Location ID	SB-H-15		SB-H-18	
Sample ID	SB-H-15(MW)-LIRR-10-01-04		SB-H-18(MW)-LIRR-10-06-04	
Sample Date	10/1/2004		10/6/2004	
Unit	ug/L		ug/L	
ALUMINUM	680		2,030	
ANTIMONY	6.6	U	6.6	UN*
ARSENIC	22.8		16.4	N
BARIUM	22.2	J	421	N
BERYLLIUM	1.06	U	1.06	U
CADMIUM	0.994	U	0.994	UN
CALCIUM METAL	26,800		111,000	
CHROMIUM	2.36	J	8.58	JN
COBALT	2.38	U	2.38	UN
COPPER	7.47	J	46.7	N
IRON	743		19,300	
LEAD	16.6		157	N*
MAGNESIUM	1,790	J	14,800	
MANGANESE	37.9		907	
NICKEL	5.55	U	5.64	JN
POTASSIUM	262,000	D	145,000	
SELENIUM	5.24	U	5.24	UN
SILVER	3.38	U	3.38	UN
SODIUM	38,300		77,800	
THALLIUM	5.78	U	5.78	UN
VANADIUM	9.07	J	4.89	JN
ZINC	26.1		105	
MERCURY	0.07	J	1.21	*

NOTE:

ug/L: Micrograms per liters

U: Indicates the compound was analyzed for but was not detected

J: Indicates an estimated value

dup - denotes field duplicate for preceding sample (QA/QC)

NOTE:

ug/L: Micrograms per liters

U: Indicates the compound was analyzed for but was not detected

J: Indicates an estimated value

dup - denotes field duplicate for preceding sample (QA/QC)

Summary of Total Metals in Groundwater
Caemmerer Yard West Investigation

Table O.2-48

Location ID	SB-H-21		SB-E-06	
Sample ID	MW-1-NYDOS-09-29-04		SB-E-06(MW)-NYDOS-092904	
Sample Date	9/29/2004		9/29/2004	
Unit	ug/L		ug/L	
ALUMINUM	863		1,350	
ANTIMONY	6.6	U	6.6	U
ARSENIC	24.2		7.96	J
BARIUM	189	J	582	
BERYLLIUM	1.06	U	1.06	U
CADMIUM	0.994	U	0.994	U
CALCIUM METAL	203,000		230,000	
CHROMIUM	2.11	J	2.44	J
COBALT	2.38	U	2.38	U
COPPER	6.85	J	9.86	J
IRON	1,070		7,470	
LEAD	19.8		47.8	
MAGNESIUM	8,890		27,800	
MANGANESE	37.2		3,880	
NICKEL	5.55	U	156	
POTASSIUM	90,800		108,000	
SELENIUM	5.24	U	5.24	U
SILVER	3.38	U	3.38	U
SODIUM	1,230,000		3,335,311	OR
THALLIUM	5.78	U	5.78	U
VANADIUM	1.86	U	5.88	J
ZINC	26.4		39.4	
MERCURY	0.18	J	0.26	

NOTE:

ug/L: Micrograms per liters

U: Indicates the compound was analyzed for but was not detected

J: Indicates an estimated value

dup - denotes field duplicate for preceding sample (QA/QC)

NOTE:

ug/L: Micrograms per liters

U: Indicates the compound was analyzed for but was not detected

J: Indicates an estimated value

dup - denotes field duplicate for preceding sample (QA/QC)

**Summary of Total Metals in Groundwater
Caemmerer Yard West Investigation**

Table O.2-48

Location ID	SB-E-09		SB-E-09	
Sample ID	SB-E-09(MW)-NYDOS-10-06-04		SB-E-09 (MW) (dup)	
Sample Date	10/6/2004		10/6/2004	
Unit	ug/L		ug/L	
ALUMINUM	12,600		13,900	
ANTIMONY	6.6	UN*	6.6	UN*
ARSENIC	9.61	JN	8.82	JN
BARIUM	374	N	392	N
BERYLLIUM	1.06	U	1.06	U
CADMIUM	0.994	UN	0.994	UN
CALCIUM METAL	107,000		109,000	
CHROMIUM	29.5	N	39.8	N
COBALT	10.7	JN	11.7	JN
COPPER	78.7	N	83.9	N
IRON	22,200		23,800	
LEAD	265	N	288	N
MAGNESIUM	27,400		28,200	
MANGANESE	1,590		1,640	
NICKEL	27.2	JN	35	JN
POTASSIUM	51,800		52,700	
SELENIUM	5.24	UN	5.24	UN
SILVER	3.38	UN	3.38	UN
SODIUM	407,000		415,000	
THALLIUM	5.78	UN	5.78	UN
VANADIUM	35.6	JN	39.3	JN
ZINC	101		106	
MERCURY	0.61		0.6	

NOTE:

ug/L: Micrograms per liters

U: Indicates the compound was analyzed for but was not detected

J: Indicates an estimated value

dup - denotes field duplicate for preceding sample (QA/QC)

NOTE:

ug/L: Micrograms per liters

U: Indicates the compound was analyzed for but was not detected

J: Indicates an estimated value

dup - denotes field duplicate for preceding sample (QA/QC)

**Summary of Total Metals in Groundwater
Caemmerer Yard West Investigation**

Table O.2-48

Location ID	SB-H-01		SB-H-01	
Sample ID	E-61-SW-10-04-04 DL		MW-61-SW-10-12-04	
Sample Date	10/4/2004		10/12/2004	
Unit	ug/L		ug/L	
ALUMINUM	923,000	D	6,680	
ANTIMONY	6.6	U	6.6	U
ARSENIC	246		12	
BARIUM	15,100		394	
BERYLLIUM	51.6		1.06	U
CADMIUM	0.994	U	0.994	U
CALCIUM METAL	4,200,000	D	183,000	
CHROMIUM	1,950		14.2	
COBALT	734		9.35	J
COPPER	5,730		35.7	
IRON	1,600,000	D	13,400	
LEAD	15,300		214	
MAGNESIUM	609,000		59,600	
MANGANESE	56,700	D	756	
NICKEL	1,460		18	J
POTASSIUM	291,000	D	78,100	D
SELENIUM	58.6		5.24	U
SILVER	3.38	U	3.38	U
SODIUM	626,000		383,000	
THALLIUM	5.78	U	6.6	J
VANADIUM	2,010		16.1	J
ZINC	6,970		83	
MERCURY	45.6	D	1.05	

NOTE:

ug/L: Micrograms per liters

U: Indicates the compound was analyzed for but was not detected

J: Indicates an estimated value

dup - denotes field duplicate for preceding sample (QA/QC)

NOTE:

ug/L: Micrograms per liters

U: Indicates the compound was analyzed for but was not detected

J: Indicates an estimated value

dup - denotes field duplicate for preceding sample (QA/QC)

**Summary of Total Metals in Groundwater
Caemmerer Yard West Investigation**

Table O.2-48

Location ID	SB-H-23	
Sample ID	SB-H-23(MW)-GH-10-01-04	
Sample Date	10/1/2004	
Unit	ug/L	
ALUMINUM	507	
ANTIMONY	6.6	U
ARSENIC	4.84	U
BARIUM	211	
BERYLLIUM	1.06	U
CADMIUM	0.994	U
CALCIUM METAL	133,000	
CHROMIUM	1.22	J
COBALT	2.38	U
COPPER	7.84	J
IRON	18,200	
LEAD	24	
MAGNESIUM	27,000	
MANGANESE	1,140	
NICKEL	5.55	U
POTASSIUM	55,800	
SELENIUM	5.24	U
SILVER	3.38	U
SODIUM	497,000	
THALLIUM	5.78	U
VANADIUM	1.86	U
ZINC	30.5	
MERCURY	0.03	U

NOTE:

ug/L: Micrograms per liters

U: Indicates the compound was analyzed for but was not detected

J: Indicates an estimated value

dup - denotes field duplicate for preceding sample (QA/QC)

NOTE:

ug/L: Micrograms per liters

U: Indicates the compound was analyzed for but was not detected

J: Indicates an estimated value

dup - denotes field duplicate for preceding sample (QA/QC)

**Summary of NYCDEP Limitations for Effluent
to Sanitary or Combined Sewers
Caemmerer Yard West Investigation**

Table O.2-51

Sample ID	SB-H-06		SB-H-10	
Lab ID	SB-H-06(MW)-LIRR-09-29-04		SB-H-10(MW)-LIRR-09-29-04	
Date Collected	9/29/2004		9/29/2004	
Matrix	Water		Water	
Groundwater Characteristics				
pH		NA		NA
Flash Point		NA		NA
Compounds (ug/L)				
Benzene	0.24	U	0.24	U
Ethylbenzene	0.41	U	0.41	U
Toluene	0.39	U	0.39	U
Xylenes (Total)	1.33		1.33	
Cadmium	0.994	U	0.994	U
Chromium (VI)	4.24	J	70.3	
Copper	12.6	J	328	
Lead	89.8		1130	
Mercury	0.17	J	0.9	
Nickel	5.55	U	60.7	
Zinc	54		295	
PCBs	1U		1U	
Perc (Tetrachloroethene)	0.33	U	0.33	U
MTBE (Methyl-tert-butyl-ether)	NA		NA	
Naphthalene	0.27	U	0.27	U

NOTE:

U- Parameter not detected at method detection level

F- Fahrenheit

ug/L - micrograms per liter

NA - Not analyzed

* - Instantaneous daily limit

** - Composite daily limit

J - compound detected below the
quantitation limits

U: Indicates the compound was analyzed for
but was not detected.

N: Indicates presumptive evidence of a compound

**Summary of NYCDEP Limitations for Effluent
to Sanitary or Combined Sewers
Caemmerer Yard West Investigation**

Table O.2-51

Sample ID	SB-H-13		SB-H-15	
Lab ID	SB-H-13(MW)-LIRR-10-01-04		SB-H-15(MW)-LIRR-10-01-04	
Date Collected	10/1/2004		10/1/2004	
Matrix	Water		Water	
Groundwater Characteristics				
pH	NA		NA	
Flash Point	NA		NA	
Compounds (ug/L)				
Benzene	0.24	U	1.7	J
Ethylbenzene	0.41	U	0.41	U
Toluene	0.39	U	0.39	U
Xylenes (Total)	1.33		1.33	
Cadmium	0.994	U	0.994	U
Chromium (VI)	1.73	J	2.36	J
Copper	7.58	J	7.47	J
Lead	19.6		16.6	
Mercury	0.11	J	0.07	J
Nickel	5.55	U	5.55	U
Zinc	29.2		26.1	
PCBs	1U		1U	
Perc (Tetrachloroethene)	0.33	U	0.33	U
MTBE (Methyl-tert-butyl-ether)	NA		NA	
Naphthalene	0.27	U	0.27	U

NOTE:

U- Parameter not detected at method detection level

F- Fahrenheit

ug/L - micrograms per liter

NA - Not analyzed

* - Instantaneous daily limit

** - Composite daily limit

J - compound detected below the quantitation limits

U: Indicates the compound was analyzed for but was not detected.

N: Indicates presumptive evidence of a compound

**Summary of NYCDEP Limitations for Effluent
to Sanitary or Combined Sewers
Caemmerer Yard West Investigation**

Table O.2-51

Sample ID	SB-H-18		SB-H-03	
Lab ID	SB-H-18(MW)-LIRR-10-06-04		MW-64-LIRR-09-29-04	
Date Collected	10/6/2004		9/29/2004	
Matrix	Water		Water	
Groundwater Characteristics				
pH	NA		NA	
Flash Point	NA		NA	
Compounds (ug/L)				
Benzene	0.24	U	0.24	U
Ethylbenzene	0.41	U	0.41	U
Toluene	0.39	U	0.39	U
Xylenes (Total)	1.33		1.33	
Cadmium	0.994	UN	0.994	U
Chromium (VI)	8.58	JN	1.22	U
Copper	46.7	N	6.73	J
Lead	157	N	10.6	
Mercury	1.21		0.03	U
Nickel	5.64	JN	5.55	U
Zinc	105		40.1	
PCBs	1U		1U	
Perc (Tetrachloroethene)	0.33	U	0.33	U
MTBE (Methyl-tert-butyl-ether)	NA		NA	
Naphthalene	0.27	U	0.27	U

NOTE:

U- Parameter not detected at method detection level

F- Fahrenheit

ug/L - micrograms per liter

NA - Not analyzed

* - Instantaneous daily limit

** - Composite daily limit

J - compound detected below the
quantitation limits

U: Indicates the compound was analyzed for
but was not detected.

N: Indicates presumptive evidence of a compound

**Summary of NYCDEP Limitations for Effluent
to Sanitary or Combined Sewers
Caemmerer Yard West Investigation**

Table O.2-51

Sample ID	SB-E-06	SB-E-09
Lab ID	SB-E-06(MW)-NYDOS-092904	SB-E-09(MW)-NYDOS-10-06-04
Date Collected	9/29/2004	10/6/2004
Matrix	Water	Water
Groundwater Characteristics		
pH	NA	NA
Flash Point	NA	NA
Compounds (ug/L)		
Benzene	0.24 U	0.24 U
Ethylbenzene	0.41 U	0.41 U
Toluene	0.39 U	0.39 U
Xylenes (Total)	1.33	1.33
Cadmium	0.994 U	0.994 UN
Chromium (VI)	2.44 J	29.5 N
Copper	9.86 J	78.7 N
Lead	47.8	265 N
Mercury	0.26	0.61
Nickel	156	27.2 JN
Zinc	39.4	101
PCBs	1U	1U
Perc (Tetrachloroethene)	0.33 U	0.33 U
MTBE (Methyl-tert-butyl-ether)	NA	NA
Naphthalene	57	0.27 U

NOTE:

U- Parameter not detected at method detection level

F- Fahrenheit

ug/L - micrograms per liter

NA - Not analyzed

* - Instantaneous daily limit

** - Composite daily limit

J - compound detected below the
quantitation limits

U: Indicates the compound was analyzed for
but was not detected.

N: Indicates presumptive evidence of a compound

**Summary of NYCDEP Limitations for Effluent
to Sanitary or Combined Sewers
Caemmerer Yard West Investigation**

Table O.2-51

Sample ID	SB-E-09	SB-H-01
Lab ID	DUP-GW-10-06-04	E-61-SW-10-04-04DL
Date Collected	10/6/2004	10/4/2004
Matrix	Water	Water
Groundwater Characteristics		
pH	NA	NA
Flash Point	NA	NA
Compounds (ug/L)		
Benzene	0.24 U	1000 D
Ethylbenzene	0.41 U	3600 D
Toluene	0.39 U	1000 D
Xylenes (Total)	1.33	4900
Cadmium	0.994 UN	0.994 U
Chromium (VI)	39.8 N	1950
Copper	83.9 N	5730
Lead	288 N	15300
Mercury	0.6	45.6 D ¹⁰
Nickel	35 JN	1460
Zinc	106	6970
PCBs	1U	1U
Perc (Tetrachloroethene)	0.33 U	33 UD
MTBE (Methyl-tert-butyl-ether)	NA	NA
Naphthalene	0.27 U	1200 E

NOTE:

U- Parameter not detected at method detection level

F- Fahrenheit

ug/L - micrograms per liter

NA - Not analyzed

* - Instantaneous daily limit

** - Composite daily limit

J - compound detected below the
quantitation limits

U: Indicates the compound was analyzed for
but was not detected.

N: Indicates presumptive evidence of a compound

Summary of NYCDEP Limitations for Effluent
to Sanitary or Combined Sewers
Caemmerer Yard West Investigation

Table O.2-51

Sample ID	SB-H-01	SB-H-23
Lab ID	MW-61-SW-10-12-04DL	SB-H-23(MW)-GH-10-01-04
Date Collected	10/12/2004	10/1/2004
Matrix	Water	Water
Groundwater Characteristics		
pH	NA	NA
Flash Point	NA	NA
Compounds (ug/L)		
Benzene	89 JD	0.24 U
Ethylbenzene	790 D	0.41 U
Toluene	250 D	0.39 U
Xylenes (Total)	1230	1.33
Cadmium	0.994 U	0.994 U
Chromium (VI)	14.2	1.22 J
Copper	35.7	7.84 J
Lead	214	24
Mercury	1.05	0.03 U
Nickel	18 J	5.55 U
Zinc	83	30.5
PCBs	1U	1U
Perc (Tetrachloroethene)	6.6 UD	0.33 U
MTBE (Methyl-tert-butyl-ether)	NA	NA
Naphthalene	2500 ED	17000 D

NOTE:

U- Parameter not detected at method detection level

F- Fahrenheit

ug/L - micrograms per liter

NA - Not analyzed

* - Instantaneous daily limit

** - Composite daily limit

J - compound detected below the quantitation limits

U: Indicates the compound was analyzed for but was not detected.

N: Indicates presumptive evidence of a compound

Summary of Total VOCs in Soil
Caemmerer Yard East Investigation

Table O.2-52

Sample ID	SB-HE-04 0-2'	SB-HE-04 4-6'	SB-HE-04 12-13.5'	SB-HE-05 0-2'
Lab ID	N80264-1	N80264-2	N80264-3	N80264-4
Matrix	SOIL	SOIL	SOIL	SOIL
Sample Depth	0-2'	4-6'	12-13.5'	0-2'
Unit	ug/kg	ug/kg	ug/kg	ug/kg
1,1,1-Trichloroethane	0.46 U	0.49 U	0.51 U	0.46 U
1,1,2,2-Tetrachloroethane	0.36 U	0.38 U	0.39 U	0.35 U
1,1,2-Trichloroethane	0.38 U	0.4 U	0.42 U	0.38 U
1,1-Dichloroethane	0.31 U	0.32 U	0.34 U	0.3 U
1,1-Dichloroethene	0.7 U	0.74 U	0.77 U	0.7 U
1,2-Dichloroethane	0.28 U	0.29 U	0.31 U	0.27 U
1,2-Dichloropropane	0.94 U	0.99 U	1 U	0.93 U
2-Butanone (MEK)	4.6 U	4.9 U	5.1 U	4.6 U
2-Hexanone	1.2 U	1.2 U	1.3 U	1.1 U
4-Methyl-2-pentanone(MIBK)	1.2 U	1.3 U	1.4 U	1.2 U
Acetone	1.5 U	1.6 U	1.7 U	1.5 U
Benzene	0.25 U	0.27 U	0.28 U	0.25 U
Bromodichloromethane	0.16 U	0.16 U	0.17 U	0.15 U
Bromoform	0.69 U	0.73 U	0.76 U	0.68 U
Bromomethane	1.1 U	1.1 U	1.2 U	1.1 U
Carbon disulfide	0.69 U	0.73 U	0.76 U	0.68 U
Carbon tetrachloride	1.2 U	1.3 U	1.3 U	1.2 U
Chlorobenzene	0.27 U	0.29 U	0.3 U	0.27 U
Chloroethane	1.1 U	1.1 U	1.2 U	1.1 U
Chloroform	0.46 U	0.49 U	0.51 U	0.46 U
Chloromethane	0.8 U	0.85 U	0.88 U	0.79 U
cis-1,2-Dichloroethene	0.39 U	0.41 U	0.43 U	0.38 U
cis-1,3-Dichloropropene	0.31 U	0.32 U	0.34 U	0.3 U
Dibromochloromethane	0.55 U	0.58 U	0.61 U	0.55 U
Ethylbenzene	0.6 U	0.64 U	0.66 U	0.6 U
Methylene chloride	0.4 U	0.42 U	0.44 U	0.39 U
Styrene	0.34 U	0.36 U	0.38 U	0.34 U
Tetrachloroethene	0.45 U	0.48 U	0.5 U	0.45 U
Toluene	0.24 U	0.26 U	0.27 U	0.24 U
trans-1,2-Dichloroethene	0.39 U	0.41 U	0.42 U	0.38 U
trans-1,3-Dichloropropene	0.45 U	0.48 U	0.5 U	0.45 U
Trichloroethene	0.4 U	0.43 U	0.45 U	0.4 U
Vinyl chloride	0.74 U	0.78 U	0.81 U	0.73 U
Xylene (total)	0.45 U	0.47 U	0.49 U	0.44 U

NOTE:

ug/kg - micrograms per kilogram

U - Analyte not detected at method detection limit

B - Analyte detected in the associated method blank

Summary of Total VOCs in Soil
Caemmerer Yard East Investigation

Table O.2-52

Sample ID	SB-HE-05 4-6'	SB-HE-05 6-7'	SB-HE-06 2-4'	SB-HE-06 4-6'
Lab ID	N80264-5	N80264-6	N80264-7	N80264-8
Matrix	SOIL	SOIL	SOIL	SOIL
Sample Depth	4-6'	6-7'	4-6'	4-6'
Unit	uk/kg	uk/kg	uk/kg	uk/kg
1,1,1-Trichloroethane	0.49 U	0.52 U	0.51 U	0.49 U
1,1,2,2-Tetrachloroethane	0.37 U	0.4 U	0.39 U	0.38 U
1,1,2-Trichloroethane	0.4 U	0.43 U	0.42 U	0.4 U
1,1-Dichloroethane	0.32 U	0.34 U	0.34 U	0.32 U
1,1-Dichloroethene	0.74 U	0.79 U	0.77 U	0.74 U
1,2-Dichloroethane	0.29 U	0.31 U	0.3 U	0.29 U
1,2-Dichloropropane	0.98 U	1 U	1 U	0.98 U
2-Butanone (MEK)	4.9 U	5.2 U	5.1 U	4.9 U
2-Hexanone	1.2 U	1.3 U	1.3 U	1.2 U
4-Methyl-2-pentanone(MIBK)	1.3 U	1.4 U	1.3 U	1.3 U
Acetone	1.6 U	1.7 U	1.7 U	1.6 U
Benzene	0.26 U	0.28 U	0.28 U	0.26 U
Bromodichloromethane	0.16 U	0.17 U	0.17 U	0.16 U
Bromoform	0.72 U	0.77 U	0.75 U	0.72 U
Bromomethane	1.1 U	1.2 U	1.2 U	1.1 U
Carbon disulfide	0.72 U	0.77 U	0.75 U	0.72 U
Carbon tetrachloride	1.2 U	1.3 U	1.3 U	1.2 U
Chlorobenzene	0.28 U	0.3 U	0.3 U	0.28 U
Chloroethane	1.1 U	1.2 U	1.2 U	1.1 U
Chloroform	0.48 U	0.52 U	0.51 U	0.49 U
Chloromethane	0.84 U	0.9 U	0.87 U	0.84 U
cis-1,2-Dichloroethene	0.41 U	0.44 U	0.43 U	0.41 U
cis-1,3-Dichloropropene	0.32 U	0.34 U	0.33 U	0.32 U
Dibromochloromethane	0.58 U	0.62 U	0.6 U	0.58 U
Ethylbenzene	0.63 U	0.67 U	0.66 U	0.63 U
Methylene chloride	0.42 U	0.45 U	0.43 U	0.42 U
Styrene	0.36 U	0.38 U	0.38 U	0.36 U
Tetrachloroethene	0.47 U	0.51 U	0.5 U	0.48 U
Toluene	0.25 U	0.27 U	0.27 U	0.26 U
trans-1,2-Dichloroethene	0.4 U	0.43 U	0.42 U	0.4 U
trans-1,3-Dichloropropene	0.47 U	0.51 U	0.49 U	0.47 U
Trichloroethene	0.42 U	0.45 U	0.44 U	0.42 U
Vinyl chloride	0.77 U	0.82 U	0.8 U	0.77 U
Xylene (total)	0.47 U	0.5 U	0.49 U	0.47 U

NOTE:

ug/kg - micrograms per kilogram

U - Analyte not detected at method detection limit

B - Analyte detected in the background

Summary of Total VOCs in Soil
Caemmerer Yard East Investigation

Table O.2-52

Sample ID	SB-HE-06 10-12'	SB-EE-01 14'-16'
Lab ID	N80264-9	N78545-5
Matrix	SOIL	SOIL
Sample Depth	10-12'	14'-16'
Unit	ug/kg	ug/kg
1,1,1-Trichloroethane	0.52 U	0.6 U
1,1,2,2-Tetrachloroethane	0.4 U	0.46 U
1,1,2-Trichloroethane	0.42 U	0.49 U
1,1-Dichloroethane	0.34 U	0.39 U
1,1-Dichloroethene	0.78 U	0.9 U
1,2-Dichloroethane	0.31 U	0.36 U
1,2-Dichloropropane	1 U	1.2 U
2-Butanone (MEK)	5.2 U	6 U
2-Hexanone	1.3 U	1.5 U
4-Methyl-2-pentanone(MIBK)	1.4 U	1.6 U
Acetone	1.7 U	1.9 U
Benzene	0.28 U	0.32 U
Bromodichloromethane	0.17 U	0.2 U
Bromoform	0.77 U	0.89 U
Bromomethane	1.2 U	1.4 U
Carbon disulfide	0.77 U	0.88 U
Carbon tetrachloride	1.3 U	1.5 U
Chlorobenzene	0.3 U	0.35 U
Chloroethane	1.2 U	1.4 U
Chloroform	0.52 U	0.59 U
Chloromethane	0.89 U	1 U
cis-1,2-Dichloroethene	0.43 U	0.5 U
cis-1,3-Dichloropropene	0.34 U	0.39 U
Dibromochloromethane	0.62 U	0.71 U
Ethylbenzene	0.67 U	1.2 J
Methylene chloride	0.44 U	0.51 U
Styrene	0.38 U	0.44 U
Tetrachloroethene	0.51 U	0.58 U
Toluene	0.27 U	0.31 U
trans-1,2-Dichloroethene	0.43 U	0.49 U
trans-1,3-Dichloropropene	0.5 U	0.58 U
Trichloroethene	0.45 U	0.52 U
Vinyl chloride	0.82 U	0.94 U
Xylene (total)	0.5 U	4.4

NOTE:

ug/kg - micrograms per kilogram

U - Analyte not detected at measurement level

B - Analyte detected in the background

Summary of Total VOCs in Soil
Caemmerer Yard East Investigation

Table O.2-52

Sample ID	SB-EE-01 2'-4'	SB-EE-02 0'-2'	SB-EE-02 14'-16'	SB-EE-03 16'-18'
Lab ID	N78384-1	N78545-4	N78651-3	N78921-2
Matrix	SOIL	SOIL	SOIL	SOIL
Sample Depth	2'-4'	0'-2'	14'-16'	16'-18'
Unit	ug/kg	ug/kg	ug/kg	ug/kg
1,1,1-Trichloroethane	0.55 U	0.58 U	0.61 U	0.54 U
1,1,2,2-Tetrachloroethane	0.42 U	0.45 U	0.47 U	0.42 U
1,1,2-Trichloroethane	0.45 U	0.48 U	0.5 U	0.44 U
1,1-Dichloroethane	0.36 U	0.39 U	0.4 U	0.36 U
1,1-Dichloroethene	0.83 U	0.88 U	0.92 U	0.82 U
1,2-Dichloroethane	0.33 U	0.35 U	0.36 U	0.32 U
1,2-Dichloropropane	1.1 U	1.2 U	1.2 U	1.1 U
2-Butanone (MEK)	5.5 U	5.8 U	6.1 U	5.4 U
2-Hexanone	1.4 U	1.5 U	1.5 U	1.4 U
4-Methyl-2-pentanone(MIBK)	1.5 U	1.5 U	1.6 U	1.4 U
Acetone	1.8 U	1.9 U	2 U	1.8 U
Benzene	0.99 J	0.32 U	0.33 U	0.29 U
Bromodichloromethane	0.18 U	0.19 U	0.2 U	0.18 U
Bromoform	0.81 U	0.87 U	0.9 U	0.81 U
Bromomethane	1.3 U	1.3 U	1.4 U	1.2 U
Carbon disulfide	0.81 U	0.86 U	0.9 U	0.8 U
Carbon tetrachloride	1.4 U	1.5 U	1.6 U	1.4 U
Chlorobenzene	0.32 U	0.34 U	0.35 U	0.32 U
Chloroethane	1.3 U	1.4 U	1.4 U	1.3 U
Chloroform	1.7 J	0.58 U	0.6 U	0.54 U
Chloromethane	0.94 U	1 U	1 U	0.94 U
cis-1,2-Dichloroethene	0.46 U	0.49 U	0.51 U	0.45 U
cis-1,3-Dichloropropene	0.36 U	0.38 U	0.4 U	0.36 U
Dibromochloromethane	0.65 U	0.69 U	0.72 U	0.65 U
Ethylbenzene	0.71 U	0.76 U	0.79 U	0.7 U
Methylene chloride	0.47 U	0.5 U	0.52 U	33.6
Styrene	0.4 U	0.43 U	0.45 U	0.4 U
Tetrachloroethene	0.54 U	0.57 U	0.59 U	0.53 U
Toluene	0.29 U	0.31 U	1 J	0.28 U
trans-1,2-Dichloroethene	0.46 U	0.48 U	0.5 U	0.45 U
trans-1,3-Dichloropropene	0.53 U	0.57 U	0.59 U	0.53 U
Trichloroethene	0.48 U	0.51 U	0.53 U	0.47 U
Vinyl chloride	0.87 U	0.92 U	0.96 U	0.86 U
Xylene (total)	0.53 U	0.56 U	0.59 U	0.52 U

NOTE:

ug/kg - micrograms per kilogram

U - Analyte not detected at measurement level

B - Analyte detected in the background

Summary of Total VOCs in Soil
Caemmerer Yard East Investigation

Table O.2-52

Sample ID	SB-EE-03 22-24'	SB-EE-04 14-16'	SB-EE-04 24-26'	SB-EE-04 6-8'
Lab ID	N78921-3	N78921-5	N78921-6	N78921-4
Matrix	SOIL	SOIL	SOIL	SOIL
Sample Depth	22'-24'	14'-16'	24'-26'	6'-8'
Unit	ug/kg	ug/kg	ug/kg	ug/kg
1,1,1-Trichloroethane	0.56 U	0.57 U	0.57 U	0.48 U
1,1,1,2,2-Tetrachloroethane	0.43 U	0.44 U	0.44 U	0.37 U
1,1,2-Trichloroethane	0.46 U	0.47 U	0.46 U	0.4 U
1,1-Dichloroethane	0.37 U	0.38 U	0.38 U	0.32 U
1,1-Dichloroethene	0.85 U	0.87 U	0.86 U	0.73 U
1,2-Dichloroethane	0.34 U	0.34 U	0.34 U	0.29 U
1,2-Dichloropropane	1.1 U	1.2 U	1.1 U	0.97 U
2-Butanone (MEK)	5.6 U	5.7 U	5.7 U	4.8 U
2-Hexanone	1.4 U	1.4 U	1.4 U	1.2 U
4-Methyl-2-pentanone(MIBK)	1.5 U	1.5 U	1.5 U	1.3 U
Acetone	1.8 U	1.9 U	1.9 U	1.6 U
Benzene	0.3 U	0.31 U	0.31 U	0.26 U
Bromodichloromethane	0.19 U	0.19 U	0.19 U	0.16 U
Bromoform	0.84 U	0.85 U	0.84 U	0.72 U
Bromomethane	1.3 U	1.3 U	1.3 U	1.1 U
Carbon disulfide	0.83 U	0.85 U	4.1 J	0.72 U
Carbon tetrachloride	1.4 U	1.5 U	1.5 U	1.2 U
Chlorobenzene	0.33 U	0.33 U	0.33 U	0.28 U
Chloroethane	1.3 U	1.3 U	1.3 U	1.1 U
Chloroform	0.56 U	0.57 U	0.57 U	0.48 U
Chloromethane	0.97 U	0.98 U	0.98 U	0.83 U
cis-1,2-Dichloroethene	0.47 U	0.48 U	0.48 U	0.4 U
cis-1,3-Dichloropropene	0.37 U	0.38 U	0.37 U	0.32 U
Dibromochloromethane	0.67 U	0.68 U	0.68 U	0.57 U
Ethylbenzene	0.73 U	0.74 U	0.74 U	0.63 U
Methylene chloride	14.6	0.49 U	3.2 J	7.5
Styrene	0.42 U	0.42 U	0.42 U	0.36 U
Tetrachloroethene	0.55 U	0.56 U	0.55 U	0.47 U
Toluene	0.29 U	0.3 U	0.3 U	0.25 U
trans-1,2-Dichloroethene	0.47 U	0.47 U	0.47 U	0.4 U
trans-1,3-Dichloropropene	0.55 U	0.56 U	0.55 U	0.47 U
Trichloroethene	0.49 U	0.5 U	0.49 U	0.42 U
Vinyl chloride	0.89 U	0.91 U	0.9 U	0.76 U
Xylene (total)	0.54 U	0.55 U	0.55 U	0.47 U

NOTE:

ug/kg - micrograms per kilogram

U - Analyte not detected at method detection limit

B - Analyte detected in the background

Summary of Total VOCs in Soil
Caemmerer Yard East Investigation

Table O.2-52

Sample ID	SB-EE-05 0-2'	SB-EE-05 12'-14'	SB-EE-05 22'-24'	SB-EE-06 12-14'
Lab ID	N79268-6	N79408-1	N79408-2	N78921-11
Matrix	SOIL	SOIL	SOIL	SOIL
Sample Depth	0'-2'	12'-14'	22'-24'	12'-14'
Unit	ug/kg	ug/kg	ug/kg	ug/kg
1,1,1-Trichloroethane	0.55 U	0.53 U	0.61 U	0.57 U
1,1,2,2-Tetrachloroethane	0.43 U	0.41 U	0.47 U	0.44 U
1,1,2-Trichloroethane	0.45 U	0.44 U	0.5 U	0.47 U
1,1-Dichloroethane	0.36 U	0.35 U	0.4 U	0.38 U
1,1-Dichloroethene	0.84 U	0.81 U	0.92 U	0.87 U
1,2-Dichloroethane	0.33 U	0.32 U	0.36 U	0.34 U
1,2-Dichloropropane	1.1 U	1.1 U	1.2 U	1.2 U
2-Butanone (MEK)	5.5 U	5.3 U	6.1 U	5.7 U
2-Hexanone	1.4 U	1.3 U	1.5 U	1.4 U
4-Methyl-2-pentanone(MIBK)	1.5 U	1.4 U	1.6 U	1.5 U
Acetone	1.8 U	1.7 U	2 U	23.1
Benzene	0.3 U	0.29 U	0.33 U	0.31 U
Bromodichloromethane	0.18 U	0.18 U	0.2 U	0.19 U
Bromoform	0.82 U	0.79 U	0.9 U	0.85 U
Bromomethane	1.3 U	1.2 U	1.4 U	1.3 U
Carbon disulfide	0.82 U	0.79 U	0.9 U	1.4 J
Carbon tetrachloride	1.4 U	1.4 U	1.6 U	1.5 U
Chlorobenzene	0.32 U	0.31 U	0.35 U	0.33 U
Chloroethane	1.3 U	1.2 U	1.4 U	1.3 U
Chloroform	0.55 U	0.53 U	0.6 U	0.57 U
Chloromethane	0.95 U	0.92 U	1 U	0.99 U
cis-1,2-Dichloroethene	0.46 U	0.45 U	4.9 J	0.48 U
cis-1,3-Dichloropropene	0.36 U	0.35 U	0.4 U	0.38 U
Dibromochloromethane	0.66 U	0.64 U	0.72 U	0.68 U
Ethylbenzene	0.71 U	0.69 U	0.78 U	0.74 U
Methylene chloride	0.47 U	0.46 U	0.52 U	21.2
Styrene	0.41 U	0.39 U	0.45 U	0.42 U
Tetrachloroethene	0.54 U	0.52 U	0.59 U	0.56 U
Toluene	0.29 U	0.28 U	0.32 U	0.3 U
trans-1,2-Dichloroethene	0.46 U	0.44 U	0.5 U	0.48 U
trans-1,3-Dichloropropene	0.54 U	0.52 U	0.59 U	0.56 U
Trichloroethene	0.48 U	0.47 U	0.53 U	0.5 U
Vinyl chloride	0.87 U	0.85 U	0.96 U	0.91 U
Xylene (total)	0.53 U	0.52 U	0.58 U	0.55 U

NOTE:

ug/kg - micrograms per kilogram

U - Analyte not detected at method detection limit

B - Analyte detected in the background

Summary of Total VOCs in Soil
Caemmerer Yard East Investigation

Table O.2-52

Sample ID	SB-EE-06 8-10'	SB-HE-07 0-2'	SB-HE-07 2-3'	SB-HE-08 0-2'
Lab ID	N78921-10	N79713-6	N79713-7	N79713-4
Matrix	SOIL	SOIL	SOIL	SOIL
Sample Depth	8-10'	0'-2'	2'-3'	0'-2'
Unit	uk/kg	uk/kg	uk/kg	uk/kg
1,1,1-Trichloroethane	0.55 U	0.45 U	0.49 U	N/A
1,1,2,2-Tetrachloroethane	0.43 U	0.35 U	0.38 U	N/A
1,1,2-Trichloroethane	0.45 U	0.37 U	0.4 U	N/A
1,1-Dichloroethane	0.37 U	0.3 U	0.33 U	N/A
1,1-Dichloroethene	0.84 U	0.69 U	0.75 U	N/A
1,2-Dichloroethane	0.33 U	0.27 U	0.29 U	N/A
1,2-Dichloropropane	1.1 U	0.91 U	0.99 U	N/A
2-Butanone (MEK)	5.5 U	4.5 U	4.9 U	N/A
2-Hexanone	1.4 U	1.1 U	1.2 U	N/A
4-Methyl-2-pentanone(MIBK)	1.5 U	1.2 U	1.3 U	N/A
Acetone	7.1 J	10.9	8.9 J	N/A
Benzene	0.3 U	0.25 U	0.27 U	N/A
Bromodichloromethane	0.19 U	0.15 U	0.16 U	N/A
Bromoform	0.82 U	0.67 U	0.73 U	N/A
Bromomethane	1.3 U	1 U	1.1 U	N/A
Carbon disulfide	2.4 J	0.67 U	0.73 U	N/A
Carbon tetrachloride	1.4 U	1.2 U	1.3 U	N/A
Chlorobenzene	0.32 U	0.26 U	0.29 U	N/A
Chloroethane	1.3 U	1.1 U	1.2 U	N/A
Chloroform	0.55 U	0.45 U	0.49 U	N/A
Chloromethane	0.95 U	0.78 U	0.85 U	N/A
cis-1,2-Dichloroethene	0.46 U	0.38 U	0.41 U	N/A
cis-1,3-Dichloropropene	0.37 U	0.3 U	0.33 U	N/A
Dibromochloromethane	0.66 U	0.54 U	0.59 U	N/A
Ethylbenzene	0.72 U	0.59 U	0.64 U	N/A
Methylene chloride	28.4	0.39 U	0.42 U	N/A
Styrene	0.41 U	0.33 U	0.36 U	N/A
Tetrachloroethene	0.54 U	0.44 U	0.48 U	N/A
Toluene	0.29 U	0.24 U	0.26 U	N/A
trans-1,2-Dichloroethene	0.46 U	0.38 U	0.41 U	N/A
trans-1,3-Dichloropropene	0.54 U	0.44 U	0.48 U	N/A
Trichloroethene	0.48 U	0.39 U	0.43 U	N/A
Vinyl chloride	0.88 U	0.72 U	0.78 U	N/A
Xylene (total)	0.53 U	0.44 U	0.48 U	N/A

NOTE:

ug/kg - micrograms per kilogram

U - Analyte not detected at method detection limit

B - Analyte detected in the background

Summary of Total VOCs in Soil
Caemmerer Yard East Investigation

Table O.2-52

Sample ID	SB-HE-08 0-2'	SB-HE-09 2-4'	SB-HE-09 8-9'	SB-HE-10 0-2'
Lab ID	N79713-5	N79580-4	N79580-5	N79713-1
Matrix	SOIL	SOIL	SOIL	SOIL
Sample Depth	0'-2'	2'-4'	8'-9'	0'-2'
Unit	ug/kg	ug/kg	ug/kg	ug/kg
1,1,1-Trichloroethane	0.57 U	0.42 U	0.49 U	0.53 U
1,1,2,2-Tetrachloroethane	0.44 U	0.32 U	0.38 U	0.41 U
1,1,2-Trichloroethane	0.47 U	0.34 U	0.4 U	0.43 U
1,1-Dichloroethane	0.38 U	0.28 U	0.33 U	0.35 U
1,1-Dichloroethene	0.86 U	0.63 U	0.74 U	0.8 U
1,2-Dichloroethane	0.34 U	0.25 U	0.29 U	0.32 U
1,2-Dichloropropane	1.1 U	0.84 U	0.99 U	1.1 U
2-Butanone (MEK)	5.7 U	4.2 U	4.9 U	5.3 U
2-Hexanone	1.4 U	1 U	1.2 U	1.3 U
4-Methyl-2-pentanone(MIBK)	1.5 U	1.1 U	1.3 U	1.4 U
Acetone	1.9 U	11.4	1.6 U	1.7 U
Benzene	0.31 U	0.23 U	0.27 U	0.29 U
Bromodichloromethane	0.19 U	0.14 U	0.16 U	0.18 U
Bromoform	0.85 U	0.62 U	0.73 U	0.79 U
Bromomethane	1.3 U	0.96 U	1.1 U	1.2 U
Carbon disulfide	0.84 U	0.62 U	0.73 U	0.78 U
Carbon tetrachloride	1.5 U	1.1 U	1.3 U	1.4 U
Chlorobenzene	0.33 U	0.24 U	0.29 U	0.31 U
Chloroethane	1.3 U	0.97 U	1.1 U	1.2 U
Chloroform	0.57 U	0.42 U	0.49 U	0.53 U
Chloromethane	0.98 U	0.72 U	0.85 U	0.91 U
cis-1,2-Dichloroethene	0.48 U	0.35 U	0.41 U	0.44 U
cis-1,3-Dichloropropene	0.38 U	0.28 U	0.32 U	0.35 U
Dibromochloromethane	0.68 U	0.5 U	0.59 U	0.63 U
Ethylbenzene	0.74 U	0.54 U	0.64 U	0.69 U
Methylene chloride	0.49 U	0.36 U	0.42 U	0.45 U
Styrene	0.42 U	0.31 U	0.36 U	0.39 U
Tetrachloroethene	0.56 U	0.41 U	0.48 U	0.52 U
Toluene	1.2 J	0.22 U	0.26 U	0.28 U
trans-1,2-Dichloroethene	0.47 U	0.35 U	0.41 U	0.44 U
trans-1,3-Dichloropropene	0.55 U	0.41 U	0.48 U	0.51 U
Trichloroethene	0.5 U	0.36 U	0.43 U	0.46 U
Vinyl chloride	0.9 U	0.66 U	0.78 U	0.84 U
Xylene (total)	0.55 U	0.4 U	0.47 U	0.51 U

NOTE:

ug/kg - micrograms per kilogram

U - Analyte not detected at measurement depth

B - Analyte detected in the assessment

Summary of Total VOCs in Soil
Caemmerer Yard East Investigation

Table O.2-52

Sample ID	SB-HE-10 4-6'	SB-HE-55 4-6' (dup)	SB-HE-11 0'-2'	SB-HE-11 1'-2'
Lab ID	N79713-2	N79713-3	N78384-4	N78305-5
Matrix	SOIL	SOIL	SOIL	SOIL
Sample Depth	4'-6'	4'-6'	0'-2'	1'-2'
Unit	ug/kg	ug/kg	ug/kg	ug/kg
1,1,1-Trichloroethane	0.72 U	0.55 U	4.2 U	0.53 U
1,1,2,2-Tetrachloroethane	0.56 U	0.43 U	3.2 U	0.41 U
1,1,2-Trichloroethane	0.59 U	0.45 U	3.4 U	0.43 U
1,1-Dichloroethane	0.48 U	0.37 U	2.7 U	0.35 U
1,1-Dichloroethene	1.1 U	0.84 U	6.3 U	0.8 U
1,2-Dichloroethane	0.43 U	0.33 U	2.5 U	0.32 U
1,2-Dichloropropane	1.5 U	1.1 U	8.4 U	1.1 U
2-Butanone (MEK)	7.2 U	5.5 U	42 U	5.3 U
2-Hexanone	1.8 U	1.4 U	10 U	1.3 U
4-Methyl-2-pentanone(MIBK)	1.9 U	1.5 U	11 U	1.4 U
Acetone	2.4 U	1.8 U	14 U	15.6
Benzene	0.39 U	0.3 U	2.3 U	0.29 U
Bromodichloromethane	0.24 U	0.18 U	1.4 U	0.18 U
Bromoform	1.1 U	0.82 U	6.2 U	0.79 U
Bromomethane	1.6 U	1.3 U	9.5 U	1.2 U
Carbon disulfide	1.1 U	0.82 U	6.1 U	0.79 U
Carbon tetrachloride	1.8 U	1.4 U	11 U	1.4 U
Chlorobenzene	0.42 U	0.32 U	2.4 U	0.31 U
Chloroethane	1.7 U	1.3 U	9.7 U	1.2 U
Chloroform	0.72 U	0.55 U	4.1 U	0.53 U
Chloromethane	1.2 U	0.95 U	7.2 U	0.91 U
cis-1,2-Dichloroethene	0.6 U	0.46 U	3.5 U	0.44 U
cis-1,3-Dichloropropene	0.47 U	0.36 U	2.7 U	0.35 U
Dibromochloromethane	0.86 U	0.66 U	4.9 U	0.63 U
Ethylbenzene	0.93 U	0.72 U	5.4 U	0.69 U
Methylene chloride	0.62 U	0.47 U	36.2 J	7.4
Styrene	0.53 U	0.41 U	3.1 U	0.39 U
Tetrachloroethene	0.7 U	0.54 U	4.1 U	0.52 U
Toluene	0.38 U	0.29 U	2.2 U	0.28 U
trans-1,2-Dichloroethene	0.6 U	0.46 U	3.5 U	0.44 U
trans-1,3-Dichloropropene	0.7 U	0.54 U	4 U	0.52 U
Trichloroethene	0.63 U	0.48 U	3.6 U	0.46 U
Vinyl chloride	1.1 U	0.87 U	6.6 U	0.84 U
Xylene (total)	0.7 U	0.53 U	4 U	0.51 U

NOTE:

ug/kg - micrograms per kilogram

U - Analyte not detected at method detection limit

B - Analyte detected in the background

Summary of Total VOCs in Soil
Caemmerer Yard East Investigation

Table O.2-52

Sample ID	SB-HE-11 12'-14'	SB-HE-11 20'-23'	SB-HE-11 2'-4'	SB-HE-11 4'-6'
Lab ID	N78384-7	N78384-8	N78384-5	N78384-6
Matrix	SOIL	SOIL	SOIL	SOIL
Sample Depth	12'-14'	20'-23'	2'-4'	4'-6'
Unit	ug/kg	ug/kg	ug/kg	ug/kg
1,1,1-Trichloroethane	0.57 U	0.56 U	0.59 U	0.55 U
1,1,2,2-Tetrachloroethane	0.44 U	0.43 U	0.46 U	0.42 U
1,1,2-Trichloroethane	0.47 U	0.46 U	0.49 U	0.45 U
1,1-Dichloroethane	0.38 U	0.37 U	0.39 U	0.36 U
1,1-Dichloroethene	0.87 U	0.85 U	0.9 U	0.83 U
1,2-Dichloroethane	0.34 U	0.34 U	0.36 U	0.33 U
1,2-Dichloropropane	1.2 U	1.1 U	1.2 U	1.1 U
2-Butanone (MEK)	5.7 U	5.6 U	5.9 U	5.5 U
2-Hexanone	1.4 U	1.4 U	1.5 U	1.4 U
4-Methyl-2-pentanone(MIBK)	1.5 U	1.5 U	1.6 U	1.5 U
Acetone	21.1	1.8 U	1.9 U	1.8 U
Benzene	0.31 U	0.31 U	0.32 U	0.3 U
Bromodichloromethane	0.19 U	0.19 U	0.2 U	0.18 U
Bromoform	0.85 U	0.84 U	0.88 U	0.81 U
Bromomethane	1.3 U	1.3 U	1.4 U	1.3 U
Carbon disulfide	0.85 U	4.2	0.88 U	0.81 U
Carbon tetrachloride	1.5 U	1.4 U	1.5 U	1.4 U
Chlorobenzene	0.33 U	0.33 U	0.35 U	0.32 U
Chloroethane	1.3 U	1.3 U	1.4 U	1.3 U
Chloroform	0.57 U	0.56 U	1.4 J	0.55 U
Chloromethane	0.99 U	0.97 U	1 U	0.94 U
cis-1,2-Dichloroethene	0.48 U	0.47 U	0.5 U	0.46 U
cis-1,3-Dichloropropene	0.38 U	0.37 U	0.39 U	0.36 U
Dibromochloromethane	0.68 U	0.67 U	0.71 U	0.65 U
Ethylbenzene	0.74 U	0.73 U	0.77 U	0.71 U
Methylene chloride	0.49 U	0.48 U	7.1	0.47 U
Styrene	0.42 U	0.42 U	0.44 U	0.4 U
Tetrachloroethene	0.56 U	0.55 U	0.58 U	0.53 U
Toluene	0.3 U	0.3 U	0.31 U	0.29 U
trans-1,2-Dichloroethene	0.48 U	0.47 U	0.49 U	0.45 U
trans-1,3-Dichloropropene	0.56 U	0.55 U	0.58 U	0.53 U
Trichloroethene	0.5 U	0.49 U	0.52 U	0.48 U
Vinyl chloride	0.91 U	0.89 U	0.94 U	0.87 U
Xylene (total)	0.55 U	0.54 U	1.4 J	0.53 U

NOTE:

ug/kg - micrograms per kilogram

U - Analyte not detected at method detection limit

B - Analyte detected in the background

Summary of Total VOCs in Soil
Caemmerer Yard East Investigation

Table O.2-52

Sample ID	SB-HE-13 10'-12'	SB-HE-13 2'-4'	SB-HE-13 4'-6'	SB-HE-13 6'-8'
Lab ID	N78545-9	N78545-1	N78545-2	N78545-3
Matrix	SOIL	SOIL	SOIL	SOIL
Sample Depth	10'-12'	2'-4'	4'-6'	6'-8'
Unit	ug/kg	ug/kg	ug/kg	ug/kg
1,1,1-Trichloroethane	0.47 U	0.54 U	0.52 U	0.55 U
1,1,2,2-Tetrachloroethane	0.36 U	0.41 U	0.4 U	0.42 U
1,1,2-Trichloroethane	0.39 U	0.44 U	0.43 U	0.45 U
1,1-Dichloroethane	0.31 U	0.35 U	0.35 U	0.36 U
1,1-Dichloroethene	0.71 U	0.81 U	0.79 U	0.83 U
1,2-Dichloroethane	0.28 U	0.32 U	0.31 U	0.33 U
1,2-Dichloropropane	0.95 U	1.1 U	1.1 U	1.1 U
2-Butanone (MEK)	4.7 U	5.4 U	5.2 U	5.5 U
2-Hexanone	1.2 U	1.3 U	1.3 U	1.4 U
4-Methyl-2-pentanone(MIBK)	1.3 U	1.4 U	1.4 U	1.5 U
Acetone	6 J	1.8 U	1.7 U	1.8 U
Benzene	0.26 U	0.29 U	0.28 U	0.3 U
Bromodichloromethane	0.16 U	0.18 U	0.17 U	0.18 U
Bromoform	0.7 U	0.8 U	0.78 U	0.81 U
Bromomethane	1.1 U	1.2 U	1.2 U	1.3 U
Carbon disulfide	3.6 J	0.79 U	0.77 U	0.81 U
Carbon tetrachloride	1.2 U	1.4 U	1.3 U	1.4 U
Chlorobenzene	0.27 U	0.31 U	0.3 U	0.32 U
Chloroethane	1.1 U	1.3 U	1.2 U	1.3 U
Chloroform	0.47 U	0.53 U	0.52 U	0.55 U
Chloromethane	0.81 U	0.92 U	0.9 U	0.94 U
cis-1,2-Dichloroethene	0.4 U	0.45 U	0.44 U	0.46 U
cis-1,3-Dichloropropene	0.31 U	0.35 U	0.34 U	0.36 U
Dibromochloromethane	0.56 U	0.64 U	0.62 U	0.65 U
Ethylbenzene	0.61 U	0.69 U	0.68 U	0.71 U
Methylene chloride	0.4 U	0.46 U	0.45 U	0.47 U
Styrene	0.35 U	0.4 U	0.39 U	0.4 U
Tetrachloroethene	0.46 U	0.52 U	0.51 U	0.53 U
Toluene	0.25 U	0.28 U	0.27 U	0.29 U
trans-1,2-Dichloroethene	0.39 U	0.45 U	0.43 U	0.45 U
trans-1,3-Dichloropropene	0.46 U	0.52 U	0.51 U	0.53 U
Trichloroethene	0.41 U	0.47 U	0.46 U	0.48 U
Vinyl chloride	0.75 U	0.85 U	0.83 U	0.87 U
Xylene (total)	0.46 U	0.52 U	1.2 J	0.53 U

NOTE:

ug/kg - micrograms per kilogram

U - Analyte not detected at measurement depth

B - Analyte detected in the background

Summary of Total VOCs in Soil
Caemmerer Yard East Investigation

Table O.2-52

Sample ID	SB-HE-14/0-2	SB-HE-15 28-30'	SB-HE-15 6-8'	SB-HE-16
Lab ID	N79714-1	N79519-4	N79519-2	N78305-4
Matrix	SOIL	SOIL	SOIL	SOIL
Sample Depth	0'-2'	28'-30'	6'-8'	12'-14'
Unit	uk/kg	uk/kg	uk/kg	uk/kg
1,1,1-Trichloroethane	0.87 U	0.53 U	0.5 U	0.76 U
1,1,2,2-Tetrachloroethane	0.67 U	0.41 U	0.39 U	0.58 U
1,1,2-Trichloroethane	0.72 U	0.43 U	0.41 U	0.62 U
1,1-Dichloroethane	0.58 U	0.35 U	0.33 U	0.5 U
1,1-Dichloroethene	1.3 U	0.8 U	0.76 U	1.1 U
1,2-Dichloroethane	0.52 U	0.32 U	0.3 U	0.45 U
1,2-Dichloropropane	1.8 U	1.1 U	1 U	1.5 U
2-Butanone (MEK)	8.7 U	5.3 U	5 U	7.6 U
2-Hexanone	2.2 U	1.3 U	1.2 U	1.9 U
4-Methyl-2-pentanone(MIBK)	2.3 U	1.4 U	1.3 U	2 U
Acetone	2.9 U	1.7 U	1.6 U	2.5 U
Benzene	0.47 U	0.29 U	0.27 U	0.41 U
Bromodichloromethane	0.29 U	0.18 U	0.17 U	0.25 U
Bromoform	1.3 U	0.79 U	0.74 U	1.1 U
Bromomethane	2 U	1.2 U	1.1 U	1.7 U
Carbon disulfide	1.3 U	0.78 U	0.74 U	1.1 U
Carbon tetrachloride	2.2 U	1.4 U	1.3 U	1.9 U
Chlorobenzene	0.51 U	0.31 U	0.29 U	0.44 U
Chloroethane	2 U	1.2 U	1.2 U	1.8 U
Chloroform	0.87 U	0.53 U	0.5 U	0.76 U
Chloromethane	1.5 U	0.91 U	0.86 U	1.3 U
cis-1,2-Dichloroethene	0.73 U	0.44 U	0.42 U	0.63 U
cis-1,3-Dichloropropene	0.58 U	0.35 U	0.33 U	0.5 U
Dibromochloromethane	1 U	0.63 U	0.59 U	0.9 U
Ethylbenzene	1.1 U	0.68 U	0.65 U	0.98 U
Methylene chloride	0.75 U	0.45 U	0.43 U	0.65 U
Styrene	0.65 U	0.39 U	0.37 U	0.56 U
Tetrachloroethene	0.85 U	0.52 U	0.49 U	0.74 U
Toluene	0.46 U	0.28 U	0.26 U	0.4 U
trans-1,2-Dichloroethene	0.73 U	0.44 U	0.42 U	0.63 U
trans-1,3-Dichloropropene	0.85 U	0.51 U	0.49 U	0.74 U
Trichloroethene	0.76 U	0.46 U	0.44 U	0.66 U
Vinyl chloride	1.4 U	0.84 U	0.79 U	1.2 U
Xylene (total)	3.3 J	0.51 U	3.2	0.73 U

NOTE:

ug/kg - micrograms per kilogram

U - Analyte not detected at measurement level

B - Analyte detected in the background

**Summary of Total VOCs in Soil
Caemmerer Yard East Investigation**

Table O.2-52

Sample ID	SB-HE-16	SB-HE-16	SB-HE-16	SB-HE-18 10'-12'
Lab ID	N78305-1	N78305-2	N78305-3	N78776-5
Matrix	SOIL	SOIL	SOIL	SOIL
Sample Depth	1'-2'	4'-6'	17'-19'	10'-12'
Unit	ug/kg	ug/kg	ug/kg	ug/kg
1,1,1-Trichloroethane	0.51 U	0.54 U	0.55 U	0.54 U
1,1,2,2-Tetrachloroethane	0.4 U	0.42 U	0.43 U	0.42 U
1,1,2-Trichloroethane	0.42 U	0.45 U	0.45 U	0.44 U
1,1-Dichloroethane	0.34 U	0.36 U	0.37 U	0.36 U
1,1-Dichloroethene	0.78 U	0.83 U	0.84 U	0.82 U
1,2-Dichloroethane	0.31 U	0.33 U	0.33 U	0.32 U
1,2-Dichloropropane	1 U	1.1 U	1.1 U	1.1 U
2-Butanone (MEK)	5.1 U	5.4 U	5.5 U	5.4 U
2-Hexanone	1.3 U	1.4 U	1.4 U	1.3 U
4-Methyl-2-pentanone(MIBK)	1.4 U	1.4 U	1.5 U	1.4 U
Acetone	6.9 J	1.8 U	1.8 U	7.5 J
Benzene	0.28 U	0.3 U	0.3 U	0.29 U
Bromodichloromethane	0.17 U	0.18 U	0.19 U	0.18 U
Bromoform	0.76 U	0.81 U	0.82 U	0.8 U
Bromomethane	1.2 U	1.2 U	1.3 U	1.2 U
Carbon disulfide	0.76 U	0.81 U	0.82 U	1.6 J
Carbon tetrachloride	1.3 U	1.4 U	1.4 U	1.4 U
Chlorobenzene	0.3 U	0.32 U	0.32 U	0.31 U
Chloroethane	1.2 U	1.3 U	1.3 U	1.3 U
Chloroform	0.51 U	0.54 U	0.55 U	0.54 U
Chloromethane	0.88 U	0.94 U	0.95 U	0.93 U
cis-1,2-Dichloroethene	0.43 U	0.46 U	0.46 U	0.45 U
cis-1,3-Dichloropropene	0.34 U	0.36 U	0.37 U	0.35 U
Dibromochloromethane	0.61 U	0.65 U	0.66 U	0.64 U
Ethylbenzene	0.66 U	0.71 U	0.72 U	0.7 U
Methylene chloride	19.3	15	0.47 U	11
Styrene	0.38 U	0.4 U	0.41 U	0.4 U
Tetrachloroethene	0.5 U	0.53 U	0.54 U	0.53 U
Toluene	0.27 U	0.29 U	0.29 U	0.28 U
trans-1,2-Dichloroethene	0.43 U	0.45 U	0.46 U	0.45 U
trans-1,3-Dichloropropene	0.5 U	0.53 U	0.54 U	0.52 U
Trichloroethene	0.45 U	0.47 U	0.48 U	0.47 U
Vinyl chloride	0.81 U	0.86 U	0.88 U	0.85 U
Xylene (total)	0.5 U	1.7 J	0.53 U	0.52 U

NOTE:

ug/kg - micrograms per kilogram

U - Analyte not detected at method detection limit

B - Analyte detected in the background

**Summary of Total VOCs in Soil
Caemmerer Yard East Investigation**

Table O.2-52

Sample ID	SB-HE-18 16'-18'	SB-HE-18 2'-4'	SB-HE-18 6'-8'	SB-HE-18 8'-10'
Lab ID	N78776-6	N78384-3	N78776-3	N78776-4
Matrix	SOIL	SOIL	SOIL	SOIL
Sample Depth	16'-18'	2'-4'	6'-8'	8'-10'
Unit	ug/kg	ug/kg	ug/kg	ug/kg
1,1,1-Trichloroethane	0.56 U	0.6 U	0.58 U	0.56 U
1,1,2,2-Tetrachloroethane	0.43 U	0.46 U	0.44 U	0.43 U
1,1,2-Trichloroethane	0.46 U	0.49 U	0.47 U	0.46 U
1,1-Dichloroethane	0.37 U	0.39 U	0.38 U	0.37 U
1,1-Dichloroethene	0.84 U	0.9 U	0.87 U	0.85 U
1,2-Dichloroethane	0.33 U	0.36 U	0.34 U	0.34 U
1,2-Dichloropropane	1.1 U	1.2 U	1.2 U	1.1 U
2-Butanone (MEK)	5.6 U	6 U	5.8 U	5.6 U
2-Hexanone	1.4 U	1.5 U	1.4 U	1.4 U
4-Methyl-2-pentanone(MIBK)	1.5 U	1.6 U	1.5 U	1.5 U
Acetone	1.8 U	1.9 U	1.9 U	1.8 U
Benzene	0.3 U	0.32 U	0.31 U	0.31 U
Bromodichloromethane	0.19 U	0.2 U	0.19 U	0.19 U
Bromoform	0.83 U	0.89 U	0.86 U	0.84 U
Bromomethane	1.3 U	1.4 U	1.3 U	1.3 U
Carbon disulfide	0.82 U	0.88 U	4.2 J	0.83 U
Carbon tetrachloride	1.4 U	1.5 U	1.5 U	1.4 U
Chlorobenzene	0.32 U	0.35 U	0.33 U	0.33 U
Chloroethane	1.3 U	1.4 U	1.3 U	1.3 U
Chloroform	0.56 U	0.59 U	0.57 U	0.56 U
Chloromethane	0.96 U	1 U	0.99 U	0.97 U
cis-1,2-Dichloroethene	0.47 U	0.5 U	0.48 U	0.47 U
cis-1,3-Dichloropropene	0.37 U	0.39 U	0.38 U	0.37 U
Dibromochloromethane	0.66 U	0.71 U	0.68 U	0.67 U
Ethylbenzene	0.72 U	0.77 U	0.75 U	0.73 U
Methylene chloride	0.48 U	2.3 J	54.5	12.9
Styrene	0.41 U	0.44 U	0.43 U	0.42 U
Tetrachloroethene	0.54 U	0.58 U	0.56 U	0.55 U
Toluene	0.29 U	0.31 U	0.3 U	0.3 U
trans-1,2-Dichloroethene	0.46 U	0.49 U	0.48 U	0.47 U
trans-1,3-Dichloropropene	0.54 U	0.58 U	0.56 U	0.55 U
Trichloroethene	0.49 U	0.52 U	0.5 U	0.49 U
Vinyl chloride	0.88 U	0.94 U	0.91 U	0.89 U
Xylene (total)	0.54 U	0.57 U	3.5	0.54 U

NOTE:

ug/kg - micrograms per kilogram

U - Analyte not detected at measurement level

B - Analyte detected in the background

Summary of Total VOCs in Soil
Caemmerer Yard East Investigation

Table O.2-52

Sample ID	SB-HE-19 12'-14'	SB-HE-19 20'-21'	SB-HE-19 2'-4'	SB-HE-19 4'-6'
Lab ID	N78651-5	N78651-6	N78545-7	N78545-8
Matrix	SOIL	SOIL	SOIL	SOIL
Sample Depth	12'-14'	20'-21'	2'-4'	4'-6'
Unit	ug/kg	ug/kg	ug/kg	ug/kg
1,1,1-Trichloroethane	0.62 U	0.65 U	0.53 U	0.52 U
1,1,2,2-Tetrachloroethane	0.48 U	0.5 U	0.41 U	0.4 U
1,1,2-Trichloroethane	0.5 U	0.53 U	0.44 U	0.43 U
1,1-Dichloroethane	0.41 U	0.43 U	0.35 U	0.35 U
1,1-Dichloroethene	0.93 U	0.99 U	0.81 U	0.79 U
1,2-Dichloroethane	0.37 U	0.39 U	0.32 U	0.31 U
1,2-Dichloropropane	1.2 U	1.3 U	1.1 U	1.1 U
2-Butanone (MEK)	6.2 U	6.5 U	5.3 U	5.2 U
2-Hexanone	1.5 U	1.6 U	1.3 U	1.3 U
4-Methyl-2-pentanone(MIBK)	1.6 U	1.7 U	1.4 U	1.4 U
Acetone	2 U	21.7	1.7 U	1.7 U
Benzene	0.33 U	0.35 U	0.29 U	0.28 U
Bromodichloromethane	0.21 U	0.22 U	0.18 U	0.17 U
Bromoform	0.92 U	0.97 U	0.79 U	0.78 U
Bromomethane	1.4 U	1.5 U	1.2 U	1.2 U
Carbon disulfide	0.91 U	0.96 U	0.79 U	0.78 U
Carbon tetrachloride	1.6 U	1.7 U	1.4 U	1.3 U
Chlorobenzene	0.36 U	0.38 U	0.31 U	0.3 U
Chloroethane	1.4 U	1.5 U	1.2 U	1.2 U
Chloroform	0.61 U	0.65 U	0.53 U	0.52 U
Chloromethane	1.1 U	1.1 U	0.92 U	0.9 U
cis-1,2-Dichloroethene	0.52 U	0.54 U	0.45 U	0.44 U
cis-1,3-Dichloropropene	0.41 U	0.43 U	0.35 U	0.35 U
Dibromochloromethane	0.73 U	0.77 U	0.64 U	0.62 U
Ethylbenzene	0.8 U	0.84 U	0.69 U	0.68 U
Methylene chloride	0.53 U	0.56 U	0.46 U	0.45 U
Styrene	0.46 U	0.48 U	0.39 U	0.39 U
Tetrachloroethene	0.6 U	0.64 U	0.52 U	0.51 U
Toluene	0.32 U	0.34 U	0.28 U	0.27 U
trans-1,2-Dichloroethene	0.51 U	0.54 U	0.44 U	0.43 U
trans-1,3-Dichloropropene	0.6 U	0.63 U	0.52 U	0.51 U
Trichloroethene	0.54 U	0.57 U	0.47 U	0.46 U
Vinyl chloride	0.98 U	1 U	0.85 U	0.83 U
Xylene (total)	0.59 U	0.63 U	0.52 U	1.4 J

NOTE:

ug/kg - micrograms per kilogram

U - Analyte not detected at measurement

B - Analyte detected in the assessment

Summary of Total VOCs in Soil
Caemmerer Yard East Investigation

Table O.2-52

Sample ID	SB-HE-19 8'-10'	SB-HE-20 10-12'	SB-HE-20 4-6'
Lab ID	N78651-4	N79518-3	N79518-1
Matrix	SOIL	SOIL	SOIL
Sample Depth	8'-10'	10'-12'	4'-6'
Unit	ug/kg	ug/kg	ug/kg
1,1,1-Trichloroethane	0.62 U	0.56 U	0.56 U
1,1,2,2-Tetrachloroethane	0.47 U	0.43 U	0.44 U
1,1,2-Trichloroethane	0.5 U	0.46 U	0.46 U
1,1-Dichloroethane	0.41 U	0.37 U	0.37 U
1,1-Dichloroethene	0.93 U	0.85 U	0.86 U
1,2-Dichloroethane	0.37 U	0.34 U	0.34 U
1,2-Dichloropropane	1.2 U	1.1 U	1.1 U
2-Butanone (MEK)	6.2 U	5.6 U	5.6 U
2-Hexanone	1.5 U	1.4 U	1.4 U
4-Methyl-2-pentanone(MIBK)	1.6 U	1.5 U	1.5 U
Acetone	2 U	1.8 U	1.8 U
Benzene	0.33 U	0.31 U	0.31 U
Bromodichloromethane	0.21 U	0.19 U	0.19 U
Bromoform	0.92 U	0.84 U	0.84 U
Bromomethane	1.4 U	1.3 U	1.3 U
Carbon disulfide	0.91 U	0.83 U	0.84 U
Carbon tetrachloride	1.6 U	1.4 U	1.4 U
Chlorobenzene	0.36 U	0.33 U	0.33 U
Chloroethane	1.4 U	1.3 U	1.3 U
Chloroform	0.61 U	0.56 U	0.56 U
Chloromethane	1.1 U	0.97 U	0.97 U
cis-1,2-Dichloroethene	0.52 U	0.47 U	0.47 U
cis-1,3-Dichloropropene	0.41 U	0.37 U	0.37 U
Dibromochloromethane	0.73 U	0.67 U	0.67 U
Ethylbenzene	0.8 U	0.73 U	0.73 U
Methylene chloride	0.53 U	0.48 U	0.48 U
Styrene	0.45 U	0.42 U	0.42 U
Tetrachloroethene	0.6 U	0.55 U	0.55 U
Toluene	0.32 U	2	0.3 U
trans-1,2-Dichloroethene	0.51 U	0.47 U	0.47 U
trans-1,3-Dichloropropene	0.6 U	0.55 U	0.55 U
Trichloroethene	0.54 U	0.49 U	0.49 U
Vinyl chloride	0.97 U	0.89 U	0.89 U
Xylene (total)	0.59 U	0.54 U	0.55 U

NOTE:

ug/kg - micrograms per kilogram

U - Analyte not detected at measurement

B - Analyte detected in the assay

Summary of Total VOCs in Soil
Caemmerer Yard East Investigation

Table O.2-52

Sample ID	SB-HE-20 8-10'	SB-HE-21 10-12'	SB-HE-21 2'-4'	SB-HE-21 24-26'
Lab ID	N79518-2	N79519-5	N78651-1	N79519-6
Matrix	SOIL	SOIL	SOIL	SOIL
Sample Depth	8'-10'	10'-12'	2'-4'	24'-26'
Unit	ug/kg	ug/kg	ug/kg	ug/kg
1,1,1-Trichloroethane	0.56 U	0.62 U	0.57 U	0.6 U
1,1,2,2-Tetrachloroethane	0.43 U	0.48 U	0.44 U	0.46 U
1,1,2-Trichloroethane	0.46 U	0.51 U	0.46 U	0.49 U
1,1-Dichloroethane	0.37 U	0.41 U	0.37 U	0.4 U
1,1-Dichloroethene	0.85 U	0.94 U	0.86 U	0.91 U
1,2-Dichloroethane	0.33 U	0.37 U	0.34 U	0.36 U
1,2-Dichloropropane	1.1 U	1.2 U	1.1 U	1.2 U
2-Butanone (MEK)	5.6 U	6.2 U	5.7 U	6 U
2-Hexanone	1.4 U	1.5 U	1.4 U	1.5 U
4-Methyl-2-pentanone(MIBK)	1.5 U	1.6 U	1.5 U	1.6 U
Acetone	1.8 U	18.4	1.9 U	2 U
Benzene	0.3 U	0.34 U	0.31 U	0.32 U
Bromodichloromethane	0.19 U	0.21 U	0.19 U	0.2 U
Bromoform	0.83 U	0.92 U	0.84 U	0.89 U
Bromomethane	1.3 U	1.4 U	1.3 U	1.4 U
Carbon disulfide	0.83 U	2.4 J	0.84 U	0.89 U
Carbon tetrachloride	1.4 U	1.6 U	1.5 U	1.5 U
Chlorobenzene	0.32 U	0.36 U	0.33 U	0.35 U
Chloroethane	1.3 U	1.4 U	1.3 U	1.4 U
Chloroform	0.56 U	0.62 U	0.57 U	0.6 U
Chloromethane	0.96 U	1.1 U	0.98 U	1 U
cis-1,2-Dichloroethene	0.47 U	0.52 U	0.47 U	0.5 U
cis-1,3-Dichloropropene	0.37 U	0.41 U	0.37 U	0.39 U
Dibromochloromethane	0.66 U	0.74 U	0.67 U	0.71 U
Ethylbenzene	0.72 U	0.8 U	0.73 U	0.78 U
Methylene chloride	0.48 U	0.53 U	12.3	0.51 U
Styrene	0.41 U	0.46 U	0.42 U	0.44 U
Tetrachloroethene	0.55 U	0.6 U	0.55 U	0.59 U
Toluene	0.29 U	0.32 U	0.3 U	0.31 U
trans-1,2-Dichloroethene	0.46 U	0.51 U	0.47 U	0.5 U
trans-1,3-Dichloropropene	0.54 U	0.6 U	0.55 U	0.58 U
Trichloroethene	0.49 U	0.54 U	0.49 U	0.52 U
Vinyl chloride	0.88 U	0.98 U	0.9 U	0.95 U
Xylene (total)	0.54 U	2 J	0.55 U	5.8

NOTE:

ug/kg - micrograms per kilogram

U - Analyte not detected at measurement depth

B - Analyte detected in the background

Summary of Total VOCs in Soil
Caemmerer Yard East Investigation

Table O.2-52

Sample ID	SB-HE-21 4'-6'	SB-HE-22 18-20	SB-HE-22 8-10	SB-HE-23 2-4'
Lab ID	N78651-2	N79580-3	N79580-2	N79518-4
Matrix	SOIL	SOIL	SOIL	SOIL
Sample Depth	4'-6'	18'-20'	8'-10'	2'-4'
Unit	uk/kg	uk/kg	uk/kg	uk/kg
1,1,1-Trichloroethane	0.49 U	0.51 U	0.49 U	0.5 U
1,1,2,2-Tetrachloroethane	0.37 U	0.39 U	0.38 U	0.38 U
1,1,2-Trichloroethane	0.4 U	0.42 U	0.4 U	0.41 U
1,1-Dichloroethane	0.32 U	0.34 U	0.33 U	0.33 U
1,1-Dichloroethene	0.73 U	0.77 U	0.75 U	0.75 U
1,2-Dichloroethane	0.29 U	0.3 U	0.29 U	0.3 U
1,2-Dichloropropane	0.98 U	1 U	1 U	1 U
2-Butanone (MEK)	4.9 U	5.1 U	17.5	5 U
2-Hexanone	1.2 U	1.3 U	1.2 U	1.2 U
4-Methyl-2-pentanone(MIBK)	1.3 U	1.4 U	1.3 U	1.3 U
Acetone	1.6 U	12.2	17.5	10.2 J
Benzene	0.26 U	0.28 U	0.27 U	0.27 U
Bromodichloromethane	0.16 U	0.17 U	0.16 U	0.17 U
Bromoform	0.72 U	0.76 U	0.73 U	0.74 U
Bromomethane	1.1 U	1.2 U	1.1 U	1.1 U
Carbon disulfide	0.72 U	0.75 U	0.73 U	0.74 U
Carbon tetrachloride	1.2 U	1.3 U	1.3 U	1.3 U
Chlorobenzene	0.28 U	0.3 U	0.29 U	0.29 U
Chloroethane	1.1 U	1.2 U	1.2 U	1.2 U
Chloroform	0.48 U	0.51 U	0.49 U	0.5 U
Chloromethane	0.84 U	0.88 U	0.85 U	0.86 U
cis-1,2-Dichloroethene	0.41 U	0.43 U	0.41 U	0.42 U
cis-1,3-Dichloropropene	0.32 U	0.34 U	0.33 U	0.33 U
Dibromochloromethane	0.58 U	0.61 U	0.59 U	0.59 U
Ethylbenzene	0.63 U	0.66 U	0.64 U	0.64 U
Methylene chloride	30.8	0.44 U	0.42 U	0.43 U
Styrene	0.36 U	0.38 U	0.36 U	0.37 U
Tetrachloroethene	0.47 U	0.5 U	0.48 U	0.49 U
Toluene	0.25 U	0.27 U	0.26 U	0.26 U
trans-1,2-Dichloroethene	0.4 U	0.42 U	0.41 U	0.41 U
trans-1,3-Dichloropropene	0.47 U	0.5 U	0.48 U	0.48 U
Trichloroethene	0.42 U	0.44 U	0.43 U	0.43 U
Vinyl chloride	0.77 U	0.81 U	0.78 U	0.79 U
Xylene (total)	0.47 U	0.49 U	0.48 U	0.48 U

NOTE:

ug/kg - micrograms per kilogram

U - Analyte not detected at measurement depth

B - Analyte detected in the background

Summary of Total VOCs in Soil
Caemmerer Yard East Investigation

Table O.2-52

Sample ID	SB-HE-23 4-6'	SB-HE-23 6-8'	SB-HE-24 0-2'	SB-HE-24 12-14'
Lab ID	N79518-5	N79518-6	N79268-1	N79268-4
Matrix	SOIL	SOIL	SOIL	SOIL
Sample Depth	4'-6'	6'-8'	0'-2'	12'-14'
Unit	uk/kg	uk/kg	uk/kg	uk/kg
1,1,1-Trichloroethane	0.54 U	0.49 U	0.49 U	0.56 U
1,1,2,2-Tetrachloroethane	0.42 U	0.38 U	0.38 U	0.43 U
1,1,2-Trichloroethane	0.44 U	0.4 U	0.4 U	0.46 U
1,1-Dichloroethane	0.36 U	0.32 U	0.32 U	0.37 U
1,1-Dichloroethene	0.82 U	0.74 U	0.74 U	0.85 U
1,2-Dichloroethane	0.32 U	0.29 U	0.29 U	0.33 U
1,2-Dichloropropane	1.1 U	0.98 U	0.98 U	1.1 U
2-Butanone (MEK)	5.4 U	4.9 U	4.9 U	8.8 J
2-Hexanone	1.4 U	1.2 U	1.2 U	1.4 U
4-Methyl-2-pentanone(MIBK)	1.4 U	1.3 U	1.3 U	1.5 U
Acetone	1.8 U	1.6 U	1.6 U	26.3
Benzene	0.29 U	0.26 U	1.5	6
Bromodichloromethane	0.18 U	0.16 U	0.16 U	0.19 U
Bromoform	0.81 U	0.73 U	0.73 U	0.83 U
Bromomethane	1.2 U	1.1 U	1.1 U	1.3 U
Carbon disulfide	0.8 U	0.72 U	0.72 U	0.83 U
Carbon tetrachloride	1.4 U	1.3 U	1.3 U	1.4 U
Chlorobenzene	0.31 U	0.28 U	0.28 U	0.33 U
Chloroethane	1.3 U	1.1 U	1.1 U	1.3 U
Chloroform	0.54 U	0.49 U	0.49 U	0.56 U
Chloromethane	0.93 U	0.84 U	0.84 U	0.97 U
cis-1,2-Dichloroethene	0.45 U	0.41 U	0.41 U	0.47 U
cis-1,3-Dichloropropene	0.36 U	0.32 U	0.32 U	0.37 U
Dibromochloromethane	0.64 U	0.58 U	0.58 U	0.67 U
Ethylbenzene	0.7 U	0.63 U	0.63 U	0.73 U
Methylene chloride	0.46 U	0.42 U	0.42 U	0.48 U
Styrene	0.4 U	0.36 U	0.36 U	0.41 U
Tetrachloroethene	0.53 U	0.48 U	0.48 U	0.55 U
Toluene	0.28 U	0.26 U	1.4	2.1
trans-1,2-Dichloroethene	0.45 U	0.41 U	0.41 U	0.47 U
trans-1,3-Dichloropropene	0.53 U	0.48 U	0.47 U	0.55 U
Trichloroethene	0.47 U	0.43 U	0.43 U	0.49 U
Vinyl chloride	0.86 U	0.77 U	0.77 U	0.89 U
Xylene (total)	0.52 U	0.47 U	0.47 U	0.54 U

NOTE:

ug/kg - micrograms per kilogra

U - Analyte not detected at me

B - Analyte detected in the ass

Summary of Total VOCs in Soil
Caemmerer Yard East Investigation

Table O.2-52

Sample ID	SB-HE-24 22-24	SB-HE-24 2-4	SB-HE-24 6-8	SB-U-01 8-10'
Lab ID	N79268-5	N79268-2	N79268-3	N78776-1
Matrix	SOIL	SOIL	SOIL	SOIL
Sample Depth	22'-24'	2'-4'	6'-8'	8-10'
Unit	ug/kg	ug/kg	ug/kg	ug/kg
1,1,1-Trichloroethane	0.57 U	0.5 U	0.49 U	N/A
1,1,2,2-Tetrachloroethane	0.44 U	0.39 U	0.38 U	N/A
1,1,2-Trichloroethane	0.47 U	0.41 U	0.4 U	N/A
1,1-Dichloroethane	0.38 U	0.33 U	0.32 U	N/A
1,1-Dichloroethene	0.87 U	0.76 U	0.74 U	N/A
1,2-Dichloroethane	0.34 U	0.3 U	0.29 U	N/A
1,2-Dichloropropane	1.2 U	1 U	0.99 U	N/A
2-Butanone (MEK)	5.7 U	5 U	4.9 U	N/A
2-Hexanone	1.4 U	1.3 U	1.2 U	N/A
4-Methyl-2-pentanone(MIBK)	1.5 U	1.3 U	1.3 U	N/A
Acetone	1.9 U	1.6 U	5.8 J	N/A
Benzene	0.31 U	0.27 U	2.4	0.29 U
Bromodichloromethane	0.19 U	0.17 U	0.16 U	N/A
Bromoform	0.85 U	0.75 U	0.73 U	N/A
Bromomethane	1.3 U	1.2 U	1.1 U	N/A
Carbon disulfide	0.85 U	0.75 U	0.73 U	N/A
Carbon tetrachloride	1.5 U	1.3 U	1.3 U	N/A
Chlorobenzene	0.33 U	0.29 U	0.29 U	N/A
Chloroethane	1.3 U	1.2 U	1.1 U	N/A
Chloroform	0.57 U	0.5 U	0.49 U	N/A
Chloromethane	0.99 U	0.87 U	0.85 U	N/A
cis-1,2-Dichloroethene	0.48 U	0.42 U	0.41 U	N/A
cis-1,3-Dichloropropene	0.38 U	0.33 U	0.32 U	N/A
Dibromochloromethane	0.68 U	0.6 U	0.58 U	N/A
Ethylbenzene	0.74 U	0.65 U	0.64 U	0.7 U
Methylene chloride	0.49 U	0.43 U	0.42 U	N/A
Styrene	0.42 U	0.37 U	0.36 U	N/A
Tetrachloroethene	0.56 U	0.49 U	0.48 U	N/A
Toluene	0.3 U	0.26 U	0.26 U	0.28 U
trans-1,2-Dichloroethene	0.48 U	0.42 U	0.41 U	N/A
trans-1,3-Dichloropropene	0.56 U	0.49 U	0.48 U	N/A
Trichloroethene	0.5 U	0.44 U	0.43 U	N/A
Vinyl chloride	0.91 U	0.8 U	0.78 U	N/A
Xylene (total)	0.55 U	0.49 U	0.47 U	0.52 U

NOTE:

ug/kg - micrograms per kilogram

U - Analyte not detected at measurement

B - Analyte detected in the assessment

Summary of Total VOCs in Soil
Caemmerer Yard East Investigation

Table O.2-52

Sample ID	SB-U-02 8-10'	SB-V-01 10'-11'	SB-HE-17/2-4
Lab ID	N78776-2	N78384-2	N79714-3
Matrix	SOIL	SOIL	SOIL
Sample Depth	8-10'	0'-11'	2'-4'
Unit	ug/kg	ug/kg	ug/kg
1,1,1-Trichloroethane	N/A	1 U	0.55 U
1,1,2,2-Tetrachloroethane	N/A	0.8 U	0.42 U
1,1,2-Trichloroethane	N/A	0.85 U	0.45 U
1,1-Dichloroethane	N/A	0.69 U	0.36 U
1,1-Dichloroethene	N/A	1.6 U	0.83 U
1,2-Dichloroethane	N/A	0.62 U	0.33 U
1,2-Dichloropropane	N/A	2.1 U	1.1 U
2-Butanone (MEK)	N/A	10 U	5.5 U
2-Hexanone	N/A	2.6 U	1.4 U
4-Methyl-2-pentanone(MIBK)	N/A	2.8 U	1.5 U
Acetone	N/A	3.4 U	1.8 U
Benzene	0.29 U	0.57 U	0.3 U
Bromodichloromethane	N/A	0.35 U	0.18 U
Bromoform	N/A	1.6 U	0.82 U
Bromomethane	N/A	2.4 U	1.3 U
Carbon disulfide	N/A	1.5 U	0.82 U
Carbon tetrachloride	N/A	2.7 U	1.4 U
Chlorobenzene	N/A	0.61 U	0.32 U
Chloroethane	N/A	2.4 U	1.3 U
Chloroform	N/A	1 U	0.55 U
Chloromethane	N/A	1.8 U	0.95 U
cis-1,2-Dichloroethene	N/A	0.87 U	0.46 U
cis-1,3-Dichloropropene	N/A	0.69 U	0.36 U
Dibromochloromethane	N/A	1.2 U	0.66 U
Ethylbenzene	0.69 U	1.4 U	1.8
Methylene chloride	N/A	0.89 U	0.47 U
Styrene	N/A	0.77 U	0.41 U
Tetrachloroethene	N/A	1 U	0.54 U
Toluene	0.28 U	0.55 U	0.29 U
trans-1,2-Dichloroethene	N/A	0.87 U	0.46 U
trans-1,3-Dichloropropene	N/A	1 U	0.54 U
Trichloroethene	N/A	0.91 U	0.48 U
Vinyl chloride	N/A	1.7 U	0.87 U
Xylene (total)	0.51 U	1 U	7.9

NOTE:

ug/kg - micrograms per kilogram

U - Analyte not detected at measurement depth

B - Analyte detected in the background

Summary of Total VOCs in Soil
Caemmerer Yard East Investigation

Table O.2-52

Sample ID	SB-HE-57/2-4 (dup)	SB-HE-25/0-2	SB-HE-56/0-2 (dup)
Lab ID	N79714-6	N79714-4	N79714-5
Matrix	SOIL	SOIL	SOIL
Sample Depth	2'-4'	0'-2'	0'-2'
Unit	ug/kg	ug/kg	ug/kg
1,1,1-Trichloroethane	0.56 U	0.53 U	0.46 U
1,1,2,2-Tetrachloroethane	0.43 U	0.41 U	0.36 U
1,1,2-Trichloroethane	0.46 U	0.43 U	0.38 U
1,1-Dichloroethane	0.37 U	0.35 U	0.3 U
1,1-Dichloroethene	0.85 U	0.8 U	0.7 U
1,2-Dichloroethane	0.34 U	0.32 U	0.28 U
1,2-Dichloropropane	1.1 U	1.1 U	0.93 U
2-Butanone (MEK)	5.6 U	5.3 U	4.6 U
2-Hexanone	1.4 U	1.3 U	1.1 U
4-Methyl-2-pentanone(MIBK)	1.5 U	1.4 U	1.2 U
Acetone	1.8 U	1.7 U	1.5 U
Benzene	0.3 U	0.9 J	0.81 J
Bromodichloromethane	0.19 U	0.18 U	0.15 U
Bromoform	0.83 U	0.79 U	0.69 U
Bromomethane	1.3 U	1.2 U	1.1 U
Carbon disulfide	0.83 U	3.1 J	2.9 J
Carbon tetrachloride	1.4 U	1.4 U	1.2 U
Chlorobenzene	0.33 U	0.31 U	0.27 U
Chloroethane	1.3 U	1.2 U	1.1 U
Chloroform	0.56 U	0.53 U	0.46 U
Chloromethane	0.97 U	0.91 U	0.79 U
cis-1,2-Dichloroethene	0.47 U	0.44 U	0.39 U
cis-1,3-Dichloropropene	0.37 U	0.35 U	0.3 U
Dibromochloromethane	0.67 U	0.63 U	0.55 U
Ethylbenzene	4.1	0.69 U	0.6 U
Methylene chloride	0.48 U	0.45 U	0.39 U
Styrene	0.41 U	0.39 U	0.34 U
Tetrachloroethene	0.55 U	0.52 U	0.45 U
Toluene	1.7	1 J	0.72 J
trans-1,2-Dichloroethene	0.47 U	0.44 U	0.38 U
trans-1,3-Dichloropropene	0.55 U	0.52 U	0.45 U
Trichloroethene	0.49 U	0.46 U	0.4 U
Vinyl chloride	0.89 U	0.84 U	0.73 U
Xylene (total)	18.9	1.2 J	0.81 J

NOTE:

ug/kg - micrograms per kilogram

U - Analyte not detected at method detection limit

B - Analyte detected in the background

Summary of Total VOCs in Soil
Caemmerer Yard East Investigation

Table O.2-52

Sample ID	SB-HE-01 2-4'	SB-HE-01 6-8'	SB-HE-01 8-10'	SB-HE-02 0-2'
Lab ID	N79886-1	N79886-2	N79886-3	N79886-4
Matrix	SOIL	SOIL	SOIL	SOIL
Sample Depth	2'-4'	6'-8'	8'-10'	0'-2'
Unit	ug/kg	ug/kg	ug/kg	ug/kg
1,1,1-Trichloroethane	0.48 U	0.54 U	0.54 U	0.54 U
1,1,2,2-Tetrachloroethane	0.37 U	0.41 U	0.42 U	0.42 U
1,1,2-Trichloroethane	0.39 U	0.44 U	0.44 U	0.44 U
1,1-Dichloroethane	0.32 U	0.36 U	0.36 U	0.36 U
1,1-Dichloroethene	0.72 U	0.81 U	0.82 U	0.82 U
1,2-Dichloroethane	0.28 U	0.32 U	0.32 U	0.32 U
1,2-Dichloropropane	0.96 U	1.1 U	1.1 U	1.1 U
2-Butanone (MEK)	4.8 U	5.4 U	5.4 U	5.4 U
2-Hexanone	1.2 U	1.3 U	1.4 U	1.3 U
4-Methyl-2-pentanone(MIBK)	1.3 U	1.4 U	1.4 U	1.4 U
Acetone	1.6 U	1.8 U	1.8 U	1.8 U
Benzene	0.26 U	0.29 U	0.29 U	0.29 U
Bromodichloromethane	0.16 U	0.18 U	0.18 U	0.18 U
Bromoform	0.71 U	0.8 U	0.81 U	0.8 U
Bromomethane	1.1 U	1.2 U	1.2 U	1.2 U
Carbon disulfide	0.71 U	0.79 U	0.8 U	0.8 U
Carbon tetrachloride	1.2 U	1.4 U	1.4 U	1.4 U
Chlorobenzene	0.28 U	0.31 U	0.32 U	0.31 U
Chloroethane	1.1 U	1.3 U	1.3 U	1.3 U
Chloroform	0.48 U	0.54 U	0.54 U	0.54 U
Chloromethane	0.82 U	0.92 U	0.94 U	0.93 U
cis-1,2-Dichloroethene	0.4 U	0.45 U	0.45 U	0.45 U
cis-1,3-Dichloropropene	0.31 U	0.35 U	0.36 U	0.35 U
Dibromochloromethane	0.57 U	0.64 U	0.65 U	0.64 U
Ethylbenzene	0.62 U	0.7 U	0.7 U	0.7 U
Methylene chloride	0.41 U	0.46 U	0.46 U	0.46 U
Styrene	0.35 U	0.4 U	0.4 U	3 J
Tetrachloroethene	0.47 U	0.52 U	0.53 U	0.53 U
Toluene	0.25 U	0.28 U	0.28 U	0.28 U
trans-1,2-Dichloroethene	0.4 U	0.45 U	0.45 U	0.45 U
trans-1,3-Dichloropropene	0.46 U	0.52 U	0.53 U	0.52 U
Trichloroethene	0.42 U	0.47 U	0.47 U	0.47 U
Vinyl chloride	0.76 U	0.85 U	0.86 U	0.85 U
Xylene (total)	0.46 U	0.52 U	0.52 U	0.52 U

NOTE:

ug/kg - micrograms per kilogram

U - Analyte not detected at method detection limit

B - Analyte detected in the background

Summary of Total VOCs in Soil
Caemmerer Yard East Investigation

Table O.2-52

Sample ID	SB-HE-02 6-8'	SB-HE-02 8-10'	SB-EE-03 2-4'	SB-EE-52 2-4' (dup)
Lab ID	N79886-5	N79886-6	N79935-3	N79935-1
Matrix	SOIL	SOIL	SOIL	SOIL
Sample Depth	6'-8'	8'-10'	2'-4'	2'-4'
Unit	uk/kg	uk/kg	uk/kg	uk/kg
1,1,1-Trichloroethane	0.5 U	0.52 U	0.52 U	0.52 U
1,1,2,2-Tetrachloroethane	0.39 U	0.4 U	0.4 U	0.4 U
1,1,2-Trichloroethane	0.41 U	0.43 U	0.43 U	0.42 U
1,1-Dichloroethane	0.33 U	0.34 U	0.34 U	0.34 U
1,1-Dichloroethene	0.76 U	0.79 U	0.79 U	0.78 U
1,2-Dichloroethane	0.3 U	0.31 U	0.31 U	0.31 U
1,2-Dichloropropane	1 U	1 U	1.1 U	1 U
2-Butanone (MEK)	5 U	5.2 U	5.2 U	5.2 U
2-Hexanone	1.3 U	1.3 U	1.3 U	1.3 U
4-Methyl-2-pentanone(MIBK)	1.3 U	1.4 U	1.4 U	1.4 U
Acetone	1.6 U	6.8 J	1.7 U	1.7 U
Benzene	0.27 U	0.28 U	0.28 U	0.28 U
Bromodichloromethane	0.17 U	0.17 U	0.17 U	0.17 U
Bromoform	0.75 U	0.77 U	0.77 U	0.77 U
Bromomethane	1.2 U	1.2 U	1.2 U	1.2 U
Carbon disulfide	0.75 U	0.77 U	0.77 U	0.76 U
Carbon tetrachloride	1.3 U	1.3 U	1.3 U	1.3 U
Chlorobenzene	0.29 U	0.3 U	0.3 U	0.3 U
Chloroethane	1.2 U	1.2 U	1.2 U	1.2 U
Chloroform	0.5 U	1.7 J	0.52 U	0.51 U
Chloromethane	0.87 U	0.89 U	0.9 U	0.89 U
cis-1,2-Dichloroethene	0.42 U	0.43 U	0.44 U	0.43 U
cis-1,3-Dichloropropene	0.33 U	0.34 U	0.34 U	0.34 U
Dibromochloromethane	0.6 U	0.62 U	0.62 U	0.61 U
Ethylbenzene	0.65 U	0.67 U	0.67 U	0.67 U
Methylene chloride	0.43 U	0.44 U	0.45 U	0.44 U
Styrene	0.37 U	0.38 U	0.38 U	0.38 U
Tetrachloroethene	0.49 U	0.51 U	0.51 U	0.5 U
Toluene	0.26 U	0.27 U	0.27 U	0.27 U
trans-1,2-Dichloroethene	0.42 U	0.43 U	0.43 U	0.43 U
trans-1,3-Dichloropropene	0.49 U	0.5 U	0.51 U	0.5 U
Trichloroethene	0.44 U	0.45 U	0.45 U	0.45 U
Vinyl chloride	0.8 U	0.82 U	0.82 U	0.82 U
Xylene (total)	0.49 U	0.5 U	0.5 U	0.5 U

NOTE:

ug/kg - micrograms per kilogra

U - Analyte not detected at me

B - Analyte detected in the ass

**Summary of Total VOCs in Soil
Caemmerer Yard East Investigation**

Table O.2-52

Sample ID	SB-HE-03 5.5-7.5'	SB-HE-03 11.5-12.5'	SB-HE-15 0-2'
Lab ID	N80036-2	N80036-3	N80037-3
Matrix	SOIL	SOIL	SOIL
Sample Depth	5.5'-7.5'	11.5'-12.5'	0'-2'
Unit	ug/kg	ug/kg	ug/kg
1,1,1-Trichloroethane	0.5 U	0.57 U	0.51 U
1,1,2,2-Tetrachloroethane	0.39 U	0.44 U	0.4 U
1,1,2-Trichloroethane	0.41 U	0.47 U	0.42 U
1,1-Dichloroethane	0.33 U	0.38 U	0.34 U
1,1-Dichloroethene	0.76 U	0.87 U	0.78 U
1,2-Dichloroethane	0.3 U	0.34 U	0.31 U
1,2-Dichloropropane	1 U	1.2 U	1 U
2-Butanone (MEK)	5 U	5.7 U	5.1 U
2-Hexanone	1.3 U	1.4 U	1.3 U
4-Methyl-2-pentanone(MIBK)	1.3 U	1.5 U	1.4 U
Acetone	1.6 U	1.9 U	1.7 U
Benzene	0.27 U	0.31 U	0.28 U
Bromodichloromethane	0.17 U	0.19 U	0.17 U
Bromoform	0.75 U	0.85 U	0.76 U
Bromomethane	1.2 U	1.3 U	1.2 U
Carbon disulfide	0.75 U	0.85 U	0.76 U
Carbon tetrachloride	1.3 U	1.5 U	1.3 U
Chlorobenzene	0.29 U	0.33 U	0.3 U
Chloroethane	1.2 U	1.3 U	1.2 U
Chloroform	0.5 U	0.57 U	0.51 U
Chloromethane	0.87 U	0.99 U	0.88 U
cis-1,2-Dichloroethene	0.42 U	0.48 U	0.43 U
cis-1,3-Dichloropropene	0.33 U	0.38 U	0.34 U
Dibromochloromethane	0.6 U	0.68 U	0.61 U
Ethylbenzene	0.65 U	0.74 U	0.66 U
Methylene chloride	0.43 U	0.49 U	0.44 U
Styrene	0.37 U	0.42 U	0.38 U
Tetrachloroethene	0.49 U	0.56 U	0.5 U
Toluene	0.26 U	0.3 U	0.27 U
trans-1,2-Dichloroethene	0.42 U	0.48 U	0.43 U
trans-1,3-Dichloropropene	0.49 U	0.56 U	0.5 U
Trichloroethene	0.44 U	0.5 U	0.45 U
Vinyl chloride	0.8 U	0.91 U	0.81 U
Xylene (total)	0.49 U	0.55 U	0.5 U

NOTE:

ug/kg - micrograms per kilogram

U - Analyte not detected at method detection limit

B - Analyte detected in the assay

Summary of Total VOCs in Soil
Caemmerer Yard East Investigation

Table O.2-52

Sample ID	SB-HE-25 2-4'	SB-HE-25 4-6'	SB-HE-25 16-18'	SB-HE-25 28-30'
Lab ID	N80037-4	N80037-5	N80037-6	N80037-7
Matrix	SOIL	SOIL	SOIL	SOIL
Sample Depth	2'-4'	4'-6'	16'-18'	28'-30'
Unit	uk/kg	uk/kg	uk/kg	uk/kg
1,1,1-Trichloroethane	0.46 U	0.51 U	0.51 U	0.5 U
1,1,2,2-Tetrachloroethane	0.35 U	0.4 U	0.39 U	0.39 U
1,1,2-Trichloroethane	0.37 U	0.42 U	0.42 U	0.41 U
1,1-Dichloroethane	0.3 U	0.34 U	0.34 U	0.33 U
1,1-Dichloroethene	0.69 U	0.78 U	0.77 U	0.76 U
1,2-Dichloroethane	0.27 U	0.31 U	0.3 U	0.3 U
1,2-Dichloropropane	0.92 U	1 U	1 U	1 U
2-Butanone (MEK)	4.6 U	5.1 U	5.1 U	5 U
2-Hexanone	1.1 U	1.3 U	1.3 U	1.3 U
4-Methyl-2-pentanone(MIBK)	1.2 U	1.4 U	1.3 U	1.3 U
Acetone	5.4 J	1.7 U	6.9 J	1.6 U
Benzene	0.25 U	1.1 J	0.28 U	0.27 U
Bromodichloromethane	0.15 U	0.17 U	0.17 U	0.17 U
Bromoform	0.68 U	0.76 U	0.76 U	0.75 U
Bromomethane	1 U	1.2 U	1.2 U	1.1 U
Carbon disulfide	0.68 U	0.76 U	1.2 J	0.74 U
Carbon tetrachloride	1.2 U	1.3 U	1.3 U	1.3 U
Chlorobenzene	0.27 U	0.3 U	0.3 U	0.29 U
Chloroethane	1.1 U	1.2 U	1.2 U	1.2 U
Chloroform	0.46 U	0.51 U	0.51 U	0.5 U
Chloromethane	0.79 U	0.89 U	0.88 U	0.87 U
cis-1,2-Dichloroethene	0.38 U	0.43 U	0.43 U	0.42 U
cis-1,3-Dichloropropene	0.3 U	0.34 U	0.33 U	0.33 U
Dibromochloromethane	0.54 U	0.61 U	0.6 U	0.6 U
Ethylbenzene	0.59 U	1.8	0.66 U	0.65 U
Methylene chloride	0.39 U	0.44 U	0.43 U	0.43 U
Styrene	0.34 U	0.38 U	0.38 U	0.37 U
Tetrachloroethene	0.45 U	0.5 U	0.5 U	0.49 U
Toluene	0.24 U	4.9	1.5	0.26 U
trans-1,2-Dichloroethene	0.38 U	0.43 U	0.42 U	0.42 U
trans-1,3-Dichloropropene	0.44 U	0.5 U	0.49 U	0.49 U
Trichloroethene	0.4 U	0.45 U	0.44 U	0.44 U
Vinyl chloride	0.72 U	0.81 U	0.8 U	0.8 U
Xylene (total)	0.44 U	5.2	1.1 J	0.49 U

NOTE:

ug/kg - micrograms per kilogram

U - Analyte not detected at me

B - Analyte detected in the ass

**Summary of Total VOCs in Soil
Caemmerer Yard East Investigation**

Table O.2-52

Sample ID	SB-HE-25 39-41'	SB-HE-14 20-22'	SB-HE-17 4-6'
Lab ID	N80037-8	N80038-10	N80038-2
Matrix	SOIL	SOIL	SOIL
Sample Depth	39'-41'	20'-22'	4'-6'
Unit	ug/kg	ug/kg	ug/kg
1,1,1-Trichloroethane	0.55 U	0.51 U	0.94 J
1,1,2,2-Tetrachloroethane	0.43 U	0.39 U	0.37 U
1,1,2-Trichloroethane	0.45 U	0.42 U	0.39 U
1,1-Dichloroethane	0.37 U	0.34 U	0.32 U
1,1-Dichloroethene	0.84 U	0.77 U	0.73 U
1,2-Dichloroethane	0.33 U	0.3 U	0.29 U
1,2-Dichloropropane	1.1 U	1 U	0.97 U
2-Butanone (MEK)	5.5 U	5.1 U	4.8 U
2-Hexanone	1.4 U	1.3 U	1.2 U
4-Methyl-2-pentanone(MIBK)	1.5 U	1.3 U	1.3 U
Acetone	1.8 U	1.7 U	1.6 U
Benzene	0.3 U	0.27 U	1.9
Bromodichloromethane	0.18 U	0.17 U	0.16 U
Bromoform	0.82 U	0.75 U	0.72 U
Bromomethane	1.3 U	1.2 U	1.1 U
Carbon disulfide	0.82 U	0.75 U	0.71 U
Carbon tetrachloride	1.4 U	1.3 U	1.2 U
Chlorobenzene	0.32 U	0.29 U	0.28 U
Chloroethane	1.3 U	1.2 U	1.1 U
Chloroform	0.55 U	0.51 U	0.48 U
Chloromethane	0.95 U	0.87 U	0.83 U
cis-1,2-Dichloroethene	0.46 U	0.42 U	0.4 U
cis-1,3-Dichloropropene	0.36 U	0.33 U	0.32 U
Dibromochloromethane	0.66 U	0.6 U	0.57 U
Ethylbenzene	0.72 U	0.66 U	0.62 U
Methylene chloride	0.47 U	0.43 U	0.41 U
Styrene	0.41 U	0.37 U	0.36 U
Tetrachloroethene	0.54 U	0.86 J	0.47 U
Toluene	0.67 J	0.27 U	4.4
trans-1,2-Dichloroethene	0.46 U	0.42 U	0.4 U
trans-1,3-Dichloropropene	0.54 U	0.49 U	0.47 U
Trichloroethene	0.48 U	0.44 U	0.42 U
Vinyl chloride	0.88 U	0.8 U	0.76 U
Xylene (total)	0.53 U	0.49 U	2.5

NOTE:

ug/kg - micrograms per kilogram

U - Analyte not detected at measurement level

B - Analyte detected in the background

**Summary of Total VOCs in Soil
Caemmerer Yard East Investigation**

Table O.2-52

Sample ID	SB-HE-17 6-8'	SB-HE-17 10-12'	SB-HE-17 12-14'
Lab ID	N80038-3	N80038-4	N80038-5
Matrix	SOIL	SOIL	SOIL
Sample Depth	6'-8'	10'-12'	12'-14'
Unit	uk/kg	uk/kg	uk/kg
1,1,1-Trichloroethane	0.57 U	0.53 U	0.6 U
1,1,2,2-Tetrachloroethane	0.44 U	0.41 U	0.47 U
1,1,2-Trichloroethane	0.47 U	0.44 U	0.49 U
1,1-Dichloroethane	0.38 U	0.35 U	0.4 U
1,1-Dichloroethene	0.87 U	0.81 U	0.91 U
1,2-Dichloroethane	0.34 U	0.32 U	0.36 U
1,2-Dichloropropane	1.2 U	1.1 U	1.2 U
2-Butanone (MEK)	5.7 U	5.3 U	6 U
2-Hexanone	1.4 U	1.3 U	1.5 U
4-Methyl-2-pentanone(MIBK)	1.5 U	1.4 U	1.6 U
Acetone	1.9 U	1.7 U	2 U
Benzene	0.31 U	0.29 U	0.33 U
Bromodichloromethane	0.19 U	0.18 U	0.2 U
Bromoform	0.85 U	0.79 U	0.9 U
Bromomethane	1.3 U	1.2 U	1.4 U
Carbon disulfide	0.85 U	0.79 U	0.89 U
Carbon tetrachloride	1.5 U	1.4 U	1.5 U
Chlorobenzene	0.33 U	0.31 U	0.35 U
Chloroethane	1.3 U	1.2 U	1.4 U
Chloroform	0.57 U	0.53 U	0.6 U
Chloromethane	0.99 U	0.92 U	1 U
cis-1,2-Dichloroethene	0.48 U	0.45 U	0.51 U
cis-1,3-Dichloropropene	0.38 U	0.35 U	0.4 U
Dibromochloromethane	0.68 U	0.63 U	0.72 U
Ethylbenzene	0.74 U	0.69 U	0.78 U
Methylene chloride	0.49 U	0.46 U	0.52 U
Styrene	0.42 U	0.39 U	0.45 U
Tetrachloroethene	0.56 U	0.52 U	0.59 U
Toluene	1.4	0.28 U	0.32 U
trans-1,2-Dichloroethene	0.48 U	0.44 U	0.5 U
trans-1,3-Dichloropropene	0.56 U	0.52 U	0.59 U
Trichloroethene	0.5 U	0.46 U	0.53 U
Vinyl chloride	0.91 U	0.84 U	0.96 U
Xylene (total)	1.3 J	0.51 U	0.58 U

NOTE:

ug/kg - micrograms per kilogram

U - Analyte not detected at method detection limit

B - Analyte detected in the background

Summary of Total VOCs in Soil
Caemmerer Yard East Investigation

Table O.2-52

Sample ID	SB-HE-14 2-4'	SB-HE-14 4-6'	SB-HE-14 16-18'	SB-HE-12 0-1'
Lab ID	N80038-7	N80038-8	N80038-9	N80164-1
Matrix	SOIL	SOIL	SOIL	SOIL
Sample Depth	2'-4'	4'-6'	16'-18'	0'-1'
Unit	ug/kg	ug/kg	ug/kg	ug/kg
1,1,1-Trichloroethane	0.57 U	0.47 U	0.5 U	0.5 U
1,1,2,2-Tetrachloroethane	0.44 U	0.36 U	0.39 U	0.38 U
1,1,2-Trichloroethane	0.47 U	0.39 U	0.41 U	0.41 U
1,1-Dichloroethane	0.38 U	0.31 U	0.33 U	0.33 U
1,1-Dichloroethene	0.86 U	0.71 U	0.76 U	0.75 U
1,2-Dichloroethane	0.34 U	0.28 U	0.3 U	0.3 U
1,2-Dichloropropane	1.1 U	0.95 U	1 U	1 U
2-Butanone (MEK)	5.7 U	4.7 U	5 U	5 U
2-Hexanone	1.4 U	1.2 U	1.3 U	1.2 U
4-Methyl-2-pentanone(MIBK)	1.5 U	1.3 U	1.3 U	1.3 U
Acetone	1.9 U	1.5 U	1.6 U	1.6 U
Benzene	0.31 U	0.26 U	0.27 U	0.27 U
Bromodichloromethane	0.19 U	0.16 U	0.17 U	0.17 U
Bromoform	0.85 U	0.7 U	0.75 U	0.74 U
Bromomethane	1.3 U	1.1 U	1.2 U	1.1 U
Carbon disulfide	0.84 U	0.7 U	0.75 U	0.74 U
Carbon tetrachloride	1.5 U	1.2 U	1.3 U	1.3 U
Chlorobenzene	0.33 U	0.27 U	0.29 U	0.29 U
Chloroethane	1.3 U	1.1 U	1.2 U	1.2 U
Chloroform	0.57 U	0.47 U	0.5 U	0.5 U
Chloromethane	0.98 U	0.81 U	0.87 U	0.86 U
cis-1,2-Dichloroethene	0.48 U	0.4 U	0.42 U	0.42 U
cis-1,3-Dichloropropene	0.38 U	0.31 U	0.33 U	0.33 U
Dibromochloromethane	0.68 U	0.56 U	0.6 U	0.59 U
Ethylbenzene	0.74 U	0.61 U	0.65 U	0.95 J
Methylene chloride	0.49 U	0.4 U	0.43 U	0.43 U
Styrene	0.42 U	0.35 U	0.37 U	0.37 U
Tetrachloroethene	0.56 U	1.3 J	2.1 J	0.49 U
Toluene	1.7	0.82 J	0.26 U	2
trans-1,2-Dichloroethene	0.47 U	0.39 U	0.42 U	0.41 U
trans-1,3-Dichloropropene	0.55 U	0.46 U	0.49 U	0.48 U
Trichloroethene	0.5 U	1.1 J	0.79 J	0.43 U
Vinyl chloride	0.9 U	0.75 U	0.8 U	0.79 U
Xylene (total)	1.6 J	0.8 J	0.49 U	4.3

NOTE:

ug/kg - micrograms per kilogram

U - Analyte not detected at measurement level

B - Analyte detected in the background

Summary of Total VOCs in Soil
Caemmerer Yard East Investigation

Table O.2-52

Sample ID Lab ID Matrix Sample Depth Unit	SB-HE-12 1-3 N80164-2 SOIL 1'-3' uk/kg	SB-HE-12 3-5 N80164-3 SOIL 3'-5' uk/kg	SB-HE-12 5-7 N80164-4 SOIL 5'-7' uk/kg	SB-HE-59 5-7' (dup) N80164-5 SOIL 5-7' uk/kg	SB-HE-12 9-11 N80164-8 SOIL 9'-11' uk/kg
1,1,1-Trichloroethane	0.54 U	0.53 U	0.49 U	0.51 U	0.62 U
1,1,2,2-Tetrachloroethane	0.42 U	0.41 U	0.38 U	0.39 U	0.48 U
1,1,2-Trichloroethane	0.45 U	0.43 U	0.4 U	0.41 U	0.51 U
1,1-Dichloroethane	0.36 U	0.35 U	0.32 U	0.33 U	0.41 U
1,1-Dichloroethene	0.82 U	0.8 U	0.74 U	0.77 U	0.94 U
1,2-Dichloroethane	0.32 U	0.32 U	0.29 U	0.3 U	0.37 U
1,2-Dichloropropane	1.1 U	1.1 U	0.99 U	1 U	1.3 U
2-Butanone (MEK)	5.4 U	5.3 U	4.9 U	5.1 U	6.2 U
2-Hexanone	1.4 U	1.3 U	1.2 U	1.3 U	1.5 U
4-Methyl-2-pentanone(MIBK)	1.4 U	1.4 U	1.3 U	1.3 U	1.6 U
Acetone	1.8 U	1.7 U	1.6 U	1.7 U	2 U
Benzene	0.3 U	0.29 U	0.27 U	0.27 U	0.34 U
Bromodichloromethane	0.18 U	0.18 U	0.16 U	0.17 U	0.21 U
Bromoform	0.81 U	0.78 U	0.73 U	0.75 U	0.92 U
Bromomethane	1.2 U	1.2 U	1.1 U	1.2 U	1.4 U
Carbon disulfide	2.9 J	2.4 J	0.73 U	0.75 U	4.9 J
Carbon tetrachloride	1.4 U	1.4 U	1.3 U	1.3 U	1.6 U
Chlorobenzene	0.32 U	0.31 U	0.29 U	0.29 U	0.36 U
Chloroethane	1.3 U	1.2 U	1.1 U	1.2 U	1.4 U
Chloroform	0.54 U	0.53 U	0.49 U	0.5 U	0.62 U
Chloromethane	0.94 U	0.91 U	0.85 U	0.87 U	1.1 U
cis-1,2-Dichloroethene	0.46 U	0.44 U	0.41 U	0.42 U	0.52 U
cis-1,3-Dichloropropene	0.36 U	0.35 U	0.32 U	0.33 U	0.41 U
Dibromochloromethane	0.65 U	0.63 U	0.58 U	0.6 U	0.74 U
Ethylbenzene	0.92 J	0.93 J	0.64 U	0.66 U	0.8 U
Methylene chloride	0.47 U	0.45 U	0.42 U	0.43 U	0.53 U
Styrene	0.4 U	0.39 U	0.36 U	0.37 U	0.46 U
Tetrachloroethene	0.53 U	0.52 U	0.48 U	0.49 U	0.61 U
Toluene	1.7	1.4	0.26 U	0.27 U	0.33 U
trans-1,2-Dichloroethene	0.45 U	0.44 U	0.41 U	0.42 U	0.52 U
trans-1,3-Dichloropropene	0.53 U	0.51 U	0.48 U	0.49 U	0.6 U
Trichloroethene	0.47 U	0.46 U	0.43 U	0.44 U	0.54 U
Vinyl chloride	0.86 U	0.84 U	0.78 U	0.8 U	0.98 U
Xylene (total)	3.9	2.7	0.47 U	0.49 U	0.6 U

NOTE:

ug/kg - micrograms per kilogram

U - Analyte not detected at measurement level

B - Analyte detected in the assessment

**Summary of RCRA Characteristics in Soil
Caemmerer Yard East Investigation**

Table O.2-59

Sample ID	SB-HE-04	SB-HE-04	SB-HE-04
Lab ID	N80264-1	N80264-2	N80264-3
Matrix	Soil	Soil	Soil
Sample Depth	0'-2'	4'-6'	12'-13.5'
<i>Ignitability Characteristic</i>			
Flash Point (°F)	> 200	> 200	> 200
<i>Reactivity Characteristic</i>			
Reactive Cyanide (mg/kg)	0.5 U	0.49 U	0.54 U
Reactive Sulfide (mg/kg)	16 U	16 U	18 U
<i>Corrosivity Characteristic</i>			
pH	8.43	8.45	8.2

NOTES:

mg/kg - milligrams per killogram
 U - Analyte not detected at method
 detection limit
 °F - Degrees Fahrenheit

**Summary of RCRA Characteristics in Soil
Caemmerer Yard East Investigation**

Table O.2-59

Sample ID	SB-HE-05	SB-HE-05	SB-HE-05
Lab ID	N80264-4	N80264-5	N80264-6
Matrix	Soil	Soil	Soil
Sample Depth	0'-2'	4'-6'	6'-7'
<i>Ignitability Characteristic</i>			
Flash Point (°F)	> 200	> 200	> 200
<i>Reactivity Characteristic</i>			
Reactive Cyanide (mg/kg)	0.49 U	0.52 U	0.52 U
Reactive Sulfide (mg/kg)	16 U	17 U	17 U
<i>Corrosivity Characteristic</i>			
pH	7.76	8.41	8.68

NOTES:

mg/kg - milligrams per killogram
 U - Analyte not detected at method
 detection limit
 °F - Degrees Fahrenheit

**Summary of RCRA Characteristics in Soil
Caemmerer Yard East Investigation**

Table O.2-59

Sample ID	SB-HE-06	SB-HE-06	SB-HE-06
Lab ID	N80264-7	N80264-8	N80264-9
Matrix	Soil	Soil	Soil
Sample Depth	2'-4'	4'-6'	10'-12'
<i>Ignitability Characteristic</i>			
Flash Point (°F)	> 200	> 200	> 200
<i>Reactivity Characteristic</i>			
Reactive Cyanide (mg/kg)	0.54 U	0.53 U	0.55 U
Reactive Sulfide (mg/kg)	18 U	17 U	18 U
<i>Corrosivity Characteristic</i>			
pH	8.55	7.97	8.54

NOTES:

mg/kg - milligrams per killogram
 U - Analyte not detected at method
 detection limit
 °F - Degrees Fahrenheit

**Summary of RCRA Characteristics in Soil
Caemmerer Yard East Investigation**

Table O.2-59

Sample ID	SB-EE-01 14'-16'	SB-EE-01 2'-4'	SB-EE-02 0'-2'
Lab ID	N78545-5	N78384-1	N78545-4
Matrix	Soil	Soil	Soil
Sample Depth	14'-16'	2'-4'	0'-2'
<i>Ignitability Characteristic</i>			
Flash Point (°F)	> 200	> 200	> 200
<i>Reactivity Characteristic</i>			
Reactive Cyanide (mg/kg)	< 6.4	< 6	< 6.1
Reactive Sulfide (mg/kg)	< 64	< 60	< 61
<i>Corrosivity Characteristic</i>			
pH	8.78	7.81	8.55

NOTES:

mg/kg - milligrams per killogram
 U - Analyte not detected at method
 detection limit
 °F - Degrees Fahrenheit

**Summary of RCRA Characteristics in Soil
Caemmerer Yard East Investigation**

Table O.2-59

Sample ID	SB-EE-02 14'-16'	SB-EE-03 2-4'	SB-EE-52 2-4' (dup)
Lab ID	N78651-3	N79935-3	N79935-1
Matrix	Soil	Soil	Soil
Sample Depth	14'-16'	2'-4'	2'-4'
<i>Ignitability Characteristic</i>			
Flash Point (°F)	> 200	7.22	7.22
<i>Reactivity Characteristic</i>			
Reactive Cyanide (mg/kg)	< 6.1	< 5.7	< 5.5
Reactive Sulfide (mg/kg)	< 61	82	79.9
<i>Corrosivity Characteristic</i>			
pH	8.63	> 200	> 200

NOTES:

mg/kg - milligrams per killogram
 U - Analyte not detected at method
 detection limit
 °F - Degrees Fahrenheit

**Summary of RCRA Characteristics in Soil
Caemmerer Yard East Investigation**

Table O.2-59

Sample ID	SB-EE-03 16-18'	SB-EE-03 22-24'	SB-EE-04 14-16'
Lab ID	N78921-2	N78921-3	N78921-5
Matrix	Soil	Soil	Soil
Sample Depth	16'-18'	22'-24'	14'-16'
<i>Ignitability Characteristic</i>			
Flash Point (°F)	> 200	> 200	> 200
<i>Reactivity Characteristic</i>			
Reactive Cyanide (mg/kg)	< 6.1	< 6.6	< 6
Reactive Sulfide (mg/kg)	87.8	< 66	< 60
<i>Corrosivity Characteristic</i>			
pH	8.89	9.49	8.32

NOTES:

mg/kg - milligrams per killogram
 U - Analyte not detected at method
 detection limit
 °F - Degrees Fahrenheit

**Summary of RCRA Characteristics in Soil
Caemmerer Yard East Investigation**

Table O.2-59

Sample ID	SB-EE-04 24-26'	SB-EE-04 6-8'	SB-EE-05 0-2'
Lab ID	N78921-6	N78921-4	N79268-6
Matrix	Soil	Soil	Soil
Sample Depth	24'-26'	6'-8'	0'-2'
<i>Ignitability Characteristic</i>			
Flash Point (°F)	> 200	> 200	> 200
<i>Reactivity Characteristic</i>			
Reactive Cyanide (mg/kg)	< 6	< 5.7	< 5.7
Reactive Sulfide (mg/kg)	< 60	< 57	< 57
<i>Corrosivity Characteristic</i>			
pH	7.81	8.28	8.01

NOTES:

mg/kg - milligrams per killogram
 U - Analyte not detected at method
 detection limit
 °F - Degrees Fahrenheit

**Summary of RCRA Characteristics in Soil
Caemmerer Yard East Investigation**

Table O.2-59

Sample ID	SB-EE-05 12'-14'	SB-EE-05 22'-24'	SB-EE-06 12-14'
Lab ID	N79408-1	N79408-2	N78921-11
Matrix	Soil	Soil	Soil
Sample Depth	12'-14'	22'-24'	12'-14'
<i>Ignitability Characteristic</i>			
Flash Point (°F)	> 200	> 200	> 200
<i>Reactivity Characteristic</i>			
Reactive Cyanide (mg/kg)	< 5.7	< 6.4	< 6.7
Reactive Sulfide (mg/kg)	< 57	< 64	< 67
<i>Corrosivity Characteristic</i>			
pH	7.5	7	7.75

NOTES:

mg/kg - milligrams per killogram
 U - Analyte not detected at method
 detection limit
 °F - Degrees Fahrenheit

**Summary of RCRA Characteristics in Soil
Caemmerer Yard East Investigation**

Table O.2-59

Sample ID	SB-EE-06 8-10'	SB-HE-07 0-2'	SB-HE-07 2-3'
Lab ID	N78921-10	N79713-6	N79713-7
Matrix	Soil	Soil	Soil
Sample Depth	8-10'	0'-2'	2'-3'
<i>Ignitability Characteristic</i>			
Flash Point (°F)	> 200	> 200	> 200
<i>Reactivity Characteristic</i>			
Reactive Cyanide (mg/kg)	< 6.3	< 5.3	< 5.3
Reactive Sulfide (mg/kg)	< 63	< 53	97.7
<i>Corrosivity Characteristic</i>			
pH	7.56	11.98	11.79

NOTES:

mg/kg - milligrams per killogram
 U - Analyte not detected at method
 detection limit
 °F - Degrees Fahrenheit

**Summary of RCRA Characteristics in Soil
Caemmerer Yard East Investigation**

Table O.2-59

Sample ID	SB-HE-08 0-2'	SB-HE-08 0-2'	SB-HE-09 2-4
Lab ID	N79713-4	N79713-5	N79580-4
Matrix	Soil	Soil	Soil
Sample Depth	0'-2'	0'-2'	2'-4'
<i>Ignitability Characteristic</i>			
Flash Point (°F)	> 200	> 200	> 200
<i>Reactivity Characteristic</i>			
Reactive Cyanide (mg/kg)	< 6.5	< 6.5	< 5.6
Reactive Sulfide (mg/kg)	N/A	119	80.1
<i>Corrosivity Characteristic</i>			
pH	11.62	11.84	11.91

NOTES:

mg/kg - milligrams per killogram
 U - Analyte not detected at method
 detection limit
 °F - Degrees Fahrenheit

**Summary of RCRA Characteristics in Soil
Caemmerer Yard East Investigation**

Table O.2-59

Sample ID	SB-HE-09 8-9'	SB-HE-10 0-2'	SB-HE-10 4-6'
Lab ID	N79580-5	N79713-1	N79713-2
Matrix	Soil	Soil	Soil
Sample Depth	8'-9'	0'-2'	4'-6'
<i>Ignitability Characteristic</i>			
Flash Point (°F)	> 200	> 200	> 200
<i>Reactivity Characteristic</i>			
Reactive Cyanide (mg/kg)	< 5.2	< 5.6	< 5.8
Reactive Sulfide (mg/kg)	74.5	< 56	175
<i>Corrosivity Characteristic</i>			
pH	9.98	7.49	7.57

NOTES:

- mg/kg - milligrams per killogram
- U - Analyte not detected at method
detection limit
- °F - Degrees Fahrenheit

**Summary of RCRA Characteristics in Soil
Caemmerer Yard East Investigation**

Table O.2-59

Sample ID	SB-HE-55 4-6' (dup)	SB-HE-11 1'-2'	SB-HE-11 12'-14'
Lab ID	N79713-3	N78305-5	N78384-7
Matrix	Soil	Soil	Soil
Sample Depth	4'-6'	1'-2'	12'-14'
<i>Ignitability Characteristic</i>			
Flash Point (°F)	> 200	> 200	> 200
<i>Reactivity Characteristic</i>			
Reactive Cyanide (mg/kg)	< 5.8	< 6	< 6.2
Reactive Sulfide (mg/kg)	< 58	< 60	79.1
<i>Corrosivity Characteristic</i>			
pH	6.89	11.38	8.25

NOTES:

mg/kg - milligrams per killogram
 U - Analyte not detected at method
 detection limit
 °F - Degrees Fahrenheit

**Summary of RCRA Characteristics in Soil
Caemmerer Yard East Investigation**

Table O.2-59

Sample ID	SB-HE-11 20'-23'	SB-HE-11 2'-4'	SB-HE-11 4'-6'
Lab ID	N78384-8	N78384-5	N78384-6
Matrix	Soil	Soil	Soil
Sample Depth	20'-23'	2'-4'	4'-6'
<i>Ignitability Characteristic</i>			
Flash Point (°F)	> 200	> 200	> 200
<i>Reactivity Characteristic</i>			
Reactive Cyanide (mg/kg)	< 5.8	< 5.7	< 6.1
Reactive Sulfide (mg/kg)	62.5	61.7	66.3
<i>Corrosivity Characteristic</i>			
pH	9.1	8.27	7.53

NOTES:

mg/kg - milligrams per killogram
 U - Analyte not detected at method
 detection limit
 °F - Degrees Fahrenheit

**Summary of RCRA Characteristics in Soil
Caemmerer Yard East Investigation**

Table O.2-59

Sample ID	SB-HE-13 10'-12'	SB-HE-13 2'-4'	SB-HE-13 4'-6'
Lab ID	N78545-9	N78545-1	N78545-2
Matrix	Soil	Soil	Soil
Sample Depth	10'-12'	2'-4'	4'-6'
<i>Ignitability Characteristic</i>			
Flash Point (°F)	> 200	> 200	> 200
<i>Reactivity Characteristic</i>			
Reactive Cyanide (mg/kg)	< 5.4	< 5.6	< 5.6
Reactive Sulfide (mg/kg)	< 54	< 56	< 56
<i>Corrosivity Characteristic</i>			
pH	8.25	7.9	7.74

NOTES:

mg/kg - milligrams per killogram
 U - Analyte not detected at method
 detection limit
 °F - Degrees Fahrenheit

**Summary of RCRA Characteristics in Soil
Caemmerer Yard East Investigation**

Table O.2-59

Sample ID	SB-HE-13 6'-8'	SB-HE-15 28-30'	SB-HE-15 6-8'
Lab ID	N78545-3	N79519-4	N79519-2
Matrix	Soil	Soil	Soil
Sample Depth	6'-8'	28'-30'	6'-8'
<i>Ignitability Characteristic</i>			
Flash Point (°F)	> 200	> 200	> 200
<i>Reactivity Characteristic</i>			
Reactive Cyanide (mg/kg)	< 5.6	< 5.8	< 5.7
Reactive Sulfide (mg/kg)	< 56	< 58	< 57
<i>Corrosivity Characteristic</i>			
pH	7.86	8.81	7.83

NOTES:

mg/kg - milligrams per killogram
 U - Analyte not detected at method
 detection limit
 °F - Degrees Fahrenheit

**Summary of RCRA Characteristics in Soil
Caemmerer Yard East Investigation**

Table O.2-59

Sample ID	SB-HE-16	SB-HE-16	SB-HE-16
Lab ID	N78305-4	N78305-1	N78305-2
Matrix	Soil	Soil	Soil
Sample Depth	12'-14'	1'-2'	4'-6'
<i>Ignitability Characteristic</i>			
Flash Point (°F)	> 200	> 200	> 200
<i>Reactivity Characteristic</i>			
Reactive Cyanide (mg/kg)	< 7.6	< 5.7	< 5.7
Reactive Sulfide (mg/kg)	< 76	73.4	73.5
<i>Corrosivity Characteristic</i>			
pH	8.23	10.74	9.67

NOTES:

mg/kg - milligrams per killogram
 U - Analyte not detected at method
 detection limit
 °F - Degrees Fahrenheit

**Summary of RCRA Characteristics in Soil
Caemmerer Yard East Investigation**

Table O.2-59

Sample ID	SB-HE-16	SB-HE-18 10'-12'	SB-HE-18 16'-18'
Lab ID	N78305-3	N78776-5	N78776-6
Matrix	Soil	Soil	Soil
Sample Depth	17'-19'	10'-12'	16'-18'
<i>Ignitability Characteristic</i>			
Flash Point (°F)	> 200	> 200	> 200
<i>Reactivity Characteristic</i>			
Reactive Cyanide (mg/kg)	< 6.2	< 6.1	< 6.2
Reactive Sulfide (mg/kg)	< 62	113	102
<i>Corrosivity Characteristic</i>			
pH	8.91	8.1	8.04

NOTES:

mg/kg - milligrams per killogram
 U - Analyte not detected at method
 detection limit
 °F - Degrees Fahrenheit

**Summary of RCRA Characteristics in Soil
Caemmerer Yard East Investigation**

Table O.2-59

Sample ID	SB-HE-18 2'-4'	SB-HE-18 6'-8'	SB-HE-18 8'-10'
Lab ID	N78384-3	N78776-3	N78776-4
Matrix	Soil	Soil	Soil
Sample Depth	2'-4'	6'-8'	8'-10'
<i>Ignitability Characteristic</i>			
Flash Point (°F)	> 200	> 200	> 200
<i>Reactivity Characteristic</i>			
Reactive Cyanide (mg/kg)	< 6	< 5.7	< 6.4
Reactive Sulfide (mg/kg)	< 60	81.5	118
<i>Corrosivity Characteristic</i>			
pH	9.08	8.41	8.21

NOTES:

mg/kg - milligrams per killogram
 U - Analyte not detected at method
 detection limit
 °F - Degrees Fahrenheit

**Summary of RCRA Characteristics in Soil
Caemmerer Yard East Investigation**

Table O.2-59

Sample ID	SB-HE-19 12'-14'	SB-HE-19 20'-21'	SB-HE-19 2'-4'
Lab ID	N78651-5	N78651-6	N78545-7
Matrix	Soil	Soil	Soil
Sample Depth	12'-14'	20'-21'	2'-4'
<i>Ignitability Characteristic</i>			
Flash Point (°F)	> 200	> 200	> 200
<i>Reactivity Characteristic</i>			
Reactive Cyanide (mg/kg)	< 6.2	< 6.3	< 5.7
Reactive Sulfide (mg/kg)	< 62	< 63	< 57
<i>Corrosivity Characteristic</i>			
pH	8	8.59	10.05

NOTES:

mg/kg - milligrams per killogram
 U - Analyte not detected at method
 detection limit
 °F - Degrees Fahrenheit

**Summary of RCRA Characteristics in Soil
Caemmerer Yard East Investigation**

Table O.2-59

Sample ID	SB-HE-19 4'-6'	SB-HE-19 8'-10'	SB-HE-20 10-12'
Lab ID	N78545-8	N78651-4	N79518-3
Matrix	Soil	Soil	Soil
Sample Depth	4'-6'	8'-10'	10'-12'
<i>Ignitability Characteristic</i>			
Flash Point (°F)	> 200	> 200	> 200
<i>Reactivity Characteristic</i>			
Reactive Cyanide (mg/kg)	< 5.6	< 6.1	< 5.9
Reactive Sulfide (mg/kg)	< 56	< 61	267
<i>Corrosivity Characteristic</i>			
pH	7.88	8.28	7.26

NOTES:

mg/kg - milligrams per killogram
 U - Analyte not detected at method
 detection limit
 °F - Degrees Fahrenheit

**Summary of RCRA Characteristics in Soil
Caemmerer Yard East Investigation**

Table O.2-59

Sample ID	SB-HE-20 4-6'	SB-HE-20 8-10'	SB-HE-21 10-12'
Lab ID	N79518-1	N79518-2	N79519-5
Matrix	Soil	Soil	Soil
Sample Depth	4'-6'	8'-10'	10'-12'
<i>Ignitability Characteristic</i>			
Flash Point (°F)	> 200	> 200	> 200
<i>Reactivity Characteristic</i>			
Reactive Cyanide (mg/kg)	< 6.2	< 6.1	< 7.2
Reactive Sulfide (mg/kg)	206	179	81.1
<i>Corrosivity Characteristic</i>			
pH	8.27	8.03	9.26

NOTES:

- mg/kg - milligrams per killogram
- U - Analyte not detected at method
detection limit
- °F - Degrees Fahrenheit

**Summary of RCRA Characteristics in Soil
Caemmerer Yard East Investigation**

Table O.2-59

Sample ID	SB-HE-21 2'-4'	SB-HE-21 24'-26'	SB-HE-21 4'-6'
Lab ID	N78651-1	N79519-6	N78651-2
Matrix	Soil	Soil	Soil
Sample Depth	2'-4'	24'-26'	4'-6'
<i>Ignitability Characteristic</i>			
Flash Point (°F)	> 200	> 200	> 200
<i>Reactivity Characteristic</i>			
Reactive Cyanide (mg/kg)	< 6	< 6.2	< 5.6
Reactive Sulfide (mg/kg)	< 60	< 62	< 56
<i>Corrosivity Characteristic</i>			
pH	7.68	7.18	6.96

NOTES:

mg/kg - milligrams per killogram
 U - Analyte not detected at method
 detection limit
 °F - Degrees Fahrenheit

**Summary of RCRA Characteristics in Soil
Caemmerer Yard East Investigation**

Table O.2-59

Sample ID	SB-HE-22 18-20	SB-HE-22 8-10	SB-HE-23 2-4'
Lab ID	N79580-3	N79580-2	N79518-4
Matrix	Soil	Soil	Soil
Sample Depth	18'-20'	8'-10'	2'-4'
<i>Ignitability Characteristic</i>			
Flash Point (°F)	> 200	> 200	> 200
<i>Reactivity Characteristic</i>			
Reactive Cyanide (mg/kg)	< 6.3	< 5.5	< 5.6
Reactive Sulfide (mg/kg)	65.4	< 55	208
<i>Corrosivity Characteristic</i>			
pH	11.57	11.71	7.28

NOTES:

mg/kg - milligrams per killogram
 U - Analyte not detected at method
 detection limit
 °F - Degrees Fahrenheit

**Summary of RCRA Characteristics in Soil
Caemmerer Yard East Investigation**

Table O.2-59

Sample ID	SB-HE-23 4-6'	SB-HE-23 6-8'	SB-HE-24 0-2'
Lab ID	N79518-5	N79518-6	N79268-1
Matrix	Soil	Soil	Soil
Sample Depth	4'-6'	6'-8'	0'-2'
<i>Ignitability Characteristic</i>			
Flash Point (°F)	> 200	> 200	> 200
<i>Reactivity Characteristic</i>			
Reactive Cyanide (mg/kg)	< 5.9	< 5.7	< 5.7
Reactive Sulfide (mg/kg)	221	223	< 57
<i>Corrosivity Characteristic</i>			
pH	8.56	7.68	7.91

NOTES:

mg/kg - milligrams per killogram
 U - Analyte not detected at method
 detection limit
 °F - Degrees Fahrenheit

**Summary of RCRA Characteristics in Soil
Caemmerer Yard East Investigation**

Table O.2-59

Sample ID	SB-HE-24 12-14	SB-HE-24 22-24	SB-HE-24 2-4
Lab ID	N79268-4	N79268-5	N79268-2
Matrix	Soil	Soil	Soil
Sample Depth	12'-14'	22'-24'	2'-4'
<i>Ignitability Characteristic</i>			
Flash Point (°F)	> 200	> 200	> 200
<i>Reactivity Characteristic</i>			
Reactive Cyanide (mg/kg)	< 5.5	< 6	< 5.6
Reactive Sulfide (mg/kg)	< 55	< 60	< 56
<i>Corrosivity Characteristic</i>			
pH	8.64	7.15	7.98

NOTES:

mg/kg - milligrams per killogram
 U - Analyte not detected at method
 detection limit
 °F - Degrees Fahrenheit

**Summary of RCRA Characteristics in Soil
Caemmerer Yard East Investigation**

Table O.2-59

Sample ID	SB-HE-24 6-8	SB-HE-17/2-4	SB-HE-57/2-4 (dup)
Lab ID	N79268-3	N79714-3	N79714-6
Matrix	Soil	Soil	Soil
Sample Depth	6'-8'	2'-4'	2'-4'
<i>Ignitability Characteristic</i>			
Flash Point (°F)	> 200	7.42	7.52
<i>Reactivity Characteristic</i>			
Reactive Cyanide (mg/kg)	< 5.6	< 6	< 6.2
Reactive Sulfide (mg/kg)	< 56	< 60	64
<i>Corrosivity Characteristic</i>			
pH	7.75	> 200	> 200

NOTES:

mg/kg - milligrams per killogram
 U - Analyte not detected at method
 detection limit
 °F - Degrees Fahrenheit

**Summary of RCRA Characteristics in Soil
Caemmerer Yard East Investigation**

Table O.2-59

Sample ID	SB-HE-01 2-4'	SB-HE-01 6-8'	SB-HE-01 8-10'
Lab ID	N79886-1	N79886-2	N79886-3
Matrix	Soil	Soil	Soil
Sample Depth	2'-4'	6'-8'	8'-10'
<i>Ignitability Characteristic</i>			
Flash Point (°F)	11.24	7.87	7.94
<i>Reactivity Characteristic</i>			
Reactive Cyanide (mg/kg)	< 5.4	< 5.9	< 6.2
Reactive Sulfide (mg/kg)	< 54	< 59	< 62
<i>Corrosivity Characteristic</i>			
pH	> 200	> 200	> 200

NOTES:

mg/kg - milligrams per killogram
 U - Analyte not detected at method
 detection limit
 °F - Degrees Fahrenheit

**Summary of RCRA Characteristics in Soil
Caemmerer Yard East Investigation**

Table O.2-59

Sample ID	SB-HE-02 0-2'	SB-HE-02 6-8'	SB-HE-02 8-10'
Lab ID	N79886-4	N79886-5	N79886-6
Matrix	Soil	Soil	Soil
Sample Depth	0'-2'	6'-8'	8'-10'
<i>Ignitability Characteristic</i>			
Flash Point (°F)	9.3	11.16	9.09
<i>Reactivity Characteristic</i>			
Reactive Cyanide (mg/kg)	< 5.7	< 6	< 6
Reactive Sulfide (mg/kg)	< 57	62.2	62
<i>Corrosivity Characteristic</i>			
pH	> 200	> 200	> 200

NOTES:

mg/kg - milligrams per killogram
 U - Analyte not detected at method
 detection limit
 °F - Degrees Fahrenheit

**Summary of RCRA Characteristics in Soil
Caemmerer Yard East Investigation**

Table O.2-59

Sample ID	SB-HE-03 3.5-5.5'	SB-HE-03 5.5-7.5'	SB-HE-03 11.5-12.5'
Lab ID	N80036-1	N80036-2	N80036-3
Matrix	Soil	Soil	Soil
Sample Depth	3.5'-5.5'	5.5'-7.5'	11.5'-12.5'
<i>Ignitability Characteristic</i>			
Flash Point (°F)	7.99	8.77	8.75
<i>Reactivity Characteristic</i>			
Reactive Cyanide (mg/kg)	< 5.8	< 5.7	< 5.6
Reactive Sulfide (mg/kg)	95.5	106	69.6
<i>Corrosivity Characteristic</i>			
pH	> 200	> 200	> 200

NOTES:

mg/kg - milligrams per killogram
 U - Analyte not detected at method
 detection limit
 °F - Degrees Fahrenheit

**Summary of RCRA Characteristics in Soil
Caemmerer Yard East Investigation**

Table O.2-59

Sample ID	SB-HE-15 0-2'	SB-HE-25/0-2	SB-HE-56/0-2 (dup)
Lab ID	N80037-3	N79714-4	N79714-5
Matrix	Soil	Soil	Soil
Sample Depth	0'-2'	0'-2'	0'-2'
<i>Ignitability Characteristic</i>			
Flash Point (°F)	8.56	7.08	6.97
<i>Reactivity Characteristic</i>			
Reactive Cyanide (mg/kg)	< 5.6	< 5.3	< 5.3
Reactive Sulfide (mg/kg)	< 56	< 53	< 53
<i>Corrosivity Characteristic</i>			
pH	> 200	> 200	> 200

NOTES:

mg/kg - milligrams per killogram
U - Analyte not detected at method
detection limit
°F - Degrees Fahrenheit

**Summary of RCRA Characteristics in Soil
Caemmerer Yard East Investigation**

Table O.2-59

Sample ID	SB-HE-25 2-4'	SB-HE-25 4-6'	SB-HE-25 16-18'
Lab ID	N80037-4	N80037-5	N80037-6
Matrix	Soil	Soil	Soil
Sample Depth	2'-4'	4'-6'	16'-18'
<i>Ignitability Characteristic</i>			
Flash Point (°F)	7.8	7.56	7.45
<i>Reactivity Characteristic</i>			
Reactive Cyanide (mg/kg)	< 5.4	< 6.1	< 5.7
Reactive Sulfide (mg/kg)	< 54	< 61	< 57
<i>Corrosivity Characteristic</i>			
pH	> 200	> 200	> 200

NOTES:

mg/kg - milligrams per killogram
U - Analyte not detected at method
detection limit
°F - Degrees Fahrenheit

**Summary of RCRA Characteristics in Soil
Caemmerer Yard East Investigation**

Table O.2-59

Sample ID	SB-HE-25 28-30'	SB-HE-25 39-41'	SB-HE-14 20-22'
Lab ID	N80037-7	N80037-8	N80038-10
Matrix	Soil	Soil	Soil
Sample Depth	28'-30'	39'-41'	20'-22'
<i>Ignitability Characteristic</i>			
Flash Point (°F)	8.6	8.41	7.79
<i>Reactivity Characteristic</i>			
Reactive Cyanide (mg/kg)	< 5.8	< 5.8	< 6
Reactive Sulfide (mg/kg)	< 58	< 58	< 60
<i>Corrosivity Characteristic</i>			
pH	> 200	> 200	> 200

NOTES:

mg/kg - milligrams per killogram
U - Analyte not detected at method
detection limit
°F - Degrees Fahrenheit

**Summary of RCRA Characteristics in Soil
Caemmerer Yard East Investigation**

Table O.2-59

Sample ID	SB-HE-17 4-6'	SB-HE-17 6-8'	SB-HE-17 10-12'
Lab ID	N80038-2	N80038-3	N80038-4
Matrix	Soil	Soil	Soil
Sample Depth	4'-6'	6'-8'	10'-12'
<i>Ignitability Characteristic</i>			
Flash Point (°F)	7.65	7.63	7.64
<i>Reactivity Characteristic</i>			
Reactive Cyanide (mg/kg)	< 5.7	< 5.9	< 5.9
Reactive Sulfide (mg/kg)	< 57	< 59	< 59
<i>Corrosivity Characteristic</i>			
pH	> 200	> 200	> 200

NOTES:

mg/kg - milligrams per killogram
 U - Analyte not detected at method
 detection limit
 °F - Degrees Fahrenheit

**Summary of RCRA Characteristics in Soil
Caemmerer Yard East Investigation**

Table O.2-59

Sample ID	SB-HE-17 12-14'	SB-HE-14/0-2	SB-HE-14 2-4'
Lab ID	N80038-5	N79714-1	N80038-7
Matrix	Soil	Soil	Soil
Sample Depth	12'-14'	0'-2'	2'-4'
<i>Ignitability Characteristic</i>			
Flash Point (°F)	7.82	> 200	8.53
<i>Reactivity Characteristic</i>			
Reactive Cyanide (mg/kg)	< 6	< 5.6	< 5.7
Reactive Sulfide (mg/kg)	< 60	92.3	< 57
<i>Corrosivity Characteristic</i>			
pH	> 200	7.08	> 200

NOTES:

mg/kg - milligrams per killogram
 U - Analyte not detected at method
 detection limit
 °F - Degrees Fahrenheit

**Summary of RCRA Characteristics in Soil
Caemmerer Yard East Investigation**

Table O.2-59

Sample ID	SB-HE-14 4-6'	SB-HE-14 16-18'	SB-HE-12 0-1
Lab ID	N80038-8	N80038-9	N80164-1
Matrix	Soil	Soil	Soil
Sample Depth	4'-6'	16'-18'	0'-1'
<i>Ignitability Characteristic</i>			
Flash Point (°F)	9.48	7.47	7.77
<i>Reactivity Characteristic</i>			
Reactive Cyanide (mg/kg)	< 5.5	< 5.9	< 5.3
Reactive Sulfide (mg/kg)	< 55	< 59	< 53
<i>Corrosivity Characteristic</i>			
pH	> 200	> 200	> 200

NOTES:

mg/kg - milligrams per killogram
 U - Analyte not detected at method
 detection limit
 °F - Degrees Fahrenheit

**Summary of RCRA Characteristics in Soil
Caemmerer Yard East Investigation**

Table O.2-59

Sample ID	SB-HE-12 1-3	SB-HE-12 3-5
Lab ID	N80164-2	N80164-3
Matrix	Soil	Soil
Sample Depth	1'-3'	3'-5'
<i>Ignitability Characteristic</i>		
Flash Point (°F)	7.7	7.79
<i>Reactivity Characteristic</i>		
Reactive Cyanide (mg/kg)	< 5.7	< 5.7
Reactive Sulfide (mg/kg)	< 57	< 57
<i>Corrosivity Characteristic</i>		
pH	> 200	> 200

NOTES:

mg/kg - milligrams per killogram

U - Analyte not detected at method
detection limit

°F - Degrees Fahrenheit

**Summary of RCRA Characteristics in Soil
Caemmerer Yard East Investigation**

Table O.2-59

Sample ID	SB-HE-12 5-7	SB-HE-59 7-9 (dup)	SB-HE-12 9-11
Lab ID	N80164-4	N80164-5	N80164-8
Matrix	Soil	Soil	Soil
Sample Depth	5'-7'	7'-9'	9'-11'
<i>Ignitability Characteristic</i>			
Flash Point (°F)	7.78	7.84	7.5
<i>Reactivity Characteristic</i>			
Reactive Cyanide (mg/kg)	< 5.8	< 5.7	< 6.4
Reactive Sulfide (mg/kg)	< 58	< 57	< 64
<i>Corrosivity Characteristic</i>			
pH	> 200	> 200	> 200

NOTES:

mg/kg - milligrams per killogram
 U - Analyte not detected at method
 detection limit
 °F - Degrees Fahrenheit

Summary of Total Pesticides in Soil
Caemmerer Yard East Investigation

Table O.2-58

Sample ID Lab ID Matrix Sample Depth Unit	SB-HE-04 N80264-1 Soil 0'-2' ug/kg	SB-HE-04 N80264-2 Soil 4'-6' ug/kg	SB-HE-04 N80264-3 Soil 12'-13.5' ug/kg	SB-HE-05 N80264-4 Soil 0'-2' ug/kg	SB-HE-05 N80264-5 Soil 4'-6' ug/kg	SB-HE-05 N80264-6 Soil 6'-7' ug/kg
2,4,5-T	8.2 U	8.1 U	9.1 U	8.1 U	8.6 U	8.6 U
2,4,5-TP (Silvex)	8 U	7.9 U	8.8 U	7.8 U	8.4 U	8.3 U
2,4-D	13 U	12 U	14 U	12 U	13 U	13 U
4,4'-DDD	0.21 U	0.21 U	0.23 U	0.21 U	0.22 U	0.22 U
4,4'-DDE	0.26 U	0.26 U	0.29 U	0.26 U	1.7	0.28 U
4,4'-DDT	11.6	0.19 U	0.2 U	26.5	0.19 U	0.2 U
Aldrin	0.32 U	0.32 U	0.35 U	0.32 U	0.33 U	0.34 U
alpha-BHC	0.4 U	0.41 U	0.44 U	0.4 U	0.42 U	0.43 U
alpha-Chlordane	0.18 U	0.18 U	0.19 U	0.18 U	0.19 U	0.19 U
beta-BHC	0.59 U	0.6 U	0.65 U	0.59 U	0.62 U	0.63 U
delta-BHC	0.28 U	0.29 U	0.31 U	0.28 U	0.3 U	0.3 U
Dieldrin	0.15 U	0.15 U	0.16 U	0.14 U	0.15 U	0.15 U
Endosulfan sulfate	0.18 U	0.18 U	0.19 U	0.18 U	0.19 U	0.19 U
Endosulfan-I	0.2 U	0.2 U	0.22 U	0.2 U	0.21 U	0.21 U
Endosulfan-II	0.24 U	0.24 U	0.26 U	0.23 U	0.25 U	0.25 U
Endrin	0.16 U	0.17 U	0.18 U	0.16 U	0.17 U	0.17 U
Endrin aldehyde	0.56 U	0.57 U	0.62 U	29.4	0.59 U	0.6 U
Endrin ketone	0.78 U	0.79 U	0.86 U	0.77 U	0.81 U	0.83 U
gamma-BHC (Lindane)	0.16 U	0.16 U	0.17 U	0.16 U	0.16 U	0.17 U
gamma-Chlordane	0.58 U	0.59 U	0.64 U	0.58 U	0.61 U	0.62 U
Heptachlor	0.93 U	0.94 U	1 U	0.93 U	0.97 U	0.99 U
Heptachlor epoxide	0.19 U	0.2 U	0.21 U	0.19 U	0.2 U	0.21 U
Methoxychlor	0.21 U	0.21 U	0.23 U	0.21 U	0.22 U	0.23 U
Toxaphene	16 U	16 U	17 U	16 U	17 U	17 U

NOTE:

ug/L- micrograms per liter

U- Parameter not detected at method detection limit

Summary of Total Pesticides in Soil
Caemmerer Yard East Investigation

Table O.2-58

Sample ID Lab ID Matrix Sample Depth Unit	SB-HE-06 N80264-7 Soil 2'-4' ug/kg	SB-HE-06 N80264-8 Soil 4'-6' ug/kg	SB-HE-06 N80264-9 Soil 10'-12' ug/kg	SB-EE-01 2'-4' N78384-1 SOIL 2'-4' ug/kg	SB-EE-02 0'-2' N78545-4 SOIL 0'-2' ug/kg
2,4,5-T	9 U	8.8 U	9.2 U	9.2 U	9.5 U
2,4,5-TP (Silvex)	8.7 U	8.5 U	8.9 U	8.9 U	9.2 U
2,4-D	14 U	13 U	14 U	14 U	15 U
4,4'-DDD	0.23 U	0.22 U	0.24 U	0.23 U	6.8
4,4'-DDE	0.29 U	0.28 U	0.3 U	0.29 U	0.31 U
4,4'-DDT	0.2 U	0.19 U	0.21 U	0.2 U	0.22 U
Aldrin	0.35 U	0.34 U	0.36 U	0.36 U	0.38 U
alpha-BHC	0.44 U	0.43 U	0.45 U	0.45 U	0.47 U
alpha-Chlordane	0.19 U	0.19 U	0.2 U	0.2 U	0.21 U
beta-BHC	0.65 U	0.63 U	0.67 U	0.66 U	0.7 U
delta-BHC	0.31 U	0.3 U	0.32 U	0.32 U	0.33 U
Dieldrin	0.16 U	0.15 U	0.16 U	0.16 U	0.17 U
Endosulfan sulfate	0.19 U	0.19 U	0.2 U	0.2 U	0.21 U
Endosulfan-I	0.22 U	0.21 U	0.23 U	0.22 U	0.24 U
Endosulfan-II	0.26 U	0.25 U	0.27 U	0.26 U	1.8
Endrin	0.18 U	0.17 U	0.19 U	0.18 U	0.19 U
Endrin aldehyde	0.61 U	0.6 U	0.64 U	0.63 U	0.66 U
Endrin ketone	0.85 U	0.83 U	0.88 U	0.87 U	0.92 U
gamma-BHC (Lindane)	0.17 U	0.17 U	0.18 U	0.17 U	0.18 U
gamma-Chlordane	0.63 U	0.62 U	0.66 U	0.65 U	0.68 U
Heptachlor	1 U	0.99 U	1.1 U	1 U	1.1 U
Heptachlor epoxide	0.21 U	0.2 U	0.22 U	0.22 U	0.23 U
Methoxychlor	0.23 U	0.22 U	0.24 U	0.24 U	0.25 U
Toxaphene	17 U	17 U	18 U	18 U	19 U

NOTE:

ug/L- micrograms per liter

U- Parameter not detected at method detection limit

Summary of Total Pesticides in Soil
Caemmerer Yard East Investigation

Table O.2-58

Sample ID Lab ID Matrix Sample Depth Unit	SB-EE-05 0-2 N79268-6 SOIL 0'-2' ug/kg	SB-HE-07 0-2' N79713-6 SOIL 0'-2' ug/kg	SB-HE-07 2-3' N79713-7 SOIL 2'-3' ug/kg	SB-HE-08 0-2' N79713-5 SOIL 0'-2' ug/kg
2,4,5-T	8.8 U	8.2 U	8.2 U	10 U
2,4,5-TP (Silvex)	8.5 U	8 U	8 U	9.7 U
2,4-D	13 U	13 U	13 U	15 U
4,4'-DDD	0.22 U	0.21 U	0.21 U	0.25 U
4,4'-DDE	0.28 U	6.9	0.26 U	5
4,4'-DDT	1.8	4	0.19 U	0.22 U
Aldrin	0.34 U	0.32 U	0.32 U	0.39 U
alpha-BHC	0.43 U	0.4 U	0.4 U	0.49 U
alpha-Chlordane	0.19 U	0.18 U	0.18 U	0.22 U
beta-BHC	0.64 U	0.59 U	0.6 U	0.72 U
delta-BHC	0.31 U	0.28 U	0.29 U	0.35 U
Dieldrin	0.16 U	0.15 U	0.15 U	0.18 U
Endosulfan sulfate	0.19 U	0.18 U	0.18 U	0.22 U
Endosulfan-I	0.22 U	0.2 U	0.2 U	0.24 U
Endosulfan-II	0.25 U	0.24 U	0.24 U	0.29 U
Endrin	0.18 U	0.16 U	0.17 U	0.2 U
Endrin aldehyde	0.6 U	0.56 U	0.57 U	0.68 U
Endrin ketone	0.84 U	0.78 U	0.79 U	0.95 U
gamma-BHC (Lindane)	0.17 U	0.16 U	0.16 U	0.19 U
gamma-Chlordane	0.62 U	0.58 U	0.59 U	0.71 U
Heptachlor	1 U	0.93 U	0.94 U	1.1 U
Heptachlor epoxide	0.21 U	0.19 U	0.19 U	0.23 U
Methoxychlor	0.23 U	0.21 U	0.21 U	0.26 U
Toxaphene	17 U	16 U	16 U	19 U

NOTE:

ug/L- micrograms per liter

U- Parameter not detected at method detection limit

Summary of Total Pesticides in Soil
Caemmerer Yard East Investigation

Table O.2-58

Sample ID Lab ID Matrix Sample Depth Unit	SB-HE-09 2-4 N79580-4 SOIL 2'-4' ug/kg	SB-HE-10 0-2' N79713-1 SOIL 0'-2' ug/kg	SB-HE-10 4-6' N79713-2 SOIL 4'-6' ug/kg	SB-HE-55 4-6' (dup) N79713-3 SOIL 4'-6' ug/kg
2,4,5-T	8.5 U	8.6 U	8.9 U	8.9 U
2,4,5-TP (Silvex)	8.2 U	8.4 U	8.6 U	8.6 U
2,4-D	13 U	13 U	14 U	14 U
4,4'-DDD	0.22 U	0.22 U	0.22 U	0.23 U
4,4'-DDE	3.1	0.27 U	0.28 U	0.29 U
4,4'-DDT	0.19 U	4.4	0.2 U	0.2 U
Aldrin	0.33 U	0.33 U	0.34 U	0.35 U
alpha-BHC	0.42 U	0.42 U	0.43 U	0.44 U
alpha-Chlordane	0.19 U	0.19 U	0.19 U	0.19 U
beta-BHC	0.62 U	0.62 U	0.63 U	0.65 U
delta-BHC	0.3 U	0.3 U	0.3 U	0.31 U
Dieldrin	0.15 U	0.15 U	0.16 U	0.16 U
Endosulfan sulfate	0.19 U	0.19 U	0.19 U	0.19 U
Endosulfan-I	0.21 U	0.21 U	0.21 U	0.22 U
Endosulfan-II	0.25 U	0.25 U	0.25 U	0.26 U
Endrin	0.17 U	0.17 U	0.17 U	0.18 U
Endrin aldehyde	0.59 U	0.59 U	0.6 U	0.61 U
Endrin ketone	0.82 U	0.82 U	0.83 U	0.85 U
gamma-BHC (Lindane)	0.16 U	0.16 U	0.17 U	0.17 U
gamma-Chlordane	0.61 U	0.61 U	0.62 U	0.63 U
Heptachlor	0.98 U	0.98 U	1 U	1 U
Heptachlor epoxide	0.2 U	0.2 U	0.21 U	0.21 U
Methoxychlor	0.22 U	0.22 U	0.23 U	0.23 U
Toxaphene	17 U	17 U	17 U	17 U

NOTE:

ug/L- micrograms per liter

U- Parameter not detected at method detection limit

Summary of Total Pesticides in Soil
Caemmerer Yard East Investigation

Table O.2-58

Sample ID	SB-HE-11 0'-2'	SB-HE-11 1'-2'	SB-HE-11 12'-14'	SB-HE-11 20'-23'
Lab ID	N78384-4	N78305-5	N78384-7	N78384-8
Matrix	SOIL	SOIL	SOIL	SOIL
Sample Depth	0'-2'	1'-2'	12'-14'	20'-23'
Unit	ug/kg	ug/kg	ug/kg	ug/kg
2,4,5-T	54 U	9.2 U	9.6 U	27 U
2,4,5-TP (Silvex)	53 U	9 U	9.3 U	26 U
2,4-D	83 U	14 U	15 U	41 U
4,4'-DDD	0.25 U	0.23 U	0.25 U	0.23 U
4,4'-DDE	0.31 U	0.29 U	0.31 U	0.29 U
4,4'-DDT	0.22 U	0.21 U	0.22 U	0.2 U
Aldrin	0.38 U	0.36 U	0.38 U	0.35 U
alpha-BHC	0.48 U	0.45 U	0.47 U	0.44 U
alpha-Chlordane	0.21 U	0.2 U	0.21 U	0.2 U
beta-BHC	0.71 U	0.66 U	0.7 U	0.65 U
delta-BHC	0.34 U	0.32 U	0.34 U	0.31 U
Dieldrin	0.17 U	0.16 U	0.17 U	0.16 U
Endosulfan sulfate	0.21 U	0.2 U	0.21 U	0.2 U
Endosulfan-I	0.24 U	0.22 U	0.24 U	0.22 U
Endosulfan-II	0.28 U	0.26 U	0.28 U	0.26 U
Endrin	0.2 U	0.18 U	0.19 U	0.18 U
Endrin aldehyde	0.68 U	0.63 U	0.67 U	0.62 U
Endrin ketone	0.94 U	0.87 U	0.92 U	0.86 U
gamma-BHC (Lindane)	0.19 U	0.18 U	0.19 U	0.17 U
gamma-Chlordane	0.7 U	0.65 U	0.69 U	0.64 U
Heptachlor	1.1 U	1 U	1.1 U	1 U
Heptachlor epoxide	0.23 U	0.22 U	0.23 U	0.21 U
Methoxychlor	0.25 U	0.24 U	0.25 U	0.23 U
Toxaphene	19 U	18 U	19 U	18 U

NOTE:

ug/L- micrograms per liter

U- Parameter not detected at method detection limit

Summary of Total Pesticides in Soil
Caemmerer Yard East Investigation

Table O.2-58

Sample ID	SB-HE-11 4'-6'	SB-HE-13 4'-6'	SB-HE-14/0-2	SB-HE-16
Lab ID	N78384-6	N78545-2	N79714-1	N78305-1
Matrix	SOIL	SOIL	SOIL	SOIL
Sample Depth	4'-6'	4'-6'	0'-2'	1'-2'
Unit	ug/kg	ug/kg	ug/kg	ug/kg
2,4,5-T	9.5 U	8.7 U	8.6 U	8.9 U
2,4,5-TP (Silvex)	9.2 U	8.4 U	8.4 U	8.7 U
2,4-D	14 U	13 U	13 U	14 U
4,4'-DDD	0.24 U	0.22 U	0.22 U	0.22 U
4,4'-DDE	0.3 U	0.28 U	0.28 U	0.28 U
4,4'-DDT	0.21 U	0.19 U	0.2 U	0.2 U
Aldrin	0.37 U	0.34 U	0.34 U	0.34 U
alpha-BHC	0.46 U	0.42 U	0.43 U	0.43 U
alpha-Chlordane	0.2 U	0.19 U	0.19 U	0.19 U
beta-BHC	0.68 U	0.62 U	0.63 U	0.63 U
delta-BHC	0.32 U	0.3 U	0.3 U	0.3 U
Dieldrin	0.17 U	0.15 U	0.15 U	0.16 U
Endosulfan sulfate	0.2 U	0.19 U	0.19 U	0.19 U
Endosulfan-I	0.23 U	0.21 U	0.21 U	0.21 U
Endosulfan-II	0.27 U	0.25 U	0.25 U	0.25 U
Endrin	0.19 U	0.17 U	0.17 U	0.17 U
Endrin aldehyde	0.64 U	0.59 U	0.6 U	0.6 U
Endrin ketone	0.89 U	0.82 U	0.83 U	0.83 U
gamma-BHC (Lindane)	0.18 U	0.17 U	0.17 U	0.17 U
gamma-Chlordane	0.66 U	0.61 U	0.62 U	0.62 U
Heptachlor	1.1 U	0.99 U	0.99 U	0.99 U
Heptachlor epoxide	0.22 U	0.2 U	0.21 U	0.21 U
Methoxychlor	0.24 U	0.22 U	0.23 U	0.23 U
Toxaphene	18 U	17 U	17 U	17 U

NOTE:

ug/L- micrograms per liter

U- Parameter not detected at method detection limit

Summary of Total Pesticides in Soil
Caemmerer Yard East Investigation

Table O.2-58

Sample ID	SB-HE-18 2'-4'	SB-HE-2	SB-HE-20 4-6'	SB-HE-21 2'-4'
Lab ID	N78384-3	N78921-9	N79518-1	N78651-1
Matrix	SOIL	SOIL	SOIL	SOIL
Sample Depth	2'-4'		4'-6'	2'-4'
Unit	ug/kg	ug/kg	ug/kg	ug/kg
2,4,5-T	9.2 U	8.8 U	9.6 U	9.1 U
2,4,5-TP (Silvex)	8.9 U	8.5 U	9.3 U	8.9 U
2,4-D	14 U	13 U	15 U	14 U
4,4'-DDD	0.24 U	0.22 U	0.25 U	0.24 U
4,4'-DDE	0.3 U	0.28 U	0.31 U	0.3 U
4,4'-DDT	0.21 U	0.2 U	0.22 U	0.21 U
Aldrin	0.36 U	0.34 U	0.38 U	0.37 U
alpha-BHC	0.46 U	0.43 U	0.48 U	0.46 U
alpha-Chlordane	0.2 U	0.19 U	0.21 U	0.2 U
beta-BHC	0.67 U	0.63 U	0.7 U	0.68 U
delta-BHC	0.32 U	0.3 U	0.34 U	0.32 U
Dieldrin	0.17 U	0.15 U	0.17 U	0.17 U
Endosulfan sulfate	0.2 U	0.19 U	0.21 U	0.2 U
Endosulfan-I	0.23 U	0.21 U	0.24 U	0.23 U
Endosulfan-II	0.27 U	0.25 U	0.28 U	0.27 U
Endrin	0.19 U	0.17 U	0.19 U	0.19 U
Endrin aldehyde	0.64 U	0.6 U	0.67 U	0.64 U
Endrin ketone	0.89 U	0.83 U	0.93 U	0.89 U
gamma-BHC (Lindane)	0.18 U	0.17 U	0.19 U	0.18 U
gamma-Chlordane	0.66 U	0.62 U	0.69 U	0.66 U
Heptachlor	1.1 U	0.99 U	1.1 U	1.1 U
Heptachlor epoxide	0.22 U	0.21 U	0.23 U	0.22 U
Methoxychlor	0.24 U	0.23 U	0.25 U	0.24 U
Toxaphene	18 U	17 U	19 U	18 U

NOTE:

ug/L- micrograms per liter

U- Parameter not detected at method detection limit

Summary of Total Pesticides in Soil
Caemmerer Yard East Investigation

Table O.2-58

Sample ID	SB-HE-21 4'-6'	SB-HE-23 2-4'	SB-HE-24 0-2	SB-HE-24 2-4	SB-HE-1
Lab ID	N78651-2	N79518-4	N79268-1	N79268-2	N79714-2
Matrix	SOIL	SOIL	SOIL	SOIL	SOIL
Sample Depth	4'-6'	2'-4'	0'-2'	2'-4'	
Unit	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
2,4,5-T	8.6 U	8.6 U	8.8 U	8.7 U	9 U
2,4,5-TP (Silvex)	8.4 U	8.4 U	8.6 U	8.4 U	8.8 U
2,4-D	13 U	13 U	14 U	13 U	14 U
4,4'-DDD	0.21 U	0.22 U	0.22 U	0.22 U	0.23 U
4,4'-DDE	0.27 U	0.28 U	0.28 U	0.27 U	0.29 U
4,4'-DDT	0.19 U	0.19 U	0.2 U	0.19 U	0.2 U
Aldrin	0.33 U	0.34 U	0.34 U	0.33 U	0.35 U
alpha-BHC	0.41 U	0.42 U	0.43 U	0.42 U	0.44 U
alpha-Chlordane	0.18 U	0.19 U	0.19 U	0.19 U	0.19 U
beta-BHC	0.61 U	0.62 U	0.63 U	0.62 U	0.65 U
delta-BHC	0.29 U	0.3 U	0.3 U	0.3 U	0.31 U
Dieldrin	0.15 U	0.15 U	0.16 U	0.15 U	0.16 U
Endosulfan sulfate	0.18 U	0.19 U	0.19 U	0.19 U	0.19 U
Endosulfan-I	0.21 U	0.21 U	0.21 U	0.21 U	0.22 U
Endosulfan-II	0.24 U	0.25 U	0.25 U	0.25 U	0.26 U
Endrin	0.17 U	0.17 U	0.17 U	0.17 U	0.18 U
Endrin aldehyde	0.58 U	0.59 U	0.6 U	0.59 U	0.62 U
Endrin ketone	0.8 U	0.82 U	0.83 U	0.82 U	0.86 U
gamma-BHC (Lindane)	0.16 U	0.17 U	0.17 U	0.16 U	0.17 U
gamma-Chlordane	0.6 U	0.61 U	0.62 U	0.61 U	0.64 U
Heptachlor	0.96 U	0.98 U	1 U	0.98 U	1 U
Heptachlor epoxide	0.2 U	0.2 U	0.21 U	0.2 U	0.21 U
Methoxychlor	0.22 U	0.22 U	0.23 U	0.22 U	0.23 U
Toxaphene	16 U	17 U	17 U	17 U	17 U

NOTE:

ug/L- micrograms per liter

U- Parameter not detected at method detection limit

Summary of Total Pesticides in Soil
Caemmerer Yard East Investigation

Table O.2-58

Sample ID	SB-HE-17/2-4	SB-HE-57/2-4 (dup)	SB-HE-25/0-2
Lab ID	N79714-3	N79714-6	N79714-4
Matrix	SOIL	SOIL	SOIL
Sample Depth	2'-4'	2'-4'	0'-2'
Unit	ug/kg	ug/kg	ug/kg
2,4,5-T	9.3 U	9.5 U	8.2 U
2,4,5-TP (Silvex)	9.1 U	9.3 U	7.9 U
2,4-D	14 U	15 U	13 U
4,4'-DDD	0.24 U	0.24 U	0.21 U
4,4'-DDE	0.3 U	0.3 U	0.26 U
4,4'-DDT	0.21 U	0.21 U	0.18 U
Aldrin	0.37 U	0.37 U	0.32 U
alpha-BHC	0.46 U	0.46 U	0.4 U
alpha-Chlordane	0.2 U	0.2 U	0.18 U
beta-BHC	0.68 U	0.68 U	0.59 U
delta-BHC	0.32 U	0.32 U	0.28 U
Dieldrin	0.17 U	0.17 U	0.14 U
Endosulfan sulfate	2.3	0.2 U	0.18 U
Endosulfan-I	0.23 U	0.23 U	0.2 U
Endosulfan-II	0.27 U	0.27 U	0.23 U
Endrin	0.19 U	0.19 U	0.16 U
Endrin aldehyde	0.64 U	0.64 U	0.56 U
Endrin ketone	0.89 U	0.89 U	0.77 U
gamma-BHC (Lindane)	0.18 U	0.18 U	0.15 U
gamma-Chlordane	0.67 U	0.66 U	0.57 U
Heptachlor	1.1 U	1.1 U	0.92 U
Heptachlor epoxide	0.22 U	0.22 U	0.19 U
Methoxychlor	0.24 U	0.24 U	0.21 U
Toxaphene	18 U	18 U	16 U

NOTE:

ug/L- micrograms per liter

U- Parameter not detected at method detection limit

Summary of Total Pesticides in Soil
Caemmerer Yard East Investigation

Table O.2-58

Sample ID	SB-HE-56/0-2 (dup)	SB-HE-01 2-4'	SB-HE-01 6-8'	SB-HE-01 8-10'
Lab ID	N79714-5	N79886-1	N79886-2	N79886-3
Matrix	SOIL	SOIL	SOIL	SOIL
Sample Depth	0'-2'	2'-4'	6'-8'	8'-10'
Unit	ug/kg	ug/kg	ug/kg	ug/kg
2,4,5-T	8.2 U	8.3 U	9.1 U	9.6 U
2,4,5-TP (Silvex)	7.9 U	8 U	8.9 U	9.4 U
2,4-D	13 U	13 U	14 U	15 U
4,4'-DDD	0.21 U	0.21 U	0.23 U	0.25 U
4,4'-DDE	0.26 U	0.26 U	0.29 U	0.31 U
4,4'-DDT	0.18 U	0.19 U	0.2 U	0.22 U
Aldrin	0.32 U	0.32 U	0.36 U	0.38 U
alpha-BHC	0.4 U	0.41 U	0.45 U	0.47 U
alpha-Chlordane	0.18 U	0.18 U	0.2 U	0.21 U
beta-BHC	0.59 U	0.6 U	0.66 U	0.7 U
delta-BHC	0.28 U	0.29 U	0.32 U	0.34 U
Dieldrin	0.14 U	0.15 U	0.16 U	0.17 U
Endosulfan sulfate	0.18 U	0.18 U	0.2 U	0.21 U
Endosulfan-I	0.2 U	0.2 U	0.22 U	0.24 U
Endosulfan-II	0.23 U	0.24 U	0.26 U	0.28 U
Endrin	0.16 U	0.17 U	0.18 U	0.19 U
Endrin aldehyde	0.56 U	0.57 U	0.63 U	0.67 U
Endrin ketone	0.77 U	0.79 U	0.87 U	0.92 U
gamma-BHC (Lindane)	0.16 U	0.16 U	0.17 U	0.19 U
gamma-Chlordane	0.58 U	0.59 U	0.65 U	0.69 U
Heptachlor	0.92 U	0.94 U	1 U	1.1 U
Heptachlor epoxide	0.19 U	0.19 U	0.21 U	0.23 U
Methoxychlor	0.21 U	0.21 U	0.24 U	0.25 U
Toxaphene	16 U	16 U	18 U	19 U

NOTE:

ug/L- micrograms per liter

U- Parameter not detected at method detection limit

Summary of Total Pesticides in Soil
Caemmerer Yard East Investigation

Table O.2-58

Sample ID	SB-HE-02 0-2'	SB-HE-02 6-8'	SB-HE-02 8-10'	SB-EE-03 2-4'
Lab ID	N79886-4	N79886-5	N79886-6	N79935-3
Matrix	SOIL	SOIL	SOIL	SOIL
Sample Depth	0'-2'	6'-8'	8'-10'	2'-4'
Unit	ug/kg	ug/kg	ug/kg	ug/kg
2,4,5-T	8.7 U	9.3 U	9.2 U	8.9 U
2,4,5-TP (Silvex)	8.5 U	9 U	8.9 U	8.6 U
2,4-D	13 U	14 U	14 U	14 U
4,4'-DDD	0.22 U	0.23 U	0.23 U	0.22 U
4,4'-DDE	0.28 U	0.29 U	0.3 U	0.28 U
4,4'-DDT	0.2 U	0.2 U	0.21 U	0.2 U
Aldrin	0.34 U	0.36 U	0.36 U	0.34 U
alpha-BHC	0.43 U	0.45 U	0.45 U	0.43 U
alpha-Chlordane	0.19 U	0.2 U	0.2 U	0.19 U
beta-BHC	0.63 U	0.66 U	0.67 U	0.64 U
delta-BHC	0.3 U	0.32 U	0.32 U	0.31 U
Dieldrin	0.15 U	0.16 U	0.16 U	0.16 U
Endosulfan sulfate	0.19 U	0.2 U	0.2 U	0.19 U
Endosulfan-I	0.21 U	0.22 U	0.23 U	0.22 U
Endosulfan-II	0.25 U	0.26 U	0.27 U	0.25 U
Endrin	0.17 U	0.18 U	0.18 U	0.18 U
Endrin aldehyde	0.6 U	0.63 U	0.64 U	0.6 U
Endrin ketone	0.83 U	0.87 U	0.88 U	0.84 U
gamma-BHC (Lindane)	0.17 U	0.17 U	0.18 U	0.17 U
gamma-Chlordane	0.62 U	0.65 U	0.66 U	0.62 U
Heptachlor	0.99 U	1 U	1.1 U	1 U
Heptachlor epoxide	0.21 U	0.21 U	0.22 U	0.21 U
Methoxychlor	0.23 U	0.24 U	0.24 U	0.23 U
Toxaphene	17 U	18 U	18 U	17 U

NOTE:

ug/L- micrograms per liter

U- Parameter not detected at method detection limit

Summary of Total Pesticides in Soil
Caemmerer Yard East Investigation

Table O.2-58

Sample ID	SB-EE-52 2'-4' (dup)	SB-HE-03 3.5-5.5'	SB-HE-03 5.5-7.5'
Lab ID	N79935-1	N80036-1	N80036-2
Matrix	SOIL	SOIL	SOIL
Sample Depth	2'-4'	3.5'-5.5'	5.5'-7.5'
Unit	ug/kg	ug/kg	ug/kg
2,4,5-T	8.6 U	9.1 U	8.9 U
2,4,5-TP (Silvex)	8.3 U	8.8 U	8.7 U
2,4-D	13 U	14 U	14 U
4,4'-DDD	0.22 U	0.23 U	0.22 U
4,4'-DDE	0.27 U	0.29 U	0.28 U
4,4'-DDT	0.19 U	0.2 U	0.2 U
Aldrin	0.33 U	0.35 U	0.34 U
alpha-BHC	0.42 U	0.45 U	0.43 U
alpha-Chlordane	0.18 U	0.2 U	0.19 U
beta-BHC	0.62 U	0.66 U	0.63 U
delta-BHC	0.3 U	0.32 U	0.3 U
Dieldrin	0.15 U	0.16 U	0.16 U
Endosulfan sulfate	0.18 U	0.2 U	0.19 U
Endosulfan-I	0.21 U	0.22 U	0.21 U
Endosulfan-II	0.25 U	0.26 U	0.25 U
Endrin	0.17 U	0.18 U	0.17 U
Endrin aldehyde	0.59 U	0.63 U	0.6 U
Endrin ketone	0.81 U	0.87 U	0.83 U
gamma-BHC (Lindane)	0.16 U	0.17 U	0.17 U
gamma-Chlordane	0.61 U	0.65 U	0.62 U
Heptachlor	0.97 U	1 U	1 U
Heptachlor epoxide	0.2 U	0.21 U	0.21 U
Methoxychlor	0.22 U	0.23 U	0.23 U
Toxaphene	17 U	18 U	17 U

NOTE:

ug/L- micrograms per liter

U- Parameter not detected at method detection limit

Summary of Total Pesticides in Soil
Caemmerer Yard East Investigation

Table O.2-58

Sample ID Lab ID Matrix Sample Depth Unit	SB-HE-03 11.5-12.5' N80036-3 SOIL 11.5'-12.5' ug/kg	SB-HE-0 N80036-4 SOIL ug/kg	SB-HE-15 0-2' N80037-3 SOIL 0'-2' ug/kg	SB-HE-25 2-4' N80037-4 SOIL 2'-4' ug/kg
2,4,5-T	26 U	0.2 U	8.7 U	8.4 U
2,4,5-TP (Silvex)	25 U	0.13 U	8.4 U	8.1 U
2,4-D	40 U	0.28 U	13 U	13 U
4,4'-DDD	0.22 U	0.017 U	0.22 U	0.21 U
4,4'-DDE	0.28 U	0.0041 U	0.28 U	0.27 U
4,4'-DDT	0.2 U	0.018 U	0.19 U	0.19 U
Aldrin	0.34 U	0.0079 U	0.34 U	0.33 U
alpha-BHC	0.43 U	0.013 U	0.42 U	0.41 U
alpha-Chlordane	0.19 U	0.018 U	0.19 U	0.18 U
beta-BHC	0.64 U	0.0086 U	0.62 U	0.61 U
delta-BHC	0.31 U	0.0098 U	0.3 U	0.29 U
Dieldrin	0.16 U	0.013 U	0.15 U	0.15 U
Endosulfan sulfate	0.19 U	0.013 U	0.19 U	0.18 U
Endosulfan-I	0.22 U	0.0029 U	0.21 U	0.21 U
Endosulfan-II	0.25 U	0.0028 U	0.25 U	0.24 U
Endrin	0.18 U	0.011 U	0.17 U	0.17 U
Endrin aldehyde	0.61 U	0.02 U	0.59 U	0.58 U
Endrin ketone	0.84 U	0.0053 U	0.82 U	0.81 U
gamma-BHC (Lindane)	0.17 U	0.0026 U	0.16 U	0.16 U
gamma-Chlordane	0.63 U	0.013 U	0.61 U	0.6 U
Heptachlor	1 U	0.0059 U	0.98 U	0.96 U
Heptachlor epoxide	0.21 U	0.011 U	0.2 U	0.2 U
Methoxychlor	0.23 U	0.012 U	0.22 U	0.22 U
Toxaphene	17 U	0.25 U	17 U	16 U

NOTE:

ug/L- micrograms per liter

U- Parameter not detected at method detection limit

Summary of Total Pesticides in Soil
Caemmerer Yard East Investigation

Table O.2-58

Sample ID	SB-HE-25 4-6'	SB-HE-17 4-6'	SB-HE-14 2-4'	SB-HE-14 4-6'
Lab ID	N80037-5	N80038-2	N80038-7	N80038-8
Matrix	SOIL	SOIL	SOIL	SOIL
Sample Depth	4'-6'	4'-6'	2'-4'	4'-6'
Unit	ug/kg	ug/kg	ug/kg	ug/kg
2,4,5-T	9.4 U	26 U	8.9 U	8.5 U
2,4,5-TP (Silvex)	9.1 U	25 U	8.6 U	8.3 U
2,4-D	14 U	39 U	79.6	13 U
4,4'-DDD	0.24 U	0.22 U	0.22 U	0.22 U
4,4'-DDE	0.31 U	0.28 U	0.28 U	0.27 U
4,4'-DDT	0.22 U	0.2 U	0.2 U	0.19 U
Aldrin	0.37 U	0.35 U	0.34 U	0.33 U
alpha-BHC	0.47 U	0.43 U	0.43 U	0.42 U
alpha-Chlordane	0.21 U	0.19 U	0.19 U	0.18 U
beta-BHC	0.69 U	0.64 U	0.63 U	0.62 U
delta-BHC	0.33 U	0.31 U	0.3 U	0.3 U
Dieldrin	0.17 U	0.16 U	0.15 U	0.15 U
Endosulfan sulfate	0.21 U	0.19 U	0.19 U	0.18 U
Endosulfan-I	0.23 U	0.22 U	0.21 U	0.21 U
Endosulfan-II	0.28 U	0.26 U	0.25 U	0.25 U
Endrin	0.19 U	0.18 U	0.17 U	0.17 U
Endrin aldehyde	0.66 U	0.61 U	0.6 U	0.59 U
Endrin ketone	0.91 U	0.84 U	0.83 U	0.81 U
gamma-BHC (Lindane)	0.18 U	0.17 U	0.17 U	0.16 U
gamma-Chlordane	0.68 U	0.63 U	0.62 U	0.61 U
Heptachlor	1.1 U	1 U	0.99 U	0.97 U
Heptachlor epoxide	0.23 U	0.21 U	0.2 U	0.2 U
Methoxychlor	0.25 U	0.23 U	0.22 U	0.22 U
Toxaphene	19 U	17 U	17 U	17 U

NOTE:

ug/L- micrograms per liter

U- Parameter not detected at method detection limit

Summary of Total Pesticides in Soil
Caemmerer Yard East Investigation

Table O.2-58

Sample ID	SB-HE-12 0-1	SB-HE-12 1-3	SB-HE-12 3-5
Lab ID	N80164-1	N80164-2	N80164-3
Matrix	SOIL	SOIL	SOIL
Sample Depth	0'-1'	1'-3'	3'-5'
Unit	ug/kg	ug/kg	ug/kg
2,4,5-T	8.3 U	8.9 U	8.8 U
2,4,5-TP (Silvex)	8 U	8.6 U	8.6 U
2,4-D	13 U	14 U	14 U
4,4'-DDD	0.21 U	0.22 U	0.23 U
4,4'-DDE	0.27 U	0.28 U	0.28 U
4,4'-DDT	0.19 U	0.2 U	0.2 U
Aldrin	0.33 U	0.34 U	0.35 U
alpha-BHC	0.41 U	0.43 U	0.44 U
alpha-Chlordane	0.18 U	0.19 U	0.19 U
beta-BHC	0.61 U	0.63 U	0.64 U
delta-BHC	0.29 U	0.3 U	0.31 U
Dieldrin	0.15 U	0.15 U	0.16 U
Endosulfan sulfate	0.18 U	0.19 U	0.19 U
Endosulfan-I	0.21 U	0.21 U	0.22 U
Endosulfan-II	0.24 U	0.25 U	0.26 U
Endrin	0.17 U	0.17 U	0.18 U
Endrin aldehyde	0.58 U	0.6 U	0.61 U
Endrin ketone	0.8 U	0.83 U	0.85 U
gamma-BHC (Lindane)	0.16 U	0.17 U	0.17 U
gamma-Chlordane	0.59 U	0.62 U	0.63 U
Heptachlor	0.95 U	0.99 U	1 U
Heptachlor epoxide	0.2 U	0.2 U	0.21 U
Methoxychlor	0.22 U	0.22 U	0.23 U
Toxaphene	16 U	17 U	17 U

NOTE:

ug/L- micrograms per liter

U- Parameter not detected at method detection limit

Summary of Total Pesticides in Soil
Caemmerer Yard East Investigation

Table O.2-58

Sample ID Lab ID Matrix Sample Depth Unit	SB-HE-12 5-7 N80164-4 SOIL 5'-7' ug/kg	SB-HE-59 5-7' (dup) N80164-5 SOIL 5-7' ug/kg	SB-HE-12 9-11 N80164-8 SOIL 9'-11' ug/kg
2,4,5-T	8.9 U	8.8 U	30 U
2,4,5-TP (Silvex)	8.6 U	8.6 U	29 U
2,4-D	14 U	14 U	45 U
4,4'-DDD	0.22 U	0.22 U	0.25 U
4,4'-DDE	0.28 U	0.28 U	0.31 U
4,4'-DDT	0.2 U	0.19 U	0.22 U
Aldrin	0.34 U	0.34 U	0.38 U
alpha-BHC	0.43 U	0.42 U	0.48 U
alpha-Chlordane	0.19 U	0.19 U	0.21 U
beta-BHC	0.64 U	0.62 U	0.71 U
delta-BHC	0.31 U	0.3 U	0.34 U
Dieldrin	0.16 U	0.15 U	0.17 U
Endosulfan sulfate	0.19 U	0.19 U	0.21 U
Endosulfan-I	0.22 U	0.21 U	0.24 U
Endosulfan-II	0.25 U	0.25 U	0.28 U
Endrin	0.18 U	0.17 U	0.2 U
Endrin aldehyde	0.61 U	0.59 U	0.67 U
Endrin ketone	0.84 U	0.82 U	0.93 U
gamma-BHC (Lindane)	0.17 U	0.16 U	0.19 U
gamma-Chlordane	0.63 U	0.61 U	0.69 U
Heptachlor	1 U	0.98 U	1.1 U
Heptachlor epoxide	0.21 U	0.2 U	0.23 U
Methoxychlor	0.23 U	0.22 U	0.25 U
Toxaphene	17 U	17 U	19 U

NOTE:

ug/L- micrograms per liter

U- Parameter not detected at method detection limit

Summary of Total PCBs in Soil
Caemmerer Yard East Investigation

Table O.2-57

Sample ID	SB-HE-04	SB-HE-04	SB-HE-04	SB-HE-05	SB-HE-05	SB-HE-05	SB-HE-06	SB-HE-06	SB-HE-06
Lab ID	N80264-1	N80264-2	N80264-3	N80264-4	N80264-5	N80264-6	N80264-7	N80264-8	N80264-9
Sample Depth	0'-2'	4'-6'	12'-13.5'	0'-2'	4'-6'	6'-7'	2'-4'	4'-6'	10'-12'
Matrix	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
Unit	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Aroclor 1016	14 U	14 U	16 U	14 U	15 U	15 U	15 U	15 U	16 U
Aroclor 1221	9.2 U	9.3 U	10 U	9.1 U	9.6 U	9.8 U	10 U	9.7 U	10 U
Aroclor 1232	13 U	13 U	14 U	13 U	13 U	14 U	14 U	14 U	14 U
Aroclor 1242	15 U	15 U	16 U	15 U	16 U	16 U	16 U	16 U	17 U
Aroclor 1248	2.9 U	2.9 U	3.2 U	2.9 U	3 U	3.1 U	3.2 U	3.1 U	3.3 U
Aroclor 1254	6.2 U	6.3 U	6.8 U	6.2 U	6.5 U	6.6 U	6.8 U	6.6 U	7 U
Aroclor 1260	13 U	13 U	14 U	13 U	14 U	14 U	14 U	14 U	15 U

NOTE:

ug/kg - micrograms per kilogram

U - Analyte not detected at method detection level

dup - denotes field duplicate of preceeding sample (QA/QC)

Summary of Total PCBs in Soil
Caemmerer Yard East Investigation

Table O.2-57

Sample ID	SB-EE-01 14'-16'	SB-EE-01 2'-4'	SB-EE-02 0'-2'	SB-EE-02 14'-16'	SB-EE-03 16-18'	SB-EE-03 22-24'
Lab ID	N78545-5	N78384-1	N78545-4	N78651-3	N78921-2	N78921-3
Sample Depth	14'-16'	2'-4'	0'-2'	14'-16'	16'-18'	22'-24'
Matrix	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
Unit	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Aroclor 1016	17 U	16 U	17 U	16 U	16 U	17 U
Aroclor 1221	11 U	10 U	11 U	10 U	11 U	11 U
Aroclor 1232	15 U	14 U	15 U	14 U	15 U	15 U
Aroclor 1242	18 U	17 U	18 U	17 U	17 U	18 U
Aroclor 1248	3.5 U	3.2 U	3.4 U	3.3 U	3.4 U	3.5 U
Aroclor 1254	7.5 U	6.9 U	7.3 U	7 U	7.2 U	7.5 U
Aroclor 1260	16 U	15 U	15 U	15 U	15 U	16 U

NOTE:

ug/kg - micrograms per k

U - Analyte not detected

dup - denotes field duplic

Summary of Total PCBs in Soil
Caemmerer Yard East Investigation

Table O.2-57

Sample ID	SB-EE-04 14-16'	SB-EE-04 24-26'	SB-EE-04 6-8'	SB-EE-05 0-2'	SB-EE-05 12'-14'	SB-EE-05 22'-24'
Lab ID	N78921-5	N78921-6	N78921-4	N79268-6	N79408-1	N79408-2
Sample Depth	14'-16'	24'-26'	6'-8'	0'-2'	12'-14'	22'-24'
Matrix	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
Unit	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Aroclor 1016	16 U	16 U	15 U	15 U	15 U	17 U
Aroclor 1221	10 U	10 U	9.8 U	9.9 U	9.9 U	11 U
Aroclor 1232	14 U	14 U	14 U	14 U	14 U	15 U
Aroclor 1242	17 U	17 U	16 U	16 U	16 U	18 U
Aroclor 1248	3.3 U	3.2 U	3.1 U	3.1 U	3.1 U	3.5 U
Aroclor 1254	7.1 U	6.9 U	6.6 U	6.7 U	6.7 U	7.5 U
Aroclor 1260	15 U	15 U	14 U	14 U	14 U	16 U

NOTE:

ug/kg - micrograms per k

U - Analyte not detected

dup - denotes field duplic

Summary of Total PCBs in Soil
Caemmerer Yard East Investigation

Table O.2-57

Sample ID	SB-EE-06 12-14'	SB-EE-06 8-10'	SB-HE-07 0-2'	SB-HE-07 2-3'	SB-HE-08 0-2'	SB-HE-08 0-2'
Lab ID	N78921-11	N78921-10	N79713-6	N79713-7	N79713-4	N79713-5
Sample Depth	12'-14'	8-10'	0'-2'	2'-3'	0'-2'	0'-2'
Matrix	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
Unit	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Aroclor 1016	18 U	17 U	14 U	14 U	N/A	17 U
Aroclor 1221	12 U	11 U	9.2 U	9.3 U	N/A	11 U
Aroclor 1232	16 U	15 U	13 U	13 U	N/A	15 U
Aroclor 1242	19 U	18 U	15 U	15 U	N/A	18 U
Aroclor 1248	3.7 U	3.5 U	2.9 U	2.9 U	N/A	3.5 U
Aroclor 1254	7.8 U	7.5 U	41.6	6.3 U	N/A	7.5 U
Aroclor 1260	17 U	16 U	13 U	13 U	N/A	16 U

NOTE:

ug/kg - micrograms per k
 U - Analyte not detected
 dup - denotes field duplic

Summary of Total PCBs in Soil
Caemmerer Yard East Investigation

Table O.2-57

Sample ID	SB-HE-09 2-4'	SB-HE-09 8-9'	SB-HE-10 0-2'	SB-HE-10 4-6'	SB-HE-55 4-6' (dup)	SB-HE-11 1'-2'
Lab ID	N79580-4	N79580-5	N79713-1	N79713-2	N79713-3	N78305-5
Sample Depth	2'-4'	8'-9'	0'-2'	4'-6'	4'-6'	1'-2'
Matrix	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
Unit	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Aroclor 1016	15 U	14 U	15 U	15 U	15 U	16 U
Aroclor 1221	9.6 U	8.9 U	9.6 U	9.8 U	10 U	10 U
Aroclor 1232	13 U	12 U	13 U	14 U	14 U	14 U
Aroclor 1242	16 U	14 U	16 U	16 U	16 U	17 U
Aroclor 1248	3 U	2.8 U	3 U	3.1 U	3.2 U	3.3 U
Aroclor 1254	6.5 U	6 U	6.5 U	6.6 U	6.8 U	6.9 U
Aroclor 1260	14 U	13 U	14 U	14 U	14 U	15 U

NOTE:

ug/kg - micrograms per k

U - Analyte not detected

dup - denotes field dupl

Summary of Total PCBs in Soil
Caemmerer Yard East Investigation

Table O.2-57

Sample ID	SB-HE-11 12'-14'	SB-HE-11 20'-23'	SB-HE-11 2'-4'	SB-HE-11 4'-6'	SB-HE-13 10'-12'	SB-HE-13 2'-4'
Lab ID	N78384-7	N78384-8	N78384-5	N78384-6	N78545-9	N78545-1
Sample Depth	12'-14'	20'-23'	2'-4'	4'-6'	10'-12'	2'-4'
Matrix	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
Unit	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Aroclor 1016	17 U	16 U	15 U	16 U	14 U	15 U
Aroclor 1221	11 U	10 U	10 U	11 U	9.3 U	9.7 U
Aroclor 1232	15 U	14 U	14 U	15 U	13 U	13 U
Aroclor 1242	18 U	16 U	16 U	17 U	15 U	16 U
Aroclor 1248	3.4 U	3.2 U	3.2 U	3.3 U	3 U	3.1 U
Aroclor 1254	7.3 U	6.8 U	6.7 U	7.1 U	6.3 U	6.6 U
Aroclor 1260	15 U	14 U	14 U	15 U	13 U	14 U

NOTE:

ug/kg - micrograms per k
U - Analyte not detected
dup - denotes field duplic

Summary of Total PCBs in Soil
Caemmerer Yard East Investigation

Table O.2-57

Sample ID	SB-HE-13 4'-6'	SB-HE-13 6'-8'	SB-HE-14/0-2	SB-HE-15 28-30'	SB-HE-15 6-8'	SB-HE-16	SB-HE-16
Lab ID	N78545-2	N78545-3	N79714-1	N79519-4	N79519-2	N78305-4	N78305-1
Sample Depth	4'-6'	6'-8'	0'-2'	28'-30'	6'-8'	12'-14'	1'-2'
Matrix	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
Unit	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Aroclor 1016	15 U	15 U	15 U	15 U	15 U	21 U	15 U
Aroclor 1221	9.7 U	9.9 U	9.8 U	10 U	10 U	13 U	9.8 U
Aroclor 1232	13 U	14 U	14 U	14 U	14 U	19 U	14 U
Aroclor 1242	16 U	16 U	16 U	16 U	16 U	22 U	16 U
Aroclor 1248	3.1 U	3.1 U	3.1 U	3.2 U	3.2 U	4.3 U	3.1 U
Aroclor 1254	6.6 U	6.7 U	6.6 U	6.8 U	6.8 U	9.1 U	6.6 U
Aroclor 1260	14 U	14 U	14 U	14 U	14 U	19 U	14 U

NOTE:

ug/kg - micrograms per k

U - Analyte not detected

dup - denotes field duplic

Summary of Total PCBs in Soil
Caemmerer Yard East Investigation

Table O.2-57

Sample ID	SB-HE-16	SB-HE-16	SB-HE-18 10'-12'	SB-HE-18 16'-18'	SB-HE-18 2'-4'	SB-HE-18 6'-8'
Lab ID	N78305-2	N78305-3	N78776-5	N78776-6	N78384-3	N78776-3
Sample Depth	4'-6'	17'-19'	10'-12'	16'-18'	2'-4'	6'-8'
Matrix	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
Unit	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Aroclor 1016	15 U	16 U	16 U	17 U	16 U	15 U
Aroclor 1221	10 U	11 U	11 U	11 U	10 U	9.8 U
Aroclor 1232	14 U	15 U	15 U	15 U	15 U	14 U
Aroclor 1242	16 U	17 U	17 U	18 U	17 U	16 U
Aroclor 1248	3.2 U	3.4 U	3.4 U	3.5 U	3.3 U	3.1 U
Aroclor 1254	6.8 U	7.2 U	7.2 U	7.4 U	7.1 U	6.6 U
Aroclor 1260	14 U	15 U	15 U	16 U	15 U	14 U

NOTE:

ug/kg - micrograms per k

U - Analyte not detected

dup - denotes field duplic

Summary of Total PCBs in Soil
Caemmerer Yard East Investigation

Table O.2-57

Sample ID	SB-HE-18 8'-10'	SB-HE-19 12'-14'	SB-HE-19 20'-21'	SB-HE-19 2'-4'	SB-HE-19 4'-6'	SB-HE-19 8'-10'
Lab ID	N78776-4	N78651-5	N78651-6	N78545-7	N78545-8	N78651-4
Sample Depth	8'-10'	12'-14'	20'-21'	2'-4'	4'-6'	8'-10'
Matrix	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
Unit	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Aroclor 1016	17 U	17 U	16 U	15 U	15 U	16 U
Aroclor 1221	11 U	11 U	11 U	9.9 U	9.6 U	11 U
Aroclor 1232	16 U	15 U	15 U	14 U	13 U	15 U
Aroclor 1242	18 U	18 U	17 U	16 U	16 U	17 U
Aroclor 1248	3.6 U	3.5 U	3.4 U	3.1 U	3 U	3.4 U
Aroclor 1254	7.6 U	7.4 U	7.2 U	6.7 U	6.5 U	7.1 U
Aroclor 1260	16 U	16 U	15 U	14 U	14 U	15 U

NOTE:

ug/kg - micrograms per k

U - Analyte not detected

dup - denotes field duplic

Summary of Total PCBs in Soil
Caemmerer Yard East Investigation

Table O.2-57

Sample ID	SB-HE-20 10-12'	SB-HE-20 4-6'	SB-HE-20 8-10'	SB-HE-21 10-12'	SB-HE-21 2'-4'	SB-HE-21 24-26'
Lab ID	N79518-3	N79518-1	N79518-2	N79519-5	N78651-1	N79519-6
Sample Depth	10'-12'	4'-6'	8'-10'	10'-12'	2'-4'	24'-26'
Matrix	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
Unit	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Aroclor 1016	16 U	17 U	17 U	19 U	16 U	16 U
Aroclor 1221	10 U	11 U	11 U	13 U	11 U	11 U
Aroclor 1232	14 U	15 U	15 U	17 U	15 U	15 U
Aroclor 1242	16 U	18 U	18 U	20 U	17 U	17 U
Aroclor 1248	3.2 U	3.5 U	3.4 U	4 U	3.3 U	3.4 U
Aroclor 1254	6.9 U	7.4 U	7.3 U	8.5 U	7.1 U	7.2 U
Aroclor 1260	14 U	16 U	15 U	18 U	15 U	15 U

NOTE:

ug/kg - micrograms per k

U - Analyte not detected

dup - denotes field duplic

Summary of Total PCBs in Soil
Caemmerer Yard East Investigation

Table O.2-57

Sample ID	SB-HE-21 4'-6'	SB-HE-22 18-20'	SB-HE-22 8-10'	SB-HE-23 2-4'	SB-HE-23 4-6'	SB-HE-23 6-8'
Lab ID	N78651-2	N79580-3	N79580-2	N79518-4	N79518-5	N79518-6
Sample Depth	4'-6'	18'-20'	8'-10'	2'-4'	4'-6'	6'-8'
Matrix	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
Unit	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Aroclor 1016	15 U	17 U	15 U	15 U	16 U	15 U
Aroclor 1221	9.5 U	11 U	9.6 U	9.7 U	10 U	9.8 U
Aroclor 1232	13 U	15 U	13 U	13 U	14 U	14 U
Aroclor 1242	15 U	18 U	16 U	16 U	17 U	16 U
Aroclor 1248	3 U	3.5 U	3 U	3.1 U	3.2 U	3.1 U
Aroclor 1254	6.4 U	7.4 U	6.5 U	6.5 U	6.9 U	6.6 U
Aroclor 1260	13 U	16 U	14 U	14 U	15 U	14 U

NOTE:

ug/kg - micrograms per k

U - Analyte not detected

dup - denotes field duplic

Summary of Total PCBs in Soil
Caemmerer Yard East Investigation

Table O.2-57

Sample ID	SB-HE-24 0-2'	SB-HE-24 12-14'	SB-HE-24 22-24'	SB-HE-24 2-4'	SB-HE-24 6-8'	SB-U-01 8-10'
Lab ID	N79268-1	N79268-4	N79268-5	N79268-2	N79268-3	N78776-1
Sample Depth	0'-2'	12'-14'	22'-24'	2'-4'	6'-8'	8-10'
Matrix	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
Unit	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Aroclor 1016	15 U	15 U	16 U	15 U	15 U	N/A
Aroclor 1221	9.8 U	9.6 U	11 U	9.6 U	9.6 U	N/A
Aroclor 1232	14 U	13 U	15 U	13 U	13 U	N/A
Aroclor 1242	16 U	16 U	17 U	16 U	16 U	N/A
Aroclor 1248	3.1 U	3 U	3.4 U	3 U	3 U	N/A
Aroclor 1254	6.6 U	6.5 U	7.2 U	6.5 U	6.5 U	N/A
Aroclor 1260	14 U	14 U	15 U	14 U	14 U	N/A

NOTE:

ug/kg - micrograms per k
 U - Analyte not detected
 dup - denotes field duplic

**Summary of Total PCBs in Soil
Caemmerer Yard East Investigation**

Table O.2-57

Sample ID	SB-U-02 8-10'	SB-V-01 10'-11'	SB-HE-17/2-4	SB-HE-57/2-4 (dup)	SB-HE-25/0-2
Lab ID	N78776-2	N78384-2	N79714-3	N79714-6	N79714-4
Sample Depth	8-10'	0'-11'	2'-4'	2'-4'	0'-2'
Matrix	SOIL	SOIL	SOIL	SOIL	SOIL
Unit	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Aroclor 1016	N/A	N/A	16 U	16 U	14 U
Aroclor 1221	N/A	N/A	11 U	11 U	9.1 U
Aroclor 1232	N/A	N/A	15 U	15 U	13 U
Aroclor 1242	N/A	N/A	17 U	17 U	15 U
Aroclor 1248	N/A	N/A	3.3 U	3.3 U	2.9 U
Aroclor 1254	N/A	N/A	7.1 U	7.1 U	79.1
Aroclor 1260	N/A	N/A	15 U	15 U	13 U

NOTE:

ug/kg - micrograms per k

U - Analyte not detected

dup - denotes field duplic

Summary of Total PCBs in Soil
Caemmerer Yard East Investigation

Table O.2-57

Sample ID	SB-HE-56/0-2 (dup)	SB-HE-01 2-4'	SB-HE-01 6-8'	SB-HE-01 8-10'	SB-HE-02 0-2'	SB-HE-02 6-8'
Lab ID	N79714-5	N79886-1	N79886-2	N79886-3	N79886-4	N79886-5
Sample Depth	0'-2'	2'-4'	6'-8'	8'-10'	0'-2'	6'-8'
Matrix	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
Unit	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Aroclor 1016	14 U	14 U	16 U	17 U	15 U	16 U
Aroclor 1221	9.1 U	9.3 U	10 U	11 U	9.8 U	10 U
Aroclor 1232	13 U	13 U	14 U	15 U	14 U	14 U
Aroclor 1242	15 U	15 U	17 U	18 U	16 U	17 U
Aroclor 1248	2.9 U	2.9 U	3.2 U	3.4 U	3.1 U	3.2 U
Aroclor 1254	106	6.3 U	6.9 U	7.3 U	6.6 U	6.9 U
Aroclor 1260	13 U	13 U	15 U	15 U	146	15 U

NOTE:

ug/kg - micrograms per k

U - Analyte not detected

dup - denotes field duplc

**Summary of Total PCBs in Soil
Caemmerer Yard East Investigation**

Table O.2-57

Sample ID	SB-HE-02 8-10'	SB-EE-03 2-4'	SB-EE-52 2-4' (dup)	SB-HE-03 3.5-5.5'	SB-HE-03 5.5-7.5'
Lab ID	N79886-6	N79935-3	N79935-1	N80036-1	N80036-2
Sample Depth	8'-10'	2'-4'	2'-4'	3.5'-5.5'	5.5'-7.5'
Matrix	SOIL	SOIL	SOIL	SOIL	SOIL
Unit	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Aroclor 1016	16 U	15 U	15 U	16 U	15 U
Aroclor 1221	10 U	9.9 U	9.6 U	10 U	9.8 U
Aroclor 1232	14 U	14 U	13 U	14 U	14 U
Aroclor 1242	17 U	16 U	16 U	17 U	16 U
Aroclor 1248	3.3 U	3.1 U	3 U	3.2 U	3.1 U
Aroclor 1254	7 U	6.7 U	6.5 U	6.9 U	6.6 U
Aroclor 1260	15 U	14 U	14 U	15 U	14 U

NOTE:

ug/kg - micrograms per k

U - Analyte not detected

dup - denotes field duplic

Summary of Total PCBs in Soil
Caemmerer Yard East Investigation

Table O.2-57

Sample ID	SB-HE-03 11.5-12.5'	SB-HE-15 0-2'	SB-HE-25 2-4'	SB-HE-25 4-6'	SB-HE-25 16-18'	SB-HE-25 28-30'
Lab ID	N80036-3	N80037-3	N80037-4	N80037-5	N80037-6	N80037-7
Sample Depth	11.5'-12.5'	0'-2'	2'-4'	4'-6'	16'-18'	28'-30'
Matrix	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
Unit	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Aroclor 1016	15 U	15 U	15 U	16 U	15 U	16 U
Aroclor 1221	9.9 U	9.7 U	9.5 U	11 U	9.8 U	10 U
Aroclor 1232	14 U	13 U	13 U	15 U	14 U	14 U
Aroclor 1242	16 U	16 U	15 U	17 U	16 U	16 U
Aroclor 1248	3.1 U	3.1 U	3 U	3.4 U	3.1 U	3.2 U
Aroclor 1254	6.7 U	152	6.4 U	7.2 U	6.6 U	6.8 U
Aroclor 1260	14 U	14 U	14 U	15 U	14 U	14 U

NOTE:

ug/kg - micrograms per k

U - Analyte not detected

dup - denotes field duplic

Summary of Total PCBs in Soil
Caemmerer Yard East Investigation

Table O.2-57

Sample ID	SB-HE-25 39-41'	SB-HE-14 20-22'	SB-HE-17 4-6'	SB-HE-17 6-8'	SB-HE-17 10-12'	SB-HE-17 12-14'
Lab ID	N80037-8	N80038-10	N80038-2	N80038-3	N80038-4	N80038-5
Sample Depth	39'-41'	20'-22'	4'-6'	6'-8'	10'-12'	12'-14'
Matrix	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
Unit	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Aroclor 1016	16 U	16 U	15 U	16 U	16 U	16 U
Aroclor 1221	10 U	10 U	9.9 U	10 U	10 U	10 U
Aroclor 1232	14 U	14 U	14 U	14 U	14 U	15 U
Aroclor 1242	17 U	17 U	16 U	16 U	16 U	17 U
Aroclor 1248	3.2 U	3.3 U	3.2 U	3.2 U	3.2 U	3.3 U
Aroclor 1254	6.9 U	7 U	6.7 U	6.8 U	6.9 U	7.1 U
Aroclor 1260	15 U	15 U	14 U	14 U	14 U	15 U

NOTE:

ug/kg - micrograms per k

U - Analyte not detected

dup - denotes field duplic

Summary of Total PCBs in Soil
Caemmerer Yard East Investigation

Table O.2-57

Sample ID	SB-HE-1	SB-HE-14 2-4'	SB-HE-14 4-6'	SB-HE-14 16-18'	SB-HE-12 0-1'	SB-HE-12 1-3'	SB-HE-12 3-5'
Lab ID	N80038-6	N80038-7	N80038-8	N80038-9	N80164-1	N80164-2	N80164-3
Sample Depth		2'-4'	4'-6'	16'-18'	0'-1'	1'-3'	3'-5'
Matrix	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
Unit	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Aroclor 1016	14 U	15 U	15 U	15 U	14 U	15 U	15 U
Aroclor 1221	9.1 U	9.8 U	9.6 U	10 U	9.4 U	9.8 U	10 U
Aroclor 1232	13 U	14 U	13 U	14 U	13 U	14 U	14 U
Aroclor 1242	15 U	16 U	16 U	16 U	15 U	16 U	16 U
Aroclor 1248	2.9 U	3.1 U	3 U	3.2 U	3 U	3.1 U	3.2 U
Aroclor 1254	6.1 U	115	6.5 U	6.8 U	6.3 U	6.6 U	6.7 U
Aroclor 1260	13 U	14 U	14 U	14 U	13 U	14 U	14 U

NOTE:

ug/kg - micrograms per k

U - Analyte not detected

dup - denotes field duplic

**Summary of Total PCBs in Soil
Caemmerer Yard East Investigation**

Table O.2-57

Sample ID	SB-HE-12 5-7	SB-HE-59 5-7' (dup)	SB-HE-12 9-11
Lab ID	N80164-4	N80164-5	N80164-8
Sample Depth	5'-7'	5-7'	9'-11'
Matrix	SOIL	SOIL	SOIL
Unit	ug/kg	ug/kg	ug/kg
Aroclor 1016	15 U	15 U	17 U
Aroclor 1221	9.9 U	9.7 U	11 U
Aroclor 1232	14 U	13 U	15 U
Aroclor 1242	16 U	16 U	18 U
Aroclor 1248	3.1 U	3.1 U	3.5 U
Aroclor 1254	6.7 U	6.5 U	7.4 U
Aroclor 1260	14 U	14 U	16 U

NOTE:

ug/kg - micrograms per k

U - Analyte not detected

dup - denotes field dupli

**Summary of Total Metals in Soil
Caemmerer Yard East Investigation**

Table O.2-56

Sample ID	SB-HE-04	SB-HE-04	SB-HE-04	SB-HE-05	SB-HE-05	SB-HE-05
Lab ID	N80264-1	N80264-2	N80264-3	N80264-4	N80264-5	N80264-6
Matrix	Soil	Soil	Soil	Soil	Soil	Soil
Sample Depth	0'-2'	4'-6'	12'-13.5'	0'-2'	4'-6'	6'-7'
Unit	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Aluminum	2440	2550	6490	2390	5850	3540
Antimony	0.71 U	0.76 U	0.93 U	0.78 U	0.77 U	0.79 U
Arsenic	2.4	1.9	0.76 U	11.6	2.3	1.2
Barium	0.32 U	0.34 U	74.8	0.35 U	53.1	35.6
Beryllium	0.019 U	0.021 U	0.025 U	0.021 U	0.021 U	0.022 U
Cadmium	0.058 U	0.062 U	0.076 U	0.064 U	0.063 U	0.065 U
Calcium	3590	7.8 U	1220	3960	7870	1460
Chromium	11.3	10.2	28.3	20.3	17.4	21.2
Cobalt	18.8	0.11 U	7.2	11.8	5.8	10.8
Copper	101	9.2	12.8	54.9	16.2	11
Iron	18800	10800	13800	17200	11700	8250
Lead	10.5	5.5	6.2	9	30.6	7.2
Magnesium	1810	880	3260	1890	2740	1510
Manganese	141	179	262	128	198	218
Mercury	0.0062 U	0.0062 U	0.0062 U	0.006 U	0.071	0.0063 U
Nickel	22.7	15.5	55.4	16.2	18.1	36.5
Potassium	772	536	2720	802	1750	992
Selenium	1.3	1.1	1.3	1.4	0.94 U	0.97 U
Silver	0.18 U	0.19 U	0.23 U	0.19 U	0.19 U	6.6
Sodium	36 U	38 U	47 U	39 U	39 U	40 U
Thallium	0.74 U	0.79 U	0.97 U	0.81 U	0.8 U	0.83 U
Vanadium	32.9	8.1	18.1	35.3	17.2	11
Zinc	28.1	13	29.6	27.2	33.1	18.2

NOTE:

mg/kg - milligrams per kilogram

dup - denotes field duplicate of preceding sample (QA/QC)

B - Analyte detected in the associated method blank

U - Analyte not detected at method detection level

**Summary of Total Metals in Soil
Caemmerer Yard East Investigation**

Table O.2-56

Sample ID	SB-HE-06	SB-HE-06	SB-HE-06	SB-EE-01 14'-16'	SB-EE-01 2'-4'
Lab ID	N80264-7	N80264-8	N80264-9	N78545-5	N78384-1
Matrix	Soil	Soil	Soil	Soil	Soil
Sample Depth	2'-4'	4'-6'	10'-12'	14'-16'	2'-4'
Unit	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Aluminum	3010	9280	7940	8860	6320
Antimony	0.87 U	0.78 U	0.83 U	0.93 U	3.6
Arsenic	0.71 U	1.5	2.1	2.1	12.3
Barium	30.1	89	137	89.5	102
Beryllium	0.024 U	0.76	0.58	0.025 U	0.025 U
Cadmium	0.071 U	0.064 U	0.068 U	0.79	4.1
Calcium	1500	2360	2250	4180	5350
Chromium	9.6	25	21.5	18	19.3
Cobalt	26.4	15.6	8.3	8.1	20.2
Copper	15.9	41.4	14.8	17	647
Iron	6780	13700	16800	15800	55400
Lead	11.7	7.5	7.6	7.8	216
Magnesium	1270	3910	4190	3800	2210
Manganese	123	197	215	355	276
Mercury	0.0067 U	0.0062 U	0.0063 U	0.0072 U	0.7
Nickel	8.5	56.2	38.5	18.9	41.9
Potassium	900	2170	2690	2690	860
Selenium	1.1 U	0.95 U	1.2	1.1 U	1.1 U
Silver	0.21 U	0.19 U	0.2 U	0.23 U	0.22 U
Sodium	44 U	39 U	42 U	47 U	46 U
Thallium	0.9 U	0.81 U	0.86 U	0.96 U	0.94 U
Vanadium	12	18.1	21.2	21.5	21.7
Zinc	21.3	46.8	35.2	33.4	404

NOTE:

mg/kg - milligrams per kilogram

dup - denotes field duplicate of preceding sample (QA/QC)

B - Analyte detected in the associated method blank

U - Analyte not detected at method detection level

**Summary of Total Metals in Soil
Caemmerer Yard East Investigation**

Table O.2-56

Sample ID Lab ID Matrix Sample Depth Unit	SB-EE-02 0'-2' N78545-4 Soil 0'-2' mg/kg	SB-EE-02 14'-16' N78651-3 Soil 14'-16' mg/kg	SB-EE-03 16-18' N78921-2 Soil 16'-18' mg/kg	SB-EE-03 22-24' N78921-3 Soil 22'-24' mg/kg
Aluminum	5260	7190	10600	9330
Antimony	1.3	0.9 U	0.87 U	0.95 U
Arsenic	22.8	2	2.3	1.9
Barium	124	90.2	109	138
Beryllium	0.024 U	0.025 U	0.61	0.026 U
Cadmium	5.5	0.074 U	0.072 U	0.078 U
Calcium	8710	1890	2580	15200
Chromium	18.6	17.5	31	31.4
Cobalt	23.6	6.6	8.6	8.9
Copper	538	18.1	15.5	14.3
Iron	102000	12600	18000	17800
Lead	507	7.4	7.8	7.8
Magnesium	1780	3190	4050	6880
Manganese	253	305	368	441
Mercury	4.3	0.0069 U	0.0068 U	0.0074 U
Nickel	36.9	22.4	21.1	60.3
Potassium	1160	2140	2830	3040
Selenium	2.4	1.1 U	1.1 U	1.2 U
Silver	0.22 U	0.22 U	0.21 U	0.23 U
Sodium	45 U	46 U	986	48 U
Thallium	0.92 U	0.94 U	0.91 U	0.99 U
Vanadium	17.9	17.1	23.4	22.6
Zinc	258	26.1	39.7	34.4

NOTE:

mg/kg - milligrams per kilogram

dup - denotes field duplicate of preceeding sample (QA/QC)

B - Analyte detected in the associated method blank

U - Analyte not detected at method detection level

**Summary of Total Metals in Soil
Caemmerer Yard East Investigation**

Table O.2-56

Sample ID	SB-EE-04 14-16'	SB-EE-04 24-26'	SB-EE-04 6-8'
Lab ID	N78921-5	N78921-6	N78921-4
Matrix	Soil	Soil	Soil
Sample Depth	14'-16'	24'-26'	6'-8'
Unit	mg/kg	mg/kg	mg/kg
Aluminum	11400	4160	11300
Antimony	0.87 U	0.86 U	0.81 U
Arsenic	1.6	1.2	3.1
Barium	82.4	39.5	78.6
Beryllium	0.024 U	0.023 U	0.022 U
Cadmium	0.071 U	0.07 U	0.066 U
Calcium	1750	1140	1820
Chromium	37.5	17	22.2
Cobalt	9.7	0.13 U	7.4
Copper	15.1	8.5	21.8
Iron	17400	8490	18600
Lead	7.3	3.4	36.8
Magnesium	3630	1820	3380
Manganese	400	215	258
Mercury	0.0064 U	0.0063 U	0.34
Nickel	26.7	26	28.2
Potassium	2470	970	2420
Selenium	1.1 U	1 U	0.98 U
Silver	0.21 U	0.21 U	0.2 U
Sodium	44 U	43 U	41 U
Thallium	0.91 U	0.89 U	0.84 U
Vanadium	24.1	10.5	26.4
Zinc	35.1	14.1	47.6

NOTE:

mg/kg - miligrams per kilogram

dup - denotes field duplicate of preceeding sample (QA/QC)

B - Analyte detected in the associated method blank

U - Analyte not detected at method detection level

**Summary of Total Metals in Soil
Caemmerer Yard East Investigation**

Table O.2-56

Sample ID	SB-EE-05 0-2'	SB-EE-05 12'-14'	SB-EE-05 22'-24'	SB-EE-06 12-14'
Lab ID	N79268-6	N79408-1	N79408-2	N78921-11
Matrix	Soil	Soil	Soil	Soil
Sample Depth	0'-2'	12'-14'	22'-24'	12'-14'
Unit	mg/kg	mg/kg	mg/kg	mg/kg
Aluminum	7870	12400	5200	10100
Antimony	0.82 U	0.84 U	0.96 U	0.96 U
Arsenic	3.3	4.3	0.79 U	2.8
Barium	59.1	42.9	33	63.9
Beryllium	0.023 U	0.023 U	0.026 U	0.026 U
Cadmium	0.068 U	0.069 U	0.079 U	0.079 U
Calcium	13600	953	1110	1900
Chromium	14.4	25.7	12.6	18.5
Cobalt	13	8.3	0.14 U	7.2
Copper	43.3	18.3	8.5	23.6
Iron	14200	22700	9940	16300
Lead	170	7.3	3.8	27.9
Magnesium	4580	2850	2010	2840
Manganese	372	467	266	345
Mercury	0.69	0.0061 U	0.0069 U	0.39
Nickel	17.2	16.9	14.9	17.3
Potassium	1450	1260	1340	1660
Selenium	1 U	1 U	1.2 U	1.2 U
Silver	2.8	0.21 U	0.24 U	0.24 U
Sodium	42 U	635	48 U	48 U
Thallium	0.86 U	0.87 U	1 U	1 U
Vanadium	17.2	31.6	13.2	19.2
Zinc	N/A	29.7	17	35.5

NOTE:

mg/kg - milligrams per kilogram

dup - denotes field duplicate of preceding sample (QA/QC)

B - Analyte detected in the associated method blank

U - Analyte not detected at method detection level

**Summary of Total Metals in Soil
Caemmerer Yard East Investigation**

Table O.2-56

Sample ID	SB-EE-06 8-10'	SB-HE-07 0-2'	SB-HE-07 2-3'	SB-HE-08 0-2'
Lab ID	N78921-10	N79713-6	N79713-7	N79713-4
Matrix	Soil	Soil	Soil	Soil
Sample Depth	8-10'	0'-2'	2'-3'	0'-2'
Unit	mg/kg	mg/kg	mg/kg	mg/kg
Aluminum	9310	7110	3420	8810
Antimony	0.92 U	0.79 U	0.79 U	0.96 U
Arsenic	4.1	2.9	0.65 U	1.9
Barium	94.7	60.6	22.4	71.7
Beryllium	0.025 U	0.022 U	0.022 U	0.026 U
Cadmium	0.075 U	0.065 U	0.065 U	0.079 U
Calcium	3230	53100	15400	74100
Chromium	16.9	12.7	8.8	14.4
Cobalt	0.14 U	5.6	7.2	6.6
Copper	34.8	24.3	19.9	19.5
Iron	15000	11700	13500	13800
Lead	41.7	25.2	8.5	13.4
Magnesium	2660	5450	2790	9290
Manganese	250	168	115	180
Mercury	0.089	0.043	0.0057 U	0.0072 U
Nickel	21.7	10.1	8.7	11.4
Potassium	1310	1770	1000	2080
Selenium	1.1 U	0.96 U	0.96 U	1.2 U
Silver	0.23 U	0.19 U	0.19 U	0.24 U
Sodium	46 U	40 U	40 U	49 U
Thallium	0.95 U	0.82 U	0.82 U	1 U
Vanadium	17	25.3	35.6	25.5
Zinc	66.1	42.6	18	54.2

NOTE:

mg/kg - milligrams per kilogram

dup - denotes field duplicate of preceding sample (QA/QC)

B - Analyte detected in the associated method blank

U - Analyte not detected at method detection level

**Summary of Total Metals in Soil
Caemmerer Yard East Investigation**

Table O.2-56

Sample ID Lab ID Matrix Sample Depth Unit	SB-HE-08 0-2' N79713-5 Soil 0'-2' mg/kg	SB-HE-09 2-4' N79580-4 Soil 2'-4' mg/kg	SB-HE-09 8-9' N79580-5 Soil 8'-9' mg/kg	SB-HE-10 0-2' N79713-1 Soil 0'-2' mg/kg
Aluminum	8600	6170	18800	2710
Antimony	0.98 U	0.74 U	0.69 U	0.81 U
Arsenic	1.5	1.8	1.4	2.1
Barium	30.2	40.7	250	0.37 U
Beryllium	0.027 U	0.02 U	0.019 U	0.022 U
Cadmium	0.081 U	0.06 U	0.056 U	0.067 U
Calcium	83800	59300	1740	3390
Chromium	9.4	10.2	56.3	9.3
Cobalt	0.15 U	6.5	21.8	9
Copper	12.3	18.6	46.5	32.8
Iron	15200	13100	36900	16800
Lead	10.3	12.8	3.9	3.2
Magnesium	5810	10100	10100	2180
Manganese	180	164	495	101
Mercury	0.0073 U	0.0064 U	0.0054 U	0.0064 U
Nickel	5.9	8.1	38.5	12
Potassium	855	1960	13200	1050
Selenium	1.2 U	0.9 U	0.84 U	0.99 U
Silver	0.24 U	0.18 U	0.17 U	0.2 U
Sodium	690	782	35 U	41 U
Thallium	1 U	0.77 U	0.72 U	0.85 U
Vanadium	28.6	18.9	77	56.9
Zinc	51.8	55.1	74.4	14.2

NOTE:

mg/kg - miligrams per kilogram

dup - denotes field duplicate of preceeding sample (QA/QC)

B - Analyte detected in the associated method blank

U - Analyte not detected at method detection level

**Summary of Total Metals in Soil
Caemmerer Yard East Investigation**

Table O.2-56

Sample ID Lab ID Matrix Sample Depth Unit	SB-HE-10 4-6' N79713-2 Soil 4'-6' mg/kg	SB-HE-55 4-6' (dup) N79713-3 Soil 4'-6' mg/kg	SB-HE-11 1'-2' N78305-5 Soil 1'-2' mg/kg	SB-HE-11 12'-14' N78384-7 Soil 12'-14' mg/kg
Aluminum	6560	5400	7190	10900
Antimony	0.87 U	0.86 U	1.8	0.95 U
Arsenic	2	1.9	7.4	6.6
Barium	95.6	66.3	91.2	119
Beryllium	0.024 U	0.023 U	0.025 U	0.026 U
Cadmium	0.071 U	0.07 U	1.7	0.92
Calcium	2310	1760	31700	2620
Chromium	15.1	12	15.4	18.6
Cobalt	7	0.13 U	7.9	8.3
Copper	11	8.6	132	27.4
Iron	13000	10800	23800	18900
Lead	5.5	4.4	253	58.6
Magnesium	2570	2000	9320	3140
Manganese	572	103	301	454
Mercury	0.0066 U	0.0067 U	2.1	0.087
Nickel	18.4	11.2	16.6	17.1
Potassium	1940	1600	2050	1510
Selenium	1.1 U	1 U	1.1 U	1.2 U
Silver	0.21 U	0.21 U	0.23 U	0.23 U
Sodium	44 U	43 U	47 U	48 U
Thallium	0.9 U	0.89 U	0.96 U	0.99 U
Vanadium	21.3	17.4	24	25.3
Zinc	24	17	158	42.7

NOTE:

mg/kg - milligrams per kilogram

dup - denotes field duplicate of preceeding sample (QA/QC)

B - Analyte detected in the associated method blank

U - Analyte not detected at method detection level

**Summary of Total Metals in Soil
Caemmerer Yard East Investigation**

Table O.2-56

Sample ID	SB-HE-11 20'-23'	SB-HE-11 2'-4'	SB-HE-11 4'-6'	SB-HE-13 10'-12'
Lab ID	N78384-8	N78384-5	N78384-6	N78545-9
Matrix	Soil	Soil	Soil	Soil
Sample Depth	20'-23'	2'-4'	4'-6'	10'-12'
Unit	mg/kg	mg/kg	mg/kg	mg/kg
Aluminum	5370	9650	9990	19900
Antimony	0.78 U	0.77 U	0.9 U	0.78 U
Arsenic	1.8	4.7	23	6.6
Barium	60.6	88.4	217	105
Beryllium	0.021 U	0.021 U	0.025 U	0.021 U
Cadmium	0.62	1.4	0.83	1.1
Calcium	1310	3930	4720	8340
Chromium	43.5	18.2	21.2	24.2
Cobalt	7.3	9.3	7.7	15.2
Copper	15.4	80.6	58	36.7
Iron	11700	22300	16500	24900
Lead	12.4	135	229	16400
Magnesium	2490	3520	3050	10000
Manganese	275	288	316	228
Mercury	0.037	0.34	0.5	0.0064 U
Nickel	115	18.8	17.2	27
Potassium	1510	2520	1860	6840
Selenium	0.95 U	0.94 U	1.1 U	0.95 U
Silver	0.19 U	0.19 U	0.22 U	1.1
Sodium	39 U	39 U	46 U	1490
Thallium	0.81 U	0.8 U	0.94 U	0.81 U
Vanadium	15	27.5	21	80.4
Zinc	18.6	107	48.3	56.1

NOTE:

mg/kg - milligrams per kilogram

dup - denotes field duplicate of preceeding sample (QA/QC)

B - Analyte detected in the associated method blank

U - Analyte not detected at method detection level

**Summary of Total Metals in Soil
Caemmerer Yard East Investigation**

Table O.2-56

Sample ID	SB-HE-13 2'-4'	SB-HE-13 4'-6'	SB-HE-13 6'-8'	SB-HE-14/0-2
Lab ID	N78545-1	N78545-2	N78545-3	N79714-1
Matrix	Soil	Soil	Soil	Soil
Sample Depth	2'-4'	4'-6'	6'-8'	0'-2'
Unit	mg/kg	mg/kg	mg/kg	mg/kg
Aluminum	9310	10200	11700	6890
Antimony	0.82 U	0.81 U	0.79 U	1.3
Arsenic	3.8	3.5	3.2	10
Barium	56.2	62.9	101	124
Beryllium	0.022 U	0.022 U	0.022 U	0.023 U
Cadmium	1.1	0.95	1.3	0.69
Calcium	1600	1740	1860	12400
Chromium	15.7	15.3	18.9	17.6
Cobalt	8.4	8.5	11.8	8.6
Copper	29.1	31.4	29.4	103
Iron	21100	17400	22900	30600
Lead	59.8	61.1	47.8	240
Magnesium	2750	3050	4720	2460
Manganese	416	261	289	219
Mercury	0.43	0.11	0.11	0.5
Nickel	15.5	15.7	19.2	27.5
Potassium	1270	1440	3770	1430
Selenium	0.99 U	0.98 U	0.96 U	1 U
Silver	0.2 U	0.2 U	0.2 U	0.21 U
Sodium	41 U	41 U	40 U	43 U
Thallium	0.85 U	0.84 U	0.82 U	0.88 U
Vanadium	21.9	19.7	30.5	19.9
Zinc	54.7	52	74.5	185

NOTE:

mg/kg - milligrams per kilogram

dup - denotes field duplicate of preceding sample (QA/QC)

B - Analyte detected in the associated method blank

U - Analyte not detected at method detection level

**Summary of Total Metals in Soil
Caemmerer Yard East Investigation**

Table O.2-56

Sample ID	SB-HE-15 28-30'	SB-HE-15 6-8'	SB-HE-16	SB-HE-16	SB-HE-16
Lab ID	N79519-4	N79519-2	N78305-4	N78305-1	N78305-2
Matrix	Soil	Soil	Soil	Soil	Soil
Sample Depth	28'-30'	6'-8'	12'-14'	1'-2'	4'-6'
Unit	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Aluminum	4160	7720	6990	6150	4420
Antimony	0.92 U	0.85 U	1.2 U	1.7	9.5
Arsenic	0.76 U	2.8	4.4	8.9	7.8
Barium	40.2	49.2	60.1	68.8	49.3
Beryllium	0.025 U	0.023 U	0.032 U	0.023 U	0.022 U
Cadmium	0.076 U	0.07 U	1.3	1.8	1.8
Calcium	9410	4000	7490	11700	25200
Chromium	16.7	12.3	13.3	13	13.6
Cobalt	0.14 U	0.13 U	0.18 U	10.7	8.1
Copper	7.6	28.6	203	353	1060
Iron	9490	14800	14500	29100	27000
Lead	2.7	67.9	98.9	342	349
Magnesium	6410	2340	3480	2060	3100
Manganese	174	200	288	256	298
Mercury	0.0064 U	0.12	1.1	0.83	5.4
Nickel	28.3	11.9	14	20.3	20
Potassium	1250	949	1200	797	705
Selenium	1.1 U	1 U	1.4 U	1 U	1 U
Silver	0.23 U	0.21 U	0.29 U	0.2 U	0.2 U
Sodium	47 U	43 U	60 U	42 U	41 U
Thallium	0.96 U	0.89 U	1.2 U	0.86 U	0.85 U
Vanadium	10.9	14.4	15.4	18	20.5
Zinc	19	40.8	91.3	155	235

NOTE:

mg/kg - milligrams per kilogram

dup - denotes field duplicate of preceding sample (QA/QC)

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U - Analyte not detected at method detection level

**Summary of Total Metals in Soil
Caemmerer Yard East Investigation**

Table O.2-56

Sample ID	SB-HE-16	SB-HE-18 10'-12'	SB-HE-18 16'-18'	SB-HE-18 2'-4'
Lab ID	N78305-3	N78776-5	N78776-6	N78384-3
Matrix	Soil	Soil	Soil	Soil
Sample Depth	17'-19'	10'-12'	16'-18'	2'-4'
Unit	mg/kg	mg/kg	mg/kg	mg/kg
Aluminum	6350	10500	8580	6660
Antimony	0.93 U	0.89 U	0.88 U	0.88 U
Arsenic	1.6	2	2.1	9.9
Barium	70.7	80	70	51.7
Beryllium	0.025 U	0.024 U	0.024 U	0.024 U
Cadmium	0.66	1.1	0.97	2.4
Calcium	2150	11500	1880	8660
Chromium	19.7	20.3	22.9	12
Cobalt	6.6	9.6	8	12.5
Copper	13.4	44.8	18.3	363
Iron	12800	18800	17700	31700
Lead	7.3	53.2	7.5	231
Magnesium	2840	5390	3420	2480
Manganese	218	363	259	303
Mercury	0.0068 U	0.084	0.0071 U	1
Nickel	24.6	25.2	26.2	24.7
Potassium	2110	4800	2660	833
Selenium	1.1 U	1.1 U	1.1 U	1.5
Silver	0.23 U	0.22 U	0.22 U	0.22 U
Sodium	47 U	45 U	44 U	45 U
Thallium	0.96 U	0.93 U	0.91 U	0.92 U
Vanadium	16.7	25.2	25	18.1
Zinc	24.4	69.3	36.2	411

NOTE:

mg/kg - miligrams per kilogram

dup - denotes field duplicate of preceeding sample (QA/QC)

B - Analyte detected in the associated method blank

U - Analyte not detected at method detection level

**Summary of Total Metals in Soil
Caemmerer Yard East Investigation**

Table O.2-56

Sample ID Lab ID Matrix Sample Depth Unit	SB-HE-18 6'-8' N78776-3 Soil 6'-8' mg/kg	SB-HE-18 8'-10' N78776-4 Soil 8'-10' mg/kg	SB-HE-19 12'-14' N78651-5 Soil 12'-14' mg/kg	SB-HE-19 20'-21' N78651-6 Soil 20'-21' mg/kg
Aluminum	8900	12200	10400	6490
Antimony	0.8 U	0.92 U	0.89 U	0.91 U
Arsenic	5.2	1.9	3.3	3.8
Barium	80.6	96.3	60.1	90
Beryllium	0.022 U	0.025 U	0.024 U	0.025 U
Cadmium	1.5	1.5	0.073 U	0.075 U
Calcium	4220	2410	1160	1980
Chromium	21.2	25.7	22.9	13.6
Cobalt	10.4	13.4	8.4	0.14 U
Copper	106	37.8	14.2	11.4
Iron	22800	23400	19000	11900
Lead	78.9	20	10.6	5.7
Magnesium	4660	7210	2920	2620
Manganese	421	561	654	252
Mercury	0.61	0.95	0.052	0.0069 U
Nickel	22.8	22.8	15.9	15.1
Potassium	4590	8770	2050	2020
Selenium	0.98 U	1.1 U	1.1 U	1.1 U
Silver	0.2 U	0.23 U	0.22 U	0.23 U
Sodium	41 U	47 U	45 U	46 U
Thallium	0.84 U	0.96 U	0.92 U	0.95 U
Vanadium	22.3	26	25.8	16.6
Zinc	203	115	52.5	23.5

NOTE:

mg/kg - milligrams per kilogram

dup - denotes field duplicate of preceeding sample (QA/QC)

B - Analyte detected in the associated method blank

U - Analyte not detected at method detection level

**Summary of Total Metals in Soil
Caemmerer Yard East Investigation**

Table O.2-56

Sample ID Lab ID Matrix Sample Depth Unit	SB-HE-19 2'-4' N78545-7 Soil 2'-4' mg/kg	SB-HE-19 4'-6' N78545-8 Soil 4'-6' mg/kg	SB-HE-19 8'-10' N78651-4 Soil 8'-10' mg/kg	SB-HE-20 10-12' N79518-3 Soil 10'-12' mg/kg
Aluminum	5060	12000	9250	9580
Antimony	0.79 U	0.81 U	0.86 U	0.92 U
Arsenic	5.1	2.7	1.9	3.2
Barium	43.9	62.9	64.1	53.2
Beryllium	0.022 U	0.022 U	0.024 U	0.025 U
Cadmium	1.1	0.77	0.071 U	0.076 U
Calcium	21400	1760	1630	850
Chromium	8.7	15.5	14	30.3
Cobalt	0.12 U	6.6	9	6.9
Copper	169	26.6	33.6	9.2
Iron	17100	16100	17500	18800
Lead	190	29.4	24.7	5
Magnesium	4380	2930	4500	1960
Manganese	198	487	348	1000
Mercury	0.73	0.14	0.25	0.0067 U
Nickel	10.3	14.5	15	13.7
Potassium	861	1260	4720	866
Selenium	0.96 U	0.98 U	1 U	1.1 U
Silver	0.19 U	0.2 U	0.21 U	0.23 U
Sodium	40 U	41 U	43 U	47 U
Thallium	0.82 U	0.84 U	0.89 U	0.96 U
Vanadium	15	19.3	26.1	25.2
Zinc	76.3	46.2	76.5	21.5

NOTE:

mg/kg - milligrams per kilogram

dup - denotes field duplicate of preceeding sample (QA/QC)

B - Analyte detected in the associated method blank

U - Analyte not detected at method detection level

**Summary of Total Metals in Soil
Caemmerer Yard East Investigation**

Table O.2-56

Sample ID Lab ID Matrix Sample Depth Unit	SB-HE-20 4-6' N79518-1 Soil 4'-6' mg/kg	SB-HE-20 8-10' N79518-2 Soil 8'-10' mg/kg	SB-HE-21 10-12' N79519-5 Soil 10'-12' mg/kg	SB-HE-21 2'-4' N78651-1 Soil 2'-4' mg/kg
Aluminum	10500	10000	11900	23700
Antimony	0.95 U	0.88 U	1.2 U	22 U
Arsenic	2.2	2.1	3.9	31.7
Barium	83.6	82.7	74.2	9.7 U
Beryllium	0.026 U	0.6	0.032 U	0.59 U
Cadmium	0.078 U	0.072 U	0.095 U	1.8 U
Calcium	3250	1720	8990	34500
Chromium	27.9	21.1	19.7	4.1 U
Cobalt	9.3	8.4	0.17 U	3.2 U
Copper	16.5	15.5	17.9	95.8
Iron	19900	20000	18600	17400
Lead	7.9	7.2	54.7	98.2
Magnesium	3380	3630	4920	66 U
Manganese	264	422	421	793
Mercury	0.0068 U	0.0072 U	0.054	0.87
Nickel	27.5	22.1	16.4	15 U
Potassium	1940	2510	1310	280 U
Selenium	1.2 U	1.1 U	1.4 U	26 U
Silver	0.24 U	0.22 U	0.29 U	5.3 U
Sodium	48 U	44 U	59 U	1100 U
Thallium	0.99 U	0.91 U	1.2 U	22 U
Vanadium	26.7	24.9	24.2	6.5 U
Zinc	30.1	34.7	33.7	107

NOTE:

mg/kg - milligrams per kilogram

dup - denotes field duplicate of preceding sample (QA/QC)

B - Analyte detected in the associated method blank

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**Summary of Total Metals in Soil
Caemmerer Yard East Investigation**

Table O.2-56

Sample ID	SB-HE-21 24-26'	SB-HE-21 4'-6'	SB-HE-22 18-20	SB-HE-22 8-10
Lab ID	N79519-6	N78651-2	N79580-3	N79580-2
Matrix	Soil	Soil	Soil	Soil
Sample Depth	24'-26'	4'-6'	18'-20'	8'-10'
Unit	mg/kg	mg/kg	mg/kg	mg/kg
Aluminum	10300	9470	9350	10100
Antimony	0.85 U	0.81 U	0.87 U	0.77 U
Arsenic	2.9	2.7	4	2.6
Barium	73.2	56.1	108	100
Beryllium	0.69	0.022 U	0.024 U	0.021 U
Cadmium	0.07 U	0.067 U	0.071 U	0.063 U
Calcium	2470	1520	35100	55600
Chromium	24.4	15.4	20.6	21.5
Cobalt	9.7	8.9	10.1	9.6
Copper	18.6	33.7	36.3	34.7
Iron	22700	13000	20000	20600
Lead	8.3	16.9	123	12
Magnesium	4150	2780	6450	7490
Manganese	177	143	179	199
Mercury	0.0073 U	0.1	0.091	0.0059 U
Nickel	28.3	16	16.3	14.7
Potassium	2590	1540	4630	4880
Selenium	1 U	0.99 U	1.1 U	0.94 U
Silver	0.21 U	0.2 U	0.21 U	0.19 U
Sodium	43 U	41 U	44 U	39 U
Thallium	0.88 U	0.84 U	0.9 U	0.8 U
Vanadium	26.6	26.2	35.3	35.7
Zinc	37.5	30.9	113	54.4

NOTE:

mg/kg - milligrams per kilogram

dup - denotes field duplicate of preceeding sample (QA/QC)

B - Analyte detected in the associated method blank

U - Analyte not detected at method detection level

**Summary of Total Metals in Soil
Caemmerer Yard East Investigation**

Table O.2-56

Sample ID	SB-HE-23 2-4'	SB-HE-23 4-6'	SB-HE-23 6-8'	SB-HE-24 0-2'
Lab ID	N79518-4	N79518-5	N79518-6	N79268-1
Matrix	Soil	Soil	Soil	Soil
Sample Depth	2'-4'	4'-6'	6'-8'	0'-2'
Unit	mg/kg	mg/kg	mg/kg	mg/kg
Aluminum	10000	9080	7180	4310
Antimony	0.75 U	0.88 U	0.8 U	1.2
Arsenic	2.6	2.3	1.7	7.3
Barium	39.6	38.1	41.5	54.2
Beryllium	0.021 U	0.024 U	0.022 U	0.58
Cadmium	0.062 U	0.072 U	0.066 U	0.063 U
Calcium	1060	2330	886	9150
Chromium	26	30.6	23.7	9.4
Cobalt	5.4	0.13 U	5.6	5.4
Copper	8.3	8.8	10.5	80.3
Iron	14600	14600	13100	16000
Lead	10	5.4	4.6	182
Magnesium	1940	2420	1980	2290
Manganese	386	313	125	221
Mercury	0.0059 U	0.0062 U	0.0067 U	0.45
Nickel	10.1	10.8	12.8	13.7
Potassium	661	955	1290	1160
Selenium	0.92 U	1.1 U	0.98 U	0.94 U
Silver	0.19 U	0.22 U	0.2 U	0.19 U
Sodium	38 U	44 U	40 U	39 U
Thallium	0.78 U	0.91 U	0.83 U	0.8 U
Vanadium	21.8	21.2	17.8	17.8
Zinc	23	21.9	20.7	113

NOTE:

mg/kg - milligrams per kilogram

dup - denotes field duplicate of preceding sample (QA/QC)

B - Analyte detected in the associated method blank

U - Analyte not detected at method detection level

**Summary of Total Metals in Soil
Caemmerer Yard East Investigation**

Table O.2-56

Sample ID	SB-HE-24 12-14	SB-HE-24 22-24	SB-HE-24 2-4	SB-HE-24 6-8
Lab ID	N79268-4	N79268-5	N79268-2	N79268-3
Matrix	Soil	Soil	Soil	Soil
Sample Depth	12'-14'	22'-24'	2'-4'	6'-8'
Unit	mg/kg	mg/kg	mg/kg	mg/kg
Aluminum	9010	4020	5760	11200
Antimony	0.81 U	0.85 U	0.78 U	0.86 U
Arsenic	2.9	1.2	4.1	2.6
Barium	68.5	40.3	43.5	90.2
Beryllium	0.022 U	0.023 U	0.021 U	0.024 U
Cadmium	0.067 U	0.07 U	0.064 U	0.071 U
Calcium	3340	678	3730	1990
Chromium	41.7	19.6	10.8	24.9
Cobalt	8.5	0.13 U	6.2	10.8
Copper	35.2	9.9	65.3	49.7
Iron	19500	8340	17000	22500
Lead	34.1	3.1	122	32.8
Magnesium	3540	1600	2360	3940
Manganese	302	91.3	213	252
Mercury	0.087	0.007 U	0.33	0.078
Nickel	23.7	28.6	13.9	21.4
Potassium	2410	670	1270	3990
Selenium	0.99 U	1 U	0.95 U	1.1 U
Silver	0.2 U	0.21 U	0.19 U	0.21 U
Sodium	41 U	43 U	39 U	44 U
Thallium	0.85 U	0.88 U	0.81 U	0.9 U
Vanadium	26.3	11.5	13.7	41
Zinc	40.9	12.7	84	54.8

NOTE:

mg/kg - miligrams per kilogram

dup - denotes field duplicate of preceeding sample (QA/QC)

B - Analyte detected in the associated method blank

U - Analyte not detected at method detection level

**Summary of Total Metals in Soil
Caemmerer Yard East Investigation**

Table O.2-56

Sample ID Lab ID Matrix Sample Depth Unit	SB-U-01 8-10' N78776-1 Soil 8-10' mg/kg	SB-U-02 8-10' N78776-2 Soil 8-10' mg/kg	SB-HE-17/2-4 N79714-3 Soil 2'-4' mg/kg	SB-HE-25/0-2 N79714-4 Soil 0'-2' mg/kg
Aluminum	7840	8340	5260	5690
Antimony	0.84 U	0.81 U	1.6	0.77 U
Arsenic	1.6	2.1	9.9	5.2
Barium	57.5	87.8	79.7	92.2
Beryllium	0.023 U	0.022 U	0.025 U	0.021 U
Cadmium	0.68	0.73	0.63	0.063 U
Calcium	2410	1760	9780	11900
Chromium	16.3	20.2	11.4	14.9
Cobalt	6.4	7	9.3	6.2
Copper	19.2	16.1	272	62.3
Iron	12800	13400	24500	20200
Lead	1330	14.2	422	157
Magnesium	2980	2580	3140	2280
Manganese	293	453	247	209
Mercury	0.0066 U	0.0064 U	2.4	0.26
Nickel	16.1	15.8	18.1	18.6
Potassium	1550	2050	865	2110
Selenium	1 U	0.99 U	1.6	0.94 U
Silver	0.21 U	0.2 U	0.22 U	0.19 U
Sodium	42 U	41 U	46 U	896
Thallium	0.87 U	0.84 U	0.95 U	0.8 U
Vanadium	18.3	20.1	17.4	14.8
Zinc	28.5	N/A	365	136

NOTE:

mg/kg - miligrams per kilogram

dup - denotes field duplicate of preceeding sample (QA/QC)

B - Analyte detected in the associated method blank

U - Analyte not detected at method detection level

**Summary of Total Metals in Soil
Caemmerer Yard East Investigation**

Table O.2-56

Sample ID	SB-HE-56/0-2 (dup)	SB-HE-57/2-4	SB-HE-01 2-4'	SB-HE-01 6-8'
Lab ID	N79714-5	N79714-6	N79886-1	N79886-2
Matrix	Soil	Soil	Soil	Soil
Sample Depth	0'-2'	2'-4'	2'-4'	6'-8'
Unit	mg/kg	mg/kg	mg/kg	mg/kg
Aluminum	4800	7470	1410	4880
Antimony	0.77 U	2.9	0.79 U	0.84 U
Arsenic	6.4	12.3	2.7	1.8
Barium	88.9	94.4	0.36 U	27.3
Beryllium	0.021 U	0.025 U	0.022 U	0.023 U
Cadmium	0.063 U	1.2	0.065 U	0.069 U
Calcium	11300	11000	690	951
Chromium	13	14.2	9.6	14.7
Cobalt	5.7	11.2	0.12 U	0.13 U
Copper	46.8	456	4.2	82
Iron	22800	33000	4090	8180
Lead	144	637	3.6	5.1
Magnesium	2130	3980	2.4 U	1250
Manganese	172	287	76.8	78.7
Mercury	0.18	5.3	0.0056 U	0.0065 U
Nickel	16.9	24	0.55 U	10.3
Potassium	1980	1040	10 U	951
Selenium	0.94 U	1.9	0.96 U	1 U
Silver	0.19 U	0.22 U	0.19 U	0.21 U
Sodium	890	46 U	40 U	42 U
Thallium	0.8 U	0.95 U	0.82 U	0.87 U
Vanadium	14.6	21.3	0.24 U	15.9
Zinc	159	785	5.4	16.5

NOTE:

mg/kg - milligrams per kilogram

dup - denotes field duplicate of preceeding sample (QA/QC)

B - Analyte detected in the associated method blank

U - Analyte not detected at method detection level

**Summary of Total Metals in Soil
Caemmerer Yard East Investigation**

Table O.2-56

Sample ID	SB-HE-01 8-10'	SB-HE-02 0-2'	SB-HE-02 6-8'	SB-HE-02 8-10'
Lab ID	N79886-3	N79886-4	N79886-5	N79886-6
Matrix	Soil	Soil	Soil	Soil
Sample Depth	8'-10'	0'-2'	6'-8'	8'-10'
Unit	mg/kg	mg/kg	mg/kg	mg/kg
Aluminum	4200	2970	2710	4970
Antimony	0.93 U	0.81 U	0.88 U	0.87 U
Arsenic	1.3	7.5	1.2	1.9
Barium	0.42 U	369	0.4 U	55.3
Beryllium	0.025 U	0.022 U	0.024 U	0.024 U
Cadmium	0.076 U	5.9	0.073 U	0.071 U
Calcium	734	4820	8230	972
Chromium	11.9	51.2	11.2	19.4
Cobalt	0.14 U	11.9	0.13 U	0.13 U
Copper	55.9	435	17.9	34.2
Iron	6660	40600	6930	10100
Lead	4	152	9.9	49.2
Magnesium	1140	2610	1820	1480
Manganese	69.7	289	143	127
Mercury	0.0071 U	0.12	0.047	0.17
Nickel	8.7	42	8.2	16.9
Potassium	901	750	741	1120
Selenium	1.1 U	0.99 U	1.1 U	1.1 U
Silver	0.23 U	0.2 U	0.22 U	0.21 U
Sodium	47 U	41 U	45 U	44 U
Thallium	0.96 U	0.84 U	0.92 U	0.9 U
Vanadium	11.1	32.9	7.1	11.7
Zinc	15.9	275	15	24.5

NOTE:

mg/kg - milligrams per kilogram

dup - denotes field duplicate of preceeding sample (QA/QC)

B - Analyte detected in the associated method blank

U - Analyte not detected at method detection level

**Summary of Total Metals in Soil
Caemmerer Yard East Investigation**

Table O.2-56

Sample ID	SB-EE-03 2-4'	SB-EE-52 2-4' (dup)	SB-HE-03 3.5-5.5'
Lab ID	N79935-3	N79935-1	N80036-1
Matrix	Soil	Soil	Soil
Sample Depth	2'-4'	2'-4'	3.5'-5.5'
Unit	mg/kg	mg/kg	mg/kg
Aluminum	10400	8980	1910
Antimony	0.81 U	0.78 U	0.84 U
Arsenic	2.7	2.5	0.69 U
Barium	31.1	27.4	0.38 U
Beryllium	0.022 U	0.021 U	0.023 U
Cadmium	0.067 U	0.064 U	0.069 U
Calcium	1080	1060	8.7 U
Chromium	13.6	12.9	6.5
Cobalt	6.4	6	0.13 U
Copper	14	13	8.4
Iron	15800	14800	4330
Lead	6.7	5.9	3.3
Magnesium	2910	2850	669
Manganese	177	162	97.4
Mercury	0.0059 U	0.0064 U	0.0066 U
Nickel	15.6	14	0.59 U
Potassium	1250	1190	11 U
Selenium	0.99 U	0.95 U	1 U
Silver	0.2 U	0.19 U	0.21 U
Sodium	41 U	39 U	43 U
Thallium	0.84 U	0.81 U	0.88 U
Vanadium	16.8	16.1	0.25 U
Zinc	170	155	8.7

NOTE:

mg/kg - milligrams per kilogram

dup - denotes field duplicate of preceding sample (QA/QC)

B - Analyte detected in the associated method blank

U - Analyte not detected at method detection level

**Summary of Total Metals in Soil
Caemmerer Yard East Investigation**

Table O.2-56

Sample ID Lab ID Matrix Sample Depth Unit	SB-HE-03 5.5-7.5' N80036-2 Soil 5.5'-7.5' mg/kg	SB-HE-03 11.5-12.5' N80036-3 Soil 11.5'-12.5' mg/kg	SB-HE-15 0-2' N80037-3 Soil 0'-2' mg/kg	SB-HE-25 2-4' N80037-4 Soil 2'-4' mg/kg
Aluminum	3230	4690	7710	9580
Antimony	0.83 U	0.8 U	0.81 U	0.77 U
Arsenic	1.3	0.66 U	2.8	2.7
Barium	0.38 U	28.5	74.1	82.1
Beryllium	0.023 U	0.022 U	0.022 U	0.021 U
Cadmium	0.069 U	0.066 U	0.066 U	0.063 U
Calcium	642	4660	17100	2920
Chromium	11.3	20.9	17.9	21.9
Cobalt	0.13 U	0.12 U	6.6	8
Copper	15.2	17.1	30.9	20.2
Iron	7010	9330	14100	15500
Lead	7.4	2.9	58.9	45.1
Magnesium	1070	1750	3630	3410
Manganese	113	203	278	408
Mercury	0.0063 U	0.0064 U	0.18	0.18
Nickel	7.4	13.5	15.6	17
Potassium	681	655	1420	2610
Selenium	1 U	0.97 U	0.98 U	0.94 U
Silver	0.21 U	0.2 U	0.2 U	0.19 U
Sodium	42 U	40 U	41 U	39 U
Thallium	0.87 U	0.83 U	0.84 U	0.8 U
Vanadium	9.1	13.6	20.7	21.3
Zinc	17.1	13.5	54.3	40.4

NOTE:

mg/kg - milligrams per kilogram

dup - denotes field duplicate of preceeding sample (QA/QC)

B - Analyte detected in the associated method blank

U - Analyte not detected at method detection level

**Summary of Total Metals in Soil
Caemmerer Yard East Investigation**

Table O.2-56

Sample ID	SB-HE-25 4-6'	SB-HE-25 16-18'	SB-HE-25 28-30'	SB-HE-25 39-41'
Lab ID	N80037-5	N80037-6	N80037-7	N80037-8
Matrix	Soil	Soil	Soil	Soil
Sample Depth	4'-6'	16'-18'	28'-30'	39'-41'
Unit	mg/kg	mg/kg	mg/kg	mg/kg
Aluminum	11200	8460	3600	4030
Antimony	0.87 U	0.82 U	0.83 U	0.83 U
Arsenic	9	5.5	0.68 U	0.69 U
Barium	122	89.2	37.3	39
Beryllium	0.024 U	0.022 U	0.023 U	0.023 U
Cadmium	0.071 U	0.067 U	0.068 U	0.069 U
Calcium	3510	1750	1030	1160
Chromium	16.2	26.1	9.9	10.7
Cobalt	6.5	11.8	0.13 U	0.13 U
Copper	41.6	17	7.4	7.9
Iron	15500	25000	7080	8570
Lead	532	8.3	2.9	3.4
Magnesium	3070	2860	1520	1620
Manganese	346	1370	215	266
Mercury	1.6	0.0067 U	0.0064 U	0.0062 U
Nickel	14.8	36.7	10.4	10.4
Potassium	1070	1720	1050	1110
Selenium	1.4	0.99 U	1 U	1 U
Silver	0.21 U	0.2 U	0.2 U	0.21 U
Sodium	44 U	41 U	42 U	42 U
Thallium	0.9 U	0.85 U	0.86 U	0.87 U
Vanadium	20.8	30.7	9.1	12.8
Zinc	121	32.5	12.6	14.9

NOTE:

mg/kg - miligrams per kilogram

dup - denotes field duplicate of preceeding sample (QA/QC)

B - Analyte detected in the associated method blank

U - Analyte not detected at method detection level

**Summary of Total Metals in Soil
Caemmerer Yard East Investigation**

Table O.2-56

Sample ID Lab ID Matrix Sample Depth Unit	SB-HE-14 20-22' N80038-10 Soil 20'-22' mg/kg	SB-HE-17 4-6' N80038-2 Soil 4'-6' mg/kg	SB-HE-17 6-8' N80038-3 Soil 6'-8' mg/kg	SB-HE-17 10-12' N80038-4 Soil 10'-12' mg/kg
Aluminum	7350	8080	8960	9300
Antimony	0.89 U	0.83 U	0.84 U	0.85 U
Arsenic	3	7.2	2.5	3.1
Barium	48	62.4	30.7	94.8
Beryllium	0.024 U	0.023 U	0.023 U	0.023 U
Cadmium	0.073 U	0.068 U	0.069 U	0.069 U
Calcium	3570	18800	1970	2280
Chromium	21.5	14	11.3	14.9
Cobalt	0.13 U	9.8	0.13 U	6.7
Copper	48.4	144	59.3	60.5
Iron	12900	24500	13200	18000
Lead	65.7	161	31.6	70.1
Magnesium	3050	3700	2420	3020
Manganese	174	240	213	310
Mercury	0.15	0.57	0.096	0.22
Nickel	13	17.8	11.8	14.4
Potassium	1420	1390	768	939
Selenium	1.1 U	1.6	1 U	1 U
Silver	0.22 U	0.2 U	0.21 U	0.21 U
Sodium	45 U	42 U	42 U	43 U
Thallium	0.93 U	0.86 U	0.87 U	0.88 U
Vanadium	19	21.3	15.4	18.8
Zinc	45.9	218	65.3	113

NOTE:

mg/kg - miligrams per kilogram

dup - denotes field duplicate of preceeding sample (QA/QC)

B - Analyte detected in the associated method blank

U - Analyte not detected at method detection level

**Summary of Total Metals in Soil
Caemmerer Yard East Investigation**

Table O.2-56

Sample ID Lab ID Matrix Sample Depth Unit	SB-HE-17 12-14' N80038-5 Soil 12'-14' mg/kg	SB-HE-14 2-4' N80038-7 Soil 2'-4' mg/kg	SB-HE-14 4-6' N80038-8 Soil 4'-6' mg/kg	SB-HE-14 16-18' N80038-9 Soil 16'-18' mg/kg
Aluminum	9240	8100	6770	11100
Antimony	0.85 U	0.83 U	0.78 U	0.86 U
Arsenic	3.4	3.3	2.8	2.1
Barium	45.5	70.2	99.5	50.5
Beryllium	0.023 U	0.023 U	0.021 U	0.024 U
Cadmium	0.07 U	0.068 U	0.064 U	0.071 U
Calcium	2300	9930	20500	1360
Chromium	13.5	15.1	14.4	19.8
Cobalt	6.7	6.5	5.8	6.9
Copper	25.6	31.7	40.2	15.4
Iron	16100	14800	11700	12700
Lead	36.4	51.4	125	17.9
Magnesium	2980	3250	3770	2430
Manganese	239	299	249	111
Mercury	0.14	0.18	0.38	0.062
Nickel	13.4	15.4	17.5	13.8
Potassium	1010	1440	1940	1400
Selenium	1 U	1 U	0.95 U	1 U
Silver	0.21 U	0.2 U	0.19 U	0.21 U
Sodium	43 U	42 U	39 U	43 U
Thallium	0.89 U	0.86 U	0.81 U	0.89 U
Vanadium	16.6	23.2	18.9	25
Zinc	54.4	49.9	87.4	25.4

NOTE:

mg/kg - milligrams per kilogram

dup - denotes field duplicate of preceeding sample (QA/QC)

B - Analyte detected in the associated method blank

U - Analyte not detected at method detection level

**Summary of Total Metals in Soil
Caemmerer Yard East Investigation**

Table O.2-56

Sample ID	SB-HE-12 0-1	SB-HE-12 1-3	SB-HE-12 3-5
Lab ID	N80164-1	N80164-2	N80164-3
Matrix	Soil	Soil	Soil
Sample Depth	0'-1'	1'-3'	3'-5'
Unit	mg/kg	mg/kg	mg/kg
Aluminum	4000	2850	5430
Antimony	0.77 U	0.82 U	0.81 U
Arsenic	5.1	7.4	7
Barium	36.5	43	102
Beryllium	0.021 U	0.022 U	0.022 U
Cadmium	0.063 U	0.067 U	0.067 U
Calcium	19400	5510	13200
Chromium	7.2	6.1	12.3
Cobalt	11.1	41.1	8.7
Copper	45	25.3	52.3
Iron	13600	19000	15900
Lead	62.6	57.7	185
Magnesium	7390	846	2050
Manganese	130	66.7	178
Mercury	0.47	0.5	0.56
Nickel	10.8	10.2	12.9
Potassium	674	757	893
Selenium	0.94 U	1.2	0.99 U
Silver	0.19 U	0.2 U	0.2 U
Sodium	39 U	41 U	41 U
Thallium	0.8 U	0.85 U	0.85 U
Vanadium	13.6	11.4	15.5
Zinc	63	51.7	154

NOTE:

mg/kg - milligrams per kilogram

dup - denotes field duplicate of preceding sample (QA/QC)

B - Analyte detected in the associated method blank

U - Analyte not detected at method detection level

**Summary of Total Metals in Soil
Caemmerer Yard East Investigation**

Table O.2-56

Sample ID	SB-HE-12 5-7	SB-HE-59 5-7' (dup)	SB-HE-12 9-11
Lab ID	N80164-4	N80164-5	N80164-8
Matrix	Soil	Soil	Soil
Sample Depth	5'-7'	5-7'	9'-11'
Unit	mg/kg	mg/kg	mg/kg
Aluminum	8170	6020	3870
Antimony	0.82 U	0.82 U	0.91 U
Arsenic	3.8	3.5	9.1
Barium	79	57.1	46.5
Beryllium	0.022 U	0.022 U	0.025 U
Cadmium	0.067 U	0.067 U	0.074 U
Calcium	4630	6520	5730
Chromium	14.1	19.5	24.5
Cobalt	6.4	7.7	8.5
Copper	30.9	19.5	43.3
Iron	17600	18200	34100
Lead	69.2	32	35
Magnesium	3540	3370	1830
Manganese	276	302	226
Mercury	0.45	0.12	0.21
Nickel	14	37.6	22.7
Potassium	1670	1620	1000
Selenium	1 U	1 U	1.2
Silver	0.2 U	0.2 U	0.22 U
Sodium	41 U	41 U	46 U
Thallium	0.85 U	0.85 U	0.94 U
Vanadium	18	14.9	14.2
Zinc	45.7	35.9	31

NOTE:

mg/kg - miligrams per kilogram

dup - denotes field duplicate of preceeding sample (QA/QC)

B - Analyte detected in the associated method blank

U - Analyte not detected at method detection level

**Summary of STARS SVOCs in Soil
Caemmerer Yard East Investigation**

Table O.2-55

Sample ID	SB-U-01 8-10'	SB-U-02 8-10'
Lab ID	N78776-1	N78776-2
Matrix	Soil	Soil
Sample Depth	8-10'	8-10'
Analyte	ug/Kg	ug/Kg
SVOCs	mg/Kg	mg/Kg
Acenaphthene	22 U	21 U
Anthracene	20 U	20 U
Benzo(a)anthracene	22 U	21 U
Benzo(a)pyrene	18 U	18 U
Benzo(b)fluoranthene	18 U	18 U
Benzo(g,h,i)perylene	30 U	30 U
Benzo(k)fluoranthene	30 U	29 U
Chrysene	21 U	21 U
Dibenzo(a,h)anthracene	28 U	27 U
Fluoranthene	18 U	19.3 J
Fluorene	20 U	19 U
Indeno(1,2,3-cd)pyrene	44 U	42 U
Phenanthrene	21 U	20 U
Pyrene	41 U	40 U

Note:

ug/kg- micrograms per kilogram

U - Analyte not detected at method detection level

**Summary of STARS VOCs in Soil
Caemmerer Yard East Investigation**

Table O.2-54

Sample ID	SB-U-01 8-10'	SB-U-02 8-10'
Lab ID	N78776-1	N78776-2
Matrix	Soil	Soil
Sample Depth	8-10'	8-10'
Analyte	ug/Kg	ug/Kg
1,2,4-Trimethylbenzene	0.95 U	0.94 U
1,3,5-Trimethylbenzene	1.2 U	1.2 U
Benzene	0.29 U	0.29 U
Ethylbenzene	0.7 U	0.69 U
Isopropylbenzene	1.3 U	1.3 U
m,p-Xylene	0.95 U	0.94 U
Methyl Tert Butyl Ether	0.4 U	0.4 U
Naphthalene	19 U	18 U
n-Butylbenzene	1.1 U	1.1 U
n-Propylbenzene	0.18 U	0.17 U
o-Xylene	0.52 U	0.51 U
p-Isopropyltoluene	0.38 U	0.37 U
sec-Butylbenzene	0.34 U	0.33 U
tert-Butylbenzene	0.54 U	0.54 U
Toluene	0.28 U	0.28 U
Xylene (total)	0.52 U	0.51 U

Note:

ug/kg- micrograms per kilogram

U - Analyte not detected at method detection level

**Summary of SVOCs in Soil
Caemmerer Yard East Investigation**

Table O.2-53

Sample ID Lab ID Matrix Sample Depth Unit	SB-HE-04 N80264-1 Soil 0'-2' ug/kg	SB-HE-04 N80264-2 Soil 4'-6' ug/kg	SB-HE-04 N80264-3 Soil 12'-13.5' ug/kg	SB-HE-05 N80264-4 Soil 0'-2' ug/kg
1,2,4-Trichlorobenzene	18 U	18 U	20 U	18 U
1,2-Dichlorobenzene	20 U	20 U	22 U	20 U
1,3-Dichlorobenzene	19 U	19 U	21 U	19 U
1,4-Dichlorobenzene	18 U	17 U	19 U	17 U
2,4,5-Trichlorophenol	20 U	20 U	22 U	20 U
2,4,6-Trichlorophenol	19 U	19 U	21 U	19 U
2,4-Dichlorophenol	22 U	22 U	24 U	21 U
2,4-Dimethylphenol	26 U	26 U	29 U	26 U
2,4-Dinitrophenol	37 U	37 U	41 U	37 U
2,4-Dinitrotoluene	19 U	19 U	21 U	19 U
2,6-Dinitrotoluene	17 U	16 U	18 U	16 U
2-Chloronaphthalene	18 U	18 U	20 U	18 U
2-Chlorophenol	20 U	19 U	21 U	19 U
2-Methylnaphthalene	19 U	19 U	21 U	469
2-Methylphenol	27 U	27 U	29 U	26 U
2-Nitroaniline	23 U	23 U	25 U	22 U
2-Nitrophenol	25 U	25 U	27 U	24 U
3&4-Methylphenol	36 U	36 U	40 U	36 U
3,3'-Dichlorobenzidine	24 U	24 U	27 U	24 U
3-Nitroaniline	23 U	23 U	25 U	23 U
4,6-Dinitro-o-cresol	20 U	20 U	22 U	20 U
4-Bromophenyl phenyl ether	19 U	19 U	21 U	19 U
4-Chloro-3-methyl phenol	27 U	27 U	29 U	26 U
4-Chloroaniline	22 U	22 U	25 U	22 U
4-Chlorophenyl phenyl ether	17 U	17 U	19 U	17 U
4-Nitroaniline	20 U	20 U	22 U	20 U
4-Nitrophenol	71 U	71 U	78 U	70 U
Acenaphthene	29 J	20 U	22 U	367
Acenaphthylene	84.2	15 U	17 U	600
Anthracene	365	19 U	21 U	62200
Benzo(a)anthracene	1340	20 U	22 U	10800
Benzo(a)pyrene	1340	17 U	18 U	4990

NOTE:

ug/kg- micrograms per kilogram

U - Analyte not detected at method detection level

B - Analyte detected in associated method blank

J - analyte detected below quantitation limits

**Summary of SVOCs in Soil
Caemmerer Yard East Investigation**

Table O.2-53

Sample ID Lab ID Matrix Sample Depth Unit	SB-HE-04 N80264-1 Soil 0'-2' ug/kg	SB-HE-04 N80264-2 Soil 4'-6' ug/kg	SB-HE-04 N80264-3 Soil 12'-13.5' ug/kg	SB-HE-05 N80264-4 Soil 0'-2' ug/kg
Benzo(b)fluoranthene	3620	17 U	19 U	12000
Benzo(g,h,i)perylene	282	28 U	31 U	1000
Benzo(k)fluoranthene	2220	28 U	31 U	6120
bis(2-Chloroethoxy)methane	19 U	19 U	21 U	19 U
bis(2-Chloroethyl)ether	23 U	23 U	25 U	22 U
bis(2-Chloroisopropyl)ether	23 U	23 U	26 U	23 U
bis(2-Ethylhexyl)phthalate	176	641	225	131
Butyl benzyl phthalate	26 U	42.2 J	29 U	26 U
Carbazole	449	20 U	22 U	14300
Chrysene	3230	20 U	22 U	22200
Dibenzo(a,h)anthracene	92.5	26 U	29 U	472
Dibenzofuran	18 U	18 U	19 U	955
Diethyl phthalate	22 U	22 U	25 U	22 U
Dimethyl phthalate	17 U	17 U	19 U	17 U
Di-n-butyl phthalate	18 U	17 U	19 U	17 U
Di-n-octyl phthalate	22 U	22 U	24 U	22 U
Fluoranthene	3510	17.6 J	18 U	19600
Fluorene	20.7 J	18 U	20 U	2860
Hexachlorobenzene	18 U	18 U	20 U	18 U
Hexachlorobutadiene	23 U	23 U	26 U	23 U
Hexachlorocyclopentadiene	18 U	18 U	20 U	18 U
Hexachloroethane	19 U	19 U	21 U	19 U
Indeno(1,2,3-cd)pyrene	389	40 U	44 U	1330
Isophorone	20 U	20 U	22 U	20 U
Naphthalene	18 U	18 U	19 U	632
Nitrobenzene	19 U	18 U	20 U	18 U
N-Nitroso-di-n-propylamine	21 U	21 U	23 U	20 U
N-Nitrosodiphenylamine	18 U	18 U	20 U	18 U
Pentachlorophenol	21 U	21 U	23 U	21 U
Phenanthrene	360	19 U	21 U	9490
Phenol	27 U	27 U	30 U	27 U
Pyrene	3500	38 U	42 U	15400

NOTE:

ug/kg- micrograms per kilogram

U - Analyte not detected at method detection level

B - Analyte detected in associated method blank

J - analyte detected below quantitation limits

**Summary of SVOCs in Soil
Caemmerer Yard East Investigation**

Table O.2-53

Sample ID Lab ID Matrix Sample Depth Unit	SB-HE-05 N80264-5 Soil 4'-6' ug/kg	SB-HE-05 N80264-6 Soil 6'-7' ug/kg	SB-HE-06 N80264-7 Soil 2'-4' ug/kg
1,2,4-Trichlorobenzene	19 U	19 U	19 U
1,2-Dichlorobenzene	21 U	21 U	22 U
1,3-Dichlorobenzene	20 U	20 U	21 U
1,4-Dichlorobenzene	18 U	18 U	19 U
2,4,5-Trichlorophenol	21 U	21 U	22 U
2,4,6-Trichlorophenol	20 U	20 U	21 U
2,4-Dichlorophenol	23 U	23 U	24 U
2,4-Dimethylphenol	27 U	28 U	29 U
2,4-Dinitrophenol	39 U	39 U	41 U
2,4-Dinitrotoluene	20 U	20 U	21 U
2,6-Dinitrotoluene	17 U	17 U	18 U
2-Chloronaphthalene	19 U	19 U	20 U
2-Chlorophenol	20 U	21 U	21 U
2-Methylnaphthalene	149	20 U	20 U
2-Methylphenol	28 U	28 U	29 U
2-Nitroaniline	24 U	24 U	25 U
2-Nitrophenol	26 U	26 U	27 U
3&4-Methylphenol	38 U	38 U	39 U
3,3'-Dichlorobenzidine	25 U	25 U	26 U
3-Nitroaniline	24 U	24 U	25 U
4,6-Dinitro-o-cresol	21 U	21 U	22 U
4-Bromophenyl phenyl ether	20 U	20 U	21 U
4-Chloro-3-methyl phenol	28 U	28 U	29 U
4-Chloroaniline	23 U	24 U	24 U
4-Chlorophenyl phenyl ether	18 U	18 U	19 U
4-Nitroaniline	21 U	22 U	22 U
4-Nitrophenol	74 U	75 U	78 U
Acenaphthene	280	21 U	41.3 J
Acenaphthylene	27.3 J	16 U	18.5 J
Anthracene	314	49 J	123
Benzo(a)anthracene	615	97.3	402
Benzo(a)pyrene	575	93.9	395

NOTE:

ug/kg- micrograms per kilogram

U - Analyte not detected at method detection level

B - Analyte detected in associated method blank

J - analyte detected below quantitation limits

**Summary of SVOCs in Soil
Caemmerer Yard East Investigation**

Table O.2-53

Sample ID	SB-HE-05	SB-HE-05	SB-HE-06
Lab ID	N80264-5	N80264-6	N80264-7
Matrix	Soil	Soil	Soil
Sample Depth	4'-6'	6'-7'	2'-4'
Unit	ug/kg	ug/kg	ug/kg
Benzo(b)fluoranthene	529	122	477
Benzo(g,h,i)perylene	214	36.1 J	151
Benzo(k)fluoranthene	426	95.2	218
bis(2-Chloroethoxy)methane	20 U	20 U	21 U
bis(2-Chloroethyl)ether	24 U	24 U	25 U
bis(2-Chloroisopropyl)ether	24 U	25 U	26 U
bis(2-Ethylhexyl)phthalate	44 U	690	348
Butyl benzyl phthalate	27 U	1150	75 J
Carbazole	136	21 U	58.6 J
Chrysene	630	151	425
Dibenzo(a,h)anthracene	59.5 J	27 U	47.7 J
Dibenzofuran	200	19 U	27.9 J
Diethyl phthalate	23 U	23 U	24 U
Dimethyl phthalate	18 U	18 U	19 U
Di-n-butyl phthalate	18 U	18 U	19 U
Di-n-octyl phthalate	23 U	23 U	24 U
Fluoranthene	1620	157	846
Fluorene	213	19 U	36.7 J
Hexachlorobenzene	19 U	19 U	20 U
Hexachlorobutadiene	24 U	24 U	25 U
Hexachlorocyclopentadiene	19 U	19 U	20 U
Hexachloroethane	20 U	20 U	21 U
Indeno(1,2,3-cd)pyrene	242	43 U	165
Isophorone	21 U	21 U	22 U
Naphthalene	286	19 U	34.1 J
Nitrobenzene	19 U	20 U	20 U
N-Nitroso-di-n-propylamine	22 U	22 U	23 U
N-Nitrosodiphenylamine	19 U	19 U	20 U
Pentachlorophenol	22 U	22 U	23 U
Phenanthrene	1320	78.9	469
Phenol	28 U	29 U	30 U
Pyrene	1220	140	632

NOTE:

ug/kg- micrograms per kilogram

U - Analyte not detected at method detection level

B - Analyte detected in associated method blank

J - analyte detected below quantitation limits

**Summary of SVOCs in Soil
Caemmerer Yard East Investigation**

Table O.2-53

Sample ID	SB-HE-06	SB-HE-06	SB-EE-01 14'-16'
Lab ID	N80264-8	N80264-9	N78545-5
Matrix	Soil	Soil	SOIL
Sample Depth	4'-6'	10'-12'	14'-16'
Unit	ug/kg	ug/kg	ug/kg
1,2,4-Trichlorobenzene	19 U	20 U	21 U
1,2-Dichlorobenzene	21 U	22 U	24 U
1,3-Dichlorobenzene	20 U	21 U	23 U
1,4-Dichlorobenzene	19 U	20 U	21 U
2,4,5-Trichlorophenol	22 U	22 U	24 U
2,4,6-Trichlorophenol	20 U	21 U	23 U
2,4-Dichlorophenol	23 U	24 U	26 U
2,4-Dimethylphenol	28 U	29 U	31 U
2,4-Dinitrophenol	40 U	41 U	45 U
2,4-Dinitrotoluene	21 U	21 U	23 U
2,6-Dinitrotoluene	18 U	18 U	20 U
2-Chloronaphthalene	20 U	20 U	22 U
2-Chlorophenol	21 U	22 U	23 U
2-Methylnaphthalene	20 U	21 U	22 U
2-Methylphenol	29 U	30 U	32 U
2-Nitroaniline	24 U	25 U	27 U
2-Nitrophenol	27 U	28 U	30 U
3&4-Methylphenol	39 U	40 U	43 U
3,3'-Dichlorobenzidine	26 U	27 U	29 U
3-Nitroaniline	25 U	25 U	27 U
4,6-Dinitro-o-cresol	21 U	22 U	24 U
4-Bromophenyl phenyl ether	20 U	21 U	23 U
4-Chloro-3-methyl phenol	29 U	30 U	32 U
4-Chloroaniline	24 U	25 U	27 U
4-Chlorophenyl phenyl ether	19 U	19 U	21 U
4-Nitroaniline	22 U	23 U	24 U
4-Nitrophenol	76 U	79 U	85 U
Acenaphthene	22 U	22 U	24 U
Acenaphthylene	16 U	17 U	18 U
Anthracene	20 U	21 U	23 U
Benzo(a)anthracene	21 U	22 U	24 U
Benzo(a)pyrene	18 U	19 U	20 U

NOTE:

ug/kg- micrograms per kilogram

U - Analyte not detected at method detection level

B - Analyte detected in associated method blank

J - analyte detected below quantitation limits

**Summary of SVOCs in Soil
Caemmerer Yard East Investigation**

Table O.2-53

Sample ID	SB-HE-06	SB-HE-06	SB-EE-01 14'-16'
Lab ID	N80264-8	N80264-9	N78545-5
Matrix	Soil	Soil	SOIL
Sample Depth	4'-6'	10'-12'	14'-16'
Unit	ug/kg	ug/kg	ug/kg
Benzo(b)fluoranthene	18 U	19 U	20 U
Benzo(g,h,i)perylene	30 U	31 U	34 U
Benzo(k)fluoranthene	30 U	31 U	33 U
bis(2-Chloroethoxy)methane	20 U	21 U	23 U
bis(2-Chloroethyl)ether	24 U	25 U	27 U
bis(2-Chloroisopropyl)ether	25 U	26 U	28 U
bis(2-Ethylhexyl)phthalate	237	47 U	51 U
Butyl benzyl phthalate	28 U	29 U	31 U
Carbazole	22 U	22 U	24 U
Chrysene	21 U	22 U	24 U
Dibenzo(a,h)anthracene	28 U	29 U	31 U
Dibenzofuran	19 U	20 U	21 U
Diethyl phthalate	24 U	25 U	27 U
Dimethyl phthalate	18 U	19 U	21 U
Di-n-butyl phthalate	19 U	19 U	21 U
Di-n-octyl phthalate	24 U	25 U	27 U
Fluoranthene	18 U	19 U	20 U
Fluorene	20 U	20 U	22 U
Hexachlorobenzene	20 U	20 U	22 U
Hexachlorobutadiene	25 U	26 U	28 U
Hexachlorocyclopentadiene	20 U	20 U	22 U
Hexachloroethane	21 U	22 U	23 U
Indeno(1,2,3-cd)pyrene	43 U	45 U	48 U
Isophorone	22 U	22 U	24 U
Naphthalene	19 U	20 U	21 U
Nitrobenzene	20 U	21 U	22 U
N-Nitroso-di-n-propylamine	22 U	23 U	25 U
N-Nitrosodiphenylamine	20 U	20 U	22 U
Pentachlorophenol	22 U	23 U	25 U
Phenanthrene	21 U	21 U	23 U
Phenol	29 U	30 U	33 U
Pyrene	41 U	42 U	45 U

NOTE:

ug/kg- micrograms per kilogram

U - Analyte not detected at method detection level

B - Analyte detected in associated method blank

J - analyte detected below quantitation limits

**Summary of SVOCs in Soil
Caemmerer Yard East Investigation**

Table O.2-53

Sample ID Lab ID Matrix Sample Depth Unit	SB-EE-01 2'-4' N78384-1 SOIL 2'-4' ug/kg	SB-EE-02 0'-2' N78545-4 SOIL 0'-2' ug/kg	SB-EE-02 14'-16' N78651-3 SOIL 14'-16' ug/kg
1,2,4-Trichlorobenzene	20 U	21 U	20 U
1,2-Dichlorobenzene	22 U	23 U	23 U
1,3-Dichlorobenzene	21 U	22 U	22 U
1,4-Dichlorobenzene	20 U	20 U	20 U
2,4,5-Trichlorophenol	23 U	23 U	23 U
2,4,6-Trichlorophenol	21 U	22 U	22 U
2,4-Dichlorophenol	24 U	25 U	25 U
2,4-Dimethylphenol	29 U	30 U	30 U
2,4-Dinitrophenol	42 U	43 U	42 U
2,4-Dinitrotoluene	22 U	22 U	22 U
2,6-Dinitrotoluene	19 U	19 U	19 U
2-Chloronaphthalene	21 U	21 U	21 U
2-Chlorophenol	22 U	23 U	22 U
2-Methylnaphthalene	21.5 J	64.8 J	21 U
2-Methylphenol	30 U	31 U	30 U
2-Nitroaniline	26 U	26 U	26 U
2-Nitrophenol	28 U	29 U	28 U
3&4-Methylphenol	41 U	42 U	41 U
3,3'-Dichlorobenzidine	27 U	28 U	28 U
3-Nitroaniline	26 U	26 U	26 U
4,6-Dinitro-o-cresol	22 U	23 U	23 U
4-Bromophenyl phenyl ether	21 U	22 U	22 U
4-Chloro-3-methyl phenol	30 U	31 U	31 U
4-Chloroaniline	25 U	26 U	26 U
4-Chlorophenyl phenyl ether	20 U	20 U	20 U
4-Nitroaniline	23 U	24 U	23 U
4-Nitrophenol	80 U	82 U	81 U
Acenaphthene	26 J	104	23 U
Acenaphthylene	93	207	17 U
Anthracene	130	478	22 U
Benzo(a)anthracene	455	1690	23 U
Benzo(a)pyrene	382	1460	19 U

NOTE:

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J - analyte detected below quantitation limits

**Summary of SVOCs in Soil
Caemmerer Yard East Investigation**

Table O.2-53

Sample ID	SB-EE-01 2'-4'	SB-EE-02 0'-2'	SB-EE-02 14'-16'
Lab ID	N78384-1	N78545-4	N78651-3
Matrix	SOIL	SOIL	SOIL
Sample Depth	2'-4'	0'-2'	14'-16'
Unit	ug/kg	ug/kg	ug/kg
Benzo(b)fluoranthene	506	1330	20 U
Benzo(g,h,i)perylene	102	916	32 U
Benzo(k)fluoranthene	216	1230	32 U
bis(2-Chloroethoxy)methane	21 U	22 U	22 U
bis(2-Chloroethyl)ether	25 U	26 U	26 U
bis(2-Chloroisopropyl)ether	26 U	27 U	27 U
bis(2-Ethylhexyl)phthalate	48 U	49 U	178
Butyl benzyl phthalate	29 U	30 U	30 U
Carbazole	37.6 J	164	23 U
Chrysene	411	1860	22 U
Dibenzo(a,h)anthracene	36.9 J	343	30 U
Dibenzofuran	34 J	82.6	20 U
Diethyl phthalate	25 U	26 U	25 U
Dimethyl phthalate	19 U	20 U	20 U
Di-n-butyl phthalate	20 U	20 U	20 U
Di-n-octyl phthalate	25 U	26 U	25 U
Fluoranthene	902	3900	19 U
Fluorene	50.6 J	144	21 U
Hexachlorobenzene	21 U	21 U	21 U
Hexachlorobutadiene	26 U	27 U	27 U
Hexachlorocyclopentadiene	21 U	21 U	21 U
Hexachloroethane	22 U	22 U	22 U
Indeno(1,2,3-cd)pyrene	133	815	46 U
Isophorone	23 U	23 U	23 U
Naphthalene	23.1 J	66.9 J	20 U
Nitrobenzene	21 U	21 U	21 U
N-Nitroso-di-n-propylamine	23 U	24 U	24 U
N-Nitrosodiphenylamine	21 U	21 U	21 U
Pentachlorophenol	23 U	24 U	24 U
Phenanthrene	538	2490	22 U
Phenol	30 U	31 U	31 U
Pyrene	738	3640	43 U

NOTE:

ug/kg- micrograms per kilogram

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**Summary of SVOCs in Soil
Caemmerer Yard East Investigation**

Table O.2-53

Sample ID	SB-EE-03 16-18'	SB-EE-03 22-24'	SB-EE-04 14-16'
Lab ID	N78921-2	N78921-3	N78921-5
Matrix	SOIL	SOIL	SOIL
Sample Depth	16'-18'	22'-24'	14'-16'
Unit	ug/kg	ug/kg	ug/kg
1,2,4-Trichlorobenzene	20 U	22 U	20 U
1,2-Dichlorobenzene	23 U	24 U	22 U
1,3-Dichlorobenzene	21 U	23 U	21 U
1,4-Dichlorobenzene	20 U	21 U	20 U
2,4,5-Trichlorophenol	23 U	25 U	22 U
2,4,6-Trichlorophenol	22 U	23 U	21 U
2,4-Dichlorophenol	25 U	27 U	24 U
2,4-Dimethylphenol	30 U	32 U	29 U
2,4-Dinitrophenol	42 U	45 U	42 U
2,4-Dinitrotoluene	22 U	23 U	21 U
2,6-Dinitrotoluene	19 U	20 U	18 U
2-Chloronaphthalene	21 U	22 U	21 U
2-Chlorophenol	22 U	24 U	22 U
2-Methylnaphthalene	21 U	23 U	21 U
2-Methylphenol	30 U	33 U	30 U
2-Nitroaniline	26 U	28 U	25 U
2-Nitrophenol	28 U	30 U	28 U
3&4-Methylphenol	41 U	44 U	40 U
3,3'-Dichlorobenzidine	27 U	30 U	27 U
3-Nitroaniline	26 U	28 U	26 U
4,6-Dinitro-o-cresol	23 U	24 U	22 U
4-Bromophenyl phenyl ether	21 U	23 U	21 U
4-Chloro-3-methyl phenol	30 U	33 U	30 U
4-Chloroaniline	25 U	27 U	25 U
4-Chlorophenyl phenyl ether	20 U	21 U	20 U
4-Nitroaniline	23 U	25 U	23 U
4-Nitrophenol	81 U	87 U	80 U
Acenaphthene	23 U	25 U	23 U
Acenaphthylene	17 U	18 U	17 U
Anthracene	21 U	23 U	21 U
Benzo(a)anthracene	23 U	24 U	22 U
Benzo(a)pyrene	19 U	20 U	19 U

NOTE:

ug/kg- micrograms per kilogram

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**Summary of SVOCs in Soil
Caemmerer Yard East Investigation**

Table O.2-53

Sample ID	SB-EE-03 16-18'	SB-EE-03 22-24'	SB-EE-04 14-16'
Lab ID	N78921-2	N78921-3	N78921-5
Matrix	SOIL	SOIL	SOIL
Sample Depth	16'-18'	22'-24'	14'-16'
Unit	ug/kg	ug/kg	ug/kg
Benzo(b)fluoranthene	19 U	21 U	19 U
Benzo(g,h,i)perylene	32 U	34 U	31 U
Benzo(k)fluoranthene	32 U	34 U	31 U
bis(2-Chloroethoxy)methane	21 U	23 U	21 U
bis(2-Chloroethyl)ether	26 U	28 U	25 U
bis(2-Chloroisopropyl)ether	26 U	29 U	26 U
bis(2-Ethylhexyl)phthalate	48 U	52 U	48 U
Butyl benzyl phthalate	29 U	32 U	29 U
Carbazole	23 U	25 U	23 U
Chrysene	22 U	24 U	22 U
Dibenzo(a,h)anthracene	29 U	32 U	29 U
Dibenzofuran	20 U	22 U	20 U
Diethyl phthalate	25 U	27 U	25 U
Dimethyl phthalate	19 U	21 U	19 U
Di-n-butyl phthalate	20 U	21 U	20 U
Di-n-octyl phthalate	25 U	27 U	25 U
Fluoranthene	19 U	20 U	19 U
Fluorene	21 U	22 U	20 U
Hexachlorobenzene	21 U	22 U	21 U
Hexachlorobutadiene	26 U	28 U	26 U
Hexachlorocyclopentadiene	21 U	22 U	21 U
Hexachloroethane	22 U	24 U	22 U
Indeno(1,2,3-cd)pyrene	46 U	49 U	45 U
Isophorone	23 U	25 U	23 U
Naphthalene	20 U	22 U	20 U
Nitrobenzene	21 U	23 U	21 U
N-Nitroso-di-n-propylamine	24 U	25 U	23 U
N-Nitrosodiphenylamine	21 U	22 U	21 U
Pentachlorophenol	24 U	26 U	23 U
Phenanthrene	22 U	23 U	21 U
Phenol	31 U	33 U	30 U
Pyrene	43 U	46 U	42 U

NOTE:

ug/kg- micrograms per kilogram

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**Summary of SVOCs in Soil
Caemmerer Yard East Investigation**

Table O.2-53

Sample ID	SB-EE-04 24-26'	SB-EE-04 6-8'	SB-EE-05 0-2'
Lab ID	N78921-6	N78921-4	N79268-6
Matrix	SOIL	SOIL	SOIL
Sample Depth	24'-26'	6'-8'	0'-2'
Unit	ug/kg	ug/kg	ug/kg
1,2,4-Trichlorobenzene	20 U	19 U	19 U
1,2-Dichlorobenzene	22 U	21 U	21 U
1,3-Dichlorobenzene	21 U	20 U	20 U
1,4-Dichlorobenzene	20 U	18 U	19 U
2,4,5-Trichlorophenol	22 U	21 U	22 U
2,4,6-Trichlorophenol	21 U	20 U	20 U
2,4-Dichlorophenol	24 U	23 U	23 U
2,4-Dimethylphenol	29 U	27 U	28 U
2,4-Dinitrophenol	41 U	39 U	40 U
2,4-Dinitrotoluene	21 U	20 U	21 U
2,6-Dinitrotoluene	18 U	17 U	18 U
2-Chloronaphthalene	21 U	19 U	20 U
2-Chlorophenol	22 U	20 U	21 U
2-Methylnaphthalene	21 U	20 U	20 U
2-Methylphenol	30 U	28 U	29 U
2-Nitroaniline	25 U	24 U	24 U
2-Nitrophenol	28 U	26 U	27 U
3&4-Methylphenol	40 U	38 U	39 U
3,3'-Dichlorobenzidine	27 U	25 U	26 U
3-Nitroaniline	26 U	24 U	25 U
4,6-Dinitro-o-cresol	22 U	21 U	21 U
4-Bromophenyl phenyl ether	21 U	20 U	20 U
4-Chloro-3-methyl phenol	30 U	28 U	29 U
4-Chloroaniline	25 U	23 U	24 U
4-Chlorophenyl phenyl ether	19 U	18 U	19 U
4-Nitroaniline	23 U	21 U	22 U
4-Nitrophenol	79 U	75 U	76 U
Acenaphthene	23 U	21 U	22 U
Acenaphthylene	17 U	16 U	38.5 J
Anthracene	21 U	37.2 J	77.8
Benzo(a)anthracene	22 U	228	429
Benzo(a)pyrene	19 U	242	492

NOTE:

ug/kg- micrograms per kilogram

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B - Analyte detected in associated method blank

J - analyte detected below quantitation limits

**Summary of SVOCs in Soil
Caemmerer Yard East Investigation**

Table O.2-53

Sample ID	SB-EE-04 24-26'	SB-EE-04 6-8'	SB-EE-05 0-2'
Lab ID	N78921-6	N78921-4	N79268-6
Matrix	SOIL	SOIL	SOIL
Sample Depth	24'-26'	6'-8'	0'-2'
Unit	ug/kg	ug/kg	ug/kg
Benzo(b)fluoranthene	19 U	296	584
Benzo(g,h,i)perylene	31 U	152	150
Benzo(k)fluoranthene	31 U	114	373
bis(2-Chloroethoxy)methane	21 U	20 U	20 U
bis(2-Chloroethyl)ether	25 U	24 U	24 U
bis(2-Chloroisopropyl)ether	26 U	24 U	25 U
bis(2-Ethylhexyl)phthalate	47 U	47 J	123
Butyl benzyl phthalate	29 U	27 U	28 U
Carbazole	22 U	21 U	22 U
Chrysene	22 U	234	440
Dibenzo(a,h)anthracene	29 U	32 J	50.8 J
Dibenzofuran	20 U	18 U	19 U
Diethyl phthalate	25 U	23 U	24 U
Dimethyl phthalate	19 U	18 U	18 U
Di-n-butyl phthalate	20 U	18 U	19 U
Di-n-octyl phthalate	25 U	132	24 U
Fluoranthene	19 U	359	770
Fluorene	20 U	19 U	20 U
Hexachlorobenzene	20 U	19 U	20 U
Hexachlorobutadiene	26 U	24 U	25 U
Hexachlorocyclopentadiene	20 U	19 U	20 U
Hexachloroethane	22 U	20 U	21 U
Indeno(1,2,3-cd)pyrene	45 U	140	155
Isophorone	22 U	21 U	22 U
Naphthalene	20 U	18 U	19 U
Nitrobenzene	21 U	19 U	20 U
N-Nitroso-di-n-propylamine	23 U	22 U	22 U
N-Nitrosodiphenylamine	20 U	19 U	20 U
Pentachlorophenol	23 U	22 U	22 U
Phenanthrene	21 U	203	312
Phenol	30 U	28 U	29 U
Pyrene	42 U	380	765

NOTE:

ug/kg- micrograms per kilogram

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B - Analyte detected in associated method blank

J - analyte detected below quantitation limits

**Summary of SVOCs in Soil
Caemmerer Yard East Investigation**

Table O.2-53

Sample ID Lab ID Matrix Sample Depth Unit	SB-EE-05 12'-14' N79408-1 SOIL 12'-14' ug/kg	SB-EE-05 22'-24' N79408-2 SOIL 22'-24' ug/kg	SB-EE-06 12-14' N78921-11 SOIL 12'-14' ug/kg
1,2,4-Trichlorobenzene	19 U	21 U	22 U
1,2-Dichlorobenzene	21 U	24 U	25 U
1,3-Dichlorobenzene	20 U	23 U	23 U
1,4-Dichlorobenzene	19 U	21 U	22 U
2,4,5-Trichlorophenol	22 U	24 U	25 U
2,4,6-Trichlorophenol	21 U	23 U	24 U
2,4-Dichlorophenol	23 U	26 U	27 U
2,4-Dimethylphenol	28 U	31 U	32 U
2,4-Dinitrophenol	40 U	44 U	46 U
2,4-Dinitrotoluene	21 U	23 U	24 U
2,6-Dinitrotoluene	18 U	20 U	20 U
2-Chloronaphthalene	20 U	22 U	23 U
2-Chlorophenol	21 U	23 U	24 U
2-Methylnaphthalene	20 U	22 U	23 U
2-Methylphenol	29 U	32 U	33 U
2-Nitroaniline	25 U	27 U	28 U
2-Nitrophenol	27 U	30 U	31 U
3&4-Methylphenol	39 U	43 U	45 U
3,3'-Dichlorobenzidine	26 U	29 U	30 U
3-Nitroaniline	25 U	27 U	28 U
4,6-Dinitro-o-cresol	22 U	24 U	25 U
4-Bromophenyl phenyl ether	20 U	22 U	23 U
4-Chloro-3-methyl phenol	29 U	32 U	33 U
4-Chloroaniline	24 U	27 U	28 U
4-Chlorophenyl phenyl ether	19 U	21 U	22 U
4-Nitroaniline	22 U	24 U	25 U
4-Nitrophenol	77 U	85 U	88 U
Acenaphthene	22 U	24 U	25 U
Acenaphthylene	16 U	18 U	19 U
Anthracene	20 U	23 U	24 U
Benzo(a)anthracene	21 U	24 U	25 U
Benzo(a)pyrene	18 U	20 U	21 U

NOTE:

ug/kg- micrograms per kilogram

U - Analyte not detected at method detection level

B - Analyte detected in associated method blank

J - analyte detected below quantitation limits

**Summary of SVOCs in Soil
Caemmerer Yard East Investigation**

Table O.2-53

Sample ID Lab ID Matrix Sample Depth Unit	SB-EE-05 12'-14' N79408-1 SOIL 12'-14' ug/kg	SB-EE-05 22'-24' N79408-2 SOIL 22'-24' ug/kg	SB-EE-06 12-14' N78921-11 SOIL 12'-14' ug/kg
Benzo(b)fluoranthene	18 U	20 U	21 U
Benzo(g,h,i)perylene	30 U	34 U	35 U
Benzo(k)fluoranthene	30 U	33 U	35 U
bis(2-Chloroethoxy)methane	20 U	22 U	23 U
bis(2-Chloroethyl)ether	24 U	27 U	28 U
bis(2-Chloroisopropyl)ether	25 U	28 U	29 U
bis(2-Ethylhexyl)phthalate	247	159	514
Butyl benzyl phthalate	28 U	31 U	32 U
Carbazole	22 U	24 U	25 U
Chrysene	21 U	23 U	24 U
Dibenzo(a,h)anthracene	28 U	31 U	32 U
Dibenzofuran	19 U	21 U	22 U
Diethyl phthalate	24 U	27 U	28 U
Dimethyl phthalate	18 U	20 U	21 U
Di-n-butyl phthalate	19 U	21 U	22 U
Di-n-octyl phthalate	24 U	26 U	350
Fluoranthene	18 U	20 U	31.6 J
Fluorene	20 U	22 U	23 U
Hexachlorobenzene	20 U	22 U	23 U
Hexachlorobutadiene	25 U	28 U	29 U
Hexachlorocyclopentadiene	20 U	22 U	23 U
Hexachloroethane	21 U	23 U	24 U
Indeno(1,2,3-cd)pyrene	43 U	48 U	50 U
Isophorone	22 U	24 U	25 U
Naphthalene	19 U	21 U	22 U
Nitrobenzene	20 U	22 U	23 U
N-Nitroso-di-n-propylamine	22 U	25 U	26 U
N-Nitrosodiphenylamine	20 U	22 U	23 U
Pentachlorophenol	22 U	25 U	26 U
Phenanthrene	21 U	23 U	27.3 J
Phenol	29 U	32 U	34 U
Pyrene	41 U	45 U	47 U

NOTE:

ug/kg- micrograms per kilogram

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B - Analyte detected in associated method blank

J - analyte detected below quantitation limits

**Summary of SVOCs in Soil
Caemmerer Yard East Investigation**

Table O.2-53

Sample ID Lab ID Matrix Sample Depth Unit	SB-EE-06 8-10' N78921-10 SOIL 8-10' ug/kg	SB-HE-07 0-2' N79713-6 SOIL 0'-2' ug/kg	SB-HE-07 2-3' N79713-7 SOIL 2'-3' ug/kg
1,2,4-Trichlorobenzene	21 U	88 U	18 U
1,2-Dichlorobenzene	24 U	99 U	20 U
1,3-Dichlorobenzene	22 U	93 U	19 U
1,4-Dichlorobenzene	21 U	87 U	17 U
2,4,5-Trichlorophenol	24 U	99 U	20 U
2,4,6-Trichlorophenol	23 U	95 U	19 U
2,4-Dichlorophenol	26 U	110 U	22 U
2,4-Dimethylphenol	31 U	130 U	26 U
2,4-Dinitrophenol	44 U	180 U	37 U
2,4-Dinitrotoluene	23 U	95 U	19 U
2,6-Dinitrotoluene	19 U	81 U	16 U
2-Chloronaphthalene	22 U	91 U	18 U
2-Chlorophenol	23 U	96 U	19 U
2-Methylnaphthalene	22 U	92 U	19 U
2-Methylphenol	31 U	130 U	26 U
2-Nitroaniline	27 U	110 U	23 U
2-Nitrophenol	29 U	120 U	25 U
3&4-Methylphenol	43 U	180 U	36 U
3,3'-Dichlorobenzidine	29 U	120 U	24 U
3-Nitroaniline	27 U	110 U	23 U
4,6-Dinitro-o-cresol	24 U	99 U	20 U
4-Bromophenyl phenyl ether	22 U	93 U	19 U
4-Chloro-3-methyl phenol	32 U	130 U	26 U
4-Chloroaniline	26 U	110 U	22 U
4-Chlorophenyl phenyl ether	21 U	86 U	17 U
4-Nitroaniline	24 U	100 U	20 U
4-Nitrophenol	84 U	350 U	70 U
Acenaphthene	24 U	100 U	20 U
Acenaphthylene	18 U	75 U	15 U
Anthracene	22 U	94 U	49.2 J
Benzo(a)anthracene	24 U	278 J	145
Benzo(a)pyrene	20 U	135 J	117

NOTE:

ug/kg- micrograms per kilogram

U - Analyte not detected at method detection level

B - Analyte detected in associated method blank

J - analyte detected below quantitation limits

**Summary of SVOCs in Soil
Caemmerer Yard East Investigation**

Table O.2-53

Sample ID	SB-EE-06 8-10'	SB-HE-07 0-2'	SB-HE-07 2-3'
Lab ID	N78921-10	N79713-6	N79713-7
Matrix	SOIL	SOIL	SOIL
Sample Depth	8-10'	0'-2'	2'-3'
Unit	ug/kg	ug/kg	ug/kg
Benzo(b)fluoranthene	20 U	536	150
Benzo(g,h,i)perylene	33 U	140 U	42.2 J
Benzo(k)fluoranthene	33 U	179 J	114
bis(2-Chloroethoxy)methane	22 U	93 U	19 U
bis(2-Chloroethyl)ether	27 U	110 U	22 U
bis(2-Chloroisopropyl)ether	28 U	120 U	23 U
bis(2-Ethylhexyl)phthalate	164	210 U	77.1
Butyl benzyl phthalate	31 U	130 U	26 U
Carbazole	24 U	100 U	20 U
Chrysene	23 U	316 J	159
Dibenzo(a,h)anthracene	31 U	130 U	77
Dibenzofuran	21 U	87 U	17 U
Diethyl phthalate	26 U	110 U	22 U
Dimethyl phthalate	20 U	85 U	17 U
Di-n-butyl phthalate	21 U	87 U	17 U
Di-n-octyl phthalate	26 U	110 U	22 U
Fluoranthene	26.1 J	595	215
Fluorene	22 U	90 U	18 U
Hexachlorobenzene	22 U	91 U	18 U
Hexachlorobutadiene	27 U	110 U	23 U
Hexachlorocyclopentadiene	22 U	91 U	18 U
Hexachloroethane	23 U	96 U	19 U
Indeno(1,2,3-cd)pyrene	48 U	200 U	89
Isophorone	24 U	100 U	20 U
Naphthalene	21 U	87 U	17 U
Nitrobenzene	22 U	92 U	18 U
N-Nitroso-di-n-propylamine	25 U	100 U	21 U
N-Nitrosodiphenylamine	22 U	91 U	18 U
Pentachlorophenol	25 U	100 U	21 U
Phenanthrene	25 J	331 J	145
Phenol	32 U	130 U	27 U
Pyrene	45 U	723	276

NOTE:

ug/kg- micrograms per kilogram

U - Analyte not detected at method detection level

B - Analyte detected in associated method blank

J - analyte detected below quantitation limits

**Summary of SVOCs in Soil
Caemmerer Yard East Investigation**

Table O.2-53

Sample ID Lab ID Matrix Sample Depth Unit	SB-HE-08 0-2' N79713-5 SOIL 0'-2' ug/kg	SB-HE-09 2-4' N79580-4 SOIL 2'-4' ug/kg	SB-HE-09 8-9' N79580-5 SOIL 8'-9' ug/kg
1,2,4-Trichlorobenzene	22 U	18 U	17 U
1,2-Dichlorobenzene	25 U	21 U	19 U
1,3-Dichlorobenzene	23 U	20 U	18 U
1,4-Dichlorobenzene	22 U	18 U	17 U
2,4,5-Trichlorophenol	25 U	21 U	20 U
2,4,6-Trichlorophenol	24 U	20 U	19 U
2,4-Dichlorophenol	27 U	23 U	21 U
2,4-Dimethylphenol	32 U	27 U	25 U
2,4-Dinitrophenol	46 U	38 U	36 U
2,4-Dinitrotoluene	24 U	20 U	19 U
2,6-Dinitrotoluene	20 U	17 U	16 U
2-Chloronaphthalene	23 U	19 U	18 U
2-Chlorophenol	24 U	20 U	19 U
2-Methylnaphthalene	23 U	19 U	18 U
2-Methylphenol	33 U	28 U	26 U
2-Nitroaniline	28 U	24 U	22 U
2-Nitrophenol	30 U	26 U	24 U
3&4-Methylphenol	44 U	37 U	35 U
3,3'-Dichlorobenzidine	30 U	25 U	24 U
3-Nitroaniline	28 U	24 U	22 U
4,6-Dinitro-o-cresol	25 U	21 U	19 U
4-Bromophenyl phenyl ether	23 U	20 U	18 U
4-Chloro-3-methyl phenol	33 U	28 U	26 U
4-Chloroaniline	27 U	23 U	22 U
4-Chlorophenyl phenyl ether	21 U	18 U	17 U
4-Nitroaniline	25 U	21 U	20 U
4-Nitrophenol	87 U	74 U	69 U
Acenaphthene	40 J	21 U	20 U
Acenaphthylene	19 U	16 U	15 U
Anthracene	105	45.5 J	18 U
Benzo(a)anthracene	763	197	19 U
Benzo(a)pyrene	621	219	16 U

NOTE:

ug/kg- micrograms per kilogram

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B - Analyte detected in associated method blank

J - analyte detected below quantitation limits

**Summary of SVOCs in Soil
Caemmerer Yard East Investigation**

Table O.2-53

Sample ID	SB-HE-08 0-2'	SB-HE-09 2-4'	SB-HE-09 8-9'
Lab ID	N79713-5	N79580-4	N79580-5
Matrix	SOIL	SOIL	SOIL
Sample Depth	0'-2'	2'-4'	8'-9'
Unit	ug/kg	ug/kg	ug/kg
Benzo(b)fluoranthene	795	220	17 U
Benzo(g,h,i)perylene	228	140	27 U
Benzo(k)fluoranthene	569	143	27 U
bis(2-Chloroethoxy)methane	23 U	19 U	18 U
bis(2-Chloroethyl)ether	28 U	23 U	22 U
bis(2-Chloroisopropyl)ether	29 U	24 U	23 U
bis(2-Ethylhexyl)phthalate	92.3	44 U	41 U
Butyl benzyl phthalate	32 U	27 U	25 U
Carbazole	25 U	21 U	20 U
Chrysene	748	230	19 U
Dibenzo(a,h)anthracene	134	44.9 J	25 U
Dibenzofuran	22 U	18 U	17 U
Diethyl phthalate	27 U	23 U	22 U
Dimethyl phthalate	21 U	18 U	17 U
Di-n-butyl phthalate	22 U	18 U	17 U
Di-n-octyl phthalate	27 U	23 U	230
Fluoranthene	1370	294	16 U
Fluorene	22 U	19 U	18 U
Hexachlorobenzene	23 U	19 U	18 U
Hexachlorobutadiene	29 U	24 U	23 U
Hexachlorocyclopentadiene	23 U	19 U	18 U
Hexachloroethane	24 U	20 U	19 U
Indeno(1,2,3-cd)pyrene	258	132	39 U
Isophorone	25 U	21 U	20 U
Naphthalene	22 U	18 U	17 U
Nitrobenzene	23 U	19 U	18 U
N-Nitroso-di-n-propylamine	26 U	21 U	20 U
N-Nitrosodiphenylamine	23 U	19 U	18 U
Pentachlorophenol	26 U	22 U	20 U
Phenanthrene	474	141	19 U
Phenol	33 U	28 U	26 U
Pyrene	1540	346	37 U

NOTE:

ug/kg- micrograms per kilogram

U - Analyte not detected at method detection level

B - Analyte detected in associated method blank

J - analyte detected below quantitation limits

**Summary of SVOCs in Soil
Caemmerer Yard East Investigation**

Table O.2-53

Sample ID Lab ID Matrix Sample Depth Unit	SB-HE-10 0-2' N79713-1 SOIL 0'-2' ug/kg	SB-HE-10 4-6' N79713-2 SOIL 4'-6' ug/kg	SB-HE-55 4-6' (dup) N79713-3 SOIL 4'-6' ug/kg
1,2,4-Trichlorobenzene	18 U	19 U	19 U
1,2-Dichlorobenzene	21 U	22 U	22 U
1,3-Dichlorobenzene	20 U	21 U	21 U
1,4-Dichlorobenzene	18 U	19 U	19 U
2,4,5-Trichlorophenol	21 U	22 U	22 U
2,4,6-Trichlorophenol	20 U	21 U	21 U
2,4-Dichlorophenol	23 U	24 U	24 U
2,4-Dimethylphenol	27 U	28 U	29 U
2,4-Dinitrophenol	39 U	40 U	41 U
2,4-Dinitrotoluene	20 U	21 U	21 U
2,6-Dinitrotoluene	17 U	18 U	18 U
2-Chloronaphthalene	19 U	20 U	20 U
2-Chlorophenol	20 U	21 U	21 U
2-Methylnaphthalene	19 U	20 U	20 U
2-Methylphenol	28 U	29 U	29 U
2-Nitroaniline	24 U	25 U	25 U
2-Nitrophenol	26 U	27 U	27 U
3&4-Methylphenol	37 U	39 U	39 U
3,3'-Dichlorobenzidine	25 U	26 U	26 U
3-Nitroaniline	24 U	25 U	25 U
4,6-Dinitro-o-cresol	21 U	22 U	22 U
4-Bromophenyl phenyl ether	20 U	20 U	21 U
4-Chloro-3-methyl phenol	28 U	29 U	29 U
4-Chloroaniline	23 U	24 U	24 U
4-Chlorophenyl phenyl ether	18 U	19 U	19 U
4-Nitroaniline	21 U	22 U	22 U
4-Nitrophenol	74 U	77 U	78 U
Acenaphthene	21 U	22 U	22 U
Acenaphthylene	110	16 U	16 U
Anthracene	871	21 U	21 U
Benzo(a)anthracene	1010	22 U	22 U
Benzo(a)pyrene	939	18 U	18 U

NOTE:

ug/kg- micrograms per kilogram

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J - analyte detected below quantitation limits

**Summary of SVOCs in Soil
Caemmerer Yard East Investigation**

Table O.2-53

Sample ID Lab ID Matrix Sample Depth Unit	SB-HE-10 0-2' N79713-1 SOIL 0'-2' ug/kg	SB-HE-10 4-6' N79713-2 SOIL 4'-6' ug/kg	SB-HE-55 4-6' (dup) N79713-3 SOIL 4'-6' ug/kg
Benzo(b)fluoranthene	2170	19 U	19 U
Benzo(g,h,i)perylene	305	31 U	31 U
Benzo(k)fluoranthene	1240	30 U	30 U
bis(2-Chloroethoxy)methane	20 U	20 U	21 U
bis(2-Chloroethyl)ether	24 U	25 U	25 U
bis(2-Chloroisopropyl)ether	24 U	25 U	25 U
bis(2-Ethylhexyl)phthalate	115	78.8	46 U
Butyl benzyl phthalate	27 U	28 U	28 U
Carbazole	520	22 U	22 U
Chrysene	1880	21 U	21 U
Dibenzo(a,h)anthracene	197	28 U	28 U
Dibenzofuran	19.6 J	19 U	19 U
Diethyl phthalate	23 U	24 U	24 U
Dimethyl phthalate	18 U	19 U	19 U
Di-n-butyl phthalate	18 U	19 U	19 U
Di-n-octyl phthalate	152	24 U	24 U
Fluoranthene	1930	18 U	18 U
Fluorene	49.4 J	20 U	20 U
Hexachlorobenzene	19 U	20 U	20 U
Hexachlorobutadiene	24 U	25 U	25 U
Hexachlorocyclopentadiene	19 U	20 U	20 U
Hexachloroethane	20 U	21 U	21 U
Indeno(1,2,3-cd)pyrene	380	44 U	44 U
Isophorone	21 U	22 U	22 U
Naphthalene	18 U	19 U	19 U
Nitrobenzene	19 U	20 U	20 U
N-Nitroso-di-n-propylamine	22 U	23 U	23 U
N-Nitrosodiphenylamine	19 U	20 U	20 U
Pentachlorophenol	22 U	23 U	23 U
Phenanthrene	270	21 U	21 U
Phenol	28 U	29 U	30 U
Pyrene	2050	41 U	41 U

NOTE:

ug/kg- micrograms per kilogram

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J - analyte detected below quantitation limits

**Summary of SVOCs in Soil
Caemmerer Yard East Investigation**

Table O.2-53

Sample ID Lab ID Matrix Sample Depth Unit	SB-HE-11 0'-2' N78384-4 SOIL 0'-2' ug/kg	SB-HE-11 1'-2' N78305-5 SOIL 1'-2' ug/kg	SB-HE-11 12'-14' N78384-7 SOIL 12'-14' ug/kg
1,2,4-Trichlorobenzene	21 U	20 U	21 U
1,2-Dichlorobenzene	23 U	22 U	23 U
1,3-Dichlorobenzene	22 U	21 U	22 U
1,4-Dichlorobenzene	21 U	20 U	20 U
2,4,5-Trichlorophenol	24 U	22 U	23 U
2,4,6-Trichlorophenol	22 U	21 U	22 U
2,4-Dichlorophenol	25 U	24 U	25 U
2,4-Dimethylphenol	31 U	37.2 J	30 U
2,4-Dinitrophenol	43 U	42 U	43 U
2,4-Dinitrotoluene	22 U	21 U	22 U
2,6-Dinitrotoluene	19 U	18 U	19 U
2-Chloronaphthalene	22 U	21 U	21 U
2-Chlorophenol	23 U	22 U	23 U
2-Methylnaphthalene	7210	1810	72.6 J
2-Methylphenol	31 U	30 U	31 U
2-Nitroaniline	27 U	25 U	26 U
2-Nitrophenol	29 U	28 U	29 U
3&4-Methylphenol	42 U	44.1 J	42 U
3,3'-Dichlorobenzidine	28 U	27 U	28 U
3-Nitroaniline	27 U	26 U	26 U
4,6-Dinitro-o-cresol	23 U	22 U	23 U
4-Bromophenyl phenyl ether	22 U	21 U	22 U
4-Chloro-3-methyl phenol	31 U	30 U	31 U
4-Chloroaniline	26 U	25 U	26 U
4-Chlorophenyl phenyl ether	20 U	20 U	20 U
4-Nitroaniline	24 U	23 U	24 U
4-Nitrophenol	83 U	79 U	82 U
Acenaphthene	17700	3240	192
Acenaphthylene	3500 J	4690	46.9 J
Anthracene	21100	8140	405
Benzo(a)anthracene	18800	16400	256
Benzo(a)pyrene	14200	27900	161

NOTE:

ug/kg- micrograms per kilogram

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J - analyte detected below quantitation limits

**Summary of SVOCs in Soil
Caemmerer Yard East Investigation**

Table O.2-53

Sample ID Lab ID Matrix Sample Depth Unit	SB-HE-11 0'-2' N78384-4 SOIL 0'-2' ug/kg	SB-HE-11 1'-2' N78305-5 SOIL 1'-2' ug/kg	SB-HE-11 12'-14' N78384-7 SOIL 12'-14' ug/kg
Benzo(b)fluoranthene	20800	32800	276
Benzo(g,h,i)perylene	6790	18700	63.3 J
Benzo(k)fluoranthene	6920	18900	81.9 J
bis(2-Chloroethoxy)methane	22 U	21 U	22 U
bis(2-Chloroethyl)ether	27 U	25 U	26 U
bis(2-Chloroisopropyl)ether	27 U	26 U	27 U
bis(2-Ethylhexyl)phthalate	50 U	47 U	79.7 J
Butyl benzyl phthalate	30 U	29 U	30 U
Carbazole	3330	890	60.7 J
Chrysene	18300	18700	229
Dibenzo(a,h)anthracene	2220	6020	30 U
Dibenzofuran	18000	3140	191
Diethyl phthalate	26 U	25 U	26 U
Dimethyl phthalate	20 U	19 U	20 U
Di-n-butyl phthalate	20 U	20 U	20 U
Di-n-octyl phthalate	26 U	25 U	26 U
Fluoranthene	67100	39800	902
Fluorene	26300	5060	331
Hexachlorobenzene	21 U	21 U	21 U
Hexachlorobutadiene	27 U	26 U	27 U
Hexachlorocyclopentadiene	21 U	21 U	21 U
Hexachloroethane	23 U	22 U	22 U
Indeno(1,2,3-cd)pyrene	7520	17900	73.7 J
Isophorone	24 U	23 U	23 U
Naphthalene	5390	2550	82.1
Nitrobenzene	22 U	21 U	21 U
N-Nitroso-di-n-propylamine	24 U	23 U	24 U
N-Nitrosodiphenylamine	21 U	20 U	21 U
Pentachlorophenol	24 U	23 U	24 U
Phenanthrene	101000	20100	1300
Phenol	32 U	30 U	31 U
Pyrene	47900	29000	574

NOTE:

ug/kg- micrograms per kilogram

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J - analyte detected below quantitation limits

**Summary of SVOCs in Soil
Caemmerer Yard East Investigation**

Table O.2-53

Sample ID Lab ID Matrix Sample Depth Unit	SB-HE-11 20'-23' N78384-8 SOIL 20'-23' ug/kg	SB-HE-11 2'-4' N78384-5 SOIL 2'-4' ug/kg	SB-HE-11 4'-6' N78384-6 SOIL 4'-6' ug/kg
1,2,4-Trichlorobenzene	19 U	19 U	20 U
1,2-Dichlorobenzene	22 U	21 U	23 U
1,3-Dichlorobenzene	21 U	20 U	22 U
1,4-Dichlorobenzene	19 U	19 U	20 U
2,4,5-Trichlorophenol	22 U	21 U	23 U
2,4,6-Trichlorophenol	21 U	20 U	22 U
2,4-Dichlorophenol	24 U	23 U	25 U
2,4-Dimethylphenol	28 U	28 U	30 U
2,4-Dinitrophenol	40 U	40 U	43 U
2,4-Dinitrotoluene	21 U	20 U	22 U
2,6-Dinitrotoluene	18 U	18 U	19 U
2-Chloronaphthalene	20 U	20 U	21 U
2-Chlorophenol	21 U	21 U	22 U
2-Methylnaphthalene	20 U	559	112
2-Methylphenol	29 U	28 U	31 U
2-Nitroaniline	25 U	24 U	26 U
2-Nitrophenol	27 U	26 U	28 U
3&4-Methylphenol	39 U	38 U	41 U
3,3'-Dichlorobenzidine	26 U	26 U	28 U
3-Nitroaniline	25 U	24 U	26 U
4,6-Dinitro-o-cresol	22 U	21 U	23 U
4-Bromophenyl phenyl ether	20 U	20 U	22 U
4-Chloro-3-methyl phenol	29 U	28 U	31 U
4-Chloroaniline	24 U	24 U	26 U
4-Chlorophenyl phenyl ether	19 U	19 U	20 U
4-Nitroaniline	22 U	22 U	23 U
4-Nitrophenol	77 U	76 U	82 U
Acenaphthene	22 U	1020	286
Acenaphthylene	16 U	616	58.8 J
Anthracene	21 U	1570	407
Benzo(a)anthracene	22 U	2230	325
Benzo(a)pyrene	18 U	2170	218

NOTE:

ug/kg- micrograms per kilogram

U - Analyte not detected at method detection level

B - Analyte detected in associated method blank

J - analyte detected below quantitation limits

**Summary of SVOCs in Soil
Caemmerer Yard East Investigation**

Table O.2-53

Sample ID	SB-HE-11 20'-23'	SB-HE-11 2'-4'	SB-HE-11 4'-6'
Lab ID	N78384-8	N78384-5	N78384-6
Matrix	SOIL	SOIL	SOIL
Sample Depth	20'-23'	2'-4'	4'-6'
Unit	ug/kg	ug/kg	ug/kg
Benzo(b)fluoranthene	110	2730	327
Benzo(g,h,i)perylene	31 U	808	89.9
Benzo(k)fluoranthene	30 U	1190	105
bis(2-Chloroethoxy)methane	20 U	20 U	22 U
bis(2-Chloroethyl)ether	25 U	24 U	26 U
bis(2-Chloroisopropyl)ether	25 U	25 U	27 U
bis(2-Ethylhexyl)phthalate	77.2	45 U	86.2
Butyl benzyl phthalate	28 U	28 U	30 U
Carbazole	22 U	251	65.4 J
Chrysene	21 U	2210	315
Dibenzo(a,h)anthracene	28 U	283	30 U
Dibenzofuran	19 U	1080	288
Diethyl phthalate	24 U	24 U	26 U
Dimethyl phthalate	19 U	18 U	20 U
Di-n-butyl phthalate	19 U	19 U	20 U
Di-n-octyl phthalate	140	24 U	157
Fluoranthene	60.4 J	4950	1180
Fluorene	30.2 J	1490	468
Hexachlorobenzene	20 U	20 U	21 U
Hexachlorobutadiene	25 U	25 U	27 U
Hexachlorocyclopentadiene	20 U	20 U	21 U
Hexachloroethane	21 U	21 U	22 U
Indeno(1,2,3-cd)pyrene	44 U	1010	100
Isophorone	22 U	21 U	23 U
Naphthalene	19 U	849	102
Nitrobenzene	20 U	20 U	21 U
N-Nitroso-di-n-propylamine	23 U	22 U	24 U
N-Nitrosodiphenylamine	20 U	20 U	21 U
Pentachlorophenol	23 U	22 U	24 U
Phenanthrene	104	5310	1800
Phenol	29 U	29 U	31 U
Pyrene	41.5 J	4120	761

NOTE:

ug/kg- micrograms per kilogram

U - Analyte not detected at method detection level

B - Analyte detected in associated method blank

J - analyte detected below quantitation limits

**Summary of SVOCs in Soil
Caemmerer Yard East Investigation**

Table O.2-53

Sample ID	SB-HE-13 10'-12'	SB-HE-13 2'-4'	SB-HE-13 4'-6'
Lab ID	N78545-9	N78545-1	N78545-2
Matrix	SOIL	SOIL	SOIL
Sample Depth	10'-12'	2'-4'	4'-6'
Unit	ug/kg	ug/kg	ug/kg
1,2,4-Trichlorobenzene	18 U	19 U	19 U
1,2-Dichlorobenzene	20 U	21 U	21 U
1,3-Dichlorobenzene	19 U	20 U	20 U
1,4-Dichlorobenzene	18 U	19 U	18 U
2,4,5-Trichlorophenol	20 U	21 U	21 U
2,4,6-Trichlorophenol	19 U	20 U	20 U
2,4-Dichlorophenol	22 U	23 U	23 U
2,4-Dimethylphenol	26 U	28 U	27 U
2,4-Dinitrophenol	38 U	39 U	39 U
2,4-Dinitrotoluene	19 U	20 U	20 U
2,6-Dinitrotoluene	17 U	17 U	17 U
2-Chloronaphthalene	19 U	19 U	19 U
2-Chlorophenol	20 U	21 U	21 U
2-Methylnaphthalene	19 U	20 U	20 U
2-Methylphenol	27 U	28 U	28 U
2-Nitroaniline	23 U	24 U	24 U
2-Nitrophenol	25 U	26 U	26 U
3&4-Methylphenol	36 U	38 U	38 U
3,3'-Dichlorobenzidine	24 U	26 U	25 U
3-Nitroaniline	23 U	24 U	24 U
4,6-Dinitro-o-cresol	20 U	21 U	21 U
4-Bromophenyl phenyl ether	19 U	20 U	20 U
4-Chloro-3-methyl phenol	27 U	28 U	28 U
4-Chloroaniline	23 U	24 U	24 U
4-Chlorophenyl phenyl ether	18 U	18 U	18 U
4-Nitroaniline	21 U	22 U	21 U
4-Nitrophenol	72 U	75 U	75 U
Acenaphthene	20 U	21 U	21 U
Acenaphthylene	15 U	16 U	16 U
Anthracene	19 U	20 U	20 U
Benzo(a)anthracene	20 U	35.7 J	29.9 J
Benzo(a)pyrene	17 U	36.2 J	27.2 J

NOTE:

ug/kg- micrograms per kilogram

U - Analyte not detected at method detection level

B - Analyte detected in associated method blank

J - analyte detected below quantitation limits

**Summary of SVOCs in Soil
Caemmerer Yard East Investigation**

Table O.2-53

Sample ID	SB-HE-13 10'-12'	SB-HE-13 2'-4'	SB-HE-13 4'-6'
Lab ID	N78545-9	N78545-1	N78545-2
Matrix	SOIL	SOIL	SOIL
Sample Depth	10'-12'	2'-4'	4'-6'
Unit	ug/kg	ug/kg	ug/kg
Benzo(b)fluoranthene	17 U	44.1 J	35.8 J
Benzo(g,h,i)perylene	28 U	34.9 J	30 U
Benzo(k)fluoranthene	28 U	29.5 J	29 U
bis(2-Chloroethoxy)methane	19 U	20 U	20 U
bis(2-Chloroethyl)ether	23 U	24 U	24 U
bis(2-Chloroisopropyl)ether	24 U	25 U	25 U
bis(2-Ethylhexyl)phthalate	43 U	99.9	45 U
Butyl benzyl phthalate	26 U	27 U	27 U
Carbazole	20 U	21 U	21 U
Chrysene	20 U	41.8 J	35.9 J
Dibenzo(a,h)anthracene	26 U	27 U	27 U
Dibenzofuran	18 U	19 U	19 U
Diethyl phthalate	22 U	24 U	23 U
Dimethyl phthalate	17 U	18 U	18 U
Di-n-butyl phthalate	18 U	18 U	18 U
Di-n-octyl phthalate	132	23 U	23 U
Fluoranthene	17 U	49.9 J	47.6 J
Fluorene	18 U	19 U	19 U
Hexachlorobenzene	19 U	19 U	19 U
Hexachlorobutadiene	23 U	25 U	24 U
Hexachlorocyclopentadiene	19 U	19 U	19 U
Hexachloroethane	20 U	20 U	20 U
Indeno(1,2,3-cd)pyrene	41 U	43 U	42 U
Isophorone	20 U	21 U	21 U
Naphthalene	18 U	19 U	19 U
Nitrobenzene	19 U	20 U	20 U
N-Nitroso-di-n-propylamine	21 U	22 U	22 U
N-Nitrosodiphenylamine	19 U	19 U	19 U
Pentachlorophenol	21 U	22 U	22 U
Phenanthrene	19 U	28.2 J	25.1 J
Phenol	27 U	29 U	29 U
Pyrene	38 U	45.4 J	43.1 J

NOTE:

ug/kg- micrograms per kilogram

U - Analyte not detected at method detection level

B - Analyte detected in associated method blank

J - analyte detected below quantitation limits

**Summary of SVOCs in Soil
Caemmerer Yard East Investigation**

Table O.2-53

Sample ID	SB-HE-13 6'-8'	SB-HE-14/0-2	SB-HE-15 28-30'
Lab ID	N78545-3	N79714-1	N79519-4
Matrix	SOIL	SOIL	SOIL
Sample Depth	6'-8'	0'-2'	28'-30'
Unit	ug/kg	ug/kg	ug/kg
1,2,4-Trichlorobenzene	19 U	19 U	19 U
1,2-Dichlorobenzene	21 U	21 U	22 U
1,3-Dichlorobenzene	20 U	20 U	20 U
1,4-Dichlorobenzene	19 U	18 U	19 U
2,4,5-Trichlorophenol	21 U	21 U	22 U
2,4,6-Trichlorophenol	20 U	20 U	21 U
2,4-Dichlorophenol	23 U	23 U	24 U
2,4-Dimethylphenol	28 U	27 U	28 U
2,4-Dinitrophenol	39 U	39 U	40 U
2,4-Dinitrotoluene	20 U	20 U	21 U
2,6-Dinitrotoluene	18 U	17 U	18 U
2-Chloronaphthalene	20 U	19 U	20 U
2-Chlorophenol	21 U	20 U	21 U
2-Methylnaphthalene	20 U	10300	20 U
2-Methylphenol	28 U	28 U	29 U
2-Nitroaniline	24 U	24 U	25 U
2-Nitrophenol	26 U	26 U	27 U
3&4-Methylphenol	38 U	38 U	39 U
3,3'-Dichlorobenzidine	26 U	25 U	26 U
3-Nitroaniline	24 U	24 U	25 U
4,6-Dinitro-o-cresol	21 U	21 U	22 U
4-Bromophenyl phenyl ether	20 U	20 U	20 U
4-Chloro-3-methyl phenol	28 U	28 U	29 U
4-Chloroaniline	24 U	23 U	24 U
4-Chlorophenyl phenyl ether	19 U	18 U	19 U
4-Nitroaniline	22 U	21 U	22 U
4-Nitrophenol	76 U	75 U	77 U
Acenaphthene	21 U	19400	22 U
Acenaphthylene	16 U	1300	16 U
Anthracene	20 U	46900	20 U
Benzo(a)anthracene	25.4 J	12800	22 U
Benzo(a)pyrene	24.3 J	4380	18 U

NOTE:

ug/kg- micrograms per kilogram

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B - Analyte detected in associated method blank

J - analyte detected below quantitation limits

**Summary of SVOCs in Soil
Caemmerer Yard East Investigation**

Table O.2-53

Sample ID	SB-HE-13 6'-8'	SB-HE-14/0-2	SB-HE-15 28-30'
Lab ID	N78545-3	N79714-1	N79519-4
Matrix	SOIL	SOIL	SOIL
Sample Depth	6'-8'	0'-2'	28'-30'
Unit	ug/kg	ug/kg	ug/kg
Benzo(b)fluoranthene	22.7 J	6570	18 U
Benzo(g,h,i)perylene	30 U	1180	30 U
Benzo(k)fluoranthene	30 U	5290	30 U
bis(2-Chloroethoxy)methane	20 U	20 U	20 U
bis(2-Chloroethyl)ether	24 U	24 U	25 U
bis(2-Chloroisopropyl)ether	25 U	24 U	25 U
bis(2-Ethylhexyl)phthalate	45 U	44 U	46 U
Butyl benzyl phthalate	28 U	27 U	28 U
Carbazole	21 U	24100	22 U
Chrysene	29.8 J	14200	21 U
Dibenzo(a,h)anthracene	28 U	474	28 U
Dibenzofuran	19 U	29300	19 U
Diethyl phthalate	24 U	23 U	24 U
Dimethyl phthalate	18 U	18 U	19 U
Di-n-butyl phthalate	19 U	18 U	19 U
Di-n-octyl phthalate	24 U	23 U	89.3
Fluoranthene	42 J	61700	18 U
Fluorene	19 U	27800	20 U
Hexachlorobenzene	20 U	19 U	20 U
Hexachlorobutadiene	25 U	24 U	25 U
Hexachlorocyclopentadiene	20 U	19 U	20 U
Hexachloroethane	21 U	20 U	21 U
Indeno(1,2,3-cd)pyrene	43 U	1210	44 U
Isophorone	21 U	21 U	22 U
Naphthalene	19 U	12100	19 U
Nitrobenzene	20 U	19 U	20 U
N-Nitroso-di-n-propylamine	22 U	22 U	22 U
N-Nitrosodiphenylamine	19 U	19 U	20 U
Pentachlorophenol	22 U	22 U	23 U
Phenanthrene	22.9 J	138000	21 U
Phenol	29 U	28 U	29 U
Pyrene	40.5 J	46900	41 U

NOTE:

ug/kg- micrograms per kilogram

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B - Analyte detected in associated method blank

J - analyte detected below quantitation limits

**Summary of SVOCs in Soil
Caemmerer Yard East Investigation**

Table O.2-53

Sample ID	SB-HE-15 6-8'	SB-HE-16	SB-HE-16
Lab ID	N79519-2	N78305-4	N78305-1
Matrix	SOIL	SOIL	SOIL
Sample Depth	6'-8'	12'-14'	1'-2'
Unit	ug/kg	ug/kg	ug/kg
1,2,4-Trichlorobenzene	19 U	25 U	19 U
1,2-Dichlorobenzene	21 U	28 U	22 U
1,3-Dichlorobenzene	20 U	27 U	20 U
1,4-Dichlorobenzene	19 U	25 U	19 U
2,4,5-Trichlorophenol	22 U	28 U	22 U
2,4,6-Trichlorophenol	20 U	27 U	21 U
2,4-Dichlorophenol	23 U	31 U	24 U
2,4-Dimethylphenol	28 U	37 U	28 U
2,4-Dinitrophenol	40 U	53 U	40 U
2,4-Dinitrotoluene	21 U	27 U	21 U
2,6-Dinitrotoluene	18 U	23 U	18 U
2-Chloronaphthalene	20 U	26 U	20 U
2-Chlorophenol	21 U	28 U	21 U
2-Methylnaphthalene	20 U	26 U	32.2 J
2-Methylphenol	29 U	38 U	29 U
2-Nitroaniline	24 U	32 U	25 U
2-Nitrophenol	27 U	35 U	27 U
3&4-Methylphenol	39 U	51 U	39 U
3,3'-Dichlorobenzidine	26 U	34 U	26 U
3-Nitroaniline	25 U	32 U	25 U
4,6-Dinitro-o-cresol	21 U	28 U	22 U
4-Bromophenyl phenyl ether	20 U	27 U	20 U
4-Chloro-3-methyl phenol	29 U	38 U	29 U
4-Chloroaniline	24 U	32 U	24 U
4-Chlorophenyl phenyl ether	19 U	25 U	19 U
4-Nitroaniline	22 U	29 U	22 U
4-Nitrophenol	76 U	100 U	77 U
Acenaphthene	22 U	37.9 J	27.3 J
Acenaphthylene	16 U	21 U	102
Anthracene	20 U	94.1 J	146
Benzo(a)anthracene	46.4 J	161	778
Benzo(a)pyrene	36.2 J	139	813

NOTE:

ug/kg- micrograms per kilogram

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**Summary of SVOCs in Soil
Caemmerer Yard East Investigation**

Table O.2-53

Sample ID	SB-HE-15 6-8'	SB-HE-16	SB-HE-16
Lab ID	N79519-2	N78305-4	N78305-1
Matrix	SOIL	SOIL	SOIL
Sample Depth	6'-8'	12'-14'	1'-2'
Unit	ug/kg	ug/kg	ug/kg
Benzo(b)fluoranthene	32.9 J	123	758
Benzo(g,h,i)perylene	30 U	90.5 J	494
Benzo(k)fluoranthene	35.6 J	105	725
bis(2-Chloroethoxy)methane	20 U	27 U	20 U
bis(2-Chloroethyl)ether	24 U	32 U	25 U
bis(2-Chloroisopropyl)ether	25 U	33 U	25 U
bis(2-Ethylhexyl)phthalate	45 U	300	46 U
Butyl benzyl phthalate	28 U	37 U	28 U
Carbazole	22 U	33.5 J	97.1
Chrysene	48.2 J	145	794
Dibenzo(a,h)anthracene	28 U	37 U	160
Dibenzofuran	19 U	37 J	27.6 J
Diethyl phthalate	24 U	31 U	24 U
Dimethyl phthalate	18 U	24 U	19 U
Di-n-butyl phthalate	19 U	101	19 U
Di-n-octyl phthalate	86.6	375	24 U
Fluoranthene	81.7	400	1490
Fluorene	20 U	51.8 J	32.5 J
Hexachlorobenzene	20 U	26 U	20 U
Hexachlorobutadiene	25 U	33 U	25 U
Hexachlorocyclopentadiene	20 U	26 U	20 U
Hexachloroethane	21 U	27 U	21 U
Indeno(1,2,3-cd)pyrene	43 U	75.4 J	474
Isophorone	22 U	29 U	22 U
Naphthalene	19 U	32.2 J	29.6 J
Nitrobenzene	20 U	26 U	20 U
N-Nitroso-di-n-propylamine	22 U	29 U	22 U
N-Nitrosodiphenylamine	20 U	26 U	20 U
Pentachlorophenol	22 U	30 U	23 U
Phenanthrene	54.6 J	375	679
Phenol	29 U	38 U	29 U
Pyrene	73.2 J	360	1460

NOTE:

ug/kg- micrograms per kilogram

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**Summary of SVOCs in Soil
Caemmerer Yard East Investigation**

Table O.2-53

Sample ID Lab ID Matrix Sample Depth Unit	SB-HE-16 N78305-2 SOIL 4'-6' ug/kg	SB-HE-16 N78305-3 SOIL 17'-19' ug/kg	SB-HE-18 10'-12' N78776-5 SOIL 10'-12' ug/kg
1,2,4-Trichlorobenzene	19 U	21 U	20 U
1,2-Dichlorobenzene	21 U	23 U	23 U
1,3-Dichlorobenzene	20 U	22 U	22 U
1,4-Dichlorobenzene	19 U	20 U	20 U
2,4,5-Trichlorophenol	21 U	23 U	23 U
2,4,6-Trichlorophenol	20 U	22 U	22 U
2,4-Dichlorophenol	23 U	25 U	25 U
2,4-Dimethylphenol	87.1 J	30 U	30 U
2,4-Dinitrophenol	40 U	43 U	43 U
2,4-Dinitrotoluene	21 U	22 U	22 U
2,6-Dinitrotoluene	18 U	19 U	19 U
2-Chloronaphthalene	20 U	21 U	21 U
2-Chlorophenol	21 U	23 U	22 U
2-Methylnaphthalene	4230	22 U	22 U
2-Methylphenol	42.5 J	31 U	31 U
2-Nitroaniline	24 U	26 U	26 U
2-Nitrophenol	26 U	29 U	28 U
3&4-Methylphenol	123 J	42 U	41 U
3,3'-Dichlorobenzidine	26 U	28 U	28 U
3-Nitroaniline	24 U	27 U	26 U
4,6-Dinitro-o-cresol	21 U	23 U	23 U
4-Bromophenyl phenyl ether	20 U	22 U	22 U
4-Chloro-3-methyl phenol	29 U	31 U	31 U
4-Chloroaniline	24 U	26 U	26 U
4-Chlorophenyl phenyl ether	19 U	20 U	20 U
4-Nitroaniline	22 U	24 U	23 U
4-Nitrophenol	76 U	83 U	82 U
Acenaphthene	17100	23 U	23 U
Acenaphthylene	4050	18 U	17 U
Anthracene	45800	22 U	34.5 J
Benzo(a)anthracene	57400	23 U	75.1 J
Benzo(a)pyrene	52300	19 U	59.2 J

NOTE:

ug/kg- micrograms per kilogram

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B - Analyte detected in associated method blank

J - analyte detected below quantitation limits

**Summary of SVOCs in Soil
Caemmerer Yard East Investigation**

Table O.2-53

Sample ID	SB-HE-16	SB-HE-16	SB-HE-18 10'-12'
Lab ID	N78305-2	N78305-3	N78776-5
Matrix	SOIL	SOIL	SOIL
Sample Depth	4'-6'	17'-19'	10'-12'
Unit	ug/kg	ug/kg	ug/kg
Benzo(b)fluoranthene	43300	20 U	52 J
Benzo(g,h,i)perylene	30400	33 U	32 U
Benzo(k)fluoranthene	31200	32 U	57.6 J
bis(2-Chloroethoxy)methane	20 U	22 U	22 U
bis(2-Chloroethyl)ether	24 U	26 U	26 U
bis(2-Chloroisopropyl)ether	25 U	27 U	27 U
bis(2-Ethylhexyl)phthalate	45 U	49 U	72.8 J
Butyl benzyl phthalate	28 U	30 U	30 U
Carbazole	11500	23 U	23 U
Chrysene	53900	23 U	69.7 J
Dibenzo(a,h)anthracene	8600	30 U	30 U
Dibenzofuran	15400	20 U	20 U
Diethyl phthalate	24 U	26 U	26 U
Dimethyl phthalate	18 U	20 U	20 U
Di-n-butyl phthalate	19 U	20 U	20 U
Di-n-octyl phthalate	24 U	105	222
Fluoranthene	165000	21.4 J	154
Fluorene	22900	21 U	21 U
Hexachlorobenzene	20 U	21 U	21 U
Hexachlorobutadiene	25 U	27 U	27 U
Hexachlorocyclopentadiene	20 U	21 U	21 U
Hexachloroethane	21 U	23 U	22 U
Indeno(1,2,3-cd)pyrene	27500	47 U	46 U
Isophorone	22 U	23 U	23 U
Naphthalene	4650	20 U	21.4 J
Nitrobenzene	20 U	22 U	21 U
N-Nitroso-di-n-propylamine	22 U	24 U	24 U
N-Nitrosodiphenylamine	20 U	21 U	21 U
Pentachlorophenol	22 U	24 U	24 U
Phenanthrene	188000	22 U	164
Phenol	80.4 J	32 U	31 U
Pyrene	139000	44 U	161

NOTE:

ug/kg- micrograms per kilogram

U - Analyte not detected at method detection level

B - Analyte detected in associated method blank

J - analyte detected below quantitation limits

**Summary of SVOCs in Soil
Caemmerer Yard East Investigation**

Table O.2-53

Sample ID Lab ID Matrix Sample Depth Unit	SB-HE-18 16'-18' N78776-6 SOIL 16'-18' ug/kg	SB-HE-18 2'-4' N78384-3 SOIL 2'-4' ug/kg	SB-HE-18 6'-8' N78776-3 SOIL 6'-8' ug/kg
1,2,4-Trichlorobenzene	21 U	20 U	19 U
1,2-Dichlorobenzene	23 U	22 U	21 U
1,3-Dichlorobenzene	22 U	21 U	20 U
1,4-Dichlorobenzene	21 U	20 U	19 U
2,4,5-Trichlorophenol	23 U	23 U	21 U
2,4,6-Trichlorophenol	22 U	21 U	20 U
2,4-Dichlorophenol	25 U	24 U	23 U
2,4-Dimethylphenol	31 U	40.9 J	28 U
2,4-Dinitrophenol	43 U	42 U	40 U
2,4-Dinitrotoluene	22 U	22 U	20 U
2,6-Dinitrotoluene	19 U	19 U	18 U
2-Chloronaphthalene	21 U	21 U	20 U
2-Chlorophenol	23 U	22 U	21 U
2-Methylnaphthalene	22 U	652	111
2-Methylphenol	31 U	59 J	28 U
2-Nitroaniline	27 U	26 U	24 U
2-Nitrophenol	29 U	28 U	26 U
3&4-Methylphenol	42 U	134 J	38 U
3,3'-Dichlorobenzidine	28 U	27 U	26 U
3-Nitroaniline	27 U	26 U	24 U
4,6-Dinitro-o-cresol	23 U	22 U	21 U
4-Bromophenyl phenyl ether	22 U	21 U	20 U
4-Chloro-3-methyl phenol	31 U	30 U	28 U
4-Chloroaniline	26 U	25 U	24 U
4-Chlorophenyl phenyl ether	20 U	20 U	19 U
4-Nitroaniline	24 U	23 U	22 U
4-Nitrophenol	83 U	80 U	76 U
Acenaphthene	24 U	1510	215
Acenaphthylene	18 U	464	66.3 J
Anthracene	22 U	3290	487
Benzo(a)anthracene	23 U	4920	1010
Benzo(a)pyrene	20 U	4120	861

NOTE:

ug/kg- micrograms per kilogram

U - Analyte not detected at method detection level

B - Analyte detected in associated method blank

J - analyte detected below quantitation limits

**Summary of SVOCs in Soil
Caemmerer Yard East Investigation**

Table O.2-53

Sample ID	SB-HE-18 16'-18'	SB-HE-18 2'-4'	SB-HE-18 6'-8'
Lab ID	N78776-6	N78384-3	N78776-3
Matrix	SOIL	SOIL	SOIL
Sample Depth	16'-18'	2'-4'	6'-8'
Unit	ug/kg	ug/kg	ug/kg
Benzo(b)fluoranthene	20 U	4730	740
Benzo(g,h,i)perylene	33 U	1460	493
Benzo(k)fluoranthene	33 U	2560	691
bis(2-Chloroethoxy)methane	22 U	21 U	20 U
bis(2-Chloroethyl)ether	27 U	25 U	24 U
bis(2-Chloroisopropyl)ether	27 U	26 U	25 U
bis(2-Ethylhexyl)phthalate	50 U	48 U	246
Butyl benzyl phthalate	30 U	29 U	28 U
Carbazole	24 U	1640	223
Chrysene	23 U	4660	960
Dibenzo(a,h)anthracene	30 U	405	143
Dibenzofuran	21 U	1310	169
Diethyl phthalate	26 U	25 U	24 U
Dimethyl phthalate	20 U	19 U	18 U
Di-n-butyl phthalate	20 U	20 U	19 U
Di-n-octyl phthalate	26 U	25 U	165
Fluoranthene	20 U	12600	2190
Fluorene	21 U	1490	209
Hexachlorobenzene	21 U	21 U	20 U
Hexachlorobutadiene	27 U	26 U	25 U
Hexachlorocyclopentadiene	21 U	21 U	20 U
Hexachloroethane	23 U	22 U	21 U
Indeno(1,2,3-cd)pyrene	47 U	1650	414
Isophorone	24 U	23 U	21 U
Naphthalene	21 U	1710	227
Nitrobenzene	22 U	21 U	20 U
N-Nitroso-di-n-propylamine	24 U	23 U	22 U
N-Nitrosodiphenylamine	21 U	21 U	19 U
Pentachlorophenol	24 U	23 U	22 U
Phenanthrene	22 U	14200	2250
Phenol	32 U	68.4 J	29 U
Pyrene	44 U	12000	2040

NOTE:

ug/kg- micrograms per kilogram

U - Analyte not detected at method detection level

B - Analyte detected in associated method blank

J - analyte detected below quantitation limits

**Summary of SVOCs in Soil
Caemmerer Yard East Investigation**

Table O.2-53

Sample ID	SB-HE-18 8'-10'	SB-HE-19 12'-14'	SB-HE-19 20'-21'
Lab ID	N78776-4	N78651-5	N78651-6
Matrix	SOIL	SOIL	SOIL
Sample Depth	8'-10'	12'-14'	20'-21'
Unit	ug/kg	ug/kg	ug/kg
1,2,4-Trichlorobenzene	54 U	21 U	21 U
1,2-Dichlorobenzene	61 U	23 U	23 U
1,3-Dichlorobenzene	57 U	22 U	22 U
1,4-Dichlorobenzene	53 U	20 U	21 U
2,4,5-Trichlorophenol	61 U	23 U	24 U
2,4,6-Trichlorophenol	58 U	22 U	22 U
2,4-Dichlorophenol	66 U	25 U	26 U
2,4-Dimethylphenol	79 U	30 U	31 U
2,4-Dinitrophenol	110 U	43 U	44 U
2,4-Dinitrotoluene	58 U	22 U	23 U
2,6-Dinitrotoluene	50 U	19 U	19 U
2-Chloronaphthalene	56 U	21 U	22 U
2-Chlorophenol	59 U	22 U	23 U
2-Methylnaphthalene	57 U	22 U	22 U
2-Methylphenol	81 U	31 U	31 U
2-Nitroaniline	69 U	26 U	27 U
2-Nitrophenol	75 U	29 U	29 U
3&4-Methylphenol	110 U	42 U	42 U
3,3'-Dichlorobenzidine	73 U	28 U	28 U
3-Nitroaniline	69 U	26 U	27 U
4,6-Dinitro-o-cresol	61 U	23 U	23 U
4-Bromophenyl phenyl ether	57 U	22 U	22 U
4-Chloro-3-methyl phenol	81 U	31 U	31 U
4-Chloroaniline	68 U	26 U	26 U
4-Chlorophenyl phenyl ether	53 U	20 U	21 U
4-Nitroaniline	62 U	24 U	24 U
4-Nitrophenol	220 U	82 U	83 U
Acenaphthene	61 U	23 U	24 U
Acenaphthylene	46 U	17 U	18 U
Anthracene	59.3 J	22 U	22 U
Benzo(a)anthracene	147 J	23 U	23 U
Benzo(a)pyrene	103 J	19 U	20 U

NOTE:

ug/kg- micrograms per kilogram

U - Analyte not detected at method detection level

B - Analyte detected in associated method blank

J - analyte detected below quantitation limits

**Summary of SVOCs in Soil
Caemmerer Yard East Investigation**

Table O.2-53

Sample ID	SB-HE-18 8'-10'	SB-HE-19 12'-14'	SB-HE-19 20'-21'
Lab ID	N78776-4	N78651-5	N78651-6
Matrix	SOIL	SOIL	SOIL
Sample Depth	8'-10'	12'-14'	20'-21'
Unit	ug/kg	ug/kg	ug/kg
Benzo(b)fluoranthene	120 J	20 U	20 U
Benzo(g,h,i)perylene	85 U	32 U	33 U
Benzo(k)fluoranthene	85 U	32 U	33 U
bis(2-Chloroethoxy)methane	57 U	22 U	22 U
bis(2-Chloroethyl)ether	69 U	26 U	27 U
bis(2-Chloroisopropyl)ether	71 U	27 U	27 U
bis(2-Ethylhexyl)phthalate	559	417	233
Butyl benzyl phthalate	79 U	30 U	31 U
Carbazole	61 U	23 U	24 U
Chrysene	128 J	23 U	23 U
Dibenzo(a,h)anthracene	79 U	30 U	31 U
Dibenzofuran	53 U	20 U	21 U
Diethyl phthalate	68 U	26 U	26 U
Dimethyl phthalate	52 U	20 U	20 U
Di-n-butyl phthalate	53 U	20 U	21 U
Di-n-octyl phthalate	383	105	26 U
Fluoranthene	272	19 U	20 U
Fluorene	56 U	21 U	21 U
Hexachlorobenzene	56 U	21 U	22 U
Hexachlorobutadiene	70 U	27 U	27 U
Hexachlorocyclopentadiene	56 U	21 U	22 U
Hexachloroethane	59 U	22 U	23 U
Indeno(1,2,3-cd)pyrene	120 U	47 U	47 U
Isophorone	61 U	23 U	24 U
Naphthalene	53 U	20 U	21 U
Nitrobenzene	56 U	21 U	22 U
N-Nitroso-di-n-propylamine	63 U	24 U	24 U
N-Nitrosodiphenylamine	56 U	21 U	22 U
Pentachlorophenol	63 U	24 U	25 U
Phenanthrene	260	22 U	23 U
Phenol	82 U	31 U	32 U
Pyrene	301	44 U	44 U

NOTE:

ug/kg- micrograms per kilogram

U - Analyte not detected at method detection level

B - Analyte detected in associated method blank

J - analyte detected below quantitation limits

**Summary of SVOCs in Soil
Caemmerer Yard East Investigation**

Table O.2-53

Sample ID	SB-HE-19 2'-4'	SB-HE-19 4'-6'	SB-HE-19 8'-10'
Lab ID	N78545-7	N78545-8	N78651-4
Matrix	SOIL	SOIL	SOIL
Sample Depth	2'-4'	4'-6'	8'-10'
Unit	ug/kg	ug/kg	ug/kg
1,2,4-Trichlorobenzene	19 U	19 U	20 U
1,2-Dichlorobenzene	21 U	21 U	23 U
1,3-Dichlorobenzene	20 U	20 U	21 U
1,4-Dichlorobenzene	19 U	18 U	20 U
2,4,5-Trichlorophenol	21 U	21 U	23 U
2,4,6-Trichlorophenol	20 U	20 U	22 U
2,4-Dichlorophenol	23 U	23 U	25 U
2,4-Dimethylphenol	28 U	27 U	30 U
2,4-Dinitrophenol	39 U	39 U	42 U
2,4-Dinitrotoluene	20 U	20 U	22 U
2,6-Dinitrotoluene	17 U	17 U	19 U
2-Chloronaphthalene	19 U	19 U	21 U
2-Chlorophenol	21 U	20 U	22 U
2-Methylnaphthalene	20 U	20 U	21 U
2-Methylphenol	28 U	28 U	30 U
2-Nitroaniline	24 U	24 U	26 U
2-Nitrophenol	26 U	26 U	28 U
3&4-Methylphenol	38 U	38 U	41 U
3,3'-Dichlorobenzidine	26 U	25 U	27 U
3-Nitroaniline	24 U	24 U	26 U
4,6-Dinitro-o-cresol	21 U	21 U	23 U
4-Bromophenyl phenyl ether	20 U	20 U	21 U
4-Chloro-3-methyl phenol	28 U	28 U	30 U
4-Chloroaniline	24 U	23 U	25 U
4-Chlorophenyl phenyl ether	18 U	18 U	20 U
4-Nitroaniline	22 U	21 U	23 U
4-Nitrophenol	75 U	75 U	81 U
Acenaphthene	21 U	21 U	23 U
Acenaphthylene	19.5 J	16 U	17 U
Anthracene	34.3 J	20 U	21 U
Benzo(a)anthracene	110	21 U	23 U
Benzo(a)pyrene	103	18 U	19 U

NOTE:

ug/kg- micrograms per kilogram

U - Analyte not detected at method detection level

B - Analyte detected in associated method blank

J - analyte detected below quantitation limits

**Summary of SVOCs in Soil
Caemmerer Yard East Investigation**

Table O.2-53

Sample ID	SB-HE-19 2'-4'	SB-HE-19 4'-6'	SB-HE-19 8'-10'
Lab ID	N78545-7	N78545-8	N78651-4
Matrix	SOIL	SOIL	SOIL
Sample Depth	2'-4'	4'-6'	8'-10'
Unit	ug/kg	ug/kg	ug/kg
Benzo(b)fluoranthene	140	18 U	19 U
Benzo(g,h,i)perylene	98	30 U	32 U
Benzo(k)fluoranthene	78	29 U	32 U
bis(2-Chloroethoxy)methane	20 U	20 U	21 U
bis(2-Chloroethyl)ether	24 U	24 U	26 U
bis(2-Chloroisopropyl)ether	25 U	25 U	26 U
bis(2-Ethylhexyl)phthalate	45 U	45 U	485
Butyl benzyl phthalate	27 U	27 U	29 U
Carbazole	21 U	21 U	23 U
Chrysene	149	21 U	22 U
Dibenzo(a,h)anthracene	36.4 J	27 U	29 U
Dibenzofuran	19 U	19 U	20 U
Diethyl phthalate	24 U	23 U	25 U
Dimethyl phthalate	18 U	18 U	19 U
Di-n-butyl phthalate	18 U	18 U	20 U
Di-n-octyl phthalate	23 U	23 U	128
Fluoranthene	188	18 U	19 U
Fluorene	19 U	19 U	21 U
Hexachlorobenzene	19 U	19 U	21 U
Hexachlorobutadiene	25 U	24 U	26 U
Hexachlorocyclopentadiene	19 U	19 U	21 U
Hexachloroethane	20 U	20 U	22 U
Indeno(1,2,3-cd)pyrene	82	42 U	46 U
Isophorone	21 U	21 U	23 U
Naphthalene	19 U	19 U	20 U
Nitrobenzene	20 U	20 U	21 U
N-Nitroso-di-n-propylamine	22 U	22 U	24 U
N-Nitrosodiphenylamine	19 U	19 U	21 U
Pentachlorophenol	22 U	22 U	24 U
Phenanthrene	132	20 U	22 U
Phenol	29 U	29 U	31 U
Pyrene	182	40 U	43 U

NOTE:

ug/kg- micrograms per kilogram

U - Analyte not detected at method detection level

B - Analyte detected in associated method blank

J - analyte detected below quantitation limits

**Summary of SVOCs in Soil
Caemmerer Yard East Investigation**

Table O.2-53

Sample ID	SB-HE-20 10-12'	SB-HE-20 4-6'	SB-HE-20 8-10'
Lab ID	N79518-3	N79518-1	N79518-2
Matrix	SOIL	SOIL	SOIL
Sample Depth	10'-12'	4'-6'	8'-10'
Unit	ug/kg	ug/kg	ug/kg
1,2,4-Trichlorobenzene	20 U	21 U	21 U
1,2-Dichlorobenzene	22 U	23 U	23 U
1,3-Dichlorobenzene	21 U	22 U	22 U
1,4-Dichlorobenzene	19 U	20 U	20 U
2,4,5-Trichlorophenol	22 U	23 U	23 U
2,4,6-Trichlorophenol	21 U	22 U	22 U
2,4-Dichlorophenol	24 U	25 U	25 U
2,4-Dimethylphenol	29 U	30 U	30 U
2,4-Dinitrophenol	41 U	43 U	43 U
2,4-Dinitrotoluene	21 U	22 U	22 U
2,6-Dinitrotoluene	18 U	19 U	19 U
2-Chloronaphthalene	20 U	21 U	21 U
2-Chlorophenol	22 U	22 U	22 U
2-Methylnaphthalene	21 U	22 U	22 U
2-Methylphenol	30 U	31 U	31 U
2-Nitroaniline	25 U	26 U	26 U
2-Nitrophenol	27 U	29 U	29 U
3&4-Methylphenol	40 U	42 U	42 U
3,3'-Dichlorobenzidine	27 U	28 U	28 U
3-Nitroaniline	25 U	26 U	26 U
4,6-Dinitro-o-cresol	22 U	23 U	23 U
4-Bromophenyl phenyl ether	21 U	22 U	22 U
4-Chloro-3-methyl phenol	30 U	31 U	31 U
4-Chloroaniline	25 U	26 U	26 U
4-Chlorophenyl phenyl ether	19 U	20 U	20 U
4-Nitroaniline	23 U	24 U	24 U
4-Nitrophenol	79 U	82 U	82 U
Acenaphthene	22 U	23 U	23 U
Acenaphthylene	17 U	17 U	17 U
Anthracene	21 U	22 U	22 U
Benzo(a)anthracene	22 U	23 U	23 U
Benzo(a)pyrene	19 U	19 U	19 U

NOTE:

ug/kg- micrograms per kilogram

U - Analyte not detected at method detection level

B - Analyte detected in associated method blank

J - analyte detected below quantitation limits

**Summary of SVOCs in Soil
Caemmerer Yard East Investigation**

Table O.2-53

Sample ID	SB-HE-20 10-12'	SB-HE-20 4-6'	SB-HE-20 8-10'
Lab ID	N79518-3	N79518-1	N79518-2
Matrix	SOIL	SOIL	SOIL
Sample Depth	10'-12'	4'-6'	8'-10'
Unit	ug/kg	ug/kg	ug/kg
Benzo(b)fluoranthene	19 U	20 U	20 U
Benzo(g,h,i)perylene	31 U	32 U	32 U
Benzo(k)fluoranthene	31 U	32 U	32 U
bis(2-Chloroethoxy)methane	21 U	22 U	22 U
bis(2-Chloroethyl)ether	25 U	26 U	26 U
bis(2-Chloroisopropyl)ether	26 U	27 U	27 U
bis(2-Ethylhexyl)phthalate	47 U	105	49 U
Butyl benzyl phthalate	29 U	30 U	30 U
Carbazole	22 U	23 U	23 U
Chrysene	22 U	23 U	23 U
Dibenzo(a,h)anthracene	29 U	30 U	30 U
Dibenzofuran	20 U	20 U	20 U
Diethyl phthalate	25 U	26 U	26 U
Dimethyl phthalate	19 U	20 U	20 U
Di-n-butyl phthalate	19 U	20 U	20 U
Di-n-octyl phthalate	25 U	26 U	26 U
Fluoranthene	19 U	19 U	19 U
Fluorene	20 U	21 U	21 U
Hexachlorobenzene	20 U	21 U	21 U
Hexachlorobutadiene	26 U	27 U	27 U
Hexachlorocyclopentadiene	20 U	21 U	21 U
Hexachloroethane	21 U	22 U	22 U
Indeno(1,2,3-cd)pyrene	45 U	47 U	46 U
Isophorone	22 U	23 U	23 U
Naphthalene	20 U	20 U	20 U
Nitrobenzene	21 U	21 U	21 U
N-Nitroso-di-n-propylamine	23 U	24 U	24 U
N-Nitrosodiphenylamine	20 U	21 U	21 U
Pentachlorophenol	23 U	24 U	24 U
Phenanthrene	21 U	22 U	22 U
Phenol	30 U	31 U	31 U
Pyrene	42 U	44 U	44 U

NOTE:

ug/kg- micrograms per kilogram

U - Analyte not detected at method detection level

B - Analyte detected in associated method blank

J - analyte detected below quantitation limits

**Summary of SVOCs in Soil
Caemmerer Yard East Investigation**

Table O.2-53

Sample ID	SB-HE-21 10-12'	SB-HE-21 2'-4'	SB-HE-21 24-26'
Lab ID	N79519-5	N78651-1	N79519-6
Matrix	SOIL	SOIL	SOIL
Sample Depth	10'-12'	2'-4'	24'-26'
Unit	ug/kg	ug/kg	ug/kg
1,2,4-Trichlorobenzene	24 U	20 U	20 U
1,2-Dichlorobenzene	27 U	22 U	23 U
1,3-Dichlorobenzene	26 U	21 U	22 U
1,4-Dichlorobenzene	24 U	20 U	20 U
2,4,5-Trichlorophenol	27 U	23 U	23 U
2,4,6-Trichlorophenol	26 U	21 U	22 U
2,4-Dichlorophenol	29 U	24 U	25 U
2,4-Dimethylphenol	35 U	29 U	30 U
2,4-Dinitrophenol	50 U	42 U	43 U
2,4-Dinitrotoluene	26 U	22 U	22 U
2,6-Dinitrotoluene	22 U	18 U	19 U
2-Chloronaphthalene	25 U	21 U	21 U
2-Chlorophenol	26 U	22 U	22 U
2-Methylnaphthalene	25 U	58.4 J	22 U
2-Methylphenol	36 U	30 U	31 U
2-Nitroaniline	31 U	26 U	26 U
2-Nitrophenol	33 U	28 U	28 U
3&4-Methylphenol	49 U	40 U	42 U
3,3'-Dichlorobenzidine	33 U	27 U	28 U
3-Nitroaniline	31 U	26 U	26 U
4,6-Dinitro-o-cresol	27 U	22 U	23 U
4-Bromophenyl phenyl ether	25 U	21 U	22 U
4-Chloro-3-methyl phenol	36 U	30 U	31 U
4-Chloroaniline	30 U	25 U	26 U
4-Chlorophenyl phenyl ether	24 U	20 U	20 U
4-Nitroaniline	28 U	23 U	23 U
4-Nitrophenol	96 U	80 U	82 U
Acenaphthene	27 U	25.2 J	23 U
Acenaphthylene	20 U	84.3	17 U
Anthracene	26 U	107	22 U
Benzo(a)anthracene	27 U	362	23 U
Benzo(a)pyrene	23 U	401	19 U

NOTE:

ug/kg- micrograms per kilogram

U - Analyte not detected at method detection level

B - Analyte detected in associated method blank

J - analyte detected below quantitation limits

**Summary of SVOCs in Soil
Caemmerer Yard East Investigation**

Table O.2-53

Sample ID	SB-HE-21 10-12'	SB-HE-21 2'-4'	SB-HE-21 24-26'
Lab ID	N79519-5	N78651-1	N79519-6
Matrix	SOIL	SOIL	SOIL
Sample Depth	10'-12'	2'-4'	24'-26'
Unit	ug/kg	ug/kg	ug/kg
Benzo(b)fluoranthene	23 U	626	20 U
Benzo(g,h,i)perylene	38 U	230	32 U
Benzo(k)fluoranthene	38 U	352	32 U
bis(2-Chloroethoxy)methane	25 U	21 U	22 U
bis(2-Chloroethyl)ether	31 U	25 U	26 U
bis(2-Chloroisopropyl)ether	32 U	26 U	27 U
bis(2-Ethylhexyl)phthalate	57 U	962	49 U
Butyl benzyl phthalate	35 U	29 U	30 U
Carbazole	27 U	38.2 J	23 U
Chrysene	27 U	437	23 U
Dibenzo(a,h)anthracene	35 U	134	30 U
Dibenzofuran	24 U	43.7 J	20 U
Diethyl phthalate	30 U	25 U	26 U
Dimethyl phthalate	23 U	19 U	20 U
Di-n-butyl phthalate	24 U	20 U	20 U
Di-n-octyl phthalate	149	25 U	26 U
Fluoranthene	23 U	601	19 U
Fluorene	25 U	20.5 J	21 U
Hexachlorobenzene	25 U	21 U	21 U
Hexachlorobutadiene	31 U	26 U	27 U
Hexachlorocyclopentadiene	25 U	21 U	21 U
Hexachloroethane	26 U	22 U	22 U
Indeno(1,2,3-cd)pyrene	54 U	266	46 U
Isophorone	27 U	23 U	23 U
Naphthalene	24 U	48 J	20 U
Nitrobenzene	25 U	21 U	21 U
N-Nitroso-di-n-propylamine	28 U	23 U	24 U
N-Nitrosodiphenylamine	25 U	21 U	21 U
Pentachlorophenol	28 U	23 U	24 U
Phenanthrene	26 U	303	22 U
Phenol	37 U	30 U	31 U
Pyrene	51 U	494	44 U

NOTE:

ug/kg- micrograms per kilogram

U - Analyte not detected at method detection level

B - Analyte detected in associated method blank

J - analyte detected below quantitation limits

**Summary of SVOCs in Soil
Caemmerer Yard East Investigation**

Table O.2-53

Sample ID	SB-HE-21 4'-6'	SB-HE-22 18-20	SB-HE-22 8-10
Lab ID	N78651-2	N79580-3	N79580-2
Matrix	SOIL	SOIL	SOIL
Sample Depth	4'-6'	18'-20'	8'-10'
Unit	ug/kg	ug/kg	ug/kg
1,2,4-Trichlorobenzene	19 U	21 U	19 U
1,2-Dichlorobenzene	21 U	24 U	21 U
1,3-Dichlorobenzene	20 U	22 U	20 U
1,4-Dichlorobenzene	18 U	21 U	18 U
2,4,5-Trichlorophenol	21 U	24 U	21 U
2,4,6-Trichlorophenol	20 U	23 U	20 U
2,4-Dichlorophenol	23 U	26 U	23 U
2,4-Dimethylphenol	27 U	31 U	27 U
2,4-Dinitrophenol	39 U	44 U	39 U
2,4-Dinitrotoluene	20 U	23 U	20 U
2,6-Dinitrotoluene	17 U	20 U	17 U
2-Chloronaphthalene	19 U	22 U	19 U
2-Chlorophenol	20 U	23 U	20 U
2-Methylnaphthalene	20 U	22 U	19 U
2-Methylphenol	28 U	32 U	28 U
2-Nitroaniline	24 U	27 U	24 U
2-Nitrophenol	26 U	29 U	26 U
3&4-Methylphenol	38 U	43 U	38 U
3,3'-Dichlorobenzidine	25 U	29 U	25 U
3-Nitroaniline	24 U	27 U	24 U
4,6-Dinitro-o-cresol	21 U	24 U	21 U
4-Bromophenyl phenyl ether	20 U	22 U	20 U
4-Chloro-3-methyl phenol	28 U	32 U	28 U
4-Chloroaniline	23 U	26 U	23 U
4-Chlorophenyl phenyl ether	18 U	21 U	18 U
4-Nitroaniline	21 U	24 U	21 U
4-Nitrophenol	74 U	84 U	74 U
Acenaphthene	21 U	24 U	21 U
Acenaphthylene	16 U	18 U	16 U
Anthracene	20 U	22 U	20 U
Benzo(a)anthracene	23.3 J	37.8 J	37.5 J
Benzo(a)pyrene	20.7 J	33.7 J	30.4 J

NOTE:

ug/kg- micrograms per kilogram

U - Analyte not detected at method detection level

B - Analyte detected in associated method blank

J - analyte detected below quantitation limits

**Summary of SVOCs in Soil
Caemmerer Yard East Investigation**

Table O.2-53

Sample ID	SB-HE-21 4'-6'	SB-HE-22 18-20	SB-HE-22 8-10
Lab ID	N78651-2	N79580-3	N79580-2
Matrix	SOIL	SOIL	SOIL
Sample Depth	4'-6'	18'-20'	8'-10'
Unit	ug/kg	ug/kg	ug/kg
Benzo(b)fluoranthene	89.1	23.3 J	23.7 J
Benzo(g,h,i)perylene	29 U	33 U	29 U
Benzo(k)fluoranthene	29 U	33 U	35.2 J
bis(2-Chloroethoxy)methane	20 U	22 U	20 U
bis(2-Chloroethyl)ether	24 U	27 U	24 U
bis(2-Chloroisopropyl)ether	24 U	28 U	24 U
bis(2-Ethylhexyl)phthalate	83.8	50 U	44 U
Butyl benzyl phthalate	27 U	31 U	27 U
Carbazole	21 U	24 U	21 U
Chrysene	27 J	45.8 J	35.7 J
Dibenzo(a,h)anthracene	68.4 J	31 U	27 U
Dibenzofuran	18 U	21 U	18 U
Diethyl phthalate	23 U	26 U	23 U
Dimethyl phthalate	18 U	20 U	18 U
Di-n-butyl phthalate	18 U	21 U	18 U
Di-n-octyl phthalate	23 U	26 U	23 U
Fluoranthene	39.9 J	51.6 J	74.4
Fluorene	19 U	22 U	19 U
Hexachlorobenzene	19 U	22 U	19 U
Hexachlorobutadiene	24 U	28 U	24 U
Hexachlorocyclopentadiene	19 U	22 U	19 U
Hexachloroethane	20 U	23 U	20 U
Indeno(1,2,3-cd)pyrene	72.2 J	48 U	42 U
Isophorone	21 U	24 U	21 U
Naphthalene	18 U	21 U	18 U
Nitrobenzene	19 U	22 U	19 U
N-Nitroso-di-n-propylamine	22 U	25 U	22 U
N-Nitrosodiphenylamine	19 U	22 U	19 U
Pentachlorophenol	22 U	25 U	22 U
Phenanthrene	27.8 J	29.6 J	74.1
Phenol	28 U	32 U	28 U
Pyrene	39 U	64.7 J	57.6 J

NOTE:

ug/kg- micrograms per kilogram

U - Analyte not detected at method detection level

B - Analyte detected in associated method blank

J - analyte detected below quantitation limits

**Summary of SVOCs in Soil
Caemmerer Yard East Investigation**

Table O.2-53

Sample ID	SB-HE-23 2-4'	SB-HE-23 4-6'	SB-HE-23 6-8'
Lab ID	N79518-4	N79518-5	N79518-6
Matrix	SOIL	SOIL	SOIL
Sample Depth	2'-4'	4'-6'	6'-8'
Unit	ug/kg	ug/kg	ug/kg
1,2,4-Trichlorobenzene	19 U	20 U	19 U
1,2-Dichlorobenzene	21 U	22 U	21 U
1,3-Dichlorobenzene	20 U	21 U	20 U
1,4-Dichlorobenzene	18 U	19 U	19 U
2,4,5-Trichlorophenol	21 U	22 U	22 U
2,4,6-Trichlorophenol	20 U	21 U	21 U
2,4-Dichlorophenol	23 U	24 U	23 U
2,4-Dimethylphenol	27 U	29 U	28 U
2,4-Dinitrophenol	39 U	41 U	40 U
2,4-Dinitrotoluene	20 U	21 U	21 U
2,6-Dinitrotoluene	17 U	18 U	18 U
2-Chloronaphthalene	19 U	20 U	20 U
2-Chlorophenol	20 U	22 U	21 U
2-Methylnaphthalene	20 U	21 U	20 U
2-Methylphenol	28 U	30 U	29 U
2-Nitroaniline	24 U	25 U	24 U
2-Nitrophenol	26 U	27 U	27 U
3&4-Methylphenol	38 U	40 U	39 U
3,3'-Dichlorobenzidine	25 U	27 U	26 U
3-Nitroaniline	24 U	25 U	25 U
4,6-Dinitro-o-cresol	21 U	22 U	21 U
4-Bromophenyl phenyl ether	20 U	21 U	20 U
4-Chloro-3-methyl phenol	28 U	30 U	29 U
4-Chloroaniline	23 U	25 U	24 U
4-Chlorophenyl phenyl ether	18 U	19 U	19 U
4-Nitroaniline	21 U	23 U	22 U
4-Nitrophenol	74 U	79 U	76 U
Acenaphthene	21 U	22 U	22 U
Acenaphthylene	16 U	17 U	16 U
Anthracene	20 U	21 U	20 U
Benzo(a)anthracene	21 U	22 U	21 U
Benzo(a)pyrene	17 U	19 U	18 U

NOTE:

ug/kg- micrograms per kilogram

U - Analyte not detected at method detection level

B - Analyte detected in associated method blank

J - analyte detected below quantitation limits

**Summary of SVOCs in Soil
Caemmerer Yard East Investigation**

Table O.2-53

Sample ID	SB-HE-23 2-4'	SB-HE-23 4-6'	SB-HE-23 6-8'
Lab ID	N79518-4	N79518-5	N79518-6
Matrix	SOIL	SOIL	SOIL
Sample Depth	2'-4'	4'-6'	6'-8'
Unit	ug/kg	ug/kg	ug/kg
Benzo(b)fluoranthene	18 U	19 U	18 U
Benzo(g,h,i)perylene	29 U	31 U	30 U
Benzo(k)fluoranthene	29 U	31 U	30 U
bis(2-Chloroethoxy)methane	20 U	21 U	20 U
bis(2-Chloroethyl)ether	24 U	25 U	24 U
bis(2-Chloroisopropyl)ether	24 U	26 U	25 U
bis(2-Ethylhexyl)phthalate	44 U	47 U	46 U
Butyl benzyl phthalate	27 U	29 U	28 U
Carbazole	21 U	22 U	22 U
Chrysene	21 U	22 U	21 U
Dibenzo(a,h)anthracene	27 U	29 U	28 U
Dibenzofuran	18 U	20 U	19 U
Diethyl phthalate	23 U	25 U	24 U
Dimethyl phthalate	18 U	19 U	18 U
Di-n-butyl phthalate	18 U	19 U	19 U
Di-n-octyl phthalate	23 U	25 U	24 U
Fluoranthene	17 U	19 U	18 U
Fluorene	19 U	20 U	20 U
Hexachlorobenzene	19 U	20 U	20 U
Hexachlorobutadiene	24 U	26 U	25 U
Hexachlorocyclopentadiene	19 U	20 U	20 U
Hexachloroethane	20 U	22 U	21 U
Indeno(1,2,3-cd)pyrene	42 U	45 U	43 U
Isophorone	21 U	22 U	22 U
Naphthalene	18 U	20 U	19 U
Nitrobenzene	19 U	21 U	20 U
N-Nitroso-di-n-propylamine	22 U	23 U	22 U
N-Nitrosodiphenylamine	19 U	20 U	20 U
Pentachlorophenol	22 U	23 U	22 U
Phenanthrene	20 U	21 U	21 U
Phenol	28 U	30 U	29 U
Pyrene	39 U	42 U	41 U

NOTE:

ug/kg- micrograms per kilogram

U - Analyte not detected at method detection level

B - Analyte detected in associated method blank

J - analyte detected below quantitation limits

**Summary of SVOCs in Soil
Caemmerer Yard East Investigation**

Table O.2-53

Sample ID	SB-HE-24 0-2	SB-HE-24 12-14	SB-HE-24 22-24
Lab ID	N79268-1	N79268-4	N79268-5
Matrix	SOIL	SOIL	SOIL
Sample Depth	0'-2'	12'-14'	22'-24'
Unit	ug/kg	ug/kg	ug/kg
1,2,4-Trichlorobenzene	57 U	18 U	20 U
1,2-Dichlorobenzene	64 U	20 U	23 U
1,3-Dichlorobenzene	60 U	19 U	21 U
1,4-Dichlorobenzene	56 U	18 U	20 U
2,4,5-Trichlorophenol	64 U	21 U	23 U
2,4,6-Trichlorophenol	61 U	20 U	22 U
2,4-Dichlorophenol	69 U	22 U	25 U
2,4-Dimethylphenol	83 U	27 U	30 U
2,4-Dinitrophenol	120 U	38 U	42 U
2,4-Dinitrotoluene	61 U	20 U	22 U
2,6-Dinitrotoluene	53 U	17 U	19 U
2-Chloronaphthalene	59 U	19 U	21 U
2-Chlorophenol	62 U	20 U	22 U
2-Methylnaphthalene	79.6 J	19 U	21 U
2-Methylphenol	85 U	27 U	30 U
2-Nitroaniline	73 U	23 U	26 U
2-Nitrophenol	79 U	25 U	28 U
3&4-Methylphenol	120 U	37 U	41 U
3,3'-Dichlorobenzidine	77 U	25 U	27 U
3-Nitroaniline	73 U	23 U	26 U
4,6-Dinitro-o-cresol	64 U	21 U	23 U
4-Bromophenyl phenyl ether	60 U	19 U	21 U
4-Chloro-3-methyl phenol	85 U	27 U	30 U
4-Chloroaniline	71 U	23 U	25 U
4-Chlorophenyl phenyl ether	56 U	18 U	20 U
4-Nitroaniline	65 U	21 U	23 U
4-Nitrophenol	230 U	73 U	81 U
Acenaphthene	150 J	21 U	23 U
Acenaphthylene	356	26.2 J	17 U
Anthracene	465	59.9 J	22 U
Benzo(a)anthracene	1610	195	23 U
Benzo(a)pyrene	2160	227	19 U

NOTE:

ug/kg- micrograms per kilogram

U - Analyte not detected at method detection level

B - Analyte detected in associated method blank

J - analyte detected below quantitation limits

**Summary of SVOCs in Soil
Caemmerer Yard East Investigation**

Table O.2-53

Sample ID	SB-HE-24 0-2	SB-HE-24 12-14	SB-HE-24 22-24
Lab ID	N79268-1	N79268-4	N79268-5
Matrix	SOIL	SOIL	SOIL
Sample Depth	0'-2'	12'-14'	22'-24'
Unit	ug/kg	ug/kg	ug/kg
Benzo(b)fluoranthene	2340	341	19 U
Benzo(g,h,i)perylene	744	63.5 J	32 U
Benzo(k)fluoranthene	2290	147	32 U
bis(2-Chloroethoxy)methane	60 U	19 U	21 U
bis(2-Chloroethyl)ether	72 U	23 U	26 U
bis(2-Chloroisopropyl)ether	74 U	24 U	27 U
bis(2-Ethylhexyl)phthalate	146 J	521	71.7 J
Butyl benzyl phthalate	83 U	27 U	30 U
Carbazole	110 J	21 U	23 U
Chrysene	1750	213	22 U
Dibenzo(a,h)anthracene	177 J	27 U	30 U
Dibenzofuran	178 J	33.5 J	20 U
Diethyl phthalate	71 U	23 U	25 U
Dimethyl phthalate	55 U	18 U	19 U
Di-n-butyl phthalate	56 U	18 U	20 U
Di-n-octyl phthalate	71 U	99.8	25 U
Fluoranthene	3270	381	19 U
Fluorene	82.4 J	19 U	21 U
Hexachlorobenzene	59 U	19 U	21 U
Hexachlorobutadiene	74 U	24 U	26 U
Hexachlorocyclopentadiene	59 U	19 U	21 U
Hexachloroethane	62 U	20 U	22 U
Indeno(1,2,3-cd)pyrene	828	72.5 J	46 U
Isophorone	64 U	21 U	23 U
Naphthalene	153 J	33.6 J	20 U
Nitrobenzene	59 U	19 U	21 U
N-Nitroso-di-n-propylamine	66 U	21 U	24 U
N-Nitrosodiphenylamine	58 U	19 U	21 U
Pentachlorophenol	67 U	21 U	24 U
Phenanthrene	1720	205	22 U
Phenol	86 U	28 U	31 U
Pyrene	3650	335	43 U

NOTE:

ug/kg- micrograms per kilogram

U - Analyte not detected at method detection level

B - Analyte detected in associated method blank

J - analyte detected below quantitation limits

**Summary of SVOCs in Soil
Caemmerer Yard East Investigation**

Table O.2-53

Sample ID	SB-HE-24 2-4	SB-HE-24 6-8	SB-HE-17/2-4
Lab ID	N79268-2	N79268-3	N79714-3
Matrix	SOIL	SOIL	SOIL
Sample Depth	2'-4'	6'-8'	2'-4'
Unit	ug/kg	ug/kg	ug/kg
1,2,4-Trichlorobenzene	19 U	19 U	20 U
1,2-Dichlorobenzene	21 U	21 U	22 U
1,3-Dichlorobenzene	20 U	20 U	21 U
1,4-Dichlorobenzene	19 U	18 U	20 U
2,4,5-Trichlorophenol	21 U	21 U	23 U
2,4,6-Trichlorophenol	20 U	20 U	22 U
2,4-Dichlorophenol	23 U	23 U	24 U
2,4-Dimethylphenol	28 U	27 U	29 U
2,4-Dinitrophenol	40 U	39 U	42 U
2,4-Dinitrotoluene	20 U	20 U	22 U
2,6-Dinitrotoluene	18 U	17 U	19 U
2-Chloronaphthalene	20 U	19 U	21 U
2-Chlorophenol	21 U	20 U	22 U
2-Methylnaphthalene	49.1 J	20 U	171
2-Methylphenol	28 U	28 U	30 U
2-Nitroaniline	24 U	24 U	26 U
2-Nitrophenol	26 U	26 U	28 U
3&4-Methylphenol	38 U	38 U	41 U
3,3'-Dichlorobenzidine	26 U	25 U	27 U
3-Nitroaniline	24 U	24 U	26 U
4,6-Dinitro-o-cresol	21 U	21 U	23 U
4-Bromophenyl phenyl ether	20 U	20 U	21 U
4-Chloro-3-methyl phenol	28 U	28 U	30 U
4-Chloroaniline	24 U	23 U	25 U
4-Chlorophenyl phenyl ether	19 U	18 U	20 U
4-Nitroaniline	22 U	21 U	23 U
4-Nitrophenol	76 U	75 U	80 U
Acenaphthene	125	21 U	57 J
Acenaphthylene	131	18.6 J	126
Anthracene	358	52.7 J	192
Benzo(a)anthracene	1110	168	742
Benzo(a)pyrene	1250	171	723

NOTE:

ug/kg- micrograms per kilogram

U - Analyte not detected at method detection level

B - Analyte detected in associated method blank

J - analyte detected below quantitation limits

**Summary of SVOCs in Soil
Caemmerer Yard East Investigation**

Table O.2-53

Sample ID	SB-HE-24 2-4	SB-HE-24 6-8	SB-HE-17/2-4
Lab ID	N79268-2	N79268-3	N79714-3
Matrix	SOIL	SOIL	SOIL
Sample Depth	2'-4'	6'-8'	2'-4'
Unit	ug/kg	ug/kg	ug/kg
Benzo(b)fluoranthene	1840	315	885
Benzo(g,h,i)perylene	387	67.1 J	326
Benzo(k)fluoranthene	933	107	637
bis(2-Chloroethoxy)methane	20 U	20 U	21 U
bis(2-Chloroethyl)ether	24 U	24 U	26 U
bis(2-Chloroisopropyl)ether	25 U	25 U	26 U
bis(2-Ethylhexyl)phthalate	258	238	83.5
Butyl benzyl phthalate	28 U	27 U	29 U
Carbazole	71.6 J	21 U	85.5
Chrysene	1180	192	802
Dibenzo(a,h)anthracene	123	27 U	162
Dibenzofuran	169	21.1 J	76.9 J
Diethyl phthalate	24 U	23 U	25 U
Dimethyl phthalate	18 U	18 U	19 U
Di-n-butyl phthalate	19 U	18 U	20 U
Di-n-octyl phthalate	24 U	23 U	25 U
Fluoranthene	2050	310	1430
Fluorene	64.1 J	19 U	57 J
Hexachlorobenzene	20 U	19 U	21 U
Hexachlorobutadiene	25 U	24 U	26 U
Hexachlorocyclopentadiene	20 U	19 U	21 U
Hexachloroethane	21 U	20 U	22 U
Indeno(1,2,3-cd)pyrene	448	71.6 J	325
Isophorone	21 U	21 U	23 U
Naphthalene	104	28.3 J	223
Nitrobenzene	20 U	20 U	21 U
N-Nitroso-di-n-propylamine	22 U	22 U	23 U
N-Nitrosodiphenylamine	19 U	19 U	21 U
Pentachlorophenol	22 U	22 U	24 U
Phenanthrene	975	177	1060
Phenol	29 U	29 U	31 U
Pyrene	2500	314	1930

NOTE:

ug/kg- micrograms per kilogram

U - Analyte not detected at method detection level

B - Analyte detected in associated method blank

J - analyte detected below quantitation limits

**Summary of SVOCs in Soil
Caemmerer Yard East Investigation**

Table O.2-53

Sample ID	SB-HE-57/2-4 (dup)	SB-HE-25/0-2
Lab ID	N79714-6	N79714-4
Matrix	SOIL	SOIL
Sample Depth	2'-4'	0'-2'
Unit	ug/kg	ug/kg
1,2,4-Trichlorobenzene	20 U	18 U
1,2-Dichlorobenzene	23 U	20 U
1,3-Dichlorobenzene	22 U	19 U
1,4-Dichlorobenzene	20 U	18 U
2,4,5-Trichlorophenol	23 U	20 U
2,4,6-Trichlorophenol	22 U	19 U
2,4-Dichlorophenol	25 U	22 U
2,4-Dimethylphenol	30 U	26 U
2,4-Dinitrophenol	43 U	37 U
2,4-Dinitrotoluene	22 U	19 U
2,6-Dinitrotoluene	19 U	17 U
2-Chloronaphthalene	21 U	18 U
2-Chlorophenol	22 U	20 U
2-Methylnaphthalene	167	3830
2-Methylphenol	31 U	27 U
2-Nitroaniline	26 U	23 U
2-Nitrophenol	28 U	25 U
3&4-Methylphenol	42 U	36 U
3,3'-Dichlorobenzidine	28 U	24 U
3-Nitroaniline	26 U	23 U
4,6-Dinitro-o-cresol	23 U	20 U
4-Bromophenyl phenyl ether	22 U	19 U
4-Chloro-3-methyl phenol	31 U	27 U
4-Chloroaniline	26 U	22 U
4-Chlorophenyl phenyl ether	20 U	18 U
4-Nitroaniline	23 U	20 U
4-Nitrophenol	82 U	71 U
Acenaphthene	68.1 J	1520
Acenaphthylene	109	527
Anthracene	205	20700
Benzo(a)anthracene	743	6260
Benzo(a)pyrene	657	2810

NOTE:

ug/kg- micrograms per kilogram

U - Analyte not detected at method detection level

B - Analyte detected in associated method blank

J - analyte detected below quantitation limits

**Summary of SVOCs in Soil
Caemmerer Yard East Investigation**

Table O.2-53

Sample ID	SB-HE-57/2-4 (dup)	SB-HE-25/0-2
Lab ID	N79714-6	N79714-4
Matrix	SOIL	SOIL
Sample Depth	2'-4'	0'-2'
Unit	ug/kg	ug/kg
Benzo(b)fluoranthene	794	3790
Benzo(g,h,i)perylene	318	1010
Benzo(k)fluoranthene	635	3280
bis(2-Chloroethoxy)methane	22 U	19 U
bis(2-Chloroethyl)ether	26 U	23 U
bis(2-Chloroisopropyl)ether	27 U	23 U
bis(2-Ethylhexyl)phthalate	84.4	395
Butyl benzyl phthalate	30 U	26 U
Carbazole	97.9	8230
Chrysene	751	8840
Dibenzo(a,h)anthracene	170	388
Dibenzofuran	95.4	4570
Diethyl phthalate	26 U	22 U
Dimethyl phthalate	20 U	17 U
Di-n-butyl phthalate	20 U	18 U
Di-n-octyl phthalate	26 U	22 U
Fluoranthene	1310	16100
Fluorene	72.2 J	3390
Hexachlorobenzene	21 U	18 U
Hexachlorobutadiene	27 U	23 U
Hexachlorocyclopentadiene	21 U	18 U
Hexachloroethane	22 U	19 U
Indeno(1,2,3-cd)pyrene	334	993
Isophorone	23 U	20 U
Naphthalene	253	8610
Nitrobenzene	21 U	19 U
N-Nitroso-di-n-propylamine	24 U	21 U
N-Nitrosodiphenylamine	21 U	18 U
Pentachlorophenol	24 U	21 U
Phenanthrene	1060	14200
Phenol	31 U	27 U
Pyrene	2070	16400

NOTE:

ug/kg- micrograms per kilogram

U - Analyte not detected at method detection level

B - Analyte detected in associated method blank

J - analyte detected below quantitation limits

**Summary of SVOCs in Soil
Caemmerer Yard East Investigation**

Table O.2-53

Sample ID	SB-HE-56/0-2 (dup)
Lab ID	N79714-5
Matrix	SOIL
Sample Depth	0'-2'
Unit	ug/kg
1,2,4-Trichlorobenzene	18 U
1,2-Dichlorobenzene	20 U
1,3-Dichlorobenzene	19 U
1,4-Dichlorobenzene	17 U
2,4,5-Trichlorophenol	20 U
2,4,6-Trichlorophenol	19 U
2,4-Dichlorophenol	21 U
2,4-Dimethylphenol	26 U
2,4-Dinitrophenol	37 U
2,4-Dinitrotoluene	19 U
2,6-Dinitrotoluene	16 U
2-Chloronaphthalene	18 U
2-Chlorophenol	19 U
2-Methylnaphthalene	4110
2-Methylphenol	26 U
2-Nitroaniline	22 U
2-Nitrophenol	24 U
3&4-Methylphenol	36 U
3,3'-Dichlorobenzidine	24 U
3-Nitroaniline	23 U
4,6-Dinitro-o-cresol	20 U
4-Bromophenyl phenyl ether	19 U
4-Chloro-3-methyl phenol	26 U
4-Chloroaniline	22 U
4-Chlorophenyl phenyl ether	17 U
4-Nitroaniline	20 U
4-Nitrophenol	70 U
Acenaphthene	3080
Acenaphthylene	426
Anthracene	17800
Benzo(a)anthracene	14100
Benzo(a)pyrene	8990

NOTE:

ug/kg- micrograms per kilogram

U - Analyte not detected at method detection level

B - Analyte detected in associated method blank

J - analyte detected below quantitation limits

**Summary of SVOCs in Soil
Caemmerer Yard East Investigation**

Table O.2-53

Sample ID	SB-HE-56/0-2 (dup)
Lab ID	N79714-5
Matrix	SOIL
Sample Depth	0'-2'
Unit	ug/kg
Benzo(b)fluoranthene	9220
Benzo(g,h,i)perylene	3440
Benzo(k)fluoranthene	7810
bis(2-Chloroethoxy)methane	19 U
bis(2-Chloroethyl)ether	22 U
bis(2-Chloroisopropyl)ether	23 U
bis(2-Ethylhexyl)phthalate	428
Butyl benzyl phthalate	26 U
Carbazole	7000
Chrysene	16000
Dibenzo(a,h)anthracene	1020
Dibenzofuran	5140
Diethyl phthalate	22 U
Dimethyl phthalate	17 U
Di-n-butyl phthalate	17 U
Di-n-octyl phthalate	22 U
Fluoranthene	37000
Fluorene	4540
Hexachlorobenzene	18 U
Hexachlorobutadiene	23 U
Hexachlorocyclopentadiene	18 U
Hexachloroethane	19 U
Indeno(1,2,3-cd)pyrene	2780
Isophorone	20 U
Naphthalene	9410
Nitrobenzene	18 U
N-Nitroso-di-n-propylamine	21 U
N-Nitrosodiphenylamine	18 U
Pentachlorophenol	21 U
Phenanthrene	42400
Phenol	27 U
Pyrene	47000

NOTE:

ug/kg- micrograms per kilogram

U - Analyte not detected at method detection level

B - Analyte detected in associated method blank

J - analyte detected below quantitation limits

**Summary of SVOCs in Soil
Caemmerer Yard East Investigation**

Table O.2-53

Sample ID	SB-HE-01 2-4'	SB-HE-01 6-8'	SB-HE-01 8-10'
Lab ID	N79886-1	N79886-2	N79886-3
Matrix	SOIL	SOIL	SOIL
Sample Depth	2'-4'	6'-8'	8'-10'
Unit	ug/kg	ug/kg	ug/kg
1,2,4-Trichlorobenzene	18 U	20 U	21 U
1,2-Dichlorobenzene	20 U	22 U	23 U
1,3-Dichlorobenzene	19 U	21 U	22 U
1,4-Dichlorobenzene	18 U	19 U	21 U
2,4,5-Trichlorophenol	20 U	22 U	24 U
2,4,6-Trichlorophenol	19 U	21 U	22 U
2,4-Dichlorophenol	22 U	24 U	25 U
2,4-Dimethylphenol	26 U	29 U	31 U
2,4-Dinitrophenol	37 U	41 U	43 U
2,4-Dinitrotoluene	19 U	21 U	22 U
2,6-Dinitrotoluene	17 U	18 U	19 U
2-Chloronaphthalene	18 U	20 U	22 U
2-Chlorophenol	20 U	21 U	23 U
2-Methylnaphthalene	19 U	21 U	22 U
2-Methylphenol	27 U	29 U	31 U
2-Nitroaniline	23 U	25 U	27 U
2-Nitrophenol	25 U	27 U	29 U
3&4-Methylphenol	36 U	40 U	42 U
3,3'-Dichlorobenzidine	24 U	27 U	28 U
3-Nitroaniline	23 U	25 U	27 U
4,6-Dinitro-o-cresol	20 U	22 U	23 U
4-Bromophenyl phenyl ether	19 U	21 U	22 U
4-Chloro-3-methyl phenol	27 U	29 U	31 U
4-Chloroaniline	22 U	25 U	26 U
4-Chlorophenyl phenyl ether	17 U	19 U	20 U
4-Nitroaniline	20 U	22 U	24 U
4-Nitrophenol	71 U	78 U	83 U
Acenaphthene	20 U	22 U	24 U
Acenaphthylene	15 U	17 U	18 U
Anthracene	19 U	21 U	22 U
Benzo(a)anthracene	20 U	22 U	23 U
Benzo(a)pyrene	17 U	18 U	20 U

NOTE:

ug/kg- micrograms per kilogram

U - Analyte not detected at method detection level

B - Analyte detected in associated method blank

J - analyte detected below quantitation limits

**Summary of SVOCs in Soil
Caemmerer Yard East Investigation**

Table O.2-53

Sample ID	SB-HE-01 2-4'	SB-HE-01 6-8'	SB-HE-01 8-10'
Lab ID	N79886-1	N79886-2	N79886-3
Matrix	SOIL	SOIL	SOIL
Sample Depth	2'-4'	6'-8'	8'-10'
Unit	ug/kg	ug/kg	ug/kg
Benzo(b)fluoranthene	17 U	19 U	20 U
Benzo(g,h,i)perylene	28 U	31 U	33 U
Benzo(k)fluoranthene	28 U	31 U	33 U
bis(2-Chloroethoxy)methane	19 U	21 U	22 U
bis(2-Chloroethyl)ether	23 U	25 U	27 U
bis(2-Chloroisopropyl)ether	23 U	26 U	27 U
bis(2-Ethylhexyl)phthalate	45.8 J	91.9	50 U
Butyl benzyl phthalate	26 U	29 U	30 U
Carbazole	20 U	22 U	24 U
Chrysene	20 U	22 U	23 U
Dibenzo(a,h)anthracene	26 U	29 U	30 U
Dibenzofuran	18 U	19 U	21 U
Diethyl phthalate	22 U	24 U	26 U
Dimethyl phthalate	17 U	19 U	20 U
Di-n-butyl phthalate	18 U	19 U	20 U
Di-n-octyl phthalate	113	24 U	26 U
Fluoranthene	17 U	18 U	20 U
Fluorene	18 U	20 U	21 U
Hexachlorobenzene	18 U	20 U	21 U
Hexachlorobutadiene	23 U	26 U	27 U
Hexachlorocyclopentadiene	18 U	20 U	21 U
Hexachloroethane	19 U	21 U	23 U
Indeno(1,2,3-cd)pyrene	40 U	44 U	47 U
Isophorone	20 U	22 U	24 U
Naphthalene	18 U	19 U	21 U
Nitrobenzene	19 U	20 U	22 U
N-Nitroso-di-n-propylamine	21 U	23 U	24 U
N-Nitrosodiphenylamine	18 U	20 U	21 U
Pentachlorophenol	21 U	23 U	24 U
Phenanthrene	19 U	21 U	22 U
Phenol	27 U	30 U	32 U
Pyrene	38 U	42 U	44 U

NOTE:

ug/kg- micrograms per kilogram

U - Analyte not detected at method detection level

B - Analyte detected in associated method blank

J - analyte detected below quantitation limits

**Summary of SVOCs in Soil
Caemmerer Yard East Investigation**

Table O.2-53

Sample ID	SB-HE-02 0-2'	SB-HE-02 6-8'	SB-HE-02 8-10'
Lab ID	N79886-4	N79886-5	N79886-6
Matrix	SOIL	SOIL	SOIL
Sample Depth	0'-2'	6'-8'	8'-10'
Unit	ug/kg	ug/kg	ug/kg
1,2,4-Trichlorobenzene	19 U	20 U	20 U
1,2-Dichlorobenzene	21 U	22 U	22 U
1,3-Dichlorobenzene	20 U	21 U	21 U
1,4-Dichlorobenzene	19 U	20 U	20 U
2,4,5-Trichlorophenol	21 U	23 U	22 U
2,4,6-Trichlorophenol	20 U	22 U	21 U
2,4-Dichlorophenol	23 U	24 U	24 U
2,4-Dimethylphenol	28 U	29 U	29 U
2,4-Dinitrophenol	40 U	42 U	41 U
2,4-Dinitrotoluene	21 U	22 U	21 U
2,6-Dinitrotoluene	18 U	19 U	18 U
2-Chloronaphthalene	20 U	21 U	20 U
2-Chlorophenol	21 U	22 U	22 U
2-Methylnaphthalene	20 U	21 U	21 U
2-Methylphenol	28 U	30 U	30 U
2-Nitroaniline	24 U	26 U	25 U
2-Nitrophenol	26 U	28 U	28 U
3&4-Methylphenol	39 U	41 U	40 U
3,3'-Dichlorobenzidine	26 U	27 U	27 U
3-Nitroaniline	24 U	26 U	25 U
4,6-Dinitro-o-cresol	21 U	23 U	22 U
4-Bromophenyl phenyl ether	20 U	21 U	21 U
4-Chloro-3-methyl phenol	29 U	30 U	30 U
4-Chloroaniline	24 U	25 U	25 U
4-Chlorophenyl phenyl ether	19 U	20 U	19 U
4-Nitroaniline	22 U	23 U	23 U
4-Nitrophenol	76 U	80 U	79 U
Acenaphthene	22 U	23 U	22 U
Acenaphthylene	16 U	17 U	17 U
Anthracene	20 U	21 U	42.1 J
Benzo(a)anthracene	40.1 J	63.2 J	145
Benzo(a)pyrene	38 J	60.5 J	131

NOTE:

ug/kg- micrograms per kilogram

U - Analyte not detected at method detection level

B - Analyte detected in associated method blank

J - analyte detected below quantitation limits

**Summary of SVOCs in Soil
Caemmerer Yard East Investigation**

Table O.2-53

Sample ID	SB-HE-02 0-2'	SB-HE-02 6-8'	SB-HE-02 8-10'
Lab ID	N79886-4	N79886-5	N79886-6
Matrix	SOIL	SOIL	SOIL
Sample Depth	0'-2'	6'-8'	8'-10'
Unit	ug/kg	ug/kg	ug/kg
Benzo(b)fluoranthene	141	63 J	135
Benzo(g,h,i)perylene	42 J	47 J	93
Benzo(k)fluoranthene	95.5	61.7 J	120
bis(2-Chloroethoxy)methane	20 U	21 U	21 U
bis(2-Chloroethyl)ether	24 U	26 U	25 U
bis(2-Chloroisopropyl)ether	25 U	26 U	26 U
bis(2-Ethylhexyl)phthalate	59.1 J	79.8 J	211
Butyl benzyl phthalate	28 U	29 U	29 U
Carbazole	22 U	23 U	22 U
Chrysene	97.6	59.7 J	135
Dibenzo(a,h)anthracene	28 U	29 U	29 U
Dibenzofuran	19 U	20 U	20 U
Diethyl phthalate	24 U	25 U	25 U
Dimethyl phthalate	18 U	19 U	19 U
Di-n-butyl phthalate	19 U	20 U	19 U
Di-n-octyl phthalate	24 U	157	25 U
Fluoranthene	139	96	269
Fluorene	20 U	21 U	20 U
Hexachlorobenzene	20 U	21 U	20 U
Hexachlorobutadiene	25 U	26 U	26 U
Hexachlorocyclopentadiene	20 U	21 U	20 U
Hexachloroethane	21 U	22 U	22 U
Indeno(1,2,3-cd)pyrene	43 U	45 U	101
Isophorone	22 U	23 U	22 U
Naphthalene	19 U	20 U	20 U
Nitrobenzene	20 U	21 U	21 U
N-Nitroso-di-n-propylamine	22 U	23 U	23 U
N-Nitrosodiphenylamine	20 U	21 U	20 U
Pentachlorophenol	22 U	24 U	23 U
Phenanthrene	25.9 J	51.4 J	143
Phenol	29 U	31 U	30 U
Pyrene	119	93.1	247

NOTE:

ug/kg- micrograms per kilogram

U - Analyte not detected at method detection level

B - Analyte detected in associated method blank

J - analyte detected below quantitation limits

**Summary of SVOCs in Soil
Caemmerer Yard East Investigation**

Table O.2-53

Sample ID	SB-EE-03 2-4'	SB-EE-52 2-4' (dup)
Lab ID	N79935-3	N79935-1
Matrix	SOIL	SOIL
Sample Depth	2'-4'	2'-4'
Unit	ug/kg	ug/kg
1,2,4-Trichlorobenzene	19 U	18 U
1,2-Dichlorobenzene	21 U	21 U
1,3-Dichlorobenzene	20 U	20 U
1,4-Dichlorobenzene	19 U	18 U
2,4,5-Trichlorophenol	21 U	21 U
2,4,6-Trichlorophenol	20 U	20 U
2,4-Dichlorophenol	23 U	23 U
2,4-Dimethylphenol	28 U	27 U
2,4-Dinitrophenol	40 U	38 U
2,4-Dinitrotoluene	20 U	20 U
2,6-Dinitrotoluene	18 U	17 U
2-Chloronaphthalene	20 U	19 U
2-Chlorophenol	21 U	20 U
2-Methylnaphthalene	20 U	19 U
2-Methylphenol	28 U	28 U
2-Nitroaniline	24 U	24 U
2-Nitrophenol	26 U	26 U
3&4-Methylphenol	38 U	37 U
3,3'-Dichlorobenzidine	26 U	25 U
3-Nitroaniline	24 U	24 U
4,6-Dinitro-o-cresol	21 U	21 U
4-Bromophenyl phenyl ether	20 U	20 U
4-Chloro-3-methyl phenol	28 U	28 U
4-Chloroaniline	24 U	23 U
4-Chlorophenyl phenyl ether	19 U	18 U
4-Nitroaniline	22 U	21 U
4-Nitrophenol	76 U	74 U
Acenaphthene	21 U	21 U
Acenaphthylene	16 U	16 U
Anthracene	20 U	20 U
Benzo(a)anthracene	21 U	21 U
Benzo(a)pyrene	18 U	17 U

NOTE:

ug/kg- micrograms per kilogram

U - Analyte not detected at method detection level

B - Analyte detected in associated method blank

J - analyte detected below quantitation limits

**Summary of SVOCs in Soil
Caemmerer Yard East Investigation**

Table O.2-53

Sample ID	SB-EE-03 2-4'	SB-EE-52 2-4' (dup)
Lab ID	N79935-3	N79935-1
Matrix	SOIL	SOIL
Sample Depth	2'-4'	2'-4'
Unit	ug/kg	ug/kg
Benzo(b)fluoranthene	18 U	18 U
Benzo(g,h,i)perylene	30 U	29 U
Benzo(k)fluoranthene	30 U	29 U
bis(2-Chloroethoxy)methane	20 U	19 U
bis(2-Chloroethyl)ether	24 U	24 U
bis(2-Chloroisopropyl)ether	25 U	24 U
bis(2-Ethylhexyl)phthalate	45 U	44 U
Butyl benzyl phthalate	28 U	27 U
Carbazole	21 U	21 U
Chrysene	21 U	20 U
Dibenzo(a,h)anthracene	28 U	27 U
Dibenzofuran	19 U	18 U
Diethyl phthalate	24 U	23 U
Dimethyl phthalate	18 U	18 U
Di-n-butyl phthalate	19 U	18 U
Di-n-octyl phthalate	24 U	23 U
Fluoranthene	18 U	17 U
Fluorene	19 U	19 U
Hexachlorobenzene	20 U	19 U
Hexachlorobutadiene	25 U	24 U
Hexachlorocyclopentadiene	20 U	19 U
Hexachloroethane	21 U	20 U
Indeno(1,2,3-cd)pyrene	43 U	42 U
Isophorone	21 U	21 U
Naphthalene	19 U	18 U
Nitrobenzene	20 U	19 U
N-Nitroso-di-n-propylamine	22 U	22 U
N-Nitrosodiphenylamine	19 U	19 U
Pentachlorophenol	22 U	22 U
Phenanthrene	20 U	20 U
Phenol	29 U	28 U
Pyrene	40 U	39 U

NOTE:

ug/kg- micrograms per kilogram

U - Analyte not detected at method detection level

B - Analyte detected in associated method blank

J - analyte detected below quantitation limits

**Summary of SVOCs in Soil
Caemmerer Yard East Investigation**

Table O.2-53

Sample ID	SB-HE-03 5.5-7.5'
Lab ID	N80036-2
Matrix	SOIL
Sample Depth	5.5'-7.5'
Unit	ug/kg
1,2,4-Trichlorobenzene	19 U
1,2-Dichlorobenzene	21 U
1,3-Dichlorobenzene	20 U
1,4-Dichlorobenzene	19 U
2,4,5-Trichlorophenol	22 U
2,4,6-Trichlorophenol	21 U
2,4-Dichlorophenol	23 U
2,4-Dimethylphenol	28 U
2,4-Dinitrophenol	40 U
2,4-Dinitrotoluene	21 U
2,6-Dinitrotoluene	18 U
2-Chloronaphthalene	20 U
2-Chlorophenol	21 U
2-Methylnaphthalene	20 U
2-Methylphenol	29 U
2-Nitroaniline	25 U
2-Nitrophenol	27 U
3&4-Methylphenol	39 U
3,3'-Dichlorobenzidine	26 U
3-Nitroaniline	25 U
4,6-Dinitro-o-cresol	22 U
4-Bromophenyl phenyl ether	20 U
4-Chloro-3-methyl phenol	29 U
4-Chloroaniline	24 U
4-Chlorophenyl phenyl ether	19 U
4-Nitroaniline	22 U
4-Nitrophenol	77 U
Acenaphthene	22 U
Acenaphthylene	16 U
Anthracene	20 U
Benzo(a)anthracene	30.1 J
Benzo(a)pyrene	18 U

NOTE:

ug/kg- micrograms per kilogram

U - Analyte not detected at method detection level

B - Analyte detected in associated method blank

J - analyte detected below quantitation limits

**Summary of SVOCs in Soil
Caemmerer Yard East Investigation**

Table O.2-53

Sample ID	SB-HE-03 5.5-7.5'
Lab ID	N80036-2
Matrix	SOIL
Sample Depth	5.5'-7.5'
Unit	ug/kg
Benzo(b)fluoranthene	18 U
Benzo(g,h,i)perylene	30 U
Benzo(k)fluoranthene	30 U
bis(2-Chloroethoxy)methane	20 U
bis(2-Chloroethyl)ether	24 U
bis(2-Chloroisopropyl)ether	25 U
bis(2-Ethylhexyl)phthalate	1170
Butyl benzyl phthalate	105
Carbazole	22 U
Chrysene	35.3 J
Dibenzo(a,h)anthracene	28 U
Dibenzofuran	19 U
Diethyl phthalate	24 U
Dimethyl phthalate	18 U
Di-n-butyl phthalate	45.6 J
Di-n-octyl phthalate	170
Fluoranthene	51.5 J
Fluorene	20 U
Hexachlorobenzene	20 U
Hexachlorobutadiene	25 U
Hexachlorocyclopentadiene	20 U
Hexachloroethane	21 U
Indeno(1,2,3-cd)pyrene	43 U
Isophorone	22 U
Naphthalene	19 U
Nitrobenzene	20 U
N-Nitroso-di-n-propylamine	22 U
N-Nitrosodiphenylamine	20 U
Pentachlorophenol	22 U
Phenanthrene	30.5 J
Phenol	29 U
Pyrene	48.3 J

NOTE:

ug/kg- micrograms per kilogram

U - Analyte not detected at method detection level

B - Analyte detected in associated method blank

J - analyte detected below quantitation limits

**Summary of SVOCs in Soil
Caemmerer Yard East Investigation**

Table O.2-53

Sample ID	SB-HE-03 11.5-12.5'	SB-HE-15 0-2'	SB-HE-25 2-4'
Lab ID	N80036-3	N80037-3	N80037-4
Matrix	SOIL	SOIL	SOIL
Sample Depth	11.5'-12.5'	0'-2'	2'-4'
Unit	ug/kg	ug/kg	ug/kg
1,2,4-Trichlorobenzene	19 U	19 U	18 U
1,2-Dichlorobenzene	21 U	21 U	20 U
1,3-Dichlorobenzene	20 U	20 U	19 U
1,4-Dichlorobenzene	18 U	19 U	18 U
2,4,5-Trichlorophenol	21 U	21 U	21 U
2,4,6-Trichlorophenol	20 U	20 U	20 U
2,4-Dichlorophenol	23 U	23 U	22 U
2,4-Dimethylphenol	27 U	28 U	27 U
2,4-Dinitrophenol	39 U	39 U	38 U
2,4-Dinitrotoluene	20 U	20 U	20 U
2,6-Dinitrotoluene	17 U	17 U	17 U
2-Chloronaphthalene	19 U	19 U	19 U
2-Chlorophenol	20 U	21 U	20 U
2-Methylnaphthalene	20 U	20 U	19 U
2-Methylphenol	28 U	28 U	27 U
2-Nitroaniline	24 U	24 U	23 U
2-Nitrophenol	26 U	26 U	25 U
3&4-Methylphenol	38 U	38 U	37 U
3,3'-Dichlorobenzidine	25 U	25 U	25 U
3-Nitroaniline	24 U	24 U	23 U
4,6-Dinitro-o-cresol	21 U	21 U	20 U
4-Bromophenyl phenyl ether	20 U	20 U	19 U
4-Chloro-3-methyl phenol	28 U	28 U	27 U
4-Chloroaniline	23 U	24 U	23 U
4-Chlorophenyl phenyl ether	18 U	18 U	18 U
4-Nitroaniline	21 U	22 U	21 U
4-Nitrophenol	75 U	75 U	73 U
Acenaphthene	21 U	21 U	21 U
Acenaphthylene	16 U	26 J	15 U
Anthracene	20 U	53.5 J	19 U
Benzo(a)anthracene	21 U	243	21.4 J
Benzo(a)pyrene	18 U	241	17 U

NOTE:

ug/kg- micrograms per kilogram

U - Analyte not detected at method detection level

B - Analyte detected in associated method blank

J - analyte detected below quantitation limits

**Summary of SVOCs in Soil
Caemmerer Yard East Investigation**

Table O.2-53

Sample ID	SB-HE-03 11.5-12.5'	SB-HE-15 0-2'	SB-HE-25 2-4'
Lab ID	N80036-3	N80037-3	N80037-4
Matrix	SOIL	SOIL	SOIL
Sample Depth	11.5'-12.5'	0'-2'	2'-4'
Unit	ug/kg	ug/kg	ug/kg
Benzo(b)fluoranthene	18 U	292	18 U
Benzo(g,h,i)perylene	30 U	106	29 U
Benzo(k)fluoranthene	29 U	248	29 U
bis(2-Chloroethoxy)methane	20 U	20 U	19 U
bis(2-Chloroethyl)ether	24 U	24 U	23 U
bis(2-Chloroisopropyl)ether	25 U	25 U	24 U
bis(2-Ethylhexyl)phthalate	65.5 J	107	397
Butyl benzyl phthalate	27 U	27 U	27 U
Carbazole	21 U	21 U	21 U
Chrysene	21 U	259	23.6 J
Dibenzo(a,h)anthracene	27 U	90.3	27 U
Dibenzofuran	19 U	19 U	18 U
Diethyl phthalate	23 U	23 U	23 U
Dimethyl phthalate	18 U	18 U	18 U
Di-n-butyl phthalate	18 U	18 U	18 U
Di-n-octyl phthalate	23 U	23 U	23 U
Fluoranthene	18 U	467	50.8 J
Fluorene	19 U	19 U	19 U
Hexachlorobenzene	19 U	19 U	19 U
Hexachlorobutadiene	24 U	24 U	24 U
Hexachlorocyclopentadiene	19 U	19 U	19 U
Hexachloroethane	20 U	20 U	20 U
Indeno(1,2,3-cd)pyrene	42 U	148	41 U
Isophorone	21 U	21 U	21 U
Naphthalene	19 U	19 U	18 U
Nitrobenzene	20 U	20 U	19 U
N-Nitroso-di-n-propylamine	22 U	22 U	21 U
N-Nitrosodiphenylamine	19 U	19 U	19 U
Pentachlorophenol	22 U	22 U	21 U
Phenanthrene	20 U	195	41 J
Phenol	29 U	29 U	28 U
Pyrene	40 U	459	44.3 J

NOTE:

ug/kg- micrograms per kilogram

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J - analyte detected below quantitation limits

**Summary of SVOCs in Soil
Caemmerer Yard East Investigation**

Table O.2-53

Sample ID	SB-HE-25 4-6'	SB-HE-25 16-18'	SB-HE-25 28-30'
Lab ID	N80037-5	N80037-6	N80037-7
Matrix	SOIL	SOIL	SOIL
Sample Depth	4'-6'	16'-18'	28'-30'
Unit	ug/kg	ug/kg	ug/kg
1,2,4-Trichlorobenzene	20 U	19 U	19 U
1,2-Dichlorobenzene	23 U	21 U	22 U
1,3-Dichlorobenzene	21 U	20 U	20 U
1,4-Dichlorobenzene	20 U	19 U	19 U
2,4,5-Trichlorophenol	23 U	21 U	22 U
2,4,6-Trichlorophenol	22 U	20 U	21 U
2,4-Dichlorophenol	25 U	23 U	23 U
2,4-Dimethylphenol	30 U	28 U	28 U
2,4-Dinitrophenol	42 U	39 U	40 U
2,4-Dinitrotoluene	22 U	20 U	21 U
2,6-Dinitrotoluene	19 U	17 U	18 U
2-Chloronaphthalene	21 U	19 U	20 U
2-Chlorophenol	22 U	21 U	21 U
2-Methylnaphthalene	178	20 U	20 U
2-Methylphenol	30 U	28 U	29 U
2-Nitroaniline	26 U	24 U	25 U
2-Nitrophenol	28 U	26 U	27 U
3&4-Methylphenol	41 U	38 U	39 U
3,3'-Dichlorobenzidine	27 U	26 U	26 U
3-Nitroaniline	26 U	24 U	25 U
4,6-Dinitro-o-cresol	23 U	21 U	22 U
4-Bromophenyl phenyl ether	21 U	20 U	20 U
4-Chloro-3-methyl phenol	30 U	28 U	29 U
4-Chloroaniline	25 U	24 U	24 U
4-Chlorophenyl phenyl ether	20 U	19 U	19 U
4-Nitroaniline	23 U	22 U	22 U
4-Nitrophenol	81 U	75 U	77 U
Acenaphthene	359	21 U	22 U
Acenaphthylene	161	16 U	16 U
Anthracene	1350	20 U	20 U
Benzo(a)anthracene	1810	21 U	22 U
Benzo(a)pyrene	1490	18 U	18 U

NOTE:

ug/kg- micrograms per kilogram

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B - Analyte detected in associated method blank

J - analyte detected below quantitation limits

**Summary of SVOCs in Soil
Caemmerer Yard East Investigation**

Table O.2-53

Sample ID	SB-HE-25 4-6'	SB-HE-25 16-18'	SB-HE-25 28-30'
Lab ID	N80037-5	N80037-6	N80037-7
Matrix	SOIL	SOIL	SOIL
Sample Depth	4'-6'	16'-18'	28'-30'
Unit	ug/kg	ug/kg	ug/kg
Benzo(b)fluoranthene	1490	18 U	18 U
Benzo(g,h,i)perylene	496	30 U	30 U
Benzo(k)fluoranthene	1120	30 U	30 U
bis(2-Chloroethoxy)methane	21 U	20 U	20 U
bis(2-Chloroethyl)ether	26 U	24 U	25 U
bis(2-Chloroisopropyl)ether	27 U	25 U	25 U
bis(2-Ethylhexyl)phthalate	459	352	82.1
Butyl benzyl phthalate	30 U	28 U	28 U
Carbazole	356	21 U	22 U
Chrysene	1910	21 U	21 U
Dibenzo(a,h)anthracene	198	28 U	28 U
Dibenzofuran	283	19 U	19 U
Diethyl phthalate	25 U	24 U	24 U
Dimethyl phthalate	19 U	18 U	18 U
Di-n-butyl phthalate	20 U	19 U	19 U
Di-n-octyl phthalate	25 U	23 U	24 U
Fluoranthene	3930	18 U	18 U
Fluorene	489	19 U	20 U
Hexachlorobenzene	21 U	19 U	20 U
Hexachlorobutadiene	26 U	25 U	25 U
Hexachlorocyclopentadiene	21 U	19 U	20 U
Hexachloroethane	22 U	21 U	21 U
Indeno(1,2,3-cd)pyrene	507	43 U	44 U
Isophorone	23 U	21 U	22 U
Naphthalene	252	19 U	19 U
Nitrobenzene	21 U	20 U	20 U
N-Nitroso-di-n-propylamine	24 U	22 U	22 U
N-Nitrosodiphenylamine	21 U	19 U	20 U
Pentachlorophenol	24 U	22 U	23 U
Phenanthrene	4530	20 U	21 U
Phenol	31 U	29 U	29 U
Pyrene	4380	40 U	41 U

NOTE:

ug/kg- micrograms per kilogram

U - Analyte not detected at method detection level

B - Analyte detected in associated method blank

J - analyte detected below quantitation limits

**Summary of SVOCs in Soil
Caemmerer Yard East Investigation**

Table O.2-53

Sample ID	SB-HE-25 39-41'	SB-HE-14 20-22'	SB-HE-17 4-6'
Lab ID	N80037-8	N80038-10	N80038-2
Matrix	SOIL	SOIL	SOIL
Sample Depth	39'-41'	20'-22'	4'-6'
Unit	ug/kg	ug/kg	ug/kg
1,2,4-Trichlorobenzene	19 U	20 U	56 U
1,2-Dichlorobenzene	22 U	23 U	63 U
1,3-Dichlorobenzene	20 U	21 U	60 U
1,4-Dichlorobenzene	19 U	20 U	56 U
2,4,5-Trichlorophenol	22 U	23 U	64 U
2,4,6-Trichlorophenol	21 U	22 U	61 U
2,4-Dichlorophenol	24 U	25 U	69 U
2,4-Dimethylphenol	28 U	30 U	83 U
2,4-Dinitrophenol	40 U	42 U	120 U
2,4-Dinitrotoluene	21 U	22 U	61 U
2,6-Dinitrotoluene	18 U	19 U	52 U
2-Chloronaphthalene	20 U	21 U	58 U
2-Chlorophenol	21 U	22 U	62 U
2-Methylnaphthalene	20 U	231	127 J
2-Methylphenol	29 U	30 U	85 U
2-Nitroaniline	25 U	26 U	72 U
2-Nitrophenol	27 U	28 U	79 U
3&4-Methylphenol	39 U	41 U	110 U
3,3'-Dichlorobenzidine	26 U	27 U	77 U
3-Nitroaniline	25 U	26 U	73 U
4,6-Dinitro-o-cresol	22 U	23 U	63 U
4-Bromophenyl phenyl ether	20 U	21 U	60 U
4-Chloro-3-methyl phenol	29 U	30 U	85 U
4-Chloroaniline	24 U	25 U	71 U
4-Chlorophenyl phenyl ether	19 U	20 U	55 U
4-Nitroaniline	22 U	23 U	65 U
4-Nitrophenol	77 U	81 U	230 U
Acenaphthene	22 U	306	64 U
Acenaphthylene	16 U	134	48 U
Anthracene	21 U	923	87.6 J
Benzo(a)anthracene	22 U	868	295
Benzo(a)pyrene	18 U	636	353

NOTE:

ug/kg- micrograms per kilogram

U - Analyte not detected at method detection level

B - Analyte detected in associated method blank

J - analyte detected below quantitation limits

**Summary of SVOCs in Soil
Caemmerer Yard East Investigation**

Table O.2-53

Sample ID	SB-HE-25 39-41'	SB-HE-14 20-22'	SB-HE-17 4-6'
Lab ID	N80037-8	N80038-10	N80038-2
Matrix	SOIL	SOIL	SOIL
Sample Depth	39'-41'	20'-22'	4'-6'
Unit	ug/kg	ug/kg	ug/kg
Benzo(b)fluoranthene	19 U	711	600
Benzo(g,h,i)perylene	30 U	218	190 J
Benzo(k)fluoranthene	30 U	552	267
bis(2-Chloroethoxy)methane	20 U	21 U	60 U
bis(2-Chloroethyl)ether	25 U	26 U	72 U
bis(2-Chloroisopropyl)ether	25 U	26 U	74 U
bis(2-Ethylhexyl)phthalate	698	984	352
Butyl benzyl phthalate	28 U	29 U	83 U
Carbazole	22 U	435	64 U
Chrysene	21 U	853	439
Dibenzo(a,h)anthracene	28 U	129	268
Dibenzofuran	19 U	470	56 U
Diethyl phthalate	24 U	25 U	71 U
Dimethyl phthalate	19 U	19 U	54 U
Di-n-butyl phthalate	19 U	20 U	56 U
Di-n-octyl phthalate	24 U	25 U	70 U
Fluoranthene	18 U	2490	606
Fluorene	20 U	536	58 U
Hexachlorobenzene	20 U	21 U	58 U
Hexachlorobutadiene	25 U	26 U	74 U
Hexachlorocyclopentadiene	20 U	21 U	58 U
Hexachloroethane	21 U	22 U	62 U
Indeno(1,2,3-cd)pyrene	44 U	251	326
Isophorone	22 U	23 U	64 U
Naphthalene	19 U	371	169 J
Nitrobenzene	20 U	21 U	59 U
N-Nitroso-di-n-propylamine	23 U	24 U	66 U
N-Nitrosodiphenylamine	20 U	21 U	58 U
Pentachlorophenol	23 U	24 U	66 U
Phenanthrene	21 U	3170	507
Phenol	29 U	31 U	86 U
Pyrene	41 U	2230	839

NOTE:

ug/kg- micrograms per kilogram

U - Analyte not detected at method detection level

B - Analyte detected in associated method blank

J - analyte detected below quantitation limits

**Summary of SVOCs in Soil
Caemmerer Yard East Investigation**

Table O.2-53

Sample ID	SB-HE-17 6-8'	SB-HE-17 10-12'	SB-HE-17 12-14'
Lab ID	N80038-3	N80038-4	N80038-5
Matrix	SOIL	SOIL	SOIL
Sample Depth	6'-8'	10'-12'	12'-14'
Unit	ug/kg	ug/kg	ug/kg
1,2,4-Trichlorobenzene	20 U	19 U	20 U
1,2-Dichlorobenzene	22 U	22 U	23 U
1,3-Dichlorobenzene	21 U	21 U	22 U
1,4-Dichlorobenzene	19 U	19 U	20 U
2,4,5-Trichlorophenol	22 U	22 U	23 U
2,4,6-Trichlorophenol	21 U	21 U	22 U
2,4-Dichlorophenol	24 U	24 U	25 U
2,4-Dimethylphenol	29 U	28 U	30 U
2,4-Dinitrophenol	41 U	41 U	43 U
2,4-Dinitrotoluene	21 U	21 U	22 U
2,6-Dinitrotoluene	18 U	18 U	19 U
2-Chloronaphthalene	20 U	20 U	21 U
2-Chlorophenol	22 U	21 U	22 U
2-Methylnaphthalene	21 U	20 U	21 U
2-Methylphenol	30 U	29 U	30 U
2-Nitroaniline	25 U	25 U	26 U
2-Nitrophenol	27 U	27 U	28 U
3&4-Methylphenol	40 U	39 U	41 U
3,3'-Dichlorobenzidine	27 U	26 U	28 U
3-Nitroaniline	25 U	25 U	26 U
4,6-Dinitro-o-cresol	22 U	22 U	23 U
4-Bromophenyl phenyl ether	21 U	21 U	22 U
4-Chloro-3-methyl phenol	30 U	29 U	31 U
4-Chloroaniline	25 U	24 U	26 U
4-Chlorophenyl phenyl ether	19 U	19 U	20 U
4-Nitroaniline	23 U	22 U	23 U
4-Nitrophenol	79 U	78 U	81 U
Acenaphthene	22 U	22 U	34.5 J
Acenaphthylene	17 U	16 U	17 U
Anthracene	21 U	21 U	80.8 J
Benzo(a)anthracene	22 U	22 U	167
Benzo(a)pyrene	18 U	18 U	176

NOTE:

ug/kg- micrograms per kilogram

U - Analyte not detected at method detection level

B - Analyte detected in associated method blank

J - analyte detected below quantitation limits

**Summary of SVOCs in Soil
Caemmerer Yard East Investigation**

Table O.2-53

Sample ID	SB-HE-17 6-8'	SB-HE-17 10-12'	SB-HE-17 12-14'
Lab ID	N80038-3	N80038-4	N80038-5
Matrix	SOIL	SOIL	SOIL
Sample Depth	6'-8'	10'-12'	12'-14'
Unit	ug/kg	ug/kg	ug/kg
Benzo(b)fluoranthene	19 U	19 U	230
Benzo(g,h,i)perylene	31 U	31 U	59.5 J
Benzo(k)fluoranthene	31 U	30 U	190
bis(2-Chloroethoxy)methane	21 U	21 U	22 U
bis(2-Chloroethyl)ether	25 U	25 U	26 U
bis(2-Chloroisopropyl)ether	26 U	25 U	27 U
bis(2-Ethylhexyl)phthalate	149	86.5	512
Butyl benzyl phthalate	29 U	28 U	30 U
Carbazole	22 U	22 U	48.9 J
Chrysene	22 U	21 U	170
Dibenzo(a,h)anthracene	29 U	28 U	85.2
Dibenzofuran	20 U	19 U	21.6 J
Diethyl phthalate	25 U	24 U	25 U
Dimethyl phthalate	19 U	19 U	20 U
Di-n-butyl phthalate	19 U	19 U	20 U
Di-n-octyl phthalate	25 U	24 U	25 U
Fluoranthene	22.9 J	22.6 J	325
Fluorene	20 U	20 U	35.8 J
Hexachlorobenzene	20 U	20 U	21 U
Hexachlorobutadiene	26 U	25 U	27 U
Hexachlorocyclopentadiene	20 U	20 U	21 U
Hexachloroethane	21 U	21 U	22 U
Indeno(1,2,3-cd)pyrene	45 U	44 U	119
Isophorone	22 U	22 U	23 U
Naphthalene	20 U	19 U	33.5 J
Nitrobenzene	21 U	20 U	21 U
N-Nitroso-di-n-propylamine	23 U	23 U	24 U
N-Nitrosodiphenylamine	20 U	20 U	21 U
Pentachlorophenol	23 U	23 U	24 U
Phenanthrene	21 U	21 U	278
Phenol	30 U	30 U	31 U
Pyrene	42 U	41 U	267

NOTE:

ug/kg- micrograms per kilogram

U - Analyte not detected at method detection level

B - Analyte detected in associated method blank

J - analyte detected below quantitation limits

**Summary of SVOCs in Soil
Caemmerer Yard East Investigation**

Table O.2-53

Sample ID	SB-HE-14 2-4'	SB-HE-14 4-6'	SB-HE-14 16-18'
Lab ID	N80038-7	N80038-8	N80038-9
Matrix	SOIL	SOIL	SOIL
Sample Depth	2'-4'	4'-6'	16'-18'
Unit	ug/kg	ug/kg	ug/kg
1,2,4-Trichlorobenzene	19 U	18 U	19 U
1,2-Dichlorobenzene	22 U	21 U	22 U
1,3-Dichlorobenzene	20 U	20 U	21 U
1,4-Dichlorobenzene	19 U	18 U	19 U
2,4,5-Trichlorophenol	22 U	21 U	22 U
2,4,6-Trichlorophenol	21 U	20 U	21 U
2,4-Dichlorophenol	24 U	23 U	24 U
2,4-Dimethylphenol	28 U	27 U	29 U
2,4-Dinitrophenol	40 U	39 U	41 U
2,4-Dinitrotoluene	21 U	20 U	21 U
2,6-Dinitrotoluene	18 U	17 U	18 U
2-Chloronaphthalene	20 U	19 U	20 U
2-Chlorophenol	21 U	20 U	21 U
2-Methylnaphthalene	20 U	595	20 U
2-Methylphenol	29 U	28 U	29 U
2-Nitroaniline	25 U	24 U	25 U
2-Nitrophenol	27 U	26 U	27 U
3&4-Methylphenol	39 U	37 U	39 U
3,3'-Dichlorobenzidine	26 U	25 U	26 U
3-Nitroaniline	25 U	24 U	25 U
4,6-Dinitro-o-cresol	22 U	21 U	22 U
4-Bromophenyl phenyl ether	20 U	20 U	21 U
4-Chloro-3-methyl phenol	29 U	28 U	29 U
4-Chloroaniline	24 U	23 U	24 U
4-Chlorophenyl phenyl ether	19 U	18 U	19 U
4-Nitroaniline	22 U	21 U	22 U
4-Nitrophenol	77 U	74 U	78 U
Acenaphthene	50 J	1150	22 U
Acenaphthylene	44.5 J	97.5	17 U
Anthracene	178	1990	21 U
Benzo(a)anthracene	400	2690	22 U
Benzo(a)pyrene	377	2260	18 U

NOTE:

ug/kg- micrograms per kilogram

U - Analyte not detected at method detection level

B - Analyte detected in associated method blank

J - analyte detected below quantitation limits

**Summary of SVOCs in Soil
Caemmerer Yard East Investigation**

Table O.2-53

Sample ID	SB-HE-14 2-4'	SB-HE-14 4-6'	SB-HE-14 16-18'
Lab ID	N80038-7	N80038-8	N80038-9
Matrix	SOIL	SOIL	SOIL
Sample Depth	2'-4'	4'-6'	16'-18'
Unit	ug/kg	ug/kg	ug/kg
Benzo(b)fluoranthene	351	2070	19 U
Benzo(g,h,i)perylene	163	1130	31 U
Benzo(k)fluoranthene	405	1800	30 U
bis(2-Chloroethoxy)methane	20 U	20 U	21 U
bis(2-Chloroethyl)ether	25 U	24 U	25 U
bis(2-Chloroisopropyl)ether	25 U	24 U	26 U
bis(2-Ethylhexyl)phthalate	170	44 U	63.6 J
Butyl benzyl phthalate	28 U	27 U	28 U
Carbazole	28 J	999	22 U
Chrysene	434	2620	21 U
Dibenzo(a,h)anthracene	107	459	28 U
Dibenzofuran	27.4 J	1010	19 U
Diethyl phthalate	24 U	23 U	24 U
Dimethyl phthalate	19 U	18 U	19 U
Di-n-butyl phthalate	19 U	18 U	19 U
Di-n-octyl phthalate	24 U	23 U	24 U
Fluoranthene	736	7110	36.2 J
Fluorene	82.4	1190	20 U
Hexachlorobenzene	20 U	19 U	20 U
Hexachlorobutadiene	25 U	24 U	25 U
Hexachlorocyclopentadiene	20 U	19 U	20 U
Hexachloroethane	21 U	20 U	21 U
Indeno(1,2,3-cd)pyrene	191	1160	44 U
Isophorone	22 U	21 U	22 U
Naphthalene	19 U	1350	19 U
Nitrobenzene	20 U	19 U	20 U
N-Nitroso-di-n-propylamine	22 U	22 U	23 U
N-Nitrosodiphenylamine	20 U	19 U	20 U
Pentachlorophenol	23 U	22 U	23 U
Phenanthrene	713	7630	44.9 J
Phenol	29 U	28 U	30 U
Pyrene	1300	4950	41 U

NOTE:

ug/kg- micrograms per kilogram

U - Analyte not detected at method detection level

B - Analyte detected in associated method blank

J - analyte detected below quantitation limits

**Summary of SVOCs in Soil
Caemmerer Yard East Investigation**

Table O.2-53

Sample ID Lab ID Matrix Sample Depth Unit	SB-HE-12 0-1 N80164-1 SOIL 0'-1' ug/kg	SB-HE-12 1-3 N80164-2 SOIL 1'-3' ug/kg	SB-HE-12 3-5 N80164-3 SOIL 3'-5' ug/kg
1,2,4-Trichlorobenzene	89 U	19 U	19 U
1,2-Dichlorobenzene	99 U	21 U	21 U
1,3-Dichlorobenzene	94 U	20 U	20 U
1,4-Dichlorobenzene	87 U	19 U	19 U
2,4,5-Trichlorophenol	100 U	22 U	21 U
2,4,6-Trichlorophenol	95 U	21 U	20 U
2,4-Dichlorophenol	110 U	23 U	23 U
2,4-Dimethylphenol	130 U	28 U	28 U
2,4-Dinitrophenol	190 U	40 U	40 U
2,4-Dinitrotoluene	96 U	21 U	21 U
2,6-Dinitrotoluene	82 U	18 U	18 U
2-Chloronaphthalene	92 U	20 U	20 U
2-Chlorophenol	97 U	21 U	21 U
2-Methylnaphthalene	307 J	239	211
2-Methylphenol	130 U	29 U	28 U
2-Nitroaniline	110 U	25 U	24 U
2-Nitrophenol	120 U	27 U	26 U
3&4-Methylphenol	180 U	39 U	39 U
3,3'-Dichlorobenzidine	120 U	26 U	26 U
3-Nitroaniline	110 U	25 U	24 U
4,6-Dinitro-o-cresol	100 U	22 U	21 U
4-Bromophenyl phenyl ether	94 U	20 U	20 U
4-Chloro-3-methyl phenol	130 U	29 U	29 U
4-Chloroaniline	110 U	24 U	24 U
4-Chlorophenyl phenyl ether	87 U	19 U	19 U
4-Nitroaniline	100 U	22 U	22 U
4-Nitrophenol	350 U	76 U	76 U
Acenaphthene	100 U	73.1 J	316
Acenaphthylene	75 U	38.4 J	54.4 J
Anthracene	94 U	186	741
Benzo(a)anthracene	125 J	583	1780
Benzo(a)pyrene	87.5 J	497	1640

NOTE:

ug/kg- micrograms per kilogram

U - Analyte not detected at method detection level

B - Analyte detected in associated method blank

J - analyte detected below quantitation limits

**Summary of SVOCs in Soil
Caemmerer Yard East Investigation**

Table O.2-53

Sample ID	SB-HE-12 0-1	SB-HE-12 1-3	SB-HE-12 3-5
Lab ID	N80164-1	N80164-2	N80164-3
Matrix	SOIL	SOIL	SOIL
Sample Depth	0'-1'	1'-3'	3'-5'
Unit	ug/kg	ug/kg	ug/kg
Benzo(b)fluoranthene	410	587	1480
Benzo(g,h,i)perylene	140 U	212	632
Benzo(k)fluoranthene	140 U	379	1220
bis(2-Chloroethoxy)methane	94 U	20 U	20 U
bis(2-Chloroethyl)ether	110 U	24 U	24 U
bis(2-Chloroisopropyl)ether	120 U	25 U	25 U
bis(2-Ethylhexyl)phthalate	210 U	497	699
Butyl benzyl phthalate	130 U	28 U	28 U
Carbazole	100 U	100	316
Chrysene	122 J	593	1770
Dibenzo(a,h)anthracene	130 U	123	226
Dibenzofuran	88 U	98.9	198
Diethyl phthalate	110 U	24 U	24 U
Dimethyl phthalate	85 U	18 U	18 U
Di-n-butyl phthalate	87 U	82.9	88.6
Di-n-octyl phthalate	110 U	24 U	24 U
Fluoranthene	180 J	1250	3700
Fluorene	91 U	66.9 J	316
Hexachlorobenzene	91 U	20 U	20 U
Hexachlorobutadiene	120 U	25 U	25 U
Hexachlorocyclopentadiene	91 U	20 U	20 U
Hexachloroethane	97 U	21 U	21 U
Indeno(1,2,3-cd)pyrene	200 U	245	570
Isophorone	100 U	22 U	22 U
Naphthalene	227 J	185	194
Nitrobenzene	93 U	20 U	20 U
N-Nitroso-di-n-propylamine	100 U	22 U	22 U
N-Nitrosodiphenylamine	91 U	20 U	20 U
Pentachlorophenol	100 U	22 U	22 U
Phenanthrene	240 J	992	3640
Phenol	140 U	29 U	29 U
Pyrene	216 J	1160	4010

NOTE:

ug/kg- micrograms per kilogram

U - Analyte not detected at method detection level

B - Analyte detected in associated method blank

J - analyte detected below quantitation limits

**Summary of SVOCs in Soil
Caemmerer Yard East Investigation**

Table O.2-53

Sample ID Lab ID Matrix Sample Depth Unit	SB-HE-12 5-7 N80164-4 SOIL 5'-7' ug/kg	SB-HE-59 5-7' (dup) N80164-5 SOIL 5-7' ug/kg	SB-HE-12 9-11 N80164-8 SOIL 9'-11' ug/kg
1,2,4-Trichlorobenzene	19 U	19 U	21 U
1,2-Dichlorobenzene	21 U	21 U	24 U
1,3-Dichlorobenzene	20 U	20 U	23 U
1,4-Dichlorobenzene	19 U	19 U	21 U
2,4,5-Trichlorophenol	21 U	21 U	24 U
2,4,6-Trichlorophenol	20 U	20 U	23 U
2,4-Dichlorophenol	23 U	23 U	26 U
2,4-Dimethylphenol	28 U	28 U	31 U
2,4-Dinitrophenol	40 U	39 U	45 U
2,4-Dinitrotoluene	20 U	20 U	23 U
2,6-Dinitrotoluene	18 U	18 U	20 U
2-Chloronaphthalene	20 U	20 U	22 U
2-Chlorophenol	21 U	21 U	23 U
2-Methylnaphthalene	275	230	494
2-Methylphenol	28 U	28 U	32 U
2-Nitroaniline	24 U	24 U	27 U
2-Nitrophenol	26 U	26 U	30 U
3&4-Methylphenol	38 U	38 U	43 U
3,3'-Dichlorobenzidine	26 U	26 U	29 U
3-Nitroaniline	24 U	24 U	28 U
4,6-Dinitro-o-cresol	21 U	21 U	24 U
4-Bromophenyl phenyl ether	20 U	20 U	23 U
4-Chloro-3-methyl phenol	28 U	28 U	32 U
4-Chloroaniline	24 U	24 U	27 U
4-Chlorophenyl phenyl ether	19 U	19 U	21 U
4-Nitroaniline	22 U	22 U	25 U
4-Nitrophenol	76 U	76 U	86 U
Acenaphthene	108	48.3 J	102
Acenaphthylene	28.9 J	46.6 J	18 U
Anthracene	231	170	275
Benzo(a)anthracene	427	606	473
Benzo(a)pyrene	326	498	357

NOTE:

ug/kg- micrograms per kilogram

U - Analyte not detected at method detection level

B - Analyte detected in associated method blank

J - analyte detected below quantitation limits

**Summary of SVOCs in Soil
Caemmerer Yard East Investigation**

Table O.2-53

Sample ID	SB-HE-12 5-7	SB-HE-59 5-7' (dup)	SB-HE-12 9-11
Lab ID	N80164-4	N80164-5	N80164-8
Matrix	SOIL	SOIL	SOIL
Sample Depth	5'-7'	5-7'	9'-11'
Unit	ug/kg	ug/kg	ug/kg
Benzo(b)fluoranthene	320	535	446
Benzo(g,h,i)perylene	124	159	130
Benzo(k)fluoranthene	296	372	239
bis(2-Chloroethoxy)methane	20 U	20 U	23 U
bis(2-Chloroethyl)ether	24 U	24 U	27 U
bis(2-Chloroisopropyl)ether	25 U	25 U	28 U
bis(2-Ethylhexyl)phthalate	480	411	1430
Butyl benzyl phthalate	28 U	28 U	31 U
Carbazole	113	46.8 J	84.1 J
Chrysene	426	578	450
Dibenzo(a,h)anthracene	99	113	124
Dibenzofuran	139	85.2	190
Diethyl phthalate	24 U	24 U	27 U
Dimethyl phthalate	18 U	18 U	21 U
Di-n-butyl phthalate	19 U	56.2 J	21 U
Di-n-octyl phthalate	24 U	24 U	27 U
Fluoranthene	1070	1340	1070
Fluorene	108	58.4 J	130
Hexachlorobenzene	20 U	20 U	22 U
Hexachlorobutadiene	25 U	25 U	28 U
Hexachlorocyclopentadiene	20 U	20 U	22 U
Hexachloroethane	21 U	21 U	23 U
Indeno(1,2,3-cd)pyrene	164	204	172
Isophorone	21 U	21 U	24 U
Naphthalene	229	178	349
Nitrobenzene	20 U	20 U	22 U
N-Nitroso-di-n-propylamine	22 U	22 U	25 U
N-Nitrosodiphenylamine	20 U	19 U	22 U
Pentachlorophenol	22 U	22 U	25 U
Phenanthrene	1160	825	1360
Phenol	29 U	29 U	33 U
Pyrene	898	1290	1170

NOTE:

ug/kg- micrograms per kilogram

U - Analyte not detected at method detection level

B - Analyte detected in associated method blank

J - analyte detected below quantitation limits

Summary of Total VOCs in Groundwater
Caemmerer Yard East Investigation

Table O.2-60

Sample ID Lab ID Date Collected Matrix Unit	SB-V-01 N80883-5 10/15/04 Groundwater ug/L	SB-HE-14 N80883-1 10/15/04 Groundwater ug/L	SB-HE-25 N80883-6 10/15/04 Groundwater ug/L	SB-HE-60 (dup) N80883-2 10/15/04 Groundwater ug/L
1,1,1-Trichloroethane	0.25U	0.25U	0.25U	0.25U
1,1,2,2-Tetrachloroethane	0.14U	0.14U	0.14U	0.14U
1,1,2-Trichloroethane	0.17U	0.17U	0.17U	0.17U
1,1-Dichloroethane	0.13U	0.13U	0.13U	0.13U
1,1-Dichloroethene	0.81U	0.81U	0.81U	0.81U
1,2-Dichloroethane	0.35U	0.35U	0.35U	0.35U
1,2-Dichloropropane	0.11U	0.11U	0.11U	0.11U
2-Butanone (MEK)	2.5U	2.5U	2.5U	2.5U
2-Hexanone	0.73U	0.73U	0.73U	0.73U
4-Methyl-2-pentanone(MIBK)	0.59U	0.59U	0.59U	0.59U
Acetone	2.3U	2.3U	2.3U	2.3U
Benzene	0.31U	0.31U	0.31U	0.31U
Bromodichloromethane	0.11U	0.11U	0.11U	0.11U
Bromoform	0.17U	0.17U	0.17U	0.17U
Bromomethane	0.15U	0.15U	0.15U	0.15U
Carbon disulfide	0.23U	0.23U	0.23U	0.23U
Carbon tetrachloride	0.15U	0.15U	0.15U	0.15U
Chlorobenzene	0.23U	0.23U	0.23U	0.23U
Chloroethane	0.73U	0.73U	0.73U	0.73U
Chloroform	0.081U	0.081U	0.081U	0.081U
Chloromethane	0.13U	0.13U	0.13U	0.13U
cis-1,2-Dichloroethene	0.24U	0.24U	0.24U	0.24U
cis-1,3-Dichloropropene	0.071U	0.071U	0.071U	0.071U
Dibromochloromethane	0.18U	0.18U	0.18U	0.18U
Ethylbenzene	0.27U	0.27U	0.27U	0.27U
Methyl Tert Butyl Ether	0.28U	0.28U	0.30J	0.30J
Methylene chloride	0.2U	0.2U	0.2U	0.2U
Styrene	0.12U	0.12U	0.12U	0.12U
Tetrachloroethene	0.37U	0.37U	0.37U	0.37U
Toluene	0.14U	0.14U	0.14U	0.14U
trans-1,2-Dichloroethene	0.17U	0.17U	0.17U	0.17U
trans-1,3-Dichloropropene	0.08U	0.08U	0.08U	0.08U
Trichloroethene	0.13U	0.13U	0.13U	0.13U
Vinyl chloride	0.66U	0.66U	0.66U	0.66U
Xylene (total)	0.17U	0.17U	0.17U	0.17U

NOTE:

ug/l - micrograms per liter

U - Analyte not detected at method detection level

J - Values detected below quantitation limit

dup - denotes field duplicate of preceeding sample (QA/QC)

Summary of Total SVOCs in Groundwater
Caemmerer Yard East Investigation

Table O.2-61

Sample ID Lab ID Date Collected Matrix Unit	SB-V-01 N80883-5 10/15/04 Groundwater ug/L	SB-HE-14 N80883-1 10/15/04 Groundwater ug/L	SB-HE-25 N80883-6 10/15/04 Groundwater ug/L	SB-HE-60 (dup) N80883-2 10/15/04 Groundwater ug/L
1,2,4-Trichlorobenzene	0.33 U	0.37 U	0.33 U	0.32 U
1,2-Dichlorobenzene	0.24 U	0.27 U	0.25 U	0.24 U
1,3-Dichlorobenzene	0.32 U	0.36 U	0.33 U	0.32 U
1,4-Dichlorobenzene	0.25 U	0.28 U	0.26 U	0.25 U
2,4,5-Trichlorophenol	0.75 U	0.85 U	0.77 U	0.74 U
2,4,6-Trichlorophenol	0.81 U	0.91 U	0.82 U	0.8 U
2,4-Dichlorophenol	0.74 U	0.83 U	0.75 U	0.73 U
2,4-Dimethylphenol	1 U	1.2 U	1.1 U	1 U
2,4-Dinitrophenol	1.1 U	1.2 U	1.1 U	1.1 U
2,4-Dinitrotoluene	0.78 U	0.88 U	0.8 U	0.78 U
2,6-Dinitrotoluene	0.63 U	0.71 U	0.64 U	0.62 U
2-Chloronaphthalene	0.38 U	0.43 U	0.39 U	0.38 U
2-Chlorophenol	4.3 U	4.8 U	4.4 U	4.3 U
2-Methylnaphthalene	0.73 U	0.82 U	0.74 U	0.72 U
2-Methylphenol	0.73 U	0.82 U	0.75 U	0.72 U
2-Nitroaniline	1.4 U	1.6 U	1.4 U	1.4 U
2-Nitrophenol	0.74 U	0.83 U	0.75 U	0.73 U
3&4-Methylphenol	0.71 U	0.8 U	0.72 U	0.7 U
3,3'-Dichlorobenzidine	0.39 U	0.44 U	0.4 U	0.39 U
3-Nitroaniline	1.2 U	1.4 U	1.3 U	1.2 U
4,6-Dinitro-o-cresol	0.66 U	0.74 U	0.67 U	0.65 U
4-Bromophenyl phenyl ether	0.54 U	0.61 U	0.55 U	0.54 U
4-Chloro-3-methyl phenol	4.8 U	5.4 U	4.9 U	4.7 U
4-Chloroaniline	0.43 U	0.49 U	0.44 U	0.43 U
4-Chlorophenyl phenyl ether	1 U	1.1 U	1 U	1 U
4-Nitroaniline	1.1 U	1.2 U	1.1 U	1.1 U
4-Nitrophenol	2.3 U	2.6 U	2.3 U	2.3 U
Acenaphthene	0.3 U	0.77 J	0.3 U	0.3 U
Acenaphthylene	0.35 U	0.39 U	0.36 U	0.35 U
Anthracene	0.22 U	0.55 J	0.22 U	0.22 U

NOTE:

ug/L- micrograms per liter

J- Analyte detected below the quantitation limits

U- Parameter not detected at method detection level

dup - denotes field duplicate of preceeding sample (QA/QC)

Summary of Total SVOCs in Groundwater
Caemmerer Yard East Investigation

Table O.2-61

Sample ID Lab ID Date Collected Matrix Unit	SB-V-01 N80883-5 10/15/04 Groundwater ug/L	SB-HE-14 N80883-1 10/15/04 Groundwater ug/L	SB-HE-25 N80883-6 10/15/04 Groundwater ug/L	SB-HE-60 (dup) N80883-2 10/15/04 Groundwater ug/L
Benzo(a)anthracene	0.28 U	0.31 U	0.28 U	0.27 U
Benzo(a)pyrene	0.39 U	0.44 U	0.4 U	0.38 U
Benzo(b)fluoranthene	0.37 U	0.42 U	0.38 U	0.37 U
Benzo(g,h,i)perylene	0.5 U	0.56 U	0.51 U	0.5 U
Benzo(k)fluoranthene	0.38 U	0.42 U	0.39 U	0.37 U
bis(2-Chloroethoxy)methane	0.34 U	0.38 U	0.35 U	0.34 U
bis(2-Chloroethyl)ether	0.49 U	0.55 U	0.5 U	0.49 U
bis(2-Chloroisopropyl)ether	0.45 U	0.5 U	0.45 U	0.44 U
bis(2-Ethylhexyl)phthalate	4.2	1.7 J	1.7 J	2.2
Butyl benzyl phthalate	0.54 U	0.61 U	0.55 U	0.54 U
Carbazole	0.34 U	0.78 J	0.35 U	0.34 U
Chrysene	0.27 U	0.3 U	0.27 U	0.26 U
Dibenzo(a,h)anthracene	0.58 U	0.66 U	0.6 U	0.58 U
Dibenzofuran	0.49 U	0.72 J	0.51 U	0.49 U
Diethyl phthalate	99.6	1.6 U	1.5 U	1.4 U
Dimethyl phthalate	0.58 U	0.65 U	0.59 U	0.58 U
Di-n-butyl phthalate	0.79 U	0.89 U	0.81 U	0.79 U
Di-n-octyl phthalate	0.64 U	0.72 U	0.65 U	0.63 U
Fluoranthene	0.64 U	1.2 J	0.65 U	0.63 U
Fluorene	0.9 U	1 U	0.92 U	0.89 U
Hexachlorobenzene	1.2 U	1.3 U	1.2 U	1.2 U
Hexachlorobutadiene	0.42 U	0.47 U	0.43 U	0.41 U
Hexachlorocyclopentadiene	0.45 U	0.51 U	0.46 U	0.45 U
Hexachloroethane	0.67 U	0.76 U	0.69 U	0.67 U
Indeno(1,2,3-cd)pyrene	1.5 U	1.7 U	1.6 U	1.5 U
Isophorone	0.54 U	0.61 U	0.56 U	0.54 U
Naphthalene	1 U	2.2 J	1 U	1 U
Nitrobenzene	0.62 U	0.69 U	0.63 U	0.61 U
N-Nitroso-di-n-propylamine	0.51 U	0.57 U	0.52 U	0.5 U
N-Nitrosodiphenylamine	0.8 U	0.9 U	0.82 U	0.8 U
Pentachlorophenol	0.76 U	0.85 U	0.78 U	0.75 U
Phenanthrene	0.24 U	3.6	0.24 U	0.23 U
Phenol	1.8 U	2 U	1.8 U	1.8 U
Pyrene	0.59 U	0.91 J	0.6 U	0.58 U

NOTE:

ug/L- micrograms per liter

J- Analyte detected below the quantitation limits

U- Parameter not detected at method detection level

dup - denotes field duplicate of preceeding sample (QA/QC)

**Summary of Total Metals in Groundwater
Caemmerer Yard East Investigation**

Table O.2-62

Sample ID	SB-V-01	SB-HE-14	SB-HE-25	SB-HE-60 (dup)
Lab ID	N80883-5	N80883-1	N80883-6	N80883-2
Date Collected	10/15/04	10/15/04	10/15/04	10/15/04
Matrix	Groundwater	Groundwater	Groundwater	Groundwater
Unit	ug/L	ug/L	ug/L	ug/L
Aluminum	407,000	3,460	12,600	28,100
Antimony	10 U	5 U	5 U	5 U
Arsenic	43.7	4.1 U	4.1 U	4.1 U
Barium	4,280	4.7 U	216	373
Beryllium	22.3	0.2 U	0.2 U	0.2 U
Cadmium	1 U	0.5 U	0.5 U	0.5 U
Calcium	137,000	201,000	206,000	213,000
Chromium	1,300	0.9 U	24	53.1
Chromium, Hexavalent	2 U	2 U	2 U	2 U
Cobalt	389	1.7 U	1.7 U	1.7 U
Copper	803	2.6 U	26	55.1
Iron	633,000	12,200	21,700	46,200
Lead	428	11.1	12	24.3
Magnesium	178,000	21,800	59,700	65,600
Manganese	15,600	1,290	15,700	16,900
Mercury	0.09 U	0.09 U	0.09 U	0.09 U
Nickel	3,110	2.1 U	42.8	75.3
Potassium	149,000	14,200	17,500	21,000
Selenium	26.2	4.6 U	5.6	9.0
Silver	1.8 U	0.9 U	0.9 U	0.9 U
Sodium	42,100	72,500	87,800	90,800
Thallium	14 U	6.9 U	6.9 U	6.9 U
Vanadium	843	1.8 U	1.8 U	54.6
Zinc	1,530	31.3	62.3	120

NOTE:

ug/L - micrograms per liter

NS - No Standard

dup - denotes field duplicate of preceeding sample

**Summary of PCBs in Groundwater
Caemmerer Yard East Investigation**

Table O.2-63

Sample ID	SB-V-01	SB-HE-14	SB-HE-25	SB-HE-60 (dup)
Lab ID	N80883-5	N80883-1	N80883-6	N80883-2
Date Collected	10/15/04	10/15/04	10/15/04	10/15/04
Matrix	Groundwater	Groundwater	Groundwater	Groundwater
Unit	ug/L	ug/L	ug/L	ug/L
Aroclor-1016	0.0076U	0.0084U	0.0078U	0.0085U
Aroclor-1221	0.0086U	0.0094U	0.0087U	0.0095U
Aroclor-1232	0.013U	0.014U	0.013U	0.014U
Aroclor-1242	0.013U	0.015U	0.014U	0.015U
Aroclor-1248	0.0073U	0.008U	0.0074U	0.0081U
Aroclor-1254	0.0073U	0.008U	0.0074U	0.0081U
Aroclor-1260	0.01U	0.011U	0.011U	0.012U

NOTE:

ug/kg - micrograms per kilogram

U - Analyte not detected at method detection level

dup - denotes field duplicate of preceeding sample (QA/QC)

Summary of Total Herbicides and Pesticides in Groundwater
Caemmerer Yard East Investigation

Table O.2-64

Sample ID	SB-V-01	SB-HE-14	SB-HE-25	SB-HE-60 (dup)
Lab ID	N80883-5	N80883-1	N80883-6	N80883-2
Date Collected	10/15/04	10/15/04	10/15/04	10/15/04
Matrix	Groundwater	Groundwater	Groundwater	Groundwater
Unit	ug/L	ug/L	ug/L	ug/L
Herbicides - Compound Name				
2,4,5-T	0.2 U	0.21 U	0.22 U	0.2 U
2,4,5-TP (Silvex)	0.13 U	0.13 U	0.14 U	0.13 U
2,4-D	0.28 U	0.29 U	0.32 U	0.28 U
Pesticides - Compound Name				
4,4'-DDD	0.017 U	0.018 U	0.017 U	0.019 U
4,4'-DDE	0.0041 U	0.0045 U	0.0042 U	0.0046 U
4,4'-DDT	0.018 U	0.02 U	0.018 U	0.02 U
Aldrin	0.008 U	0.0088 U	0.0082 U	0.0089 U
alpha-BHC	0.013 U	0.014 U	0.013 U	0.014 U
alpha-Chlordane	0.018 U	0.02 U	0.018 U	0.02 U
beta-BHC	0.0086 U	0.0095 U	0.0088 U	0.0096 U
delta-BHC	0.0098 U	0.011 U	0.01 U	0.011 U
Dieldrin	0.013 U	0.014 U	0.013 U	0.014 U
Endosulfan sulfate	0.013 U	0.015 U	0.014 U	0.015 U
Endosulfan-I	0.003 U	0.0033 U	0.003 U	0.0033 U
Endosulfan-II	0.0028 U	0.0031 U	0.0029 U	0.0032 U
Endrin	0.012 U	0.013 U	0.012 U	0.013 U
Endrin aldehyde	0.02 U	0.022 U	0.02 U	0.022 U
Endrin ketone	0.0054 U	0.0059 U	0.0055 U	0.006 U
gamma-BHC (Lindane)	0.0026 U	0.0029 U	0.0027 U	0.0029 U
gamma-Chlordane	0.013 U	0.014 U	0.013 U	0.014 U
Heptachlor	0.0059 U	0.0065 U	0.0061 U	0.0066 U
Heptachlor epoxide	0.011 U	0.012 U	0.011 U	0.012 U
Methoxychlor	0.012 U	0.013 U	0.012 U	0.013 U
Toxaphene	0.25 U	0.27 U	0.25 U	0.28 U

NOTE:

ug/L- micrograms per liter

dup - denotes field duplicate of preceeding sample (QA/QC)

**Summary of NYCDEP Limitations for Effluent
to Sanitary or Combined Sewers
Caemmerer Yard East Investigation**

Table O.2-65

Sample ID	SB-V-01	SB-HE-14	SB-HE-25	SB-HE-60 (dup)
Lab ID	N80883-5	N80883-1	N80883-6	N80883-2
Date Collected	10/15/04	10/15/04	10/15/04	10/15/04
Matrix	Groundwater	Groundwater	Groundwater	Groundwater
Groundwater Characteristics				
pH	8.46	7.30	8.26	7.93
Flash Point (F)	>200	>200	>200	>200
Compounds (ug/L)				
Benzene	0.31U	0.31U	0.31U	0.31U
Ethylbenzene	0.27U	0.27U	0.27U	0.27U
Toluene	0.14U	0.14U	0.14U	0.14U
Xylenes (Total)	0.17U	0.17U	0.17U	0.17U
Cadmium	0.5U	0.5U	0.5U	1U
Chromium (VI)	2U	2U	2U	2U
Copper	12,000.00	21,700.00	46,200.00	633,000.00
Lead	11.10	12.00	24.30	428.00
Mercury	0.09U	0.09U	0.09U	0.09U
Nickel	2.1U	42.80	75.30	3,110.00
Zinc	31.30	62.30	120.00	1,530.00
PCBs	1U	1U	1U	1U
Perc (Tetrachloroethene)	0.37U	0.37U	0.37U	0.37U
MTBE (Methyl-tert-butyl-ether)	0.28U	0.28U	0.30J	0.30J
Naphthalene	2.2J	1U	1U	1U

NOTE:

U- Analyte not detected at method detection level

F- Fahrenheit

ug/L - micrograms per liter

J - compound detected below the quantitation limit

dup - denotes field duplicate of preceeding sample (QA/QC)