

**REMOVAL PROGRAM
PRELIMINARY ASSESSMENT/
SITE INVESTIGATION REPORT
FOR THE
SCOFIELDTOWN ROAD PARK SITE
STAMFORD, FAIRFIELD COUNTY, CONNECTICUT
26 MAY 2009**

Prepared For:

U.S. Environmental Protection Agency
Region I
Emergency Planning and Response Branch
1 Congress Street, Suite 1100
Boston, MA 02114-2023

CONTRACT NO. EP-W-05-042

TDD NO. 01-09-05-0001

TASK NO. 0544

DC NO. R-5513

Submitted By:

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Region I
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August 2009

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I. Preliminary Assessment/Site Investigation Forms

REMOVAL PRELIMINARY ASSESSMENT

The Department of Public Works (DPW), City of Stamford, is the current operator on the northern portion of the property. The DPW utilizes this area to store vehicles, road salt, and equipment. The DPW also operates a recycling center and a leaf collection facility. The Parks and Recreation Department, City of Stamford, is the current operator on the southern portion of the property and operates a recreational area called the Scofieldtown Complex. The property is bordered to the southeast and east by Scofieldtown Road, to the north by Queen of Peace Cemetery, and to the west and southwest by Rock Rimmon Road. Poorhouse Brook flows south from the northeast corner of the property. There are also wetland areas to the north, east, and west.

The Scofieldtown Road Park is built on a former landfill, the Scofieldtown Road Dump. The landfill is estimated to have covered 10 to 18 acres with a depth of 10 to 30 feet. The landfill was originally opened in the mid-1930s as a town dump for household waste. In 1949, the town dump began to receive waste generated by the City of Stamford, and industrial waste is likely to have been brought to the landfill during this period. Open burning of waste materials was conducted as part of the operations of the town dump. The Scofieldtown Dump was closed by the city in 1968. After the closure of the landfill, waste material was still brought to the site due to problems with the local incinerator. From 1968 to 1970, numerous complaints were filed by local residents concerning exposed refuse, rat infestation, refuse in the nearby Poorhouse Brook, and a dump fire. The Scofieldtown Dump was officially closed in the early 1970s. The landfill was graded and capped with clean fill, and a recreational park was developed on the southern portion of the property. The landfill is currently unlined and does not have an impermeable cap.

Between December 1984 and February 1985, Stamford's Department of Health observed evidence of erosion of the Scofieldtown Road Park's landfill cover, caused by vehicle traffic over the property. Stamford's Department of Health sent a complaint to Connecticut Department of Environmental Protection (CT DEP) requesting that the traffic stop so as to prevent further erosion of the landfill cap. CT DEP recommended that all dumping and heavy traffic stop and that the disturbed area be regraded and reseeded. On 12 April 1985, CT DEP issued a Notice of Violation to the City of Stamford, for failure to provide adequate drainage and failure to obtain CT DEP approval to alter the landfill site. In August 1985, CT DEP approved a plan for the regrading of the Scofieldtown Road Park.

In May 1986, a complaint was made to CT DEP that drums had been discovered in a wooded area on the Scofieldtown Road Park property. On 29 May 1986, CT DEP investigated the complaint and discovered rusted, half buried drums on the property. CT DEP collected samples from the drums and surface water samples from Poorhouse Brook, located in the vicinity of the drums. The samples were analyzed for hydrocarbons and Extraction Procedure (EP) toxicity. The analytical results of the drum samples indicated the presence of benzene, toluene, chromium, lead, barium, and mixed xylenes. Analytical results of the surface water samples indicated the presence of lead and barium.

In May 1986, Scofieldtown Road Park was included in the Comprehensive Environmental Response Compensation Liability Information System (CERCLIS) database. On 28 July 1986, CT DEP sent a letter to the City of Stamford, DPW stating "...all drums exposed and buried must be located, secured, and their contents properly disposed of by a contractor....". Between July 1986 and March 1987, DPW moved the visible drums to a temporary staging area on the northern portion of the property, near a road-salt storage area. On 27 March 1987, the Connecticut Department of Health

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Services collected sediment samples from Poorhouse Brook, in the vicinity of the area of drum removal. The sediment samples were analyzed for hydrocarbons. Analytical results indicated the presence of benzene, ethyl benzene, toluene, and xylene in the sediment samples.

In November 1987, Tri State Environmental Testing, Inc., on behalf of the City of Stamford, collected one drum sample from the staged drums. The drum sample was analyzed for total metals and cyanide. Analytical results of the drum sample indicated the presence of lead, cadmium, copper, zinc, nickel, barium, and arsenic. In December 1987, McDonald and Watson Waste Oil Company, on behalf of the City of Stamford, removed 17 drums from the DPW staging area.

Responding to a complaint of chemical dumping on the property, CT DEP conducted an on-site reconnaissance of the property on 14 July 1988. CT DEP observed tires and rusted drums on the property. On 2 August 1988, CT DEP sent a letter to the mayor of Stamford requesting all visible drums be removed. On 7 November 1988, Connecticut Department of Health Services collected two surface water samples from Poorhouse Brook. The samples were analyzed for total metals, hydrocarbons, and organic halides. Analytical results indicated the presence of aluminum, barium, cadmium, chromium, copper, iron, nickel, zinc, and lead.

In February 1989, CT DEP observed visible refuse near renovations on the southern portion of the Scofieldtown Road Park property. CT DEP also observed more exposed drums along the perimeter of the property. Based on the information available, it is unclear whether these drums were removed from the site or if they still remain there. In February 1989, the DPW proposed using the northern portion of the property to store and process leaves collected by the city. From February to June 1990, Stamford's Department of Health sent several letters to CT DEP regarding observed erosion of the landfill cap and areas of exposed landfill waste.

On 20 July 1994, Camp, Dresser, and McKee Federal Programs Corporation (CDM Federal), on behalf of EPA, performed a Site Inspection Prioritization (SIP) of Scofieldtown Road Park. On 14 December 1994, CDM Federal conducted a reconnaissance of the property and observed rusted drums and leachate discharging from a culvert into Poorhouse Brook. On 23 May 1995, CDM Federal, on behalf of EPA, collected soil and sediment samples from the property. The soil and sediment samples were analyzed for volatile organic compounds (VOCs), semivolatile organic compounds (SVOCs), pesticides, polychlorinated biphenyls (PCBs), metals, and cyanides. Analytical results of the soil samples indicated the presence of endrin, heptachlor epoxide, 1,4-dichlorobenzene, and arsenic. Additionally, analytical results of both sediment and soil samples indicated the presence of aluminum, chromium, dieldrin, methylene chloride, barium, beryllium, copper, mercury, nickel, vanadium, zinc, anthracene, phenanthrene, fluoranthene, pyrene, benzo(b)fluoranthene, 1,2-dichloroethene, 4,4'-DDE, 4,4'-DDD, 4,4'-DDT, gamma-chlordane, acetone, lead, benzene, cobalt, manganese, benzo(a)anthracene, benzo(a)pyrene, and iron. Contaminants detected above background reference concentrations include 4,4'-DDE, lead, copper, nickel, iron, vanadium, zinc, barium, cobalt, and manganese. On 4 March 1996, CDM Federal completed the Final SIP Report.

On 28 November 1995, Roy F. Weston, Inc. (now known as Weston Solutions, Inc.), Superfund Technical Assessment and Response Team (START), on behalf of EPA, performed a removal site evaluation, consisting of a Removal Program Preliminary Assessment/Site Investigation (PA/SI), of

REMOVAL PRELIMINARY ASSESSMENT

Scotfieldtown Road Park. As part of the PA/SI, START performed an on-site reconnaissance and collected soil and drum samples from the property. The drum and soil samples were analyzed for cyanide, VOCs, metals, PCBs, pesticides, and extractable base/neutrals and acids (BNAs). Analytical results of the soil samples indicated the presence of 4,4'-DDE, 4,4'-DDD, 4,4'-DDT, alpha chlordane, gamma chlordane, dieldrin, fluoranthene, fluorene, pyrene, anthracene, indeno(1,2,3-cd)pyrene, benzo(a)anthracene, benzo(b)fluoranthene, benzo(k)fluoranthene, and benzo(a)pyrene. Analytical results of the drum sample indicated the presence of zinc and barium. On 2 February 1996, EPA determined that a removal action "was not appropriate" and issued a SI closure memorandum.

On 16 January 2007, START personnel conducted a site reconnaissance at the Scotfieldtown Road site assessment site as part of the Pre-Remedial Program Site Reassessment (SR). START personnel observed a total of 14 55-gallon steel drum/drum carcasses on site. START personnel observed seven 55-gallon drums along the steep slope of the northern property boundary. In addition, START personnel observed seven 55-gallon drums along the slope of the east-northeastern property boundary. START personnel could not confirm the contents or volume of the drums. Some of the observed drums were protruding from the slopes on which they were observed. Based on these observations, the EPA Removal Program requested that START attempt to collect samples from these drums.

On 13 June 2007, START personnel conducted a site reconnaissance as part of the Scotfieldtown Drum Site Removal PA/SI, to determine the location of drums on site and to determine if they could be sampled. A total of 11 drum/drum carcasses were found, none of which contained material that could be sampled.

On 20 November 2007, START, on behalf of EPA, performed a Removal PA/SI at the Scotfieldtown Road Park property. As part of the Removal PA/SI, START performed an on-site reconnaissance and collected two drum samples. The two drum samples were analyzed for VOCs, SVOCs, pesticides, PCBs, metals, herbicides, pH, ignitability, total cyanide, total sulfide, Toxicity Characteristic Leaching Procedure (TCLP) VOCs, TCLP SVOCs, TCLP pesticides, TCLP PCBs, TCLP herbicides, and TCLP metals and cyanide analyses. Analytical results of the drum samples indicated the presence of 14 VOCs, eight SVOCs, two pesticides, one TCLP pesticide, one PCB, 15 metals, and two TCLP metals. On 30 June 2008, EPA issued a Unilateral Administrative Order (UAO) for Removal Action to the City of Stamford to have the two drums removed.

On 26 September 2008, EPA received a letter indicating that the two drums had been removed, and all clean-up and reporting requirements outlined in the UAO had been fulfilled by the City of Stamford.

In addition, on 24 through 26 March 2008 and 2 through 3 April 2008, on behalf of EPA and as part of the Site Reassessment (SR), START personnel collected 20 surface soil/source samples from the slope of the former landfill and park area located on the Scotfieldtown Road Park property and from the Smith House property (located west of the Scotfieldtown Road Park property). START personnel also collected 18 drinking water samples from residential drinking water supply wells in the vicinity of the Scotfieldtown Road Park property. Additionally, START personnel collected 20 sediment samples from Poorhouse Brook, from the unnamed stream located on the northern portion of the

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property, from the wetlands located to the north and west of the property, and from the on-site pond. Surface soil/source, drinking water, and sediment samples were submitted to the EPA Office of Environmental Measurement and Evaluation (OEME) Laboratory in North Chelmsford, Massachusetts (MA) for VOC, SVOC, pesticide, PCB, metals, and cyanide analyses.

Based on analytical results, a contaminated surface soil/source area containing 11 VOCs, 26 SVOCs, six pesticides, three PCBs, and 11 metals has been documented. In addition, a release of three pesticides and two metals, at least partially attributable to sources associated with the Scofieldtown Road Park property, to private drinking water supply wells has been documented. Additionally, a release of two VOCs, 15 SVOCs, six pesticides, two PCBs, and 12 metals, at least partially attributable to sources associated with the Scofieldtown Road Park property, to sediment has been documented.

Description of Substances Possibly Present, Known or Alleged: For the purpose of this investigation, PCBs are the contaminant of concern.

Existing Analytical Data

() Real-Time Monitoring Data:

(X) Sampling Data: Existing sampling data includes analytical results from the Removal Program Preliminary Assessment/Site Investigation (Removal PA/SIs), conducted by START for EPA Region I, 2 February 1996 and 20 November 2007; and from the Pre-Remedial Program Site Reassessment (SR), conducted by START for EPA Region I, 24 through 26 March 2008 and 2 through 3 April 2008 (results listed above).

Potential Threat

Description of potential hazards to environment and/or population-identify any of the criteria for a Removal Action (from NCP) that may be met by the site under 40 CFR 300.415 [b] [2].

- i. Actual or potential exposure to nearby human populations, animals, or the food chain from hazardous substances, pollutants or contaminants.
- ii. Actual or potential contamination of drinking water supplies or sensitive ecosystems.
- iii. Hazardous substances or pollutants or contaminants in drums, barrels, tanks, or other bulk storage containers, that may pose a threat of release.
- iv. High levels of hazardous substances or pollutants or contaminants in soils largely at or near the surface, that may migrate.
- v. Weather conditions that may cause hazardous substances or pollutants or contaminants to migrate or be released.

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- vi. Threat of fire or explosion.
- vii. The availability of other appropriate federal or state response mechanisms to respond to the release.
- viii. Other situations or factors that may pose threats to public health or welfare or the environment.

Prior Response Activities

PRP **STATE** **FEDERAL** **OTHER**

Brief Description: On 22 December 1987, on behalf of the City of Stamford, MacDonald and Watson removed the 17 drums from the staging area, and they were subsequently disposed of at approved facilities. On 26 September 2008, EPA received a letter indicating that the two drums had been removed, and all clean-up and reporting requirements outlined in the UAO had been fulfilled by the City of Stamford.

Priority for Site Investigation

High **Medium** **Low** **None**

Comments:

Report Generation

Originator: Bonnie Mace **Date:** 7 July 2009
Affiliation: Weston Solutions, Inc. (START) **Telephone:** (978) 552-2131
TDD No.: 01-09-05-0001 **Task No.:** 0544



**EPA REGION I
REMOVAL SITE INVESTIGATION**

Inspection Information

Site Name: Scofieldtown Road Park **Address:** Scofieldtown Road
Town: Stamford **County:** Fairfield **State:** Connecticut

Date of Inspection: 26 May 2009 **Time of Inspection:** 1115 hours
Weather Conditions: Mostly cloudy, 72 ° Fahrenheit.

Site Status at Time of Inspection: **ACTIVE** () **INACTIVE**

Comments: The site consists of a public park that was recently closed due to elevated levels of polychlorinated biphenyls (PCBs).

Agencies/Personnel Performing Inspection

| | <u>Names</u> | <u>Program</u> |
|----------------------------|--|---|
| (X) EPA: | Rich Haworth | U.S. Environmental Protection Agency (EPA) Region I, Emergency Planning and Response Branch (EPRB), On-Scene Coordinator (OSC). |
| (X) EPA Contractor: | Bonnie Mace Lauren Bolte Mark Hall | Weston Solutions, Inc. (WESTON), Superfund Technical Assessment and Response Team III (START) |

() State:

Current Owner Based on Field Interview: City of Stamford

Physical Site Characteristics

| <u>Parameter</u> | <u>Quantities/Extent</u> |
|-------------------------|--|
| () Cylinders: | |
| () Drums: | |
| () Lagoons: | |
| () Tanks: | () Above: () Below: |
| () Asbestos: | |

REMOVAL SITE INVESTIGATION

| <u>Parameter</u> | <u>Quantities/Extent</u> |
|---|--|
| <input type="checkbox"/> Piles: | |
| <input type="checkbox"/> Stained Soil: | |
| <input type="checkbox"/> Sheens: | |
| <input type="checkbox"/> Stressed Vegetation: | |
| <input checked="" type="checkbox"/> Landfill: | The site is located on a former landfill. |
| <input checked="" type="checkbox"/> Population in Vicinity: | The site is located in a residential area of the Town of Stamford, Connecticut. There is residential housing located adjacent to the eastern and western portions of the site. The Scofield Magnet Middle School is located southeast of the site. |
| <input type="checkbox"/> Wells: | <input type="checkbox"/> Drinking: |
| | <input type="checkbox"/> Monitoring: |
| <input type="checkbox"/> Other: | |

Physical Site Observations

The site consists of a public park. There is a paved parking area along the southern portion of the site. There are tennis courts in the northwest corner of the site; and there is a jungle gym/children's play area and a gazebo with a picnic table in the center of the site. In addition, there is a grassy area along the northeastern portion of the site; and there is a small pond in the southeast corner of the site. The site is bordered to the west by a transfer station and recycling center and its parking area; to the north by an area used for composting leaves and grass material; to the east by Scofieldtown Road; and to the south by Rock Rimmon Road.

Field Sampling and Analysis

| <u>Matrix/Analytical Parameter</u> | <u>Field Instrumentation</u> | | | | |
|------------------------------------|------------------------------|------------|------------|------------|--------------|
| | <u>CGI/O₂</u> | <u>RAD</u> | <u>PID</u> | <u>FID</u> | <u>Other</u> |
| Background Readings: | 0.0/20.9 | -- | 0.0 | | |
| Air: | 0.0/20.9 | -- | 0.0 | | |
| Soil: | 0.0/20.9 | -- | 0.0 | | |
| Drums: | | | | | |
| Other: | | | | | |

Field Quality Control Procedures

SOP Followed

Deviation From SOP

Comments: START followed the protocol outlined in the document entitled, *Sampling and Analysis Plan for the Scofieldtown Road Park Site, Stamford, Fairfield County, Connecticut*, dated May 2009.

REMOVAL SITE INVESTIGATION

Description of Sampling Conducted

On 26 May 2009, START personnel collected a total of 14 surface soil and 14 subsurface soil samples from 13 locations throughout the site (including field duplicates). All samples were sent to EPA Office of Environmental Measurement and Evaluation (OEME) located in North Chelmsford, Massachusetts for PCB analyses.

Analyses

| Analytical Parameter | Media | Laboratory |
|---|--|--|
| <input type="checkbox"/> VOC | <input type="checkbox"/> AIR | <input checked="" type="checkbox"/> NERL |
| <input checked="" type="checkbox"/> PCB | <input type="checkbox"/> WATER | <input type="checkbox"/> CLP |
| <input type="checkbox"/> PESTICIDE | <input checked="" type="checkbox"/> SOIL | <input type="checkbox"/> PRIVATE |
| <input type="checkbox"/> METALS | <input type="checkbox"/> SOURCE | <input type="checkbox"/> SAS |
| <input type="checkbox"/> CYANIDE | <input type="checkbox"/> SEDIMENT | <input type="checkbox"/> SOW |
| <input type="checkbox"/> SVOC | <input type="checkbox"/> SOIL GAS | <input type="checkbox"/> FIELD |
| <input type="checkbox"/> TOXICITY | | |
| <input type="checkbox"/> DIOXIN | | |
| <input type="checkbox"/> ASBESTOS | | |
| <input type="checkbox"/> OTHER | | |

Analytical results: [see attached]

Receptors

| | | <u>Comments</u> |
|---|---|---|
| <input checked="" type="checkbox"/> Drinking Water: | <input checked="" type="checkbox"/> Private: | According to the Camp Dresser and McKee, Inc. Federal Programs Corporation report, entitled <i>Final Site Inspection Prioritization Report, Scofieldtown Road Park, Stamford, Connecticut</i> (Page 17, Paragraph 1), it was determined that two neighboring private supply wells (27 and 29 Hannahs Road), located to the east of the site, have been impacted by a release of hazardous substances from the property. |
| <input type="checkbox"/> Groundwater: | <input type="checkbox"/> Municipal: | |
| <input type="checkbox"/> Unrestricted Access: | | |
| <input checked="" type="checkbox"/> Population in Proximity: | | The site is located in a residential area of the Town of Stamford, Connecticut. There is residential housing located adjacent to the eastern and western portions of the site. The Scofield Magnet Middle School is located southeast of the site. |

REMOVAL SITE INVESTIGATION

(X) Sensitive Ecosystem: Poorhouse Brook flows along the northern property boundary and exits the northeastern corner, flowing southeast. A wetland area is located to the north of the site.

() Other:

Additional Procedures for Site Determination

() Biological Evaluation

() ATSDR

To be determine by the Task Monitor.

Site Determination

Depending on further information, criteria that may be met by the site include 40 CFR 300.415 [b] [2], parts:

- i. Actual or potential exposure to nearby human populations, animals, or the food chain from hazardous substances, pollutants or contaminants.
- ii. Actual or potential contamination of drinking water supplies or sensitive ecosystems.
- iii. Hazardous substances or pollutants or contaminants in drums, barrels, tanks, or other bulk storage containers, that may pose a threat of release.
- iv. High levels of hazardous substances or pollutants or contaminants in soils largely at or near the surface, that may migrate.
- v. Weather conditions that may cause hazardous substances or pollutants or contaminants to migrate or be released.
- vi. Threat of fire or explosion.
- vii. The availability of other appropriate federal or state response mechanisms to respond to the release.
- viii. Other situations or factors that may pose threats to public health or welfare or the environment.

Report Generation

| | |
|--|----------------------------------|
| Originator: Bonnie Mace | Date: 7 July 2009 |
| Affiliation: Weston Solutions, Inc. (START) | Telephone: (978) 552-2131 |
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II. Narrative Chronology

Narrative Chronology

Site Description

The Scofieldtown Road Park is located at the intersection of Rock Rimmon Road and Scofieldtown Road, in Stamford, Fairfield County, Connecticut (see Appendix A: Figure 1 - Site Location Map) [1]. The geographical coordinates of the approximate center of Scofieldtown Road Park are 41° 08' 26" north latitude and 73° 33' 35" west longitude. The Scofieldtown Road Park consists of approximately 18 acres of land, and is identified by the City of Stamford Tax Assessor's Parcel Identification No. 002-5936, as Block No. 0390, Street No. 7648, and Lot No. 15. The property is owned by the City of Stamford.

The Department of Public Works (DPW), City of Stamford, is the current operator on the northern portion of the property. The DPW utilizes this area to store vehicles, road salt, and equipment. The DPW also operates a recycling center and a leaf collection facility. The Parks and Recreation Department, City of Stamford, is the current operator on the southern portion of the property and operates a recreational area called the Scofieldtown Complex. The property is bordered to the southeast and east by Scofieldtown Road, to the north by Queen of Peace Cemetery, and to the west and southwest by Rock Rimmon Road. Poorhouse Brook flows south from the northeast corner of the property. There are also wetland areas to the north, east, and west (see Appendix A: Figure 2 - Site Diagram) [2].

Site History

The Scofieldtown Road Park is built on a former landfill, the Scofieldtown Road Dump. The landfill is estimated to have covered 10 to 18 acres with a depth of 10 to 30 feet. The landfill was originally opened in the mid-1930s as a town dump for household waste. In 1949, the town dump began to receive waste generated by the City of Stamford, and industrial waste is likely to have been brought to the landfill during this period. Open burning of waste materials was conducted as part of the operations of the town dump. The Scofieldtown Dump was closed by the city in 1968. After the closure of the landfill, waste material was still brought to the site due to problems with the local incinerator. From 1968 to 1970, numerous complaints were filed by local residents concerning exposed refuse, rat infestation, refuse in the nearby Poorhouse Brook, and a dump fire. The Scofieldtown Dump was officially closed in the early 1970s. The landfill was graded and capped with clean fill, and a recreational park was developed on the southern portion of the property. The landfill is currently unlined and does not have an impermeable cap.

Between December 1984 and February 1985, Stamford's Department of Health observed evidence of erosion of the Scofieldtown Road Park's landfill cover, caused by vehicle traffic over the property. Stamford's Department of Health sent a complaint to the Connecticut Department of Environmental Protection (CT DEP) requesting that the traffic stop so as to prevent further erosion of the landfill cap. CT DEP recommended that all dumping and heavy traffic stop and that the disturbed area be regraded and reseeded. On 12 April 1985, CT DEP issued a Notice of Violation to the City of Stamford, for failure to provide adequate drainage and failure to obtain CT DEP approval to alter the landfill site. In August 1985, CT DEP approved a plan for the regrading of the Scofieldtown Road Park.

In May 1986, a complaint was made to CT DEP that drums had been discovered in a wooded area on the Scofieldtown Road Park property. On 29 May 1986, CT DEP investigated the complaint and discovered rusted, half buried drums on the property. CT DEP collected samples from the drums and surface water samples from Poorhouse Brook, located in the vicinity of the drums. The samples were analyzed for hydrocarbons and Extraction Procedure (EP) toxicity. The analytical results of the drum samples indicated the presence of benzene, toluene, chromium, lead, barium, and mixed xylenes. Analytical results of the surface water samples indicated the presence of lead and barium.

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Responding to a complaint of chemical dumping on the property, CT DEP conducted an on-site reconnaissance of the property on 14 July 1988 [3]. CT DEP observed tires and rusted drums on the property. On 2 August 1988, CT DEP sent a letter to the mayor of Stamford requesting that all visible drums be removed. On 7 November 1988, Connecticut Department of Health Services collected two surface water samples from Poorhouse Brook. The samples were analyzed for total metals, hydrocarbons, and organic halides. Analytical results indicated the presence of aluminum, barium, cadmium, chromium, copper, iron, nickel, zinc, and lead.

In February 1989, CT DEP observed visible refuse near renovations on the southern portion of the Scofieldtown Road Park property. CT DEP also observed more exposed drums along the perimeter of the property. Based on the information available, it is unclear whether these drums were removed from the site or if they still remain there. In February 1989, the DPW proposed using the northern portion of the property to store and process leaves collected by the city. From February to June 1990, Stamford's Department of Health sent several letters to CT DEP regarding observed erosion of the landfill cap and areas of exposed landfill waste.

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CDM Federal, on behalf of EPA, collected soil and sediment samples from the property. The soil and sediment samples were analyzed for volatile organic compounds (VOCs), semivolatile organic compounds (SVOCs), pesticides, polychlorinated biphenyls (PCBs), metals, and cyanides. Analytical results of the soil samples indicated the presence of endrin, heptachlor epoxide, 1,4-dichlorobenzene, and arsenic. Additionally, analytical results of both sediment and soil samples indicated the presence of aluminum, chromium, dieldrin, methylene chloride, barium, beryllium, copper, mercury, nickel, vanadium, zinc, anthracene, phenanthrene, fluoranthene, pyrene, benzo(b)fluoranthene, 1,2-dichloroethene, 4,4'-DDE, 4,4'-DDD, 4,4'-DDT, gamma-chlordane, acetone, lead, benzene, cobalt, manganese, benzo(a)anthracene, benzo(a)pyrene, and iron. Contaminants detected above background reference concentrations included 4,4'-DDE, lead, copper, nickel, iron, vanadium, zinc, barium, cobalt, and manganese. On 4 March 1996, CDM Federal completed the Final SIP Report [4].

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On 16 January 2007, START personnel conducted a site reconnaissance at the Scofieldtown Road site as part of a Pre-Remedial Program Site Reassessment (SR). START personnel observed a total of 14 55-gallon steel drum/drum carcasses on site. START personnel observed seven 55-gallon drums along the steep slope of the northern property boundary. In addition, START personnel observed seven 55-gallon drums along the slope of the east-northeastern property boundary. START personnel could not confirm the contents or volume of the drums. Some of the observed drums were protruding from the slopes on which they were observed. Based on these observations, the EPA Removal Program requested that START attempt to collect samples from these drums.

On 13 June 2007, START personnel conducted a site reconnaissance as part of the Scofieldtown Drum Site Removal PA/SI, to determine the location of drums on site and to determine if they could be sampled. A total of 11 drum/drum carcasses were found, none of which contained material that could be sampled.

On 20 November 2007, START, on behalf of EPA, performed a Removal PA/SI at the Scofieldtown Road Park property. As part of the Removal PA/SI, START performed an on-site reconnaissance and collected two drum samples from the property. The two drum samples were analyzed for VOCs, SVOCs, pesticides, PCBs, metals, herbicides, pH, ignitability, total cyanide, total sulfide, Toxicity Characteristic Leaching Procedure (TCLP) VOCs, TCLP SVOCs, TCLP pesticides, TCLP PCBs, TCLP herbicides, and TCLP metals and cyanide analyses. Analytical

results of the drum samples indicated the presence of 14 VOCs, eight SVOCs, two pesticides, one TCLP pesticide, one PCB, 15 metals, and two TCLP metals [6]. On 30 June 2008, EPA issued a Unilateral Administrative Order (UAO) for Removal Action to the City of Stamford to have the two drums removed. On 26 September 2008, EPA received a letter indicating that the two drums had been removed, and all clean-up and reporting requirements outlined in the UAO had been fulfilled by the City of Stamford.

In addition, on 24 through 26 March 2008 and 2 through 3 April 2008, on behalf of EPA and as part of the Site Reassessment (SR), START personnel collected 20 surface soil/source samples from the slope of the former landfill and park area located on the Scofieldtown Road Park property and from the Smith House property (located west of the Scofieldtown Road Park property). START personnel also collected 18 drinking water samples from residential drinking water supply wells in the vicinity of the Scofieldtown Road Park property. Additionally, START personnel collected 20 sediment samples from Poorhouse Brook, from the unnamed stream located on the northern portion of the property, from the wetlands located to the north and west of the property, and from the on-site pond. Surface soil/source, drinking water, and sediment samples were submitted to the EPA Office of Environmental Measurement and Evaluation (OEME) Laboratory in North Chelmsford, Massachusetts (MA) for VOC, SVOC, pesticide, PCB, metals, and cyanide analyses. Based on analytical results, a contaminated surface soil/source area containing 11 VOCs, 26 SVOCs, six pesticides, three PCBs, and 11 metals has been documented. In addition, a release of three pesticides and two metals, at least partially attributable to sources associated with the Scofieldtown Road Park property, to private drinking water supply wells has been documented. Additionally, a release of two VOCs, 15 SVOCs, six pesticides, two PCBs, and 12 metals, at least partially attributable to sources associated with the Scofieldtown Road Park property, to sediment has been documented [7].

Site Activities

On 26 May 2009, START members Bonnie Mace, Lauren Bolte, and Mark Hall mobilized to the site to collect surface and subsurface soil samples from the park, as requested by On-Scene Coordinator (OSC) Richard Haworth, as prior sampling did not identify whether PCB contamination was present in surface or subsurface soils.

START personnel established a support zone and calibrated the air monitoring instrument, a combustible gas indicator/oxygen meter (CGI/O₂). Background levels were recorded in the Health and Safety Plan (HASP) as follows: photoionization detector (PID) = 0.0 parts per million (ppm); lower explosive limit (LEL) = 0%; and oxygen (O₂) = 20.9%. START member Mace conducted a safety and operations meeting, and on-site personnel reviewed and signed the site HASP. The HASP was prepared as a separate document, entitled *Weston Solutions, Inc., Region I START Site Health and Safety Plan (HASP) for the Schofieldtown Road Park Site, Stamford, Connecticut*, dated May 2009.

START personnel collected grab surface soil samples using dedicated equipment and subsurface samples using hand augers [8]. Air monitoring conducted at each sample location indicated no readings above background levels.

START member Bolte utilized the Trimble™ Pathfinder Pro XRS Global Positioning System (GPS) unit to record sample locations and site features (see Attachment A: Figure 3 - Sample Location Map) [9]. In addition, site features and sample locations were photographed by START member Mace (see Attachment C: Photodocumentation Log).

START collected a total of 14 surface soil and 14 subsurface soil samples (SS-01 through SS-14 and SB-01 through SB-14) from 13 locations throughout the site (including field duplicates) (see Attachment B: Table 1 - Soil Sample Descriptions). All samples were sent to EPA OEME, located in North Chelmsford, Massachusetts, for PCB analyses (see Attachment D: Chain of Custody Records).

On 1 July 2009, START received the analytical data results from OEME (see Appendix E: Analytical Data) [10]. In addition, these data are summarized in Appendix B (see Appendix B: Table 2 - Summary of Polychlorinated Biphenyl Results Surface and Subsurface Soil Samples).

Analytical Data Summaries

Two PCBs were detected in soil samples and include the following (with maximum concentration and sample number in parentheses): Aroclor-1254 [0.97 milligrams per Kilogram (mg/Kg) in SS-05]; and Aroclor-1260 (0.87 mg/Kg in SB-04) (see Appendix B: Table 2 - Summary of Polychlorinated Biphenyl Results Surface and Subsurface Soil Samples). [Note that the analyzed concentration of 12 mg/Kg for Aroclor-1248 is 10% above the Acceptance Limits in the case of Performance Evaluation (PE) sample AS1187, but that Aroclor-1248 was not detected in any of the soil samples.] The units of mg/Kg are equivalent to ppm. The State of Connecticut's maximum acceptable concentration of PCBs in surface soil at a location such as this park site is 1.0 ppm. PCBs were detected in only one of 14 surface soil samples. The concentration exceeded the standard by only 0.66 ppm. PCBs were detected in only three of 14 subsurface soil samples collected from a depth of 1 foot. Of these, only two exceeded the standard, but again, by less than 1 ppm (0.30 ppm and 0.65 ppm).

REFERENCES

- [1] USGS (U.S. Geological Survey). Stamford, Connecticut and Pound Ridge New York/Connecticut (7.5-minute series topographic map).
- [2] University of Connecticut CLEAR (Center for Land Use Education and Resources). 2004 Black and White Digitalorthophotos. Available from <http://clear.uconn.edu/data.html>. Internet accessed 15 February 2008.
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- [4] CDM Federal. 1996. Final Site Inspection Prioritization Report, Scofieldtown Road Park. TDD No. 9308-06-ACS. March 4.
- [5] Weston Solutions, Inc. 2 February 1996. *Removal Program Preliminary Assessment/Site Investigation for Scofieldtown Road Park*, Superfund Technical Assessment and Response Team (START), Burlington, MA.
- [6] Weston Solutions, Inc. March 2008. *Removal Program Preliminary Assessment/Site Investigation Report for the Scofieldtown Drum Site, Stamford, Fairfield County, Connecticut, 13 June 2007 and 20 November 2007*, Superfund Technical Assessment and Response Team III (START), Andover, MA.
- [7] Weston Solutions, Inc. 23 December 2008. Final Site Reassessment Report for the Scofieldtown Road Park, Stamford, Connecticut, Superfund Technical Assessment and Response Team III (START), Andover, MA.
- [8] Weston Solutions, Inc. March 2006. *Standard Operating Procedure for Surface and Subsurface Soil Sampling*, SOP No. WSI/S3-001, Superfund Technical Assessment and Response Team III (START), Wilmington, MA.
- [9] Weston Solutions, Inc. July 2005. *Standard Operating Procedure for TrimbleTM Pathfinder Pro XRS Global Positioning System (GPS) with TSCI Data Logger*, SOP No. WSI/S3-020, Superfund Technical Assessment and Response Team III (START), Wilmington, MA.
- [10] U.S. Environmental Protection Agency. 26 June 2009. Office of Environmental Measurement and Evaluation. Laboratory Report. Project No. 09050051. [Scofieldtown Road, Stamford, CT - PCBs in Soil Field Method (Fixed Lab)].

III. Appendices

Appendix A

Figures

- Figure 1 - Site Location Map
- Figure 2 - Site Diagram
- Figure 3 - Sample Location Map

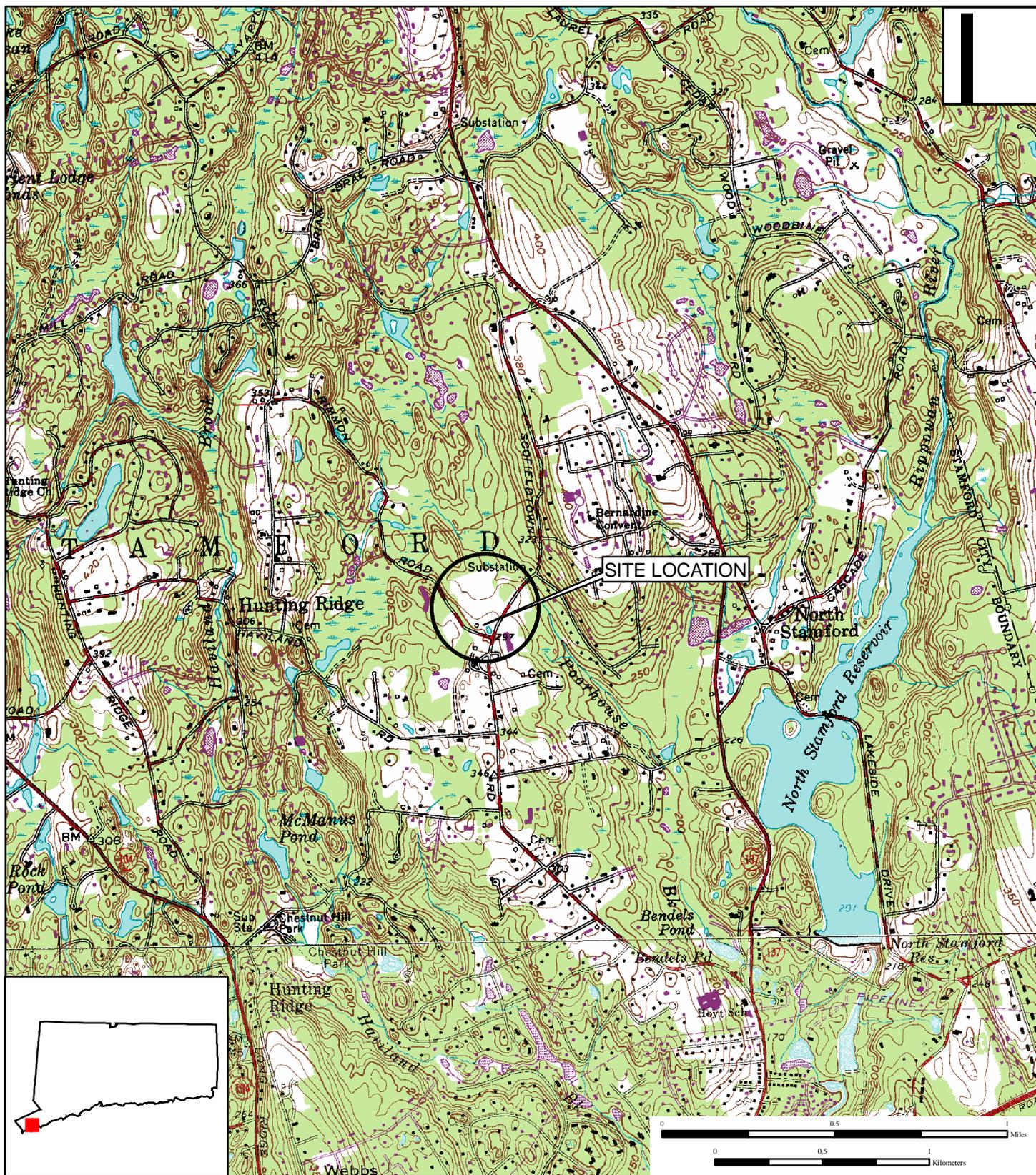


FIGURE 1

SITE LOCATION MAP

**SCOFIELDTOWN ROAD PARK
612 SCOFIELDTOWN ROAD
STAMFORD, CONNECTICUT**

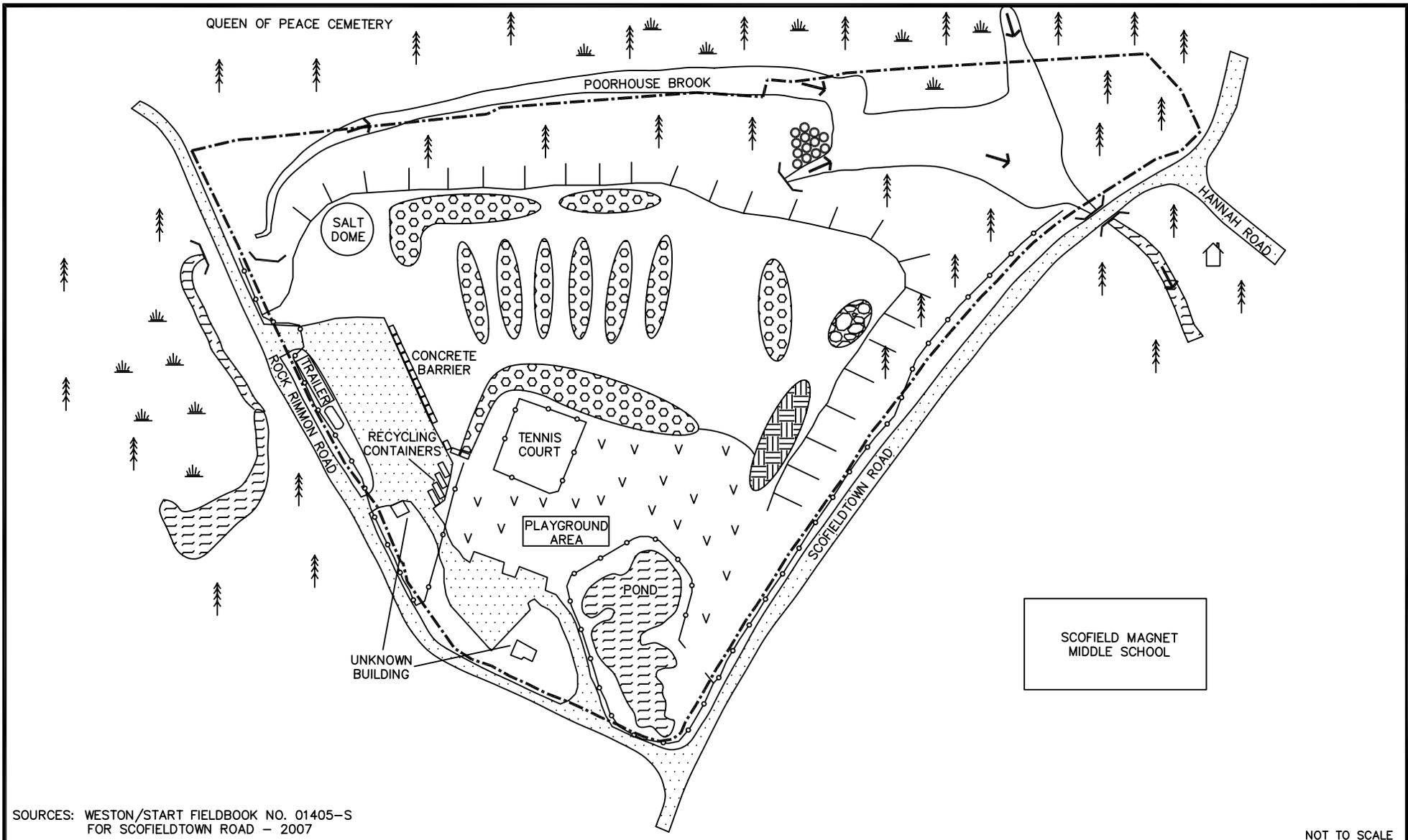
**EPA Region I
Superfund Technical Assessment and
Response Team (START) III
Contract No. EP-W-05-042**

TDD Number: 09-05-0001
Created by: B. Mace
Created on: 15 May 2009
Modified by:
Modified on:

Data Sources:

Topos: MicroPath/USGS
Quad Name(s): Stamford, CT; Pound Ridge, NY/CT
All other data: START





NOT TO SCALE

LEGEND

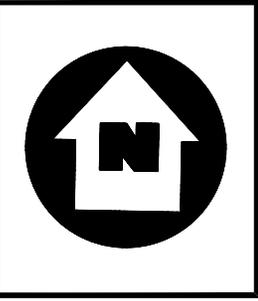
| | | | |
|--|--------------------------------|--|----------------|
| | PAVED AREA | | FILL |
| | WATER | | MILLINGS |
| | COMPOST | | TIRES |
| | PROPERTY BOUNDARY | | FENCE |
| | ABOVEGROUND STORAGE TANK (AST) | | |
| | RESIDENCE | | FLOW DIRECTION |

SITE DIAGRAM

SCOFIELDTOWN ROAD PARK
612 SCOFIELDTOWN ROAD
STAMFORD, CONNECTICUT

WESTON SOLUTIONS
REGION I SUPERFUND TECHNICAL ASSESSMENT AND RESPONSE TEAM

| | | |
|--|------------------------|-------------------|
| TDD # 09-05-0001 | DRAWN BY: G. HORNOK | DATE 3/14/2007 |
| FILE NAME: R:\09050001\Figures\Figure 2.dwg | | FIGURE 2 |



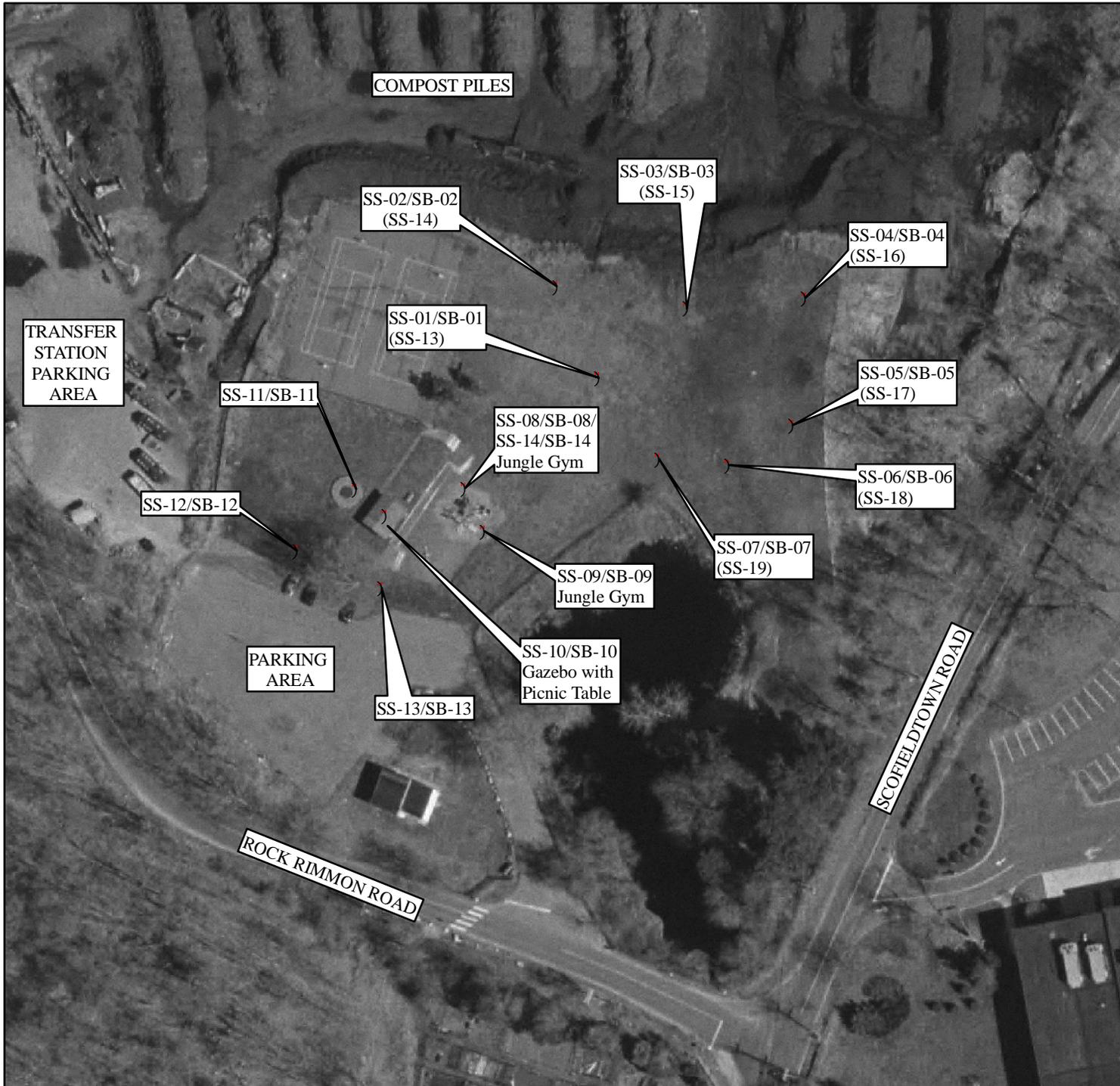


Figure 3
SAMPLE LOCATION MAP
 Scofieldtown Road Park
 612 Scofieldtown Road
 Stamford, Connecticut

EPA Region I
 Superfund Technical Assessment and
 Response Team (START) III
 Contract No. EP-W-05-042
 TDD Number: 09-05-0001
 Created by: G. Homok
 Created on: 18 April 2008
 Modified by: B. Mace
 Modified on: 2 July 2009

LEGEND

⌋ Soil Samples

SS-XX - Removal Program
 Soil Sample Locations
 (SS-XX) - Pre-Remedial Program
 Soil Sample Locations

SS = Surface Soil
 SB = Subsurface Soil

Data Sources:
 Imagery: CT GIS MAGIC
 Topos: MicroPath
 All other data: START



Appendix B

Tables

Table 1 - Soil Sample Descriptions

Table 2 - Summary of Polychlorinated Biphenyl Results Surface and Subsurface Soil Samples

TABLE 1

**SOIL SAMPLE DESCRIPTIONS
SCOFIELDTOWN ROAD PARK SITE
STAMFORD, CONNECTICUT**

| Sample Location | Sample Number | Sample Depth | Collection Date | Sample Type | Sample Description | Comments |
|-----------------|-------------------|--------------|-----------------|-------------|---|--|
| SS-01 | R01-090526RH-0001 | 3 in. | 26-May-09 | Grab | Dark brown, fine to medium SAND and SILT, some coarse gravel, trace organics. | Pre-remedial sample location SS-13. |
| SS-02 | R01-090526RH-0002 | 3 in. | 26-May-09 | Grab | Dark brown, medium SAND, trace organics. | Pre-remedial sample location SS-14. |
| SS-03 | R01-090526RH-0003 | 3 in. | 26-May-09 | Grab | Dark brown, fine SILT and SAND, trace organics. | Pre-remedial sample location SS-15. |
| SS-04 | R01-090526RH-0004 | 3 in. | 26-May-09 | Grab | Dark brown, medium SAND, trace organics. | Pre-remedial sample location SS-16. |
| SS-05 | R01-090526RH-0005 | 3 in. | 26-May-09 | Grab | Medium brown, medium SAND, coarse gravel, trace organics. | Pre-remedial sample location SS-17. |
| SS-06 | R01-090526RH-0006 | 3 in. | 26-May-09 | Grab | Dark brown, medium SAND and SILT, medium gravel, trace organics, debris (plastic, glass). | Pre-remedial sample location SS-18. |
| SS-07 | R01-090526RH-0007 | 3 in. | 26-May-09 | Grab | Medium brown, medium SAND, fine gravel, trace organics. | Pre-remedial sample location SS-19. |
| SS-08 | R01-090526RH-0008 | 6 in. | 26-May-09 | Grab | Medium brown, medium SAND. | At the base of the western slide on the jungle gym, under 6 inches of mulch. |
| SS-09 | R01-090526RH-0009 | 6 in. | 26-May-09 | Grab | Light brown, medium SAND, fine gravel. | At the base of the slide on the jungle gym, under 6 inches of mulch. |
| SS-10 | R01-090526RH-0010 | 3 in. | 26-May-09 | Grab | Dark brown fine to medium SAND and SILT, fine to medium gravel. | Under the picnic table, under the gazebo. |
| SS-11 | R01-090526RH-0011 | 6 in. | 26-May-09 | Grab | Light brown, medium SAND, fine gravel. | At the base of another children's play area, under 6 inches of mulch. |
| SS-12 | R01-090526RH-0012 | 3 in. | 26-May-09 | Grab | Dark brown, medium SAND, trace organics. | |
| SS-13 | R01-090526RH-0013 | 3 in. | 26-May-09 | Grab | Dark brown, medium SAND and SILT, trace organics. | |
| SS-14 | R01-090526RH-0014 | 3 in. | 26-May-09 | Grab | Medium brown, medium SAND. | Field duplicate of SS-08. |
| SB-01 | R01-090526RH-0015 | 12 in. | 26-May-09 | Grab | Light brown, medium SAND. | |
| SB-02 | R01-090526RH-0016 | 12 in. | 26-May-09 | Grab | Dark brown, medium SAND, debris (plastic, metal wire). | |
| SB-03 | R01-090526RH-0017 | 12 in. | 26-May-09 | Grab | Light to dark brown, SILT and fine SAND, fine to medium gravel, debris (plastic sheeting, glass). | |
| SB-04 | R01-090526RH-0018 | 12 in. | 26-May-09 | Grab | Dark brown, medium SAND, coarse gravel. | |
| SB-05 | R01-090526RH-0019 | 12 in. | 26-May-09 | Grab | Medium brown, medium SAND, coarse gravel, debris (plastic sheeting, glass). | |
| SB-06 | R01-090526RH-0020 | 12 in. | 26-May-09 | Grab | Dark brown, fine to medium SAND, debris (plastic sheeting, glass, rope). | |
| SB-07 | R01-090526RH-0021 | 12 in. | 26-May-09 | Grab | Medium brown, medium SAND, coarse gravel, debris (plastic sheeting, glass). | |
| SB-08 | R01-090526RH-0022 | 12 in. | 26-May-09 | Grab | Medium brown, medium SAND. | |
| SB-09 | R01-090526RH-0023 | 12 in. | 26-May-09 | Grab | Light brown, medium SAND, fine gravel. | |
| SB-10 | R01-090526RH-0024 | 12 in. | 26-May-09 | Grab | Dark brown fine to medium SAND and SILT, fine to medium gravel, debris (fabric). | |

TABLE 1

**SOIL SAMPLE DESCRIPTIONS
SCOFIELDTOWN ROAD PARK SITE
STAMFORD, CONNECTICUT**

| Sample Location | Sample Number | Sample Depth | Collection Date | Sample Type | Sample Description | Comments |
|-----------------|-------------------|--------------|-----------------|-------------|--|---------------------------|
| SB-11 | R01-090526RH-0025 | 12 in. | 26-May-09 | Grab | Medium brown, medium SAND, medium gravel. | |
| SB-12 | R01-090526RH-0026 | 12 in. | 26-May-09 | Grab | Dark brown, medium SAND. | |
| SB-13 | R01-090526RH-0027 | 12 in. | 26-May-09 | Grab | Dark brown, medium SAND and SILT, medium gravel, trace organics. | |
| SB-14 | R01-090526RH-0028 | 12 in. | 26-May-09 | Grab | Medium brown, medium SAND. | Field duplicate of SB-08. |
| RB-01 | R01-090526RH-0029 | NA | 27-May-09 | Grab | Rinsate Blank. | Field QC sample. |
| AS1187 | R01-081020GL-0030 | NA | 27-May-09 | Grab | PE. | Lab QC sample. |
| TT2484 | R01-081020GL-0031 | NA | 27-May-09 | Grab | PE. | Lab QC sample. |
| AS1144 | R01-081020GL-0032 | NA | 27-May-09 | Grab | PE. | Lab QC sample. |

NOTES:

- in. = Inches.
- SS = Surface soil sample.
- SB = Subsurface soil sample.
- PE = Performance Evaluation Sample.
- QC = Quality Control.
- NA = Not applicable.

TABLE 2

**SUMMARY OF POLYCHLORINATED BIPHENYL RESULTS
SURFACE AND SUBSURFACE SOIL SAMPLES
SCOFIELDTOWN ROAD PARK SITE
STAMFORD, CONNECTICUT**

| SAMPLE LOCATION | SS-05 | SB-04 | SB-05 | SB-06 | PE-AS1187 | PE-TT2484 | PE-AS1144 | |
|------------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|---------------|
| SAMPLE NUMBER | R01-090526RH-0005 | R01-090526RH-0018 | R01-090526RH-0019 | R01-090526RH-0020 | R01-090526RH-0030 | R01-090526RH-0031 | R01-090526RH-0032 | CT DEP |
| DEPTH | 0-3 inches | 12 inches | 12 inches | 12 inches | NA | NA | NA | DEC RC |
| COMPOUND | | | | | | | | |
| Aroclor-1248 | ND | ND | ND | ND | 12 | ND | ND | 1 |
| Aroclor-1254 | 0.97 | 0.78 | 0.76 | 0.26 | ND | 1.1 | ND | 1 |
| Aroclor-1260 | 0.69 | 0.87 | 0.54 | ND | ND | ND | 12 | 1 |

NOTES:

- 1) Samples analyzed by U.S. EPA Office of Environmental Measurement and Evaluation (OEME) using EPA Region I SOP, EIASOP-FLDPCB2.SOP, PCBs in Soil Field method (Fixed Lab).
- 2) All Results in milligrams per Kilogram (mg/Kg).
- 3) CT DEP DEC RC = Connecticut Department of Environmental Protection, Direct Exposure Criteria for Soil, Residential Criteria. Units in mg/Kg.
- 4) ND = Not Detected.
- 5) NA = Not applicable.
- 6) PE = Performance Evaluation.

Appendix C

Photodocumentation Log

PHOTOGRAPHY LOG SHEET
Scofieldtown Road Park Site • Stamford, Connecticut



SCENE: View of the park and sample locations SS-12/SB-12. Photograph taken facing north.

DATE: 26 May 2009

TIME: 1617 hours

PHOTOGRAPHER: Bonnie Mace

CAMERA: HP Photosmart M22



SCENE: View of sample location SS-11/SB-11. Photograph taken facing north.

DATE: 26 May 2009

TIME: 1617 hours

PHOTOGRAPHER: Bonnie Mace

CAMERA: HP Photosmart M22

PHOTOGRAPHY LOG SHEET
Scofieldtown Road Park Site • Stamford, Connecticut



SCENE: View of sample location SS-10/SB-10 near the picnic table under the gazebo. Photograph taken facing north.

DATE: 26 May 2009

TIME: 1618 hours

PHOTOGRAPHER: Bonnie Mace

CAMERA: HP Photosmart M22



SCENE: View of the jungle gym. Photograph taken facing northeast.

DATE: 26 May 2009

TIME: 1618 hours

PHOTOGRAPHER: Bonnie Mace

CAMERA: HP Photosmart M22

PHOTOGRAPHY LOG SHEET
Scofieldtown Road Park Site • Stamford, Connecticut



SCENE: View of sample location SS-08/SB-08 at the bottom of the slide. Photograph taken facing northeast.

DATE: 26 May 2009

TIME: 1618 hours

PHOTOGRAPHER: Bonnie Mace

CAMERA: HP Photosmart M22



SCENE: View of sample location SS-09/SB-09 at the bottom of the slide. Photograph taken facing northeast.

DATE: 26 May 2009

TIME: 1618 hours

PHOTOGRAPHER: Bonnie Mace

CAMERA: HP Photosmart M22

PHOTOGRAPHY LOG SHEET
Scofieldtown Road Park Site • Stamford, Connecticut



SCENE: View of the park and the tennis courts in the background. Photograph taken facing northwest.

DATE: 26 May 2009

PHOTOGRAPHER: Bonnie Mace

TIME: 1619 hours

CAMERA: HP Photosmart M22



SCENE: View of sample locations SS-01/SB-01 and SS-02/SB-02; note the compost piles in the background. Photograph taken facing north.

DATE: 26 May 2009

PHOTOGRAPHER: Bonnie Mace

TIME: 1619 hours

CAMERA: HP Photosmart M22

PHOTOGRAPHY LOG SHEET
Scofieldtown Road Park Site • Stamford, Connecticut



SCENE: View of sample locations SS-03/SB-03 and SS-04/SB-04. Photograph taken facing northeast.

DATE: 26 May 2009

TIME: 1619 hours

PHOTOGRAPHER: Bonnie Mace

CAMERA: HP Photosmart M22



SCENE: View of sample locations SS-05/SB-05, SS-06/SB-06, and SS-07/SB-07. Photograph taken facing east.

DATE: 26 May 2009

TIME: 1619 hours

PHOTOGRAPHER: Bonnie Mace

CAMERA: HP Photosmart M22

PHOTOGRAPHY LOG SHEET
Scofieldtown Road Park Site • Stamford, Connecticut



SCENE: View of the jungle gym with the pond in the background. Photograph taken facing east.

DATE: 26 May 2009

TIME: 1619 hours

PHOTOGRAPHER: Bonnie Mace

CAMERA: HP Photosmart M22



SCENE: View of the entrance to the park. Photograph taken facing north.

DATE: 26 May 2009

TIME: 1623 hours

PHOTOGRAPHER: Bonnie Mace

CAMERA: HP Photosmart M22

PHOTOGRAPHY LOG SHEET
Scofieldtown Road Park Site • Stamford, Connecticut



SCENE: View of sample location SS-13/SB-13. Photograph taken facing northeast.

DATE: 26 May 2009

PHOTOGRAPHER: Bonnie Mace

TIME: 1623 hours

CAMERA: HP Photosmart M22

Appendix D

Chain-of-Custody Record

Appendix E
Analytical Data



United States Environmental Protection Agency
Office of Environmental Measurement & Evaluation
11 Technology Drive
North Chelmsford, MA 01863-2431

Laboratory Report

June 26, 2009

Richard Haworth - HBR
USEPA New England Region I
One Congress Street
Boston, MA 02114 - 2023

Project Number: 09050051
Project: Scofieldtown Road - Stamford, CT
Analysis: PCB's in Soil Field Method (Fixed Lab)
Analyst: Paul Carroll *Paul Carroll 6/26/09*

Analytical Procedure:

All samples were received and logged in by the laboratory according to the USEPA New England SOP for Sample Log-in.

Sample preparation and analysis was done following the EPA Region I SOP, FLDPCB2.SOP.

Date Samples Received by the Laboratory: 5/27/09

Results relate only to the items tested or to the samples as received by the Laboratory. This analytical report shall not be reproduced except in full, without written approval of the laboratory.

If you have any questions please call me at 617-918-8340.

Sincerely,

Daniel N. Boudreau 6/29/09
Daniel N. Boudreau
Chemistry Team Leader

| | | |
|--------------------|-----------|---|
| Qualifiers: | RL | Reporting limit |
| | ND | Not Detected above Reporting limit |
| | NA | Not Applicable due to high sample dilutions or sample interferences |
| | J | Estimated value |
| | E | Estimated value exceeds the calibration range |
| | L | Estimated value is below the calibration range |
| | B | Analyte is associated with the lab blank or trip blank contamination. Values are qualified when the observed concentration of the contamination in the sample extract is less than 10 times the concentration in the blank. |
| | P | The confirmation value exceeded 35% difference and is less than 100%. The lower value is reported. |
| | C | The identification has been confirmed by GC/MS. |
| | R | No recovery was calculated since the analyte concentration is greater than four times the spike level. |

US ENVIRONMENTAL PROTECTION AGENCY
NEW ENGLAND LABORATORY

Scofieldtown Road - Stamford, CT

PCB's in Soil Field Method (Fixed Lab)

Client Sample ID: R01-090526RH-0001
Date of Collection: 5/26/2009
Date of Extraction: 6/22/09
Date of Analysis: 6/23/09

Lab Sample ID: AA94665
Matrix: Soil
Extract Volume: 2 mL

| CAS Number | Compound | Concentration mg/Kg | RL mg/Kg | Qualifier |
|------------|--------------|------------------------|-------------|-----------|
| 53469-21-9 | Aroclor-1242 | ND | 0.16 | |
| 12672-29-6 | Aroclor-1248 | ND | 0.16 | |
| 11097-69-1 | Aroclor-1254 | ND | 0.16 | |
| 11096-82-5 | Aroclor-1260 | ND | 0.16 | |
| 11100-14-4 | Aroclor-1262 | ND | 0.16 | |
| 37324-23-5 | Aroclor-1268 | ND | 0.16 | |

Comments:

PCB's in Soil Field Method (Fixed Lab)

Client Sample ID: R01-090526RH-0002
Date of Collection: 5/26/2009
Date of Extraction: 6/22/09
Date of Analysis: 6/23/09

Lab Sample ID: AA94666
Matrix: Soil
Extract Volume: 2 mL

| CAS Number | Compound | Concentration mg/Kg | RL mg/Kg | Qualifier |
|------------|--------------|------------------------|-------------|-----------|
| 53469-21-9 | Aroclor-1242 | ND | 0.28 | |
| 12672-29-6 | Aroclor-1248 | ND | 0.28 | |
| 11097-69-1 | Aroclor-1254 | ND | 0.28 | |
| 11096-82-5 | Aroclor-1260 | ND | 0.28 | |
| 11100-14-4 | Aroclor-1262 | ND | 0.28 | |
| 37324-23-5 | Aroclor-1268 | ND | 0.28 | |

Comments:

US ENVIRONMENTAL PROTECTION AGENCY
NEW ENGLAND LABORATORY

Scofieldtown Road - Stamford, CT

PCB's in Soil Field Method (Fixed Lab)

Client Sample ID: R01-090526RH-0003
Date of Collection: 5/26/2009
Date of Extraction: 6/22/09
Date of Analysis: 6/23/09

Lab Sample ID: AA94667
Matrix: Soil
Extract Volume: 2 mL

| CAS Number | Compound | Concentration mg/Kg | RL mg/Kg | Qualifier |
|------------|--------------|------------------------|-------------|-----------|
| 53469-21-9 | Aroclor-1242 | ND | 0.26 | |
| 12672-29-6 | Aroclor-1248 | ND | 0.26 | |
| 11097-69-1 | Aroclor-1254 | ND | 0.26 | |
| 11096-82-5 | Aroclor-1260 | ND | 0.26 | |
| 11100-14-4 | Aroclor-1262 | ND | 0.26 | |
| 37324-23-5 | Aroclor-1268 | ND | 0.26 | |

Comments:

PCB's in Soil Field Method (Fixed Lab)

Client Sample ID: R01-090526RH-0004
Date of Collection: 5/26/2009
Date of Extraction: 6/22/09
Date of Analysis: 6/23/09

Lab Sample ID: AA94668
Matrix: Soil
Extract Volume: 2 mL

| CAS Number | Compound | Concentration mg/Kg | RL mg/Kg | Qualifier |
|------------|--------------|------------------------|-------------|-----------|
| 53469-21-9 | Aroclor-1242 | ND | 0.24 | |
| 12672-29-6 | Aroclor-1248 | ND | 0.24 | |
| 11097-69-1 | Aroclor-1254 | ND | 0.24 | |
| 11096-82-5 | Aroclor-1260 | ND | 0.24 | |
| 11100-14-4 | Aroclor-1262 | ND | 0.24 | |
| 37324-23-5 | Aroclor-1268 | ND | 0.24 | |

Comments:

US ENVIRONMENTAL PROTECTION AGENCY
NEW ENGLAND LABORATORY

Scofieldtown Road - Stamford, CT

PCB's in Soil Field Method (Fixed Lab)

Client Sample ID: R01-090526RH-0005
Date of Collection: 5/26/2009
Date of Extraction: 6/22/09
Date of Analysis: 6/23/09

Lab Sample ID: AA94669
Matrix: Soil
Extract Volume: 2 mL

| CAS Number | Compound | Concentration mg/Kg | RL mg/Kg | Qualifier |
|------------|--------------|------------------------|-------------|-----------|
| 53469-21-9 | Aroclor-1242 | ND | 0.24 | |
| 12672-29-6 | Aroclor-1248 | ND | 0.24 | |
| 11097-69-1 | Aroclor-1254 | 0.97 | 0.24 | |
| 11096-82-5 | Aroclor-1260 | 0.69 | 0.24 | |
| 11100-14-4 | Aroclor-1262 | ND | 0.24 | |
| 37324-23-5 | Aroclor-1268 | ND | 0.24 | |

Comments:

PCB's in Soil Field Method (Fixed Lab)

Client Sample ID: R01-090526RH-0006
Date of Collection: 5/26/2009
Date of Extraction: 6/22/09
Date of Analysis: 6/23/09

Lab Sample ID: AA94670
Matrix: Soil
Extract Volume: 2 mL

| CAS Number | Compound | Concentration mg/Kg | RL mg/Kg | Qualifier |
|------------|--------------|------------------------|-------------|-----------|
| 53469-21-9 | Aroclor-1242 | ND | 0.20 | |
| 12672-29-6 | Aroclor-1248 | ND | 0.20 | |
| 11097-69-1 | Aroclor-1254 | ND | 0.20 | |
| 11096-82-5 | Aroclor-1260 | ND | 0.20 | |
| 11100-14-4 | Aroclor-1262 | ND | 0.20 | |
| 37324-23-5 | Aroclor-1268 | ND | 0.20 | |

Comments:

US ENVIRONMENTAL PROTECTION AGENCY
NEW ENGLAND LABORATORY

Scofieldtown Road - Stamford, CT

PCB's in Soil Field Method (Fixed Lab)

Client Sample ID: R01-090526RH-0007
Date of Collection: 5/26/2009
Date of Extraction: 6/22/09
Date of Analysis: 6/23/09

Lab Sample ID: AA94671
Matrix: Soil
Extract Volume: 2 mL

| CAS Number | Compound | Concentration mg/Kg | RL mg/Kg | Qualifier |
|------------|--------------|------------------------|-------------|-----------|
| 53469-21-9 | Aroclor-1242 | ND | 0.22 | |
| 12672-29-6 | Aroclor-1248 | ND | 0.22 | |
| 11097-69-1 | Aroclor-1254 | ND | 0.22 | |
| 11096-82-5 | Aroclor-1260 | ND | 0.22 | |
| 11100-14-4 | Aroclor-1262 | ND | 0.22 | |
| 37324-23-5 | Aroclor-1268 | ND | 0.22 | |

Comments:

PCB's in Soil Field Method (Fixed Lab)

Client Sample ID: R01-090526RH-0008
Date of Collection: 5/26/2009
Date of Extraction: 6/22/09
Date of Analysis: 6/23/09

Lab Sample ID: AA94672
Matrix: Soil
Extract Volume: 2 mL

| CAS Number | Compound | Concentration mg/Kg | RL mg/Kg | Qualifier |
|------------|--------------|------------------------|-------------|-----------|
| 53469-21-9 | Aroclor-1242 | ND | 0.18 | |
| 12672-29-6 | Aroclor-1248 | ND | 0.18 | |
| 11097-69-1 | Aroclor-1254 | ND | 0.18 | |
| 11096-82-5 | Aroclor-1260 | ND | 0.18 | |
| 11100-14-4 | Aroclor-1262 | ND | 0.18 | |
| 37324-23-5 | Aroclor-1268 | ND | 0.18 | |

Comments:

US ENVIRONMENTAL PROTECTION AGENCY
NEW ENGLAND LABORATORY

Scofieldtown Road - Stamford, CT

PCB's in Soil Field Method (Fixed Lab)

Client Sample ID: R01-090526RH-0009
Date of Collection: 5/26/2009
Date of Extraction: 6/22/09
Date of Analysis: 6/23/09

Lab Sample ID: AA94673
Matrix: Soil
Extract Volume: 2 mL

| CAS Number | Compound | Concentration mg/Kg | RL mg/Kg | Qualifier |
|------------|--------------|------------------------|-------------|-----------|
| 53469-21-9 | Aroclor-1242 | ND | 0.18 | |
| 12672-29-6 | Aroclor-1248 | ND | 0.18 | |
| 11097-69-1 | Aroclor-1254 | ND | 0.18 | |
| 11096-82-5 | Aroclor-1260 | ND | 0.18 | |
| 11100-14-4 | Aroclor-1262 | ND | 0.18 | |
| 37324-23-5 | Aroclor-1268 | ND | 0.18 | |

Comments:

PCB's in Soil Field Method (Fixed Lab)

Client Sample ID: R01-090526RH-0010
Date of Collection: 5/26/2009
Date of Extraction: 6/22/09
Date of Analysis: 6/23/09

Lab Sample ID: AA94674
Matrix: Soil
Extract Volume: 2 mL

| CAS Number | Compound | Concentration mg/Kg | RL mg/Kg | Qualifier |
|------------|--------------|------------------------|-------------|-----------|
| 53469-21-9 | Aroclor-1242 | ND | 0.18 | |
| 12672-29-6 | Aroclor-1248 | ND | 0.18 | |
| 11097-69-1 | Aroclor-1254 | ND | 0.18 | |
| 11096-82-5 | Aroclor-1260 | ND | 0.18 | |
| 11100-14-4 | Aroclor-1262 | ND | 0.18 | |
| 37324-23-5 | Aroclor-1268 | ND | 0.18 | |

Comments:

US ENVIRONMENTAL PROTECTION AGENCY
NEW ENGLAND LABORATORY

Scofieldtown Road - Stamford, CT

PCB's in Soil Field Method (Fixed Lab)

Client Sample ID: R01-090526RH-0011
Date of Collection: 5/26/2009
Date of Extraction: 6/22/09
Date of Analysis: 6/23/09

Lab Sample ID: AA94675
Matrix: Soil
Extract Volume: 2 mL

| CAS Number | Compound | Concentration mg/Kg | RL mg/Kg | Qualifier |
|------------|--------------|------------------------|-------------|-----------|
| 53469-21-9 | Aroclor-1242 | ND | 0.16 | |
| 12672-29-6 | Aroclor-1248 | ND | 0.16 | |
| 11097-69-1 | Aroclor-1254 | ND | 0.16 | |
| 11096-82-5 | Aroclor-1260 | ND | 0.16 | |
| 11100-14-4 | Aroclor-1262 | ND | 0.16 | |
| 37324-23-5 | Aroclor-1268 | ND | 0.16 | |

Comments:

PCB's in Soil Field Method (Fixed Lab)

Client Sample ID: R01-090526RH-0012
Date of Collection: 5/26/2009
Date of Extraction: 6/22/09
Date of Analysis: 6/23/09

Lab Sample ID: AA94676
Matrix: Soil
Extract Volume: 2 mL

| CAS Number | Compound | Concentration mg/Kg | RL mg/Kg | Qualifier |
|------------|--------------|------------------------|-------------|-----------|
| 53469-21-9 | Aroclor-1242 | ND | 0.18 | |
| 12672-29-6 | Aroclor-1248 | ND | 0.18 | |
| 11097-69-1 | Aroclor-1254 | ND | 0.18 | |
| 11096-82-5 | Aroclor-1260 | ND | 0.18 | |
| 11100-14-4 | Aroclor-1262 | ND | 0.18 | |
| 37324-23-5 | Aroclor-1268 | ND | 0.18 | |

Comments:

US ENVIRONMENTAL PROTECTION AGENCY
NEW ENGLAND LABORATORY

Scofieldtown Road - Stamford, CT

PCB's in Soil Field Method (Fixed Lab)

Client Sample ID: R01-090526RH-0013
Date of Collection: 5/26/2009
Date of Extraction: 6/22/09
Date of Analysis: 6/23/09

Lab Sample ID: AA94677
Matrix: Soil
Extract Volume: 2 mL

| CAS Number | Compound | Concentration mg/Kg | RL mg/Kg | Qualifier |
|------------|--------------|------------------------|-------------|-----------|
| 53469-21-9 | Aroclor-1242 | ND | 0.24 | |
| 12672-29-6 | Aroclor-1248 | ND | 0.24 | |
| 11097-69-1 | Aroclor-1254 | ND | 0.24 | |
| 11096-82-5 | Aroclor-1260 | ND | 0.24 | |
| 11100-14-4 | Aroclor-1262 | ND | 0.24 | |
| 37324-23-5 | Aroclor-1268 | ND | 0.24 | |

Comments:

PCB's in Soil Field Method (Fixed Lab)

Client Sample ID: R01-090526RH-0014
Date of Collection: 5/26/2009
Date of Extraction: 6/22/09
Date of Analysis: 6/23/09

Lab Sample ID: AA94678
Matrix: Soil
Extract Volume: 2 mL

| CAS Number | Compound | Concentration mg/Kg | RL mg/Kg | Qualifier |
|------------|--------------|------------------------|-------------|-----------|
| 53469-21-9 | Aroclor-1242 | ND | 0.22 | |
| 12672-29-6 | Aroclor-1248 | ND | 0.22 | |
| 11097-69-1 | Aroclor-1254 | ND | 0.22 | |
| 11096-82-5 | Aroclor-1260 | ND | 0.22 | |
| 11100-14-4 | Aroclor-1262 | ND | 0.22 | |
| 37324-23-5 | Aroclor-1268 | ND | 0.22 | |

Comments:

US ENVIRONMENTAL PROTECTION AGENCY
NEW ENGLAND LABORATORY

Scofieldtown Road - Stamford, CT

PCB's in Soil Field Method (Fixed Lab)

Client Sample ID: R01-090526RH-0015
Date of Collection: 5/26/2009
Date of Extraction: 6/22/09
Date of Analysis: 6/23/09

Lab Sample ID: AA94679
Matrix: Soil
Extract Volume: 2 mL

| CAS Number | Compound | Concentration mg/Kg | RL mg/Kg | Qualifier |
|------------|--------------|------------------------|-------------|-----------|
| 53469-21-9 | Aroclor-1242 | ND | 0.22 | |
| 12672-29-6 | Aroclor-1248 | ND | 0.22 | |
| 11097-69-1 | Aroclor-1254 | ND | 0.22 | |
| 11096-82-5 | Aroclor-1260 | ND | 0.22 | |
| 11100-14-4 | Aroclor-1262 | ND | 0.22 | |
| 37324-23-5 | Aroclor-1268 | ND | 0.22 | |

Comments:

PCB's in Soil Field Method (Fixed Lab)

Client Sample ID: R01-090526RH-0016
Date of Collection: 5/26/2009
Date of Extraction: 6/22/09
Date of Analysis: 6/23/09

Lab Sample ID: AA94680
Matrix: Soil
Extract Volume: 2 mL

| CAS Number | Compound | Concentration mg/Kg | RL mg/Kg | Qualifier |
|------------|--------------|------------------------|-------------|-----------|
| 53469-21-9 | Aroclor-1242 | ND | 0.28 | |
| 12672-29-6 | Aroclor-1248 | ND | 0.28 | |
| 11097-69-1 | Aroclor-1254 | ND | 0.28 | |
| 11096-82-5 | Aroclor-1260 | ND | 0.28 | |
| 11100-14-4 | Aroclor-1262 | ND | 0.28 | |
| 37324-23-5 | Aroclor-1268 | ND | 0.28 | |

Comments:

US ENVIRONMENTAL PROTECTION AGENCY
NEW ENGLAND LABORATORY

Scofieldtown Road - Stamford, CT

PCB's in Soil Field Method (Fixed Lab)

Client Sample ID: R01-090526RH-0017
Date of Collection: 5/26/2009
Date of Extraction: 6/22/09
Date of Analysis: 6/23/09

Lab Sample ID: AA94681
Matrix: Soil
Extract Volume: 2 mL

| CAS Number | Compound | Concentration mg/Kg | RL mg/Kg | Qualifier |
|------------|--------------|------------------------|-------------|-----------|
| 53469-21-9 | Aroclor-1242 | ND | 0.24 | |
| 12672-29-6 | Aroclor-1248 | ND | 0.24 | |
| 11097-69-1 | Aroclor-1254 | ND | 0.24 | |
| 11096-82-5 | Aroclor-1260 | ND | 0.24 | |
| 11100-14-4 | Aroclor-1262 | ND | 0.24 | |
| 37324-23-5 | Aroclor-1268 | ND | 0.24 | |

Comments:

PCB's in Soil Field Method (Fixed Lab)

Client Sample ID: R01-090526RH-0018
Date of Collection: 5/26/2009
Date of Extraction: 6/22/09
Date of Analysis: 6/23/09

Lab Sample ID: AA94682
Matrix: Soil
Extract Volume: 2 mL

| CAS Number | Compound | Concentration mg/Kg | RL mg/Kg | Qualifier |
|------------|--------------|------------------------|-------------|-----------|
| 53469-21-9 | Aroclor-1242 | ND | 0.22 | |
| 12672-29-6 | Aroclor-1248 | ND | 0.22 | |
| 11097-69-1 | Aroclor-1254 | 0.78 | 0.22 | |
| 11096-82-5 | Aroclor-1260 | 0.87 | 0.22 | |
| 11100-14-4 | Aroclor-1262 | ND | 0.22 | |
| 37324-23-5 | Aroclor-1268 | ND | 0.22 | |

Comments:

US ENVIRONMENTAL PROTECTION AGENCY
NEW ENGLAND LABORATORY

Scofieldtown Road - Stamford, CT

PCB's in Soil Field Method (Fixed Lab)

Client Sample ID: R01-090526RH-0019
Date of Collection: 5/26/2009
Date of Extraction: 6/22/09
Date of Analysis: 6/23/09

Lab Sample ID: AA94683
Matrix: Soil
Extract Volume: 2 mL

| CAS Number | Compound | Concentration mg/Kg | RL mg/Kg | Qualifier |
|------------|--------------|------------------------|-------------|-----------|
| 53469-21-9 | Aroclor-1242 | ND | 0.22 | |
| 12672-29-6 | Aroclor-1248 | ND | 0.22 | |
| 11097-69-1 | Aroclor-1254 | 0.76 | 0.22 | |
| 11096-82-5 | Aroclor-1260 | 0.54 | 0.22 | |
| 11100-14-4 | Aroclor-1262 | ND | 0.22 | |
| 37324-23-5 | Aroclor-1268 | ND | 0.22 | |

Comments:

PCB's in Soil Field Method (Fixed Lab)

Client Sample ID: R01-090526RH-0020
Date of Collection: 5/26/2009
Date of Extraction: 6/22/09
Date of Analysis: 6/23/09

Lab Sample ID: AA94684
Matrix: Soil
Extract Volume: 2 mL

| CAS Number | Compound | Concentration mg/Kg | RL mg/Kg | Qualifier |
|------------|--------------|------------------------|-------------|-----------|
| 53469-21-9 | Aroclor-1242 | ND | 0.18 | |
| 12672-29-6 | Aroclor-1248 | ND | 0.18 | |
| 11097-69-1 | Aroclor-1254 | 0.26 | 0.18 | |
| 11096-82-5 | Aroclor-1260 | ND | 0.18 | |
| 11100-14-4 | Aroclor-1262 | ND | 0.18 | |
| 37324-23-5 | Aroclor-1268 | ND | 0.18 | |

Comments:

US ENVIRONMENTAL PROTECTION AGENCY
NEW ENGLAND LABORATORY

Scofieldtown Road - Stamford, CT

PCB's in Soil Field Method (Fixed Lab)

Client Sample ID: R01-090526RH-0021
Date of Collection: 5/26/2009
Date of Extraction: 6/22/09
Date of Analysis: 6/23/09

Lab Sample ID: AA94685
Matrix: Soil
Extract Volume: 2 mL

| CAS Number | Compound | Concentration mg/Kg | RL mg/Kg | Qualifier |
|------------|--------------|------------------------|-------------|-----------|
| 53469-21-9 | Aroclor-1242 | ND | 0.20 | |
| 12672-29-6 | Aroclor-1248 | ND | 0.20 | |
| 11097-69-1 | Aroclor-1254 | ND | 0.20 | |
| 11096-82-5 | Aroclor-1260 | ND | 0.20 | |
| 11100-14-4 | Aroclor-1262 | ND | 0.20 | |
| 37324-23-5 | Aroclor-1268 | ND | 0.20 | |

Comments:

PCB's in Soil Field Method (Fixed Lab)

Client Sample ID: R01-090526RH-0022
Date of Collection: 5/26/2009
Date of Extraction: 6/22/09
Date of Analysis: 6/23/09

Lab Sample ID: AA94686
Matrix: Soil
Extract Volume: 2 mL

| CAS Number | Compound | Concentration mg/Kg | RL mg/Kg | Qualifier |
|------------|--------------|------------------------|-------------|-----------|
| 53469-21-9 | Aroclor-1242 | ND | 0.16 | |
| 12672-29-6 | Aroclor-1248 | ND | 0.16 | |
| 11097-69-1 | Aroclor-1254 | ND | 0.16 | |
| 11096-82-5 | Aroclor-1260 | ND | 0.16 | |
| 11100-14-4 | Aroclor-1262 | ND | 0.16 | |
| 37324-23-5 | Aroclor-1268 | ND | 0.16 | |

Comments:

US ENVIRONMENTAL PROTECTION AGENCY
NEW ENGLAND LABORATORY

Scofieldtown Road - Stamford, CT

PCB's in Soil Field Method (Fixed Lab)

Client Sample ID: R01-090526RH-0023
Date of Collection: 5/26/2009
Date of Extraction: 6/22/09
Date of Analysis: 6/23/09

Lab Sample ID: AA94687
Matrix: Soil
Extract Volume: 2 mL

| CAS Number | Compound | Concentration mg/Kg | RL mg/Kg | Qualifier |
|------------|--------------|------------------------|-------------|-----------|
| 53469-21-9 | Aroclor-1242 | ND | 0.18 | |
| 12672-29-6 | Aroclor-1248 | ND | 0.18 | |
| 11097-69-1 | Aroclor-1254 | ND | 0.18 | |
| 11096-82-5 | Aroclor-1260 | ND | 0.18 | |
| 11100-14-4 | Aroclor-1262 | ND | 0.18 | |
| 37324-23-5 | Aroclor-1268 | ND | 0.18 | |

Comments:

PCB's in Soil Field Method (Fixed Lab)

Client Sample ID: R01-090526RH-0024
Date of Collection: 5/26/2009
Date of Extraction: 6/22/09
Date of Analysis: 6/23/09

Lab Sample ID: AA94688
Matrix: Soil
Extract Volume: 2 mL

| CAS Number | Compound | Concentration mg/Kg | RL mg/Kg | Qualifier |
|------------|--------------|------------------------|-------------|-----------|
| 53469-21-9 | Aroclor-1242 | ND | 0.18 | |
| 12672-29-6 | Aroclor-1248 | ND | 0.18 | |
| 11097-69-1 | Aroclor-1254 | ND | 0.18 | |
| 11096-82-5 | Aroclor-1260 | ND | 0.18 | |
| 11100-14-4 | Aroclor-1262 | ND | 0.18 | |
| 37324-23-5 | Aroclor-1268 | ND | 0.18 | |

Comments:

US ENVIRONMENTAL PROTECTION AGENCY
NEW ENGLAND LABORATORY

Scofieldtown Road - Stamford, CT

PCB's in Soil Field Method (Fixed Lab)

Client Sample ID: R01-090526RH-0025
Date of Collection: 5/26/2009
Date of Extraction: 6/22/09
Date of Analysis: 6/23/09

Lab Sample ID: AA94689
Matrix: Soil
Extract Volume: 2 mL

| CAS Number | Compound | Concentration mg/Kg | RL mg/Kg | Qualifier |
|------------|--------------|------------------------|-------------|-----------|
| 53469-21-9 | Aroclor-1242 | ND | 0.16 | |
| 12672-29-6 | Aroclor-1248 | ND | 0.16 | |
| 11097-69-1 | Aroclor-1254 | ND | 0.16 | |
| 11096-82-5 | Aroclor-1260 | ND | 0.16 | |
| 11100-14-4 | Aroclor-1262 | ND | 0.16 | |
| 37324-23-5 | Aroclor-1268 | ND | 0.16 | |

Comments:

PCB's in Soil Field Method (Fixed Lab)

Client Sample ID: R01-090526RH-0026
Date of Collection: 5/26/2009
Date of Extraction: 6/22/09
Date of Analysis: 6/23/09

Lab Sample ID: AA94690
Matrix: Soil
Extract Volume: 2 mL

| CAS Number | Compound | Concentration mg/Kg | RL mg/Kg | Qualifier |
|------------|--------------|------------------------|-------------|-----------|
| 53469-21-9 | Aroclor-1242 | ND | 0.20 | |
| 12672-29-6 | Aroclor-1248 | ND | 0.20 | |
| 11097-69-1 | Aroclor-1254 | ND | 0.20 | |
| 11096-82-5 | Aroclor-1260 | ND | 0.20 | |
| 11100-14-4 | Aroclor-1262 | ND | 0.20 | |
| 37324-23-5 | Aroclor-1268 | ND | 0.20 | |

Comments:

US ENVIRONMENTAL PROTECTION AGENCY
NEW ENGLAND LABORATORY

Scofieldtown Road - Stamford, CT

PCB's in Soil Field Method (Fixed Lab)

Client Sample ID: R01-090526RH-0027
Date of Collection: 5/26/2009
Date of Extraction: 6/22/09
Date of Analysis: 6/23/09

Lab Sample ID: AA94691
Matrix: Soil
Extract Volume: 2 mL

| CAS Number | Compound | Concentration mg/Kg | RL mg/Kg | Qualifier |
|------------|--------------|------------------------|-------------|-----------|
| 53469-21-9 | Aroclor-1242 | ND | 0.22 | |
| 12672-29-6 | Aroclor-1248 | ND | 0.22 | |
| 11097-69-1 | Aroclor-1254 | ND | 0.22 | |
| 11096-82-5 | Aroclor-1260 | ND | 0.22 | |
| 11100-14-4 | Aroclor-1262 | ND | 0.22 | |
| 37324-23-5 | Aroclor-1268 | ND | 0.22 | |

Comments:

PCB's in Soil Field Method (Fixed Lab)

Client Sample ID: R01-090526RH-0028
Date of Collection: 5/26/2009
Date of Extraction: 6/22/09
Date of Analysis: 6/23/09

Lab Sample ID: AA94692
Matrix: Soil
Extract Volume: 2 mL

| CAS Number | Compound | Concentration mg/Kg | RL mg/Kg | Qualifier |
|------------|--------------|------------------------|-------------|-----------|
| 53469-21-9 | Aroclor-1242 | ND | 0.16 | |
| 12672-29-6 | Aroclor-1248 | ND | 0.16 | |
| 11097-69-1 | Aroclor-1254 | ND | 0.16 | |
| 11096-82-5 | Aroclor-1260 | ND | 0.16 | |
| 11100-14-4 | Aroclor-1262 | ND | 0.16 | |
| 37324-23-5 | Aroclor-1268 | ND | 0.16 | |

Comments:

US ENVIRONMENTAL PROTECTION AGENCY
NEW ENGLAND LABORATORY

Scofieldtown Road - Stamford, CT

PCB's in Soil Field Method (Fixed Lab)

Client Sample ID: R01-090526RH-0030
Date of Collection: 5/27/2009
Date of Extraction: 6/22/09
Date of Analysis: 6/23/09

Lab Sample ID: AA94694
Matrix: Sand-PE
Extract Volume: 2 mL

| CAS Number | Compound | Concentration mg/Kg | RL mg/Kg | Qualifier |
|------------|--------------|------------------------|-------------|-----------|
| 53469-21-9 | Aroclor-1242 | ND | 1.1 | |
| 12672-29-6 | Aroclor-1248 | 12 | 1.1 | |
| 11097-69-1 | Aroclor-1254 | ND | 1.1 | |
| 11096-82-5 | Aroclor-1260 | ND | 1.1 | |
| 11100-14-4 | Aroclor-1262 | ND | 1.1 | |
| 37324-23-5 | Aroclor-1268 | ND | 1.1 | |

Comments:

PCB's in Soil Field Method (Fixed Lab)

Client Sample ID: R01-090526RH-0031
Date of Collection: 5/27/2009
Date of Extraction: 6/22/09
Date of Analysis: 6/23/09

Lab Sample ID: AA94695
Matrix: Sand-PE
Extract Volume: 2 mL

| CAS Number | Compound | Concentration mg/Kg | RL mg/Kg | Qualifier |
|------------|--------------|------------------------|-------------|-----------|
| 53469-21-9 | Aroclor-1242 | ND | 0.20 | |
| 12672-29-6 | Aroclor-1248 | ND | 0.20 | |
| 11097-69-1 | Aroclor-1254 | 1.1 | 0.20 | |
| 11096-82-5 | Aroclor-1260 | ND | 0.20 | |
| 11100-14-4 | Aroclor-1262 | ND | 0.20 | |
| 37324-23-5 | Aroclor-1268 | ND | 0.20 | |

Comments:

US ENVIRONMENTAL PROTECTION AGENCY
NEW ENGLAND LABORATORY

Scofieldtown Road - Stamford, CT

PCB's in Soil Field Method (Fixed Lab)

Client Sample ID: R01-090526RH-0032
Date of Collection: 5/27/2009
Date of Extraction: 6/22/09
Date of Analysis: 6/23/09

Lab Sample ID: AA94696
Matrix: Sand-PE
Extract Volume: 2 mL

| CAS Number | Compound | Concentration mg/Kg | RL mg/Kg | Qualifier |
|------------|--------------|------------------------|-------------|-----------|
| 53469-21-9 | Aroclor-1242 | ND | 2.2 | |
| 12672-29-6 | Aroclor-1248 | ND | 2.2 | |
| 11097-69-1 | Aroclor-1254 | ND | 2.2 | |
| 11096-82-5 | Aroclor-1260 | 12 | 2.2 | |
| 11100-14-4 | Aroclor-1262 | ND | 2.2 | |
| 37324-23-5 | Aroclor-1268 | ND | 2.2 | |

Comments:
