REMOVAL PROGRAM
PRELIMINARY ASSESSMENT/
SITE INVESTIGATION REPORT
FOR THE
RIVERSIDE SQUARE PCB SITE
BOSTON (HYDE PARK),
SUFFOLK COUNTY, MASSACHUSETTS
1 THROUGH 5 MAY 2023 AND 18 THROUGH 27 JULY 2023

Prepared For:

U.S. Environmental Protection Agency
Region I
Superfund and Emergency Management Division
5 Post Office Square, Suite 100
Boston, Massachusetts 02109-3912

CONTRACT NO. 68HE0120D0001

TASK ORDER NO. 68HE0120F0027

TO/AD NO.: TOFP-01-22-03-0001

TASK NO.: 0134

DC NO.: R-50734

Submitted By:

Weston Solutions, Inc.
Region I
Superfund Technical Assessment and Response Team
101 Billerica Avenue, Building 5, Suite 103
North Billerica, Massachusetts 01862

June 2024

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I. Preliminary Assessment/Site Investigation Forms

EPA REGION I
REMOVAL PRELIMINARY ASSESSMENT

Site Name and Location

Name: Riverside Square PCB Site **Location:** Riverside Square Area
Town: Boston (Hyde Park) **County:** Suffolk **State:** Massachusetts

Site Status: **( ) NPL** **( ) NON-NPL** **( ) RCRA** **( ) TSCA**
(X) ACTIVE **( ) ABANDONED** **( ) OTHER**

(X) Attached USGS Map of Location **(X) Site I.D. No.:** 01HG

Latitude: 42º 15′ 35.16″ North **Longitude:** 71º 06′ 51.72″ West

Referral

( ) Citizen **( ) City/Town** **(X) State** **( ) Preremedial** **( ) RCRA**
( ) Other:

Name of referring party: Massachusetts Department of Environmental Protection (MassDEP)
Address: 100 Cambridge Street, Suite 900 **Telephone:** (617) 292-5500
Boston, MA 02114

Contacts Identified
1) Jennifer McWeeney **Telephone:** (781) 915-9656
2) **Telephone:**

Source of Information

( ) Verbal:
(X) Report: Weston Solutions, Inc. *Removal Program Preliminary Assessment/Site Investigation Report for the Riverside Square PCB Site.* November 2011.

Weston Solutions, Inc. *Removal Program Extent of Contamination Report for the Riverside Square PCB Site.* May 2013.

Massachusetts Department of Environmental Protection (MassDEP), Department of Conservation and Recreation (DCR), and MACTEC Engineering & Consulting, Inc. Neponset River Dredge Spoils Assessment, Boston and Milton. MicroSoft PowerPoint Presentation.

MACTEC Engineering & Consulting, Inc. Maps and Analytical Summary Tables of Polychlorinated Biphenyl Results. Neponset River Dredge Spoils, Boston, Massachusetts. Prepared for MassDEP. 10 January 2011.

(X) Other: Massachusetts Department of Environmental Protection (MassDEP). Letter to U.S. EPA, Request for EPA Assistance, RE: Hyde Park, Riverside Square Area. 5 October 2022.

Site Access

Authorizing Person: Douglas Rice (DCR Commissioner)
Date: 17 October 2022 **(X) Obtained** **( ) Verbal**
Telephone: (617) 626-1250 **( ) Not Obtained** **(X) Written**

Historical Preservation

( ) Site is Historically Significant or Eligible for Historic Preservation

Contacts Identified

1) State Historical Preservation Officer (SHPO)
Name: Ms. Brona Simon **Telephone:** (617) 727-8470
2) Tribal Historical Preservation Officer (THPO)
Name: **Telephone:**
Comments:

Physical Site Characterization

Background Information:
The Riverside Square PCB Site is located along the northern bank of the Neponset River within the Riverside Square area in Hyde Park (Boston), Suffolk County, Massachusetts (MA). The geographical coordinates of the approximate midpoint along the center of Riverside Square are 42° 15′ 35.16″ north and 71° 06′ 51.72″ west. The site is located in a primarily residential area, and the land slopes down approximately 20 to 45 feet toward the Neponset River.

The Neponset River Basin has been one of the most industrialized basins in the United States since the mid-1770s. From the 1930s through the 1970s, several industries using PCBs operated in the Neponset River Basin. In 1955, major flooding occurred within the river basin and across southern New England. To control flooding and increase recreational use of the basin, the Metropolitan District Commission, which merged into the Department of Conservation and Recreation, dredged the Neponset River to deepen the channel in 1962 and 1964. Dredge spoils from the Neponset River were subsequently placed in several locations along the banks adjacent to the river. It was suspected that these spoils may contain elevated concentrations of polychlorinated biphenyls (PCBs).

The Massachusetts Department of Environmental Protection (MassDEP) has identified fourteen areas where the dredge spoils were placed along the banks of the Neponset River. The Riverside Square PCB Site is one of these areas. Approximately 17,800 cubic yards of dredged spoils were placed along this section of the river.

REMOVAL PRELIMINARY ASSESSMENT

In 2002, the U.S. Army Corps of Engineers conducted a study in an effort to restore fish passage, habitat, and recreational use of the Neponset River. As part of this study, two sediment cores were collected and analyzed. Analytical results indicated that the bottom sediments contained elevated concentrations of PCBs. The efforts to restore fish passage, habitat, and recreational use raised concerns about sediment, water, and biota quality of the Neponset River; and in 2002 and 2003, the U.S. Geological Survey, in cooperation with the Massachusetts Executive Office of Environmental Affairs Riverways Program and the U.S. EPA, conducted a study of the lower Neponset River in Boston and Milton. As part of this study, 20 sediment grab (0 to 4 inches below the sediment/water interface), 31 sediment core (5 to 50 inches below the sediment/water interface), and 12 surface water samples were collected and submitted for inorganics (metals), polycyclic aromatic hydrocarbons (PAHs), organochlorine pesticides, and PCB analyses.

According to the U.S. Geological Survey, although enriched relative to background, most constituent concentrations were equal to or less than those found in other urban rivers, with the notable exception of PCBs. Concentrations of PCBs detected in the grab sediment samples ranged from less than 1.4 to 11 parts per million (ppm), and from less than 1 to 225 ppm in the sediment core samples. The PCBs were detected in such high concentrations in the sediment samples that they pose a threat to benthic organisms and may potentially cause human health risks if humans come into contact with the sediment.

In June and October 2010, MassDEP and its contractor, MACTEC (now known as AMEC Environment & Infrastructure, Inc.), collected surface (0 to 1 feet) and subsurface (1 to 15 feet) soil samples from several properties within Spoil Area "A", as outlined in the 2007 Sampling and Analysis Plan, Initial Investigation and Assessment. Analytical results from these samples indicated concentrations of PCBs exceeding state standards. Maximum concentrations of total PCBs detected in these surface and subsurface soil samples were 11.2 milligrams per kilogram (mg/kg) and 98 mg/kg, respectively. Based on the results of the soil samples collected by MassDEP and MACTEC, EPA planned to collect additional surface soil samples to confirm previous results, and to decide if a removal action was warranted.

On 9 June 2011, Weston Solutions, Inc. (Weston) Superfund Technical Assessment and Response Team (START), EPA, and MassDEP personnel conducted an on-site reconnaissance. Site history and previous sampling results were discussed. Perimeter air monitoring conducted with a Multi-RAE (having carbon monoxide, volatile organic compounds, hydrogen sulfide, oxygen, and lower explosive limit detectors) and Micro-R (radiation) meter indicated no levels above background.

On 19 and 20 July 2011, START collected 30 grab subsurface soil samples from six of the eight residential areas. Written access agreements for two of the areas (Areas E and G) were not provided in time for the sampling event. Two of the 30 soil samples were duplicate samples collected for quality control. START personnel collected six surface soil samples from Area B (including one field duplicate), nine surface soil samples from Area C, one surface soil sample from Area D, four surface soil samples from Area F, nine surface soil samples from Area H (including one field duplicate), and one surface soil sample from Area I. Samples were submitted to the EPA New England Regional Laboratory for PCB screening analysis. In addition, the three

samples with the highest PCB screening results were selected for confirmatory PCB analysis. PCB screening analytical results received from the EPA New England Regional Laboratory indicated that PCBs were detected in all the soil samples except one (EPA-33H). Aroclor-1248 and Aroclor-1254 were detected in 27 soil samples. Concentrations of Aroclor-1248 ranged from non-detect (ND) to 580 mg/kg (EPA-24C); and concentrations of Aroclor-1254 ranged from non-detect to 13 mg/kg (EPA-25C). Total concentrations of PCBs exceeded the Massachusetts Contingency Plan (MCP) Method 1 S-1/GW-1 standard of 1 mg/kg in 25 of the soil samples. Concentrations of Aroclor-1248 in the confirmation samples ranged from 13 mg/kg (EPA-30C) to 730 mg/kg (EPA-24C). The concentrations of PCB Aroclor-1248 in all three confirmation samples exceeded the Massachusetts Contingency Plan Method 1 S-1/GW-1 standard of 1 mg/kg.

From 22 through 26 October 2012 and on 1 November 2012, EPA and START personnel mobilized to the site to conduct an Extent-of-Contamination investigation. A 20-foot by 20-foot grid system was established over Areas B and C, and portions of Area D. Eighty-eight (88) sampling (boring) locations were established over the three areas; and soil macro-core tooling, advanced with either the Geoprobe® or a hand-operated pneumatic hammer method, was used to collect soil samples from 0-12-inch, 12-24-inch, and 24-36-inch depth intervals. A total of 275 soil samples (including duplicates) were collected. Analytical results indicated that PCBs were detected in 167 of the 275 soil samples collected. Four PCB aroclors were detected in these samples, including Aroclors 1242, 1248, 1254, and 1260. Aroclors 1262 and 1268 were not detected in any of the samples. Concentrations for Total PCBs ranged from non-detect to 150 mg/kg. Ninety-four samples were found to contain Total PCBs exceeding the Massachusetts Contingency Plan Method 1 Soil Category Standard of 2.0 mg/kg, and 13 samples were found to exceed the Imminent Hazard value of 10 mg/kg.

Description of Substances Possibly Present, Known or Alleged: PCBs, metals (arsenic, total chromium, and lead).

Existing Analytical Data

( ) Real-Time Monitoring Data:

(X) Sampling Data:
Weston Solutions, Inc. Removal Program Preliminary Assessment/Site Investigation Report for the Riverside Square PCB Site. November 2011.

Weston Solutions, Inc. *Removal Program Extent of Contamination Report for the Riverside Square PCB Site.* May 2013.

Massachusetts Department of Environmental Protection (MassDEP), Department of Conservation and Recreation (DCR), and MACTEC Engineering & Consulting, Inc. Neponset River Dredge Spoils Assessment, Boston and Milton. MicroSoft PowerPoint Presentation.

REMOVAL PRELIMINARY ASSESSMENT

MACTEC Engineering & Consulting, Inc. Maps and Analytical Summary Tables of Polychlorinated Biphenyl Results. Neponset River Dredge Spoils, Boston, Massachusetts. Prepared for MassDEP. 10 January 2011.

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.

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: None

Priority for Site Investigation

(X) High **( ) Medium** **Low ( )** **None ( )**
Comments:

REMOVAL PRELIMINARY ASSESSMENT

Report Generation

Originator:	Tara LePage	**Date:**	7 November 2023
Affiliation:	Weston Solutions, Inc. (START)	**Telephone:**	(978) 552-2131
Contract No.	68HE0120D0001	**Contract Name:**	START V
Task Order No.	68HE0120F0027	**Task Name:**	FP-CRT
AD No.:	TOFP-01-22-03-0001	**Task No.:**	0134

EPA REGION I
REMOVAL SITE INVESTIGATION

Inspection Information

Site Name: Riverside Square PCB Site **Address:** Riverside Square Area
Town: Boston (Hyde Park) **County:** Suffolk **State:** Massachusetts
Date of Inspection: 1 to 5 May 2023 **Time of Inspection:** 0930 hours
Weather Conditions: 75 °Fahrenheit (°F), Cloudy, Rainy
Site Status at Time of Inspection: **(X) ACTIVE** **( ) INACTIVE**
Date of Inspection: 18 July 2023 **Time of Inspection:** 0900 hours
Weather Conditions: 84 °F, Mostly Cloudy
Site Status at Time of Inspection: **(X) ACTIVE** **( ) INACTIVE**
Date of Inspection: 20 to 27 July 2023 **Time of Inspection:** 0900 hours
Weather Conditions: 78 to 84 °F, Partly Cloudy to Sunny, Hot and Humid, some light rain
Site Status at Time of Inspection: **(X) ACTIVE** **( ) INACTIVE**
Comments: The site is located along the northern banks of the Neponset River within the Riverside Square area.

Agencies/Personnel Performing Inspection

		Names	Program
(X)	**EPA:**	Tom Hatzopoulos	U.S. Environmental Protection Agency (EPA) Region I, Emergency Planning and Response Branch (EPRB), On-Scene Coordinator (OSC).
(X)	**EPA Contractor:**	Bonnie Mace John Kelly Liam Trainor Bill Mahany Christine Dupree John Burton Tara LePage	Weston Solutions, Inc. (WESTON), Superfund Technical Assessment and Response Team V (START).
(X)	**State:**	Jennifer McWeeney	Massachusetts Department of Environmental Protection (MassDEP).

Current Owner Based on Field Interview: Residential areas owned by private citizens.

REMOVAL SITE INVESTIGATION

Physical Site Characteristics

Parameter		Quantities/Extent
( ) Cylinders:		
( ) Drums:		
( ) Lagoons:		
( ) Tanks:	**( ) Above:**	
	( ) Below:	
( ) Asbestos:		
( ) Piles:		
( ) Stained Soil:		
( ) Sheens:		
( ) Stressed Vegetation:		
( ) Landfill:		
(X) Population in Vicinity:		The site is located in a primarily residential area bordered to the south by the Neponset River, to the west by a business, and to the north and east by residences.
(X) Wells:	**(X) Drinking:**	The Massachusetts Water Resource Authority provides drinking water to the residents of Hyde Park. It has not been determined if any private drinking water wells are located in the vicinity of the site. There are no monitoring wells on site.
	( ) Monitoring:	
( ) Other:		

Physical Site Observations

Comments: Located along the northern bank of the Neponset River within the Riverside Square area, the site is in a primarily residential area and the land slopes down approximately 20 to 45 feet toward the Neponset River with portions that are heavily wooded and filled with vegetation along the river.

Field Sampling and Analysis

	Field Instrumentation Readings				
Matrix	**CGI/O_2 (%)**	**RAD (µR/hr)**	**PID (ppm)**	**FID (ppm)**	**Other**
Background:	0.0/20.9	15	0.0	--	--
Air:	0.0/20.9	15	0.0	--	--
Soil:	0.0/20.9	15	0.0	--	--
Surface Water:					
Tanks:					
Drums:					
Vats:					
Lagoons:					
Spillage:					

REMOVAL SITE INVESTIGATION

Matrix	Field Instrumentation Readings				
	CGI/O_2 (%)	RAD (µR/hr)	PID (ppm)	FID (ppm)	Other
Run Off:					
Piles:					
Sediments:					
Groundwater:					
Other:					

CGI/O2 (%) = Combustible Gas Indicator/Oxygen (percentage)
RAD (µR/hr) = Radiation (microRoentgens per hour)
PID = PhotoIonization Detector (parts per million)
FID (ppm) = Flame Ionization Detector (parts per million)

Field Quality Control Procedures

(X) SOP Followed **( ) Deviation from SOP**

Comments:

Sampling was conducted according to the site Sampling and Analysis Plan, prepared as a separate document entitled *Sampling and Analysis Plan for the Riverside Square PCB Site, Boston (Hyde Park), Suffolk County, Massachusetts*, dated April 2023.

Description of Sampling Conducted

Between 3 and 5 May 2023, START personnel collected 146 surface and subsurface soil samples (including field duplicates) from 98 soil borings from the site. Samples were collected from the 0- to 1-foot (A) interval and the 1- to 3-foot (B) interval. All of the soil samples were field screened for metals (arsenic, lead, and chromium) by START personnel using an X-Ray Fluorescence analyzer. All samples were submitted to the EPA New England Regional Laboratory located in North Chelmsford, Massachusetts for field method PCB analysis. In addition, soil samples were selected for confirmatory PCB and metals analyses.

Between 20 and 27 July 2023, START personnel collected 168 surface and subsurface soil samples from 146 soil borings from the Site. All the soil samples were field screened for metals (arsenic, lead, and chromium) by START personnel using an X-Ray Fluorescence analyzer. All samples were submitted to the EPA New England Regional Laboratory for field method PCB analysis. In addition, soil samples were selected for confirmatory PCB and metals analyses.

REMOVAL SITE INVESTIGATION

Analyses

Analytical Parameter	Media	Laboratory
( ) VOC	( ) AIR	(X) NERL
(X) PCB	( ) WATER	( ) CLP
( ) PESTICIDE	(X) SOIL	( ) PRIVATE
(X) METALS	( ) SOURCE	( ) DAS
( ) CYANIDE	( ) SEDIMENT	( ) SOW
( ) SVOC	( ) SOIL GAS	(X) FIELD
( ) TOXICITY		
( ) DIOXIN		
( ) ASBESTOS		
( ) OTHER		

Receptors

	Comments
( ) Drinking Water: **( ) Private:** **( ) Municipal:**	
( ) Groundwater:	
(X) Unrestricted Access:	Pedestrian access to the Area A portion of the Site is unrestricted and used as a walking path along the river. Vehicular and pedestrian access to some of the residential portions of the Site is restricted along the street and Neponset River by chain-link fences and locked gates.
(X) Population in Proximity:	The Site is in a primarily residential area.
(X) Sensitive Ecosystem:	The Site is located along the banks of the Neponset River.
( ) Other:	

Additional Procedures for Site Determination

( ) Biological Evaluation **( ) ATSDR** **( ) None**

To be determined by the On-Scene Coordinator.

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:	Tara LePage	**Date:**	7 November 2023
Affiliation:	Weston Solutions, Inc. (START)	**Telephone:**	(978) 552-2131
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AD No.:	TOFP-01-22-03-0001	**Task No.:**	0134

II. Narrative Chronology

Narrative Chronology

Site Description and History

The Riverside Square PCB Site is located along the northern bank of the Neponset River within the Riverside Square area in Hyde Park (Boston), Suffolk County, Massachusetts (MA) (see Appendix A, Figure 1). The geographical coordinates of the approximate midpoint along the center of Riverside Square are 42° 15′ 35.16″ north and 71° 06′ 51.72″ west. The site is located in a primarily residential area, and the land slopes down approximately 20 to 45 feet toward the Neponset River (see Appendix A, Figure 2).

The Neponset River Basin has been one of the most industrialized basins in the United States since the mid-1770s. From the 1930s through the 1970s, several industries using PCBs operated in the Neponset River Basin. In 1955, major flooding occurred within the river basin and across southern New England. To control flooding and increase recreational use of the basin, the Metropolitan District Commission, which merged into the Department of Conservation and Recreation, dredged the Neponset River to deepen the channel in 1962 and 1964. Dredge spoils from the Neponset River were subsequently placed in several locations along the banks adjacent to the river. It was suspected that these spoils may contain elevated concentrations of polychlorinated biphenyls (PCBs).

The Massachusetts Department of Environmental Protection (MassDEP) has identified fourteen areas where the dredge spoils were placed along the banks of the Neponset River. The Riverside Square PCB Site is one of these areas. Reportedly, approximately 17,800 cubic yards of dredged spoils were placed along this section of the river.

In 2002, the U.S. Army Corps of Engineers conducted a study in an effort to restore fish passage, habitat, and recreational use of the Neponset River. As part of this study, two sediment cores were collected and analyzed. Analytical results indicated that the bottom sediments contained elevated concentrations of PCBs. The efforts to restore fish passage, habitat, and recreational use raised concerns about sediment, water, and biota quality of the Neponset River; and in 2002 and 2003, the U.S. Geological Survey, in cooperation with the Massachusetts Executive Office of Environmental Affairs Riverways Program and the U.S. EPA (EPA), conducted a study of the lower Neponset River in Boston and Milton. As part of this study, 20 sediment grab (0 to 4 inches below the sediment/water interface), 31 sediment core (5 to 50 inches below the sediment/water interface), and 12 surface water samples were collected and submitted for inorganics (metals), polycyclic aromatic hydrocarbons (PAHs), organochlorine pesticides, and PCB analyses.

According to the U.S. Geological Survey, although enriched relative to background, most constituent concentrations were equal to or less than those found in other urban rivers, with the notable exception of PCBs. Concentrations of PCBs detected in the grab sediment samples ranged from less than 1.4 to 11 parts per million (ppm), and from less than 1 to 225 ppm in the sediment core samples. The PCBs were detected in such high concentrations in the sediment samples that they pose a threat to benthic organisms and may potentially cause human health risks if humans come into contact with the sediment.

In June and October 2010, MassDEP and its contractor, MACTEC (now known as AMEC Environment & Infrastructure, Inc.), collected surface (0 to 1 feet) and subsurface (1 to 15 feet) soil samples from several properties within Spoil Area "A", as outlined in the 2007 Sampling and Analysis Plan, Initial Investigation and Assessment. Analytical results from these samples indicated concentrations of PCBs exceeding state standards. Maximum concentrations of total PCBs detected in these surface and subsurface soil samples were 11.2 milligrams per kilogram (mg/kg) and 98 mg/kg, respectively. Based on the results of the soil samples collected by MassDEP and MACTEC, EPA planned to collect additional surface soil samples to confirm previous results, and to decide if a removal action was warranted.

On 9 June 2011, Weston Solutions, Inc. Superfund Technical Assessment Response Team (START), EPA, and MassDEP personnel conducted an on-site reconnaissance. Site history and previous sampling results were discussed. Perimeter air monitoring conducted with a Multi-RAE (having carbon monoxide, volatile organic compounds, hydrogen sulfide, oxygen, and lower explosive limit detectors) and Micro-R (radiation) meter indicated no levels above background.

On 19 and 20 July 2011, START collected 30 grab subsurface soil samples from six of the eight residential areas. Written access agreements for the remaining two areas (Areas E and G) were not provided in time for the sampling event. Two of the 30 soil samples were duplicate samples collected for quality control. START personnel collected six surface soil samples from Area B (including one field duplicate), nine surface soil samples from Area C, one surface soil sample from Area D, four surface soil samples from Area F, nine surface soil samples from Area H (including one field duplicate), and one surface soil sample from Area I. Samples were submitted to the EPA New England Regional Laboratory (NERL) for PCB screening analysis. In addition, the three samples with the highest PCB screening results were selected for confirmatory PCB analysis. PCB screening analytical results received from NERL indicated that PCBs were detected in all the soil samples except one (EPA-33H). Aroclor-1248 and Aroclor-1254 were detected in 27 soil samples. Concentrations of Aroclor-1248 ranged from non-detect to 580 mg/kg (EPA-24C); and concentrations of Aroclor-1254 ranged from non-detect to 13 mg/kg (EPA-25C). Total concentrations of PCBs exceeded the Massachusetts Contingency Plan Method 1 S-1/GW-1 standard of 1 mg/kg in 25 of the soil samples. Concentrations of Aroclor-1248 in the confirmation samples ranged from 13 mg/kg (EPA-30C) to 730 mg/kg (EPA-24C). The concentrations of PCB Aroclor-1248 in all three confirmation samples exceeded the Massachusetts Contingency Plan Method 1 S-1/GW-1 standard of 1 mg/kg.

From 22 through 26 October 2012 and on 1 November 2012, EPA and START personnel mobilized to the site to conduct an Extent-of-Contamination investigation. A 20-foot by 20-foot grid system was established over Areas B and C, and portions of Area D. Eighty-eight (88) sampling (boring) locations were established over the three areas; and soil macro-core tooling, advanced with either the Geoprobe® or a hand-operated pneumatic hammer method, was used to collect soil samples from 0-12-inch, 12-24-inch, and 24-36-inch depth intervals. A total of 275 soil samples (including duplicates) were collected. Analytical results indicated that PCBs were detected in 167 of the 275 soil samples collected. Four PCB aroclors were detected in these samples, including Aroclors 1242, 1248, 1254, and 1260. Aroclors 1262 and 1268 were not detected in any of the samples. Concentrations for Total PCBs ranged from non-detect to 150

mg/kg. Ninety-four samples were found to contain Total PCBs exceeding the Massachusetts Contingency Plan Method 1 Soil Category Standard of 2.0 mg/kg, and 13 samples were found to exceed the Massachusetts Contingency Plan Imminent Hazard value of 10 mg/kg.

On 5 October 2022, MassDEP requested EPA assistance to evaluate the need for a removal action along the northern bank of the Neponset River within the Riverside Square area in Hyde Park. Due to limited state resources, MassDEP requested the assistance of EPA to review the existing information, implement additional assessment to define the nature and extent of soil contamination within this area, and determine if a removal action is warranted.

Site/Sampling Activities

On 1 May 2023, START members Chris Dupree, John Kelly, Bill Mahany, and Liam Trainor mobilized to the site to conduct soil sampling activities. START member Kelly and START personnel conducted the tailgate safety meeting and discussed site hazards. START personnel reviewed the Site Health and Safety Plan, entitled *Weston Solutions, Inc., Region I START V Health and Safety Plan (HASP) for Riverside Square PCB Site*. Following the completion of the safety briefing, START member Kelly prepared the RAE Systems, Inc., MultiRAE multigas meter with oxygen, carbon monoxide, hydrogen cyanide, lower explosive limit, and volatile organic compound sensors. Readings on the instrument were as follows: oxygen = 20.9%, carbon monoxide = 0 ppm, hydrogen cyanide = 0 ppm, lower explosive limit = 0%, and volatile organic compound = 0 ppm. All personnel conducted a site walk, noting the area and characteristics of the terrain. In addition, START personnel began marking sampling locations and creating paths through vegetation to reach all the sampling locations.

On 2 May 2023, START members Bonnie Mace, Kelly, Mahany, and Trainor mobilized to the site to continue marking sample locations.

Between 3 and 5 May 2023, START Core Readiness Team members John Burton, Tara LePage, Mace, Dupree, Kelly, Mahany and Trainor mobilized to the site to continue soil sampling activities. A total of 146 soil samples (including field duplicates) were collected from 90 soil boring locations. The soil samples from each boring were collected from the 0- to 1-foot (A) interval and the 1- to 3-foot (B) interval. START personnel followed the sampling protocols outlined in the Sampling and Analysis Plan (SAP), entitled *Sampling and Analysis Plan for the Riverside Square PCB Site, Boston (Hyde Park), Suffolk County, Massachusetts*. All soil samples were field screened for metals (arsenic, lead, and total chromium) by START personnel using an X-Ray Fluorescence analyzer. All samples were submitted to NERL for field method PCB analysis. In addition, soil samples were selected for confirmatory PCB and metals analyses.

START personnel photo-documented sample locations (see Appendix C, Photo-documentation Log). START member Trainor collected Global Positioning System (GPS) spatial location information for each sample location.

On 31 May 2023, START received the analytical results from NERL for the PCB field screening samples collected in May 2023. On 28 June 2023, START received the analytical results from NERL for the PCB laboratory confirmation samples collected in May 2023.

On 18 July 2023, START members Mace and Dupree mobilized to the site to verify that sample location markings (pin flags) were still in place and replaced any that were missing in preparation for the upcoming sampling activities.

Between 20 and 27 July 2023, START personnel returned to the site to continue surface and subsurface soil sampling. START personnel conducted tailgate health and safety meetings each day to discuss site hazards. A total of 173 soil samples (including field duplicates) were collected from 143 soil boring locations. All soil samples were field screened for metals (arsenic, lead, and total chromium) by START personnel using an X-Ray Fluorescence analyzer. All samples were submitted to NERL for field method PCB analysis. In addition, soil samples were selected for confirmatory PCB and metals analyses.

On 7 and 14 August 2023, START received the analytical results from NERL for the PCB field screening samples collected in July 2023. On 13 September 2023, START received the analytical results from NERL for the PCB laboratory confirmation samples collected in July 2023. On 27 and 28 September 2023, START received the analytical results from NERL for the metals laboratory confirmation samples collected in May and July 2023.

Analytical Data Summaries

Field Screening Results

Total PCBs were detected in 171 of the surface and subsurface soil samples that were field screened for PCBs, ranging from 0.20 to 12.0 mg/kg. In addition, total PCBs were detected in 73 soil samples exceeding the Massachusetts Contingency Plan Method 1 soil standard and in three soil samples exceeding the Massachusetts Contingency Plan Imminent Hazard level of 10 mg/kg (see Appendix A, Figures 3A and 3B; and Appendix B, Table 1.

Arsenic was detected in 230 surface and subsurface soil samples screened with the X-Ray Fluorescence analyzer, ranging from 2.38 mg/kg to 202.47 mg/kg. Chromium was detected in 354 surface and subsurface soil samples screened with the X-Ray Fluorescence analyzer, ranging from 7.12 mg/kg to 355 mg/kg. Lead was detected in 347 surface and subsurface soil samples screened with the X-Ray Fluorescence analyzer, ranging from 17 mg/kg to 2,372 mg/kg. In addition, arsenic was detected in 23 soil samples exceeding the Massachusetts Contingency Plan Method 1 Soil standard and in four soil samples exceeding the EPA Removal Management Level for Residential Soil. Total chromium was detected in 18 soil samples exceeding the Massachusetts Contingency Plan Method 1 Soil standard. Lead was detected in 55 soil samples exceeding the Massachusetts Contingency Plan Method 1 Soil standard and the EPA Removal Management Level for Residential Soil (see Appendix A, Figures 4A and 4B; and Appendix B, Table 2).

Laboratory Analytical Results

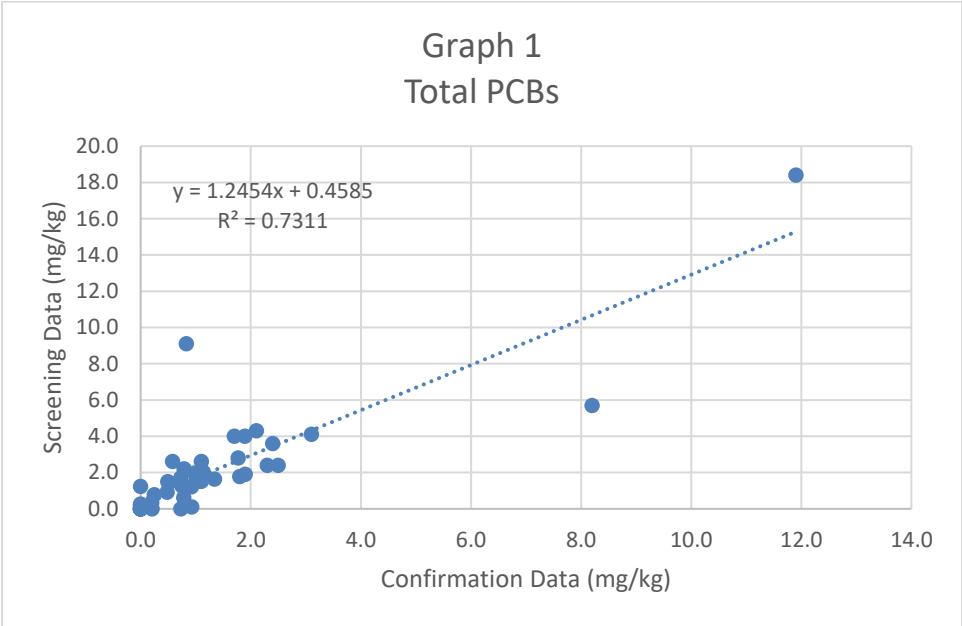
A total of three PCB Aroclors were detected in the soil samples that were submitted for confirmation analysis to NERL, and include the following (maximum concentration in mg/kg, and sample location in parentheses): Aroclor-1248 (6.0 mg/kg in EF-775A); Aroclor-1254 (12 mg/kg

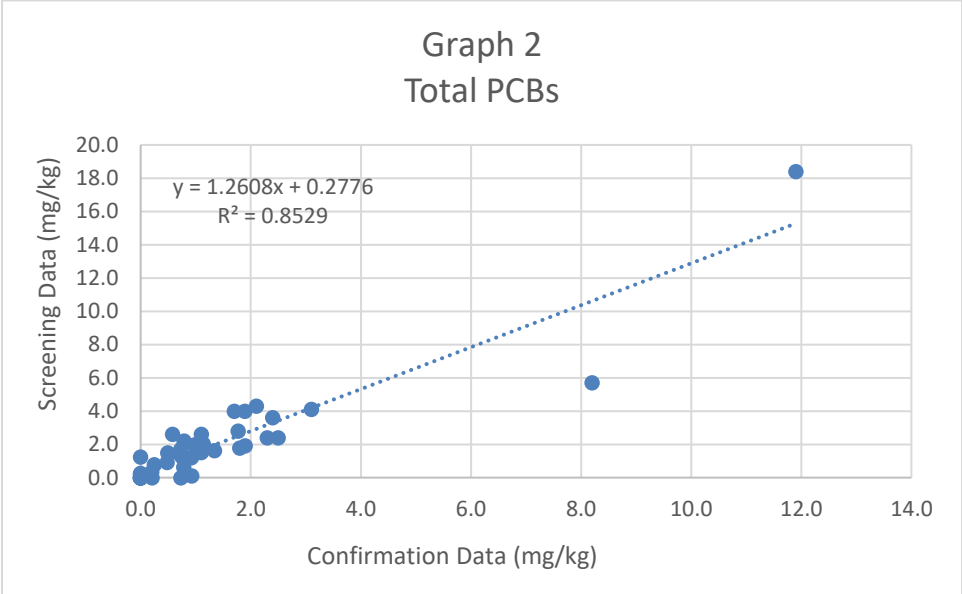
in W-004A); and Aroclor-1260 (6.4 mg/kg in W-004A). Total PCBs were detected above the Massachusetts Contingency Plan Method 1 Soil standard in 29 soil samples, and above the Massachusetts Contingency Plan Imminent Hazard Soil Standard in one soil sample. In addition, one Aroclor (Aroclor-1254) was detected in two soil samples above its respective EPA Removal Management Level for Residential Soil (see Appendix B, Table 3).

Analytical results indicated that 18 metals were detected above the laboratory reporting limits, including the following (maximum concentration, in mg/kg, and sample number in parentheses): silver (1.6 mg/kg in E-775B); aluminum (19,000 mg/kg in C700A and C700B); arsenic (62 mg/kg in EF-775B); barium (1,200 mg/kg in E-775A); beryllium (1.0 mg/kg in E-800A and F-750A); calcium (8,900 mg/kg in B-250B); cadmium (5.2 mg/kg in E-800B); cobalt (9.8 mg/kg in E-775A); chromium (1,200 mg/kg in EF-775B); copper (800 mg/kg in EF-775B); iron (34,000 mg/kg in E-775A); magnesium (4,700 mg/kg in C-700B and B-275B); manganese (740 mg/kg in C-575B); nickel (40 mg/kg in E-775A); lead (1,500 mg/kg in E-800B and EF-775B); antimony (5.4 mg/kg in E-775B); vanadium (130 mg/kg in CC-150A); and zinc (2,000 mg/kg in E-800B). In addition, five metals (arsenic, barium, chromium, lead, and zinc) exceeded the Massachusetts Contingency Plan S-1 standards, and one metal (lead) exceeded the EPA Removal Management Level for Residential Soil standard (see Appendix B, Table 4).

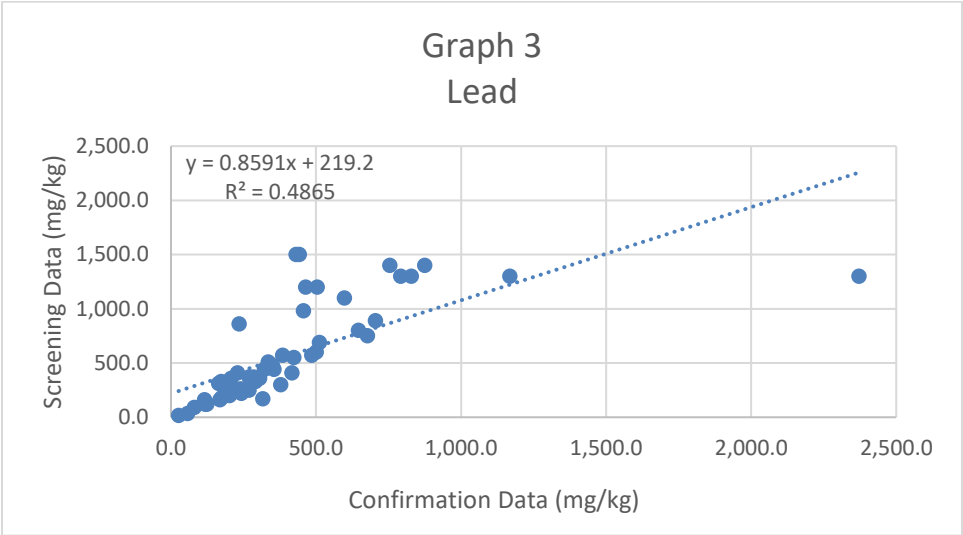
Regression Analysis

A regression analysis for Total PCBs was performed using the 48 data points from the confirmation and screening data. A correlation coefficient (R^2) of 0.7311 was obtained during this analysis, indicating a good correlation between the two sets of data. Since one data point in the below regression analysis plotted far outside the range of all the other points, a regression analysis was run without using that point. The resulting plot showed an R^2 of 0.8529 obtained during this analysis, indicating a very good correlation between the combined sets of data. Refer to Appendix B, Table 5, *Summary of Polychlorinated Biphenyl Confirmation Laboratory Data Versus Laboratory Screening Data* and the graphs (Graph 1 and Graph 2) below for this evaluation.





In addition, a regression analysis for lead was performed using the 55 data points from the confirmation and screening data. A correlation coefficient (R^2) of 0.4865 was obtained during this analysis, indicating a fair correlation between the two sets of data. Refer to Appendix B, Table 6, *Summary of Metals Confirmation Laboratory Data Versus XRF Field Screening Data* and the graph below (Graph 3) for this evaluation. The fair correlation may have been the result of sample matrix effects including particle size, uniformity, homogeneity, and moisture content.


Graph 3
Lead
y = 0.8591x + 219.2
R² = 0.4865
Screening Data (mg/kg)
2,500.0
2,000.0
1,500.0
1,000.0
500.0
0.0
0.0
500.0
1,000.0
1,500.0
2,000.0
2,500.0
Confirmation Data (mg/kg)

ADDITIONAL BACKGROUND INFORMATION

The following documents provide further historical context and information relevant to the lower Neponset River and to the Riverside Square PCB Site.

[1] Breault, R.F., Cooke, M.G., and Merrill, Michael, 2004, Sediment quality and polychlorinated biphenyls in the lower Neponset River, Massachusetts, and implications for urban river restoration: U.S. Geological Survey Scientific Investigations Report 2004-5109. Available from https://pubs.usgs.gov/sir/2004/5109/pdf/SIR2004_5109.pdf

[2] MACTEC Engineering & Consulting, Inc. 4 December 2007. Sampling and Analysis Plan Initial Investigation and Assessment, Neponset River Dredge Spoils, Milton & Boston, Massachusetts. Available from https://www.mass.gov/doc/neponset-river-dredge-spoils-sampling-and-analysis-site-plan-text-and-tables/download

[3] MACTEC Engineering & Consulting, Inc. 16 January 2022 and 18 January 2023. Maps and Analytical Summary Tables of Polychlorinated Biphenyl Results. Neponset River Dredge Spoils, Boston, Massachusetts. Prepared for MassDEP. 10 January. Available from https://eeaonline.eea.state.ma.us/portal/dep/wastesite/viewer/3-0037805

[4] Weston Solutions, Inc. November 2011. Removal Program Preliminary Assessment/Site Investigation Report for the Riverside Square PCB Site. Available from https://response.epa.gov/sites/15704/files/2011%20EPA%20PASI.pdf

[5] Weston Solutions, Inc. May 2013. Removal Program Extent of Contamination Report for the Riverside Square PCB Site. Available from https://response.epa.gov/sites/15704/files/2013%20Extent%20of%20Contamination%20Report.pdf

[6] Massachusetts Department of Environmental Protection (MassDEP). 5 October 2022. Letter to EPA Emergency Response and Removal Section I, Chief Ted Bazenas, RE: Hyde Park, Riverside Square Area, Request for EPA Assistance. Available from https://eeaonline.eea.state.ma.us/portal/dep/wastesite/docviewer/hdfdhebe

III. Appendices

Appendix A

Figures

Figure 1

Site Location Map

Riverside Square PCB Site
Riverside Square Area
Boston, Massachusetts

EPA Region I
Superfund Technical Assessment and Response Team (START) V
Contract No. 68HE0120D0001

AD Number:	TOFP-01-22-03-0001
Created by:	T. Evans
Created on:	24 March 2022
Modified by:	B. Mace
Modified on:	28 May 2024

Data Sources:
Topos: MicroPath/USGS/USA Topo Maps
Quadrangle Name: Boston South, MA
All other data: START

E:\MA_gis\22030001_Riverside-RS-GIS\MXDs\0134_Riverside Sq_Figure 1.mxd

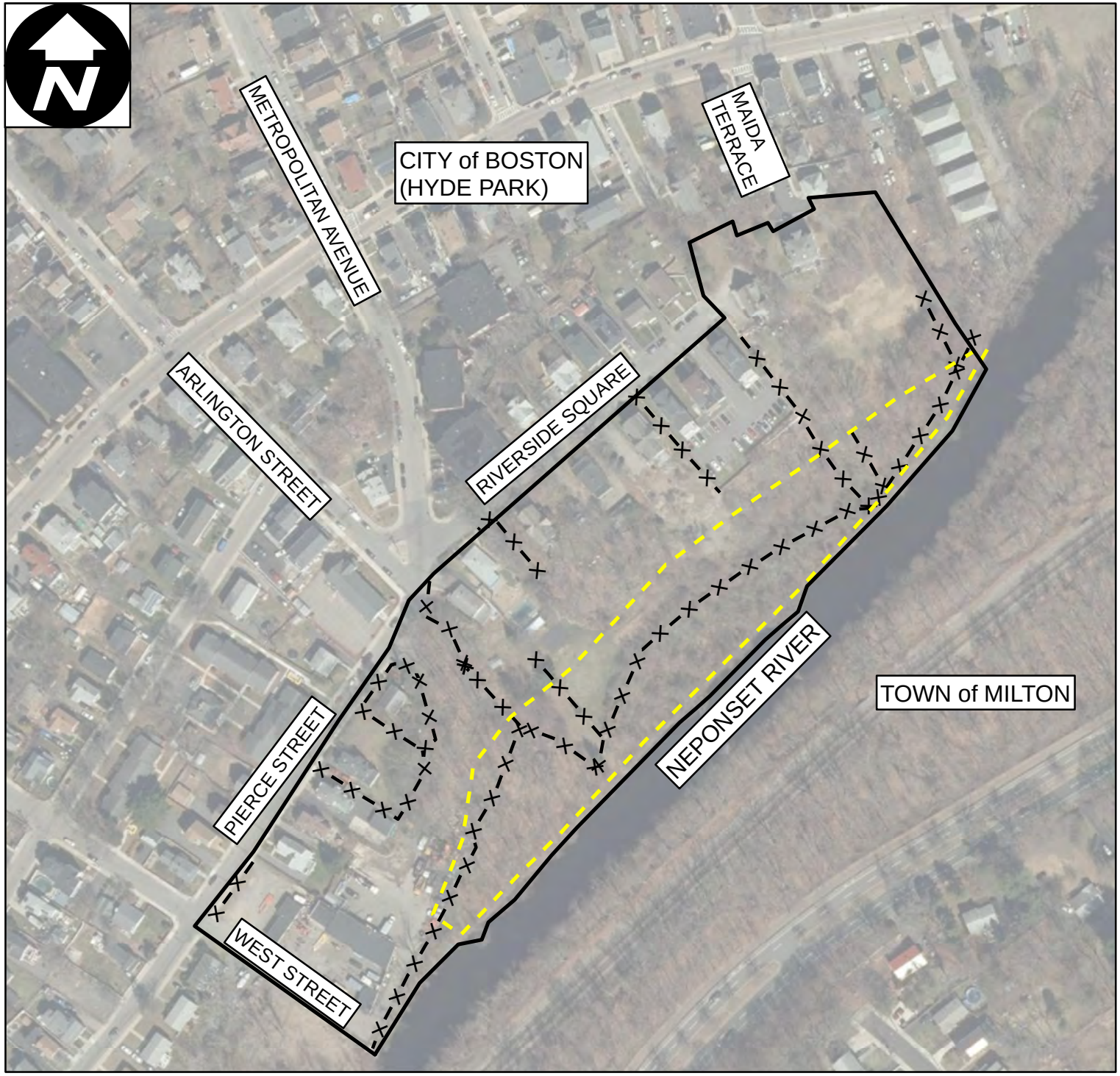


Figure 2

Site Diagram

Riverside Square PCB Site
Riverside Square Area
Boston, Massachusetts

EPA Region I
Superfund Technical Assessment and Response Team (START) V
Contract No. 68HE0120D0001

AD Number:	TOFP-01-22-03-0001
Created by:	B. Mace
Created on:	1 April 2022
Modified by:	B. Mace
Modified on:	13 June 2024

LEGEND

- Approximate Site Boundary
- Approximate Dredged Spoil Area
- Fence

0 150 300

Feet

Data Sources:
Imagery: Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community
Topos: MicroPath
All other data: MassGIS, START

WESTON SOLUTIONS
Restoring Resource Efficiency

E:\MA_GIS\22030001_Riverside-RS-GIS\MXDs\0134_Riverside Sq_Figure 2_Rev2.mxd

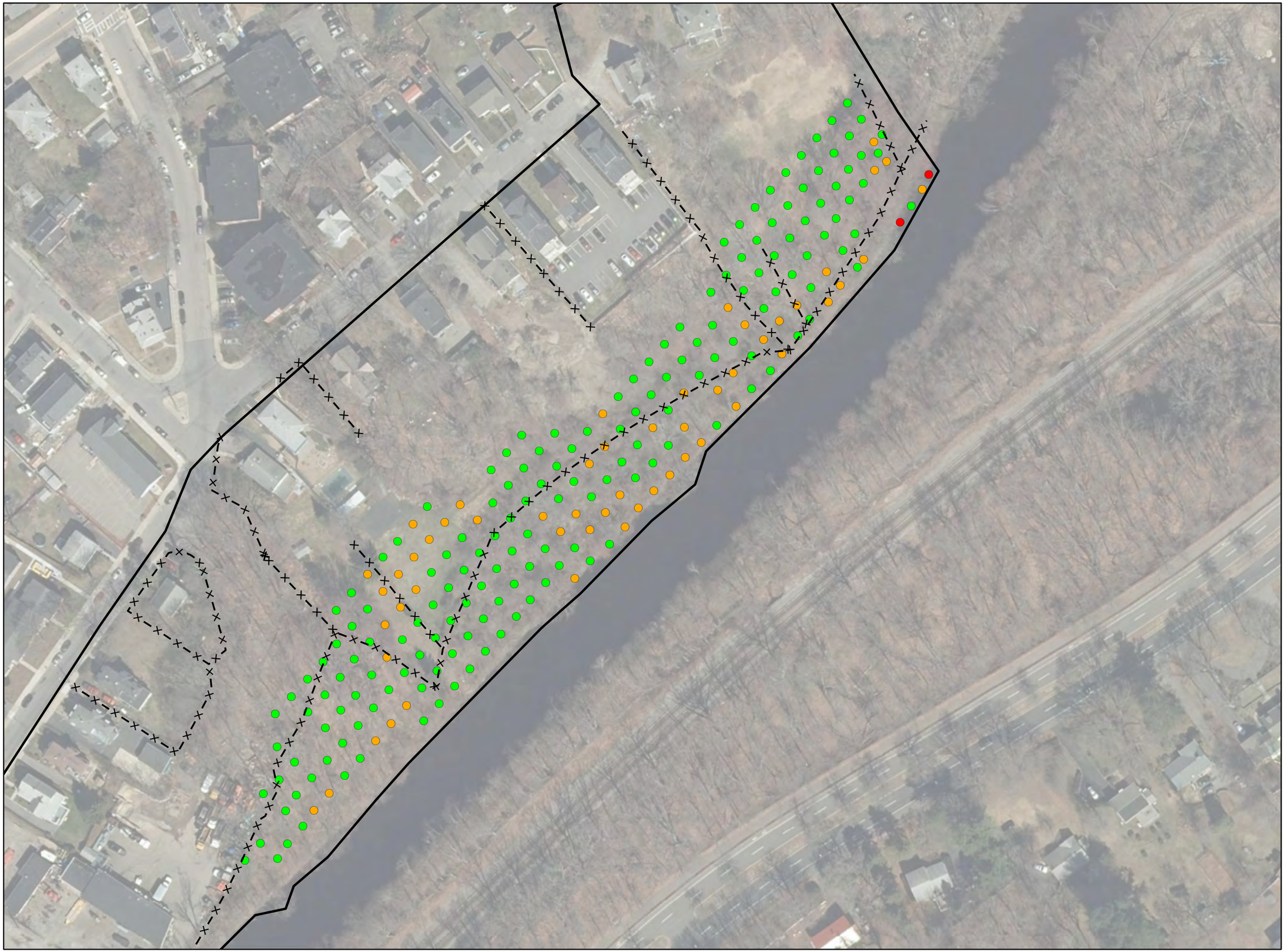


Figure 3A

Soil Sample Location and Screening Method Results Map PCBs (0-1 foot)

Riverside Square PCB Site
Riverside Square Area
Boston, Massachusetts

EPA Region I
Superfund Technical Assessment and Response Team (START) V
Contract No. 68HE0120D0001

AD Number:	TOFP-01-22-03-0001
Created by:	B. Mace
Created on:	1 April 2022
Modified by:	B. Mace
Modified on:	13 June 2024

LEGEND

- Approximate Site Boundary
- Fence
- < 1 mg/Kg
- > 1 <10 mg/Kg
- > 10 mg/Kg

PCBs = Total Polychlorinated Biphenyls
mg/Kg = milligrams per Kilogram

0 50 100 150 200
Feet

Data Sources:

Imagery: ESRI, i-cubed, USDA FSA, USGS AEX, GeoEye, Getmapping, Aerogrid, IGP
Topos: USA TopoMaps
All other data: START

E:\MA_GIS\22030001_Riverside-RS-GIS\MXDs\0134_Riverside Sq_Figure 3A.mxd

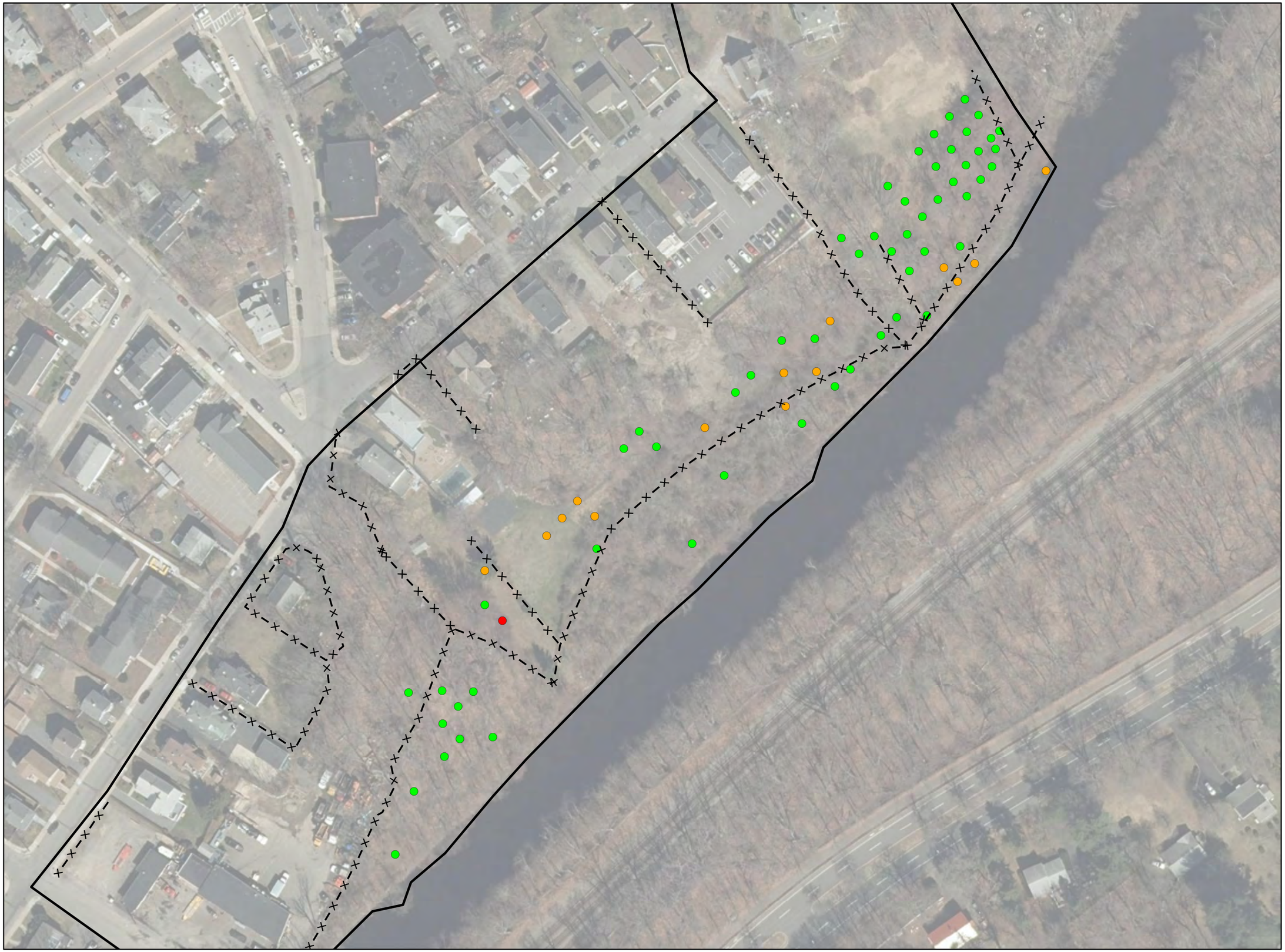


Figure 3B

Soil Sample Location and Screening Method Results Map PCBs (1-3 foot)

Riverside Square PCB Site
Riverside Square Area
Boston, Massachusetts

EPA Region I
Superfund Technical Assessment and Response Team (START) V
Contract No. 68HE0120D0001

AD Number:	TOFP-01-22-03-0001
Created by:	B. Mace
Created on:	1 April 2022
Modified by:	B. Mace
Modified on:	13 June 2024

LEGEND

- Approximate Site Boundary
- Fence
- PCBs < 1 mg/Kg
- PCBs > 1 < 10 mg/Kg
- PCBs > 10 mg/Kg

PCBs = Total Polychlorinated biphenyls
mg/Kg = milligrams per Kilogram

0 50 100 150 200
Feet

Data Sources:

Imagery: ESRI, i-cubed, USDA FSA, USGS AEX, GeoEye, Getmapping, Aerogrid, IGP
Topos: USA TopoMaps
All other data: START

E:\MA_GIS\22030001_Riverside-RS-GIS\MXDs\0134_Riverside Sq_Figure 3B.mxd

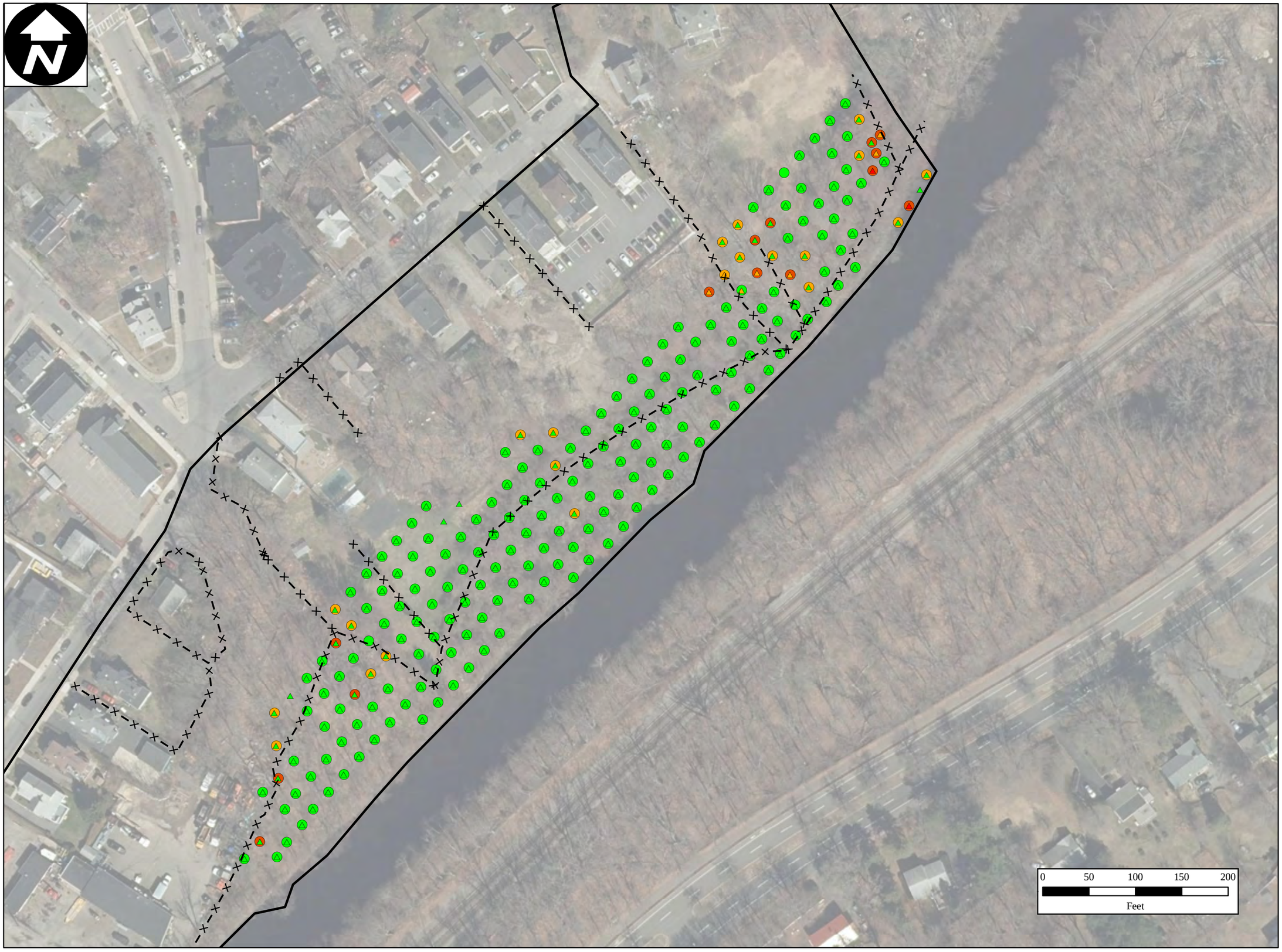


Figure 4A

Soil Sample Location and XRF Field Screening Results Map Metals (0-1 foot)

Riverside Square PCB Site
Riverside Square Area
Boston, Massachusetts

EPA Region I
Superfund Technical Assessment and Response Team (START) V
Contract No. 68HE0120D0001

AD Number:	TOFP-01-22-03-0001
Created by:	B. Mace
Created on:	1 April 2022
Modified by:	B. Mace
Modified on:	13 June 2024

LEGEND

Approximate Site Boundary

Fence

Total Chromium Results

- <100 mg/kg
- > 100 mg/kg < 200 mg/kg
- >200 mg/kg

Lead Results

- < 200 mg/kg
- >200 < 400 mg/kg
- > 400 mg/kg

XRF = X-Ray Fluorescence
mg/Kg = milligrams per Kilogram

Data Sources:

Imagery: ESRI, i-cubed, USDA FSA, USGS AEX, GeoEye, Getmapping, Aerogrid, IGP
Topos: USA TopoMaps
All other data: START

E:\MA_GIS\22030001_Riverside-RS-GIS\MXDs\0134_Riverside Sq_Figure 4A.mxd

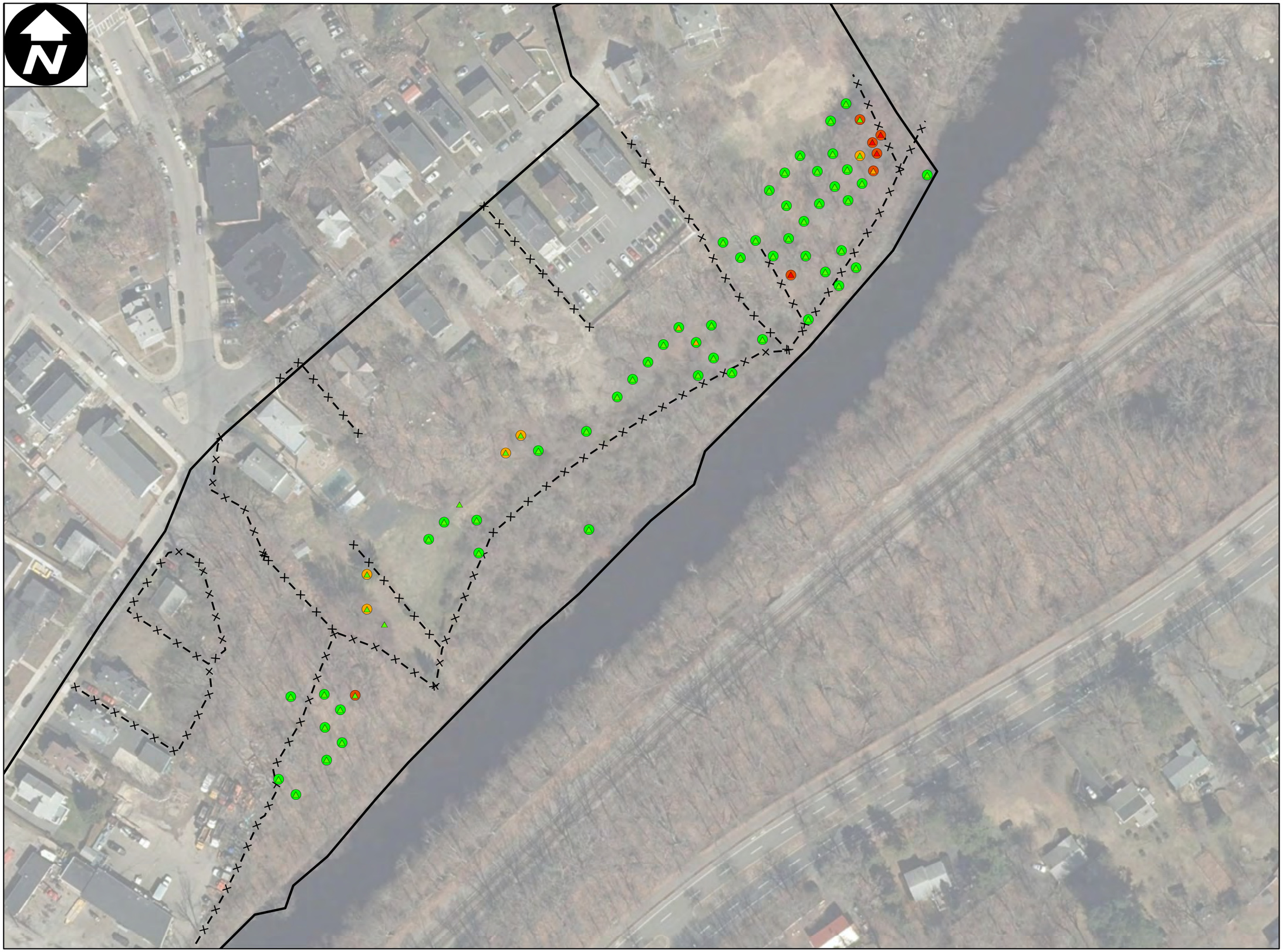


Figure 4B

Soil Sample Location and XRF Field Screening Results Map Metals (1-3 foot)

Riverside Square PCB Site
Riverside Square Area
Boston, Massachusetts

EPA Region I
Superfund Technical Assessment and Response Team (START) V
Contract No. 68HE0120D0001

AD Number:	TOFP-01-22-03-0001
Created by:	B. Mace
Created on:	1 April 2022
Modified by:	B. Mace
Modified on:	13 June 2024

LEGEND

Approximate Site Boundary

Fence

Total Chromium Results

- <100 mg/kg
- >100 mg/kg <200 mg/kg
- >200 mg/kg

Lead Results

- < 200 mg/kg
- >200 < 400 mg/kg
- > 400 mg/kg

mg/Kg = milligrams per Kilogram

0 50 100 150 200
Feet

Data Sources:

Imagery: ESRI, i-cubed, USDA FSA, USGS AEX, GeoEye, Getmapping, Aerogrid, IGP
Topos: USA TopoMaps
All other data: START

E:\MA_GIS\22030001_Riverside-RS-GIS\MXDs\0134_Riverside Sq_Figure 4B.mxd

Appendix B

Tables

TABLE 1
SUMMARY OF PCB SOIL SCREENING RESULTS
RIVERSIDE SQUARE PCB SITE
BOSTON (HYDE PARK), MASSACHUSETTS

Sample Location	Sample Number	Laboratory Sample Number	Total PCBs Result (mg/kg)
		MCP Method-1 S-1 Soil Standard	**1**
		MCP IH Soil Standard	**10**
		EPA RML - Residential (Aroclor-1248)	**23**
A-025 A	S50134MA-0001	AC05789	ND
A-050 A	S50134MA-0002	AC05790	1.70
A-050 B	S50134MA-0003	AC05791	1.10
A-075 A	S50134MA-0004	AC05792	ND
A-100 A	S50134MA-0005	AC05793	ND
A-125 A	S50134MA-0006	AC05794	1.70
A-150 A	S50134MA-0007	AC05795	0.74
AA-000 A	S50134MA-0431	AC07786	ND
AA-025 A	S50134MA-0410	AC07787	ND
AA-050 A	S50134MA-0412	AC07788	ND
AA-075 A	S50134MA-0374	AC07789	ND
AA-100 A	S50134MA-0008	AC05796	ND
AA-100 B	S50134MA-0009	AC05797	ND
AA-100 D	S50134MA-0143	AC05848	0.93
B-000 A	S50134MA-0340	AC07790	ND
B-025 A	S50134MA-0010	AC05798	0.26
B-025 B	S50134MA-0011	AC05799	0.22
B-050 A	S50134MA-0012	AC05800	2.80
B-075 A	S50134MA-0013	AC05801	1.90
B-100 A	S50134MA-0014	AC05802	5.90
B-125 A	S50134MA-0015	AC05803	2.00
B-125 B	S50134MA-0016	AC05804	4.20
B-150 A	S50134MA-0017	AC05805	5.20
B-150 B	S50134MA-0018	AC05806	2.10
B-175 A	S50134MA-0019	AC05807	1.00
B-175 B	S50134MA-0020	AC05808	1.80
B-250 A	S50134MA-0380	AC07791	ND
B-250 B	S50134MA-0383	AC07792	ND
B-275 A	S50134MA-0377	AC07793	ND

NOTES:

All samples analyzed by the EPA Laboratory Services and Applied Sciences Division (LSASD).

mg/kg = milligrams per kilogram.

PCB = Polychlorinated biphenyl.

ND = Not detected above the laboratory reporting limit.

A Interval = 0-1 feet.

B Interval = 1-3 feet.

MCP Method-1 S-1 Soil Standard = Massachusetts Contingency Plan Method 1 S-1 Soil Standard.

MCP IH Soil Standard = Massachusetts Contingency Plan Imminent Hazard Soil Standard.

EPA RML - Residential = EPA Regional Management Level for Residential Soil, HQ=3.

Sample results highlighted in YELLOW exceed the MCP Method 1 S-1 Soil Standard.

Sample results highlighted in ORANGE exceed the MCP IH Soil Standard.

Sample results highlighted in RED exceed the EPA RML - Residential.

TABLE 1
SUMMARY OF PCB SOIL SCREENING RESULTS
RIVERSIDE SQUARE PCB SITE
BOSTON (HYDE PARK), MASSACHUSETTS

Sample Location	Sample Number	Laboratory Sample Number	Total PCBs Result (mg/kg)
		MCP Method-1 S-1 Soil Standard	**1**
		MCP IH Soil Standard	**10**
		EPA RML - Residential (Aroclor-1248)	**23**
B-275 B	S50134MA-0378	AC07794	ND
B-275 D	S50134MA-0436	AC07795	0.43
BB-025 A	S50134MA-0353	AC07796	ND
BB-050 A	S50134MA-0365	AC07797	ND
BB-075 A	S50134MA-0349	AC07798	ND
BB-100 A	S50134MA-0021	AC05809	ND
BB-100 B	S50134MA-0022	AC05810	ND
BB-125 A	S50134MA-0372	AC07799	ND
C-000 A	S50134MA-0332	AC07800	ND
C-025 A	S50134MA-0023	AC05811	5.90
C-025 B	S50134MA-0024	AC05812	11.00
C-050 A	S50134MA-0025	AC05813	3.50
C-050 D	S50134MA-0144	AC05849	ND
C-075 A	S50134MA-0026	AC05814	7.40
C-100 A	S50134MA-0027	AC05815	0.82
C-125 A	S50134MA-0028	AC05816	0.27
C-150 A	S50134MA-0029	AC05817	0.28
C-175 A	S50134MA-0030	AC05818	1.10
C-175 B	S50134MA-0031	AC05819	1.40
C-200 A	S50134MA-0032	AC05820	0.73
C-225 A	S50134MA-0386	AC07801	0.94
C-250 A	S50134MA-0425	AC07802	0.86
C-275 A	S50134MA-0397	AC07803	ND
C-275 B	S50134MA-0399	AC07804	ND
C-300 A	S50134MA-0400	AC07805	ND
C-575 A	S50134MA-0033	AC05701	ND
C-575 B	S50134MA-0034	AC05702	ND
C-600 A	S50134MA-0035	AC05703	ND
C-625 A	S50134MA-0036	AC05704	ND

NOTES:

All samples analyzed by the EPA Laboratory Services and Applied Sciences Division (LSASD).

mg/kg = milligrams per kilogram.

PCB = Polychlorinated biphenyl.

ND = Not detected above the laboratory reporting limit.

A Interval = 0-1 feet.

B Interval = 1-3 feet.

MCP Method-1 S-1 Soil Standard = Massachusetts Contingency Plan Method 1 S-1 Soil Standard.

MCP IH Soil Standard = Massachusetts Contingency Plan Imminent Hazard Soil Standard.

EPA RML - Residential = EPA Regional Management Level for Residential Soil, HQ=3.

Sample results highlighted in YELLOW exceed the MCP Method 1 S-1 Soil Standard.

Sample results highlighted in ORANGE exceed the MCP IH Soil Standard.

Sample results highlighted in RED exceed the EPA RML - Residential.

TABLE 1
SUMMARY OF PCB SOIL SCREENING RESULTS
RIVERSIDE SQUARE PCB SITE
BOSTON (HYDE PARK), MASSACHUSETTS

Sample Location	Sample Number	Laboratory Sample Number	Total PCBs Result (mg/kg)
		MCP Method-1 S-1 Soil Standard	**1**
		MCP IH Soil Standard	**10**
		EPA RML - Residential (Aroclor-1248)	**23**
C-650 A	S50134MA-0037	AC05705	ND
C-650 B	S50134MA-0038	AC05706	ND
C-675 A	S50134MA-0039	AC05707	ND
C-675 B	S50134MA-0040	AC05708	ND
C-700 A	S50134MA-0041	AC05709	ND
C-700 B	S50134MA-0042	AC05710	ND
C-725 A	S50134MA-0043	AC05711	ND
C-725 B	S50134MA-0044	AC05712	ND
C-750 A	S50134MA-0045	AC05713	ND
C-750 B	S50134MA-0046	AC05714	ND
C-775 A	S50134MA-0047	AC05715	ND
C-775 B	S50134MA-0048	AC05716	ND
CC-025 A	S50134MA-0345	AC07806	ND
CC-050 A	S50134MA-0355	AC07807	ND
CC-075 A	S50134MA-0350	AC07808	ND
CC-075 B	S50134MA-0358	AC07809	ND
CC-100 A	S50134MA-0049	AC05821	ND
CC-150 A	S50134MA-0368	AC07810	ND
D-000 A	S50134MA-0326	AC07811	3.90
D-025 A	S50134MA-0050	AC05822	ND
D-050 A	S50134MA-0051	AC05823	ND
D-075 A	S50134MA-0052	AC05824	ND
D-100 A	S50134MA-0053	AC05825	ND
D-125 A	S50134MA-0054	AC05826	ND
D-150 A	S50134MA-0055	AC05827	ND
D-150 B	S50134MA-0056	AC05828	ND
D-175 A	S50134MA-0366	AC07812	0.21
D-200 A	S50134MA-0398	AC07813	0.52
D-225 A	S50134MA-0389	AC07814	0.36

NOTES:

All samples analyzed by the EPA Laboratory Services and Applied Sciences Division (LSASD).

mg/kg = milligrams per kilogram.

PCB = Polychlorinated biphenyl.

ND = Not detected above the laboratory reporting limit.

A Interval = 0-1 feet.

B Interval = 1-3 feet.

MCP Method-1 S-1 Soil Standard = Massachusetts Contingency Plan Method 1 S-1 Soil Standard.

MCP IH Soil Standard = Massachusetts Contingency Plan Imminent Hazard Soil Standard.

EPA RML - Residential = EPA Regional Management Level for Residential Soil, HQ=3.

Sample results highlighted in YELLOW exceed the MCP Method 1 S-1 Soil Standard.

Sample results highlighted in ORANGE exceed the MCP IH Soil Standard.

Sample results highlighted in RED exceed the EPA RML - Residential.

TABLE 1
SUMMARY OF PCB SOIL SCREENING RESULTS
RIVERSIDE SQUARE PCB SITE
BOSTON (HYDE PARK), MASSACHUSETTS

Sample Location	Sample Number	Laboratory Sample Number	Total PCBs Result (mg/kg)
		MCP Method-1 S-1 Soil Standard	**1**
		MCP IH Soil Standard	**10**
		EPA RML - Residential (Aroclor-1248)	**23**
D-250 A	S50134MA-0376	AC07815	0.73
D-275 A	S50134MA-0387	AC07816	0.46
D-300 A	S50134MA-0396	AC07817	0.49
D-325 A	S50134MA-0382	AC07818	0.72
D-325 B	S50134MA-0384	AC07819	2.80
D-350 A	S50134MA-0390	AC07820	1.00
D-375 A	S50134MA-0391	AC07821	ND
D-375 B	S50134MA-0394	AC07822	ND
D-400 A	S50134MA-0392	AC07823	ND
D-400 B	S50134MA-0395	AC07824	ND
D-425 A	S50134MA-0151	AC07825	ND
D-450 A	S50134MA-0152	AC07826	ND
D-450 B	S50134MA-0153	AC07827	0.27
D-475 A	S50134MA-0417	AC07828	0.51
D-525 A	S50134MA-0154	AC07829	0.58
D-550 A	S50134MA-0434	AC07830	0.78
D-575 A	S50134MA-0057	AC05717	ND
D-575 B	S50134MA-0058	AC05718	ND
D-600 A	S50134MA-0059	AC05719	ND
D-600 B	S50134MA-0060	AC05720	ND
D-625 A	S50134MA-0061	AC05721	ND
D-650 A	S50134MA-0062	AC05722	ND
D-650 B	S50134MA-0063	AC05723	ND
D-675 A	S50134MA-0064	AC05724	ND
D-700 A	S50134MA-0065	AC05725	ND
D-700 B	S50134MA-0066	AC05726	ND
D-725 A	S50134MA-0067	AC05727	ND
D-725 B	S50134MA-0068	AC05728	ND
D-725 D	S50134MA-0145	AC05784	ND

NOTES:

All samples analyzed by the EPA Laboratory Services and Applied Sciences Division (LSASD).

mg/kg = milligrams per kilogram.

PCB = Polychlorinated biphenyl.

ND = Not detected above the laboratory reporting limit.

A Interval = 0-1 feet.

B Interval = 1-3 feet.

MCP Method-1 S-1 Soil Standard = Massachusetts Contingency Plan Method 1 S-1 Soil Standard.

MCP IH Soil Standard = Massachusetts Contingency Plan Imminent Hazard Soil Standard.

EPA RML - Residential = EPA Regional Management Level for Residential Soil, HQ=3.

Sample results highlighted in YELLOW exceed the MCP Method 1 S-1 Soil Standard.

Sample results highlighted in ORANGE exceed the MCP IH Soil Standard.

Sample results highlighted in RED exceed the EPA RML - Residential.

TABLE 1
SUMMARY OF PCB SOIL SCREENING RESULTS
RIVERSIDE SQUARE PCB SITE
BOSTON (HYDE PARK), MASSACHUSETTS

Sample Location	Sample Number	Laboratory Sample Number	Total PCBs Result (mg/kg)
		MCP Method-1 S-1 Soil Standard	**1**
		MCP IH Soil Standard	**10**
		EPA RML - Residential (Aroclor-1248)	**23**
D-750 A	S50134MA-0069	AC05729	ND
D-750 B	S50134MA-0070	AC05730	ND
D-775 A	S50134MA-0071	AC05731	ND
D-775 B	S50134MA-0072	AC05732	ND
DD-025 A	S50134MA-0435	AC07831	ND
DD-050 A	S50134MA-0073	AC05829	ND
DD-050 B	S50134MA-0074	AC05830	ND
DD-075 A	S50134MA-0075	AC05831	ND
DD-075 B	S50134MA-0076	AC05832	ND
DD-100 A	S50134MA-0077	AC05833	ND
DD-100 B	S50134MA-0078	AC05834	ND
DD-150 A	S50134MA-0371	AC07832	ND
DD-175 A	S50134MA-0367	AC07833	ND
DD-200 A	S50134MA-0426	AC07834	ND
E-000 A	S50134MA-0325	AC07835	0.92
E-025 A	S50134MA-0079	AC05835	ND
E-050 A	S50134MA-0080	AC05836	ND
E-075 A	S50134MA-0081	AC05837	ND
E-100 A	S50134MA-0321	AC07836	0.98
E-125 A	S50134MA-0311	AC07837	0.77
E-150 A	S50134MA-0300	AC07838	0.20
E-175 A	S50134MA-0430	AC07839	0.23
E-200 A	S50134MA-0285	AC07840	0.41
E-225 A	S50134MA-0279	AC07841	1.34
E-250 A	S50134MA-0177	AC07842	0.63
E-275 A	S50134MA-0275	AC07843	0.31
E-300 A	S50134MA-0381	AC07950	4.00
E-325 A	S50134MA-0385	AC07844	1.11
E-350 A	S50134MA-0388	AC07845	0.39

NOTES:

All samples analyzed by the EPA Laboratory Services and Applied Sciences Division (LSASD).

mg/kg = milligrams per kilogram.

PCB = Polychlorinated biphenyl.

ND = Not detected above the laboratory reporting limit.

A Interval = 0-1 feet.

B Interval = 1-3 feet.

MCP Method-1 S-1 Soil Standard = Massachusetts Contingency Plan Method 1 S-1 Soil Standard.

MCP IH Soil Standard = Massachusetts Contingency Plan Imminent Hazard Soil Standard.

EPA RML - Residential = EPA Regional Management Level for Residential Soil, HQ=3.

Sample results highlighted in YELLOW exceed the MCP Method 1 S-1 Soil Standard.

Sample results highlighted in ORANGE exceed the MCP IH Soil Standard.

Sample results highlighted in RED exceed the EPA RML - Residential.

TABLE 1
SUMMARY OF PCB SOIL SCREENING RESULTS
RIVERSIDE SQUARE PCB SITE
BOSTON (HYDE PARK), MASSACHUSETTS

Sample Location	Sample Number	Laboratory Sample Number	Total PCBs Result (mg/kg)
		MCP Method-1 S-1 Soil Standard	**1**
		MCP IH Soil Standard	**10**
		EPA RML - Residential (Aroclor-1248)	**23**
E-375 A	S50134MA-0393	AC07846	0.27
E-400 A	S50134MA-0155	AC07847	0.34
E-425 A	S50134MA-0156	AC07848	0.37
E-425 B	S50134MA-0157	AC07849	1.90
E-450 A	S50134MA-0158	AC07850	0.60
E-475 A	S50134MA-0159	AC07851	0.25
E-475 B	S50134MA-0160	AC07852	0.78
E-500 A	S50134MA-0161	AC07853	0.99
E-500 B	S50134MA-0162	AC07854	1.00
E-525 A	S50134MA-0432	AC07855	1.10
E-550 A	S50134MA-0163	AC07856	0.51
E-575 A	S50134MA-0082	AC05733	ND
E-600 A	S50134MA-0083	AC05734	ND
E-600 B	S50134MA-0084	AC05735	ND
E-625 A	S50134MA-0085	AC05736	ND
E-625 B	S50134MA-0086	AC05737	ND
E-650 A	S50134MA-0087	AC05738	ND
E-650 B	S50134MA-0088	AC05739	ND
E-675 A	S50134MA-0089	AC05740	0.20
E-675 B	S50134MA-0090	AC05741	ND
E-700 A	S50134MA-0091	AC05742	ND
E-700 B	S50134MA-0092	AC05743	ND
E-725 A	S50134MA-0093	AC05744	ND
E-725 B	S50134MA-0094	AC05745	ND
E-750 A	S50134MA-0095	AC05746	ND
E-750 B	S50134MA-0096	AC05747	ND
E-775 A	S50134MA-0097	AC05748	5.10
E-775 B	S50134MA-0098	AC05749	0.27
E-775 D	S50134MA-0147	AC05785	0.46

NOTES:

All samples analyzed by the EPA Laboratory Services and Applied Sciences Division (LSASD).

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PCB = Polychlorinated biphenyl.

ND = Not detected above the laboratory reporting limit.

A Interval = 0-1 feet.

B Interval = 1-3 feet.

MCP Method-1 S-1 Soil Standard = Massachusetts Contingency Plan Method 1 S-1 Soil Standard.

MCP IH Soil Standard = Massachusetts Contingency Plan Imminent Hazard Soil Standard.

EPA RML - Residential = EPA Regional Management Level for Residential Soil, HQ=3.

Sample results highlighted in YELLOW exceed the MCP Method 1 S-1 Soil Standard.

Sample results highlighted in ORANGE exceed the MCP IH Soil Standard.

Sample results highlighted in RED exceed the EPA RML - Residential.

TABLE 1
SUMMARY OF PCB SOIL SCREENING RESULTS
RIVERSIDE SQUARE PCB SITE
BOSTON (HYDE PARK), MASSACHUSETTS

Sample Location	Sample Number	Laboratory Sample Number	Total PCBs Result (mg/kg)
		MCP Method-1 S-1 Soil Standard	**1**
		MCP IH Soil Standard	**10**
		EPA RML - Residential (Aroclor-1248)	**23**
E-800 A	S50134MA-0099	AC05750	0.80
E-800 B	S50134MA-0100	AC05751	ND
EE-025 A	S50134MA-0336	AC07857	0.49
EE-050 A	S50134MA-0338	AC07858	ND
EE-075 A	S50134MA-0347	AC07859	ND
EE-100 A	S50134MA-0101	AC05838	ND
EE-100 B	S50134MA-0102	AC05839	ND
EE-125 A	S50134MA-0103	AC05840	ND
EE-125 B	S50134MA-0104	AC05841	ND
EE-125 D	S50134MA-0146	AC05850	ND
EE-150 A	S50134MA-0360	AC07860	ND
EE-175 A	S50134MA-0357	AC07861	ND
EE-175 B	S50134MA-0362	AC07862	ND
EE-200 A	S50134MA-0413	AC07863	ND
EE-225 D	S50134MA-0437	AC07864	ND
EE-250 A	S50134MA-0404	AC07865	ND
EE-275 A	S50134MA-0408	AC07866	0.37
EF-775 A	S50134MA-0105	AC05752	0.83
EF-775 B	S50134MA-0106	AC05753	ND
F-000 A	S50134MA-0319	AC07867	0.64
F-025 A	S50134MA-0107	AC05842	ND
F-050 A	S50134MA-0317	AC07868	0.24
F-075 A	S50134MA-0308	AC07869	0.20
F-100 A	S50134MA-0313	AC07870	0.79
F-125 A	S50134MA-0302	AC07871	0.51
F-150 A	S50134MA-0295	AC07872	0.24
F-175 A	S50134MA-0293	AC07873	0.56
F-200 A	S50134MA-0428	AC07874	0.26
F-225 A	S50134MA-0289	AC07875	2.30

NOTES:

All samples analyzed by the EPA Laboratory Services and Applied Sciences Division (LSASD).

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B Interval = 1-3 feet.

MCP Method-1 S-1 Soil Standard = Massachusetts Contingency Plan Method 1 S-1 Soil Standard.

MCP IH Soil Standard = Massachusetts Contingency Plan Imminent Hazard Soil Standard.

EPA RML - Residential = EPA Regional Management Level for Residential Soil, HQ=3.

Sample results highlighted in YELLOW exceed the MCP Method 1 S-1 Soil Standard.

Sample results highlighted in ORANGE exceed the MCP IH Soil Standard.

Sample results highlighted in RED exceed the EPA RML - Residential.

TABLE 1
SUMMARY OF PCB SOIL SCREENING RESULTS
RIVERSIDE SQUARE PCB SITE
BOSTON (HYDE PARK), MASSACHUSETTS

Sample Location	Sample Number	Laboratory Sample Number	Total PCBs Result (mg/kg)
		MCP Method-1 S-1 Soil Standard	**1**
		MCP IH Soil Standard	**10**
		EPA RML - Residential (Aroclor-1248)	**23**
F-250 A	S50134MA-0178	AC07876	3.40
F-275 A	S50134MA-0179	AC07877	0.54
F-300 A	S50134MA-0180	AC07878	0.49
F-300 B	S50134MA-0181	AC07879	0.60
F-325 A	S50134MA-0182	AC07880	0.48
F-350 A	S50134MA-0183	AC07881	0.51
F-375 A	S50134MA-0184	AC07882	1.21
F-400 A	S50134MA-0185	AC07883	0.98
F-400 B	S50134MA-0186	AC07884	1.80
F-425 A	S50134MA-0187	AC07885	1.18
F-450 A	S50134MA-0164	AC07886	0.46
F-450 B	S50134MA-0165	AC07887	5.20
F-475 A	S50134MA-0166	AC07888	0.68
F-500 A	S50134MA-0167	AC07889	0.71
F-525 A	S50134MA-0168	AC07890	1.58
F-550 A	S50134MA-0169	AC07891	0.73
F-575 A	S50134MA-0108	AC05754	0.88
F-600 A	S50134MA-0109	AC05755	ND
F-600 B	S50134MA-0110	AC05756	ND
F-625 A	S50134MA-0111	AC05757	ND
F-625 B	S50134MA-0112	AC05758	ND
F-625 D	S50134MA-0148	AC05786	ND
F-650 A	S50134MA-0113	AC05759	ND
F-675 A	S50134MA-0114	AC05760	ND
F-700 A	S50134MA-0115	AC05761	ND
F-700 B	S50134MA-0116	AC05762	ND
F-725 A	S50134MA-0117	AC05763	ND
F-725 B	S50134MA-0118	AC05764	ND
F-750 A	S50134MA-0119	AC05765	4.40

NOTES:

All samples analyzed by the EPA Laboratory Services and Applied Sciences Division (LSASD).

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MCP Method-1 S-1 Soil Standard = Massachusetts Contingency Plan Method 1 S-1 Soil Standard.

MCP IH Soil Standard = Massachusetts Contingency Plan Imminent Hazard Soil Standard.

EPA RML - Residential = EPA Regional Management Level for Residential Soil, HQ=3.

Sample results highlighted in YELLOW exceed the MCP Method 1 S-1 Soil Standard.

Sample results highlighted in ORANGE exceed the MCP IH Soil Standard.

Sample results highlighted in RED exceed the EPA RML - Residential.

TABLE 1
SUMMARY OF PCB SOIL SCREENING RESULTS
RIVERSIDE SQUARE PCB SITE
BOSTON (HYDE PARK), MASSACHUSETTS

Sample Location	Sample Number	Laboratory Sample Number	Total PCBs Result (mg/kg)
		MCP Method-1 S-1 Soil Standard	**1**
		MCP IH Soil Standard	**10**
		EPA RML - Residential (Aroclor-1248)	**23**
F-750 B	S50134MA-0120	AC05766	0.63
F-775 A	S50134MA-0121	AC05767	2.00
FF-025 A	S50134MA-0330	AC07892	1.52
FF-050 A	S50134MA-0335	AC07893	1.38
FF-075 A	S50134MA-0309	AC07894	3.10
FF-075 A	S50134MA-0122	AC05843	ND
FF-100 A	S50134MA-0123	AC05844	ND
FF-125 A	S50134MA-0124	AC05845	ND
FF-150 A	S50134MA-0403	AC07895	1.25
FF-175 A	S50134MA-0401	AC07896	1.11
FF-200 A	S50134MA-0402	AC07897	0.63
FF-225 A	S50134MA-0405	AC07898	ND
FF-250 A	S50134MA-0407	AC07899	0.50
FF-250 B	S50134MA-0409	AC07900	0.47
G-000 A	S50134MA-0322	AC07901	0.59
G-025 A	S50134MA-0433	AC07902	0.60
G-050 A	S50134MA-0314	AC07903	0.49
G-075 A	S50134MA-0307	AC07904	0.86
G-100 A	S50134MA-0304	AC07905	0.45
G-125 A	S50134MA-0429	AC07906	0.28
G-150 A	S50134MA-0286	AC07907	0.48
G-175 A	S50134MA-0427	AC07908	0.71
G-200 A	S50134MA-0283	AC07909	0.56
G-225 A	S50134MA-0296	AC07910	0.22
G-225 B	S50134MA-0299	AC07911	0.98
G-250 A	S50134MA-0188	AC07912	1.75
G-275 A	S50134MA-0189	AC07913	1.06
G-300 A	S50134MA-0190	AC07914	1.34
G-325 A	S50134MA-0191	AC07915	0.54

NOTES:

All samples analyzed by the EPA Laboratory Services and Applied Sciences Division (LSASD).

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MCP IH Soil Standard = Massachusetts Contingency Plan Imminent Hazard Soil Standard.

EPA RML - Residential = EPA Regional Management Level for Residential Soil, HQ=3.

Sample results highlighted in YELLOW exceed the MCP Method 1 S-1 Soil Standard.

Sample results highlighted in ORANGE exceed the MCP IH Soil Standard.

Sample results highlighted in RED exceed the EPA RML - Residential.

TABLE 1
SUMMARY OF PCB SOIL SCREENING RESULTS
RIVERSIDE SQUARE PCB SITE
BOSTON (HYDE PARK), MASSACHUSETTS

Sample Location	Sample Number	Laboratory Sample Number	Total PCBs Result (mg/kg)
		MCP Method-1 S-1 Soil Standard	**1**
		MCP IH Soil Standard	**10**
		EPA RML - Residential (Aroclor-1248)	**23**
G-350 A	S50134MA-0192	AC07916	0.33
G-375 A	S50134MA-0193	AC07917	0.38
G-400 A	S50134MA-0194	AC07918	1.34
G-425 A	S50134MA-0195	AC07919	1.77
G-450 A	S50134MA-0196	AC07920	2.30
G-475 A	S50134MA-0248	AC07921	1.06
G-475 B	S50134MA-0197	AC07922	0.24
G-500 A	S50134MA-0198	AC07923	0.79
G-525 A	S50134MA-0199	AC07924	1.13
G-525 B	S50134MA-0253	AC07925	0.90
G-550 A	S50134MA-0200	AC07926	1.89
G-575 A	S50134MA-0125	AC05768	3.50
G-575 D	S50134MA-0149	AC05787	4.00
G-600 A	S50134MA-0126	AC05769	0.87
G-625 A	S50134MA-0127	AC05770	4.60
G-625 B	S50134MA-0128	AC05771	7.80
G-650 A	S50134MA-0129	AC05772	0.67
G-650 B	S50134MA-0130	AC05773	ND
G-675 A	S50134MA-0171	AC07927	ND
GG-025 A	S50134MA-0328	AC07928	0.44
H-200 A	S50134MA-0414	AC07929	1.15
H-225 A	S50134MA-0278	AC07930	0.90
H-250 A	S50134MA-0202	AC07931	ND
H-275 A	S50134MA-0203	AC07932	1.41
H-300 A	S50134MA-0204	AC07933	2.40
H-325 A	S50134MA-0205	AC07934	1.44
H-350 A	S50134MA-0206	AC07935	1.57
H-375 A	S50134MA-0207	AC07936	1.24
H-400 A	S50134MA-0208	AC07937	1.14

NOTES:

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B Interval = 1-3 feet.

MCP Method-1 S-1 Soil Standard = Massachusetts Contingency Plan Method 1 S-1 Soil Standard.

MCP IH Soil Standard = Massachusetts Contingency Plan Imminent Hazard Soil Standard.

EPA RML - Residential = EPA Regional Management Level for Residential Soil, HQ=3.

Sample results highlighted in YELLOW exceed the MCP Method 1 S-1 Soil Standard.

Sample results highlighted in ORANGE exceed the MCP IH Soil Standard.

Sample results highlighted in RED exceed the EPA RML - Residential.

TABLE 1
SUMMARY OF PCB SOIL SCREENING RESULTS
RIVERSIDE SQUARE PCB SITE
BOSTON (HYDE PARK), MASSACHUSETTS

Sample Location	Sample Number	Laboratory Sample Number	Total PCBs Result (mg/kg)
		MCP Method-1 S-1 Soil Standard	**1**
		MCP IH Soil Standard	**10**
		EPA RML - Residential (Aroclor-1248)	**23**
H-425 A	S50134MA-0209	AC07938	0.67
H-450 A	S50134MA-0415	AC07939	1.05
H-475 A	S50134MA-0210	AC07940	0.62
H-500 A	S50134MA-0211	AC07941	0.75
H-525 A	S50134MA-0212	AC07942	1.29
H-550 A	S50134MA-0172	AC07943	0.34
H-575 A	S50134MA-0131	AC05774	0.66
H-575 B	S50134MA-0132	AC05775	0.29
H-575 D	S50134MA-0150	AC05788	0.64
H-600 A	S50134MA-0416	AC07944	1.89
H-625 A	S50134MA-0173	AC07945	2.20
H-625 B	S50134MA-0174	AC07946	2.50
H-650 A	S50134MA-0175	AC07947	0.89
H-650 B	S50134MA-0176	AC07948	9.40
H-660 A	S50134MA-0133	AC05776	3.60
W-001 A	S50134MA-0136	AC05778	12.00
W-001 B	S50134MA-0137	AC05779	8.20
W-002 A	S50134MA-0138	AC05780	8.00
W-003 A	S50134MA-0139	AC05781	ND
W-004 A	S50134MA-0140	AC05782	11.90

NOTES:

All samples analyzed by the EPA Laboratory Services and Applied Sciences Division (LSASD).

mg/kg = milligrams per kilogram.

PCB = Polychlorinated biphenyl.

ND = Not detected above the laboratory reporting limit.

A Interval = 0-1 feet.

B Interval = 1-3 feet.

MCP Method-1 S-1 Soil Standard = Massachusetts Contingency Plan Method 1 S-1 Soil Standard.

MCP IH Soil Standard = Massachusetts Contingency Plan Imminent Hazard Soil Standard.

EPA RML - Residential = EPA Regional Management Level for Residential Soil, HQ=3.

Sample results highlighted in YELLOW exceed the MCP Method 1 S-1 Soil Standard.

Sample results highlighted in ORANGE exceed the MCP IH Soil Standard.

Sample results highlighted in RED exceed the EPA RML - Residential.

TABLE 2
SUMMARY OF METALS SOIL SCREENING RESULTS
RIVERSIDE SQUARE PCB SITE
BOSTON (HYDE PARK), MASSACHUSETTS

Sample Location	Arsenic	Chromium (Total)	Lead
MCP Method-1 S-1 Soil Standard	**20**	**100**	**200**
EPA RML - Residential	**68**	**350,000**	**200**
A-000A	21.34	40.44	240.62
A-025A	ND	59.00	199.00
A-025A dup	ND	50.00	216.00
A-025A rep	12.00	52.00	194.00
A-050A	ND	61.00	120.00
A-050B	ND	98.00	306.00
A-075A	ND	35.00	42.00
A-100A	ND	66.00	180.00
A-125A	8.00	68.00	81.00
A-150A	ND	77.00	147.00
AA-025A	11.11	25.12	213.43
AA-050A	8.10	26.05	92.00
AA-075A	11.65	27.94	123.68
AA-100A	ND	35.00	71.00
AA-100A	ND	27.00	133.00
AA-100D	ND	33.00	173.00
B-000A	15.90	12.89	269.41
B-025A	ND	47.00	169.00
B-025B	12.00	57.00	207.00
B-025B dup	10.00	49.00	195.00
B-025B rep	12.00	63.00	203.00
B-050A	ND	54.00	105.00
B-075A	ND	63.00	66.00
B-100A	ND	49.00	119.00
B-125A	ND	65.00	184.00
B-125B	ND	60.00	135.00
B-150A	NR	62.00	NR
B-150B	ND	73.00	86.00
B-175A	NR	96.00	NR
B-175B	NR	48.00	NR

NOTES:

All samples field screened via XRF by Weston Solutions, Region 1 START.

XRF = X-Ray Fluorescence.

mg/kg = milligrams per kilogram.

ND = Not Detected.

NR = Not Recorded.

A Interval = 0-1 feet.

B Interval = 1-3 feet.

dup = Duplicate

rep = Replicate

MCP Method-1 S-1 Soil Standard = Massachusetts Contingency Plan (MCP) Method 1 S-1 Soil Standard.

EPA RML - Residential = EPA Regional Management Level for Residential Soil, HQ=3.

Sample results highlighted in YELLOW exceed the MCP Method-1 S-1 Soil Standard.

Sample results highlighted in RED exceed the EPA RML - Residential.

TABLE 2
SUMMARY OF METALS SOIL SCREENING RESULTS
RIVERSIDE SQUARE PCB SITE
BOSTON (HYDE PARK), MASSACHUSETTS

Sample Location	Arsenic	Chromium (Total)	Lead
MCP Method-1 S-1 Soil Standard	**20**	**100**	**200**
EPA RML - Residential	**68**	**350,000**	**200**
B-250A	22.29	49.27	164.65
B-250B	33.39	51.28	229.36
B-275A	19.18	58.34	291.06
B-275A	8.28	52.86	189.62
B-275B	17.54	54.36	377.75
BB-025A	202.47	14.60	2,372.00
BB-050A	18.99	10.17	114.17
BB-075A	16.63	22.80	132.92
BB-100A	NR	28.00	NR
BB-100B	ND	35.00	20.20
BB-125A	15.89	13.44	213.94
C-000A	10.98	ND	180.03
C-025A	ND	49.00	102.00
C-025A dup	ND	58.00	82.00
C-025A rep	ND	55.00	102.00
C-025B	NR	80.00	NR
C-050A	ND	50.00	65.00
C-050D	ND	50.00	56.00
C-075A	ND	58.00	70.00
C-100A	ND	70.00	100.00
C-125A	ND	68.00	121.00
C-150A	ND	82.00	72.00
C-175A	ND	68.00	105.00
C-175B	ND	94.00	105.00
C-200A	ND	76.00	135.00
C-225A	11.74	72.56	142.31
C-250A	4.95	41.30	108.17
C-275A	4.20	51.28	165.70
C-275B	5.67	54.10	184.50
C-300A	13.12	36.12	200.68

NOTES:

All samples field screened via XRF by Weston Solutions, Region 1 START.

XRF = X-Ray Fluorescence.

mg/kg = milligrams per kilogram.

ND = Not Detected.

NR = Not Recorded.

A Interval = 0-1 feet.

B Interval = 1-3 feet.

dup = Duplicate

rep = Replicate

MCP Method-1 S-1 Soil Standard = Massachusetts Contingency Plan (MCP) Method 1 S-1 Soil Standard.

EPA RML - Residential = EPA Regional Management Level for Residential Soil, HQ=3.

Sample results highlighted in YELLOW exceed the MCP Method-1 S-1 Soil Standard.

Sample results highlighted in RED exceed the EPA RML - Residential.

TABLE 2
SUMMARY OF METALS SOIL SCREENING RESULTS
RIVERSIDE SQUARE PCB SITE
BOSTON (HYDE PARK), MASSACHUSETTS

Sample Location	Arsenic	Chromium (Total)	Lead
MCP Method-1 S-1 Soil Standard	**20**	**100**	**200**
EPA RML - Residential	**68**	**350,000**	**200**
C-575A	ND	38.00	350.00
C-575B	ND	42.00	173.00
C-600A	ND	39.00	275.00
C-625A	ND	37.00	92.00
C-650A	11.00	39.00	91.00
C-650B	ND	45.00	38.00
C-675B	ND	34.00	37.00
C-700A	21.00	41.00	123.00
C-700A	ND	45.00	96.00
C-700B	ND	54.00	57.00
C-725A	ND	37.00	30.20
C-725A	14.00	46.00	128.00
C-750A	ND	39.00	83.00
C-750B	ND	29.00	18.30
C-750B	ND	36.00	78.00
C-750B	ND	44.00	76.00
C-775A	11.00	42.00	180.00
C-775B	ND	50.00	70.00
CC-025A	5.83	22.21	108.91
CC-050A	8.42	19.65	112.11
CC-075A	4.97	25.54	66.45
CC-075B	3.20	31.93	23.43
CC-100A	13.00	36.00	98.00
CC-150A	31.54	7.12	335.57
D-000A	17.41	97.42	234.12
D-000A	7.45	30.23	118.36
D-025A	ND	56.00	83.00
D-050A	ND	49.00	79.00
D-075A	ND	51.00	76.00
D-100A	ND	26.00	54.90

NOTES:

All samples field screened via XRF by Weston Solutions, Region 1 START.

XRF = X-Ray Fluorescence.

mg/kg = milligrams per kilogram.

ND = Not Detected.

NR = Not Recorded.

A Interval = 0-1 feet.

B Interval = 1-3 feet.

dup = Duplicate

rep = Replicate

MCP Method-1 S-1 Soil Standard = Massachusetts Contingency Plan (MCP) Method 1 S-1 Soil Standard.

EPA RML - Residential = EPA Regional Management Level for Residential Soil, HQ=3.

Sample results highlighted in YELLOW exceed the MCP Method-1 S-1 Soil Standard.

Sample results highlighted in RED exceed the EPA RML - Residential.

TABLE 2
SUMMARY OF METALS SOIL SCREENING RESULTS
RIVERSIDE SQUARE PCB SITE
BOSTON (HYDE PARK), MASSACHUSETTS

Sample Location	Arsenic	Chromium (Total)	Lead
MCP Method-1 S-1 Soil Standard	**20**	**100**	**200**
EPA RML - Residential	**68**	**350,000**	**200**
D-100A	5.76	34.39	81.18
D-125A	ND	67.00	77.00
D-125A	4.77	63.41	83.09
D-150A	ND	55.00	95.00
D-150A	4.25	45.93	67.07
D-150B	ND	52.00	61.00
D-175A	ND	ND	23.23
D-175A	8.17	54.85	125.41
D-200A	9.83	47.25	155.80
D-200A	3.12	45.91	89.10
D-225A	11.31	64.45	141.98
D-225A	4.76	48.15	110.51
D-250A	10.30	49.97	92.75
D-250A	7.97	59.64	126.62
D-275A	4.00	45.31	203.37
D-275A	9.35	59.80	132.62
D-300A	6.47	45.76	162.63
D-300A	9.37	50.79	140.54
D-325A	5.25	32.63	104.04
D-325A	8.15	57.12	144.03
D-325B	11.43	82.87	97.54
D-350A	8.71	46.36	125.42
D-350A	7.55	47.47	119.78
D-375A	7.13	44.90	72.77
D-375A	12.66	48.93	163.98
D-375B	2.69	36.81	91.00
D-400A	8.36	41.10	140.32
D-400A	12.27	67.92	157.86
D-400B	22.32	52.77	148.97
D-425A	18.40	58.44	145.64

NOTES:

All samples field screened via XRF by Weston Solutions, Region 1 START.

XRF = X-Ray Fluorescence.

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TABLE 2
SUMMARY OF METALS SOIL SCREENING RESULTS
RIVERSIDE SQUARE PCB SITE
BOSTON (HYDE PARK), MASSACHUSETTS

Sample Location	Arsenic	Chromium (Total)	Lead
MCP Method-1 S-1 Soil Standard	**20**	**100**	**200**
EPA RML - Residential	**68**	**350,000**	**200**
D-425B	14.89	87.69	115.10
D-450A	4.63	43.69	55.64
D-450A	18.40	95.52	175.15
D-450A	5.00	54.39	131.26
D-450B	14.01	73.04	131.23
D-475A	9.49	45.37	115.20
D-475A	17.52	81.75	120.89
D-475B	19.10	109.17	85.15
D-500A	22.82	97.36	172.68
D-500B	8.71	64.02	121.81
D-525A	33.75	138.33	720.05
D-525A	11.90	70.30	114.18
D-550A	40.07	125.58	353.83
D-550A	11.12	102.19	60.16
D-575A	15.00	45.00	355.00
D-575B	ND	41.00	80.00
D-600A	ND	37.00	485.00
D-600B	ND	47.00	174.00
D-625A	15.00	49.00	423.00
D-650A	9.00	38.00	145.00
D-650B	ND	45.00	36.50
D-675A	ND	38.00	143.00
D-675A	ND	40.00	244.00
D-700B	13.00	36.00	136.00
D-725A	ND	45.00	107.00
D-725B	ND	55.00	17.00
D-725D	ND	38.00	103.00
D-750A	12.00	43.00	108.00
D-775A	14.00	43.00	385.00
D-775B	ND	57.00	792.00

NOTES:

All samples field screened via XRF by Weston Solutions, Region 1 START.

XRF = X-Ray Fluorescence.

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TABLE 2
SUMMARY OF METALS SOIL SCREENING RESULTS
RIVERSIDE SQUARE PCB SITE
BOSTON (HYDE PARK), MASSACHUSETTS

Sample Location	Arsenic	Chromium (Total)	Lead
MCP Method-1 S-1 Soil Standard	**20**	**100**	**200**
EPA RML - Residential	**68**	**350,000**	**200**
DD-025A	29.25	14.42	329.55
DD-025A	9.44	59.89	139.51
DD-050A	ND	38.00	1,168.00
DD-050A	26.39	45.50	160.12
DD-050B	ND	28.00	677.00
DD-075A	7.00	31.00	81.00
DD-075A	8.12	21.21	130.49
DD-075B	ND	32.00	20.80
DD-100A	12.00	29.00	85.00
DD-100B	ND	39.00	89.00
DD-150A	20.85	15.20	135.74
DD-150A	18.56	29.57	174.18
DD-175A	76.58	21.92	525.69
DD-175A	6.16	30.30	106.74
DD-175B	5.07	37.82	27.73
DD-200A	16.11	31.77	61.41
DD-200A	5.65	28.13	96.73
DD-225A	11.33	47.88	249.74
DD-250A	85.23	66.72	1,638.88
DD-275A	16.75	48.21	162.30
E-025A	ND	62.00	87.00
E-050A	ND	67.00	71.00
E-075A	ND	49.00	107.00
E-075A	ND	54.00	103.00
E-075A dup	ND	68.00	123.00
E-100A	5.76	34.39	81.18
E-125A	4.77	63.41	83.09
E-150A	4.25	45.93	67.07
E-175A	8.17	54.85	125.41
E-200A	3.12	45.91	89.10

NOTES:

All samples field screened via XRF by Weston Solutions, Region 1 START.

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Sample results highlighted in YELLOW exceed the MCP Method-1 S-1 Soil Standard.

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TABLE 2
SUMMARY OF METALS SOIL SCREENING RESULTS
RIVERSIDE SQUARE PCB SITE
BOSTON (HYDE PARK), MASSACHUSETTS

Sample Location	Arsenic	Chromium (Total)	Lead
MCP Method-1 S-1 Soil Standard	**20**	**100**	**200**
EPA RML - Residential	**68**	**350,000**	**200**
E-225A	4.76	48.15	110.51
E-250A	7.97	59.64	126.62
E-275A	9.35	59.80	132.62
E-300A	9.37	50.79	140.54
E-325A	8.15	57.12	144.03
E-350A	7.55	47.47	119.78
E-375A	12.66	48.93	163.98
E-400A	12.27	67.92	157.86
E-425A	14.89	87.69	115.10
E-450A	18.40	95.52	175.15
E-475A	17.52	81.75	120.89
E-475B	19.10	109.17	85.15
E-575A	20.00	146.00	501.00
E-500A	22.82	97.36	172.68
E-500B	8.71	64.02	121.81
E-525A	11.90	70.30	114.18
E-550A	11.12	102.19	60.16
E-600A	ND	41.00	284.00
E-600B	ND	40.00	116.00
E-625A	10.00	39.00	97.00
E-625B	ND	35.00	34.50
E-650A	8.00	36.00	85.00
E-650B	ND	33.00	52.00
E-675A	10.00	35.00	132.00
E-675B	ND	35.00	59.00
E-700A	ND	42.00	87.00
E-700B	ND	40.00	28.40
E-725A	14.00	44.00	160.00
E-725B	ND	34.00	45.00
E-750A	21.00	66.00	269.00

NOTES:

All samples field screened via XRF by Weston Solutions, Region 1 START.

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ND = Not Detected.

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Sample results highlighted in YELLOW exceed the MCP Method-1 S-1 Soil Standard.

Sample results highlighted in RED exceed the EPA RML - Residential.

TABLE 2
SUMMARY OF METALS SOIL SCREENING RESULTS
RIVERSIDE SQUARE PCB SITE
BOSTON (HYDE PARK), MASSACHUSETTS

Sample Location	Arsenic	Chromium (Total)	Lead
MCP Method-1 S-1 Soil Standard	**20**	**100**	**200**
EPA RML - Residential	**68**	**350,000**	**200**
E-750B	27.00	78.00	322.00
E-775A	ND	84.00	875.00
E-775B	ND	313.00	754.00
E-775B dup	ND	355.00	828.00
E-800A	ND	161.00	457.00
E-800B	ND	218.00	431.00
EE-025A	9.44	59.89	139.51
EE-050A	26.39	45.50	160.12
EE-075A	8.12	21.21	130.49
EE-100A	10.80	34.00	58.00
EE-100B	ND	34.00	24.50
EE-125A	15.00	30.00	133.00
EE-125B	7.00	27.00	69.00
EE-125D	ND	23.00	43.10
EE-150A	18.56	29.57	174.18
EE-175A	6.16	30.30	106.74
EE-175B	5.07	37.82	27.73
EE-200A	5.65	28.13	96.73
EE-225A	11.33	47.88	249.74
EE-250A	85.23	66.72	1,638.88
EE-275A	16.75	48.21	162.30
EF-775A	ND	136.00	512.00
EF-775B	ND	216.00	442.00
F-000A	7.75	55.33	107.75
F-025A	ND	49.00	89.00
F-025A	ND	46.00	94.00
F-025A dup	ND	62.00	90.00
F-050A	3.08	30.35	82.01
F-050A dup	2.59	40.26	83.43
F-050A rep	3.43	30.75	80.86

NOTES:

All samples field screened via XRF by Weston Solutions, Region 1 START.

XRF = X-Ray Fluorescence.

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Sample results highlighted in YELLOW exceed the MCP Method-1 S-1 Soil Standard.

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TABLE 2
SUMMARY OF METALS SOIL SCREENING RESULTS
RIVERSIDE SQUARE PCB SITE
BOSTON (HYDE PARK), MASSACHUSETTS

Sample Location	Arsenic	Chromium (Total)	Lead
MCP Method-1 S-1 Soil Standard	**20**	**100**	**200**
EPA RML - Residential	**68**	**350,000**	**200**
F-075A	6.70	32.84	78.56
F-100A	4.31	49.46	82.04
F-125A	11.53	72.69	131.44
F-150A	6.02	70.75	123.69
F-175A	7.28	56.08	69.48
F-200A	5.23	40.88	122.94
F-225A	3.36	47.89	96.54
F-250A	4.07	56.08	242.81
F-275A	8.69	58.87	137.98
F-325A	11.69	49.99	136.36
F-350A	16.13	51.42	139.92
F-375A	7.93	58.43	137.94
F-400A	6.77	49.08	66.42
F-400A	5.49	52.37	89.42
F-400B dup	8.05	49.58	74.45
F-400B rep	4.21	34.70	60.47
F-425A	3.24	44.15	95.84
F-450A	8.85	72.51	100.19
F-450B	5.69	43.41	54.94
F-475B	7.65	54.77	80.40
F-500A	10.79	70.17	83.84
F-525A	6.43	50.45	87.57
F-550A	13.30	76.57	107.69
F-575A	ND	84.00	134.00
F-600A	ND	110.00	646.00
F-600B	18.00	272.00	705.00
F-625A	ND	53.00	208.00
F-625B	ND	34.00	26.10
F-625D	NR	44.00	NR
F-650A	7.00	8.00	84.00

NOTES:

All samples field screened via XRF by Weston Solutions, Region 1 START.

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Sample results highlighted in YELLOW exceed the MCP Method-1 S-1 Soil Standard.

Sample results highlighted in RED exceed the EPA RML - Residential.

TABLE 2
SUMMARY OF METALS SOIL SCREENING RESULTS
RIVERSIDE SQUARE PCB SITE
BOSTON (HYDE PARK), MASSACHUSETTS

Sample Location	Arsenic	Chromium (Total)	Lead
MCP Method-1 S-1 Soil Standard	**20**	**100**	**200**
EPA RML - Residential	**68**	**350,000**	**200**
F-675A	ND	12.00	97.00
F-700A	14.00	40.00	164.00
F-700B	ND	36.00	38.90
F-725A	ND	45.00	87.00
F-725B	ND	32.00	41.00
F-750A	22.00	309.00	598.00
F-750B	ND	150.00	464.00
F-775A	ND	42.00	123.00
FF-025A	5.19	47.24	60.15
FF-050A	7.05	39.80	72.55
FF-075A	ND	57.00	79.00
FF-075A	3.65	48.38	89.05
FF-100A	ND	39.00	53.00
FF-125A	ND	43.00	45.00
FF-150A	5.82	57.61	76.54
FF-175A	5.92	46.02	74.16
FF-200A	9.34	54.91	115.26
FF-225A	10.81	57.28	136.03
FF-250A	8.81	88.59	105.66
FF-250A	5.96	55.54	94.95
G-000A	8.48	54.22	76.92
G-025A	5.91	95.45	49.45
G-050A	7.30	79.29	119.79
G-075A	11.05	57.32	77.48
G-100A	6.21	49.52	52.15
G-150A	7.63	43.59	89.86
G-175A	5.66	52.38	117.40
G-175A	5.37	58.97	113.57
G-200A	9.15	71.25	135.84
G-200A dup	10.48	68.91	141.30

NOTES:

All samples field screened via XRF by Weston Solutions, Region 1 START.

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TABLE 2
SUMMARY OF METALS SOIL SCREENING RESULTS
RIVERSIDE SQUARE PCB SITE
BOSTON (HYDE PARK), MASSACHUSETTS

Sample Location	Arsenic	Chromium (Total)	Lead
MCP Method-1 S-1 Soil Standard	**20**	**100**	**200**
EPA RML - Residential	**68**	**350,000**	**200**
G-200A rep	9.58	74.47	138.09
G-225A	8.78	52.88	110.12
G-250A	10.70	58.83	112.12
G-250B	6.90	56.04	70.51
G-275A	8.93	55.34	129.43
G-300A	16.51	75.72	141.10
G-325A	4.57	46.58	103.55
G-350A	15.43	55.15	152.62
G-375A	10.02	64.81	140.90
G-400A	8.99	53.19	98.47
G-425A	10.60	51.52	74.42
G-450A	2.38	23.09	77.68
G-475A	ND	56.98	98.58
G-475B	9.48	78.69	44.83
G-500A	6.05	41.58	73.68
G-525A	5.17	42.78	71.91
G-525B	3.17	38.81	37.31
G-550A	13.68	61.45	122.31
G-575A	7.00	71.00	88.00
G-575D	NR	49.00	NR
G-600A	ND	63.00	204.00
G-625A	ND	54.00	81.00
G-625B	ND	57.00	128.00
G-650A	ND	60.00	172.00
G-650B	ND	34.00	37.80
G-675A	23.48	41.57	187.31
GG-025A	4.72	42.64	38.53
H-200A	8.41	40.76	69.29
H-225A	10.33	76.82	110.39
H-250A	9.28	60.53	93.37

NOTES:

All samples field screened via XRF by Weston Solutions, Region 1 START.

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Sample results highlighted in YELLOW exceed the MCP Method-1 S-1 Soil Standard.

Sample results highlighted in RED exceed the EPA RML - Residential.

TABLE 2
SUMMARY OF METALS SOIL SCREENING RESULTS
RIVERSIDE SQUARE PCB SITE
BOSTON (HYDE PARK), MASSACHUSETTS

Sample Location	Arsenic	Chromium (Total)	Lead
MCP Method-1 S-1 Soil Standard	**20**	**100**	**200**
EPA RML - Residential	**68**	**350,000**	**200**
H-275A	8.56	56.10	127.98
H-300A	14.32	80.35	116.73
H-325A	15.64	83.70	139.35
H-350A	10.46	52.94	119.35
H-375A	11.89	54.09	135.47
H-400A	7.95	54.94	92.35
H-425A	7.86	57.33	85.96
H-450A	6.94	59.93	86.72
H-475A	8.79	51.47	56.42
H-500A	6.26	49.50	54.99
H-525A	5.48	41.62	91.53
H-550A	10.37	65.77	92.89
H-575A	ND	46.00	51.00
H-575B	ND	35.00	29.80
H-575D	NR	42.00	NR
H-600A	ND	48.00	85.00
H-600A	4.37	31.53	86.68
H-625A	13.39	90.18	159.39
H-625B	9.86	95.89	117.33
H-650A	5.09	33.72	39.72
H-650B	7.81	52.58	91.59
W-001A	ND	82.00	303.00
W-001B	ND	67.00	164.00
W-002A	NR	46.00	NR
W-003A	ND	222.00	504.00
W-004A	ND	78.00	208.00

NOTES:

All samples field screened via XRF by Weston Solutions, Region 1 START.

XRF = X-Ray Fluorescence.

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Sample results highlighted in RED exceed the EPA RML - Residential.

TABLE 3
SUMMARY OF PCB SOIL SAMPLE CONFIRMATION RESULTS
RIVERSIDE SQUARE PCB SITE
BOSTON (HYDE PARK), MASSACHUSETTS

			SAMPLE LOCATION:	C-650B	D-575B	D-775B	E-675A	EF-775A	F-700A	W-001B	W-004A
			SAMPLE NUMBER:	S50134MA-0038	S50134MA-0058	S50134MA-0072	S50134MA-0089	S50134MA-0105	S50134MA-0115	S50134MA-0137	S50134MA-0140
			SAMPLE DEPTH:	1-3 feet	1-3 feet	1-3 feet	0-1 feet	0-1 feet	0-1 feet	1-3 feet	0-1 feet
COMPOUND	**MCP S-1**	**MCP IH**	**EPA RML - Res**								
POLYCHLORINATED BIPHENYLS (PCBs)	**mg/kg**			**mg/kg**							
Aroclor-1248	NL	NL	23	ND	ND	ND	ND	6.0	ND	ND	ND
Aroclor-1254	NL	NL	3.5	ND	ND	ND	0.34	3.1	0.26	5.7	12
Aroclor-1260	NL	NL	24	ND	ND	ND	ND	ND	ND	ND	6.4
Total PCBs	1.0	10.0	NL	ND	ND	ND	0.34	9.1	0.26	5.7	18

ANALYTICAL METHODS

Samples analyzed by US EPA LSASD as follows:

PCBs: EPA Region I SOP LSBSOP-PESTSOIL6,
PCBs Medium level in Soil and Sediments.

NOTES:

1) mg/kg = milligrams per kilogram 2) ND = Not Detected.
3) MCP S-1 Soil Standard = Massachusetts Contingency Plan Method 1 S-1 Soil Standard.
4) MCP IH Soil Standard = Massachusetts Contingency Plan Imminent Hazard Soil Standard.
5) EPA RML - Res = EPA Regional Management Level for Residential Soil, HQ=3.
6) Sample results highlighted in YELLOW exceed the MCP Method 1 S-1 Soil Standard.
7) Sample results highlighted in ORANGE exceed the MCP IH Soil Standard.
8) Sample results highlighted in RED exceed the EPA RML - Residential.
9) Results are reported in the units noted.
10) A compound is listed in the table above only if it was detected in at least one of the samples analyzed.
Compounds that were analyzed for, but not detected, have been omitted.

TABLE 3
SUMMARY OF PCB SOIL SAMPLE CONFIRMATION RESULTS
RIVERSIDE SQUARE PCB SITE
BOSTON (HYDE PARK), MASSACHUSETTS

			SAMPLE LOCATION:	A-125A	B-150B	C-200A	DD-075A	FF-075A	AA-100D	EE-125D	AA-075A
			SAMPLE NUMBER:	S50134MA-0006	S50134MA-0018	S50134MA-0032	S50134MA-0075	S50134MA-0122	S50134MA-0143	S50134MA-0146	S50134MA-0374
			SAMPLE DEPTH:	0-1 feet	1-3 feet	0-1 feet	0-1 feet	0-1 feet	0-1 feet	1-3 feet	0-1 feet
COMPOUND	**MCP S-1**	**MCP IH**	**EPA RML - Res**								
POLYCHLORINATED BIPHENYLS (PCBs)	**mg/kg**			**mg/kg**							
Aroclor-1248	NL	NL	23	4.0	4.3	ND	ND	2.2	ND	ND	ND
Aroclor-1254	NL	NL	3.5	ND	ND	1.7	ND	1.9	0.10	ND	ND
Aroclor-1260	NL	NL	24	ND	ND	ND	ND	ND	ND	ND	ND
Total PCBs	1.0	10.0	NL	4.0	4.3	1.7	ND	4.1	0.10	ND	ND

ANALYTICAL METHODS

Samples analyzed by US EPA LSASD as follows:
PCBs: EPA Region I SOP LSBSOP-PESTSOIL6,
PCBs Medium level in Soil and Sediments.

NOTES:

1) mg/kg = milligrams per kilogram 2) ND = Not Detected.
3) MCP S-1 Soil Standard = Massachusetts Contingency Plan Method 1 S-1 Soil Standard.
4) MCP IH Soil Standard = Massachusetts Contingency Plan Imminent Hazard Soil Standard.
5) EPA RML - Res = EPA Regional Management Level for Residential Soil, HQ=3.
6) Sample results highlighted in YELLOW exceed the MCP Method 1 S-1 Soil Standard.
7) Sample results highlighted in ORANGE exceed the MCP IH Soil Standard.
8) Sample results highlighted in RED exceed the EPA RML - Residential.
9) Results are reported in the units noted.
10) A compound is listed in the table above only if it was detected in at least one of the samples analyzed.
Compounds that were analyzed for, but not detected, have been omitted.

TABLE 3
SUMMARY OF PCB SOIL SAMPLE CONFIRMATION RESULTS
RIVERSIDE SQUARE PCB SITE
BOSTON (HYDE PARK), MASSACHUSETTS

			SAMPLE LOCATION:	B-275B	C-275A	D-175A	D-250A	D-350A	D-375B	D-400B	D-525A
			SAMPLE NUMBER:	S50134MA-0378	S50134MA-0397	S50134MA-0366	S50134MA-0376	S50134MA-0390	S50134MA-0394	S50134MA-0395	S50134MA-0154
			SAMPLE DEPTH:	1-3 feet	0-1 feet	0-1 feet	0-1 feet	0-1 feet	1-3 feet	1-3 feet	0-1 feet
COMPOUND	**MCP S-1**	**MCP IH**	**EPA RML - Res**								
POLYCHLORINATED BIPHENYLS (PCBs)	**mg/kg**			**mg/kg**							
Aroclor-1248	NL	NL	23	ND	ND	ND	0.77	0.72	0.090	ND	ND
Aroclor-1254	NL	NL	3.5	ND	0.070	0.60	1.1	0.76	0.10	ND	2.6
Aroclor-1260	NL	NL	24	ND	ND	ND	ND	ND	ND	ND	ND
Total PCBs	1.0	10.0	NL	ND	ND	ND	ND	1.5	0.19	ND	2.6

ANALYTICAL METHODS

Samples analyzed by US EPA LSASD as follows:

PCBs: EPA Region I SOP LSBSOP-PESTSOIL6,
PCBs Medium level in Soil and Sediments.

NOTES:

1) mg/kg = milligrams per kilogram 2) ND = Not Detected.
3) MCP S-1 Soil Standard = Massachusetts Contingency Plan Method 1 S-1 Soil Standard.
4) MCP IH Soil Standard = Massachusetts Contingency Plan Imminent Hazard Soil Standard.
5) EPA RML - Res = EPA Regional Management Level for Residential Soil, HQ=3.
6) Sample results highlighted in YELLOW exceed the MCP Method 1 S-1 Soil Standard.
7) Sample results highlighted in ORANGE exceed the MCP IH Soil Standard.
8) Sample results highlighted in RED exceed the EPA RML - Residential.
9) Results are reported in the units noted.
10) A compound is listed in the table above only if it was detected in at least one of the samples analyzed.
Compounds that were analyzed for, but not detected, have been omitted.

TABLE 3
SUMMARY OF PCB SOIL SAMPLE CONFIRMATION RESULTS
RIVERSIDE SQUARE PCB SITE
BOSTON (HYDE PARK), MASSACHUSETTS

			SAMPLE LOCATION:	D-550A	E-475A	E-550A	EE-200A	F-100A	F-225A	F-325A	E-000A
			SAMPLE NUMBER:	S50134MA-0434	S50134MA-0159	S50134MA-0163	S50134MA-0413	S50134MA-0313	S50134MA-0289	S50134MA-0182	S50134MA-0325
			SAMPLE DEPTH:	0-1 feet	0-1 feet	0-1 feet	0-1 feet	0-1 feet	0-1 feet	0-1 feet	0-1 feet
COMPOUND	**MCP S-1**	**MCP IH**	**EPA RML - Res**								
POLYCHLORINATED BIPHENYLS (PCBs)	**mg/kg**			**mg/kg**							
Aroclor-1248	NL	NL	23	0.20	ND	0.65	0.080	1.1	1.2	0.32	0.53
Aroclor-1254	NL	NL	3.5	0.42	0.78	0.77	0.080	1.1	1.2	0.60	0.68
Aroclor-1260	NL	NL	24	ND	ND	ND	ND	ND	ND	ND	ND
Total PCBs	1.0	10.0	NL	0.62	0.78	1.42	0.16	2.2	2.4	0.92	1.2

ANALYTICAL METHODS

Samples analyzed by US EPA LSASD as follows:
PCBs: EPA Region I SOP LSBSOP-PESTSOIL6,
PCBs Medium level in Soil and Sediments.

NOTES:

1) mg/kg = milligrams per kilogram 2) ND = Not Detected.
3) MCP S-1 Soil Standard = Massachusetts Contingency Plan Method 1 S-1 Soil Standard.
4) MCP IH Soil Standard = Massachusetts Contingency Plan Imminent Hazard Soil Standard.
5) EPA RML - Res = EPA Regional Management Level for Residential Soil, HQ=3.
6) Sample results highlighted in YELLOW exceed the MCP Method 1 S-1 Soil Standard.
7) Sample results highlighted in ORANGE exceed the MCP IH Soil Standard.
8) Sample results highlighted in RED exceed the EPA RML - Residential.
9) Results are reported in the units noted.
10) A compound is listed in the table above only if it was detected in at least one of the samples analyzed.
Compounds that were analyzed for, but not detected, have been omitted.

TABLE 3
SUMMARY OF PCB SOIL SAMPLE CONFIRMATION RESULTS
RIVERSIDE SQUARE PCB SITE
BOSTON (HYDE PARK), MASSACHUSETTS

			SAMPLE LOCATION:	E-325A	E-425B	F-400B	F-500A	FF-175A	G-050A	G-175A	G-225B
			SAMPLE NUMBER:	S50134MA-0385	S50134MA-0157	S50134MA-0186	S50134MA-0167	S50134MA-0401	S50134MA-0314	S50134MA-0427	S50134MA-0299
			SAMPLE DEPTH:	0-1 feet	1-3 feet	1-3 feet	0-1 feet	0-1 feet	0-1 feet	0-1 feet	1-3 feet
COMPOUND	**MCP S-1**	**MCP IH**	**EPA RML - Res**								
POLYCHLORINATED BIPHENYLS (PCBs)	**mg/kg**			**mg/kg**							
Aroclor-1248	NL	NL	23	1.4	1.0	0.78	0.70	0.51	0.68	0.68	0.77
Aroclor-1254	NL	NL	3.5	1.2	0.91	1.0	0.83	1.0	0.82	0.84	1.2
Aroclor-1260	NL	NL	24	ND	ND	ND	ND	ND	ND	ND	ND
Total PCBs	1.0	10.0	NL	2.6	1.9	1.8	1.5	1.5	1.5	1.5	2.0

ANALYTICAL METHODS

Samples analyzed by US EPA LSASD as follows:
PCBs: EPA Region I SOP LSBSOP-PESTSOIL6,
PCBs Medium level in Soil and Sediments.

NOTES:

1) mg/kg = milligrams per kilogram 2) ND = Not Detected.
3) MCP S-1 Soil Standard = Massachusetts Contingency Plan Method 1 S-1 Soil Standard.
4) MCP IH Soil Standard = Massachusetts Contingency Plan Imminent Hazard Soil Standard.
5) EPA RML - Res = EPA Regional Management Level for Residential Soil, HQ=3.
6) Sample results highlighted in YELLOW exceed the MCP Method 1 S-1 Soil Standard.
7) Sample results highlighted in ORANGE exceed the MCP IH Soil Standard.
8) Sample results highlighted in RED exceed the EPA RML - Residential.
9) Results are reported in the units noted.
10) A compound is listed in the table above only if it was detected in at least one of the samples analyzed. Compounds that were analyzed for, but not detected, have been omitted.

TABLE 3
SUMMARY OF PCB SOIL SAMPLE CONFIRMATION RESULTS
RIVERSIDE SQUARE PCB SITE
BOSTON (HYDE PARK), MASSACHUSETTS

			SAMPLE LOCATION:	G-300A	G-425B	G-550A	H-250A	H-300A	H-400A	H-500A	H-625B
			SAMPLE NUMBER:	S50134MA-0190	S50134MA-0195	S50134MA-0200	S50134MA-0202	S50134MA-0204	S50134MA-0208	S50134MA-0211	S50134MA-0174
			SAMPLE DEPTH:	0-1 feet	1-3 feet	0-1 feet	0-1 feet	0-1 feet	0-1 feet	0-1 feet	1-3 feet
COMPOUND	**MCP S-1**	**MCP IH**	**EPA RML - Res**								
POLYCHLORINATED BIPHENYLS (PCBs)	**mg/kg**			**mg/kg**							
Aroclor-1248	NL	NL	23	0.68	1.5	2.0	0.53	1.9	0.93	0.47	1.1
Aroclor-1254	NL	NL	3.5	0.95	1.3	2.0	0.71	1.7	1.1	0.79	1.3
Aroclor-1260	NL	NL	24	ND	ND	ND	ND	ND	ND	ND	ND
Total PCBs	1.0	10.0	NL	1.6	2.8	4.0	1.2	3.6	2.0	1.3	2.4

ANALYTICAL METHODS

Samples analyzed by US EPA LSASD as follows:

PCBs: EPA Region I SOP LSBSOP-PESTSOIL6,
PCBs Medium level in Soil and Sediments.

NOTES:

1) mg/kg = milligrams per kilogram 2) ND = Not Detected.
3) MCP S-1 Soil Standard = Massachusetts Contingency Plan Method 1 S-1 Soil Standard.
4) MCP IH Soil Standard = Massachusetts Contingency Plan Imminent Hazard Soil Standard.
5) EPA RML - Res = EPA Regional Management Level for Residential Soil, HQ=3.
6) Sample results highlighted in YELLOW exceed the MCP Method 1 S-1 Soil Standard.
7) Sample results highlighted in ORANGE exceed the MCP IH Soil Standard.
8) Sample results highlighted in RED exceed the EPA RML - Residential.
9) Results are reported in the units noted.
10) A compound is listed in the table above only if it was detected in at least one of the samples analyzed.
Compounds that were analyzed for, but not detected, have been omitted.

TABLE 4
SUMMARY OF METALS SOIL SAMPLE CONFIRMATION RESULTS
RIVERSIDE SQUARE PCB SITE
BOSTON (HYDE PARK), MASSACHUSETTS

	SAMPLE LOCATION:		A-025A	A-050A	A-050B	B-025A	B-025B	C-575A	C-575B
	SAMPLE NUMBER:		S50134MA-0001	S50134MA-0002	S50134MA-0003	S50134MA-0010	S50134MA-0011	S50134MA-0033	S50134MA-0034
	SAMPLE DEPTH:		0-1 feet	0-1 feet	1-3 feet	0-1 feet	1-3 feet	0-1 feet	1-3 feet
COMPOUND	**EPA RML-Res**	**MCP S-1**							
METALS	**mg/kg**		**mg/kg**						
Silver	1,200	100	ND	ND	ND	ND	ND	ND	ND
Aluminum	230,000	NL	16,000	8,700	10,000	12,000	15,000	12,000	11,000
Arsenic	68	20	11	7.2	12	11	12	16	13
Barium	46,000	1,000	48	55	93	44	57	80	85
Beryllium	470	90	ND	ND	ND	ND	ND	ND	0.95
Calcium	NL	NL	1,100	2,000	2,000	1,500	1,500	2,500	1,900
Cadmium	210	70	ND	ND	ND	ND	ND	ND	ND
Cobalt	70	NL	5.9	5.3	5.0	5.5	6.1	6.8	6.6
Chromium	NL	100	24	43	**110**	26	35	19	17
Copper	9,400	NL	42	41	200	42	47	55	43
Iron	160,000	NL	18,000	12,000	12,000	16,000	17,000	18,000	15,000
Magnesium	NL	NL	3,000	2,600	2,800	3,000	2,800	2,500	1,900
Manganese	5,500	NL	280	210	150	290	300	550	740
Nickel	4,600	600	16	11	15	15	22	17	13
Lead	200	200	**210**	130	**360**	160	**200**	**480**	**330**
Antimony	94	20	ND	ND	ND	ND	ND	ND	ND
Vanadium	1,200	400	53	31	31	53	46	34	26
Zinc	70,000	1,000	63	83	94	70	89	230	180

ANALYTICAL METHODS

Samples analyzed by U.S. EPA OEME as follows:

Metals: EPA Region I SOP, LSBSOP-OPTIMAS1.

Metals in Soil by ICP-OES.

NOTES:

1) mg/kg = milligrams per kilogram
2) µg/kg = micrograms per kilogram
3) NL = Not Listed.
4) ND = Not Detected.
5) -- = Parameter not analyzed.
6) EPA RML-Res = US EPA Removal Management Level for Residential Soil.
7) MCP S-1 Standard = Massachusetts Contingency Plan Method 1 S-1 Soil Standard.
8) Sample results bolded and highlighted in RED indicate compounds exceeding the EPA Residential RML.
9) Sample results bolded and highlighted in YELLOW indicate compounds exceeding the MCP S-1 Standard.
10) Results are reported in the units noted.
11) A compound is listed in the table above only if it was detected in at least one of the samples analyzed. Compounds that were analyzed for, but not detected, have been omitted.

TABLE 4
SUMMARY OF METALS SOIL SAMPLE CONFIRMATION RESULTS
RIVERSIDE SQUARE PCB SITE
BOSTON (HYDE PARK), MASSACHUSETTS

	SAMPLE LOCATION:		C-600A	C-700A	C-700B	D-575A	D-575B	D-600A	D-600B
	SAMPLE NUMBER:		S50134MA-0035	S50134MA-0041	S50134MA-0042	S50134MA-0057	S50134MA-0058	S50134MA-0059	S50134MA-0060
	SAMPLE DEPTH:		0-1 feet	0-1 feet	1-3 feet	0-1 feet	1-3 feet	0-1 feet	1-3 feet
COMPOUND	**EPA RML-Res**	**MCP S-1**							
METALS	**mg/kg**		**mg/kg**						
Silver	1,200	100	ND	ND	ND	ND	ND	ND	ND
Aluminum	230,000	NL	11,000	19,000	19,000	14,000	18,000	14,000	16,000
Arsenic	68	20	9.9	19	7.5	**24**	8.4	17	7.7
Barium	46,000	1,000	93	64	41	110	65	77	56
Beryllium	470	90	ND	ND	ND	ND	0.87	ND	ND
Calcium	NL	NL	2,500	1,400	1,400	2,400	1,400	2,200	1,700
Cadmium	210	70	2.9	ND	ND	ND	ND	ND	ND
Cobalt	70	NL	5.2	4.9	9.4	6.5	4.5	4.9	5.6
Chromium	NL	100	15	20	22	22	21	19	20
Copper	9,400	NL	39	20	15	67	19	34	20
Iron	160,000	NL	14,000	16,000	19,000	15,000	16,000	14,000	16,000
Magnesium	NL	NL	1,900	2,100	4,700	2,400	2,300	2,100	3,300
Manganese	5,500	NL	520	290	220	540	250	310	270
Nickel	4,600	600	14	12	27	17	13	14	13
Lead	200	200	**350**	120	35	**440**	90	**570**	180
Antimony	94	20	ND	ND	ND	ND	ND	ND	ND
Vanadium	1,200	400	39	36	36	42	31	40	35
Zinc	70,000	1,000	**1,200**	100	48	270	99	120	74

ANALYTICAL METHODS

Samples analyzed by U.S. EPA OEME as follows:

Metals: EPA Region I SOP, LSBSOP-OPTIMAS1.

Metals in Soil by ICP-OES.

NOTES:

1) mg/kg = milligrams per kilogram
2) µg/kg = micrograms per kilogram
3) NL = Not Listed.
4) ND = Not Detected.
5) -- = Parameter not analyzed.
6) EPA RML-Res = US EPA Removal Management Level for Residential Soil.
7) MCP S-1 Standard = Massachusetts Contingency Plan Method 1 S-1 Soil Standard.
8) Sample results bolded and highlighted in RED indicate compounds exceeding the EPA Residential RML.
9) Sample results bolded and highlighted in YELLOW indicate compounds exceeding the MCP S-1 Standard.
10) Results are reported in the units noted.
11) A compound is listed in the table above only if it was detected in at least one of the samples analyzed. Compounds that were analyzed for, but not detected, have been omitted.

TABLE 4
SUMMARY OF METALS SOIL SAMPLE CONFIRMATION RESULTS
RIVERSIDE SQUARE PCB SITE
BOSTON (HYDE PARK), MASSACHUSETTS

	SAMPLE LOCATION:		D-625A	D-675A	D-775A	D-775B	DD-050A	DD-050B	E-575A
	SAMPLE NUMBER:		S50134MA-0061	S50134MA-0064	S50134MA-0071	S50134MA-0072	S50134MA-0073	S50134MA-0074	S50134MA-0082
	SAMPLE DEPTH:		0-1 feet	0-1 feet	0-1 feet	1-3 feet	0-1 feet	1-3 feet	0-1 feet
COMPOUND	**EPA RML-Res**	**MCP S-1**							
METALS	**mg/kg**		**mg/kg**						
Silver	1,200	100	ND	ND	ND	ND	ND	ND	ND
Aluminum	230,000	NL	15,000	16,000	14,000	15,000	11,000	14,000	12,000
Arsenic	68	20	**25**	**20**	**25**	**26**	13	3.9	**30**
Barium	46,000	1,000	130	88	190	280	45	29	110
Beryllium	470	90	ND	ND	ND	ND	ND	ND	ND
Calcium	NL	NL	2,500	1,200	3,900	3,300	1,200	900	500
Cadmium	210	70	ND	ND	ND	ND	ND	ND	ND
Cobalt	70	NL	6.9	4.7	5.5	7.4	2.3	2.1	5.4
Chromium	NL	100	23	18	32	41	15	13	**180**
Copper	9,400	NL	49	28	95	150	33	8.4	170
Iron	160,000	NL	15,000	15,000	19,000	24,000	15,000	13,000	16,000
Magnesium	NL	NL	2,200	1,900	1,900	1,800	1,200	1,400	2,500
Manganese	5,500	NL	400	380	290	380	100	120	180
Nickel	4,600	600	19	13	19	22	10	7.1	12
Lead	200	200	**550**	**300**	**570**	**1,300**	**1,300**	**750**	**600**
Antimony	94	20	ND	ND	ND	ND	ND	ND	ND
Vanadium	1,200	400	47	41	65	50	58	27	44
Zinc	70,000	1,000	290	120	170	510	340	90	99

ANALYTICAL METHODS

Samples analyzed by U.S. EPA OEME as follows:

Metals: EPA Region I SOP, LSBSOP-OPTIMAS1.

Metals in Soil by ICP-OES.

NOTES:

1) mg/kg = milligrams per kilogram
2) µg/kg = micrograms per kilogram
3) NL = Not Listed.
4) ND = Not Detected.
5) -- = Parameter not analyzed.
6) EPA RML-Res = US EPA Removal Management Level for Residential Soil.
7) MCP S-1 Standard = Massachusetts Contingency Plan Method 1 S-1 Soil Standard.
8) Sample results bolded and highlighted in RED indicate compounds exceeding the EPA Residential RML.
9) Sample results bolded and highlighted in YELLOW indicate compounds exceeding the MCP S-1 Standard.
10) Results are reported in the units noted.
11) A compound is listed in the table above only if it was detected in at least one of the samples analyzed. Compounds that were analyzed for, but not detected, have been omitted.

TABLE 4
SUMMARY OF METALS SOIL SAMPLE CONFIRMATION RESULTS
RIVERSIDE SQUARE PCB SITE
BOSTON (HYDE PARK), MASSACHUSETTS

	SAMPLE LOCATION:		E-600A	E-600B	E-750A	E-750B	E-775A	E-775B	E-775B
	SAMPLE NUMBER:		S50134MA-0083	S50134MA-0084	S50134MA-0095	S50134MA-0096	S50134MA-0097	S50134MA-0147	S50134MA-0098
	SAMPLE DEPTH:		0-1 feet	1-3 feet	0-1 feet	1-3 feet	0-1 feet	1-3 feet	1-3 feet
COMPOUND	EPA RML-Res	MCP S-1							(Field duplicate)
METALS	mg/kg		mg/kg						
Silver	1,200	100	ND	ND	ND	ND	ND	1.6	1.3
Aluminum	230,000	NL	15,000	16,000	17,000	13,000	11,000	16,000	16,000
Arsenic	68	20	17	8.9	19	18	19	**44**	**42**
Barium	46,000	1,000	87	90	95	86	**1,200**	460	440
Beryllium	470	90	ND	ND	ND	ND	ND	0.99	0.98
Calcium	NL	NL	1,600	1,300	1,200	1,100	8,200	4,600	3,900
Cadmium	210	70	ND	ND	ND	ND	4.1	1.1	1.2
Cobalt	70	NL	6.0	5.0	3.3	3.2	9.8	5.0	4.9
Chromium	NL	100	22	18	75	81	**190**	**770**	**700**
Copper	9,400	NL	36	22	81	88	330	580	540
Iron	160,000	NL	19,000	15,000	15,000	14,000	34,000	19,000	19,000
Magnesium	NL	NL	2,500	2,200	1,800	1,600	2,300	2,900	2,800
Manganese	5,500	NL	340	270	110	91	730	210	200
Nickel	4,600	600	18	12	13	14	40	19	19
Lead	200	200	**370**	160	**370**	**440**	**1,400**	**1,400**	**1,300**
Antimony	94	20	ND	ND	ND	ND	ND	5.4	ND
Vanadium	1,200	400	40	33	55	56	93	47	43
Zinc	70,000	1,000	160	120	50	50	770	350	330

ANALYTICAL METHODS

Samples analyzed by U.S. EPA OEME as follows:

Metals: EPA Region I SOP, LSBSOP-OPTIMAS1.

Metals in Soil by ICP-OES.

NOTES:

1) mg/kg = milligrams per kilogram
2) µg/kg = micrograms per kilogram
3) NL = Not Listed.
4) ND = Not Detected.
5) -- = Parameter not analyzed.
6) EPA RML-Res = US EPA Removal Management Level for Residential Soil.
7) MCP S-1 Standard = Massachusetts Contingency Plan Method 1 S-1 Soil Standard.
8) Sample results bolded and highlighted in RED indicate compounds exceeding the EPA Residential RML.
9) Sample results bolded and highlighted in YELLOW indicate compounds exceeding the MCP S-1 Standard.
10) Results are reported in the units noted.
11) A compound is listed in the table above only if it was detected in at least one of the samples analyzed. Compounds that were analyzed for, but not detected, have been omitted.

TABLE 4
SUMMARY OF METALS SOIL SAMPLE CONFIRMATION RESULTS
RIVERSIDE SQUARE PCB SITE
BOSTON (HYDE PARK), MASSACHUSETTS

	SAMPLE LOCATION:		E-800A	E-800B	EF-775A	EF-775B	F-600A	F-600B	F-625A
	SAMPLE NUMBER:		S50134MA-0099	S50134MA-0100	S50134MA-0105	S50134MA-0106	S50134MA-0109	S50134MA-0110	S50134MA-0111
	SAMPLE DEPTH:		0-1 feet	1-3 feet	0-1 feet	1-3 feet	0-1 feet	1-3 feet	0-1 feet
COMPOUND	**EPA RML-Res**	**MCP S-1**							
METALS	**mg/kg**		**mg/kg**						
Silver	1,200	100	1.3	ND	ND	ND	ND	ND	ND
Aluminum	230,000	NL	15,000	16,000	8,500	16,000	13,000	12,000	11,000
Arsenic	68	20	17	**53**	14	**62**	16	**24**	12
Barium	46,000	1,000	270	810	190	910	130	270	34
Beryllium	470	90	1.0	ND	ND	ND	ND	ND	ND
Calcium	NL	NL	3,300	4,000	2,500	2,600	1,900	1,800	790
Cadmium	210	70	3.9	5.2	1.7	3.2	1.3	1.1	ND
Cobalt	70	NL	5.9	8.7	3.8	5.6	6.0	7.2	2.3
Chromium	NL	100	**580**	**1,100**	**260**	**1,200**	97	**390**	34
Copper	9,400	NL	530	720	370	800	360	370	52
Iron	160,000	NL	12,000	17,000	10,000	19,000	18,000	17,000	13,000
Magnesium	NL	NL	2,600	2,900	2,000	2,700	2,000	2,200	1,300
Manganese	5,500	NL	140	210	91	140	270	280	75
Nickel	4,600	600	27	19	20	16	16	14	12
Lead	200	200	**980**	**1,500**	**690**	**1,500**	**800**	**890**	**240**
Antimony	94	20	ND	ND	ND	ND	ND	ND	ND
Vanadium	1,200	400	38	33	26	32	41	30	70
Zinc	70,000	1,000	730	**2,000**	360	**1,000**	270	190	45

ANALYTICAL METHODS

Samples analyzed by U.S. EPA OEME as follows:

Metals: EPA Region I SOP, LSBSOP-OPTIMAS1.

Metals in Soil by ICP-OES.

NOTES:

1) mg/kg = milligrams per kilogram
2) µg/kg = micrograms per kilogram
3) NL = Not Listed.
4) ND = Not Detected.
5) -- = Parameter not analyzed.
6) EPA RML-Res = US EPA Removal Management Level for Residential Soil.
7) MCP S-1 Standard = Massachusetts Contingency Plan Method 1 S-1 Soil Standard.
8) Sample results bolded and highlighted in RED indicate compounds exceeding the EPA Residential RML.
9) Sample results bolded and highlighted in YELLOW indicate compounds exceeding the MCP S-1 Standard.
10) Results are reported in the units noted.
11) A compound is listed in the table above only if it was detected in at least one of the samples analyzed. Compounds that were analyzed for, but not detected, have been omitted.

TABLE 4
SUMMARY OF METALS SOIL SAMPLE CONFIRMATION RESULTS
RIVERSIDE SQUARE PCB SITE
BOSTON (HYDE PARK), MASSACHUSETTS

	SAMPLE LOCATION:		F-625B	F-750A	F-750B	G-600A	W-003A	A-000A	B-000A
	SAMPLE NUMBER:		S50134MA-0112	S50134MA-0119	S50134MA-0120	S50134MA-0126	S50134MA-0139	S50134MA-0411	S50134MA-0340
	SAMPLE DEPTH:		1-3 feet	0-1 feet	1-3 feet	0-1 feet	0-1 feet	0-1 feet	0-1 foot
COMPOUND	**EPA RML-Res**	**MCP S-1**							
METALS	**mg/kg**		**mg/kg**						
Silver	1,200	100	ND	1.3	1.2	ND	1.1	ND	ND
Aluminum	230,000	NL	15,000	15,000	15,000	9,500	13,000	13,000	12,000
Arsenic	68	20	2.8	**27**	**38**	5.3	**49**	14	14
Barium	46,000	1,000	22	310	**1,100**	54	700	70	92
Beryllium	470	90	ND	1.0	ND	ND	ND	ND	ND
Calcium	NL	NL	590	3,700	2,600	1,700	1,800	2,300	3,400
Cadmium	210	70	ND	3.5	2.0	ND	1.4	ND	ND
Cobalt	70	NL	2.3	5.2	4.5	6.5	4.2	5.7	4.1
Chromium	NL	100	15	**840**	**750**	52	**740**	21	41
Copper	9,400	NL	6.6	590	600	44	590	37	59
Iron	160,000	NL	11,000	14,000	14,000	12,000	15,000	15,000	15,000
Magnesium	NL	NL	1,300	2,700	2,900	2,800	2,400	3,200	2,300
Manganese	5,500	NL	70	190	130	200	110	370	360
Nickel	4,600	600	6.6	22	15	12	15	15	14
Lead	200	200	17	**1,100**	**1,200**	**230**	**1,200**	**260**	**250**
Antimony	94	20	ND	ND	ND	ND	ND	ND	ND
Vanadium	1,200	400	28	34	33	29	30	55	55
Zinc	70,000	1,000	29	650	520	84	310	170	230

ANALYTICAL METHODS

Samples analyzed by U.S. EPA OEME as follows:

Metals: EPA Region I SOP, LSBSOP-OPTIMAS1.

Metals in Soil by ICP-OES.

NOTES:

1) mg/kg = milligrams per kilogram
2) µg/kg = micrograms per kilogram
3) NL = Not Listed.
4) ND = Not Detected.
5) -- = Parameter not analyzed.
6) EPA RML-Res = US EPA Removal Management Level for Residential Soil.
7) MCP S-1 Standard = Massachusetts Contingency Plan Method 1 S-1 Soil Standard.
8) Sample results bolded and highlighted in RED indicate compounds exceeding the EPA Residential RML.
9) Sample results bolded and highlighted in YELLOW indicate compounds exceeding the MCP S-1 Standard.
10) Results are reported in the units noted.
11) A compound is listed in the table above only if it was detected in at least one of the samples analyzed. Compounds that were analyzed for, but not detected, have been omitted.

TABLE 4
SUMMARY OF METALS SOIL SAMPLE CONFIRMATION RESULTS
RIVERSIDE SQUARE PCB SITE
BOSTON (HYDE PARK), MASSACHUSETTS

	SAMPLE LOCATION:		B-250A	B-250B	B-275A	B-275B	BB-025A	CC-150A	D-475A
	SAMPLE NUMBER:		S50134MA-0380	S50134MA-0383	S50134MA-0377	S50134MA-0378	S50134MA-0353	S50134MA-0368	S50134MA-0417
	SAMPLE DEPTH:		0-1 foot	1-3 feet	0-1 foot	1-3 feet	0-1 foot	0-1 foot	0-1 foot
COMPOUND	**EPA RML-Res**	**MCP S-1**							
METALS	**mg/kg**		**mg/kg**						
Silver	1,200	100	ND	ND	ND	ND	ND	ND	ND
Aluminum	230,000	NL	12,000	12,000	12,000	12,000	4,500	6,400	6,700
Arsenic	68	20	7.2	7.2	7.4	7.1	14	**32**	6.4
Barium	46,000	1,000	120	150	120	110	97	72	40
Beryllium	470	90	ND	ND	ND	ND	ND	ND	ND
Calcium	NL	NL	7,900	8,900	7,700	6,700	1,000	2,200	1,500
Cadmium	210	70	ND	ND	ND	ND	ND	ND	ND
Cobalt	70	NL	8.6	7.4	7.6	9.2	6.0	2.6	3.2
Chromium	NL	100	25	22	20	22	9.3	19	60
Copper	9,400	NL	100	68	77	71	67	59	46
Iron	160,000	NL	18,000	18,000	20,000	19,000	20,000	14,000	8,000
Magnesium	NL	NL	4,200	4,200	4,200	4,700	470	810	1,700
Manganese	5,500	NL	360	320	350	370	140	85	130
Nickel	4,600	600	21	19	19	21	13	21	7.4
Lead	200	200	**310**	**410**	**330**	**300**	**1,300**	**510**	120
Antimony	94	20	ND	ND	ND	ND	ND	ND	ND
Vanadium	1,200	400	35	36	32	36	57	130	24
Zinc	70,000	1,000	180	210	180	160	62	160	50

ANALYTICAL METHODS

Samples analyzed by U.S. EPA OEME as follows:

Metals: EPA Region I SOP, LSBSOP-OPTIMAS1.

Metals in Soil by ICP-OES.

NOTES:

1) mg/kg = milligrams per kilogram
2) µg/kg = micrograms per kilogram
3) NL = Not Listed.
4) ND = Not Detected.
5) -- = Parameter not analyzed.
6) EPA RML-Res = US EPA Removal Management Level for Residential Soil.
7) MCP S-1 Standard = Massachusetts Contingency Plan Method 1 S-1 Soil Standard.
8) Sample results bolded and highlighted in RED indicate compounds exceeding the EPA Residential RML.
9) Sample results bolded and highlighted in YELLOW indicate compounds exceeding the MCP S-1 Standard.
10) Results are reported in the units noted.
11) A compound is listed in the table above only if it was detected in at least one of the samples analyzed. Compounds that were analyzed for, but not detected, have been omitted.

TABLE 4
SUMMARY OF METALS SOIL SAMPLE CONFIRMATION RESULTS
RIVERSIDE SQUARE PCB SITE
BOSTON (HYDE PARK), MASSACHUSETTS

	SAMPLE LOCATION:		D-525A	D-550A	DD-025A	DD-175A	F-250A	G-675A
	SAMPLE NUMBER:		S50134MA-0154	S50134MA-0434	S50134MA-0435	S50134MA-0367	S50134MA-0178	S50134MA-0171
	SAMPLE DEPTH:		0-1 foot	0-1 foot	0-1 foot	0-1 foot	0-1 foot	0-1 foot
COMPOUND	**EPA RML-Res**	**MCP S-1**						
METALS	**mg/kg**		**mg/kg**					
Silver	1,200	100	ND	ND	ND	ND	ND	ND
Aluminum	230,000	NL	5,700	12,000	14,000	14,000	7,200	9,600
Arsenic	68	20	9.5	11	19	14	6.2	9.9
Barium	46,000	1,000	56	84	99	31	62	51
Beryllium	470	90	ND	ND	ND	ND	ND	ND
Calcium	NL	NL	1,300	2,000	2,300	1,000	2,200	1,200
Cadmium	210	70	ND	ND	ND	ND	ND	ND
Cobalt	70	NL	2.8	6.4	6.5	2.8	4.5	3.0
Chromium	NL	100	16	**120**	**250**	13	53	27
Copper	9,400	NL	38	79	240	19	57	100
Iron	160,000	NL	10,000	15,000	18,000	15,000	11,000	13,000
Magnesium	NL	NL	1,600	2,700	2,700	1,800	2,100	1,600
Manganese	5,500	NL	110	270	440	120	150	170
Nickel	4,600	600	12	20	20	8.7	9.9	15
Lead	200	200	**410**	**360**	**860**	170	**220**	**210**
Antimony	94	20	ND	ND	ND	ND	ND	ND
Vanadium	1,200	400	50	59	69	49	23	58
Zinc	70,000	1,000	51	92	160	37	140	200

ANALYTICAL METHODS

Samples analyzed by U.S. EPA OEME as follows:

Metals: EPA Region I SOP, LSBSOP-OPTIMAS1.

Metals in Soil by ICP-OES.

NOTES:

1) mg/kg = milligrams per kilogram
2) µg/kg = micrograms per kilogram
3) NL = Not Listed.
4) ND = Not Detected.
5) -- = Parameter not analyzed.
6) EPA RML-Res = US EPA Removal Management Level for Residential Soil.
7) MCP S-1 Standard = Massachusetts Contingency Plan Method 1 S-1 Soil Standard.
8) Sample results bolded and highlighted in RED indicate compounds exceeding the EPA Residential RML.
9) Sample results bolded and highlighted in YELLOW indicate compounds exceeding the MCP S-1 Standard.
10) Results are reported in the units noted.
11) A compound is listed in the table above only if it was detected in at least one of the samples analyzed. Compounds that were analyzed for, but not detected, have been omitted.

TABLE 5

SUMMARY OF PCB
CONFIRMATION LABORATORY DATA VERSUS LABORATORY SCREENING DATA
RIVERSIDE SQUARE PCB SITE
HYDE PARK (BOSTON), MASSACHUSETTS

Sample Location	Sample Number	Sample Depth (feet)	PCB Screening Result	PCB Lab Confirmation
MCP Method-1 S-1 Soil Standard			**1**	
MCP IH Soil Standard			**10**	
EPA RML - Residential (Aroclor 1248)			**23**	
A-125A	S50134MA-0006	0-1 feet	1.7	4.0
AA-075A	S50134MA-0374	0-1 feet	ND	ND
AA-100D	S50134MA-0143	0-1 feet	0.93	0.10
B-150B	S50134MA-0018	1-3 feet	2.1	4.3
B-275B	S50134MA-0378	1-3 feet	ND	ND
C-200A	S50134MA-0032	0-1 feet	0.73	1.7
C-275A	S50134MA-0397	0-1 feet	ND	ND
C-650B	S50134MA-0038	1-3 feet	ND	ND
D-175A	S50134MA-0366	0-1 feet	0.21	ND
D-250A	S50134MA-0376	0-1 feet	0.73	ND
D-350A	S50134MA-0390	0-1 feet	1	1.48
D-375B	S50134MA-0394	1-3 feet	ND	0.19
D-400B	S50134MA-0395	1-3 feet	ND	ND
D-525A	S50134MA-0154	0-1 feet	0.58	2.6
D-550A	S50134MA-0434	0-1 feet	0.78	0.62
D-575B	S50134MA-0058	1-3 feet	ND	ND
D-775B	S50134MA-0072	1-3 feet	ND	ND
DD-075A	S50134MA-0075	0-1 feet	ND	ND
E-000A	S50134MA-0325	0-1 feet	0.92	1.21
E-325A	S50134MA-0385	0-1 feet	1.1	2.6
E-425B	S50134MA-0157	1-3 feet	1.9	1.91
E-475A	S50134MA-0159	0-1 feet	0.25	0.78
E-550A	S50134MA-0163	0-1 feet	0.51	1.42
E-675A	S50134MA-0089	0-1 feet	0.20	0.34

NOTES:

All results in milligrams per kilogram (mg/kg).

PCB = Polychlorinated biphenyl.

ND = Not detected above the laboratory reporting limit.

MCP Method-1 S-1 Soil Standard = Massachusetts Contingency Plan Method 1 S-1 Soil Standard.

MCP IH Soil Standard = Massachusetts Contingency Plan Imminent Hazard Soil Standard.

EPA RML - Residential = EPA Regional Management Level for Residential Soil, HQ=3.

Sample results highlighted in YELLOW exceed the MCP Method 1 S-1 Soil Standard.

Sample results highlighted in ORANGE exceed the MCP IH Soil Standard.

Sample results highlighted in RED exceed the EPA RML - Residential.

TABLE 5

SUMMARY OF PCB
CONFIRMATION LABORATORY DATA VERSUS LABORATORY SCREENING DATA
RIVERSIDE SQUARE PCB SITE
HYDE PARK (BOSTON), MASSACHUSETTS

Sample Location	Sample Number	Sample Depth (feet)	PCB Screening Result	PCB Lab Confirmation
MCP Method-1 S-1 Soil Standard			**1**	
MCP IH Soil Standard			**10**	
EPA RML - Residential (Aroclor 1248)			**23**	
EE-125D	S50134MA-0146	1-3 feet	ND	ND
EE-200A	S50134MA-0413	0-1 feet	ND	0.16
EF-775A	S50134MA-0105	0-1 feet	0.83	9.1
F-100A	S50134MA-0313	0-1 feet	0.79	2.2
F-225A	S50134MA-0289	0-1 feet	2.3	2.4
F-325A	S50134MA-0182	0-1 feet	0.48	0.92
F-400B	S50134MA-0186	1-3 feet	1.8	1.78
F-500A	S50134MA-0167	0-1 feet	0.71	1.53
F-700A	S50134MA-0115	0-1 feet	ND	0.26
FF-075A	S50134MA-0122	0-1 feet	3.1	4.1
FF-175A	S50134MA-0401	0-1 feet	1.1	1.51
G-050A	S50134MA-0314	0-1 feet	0.49	1.5
G-175A	S50134MA-0427	0-1 feet	0.71	1.52
G-225B	S50134MA-0299	1-3 feet	0.98	1.97
G-300A	S50134MA-0190	0-1 feet	1.34	1.63
G-425A	S50134MA-0195	1-3 feet	1.77	2.8
G-550A	S50134MA-0200	0-1 feet	1.89	4
H-250A	S50134MA-0202	0-1 feet	ND	1.24
H-300A	S50134MA-0204	0-1 feet	2.4	3.6
H-400A	S50134MA-0208	0-1 feet	1.14	2.03
H-500A	S50134MA-0211	0-1 feet	0.75	1.26
H-625B	S50134MA-0174	1-3 feet	2.5	2.4
W-001B	S50134MA-0137	1-3 feet	8.2	5.7
W-004A	S50134MA-0140	0-1 feet	12	18

NOTES:

All results in milligrams per kilogram (mg/kg).

PCB = Polychlorinated biphenyl.

ND = Not detected above the laboratory reporting limit.

MCP Method-1 S-1 Soil Standard = Massachusetts Contingency Plan Method 1 S-1 Soil Standard.

MCP IH Soil Standard = Massachusetts Contingency Plan Imminent Hazard Soil Standard.

EPA RML - Residential = EPA Regional Management Level for Residential Soil, HQ=3.

Sample results highlighted in YELLOW exceed the MCP Method 1 S-1 Soil Standard.

Sample results highlighted in ORANGE exceed the MCP IH Soil Standard.

Sample results highlighted in RED exceed the EPA RML - Residential.

TABLE 6

SUMMARY OF METALS
CONFIRMATION LABORATORY DATA VERSUS X-RAY FLUORESCENCE FIELD SCREENING DATA
RIVERSIDE SQUARE PCB SITE
HYDE PARK (BOSTON), MASSACHUSETTS

Sample Location	Sample Number	Sample Depth (feet)	Arsenic Screening Result	Arsenic Lab Confirmation	Chromium Screening Result	Chromium Lab Confirmation	Lead Screening Result	Lead Lab Confirmation
MCP Method-1 S-1 Soil Standard			20		100		200	
EPA RML-Res			68		NL		200	
A-025A	S50134MA-0001	0-1	ND	11	59	24	199	**210**
A-050A	S50134MA-0002	0-1	ND	7.2	61	43	120	130
A-050B	S50134MA-0003	1-3	ND	12	98	**110**	**306**	**360**
B-025A	S50134MA-0010	0-1	ND	11	47	26	169	160
B-025B	S50134MA-0011	1-3	11	12	56	35	**202**	**200**
C-575A	S50134MA-0033	0-1	ND	16	38	19	**350**	**480**
C-575B	S50134MA-0034	1-3	ND	13	42	17	173	**330**
C-600A	S50134MA-0035	0-1	ND	9.9	39	15	**275**	**350**
C-700A	S50134MA-0041	0-1	**21**	19	41	20	123	120
C-700B	S50134MA-0042	1-3	ND	7.5	54	22	57	35
D-575A	S50134MA-0057	0-1	15	**24**	45	22	**355**	**440**
D-575B	S50134MA-0058	1-3	ND	8.4	41	21	80	90
D-600A	S50134MA-0059	0-1	ND	17	37	19	**485**	**570**
D-600B	S50134MA-0060	1-3	ND	7.7	47	20	174	180
D-625A	S50134MA-0061	0-1	15	**25**	49	23	**423**	**550**
D-675A	S50134MA-0064	0-1	ND	**20**	40	18	**244**	**300**
D-775A	S50134MA-0071	0-1	14	**25**	43	32	**385**	**570**
D-775B	S50134MA-0072	1-3	ND	**26**	57	41	**792**	**1,300**
DD-050A	S50134MA-0073	0-1	ND	13	38	15	**1,168**	**1,300**
DD-050B	S50134MA-0074	1-3	ND	3.9	28	13	**677**	**750**
E-575A	S50134MA-0082	0-1	**20**	**30**	**146**	**180**	**501**	**600**
E-600A	S50134MA-0083	0-1	ND	17	41	22	**284**	**370**
E-600B	S50134MA-0084	1-3	ND	8.9	40	18	116	160
E-750A	S50134MA-0095	0-1	**21**	19	66	75	**269**	**370**
E-750B	S50134MA-0096	1-3	**27**	18	78	81	**322**	**440**
E-775A	S50134MA-0097	0-1	ND	19	84	**190**	**875**	**1,400**
E-775B	S50134MA-0147	1-3	ND	**44**	**313**	**770**	**754**	**1,400**
E-775B	S50134MA-0098	1-3	ND	**42**	**355**	**700**	**828**	**1,300**
E-800A	S50134MA-0099	0-1	ND	17	**161**	**580**	**457**	**980**
E-800B	S50134MA-0100	1-3	ND	**53**	**218**	**1,100**	**431**	**1,500**
EF-775A	S50134MA-0105	0-1	ND	14	**136**	**260**	**512**	**690**
EF-775B	S50134MA-0106	1-3	ND	**62**	**216**	**1,200**	**442**	**1,500**

NOTES:

All results in milligrams per kilogram (mg/kg).

All samples field screened via X-Ray Fluorescence (XRF).

Confirmatory metals samples analyzed by U.S. EPA Laboratory Services and Applied Science Division (LSASD) using EPA Region I SOP, LSBSOP-OPTIMAS1, Metals in Soil by ICP-OES.

ND = Not detected above the laboratory reporting limit.

MCP Method-1 S-1 Soil Standard = Massachusetts Contingency Plan Method 1 S-1 Soil Standard.

EPA RML-Res = US EPA Removal Management Level for Residential Soil.

Sample results higlighted in YELLOW indicate compounds exceeding the MCP S-1 Soil Standard.

Sample results higlighted in RED indicate compounds exceeding the EPA Residential RML.

TABLE 6

SUMMARY OF METALS
CONFIRMATION LABORATORY DATA VERSUS X-RAY FLUORESCENCE FIELD SCREENING DATA
RIVERSIDE SQUARE PCB SITE
HYDE PARK (BOSTON), MASSACHUSETTS

Sample Location	Sample Number	Sample Depth (feet)	Arsenic Screening Result	Arsenic Lab Confirmation	Chromium Screening Result	Chromium Lab Confirmation	Lead Screening Result	Lead Lab Confirmation
MCP Method-1 S-1 Soil Standard			20		100		200	
EPA RML-Res			68		NL		200	
F-600A	S50134MA-0109	0-1	ND	16	**110**	97	**646**	**800**
F-600B	S50134MA-0110	1-3	18	**24**	**272**	**390**	**705**	**890**
F-625A	S50134MA-0111	0-1	ND	12	53	34	**208**	**240**
F-625B	S50134MA-0112	1-3	ND	2.8	34	15	26	17
F-750A	S50134MA-0119	0-1	**22**	**27**	**309**	**840**	**598**	**1,100**
F-750B	S50134MA-0120	1-3	ND	**38**	**150**	**750**	**464**	**1,200**
G-600A	S50134MA-0126	0-1	ND	5.3	63	52	**204**	**230**
W-003A	S50134MA-0139	0-1	ND	**49**	**222**	**740**	**504**	**1,200**
A-000A	S50134MA-0411	0-1	**21**	14	40	21	**241**	**260**
B-000A	S50134MA-0340	0-1	16	14	13	41	**269**	**250**
B-250A	S50134MA-0380	0-1	**22**	7.2	49	25	165	**310**
B-250B	S50134MA-0383	1-3	**33**	7.2	51	22	**229**	**410**
B-275A	S50134MA-0377	0-1	8.28	7.4	52	20	190	**330**
B-275B	S50134MA-0378	1-3	18	7.1	54	22	**378**	**300**
BB-025A	S50134MA-0353	0-1	**202**	14	15	9.3	**2,372**	**1,300**
CC-150A	S50134MA-0368	0-1	**32**	**32**	7.1	19	**336**	**510**
D-475A	S50134MA-0417	0-1	14	6.4	64	60	118	120
D-525A	S50134MA-0154	0-1	**23**	9.5	**104**	16	**417**	**410**
D-550A	S50134MA-0434	0-1	**26**	11	**114**	**120**	**207**	**360**
DD-025A	S50134MA-0435	0-1	19	19	37	**250**	**235**	**860**
DD-175A	S50134MA-0367	0-1	**41**	14	26	13	**316**	170
F-250A	S50134MA-0178	0-1	4.1	6.2	56	53	**243**	**220**
G-675A	S50134MA-0171	0-1	**23**	9.9	42	27	187	**210**

NOTES:

All results in milligrams per kilogram (mg/kg).

All samples field screened via X-Ray Fluorescence (XRF).

Confirmatory metals samples analyzed by U.S. EPA Laboratory Services and Applied Science Division (LSASD) using EPA Region I SOP, LSBSOP-OPTIMAS1, Metals in Soil by ICP-OES.

ND = Not detected above the laboratory reporting limit.

MCP Method-1 S-1 Soil Standard = Massachusetts Contingency Plan Method 1 S-1 Soil Standard.

EPA RML-Res = US EPA Removal Management Level for Residential Soil.

Sample results higlighted in YELLOW indicate compounds exceeding the MCP S-1 Soil Standard.

Sample results higlighted in RED indicate compounds exceeding the EPA Residential RML.

Appendix C

Photo Documentation Log

PHOTO DOCUMENTATION LOG
Riverside Square PCB ● Boston, Massachusetts

SCENE: View of heavy overgrowth and debris (note abandoned car) on Area A behind Area G. Photograph taken facing northwest.

DATE: 2 May 2023 **TIME:** 1424 hours
PHOTOGRAPHER: B. Mace **CAMERA:** Apple iPhone 13

SCENE: View of personnel advancing soil borings using hand augers on Area B. Photograph taken facing southeast.

DATE: 5 May 2023 **TIME:** 0923 hours
PHOTOGRAPHER: B. Mace **CAMERA:** Apple iPhone 13

SCENE: View of sample locations on Area C. Photograph taken facing southeast.

DATE: 5 May 2023 **TIME:** 1116 hours
PHOTOGRAPHER: B. Mace **CAMERA:** Apple iPhone 13

SCENE: View of sample locations on Area B. Photograph taken facing south.

DATE: 5 May 2023 **TIME:** 1116 hours
PHOTOGRAPHER: B. Mace **CAMERA:** Apple iPhone 13

SCENE: View of the intersection of Riverside Square and Pierce Street and the entrance/path that leads into Area A. Photograph taken facing south.
DATE: 15 June 2023 **TIME:** 1148 hours
PHOTOGRAPHER: L. Trainor **CAMERA:** Apple iPhone 13

SCENE: View of entrance into Area A from Riverside Square/Pierce Street intersection. Photograph taken facing south.

DATE: 15 June 2023 **TIME:** 1148 hours
PHOTOGRAPHER: L. Trainor **CAMERA:** Apple iPhone 13

SCENE: View of a portion of damaged fence on Area A. Photograph taken facing south.

DATE: 15 June 2023 **TIME:** 1150 hours
PHOTOGRAPHER: L. Trainor **CAMERA:** Apple iPhone 13

SCENE: View of the westernmost portion of Area A. Photograph taken facing west.

DATE: 15 June 2023 **TIME:** 1151 hours
PHOTOGRAPHER: L. Trainor **CAMERA:** Apple iPhone 13

SCENE: View of a portion of Area A along the river. Photograph taken facing east.

DATE: 19 June 2023 **TIME:** 1306 hours
PHOTOGRAPHER: L. Trainor **CAMERA:** Apple iPhone 13

SCENE: View of the walking path along the river's edge. Photograph taken facing east.

DATE: 19 June 2023 **TIME:** 1306 hours
PHOTOGRAPHER: L. Trainor **CAMERA:** Apple iPhone 13

SCENE: View of the walking path along the river's edge. Photograph taken facing east.

DATE: 19 June 2023 **TIME:** 1306 hours
PHOTOGRAPHER: L. Trainor **CAMERA:** Apple iPhone 13

SCENE: View of the path leading into Area A from the Riverside Square/Pierce Street intersection. Photograph taken facing southwest.
DATE: 19 June 2023 **TIME:** 1307 hours
PHOTOGRAPHER: L. Trainor **CAMERA:** Apple iPhone 13

Appendix D

Analytical Data and Chain-of-Custody Records

United States Environmental Protection Agency
Laboratory Services and Applied Science Division
11 Technology Drive
North Chelmsford, MA 01863-2431

Laboratory Report

May 31, 2023

Tom Hatzopoulos (2-MO)
US EPA New England R1

Project Number: 23050011
Project: Riverside Square PCB - Boston, MA
Analysis: PCB's in Soil Field Method (Fixed Lab)
EPA Chemist: Phillip Gudgel

Date Samples Received by the Laboratory: 05/08/2023

Analytical Procedure:

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

Sample preparation and analysis was done following the EPA Region I SOP, LSBSOP-FLDPCB4.

Concentrations of PCBs in soil were calculated using an external standard technique.

Analysis for PCB's performed by this field analytical technique is used for tentative identification and semi-quantitation of PCB's in soil, oil, and sediment samples.

Soil PCB results are based on sample wet weight.

Data were reviewed in accordance with the internal verification procedures described in the EPA New England Quality Manual for NERL.

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 BOUDREAU

Digitally signed by DANIEL BOUDREAU
Date: 2023.05.31 13:13:27 -04'00'

23050011$FLFPCB

Qualifiers:

RL = Reporting limit
ND = Not Detected above Reporting limit
NA = Not Applicable due to high sample dilutions or sample interferences
NC = Not calculated since analyte concentration is ND.
J = Estimated value
J1 = Estimated value due to MS recovery outside accceptance criteria
J2 = Estimated value due to LFB result outside acceptance criteria
J3 = Estimated value due to RPD result outside acceptance criteria
J4 = Estimated value due to LCS result outside acceptance criteria
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.
R = No recovery was calculated since the analyte concentration is greater than four times the spike level.
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.
A = Suspected Aldol condensation product.
N = Tentatively identified compound.

Riverside Square PCB - Boston, MA

PCB's in Soil Field Method (Fixed Lab)

Client Sample ID:	S50134-0033	Lab Sample ID:	AC05701
Date of Collection:	5/04/2023	Matrix:	Soil
Date of Preparation:	5/10/2023	Amount Prepared:	N/A
Date of Analysis:	5/11/2023	Percent Solids:	N/A
Dry Weight Prepared:	N/A	Extract Dilution:	1
Wet Weight Prepared:	1.79 grams	pH:	N/A
Volume Extracted:	N/A	GPC Factor:	N/A
Final 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	

Riverside Square PCB - Boston, MA

PCB's in Soil Field Method (Fixed Lab)

Client Sample ID:	S50134-0034	Lab Sample ID:	AC05702
Date of Collection:	5/04/2023	Matrix:	Soil
Date of Preparation:	5/10/2023	Amount Prepared:	N/A
Date of Analysis:	5/11/2023	Percent Solids:	N/A
Dry Weight Prepared:	N/A	Extract Dilution:	1
Wet Weight Prepared:	1.42 grams	pH:	N/A
Volume Extracted:	N/A	GPC Factor:	N/A
Final 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	

Riverside Square PCB - Boston, MA

PCB's in Soil Field Method (Fixed Lab)

Client Sample ID:	S50134-0035	Lab Sample ID:	AC05703
Date of Collection:	5/04/2023	Matrix:	Soil
Date of Preparation:	5/10/2023	Amount Prepared:	N/A
Date of Analysis:	5/11/2023	Percent Solids:	N/A
Dry Weight Prepared:	N/A	Extract Dilution:	1
Wet Weight Prepared:	1.78 grams	pH:	N/A
Volume Extracted:	N/A	GPC Factor:	N/A
Final 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	

Riverside Square PCB - Boston, MA

PCB's in Soil Field Method (Fixed Lab)

Client Sample ID:	S50134-0036	Lab Sample ID:	AC05704
Date of Collection:	5/04/2023	Matrix:	Soil
Date of Preparation:	5/10/2023	Amount Prepared:	N/A
Date of Analysis:	5/11/2023	Percent Solids:	N/A
Dry Weight Prepared:	N/A	Extract Dilution:	1
Wet Weight Prepared:	1.72 grams	pH:	N/A
Volume Extracted:	N/A	GPC Factor:	N/A
Final 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	

Riverside Square PCB - Boston, MA

Laboratory Blank

Client Sample ID:	N/A	Lab Sample ID:	N/A
Date of Collection:	N/A	Matrix:	Soil
Date of Preparation:	5/10/2023	Amount Prepared:	N/A
Date of Analysis:	5/11/2023	Percent Solids:	N/A
Dry Weight Prepared:	N/A	Extract Dilution:	1
Wet Weight Prepared:	N/A	pH:	N/A
Volume Extracted:	N/A	GPC Factor:	N/A
Final 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	

Riverside Square PCB - Boston, MA

PCB's in Soil Field Method (Fixed Lab)

Client Sample ID:	S50134-0037	Lab Sample ID:	AC05705
Date of Collection:	5/04/2023	Matrix:	Soil
Date of Preparation:	5/10/2023	Amount Prepared:	N/A
Date of Analysis:	5/11/2023	Percent Solids:	N/A
Dry Weight Prepared:	N/A	Extract Dilution:	1
Wet Weight Prepared:	1.71 grams	pH:	N/A
Volume Extracted:	N/A	GPC Factor:	N/A
Final 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	

Riverside Square PCB - Boston, MA

PCB's in Soil Field Method (Fixed Lab)

Client Sample ID:	S50134-0038	Lab Sample ID:	AC05706
Date of Collection:	5/04/2023	Matrix:	Soil
Date of Preparation:	5/10/2023	Amount Prepared:	N/A
Date of Analysis:	5/11/2023	Percent Solids:	N/A
Dry Weight Prepared:	N/A	Extract Dilution:	1
Wet Weight Prepared:	1.89 grams	pH:	N/A
Volume Extracted:	N/A	GPC Factor:	N/A
Final 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	

Riverside Square PCB - Boston, MA

PCB's in Soil Field Method (Fixed Lab)

Client Sample ID:	S50134-0039	Lab Sample ID:	AC05707
Date of Collection:	5/04/2023	Matrix:	Soil
Date of Preparation:	5/10/2023	Amount Prepared:	N/A
Date of Analysis:	5/11/2023	Percent Solids:	N/A
Dry Weight Prepared:	N/A	Extract Dilution:	1
Wet Weight Prepared:	1.84 grams	pH:	N/A
Volume Extracted:	N/A	GPC Factor:	N/A
Final 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	

Riverside Square PCB - Boston, MA

PCB's in Soil Field Method (Fixed Lab)

Client Sample ID:	S50134-0040	Lab Sample ID:	AC05708
Date of Collection:	5/04/2023	Matrix:	Soil
Date of Preparation:	5/10/2023	Amount Prepared:	N/A
Date of Analysis:	5/11/2023	Percent Solids:	N/A
Dry Weight Prepared:	N/A	Extract Dilution:	1
Wet Weight Prepared:	2.16 grams	pH:	N/A
Volume Extracted:	N/A	GPC Factor:	N/A
Final 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	

Riverside Square PCB - Boston, MA

PCB's in Soil Field Method (Fixed Lab)

Client Sample ID:	S50134-0041	Lab Sample ID:	AC05709
Date of Collection:	5/04/2023	Matrix:	Soil
Date of Preparation:	5/10/2023	Amount Prepared:	N/A
Date of Analysis:	5/11/2023	Percent Solids:	N/A
Dry Weight Prepared:	N/A	Extract Dilution:	1
Wet Weight Prepared:	1.71 grams	pH:	N/A
Volume Extracted:	N/A	GPC Factor:	N/A
Final 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	

Riverside Square PCB - Boston, MA

PCB's in Soil Field Method (Fixed Lab)

Client Sample ID:	S50134-0042	Lab Sample ID:	AC05710
Date of Collection:	5/04/2023	Matrix:	Soil
Date of Preparation:	5/10/2023	Amount Prepared:	N/A
Date of Analysis:	5/11/2023	Percent Solids:	N/A
Dry Weight Prepared:	N/A	Extract Dilution:	1
Wet Weight Prepared:	1.86 grams	pH:	N/A
Volume Extracted:	N/A	GPC Factor:	N/A
Final 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	

Riverside Square PCB - Boston, MA

PCB's in Soil Field Method (Fixed Lab)

Client Sample ID:	S50134-0043	Lab Sample ID:	AC05711
Date of Collection:	5/04/2023	Matrix:	Soil
Date of Preparation:	5/10/2023	Amount Prepared:	N/A
Date of Analysis:	5/11/2023	Percent Solids:	N/A
Dry Weight Prepared:	N/A	Extract Dilution:	1
Wet Weight Prepared:	1.99 grams	pH:	N/A
Volume Extracted:	N/A	GPC Factor:	N/A
Final 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	

Riverside Square PCB - Boston, MA

PCB's in Soil Field Method (Fixed Lab)

Client Sample ID:	S50134-0044	Lab Sample ID:	AC05712
Date of Collection:	5/04/2023	Matrix:	Soil
Date of Preparation:	5/10/2023	Amount Prepared:	N/A
Date of Analysis:	5/11/2023	Percent Solids:	N/A
Dry Weight Prepared:	N/A	Extract Dilution:	1
Wet Weight Prepared:	2.10 grams	pH:	N/A
Volume Extracted:	N/A	GPC Factor:	N/A
Final 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	

Riverside Square PCB - Boston, MA

PCB's in Soil Field Method (Fixed Lab)

Client Sample ID:	S50134-0045	Lab Sample ID:	AC05713
Date of Collection:	5/04/2023	Matrix:	Soil
Date of Preparation:	5/10/2023	Amount Prepared:	N/A
Date of Analysis:	5/11/2023	Percent Solids:	N/A
Dry Weight Prepared:	N/A	Extract Dilution:	1
Wet Weight Prepared:	1.83 grams	pH:	N/A
Volume Extracted:	N/A	GPC Factor:	N/A
Final 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	

Riverside Square PCB - Boston, MA

PCB's in Soil Field Method (Fixed Lab)

Client Sample ID:	S50134-0046	Lab Sample ID:	AC05714
Date of Collection:	5/04/2023	Matrix:	Soil
Date of Preparation:	5/10/2023	Amount Prepared:	N/A
Date of Analysis:	5/11/2023	Percent Solids:	N/A
Dry Weight Prepared:	N/A	Extract Dilution:	1
Wet Weight Prepared:	1.63 grams	pH:	N/A
Volume Extracted:	N/A	GPC Factor:	N/A
Final 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	

Riverside Square PCB - Boston, MA

PCB's in Soil Field Method (Fixed Lab)

Client Sample ID:	S50134-0047	Lab Sample ID:	AC05715
Date of Collection:	5/04/2023	Matrix:	Soil
Date of Preparation:	5/10/2023	Amount Prepared:	N/A
Date of Analysis:	5/11/2023	Percent Solids:	N/A
Dry Weight Prepared:	N/A	Extract Dilution:	1
Wet Weight Prepared:	1.53 grams	pH:	N/A
Volume Extracted:	N/A	GPC Factor:	N/A
Final 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	

Riverside Square PCB - Boston, MA

PCB's in Soil Field Method (Fixed Lab)

Client Sample ID:	S50134-0048	Lab Sample ID:	AC05716
Date of Collection:	5/04/2023	Matrix:	Soil
Date of Preparation:	5/10/2023	Amount Prepared:	N/A
Date of Analysis:	5/11/2023	Percent Solids:	N/A
Dry Weight Prepared:	N/A	Extract Dilution:	1
Wet Weight Prepared:	1.78 grams	pH:	N/A
Volume Extracted:	N/A	GPC Factor:	N/A
Final 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	

Riverside Square PCB - Boston, MA

PCB's in Soil Field Method (Fixed Lab)

Client Sample ID:	S50134-0057	Lab Sample ID:	AC05717
Date of Collection:	5/04/2023	Matrix:	Soil
Date of Preparation:	5/10/2023	Amount Prepared:	N/A
Date of Analysis:	5/11/2023	Percent Solids:	N/A
Dry Weight Prepared:	N/A	Extract Dilution:	1
Wet Weight Prepared:	1.47 grams	pH:	N/A
Volume Extracted:	N/A	GPC Factor:	N/A
Final 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	

Riverside Square PCB - Boston, MA

PCB's in Soil Field Method (Fixed Lab)

Client Sample ID:	S50134-0058	Lab Sample ID:	AC05718
Date of Collection:	5/04/2023	Matrix:	Soil
Date of Preparation:	5/10/2023	Amount Prepared:	N/A
Date of Analysis:	5/11/2023	Percent Solids:	N/A
Dry Weight Prepared:	N/A	Extract Dilution:	1
Wet Weight Prepared:	1.57 grams	pH:	N/A
Volume Extracted:	N/A	GPC Factor:	N/A
Final 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	

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PCB's in Soil Field Method (Fixed Lab)

Client Sample ID:	S50134-0059	Lab Sample ID:	AC05719
Date of Collection:	5/04/2023	Matrix:	Soil
Date of Preparation:	5/10/2023	Amount Prepared:	N/A
Date of Analysis:	5/11/2023	Percent Solids:	N/A
Dry Weight Prepared:	N/A	Extract Dilution:	1
Wet Weight Prepared:	2.11 grams	pH:	N/A
Volume Extracted:	N/A	GPC Factor:	N/A
Final 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	

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PCB's in Soil Field Method (Fixed Lab)

Client Sample ID:	S50134-0060	Lab Sample ID:	AC05720
Date of Collection:	5/04/2023	Matrix:	Soil
Date of Preparation:	5/10/2023	Amount Prepared:	N/A
Date of Analysis:	5/11/2023	Percent Solids:	N/A
Dry Weight Prepared:	N/A	Extract Dilution:	1
Wet Weight Prepared:	1.61 grams	pH:	N/A
Volume Extracted:	N/A	GPC Factor:	N/A
Final 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	

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PCB's in Soil Field Method (Fixed Lab)

Client Sample ID:	S50134-0061	Lab Sample ID:	AC05721
Date of Collection:	5/04/2023	Matrix:	Soil
Date of Preparation:	5/10/2023	Amount Prepared:	N/A
Date of Analysis:	5/11/2023	Percent Solids:	N/A
Dry Weight Prepared:	N/A	Extract Dilution:	1
Wet Weight Prepared:	1.51 grams	pH:	N/A
Volume Extracted:	N/A	GPC Factor:	N/A
Final 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	

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PCB's in Soil Field Method (Fixed Lab)

Client Sample ID:	S50134-0062	Lab Sample ID:	AC05722
Date of Collection:	5/04/2023	Matrix:	Soil
Date of Preparation:	5/10/2023	Amount Prepared:	N/A
Date of Analysis:	5/11/2023	Percent Solids:	N/A
Dry Weight Prepared:	N/A	Extract Dilution:	1
Wet Weight Prepared:	2.03 grams	pH:	N/A
Volume Extracted:	N/A	GPC Factor:	N/A
Final 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	

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PCB's in Soil Field Method (Fixed Lab)

Client Sample ID:	S50134-0063	Lab Sample ID:	AC05723
Date of Collection:	5/04/2023	Matrix:	Soil
Date of Preparation:	5/10/2023	Amount Prepared:	N/A
Date of Analysis:	5/11/2023	Percent Solids:	N/A
Dry Weight Prepared:	N/A	Extract Dilution:	1
Wet Weight Prepared:	1.47 grams	pH:	N/A
Volume Extracted:	N/A	GPC Factor:	N/A
Final 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	

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PCB's in Soil Field Method (Fixed Lab)

Client Sample ID:	S50134-0064	Lab Sample ID:	AC05724
Date of Collection:	5/04/2023	Matrix:	Soil
Date of Preparation:	5/10/2023	Amount Prepared:	N/A
Date of Analysis:	5/11/2023	Percent Solids:	N/A
Dry Weight Prepared:	N/A	Extract Dilution:	1
Wet Weight Prepared:	1.85 grams	pH:	N/A
Volume Extracted:	N/A	GPC Factor:	N/A
Final 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	

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PCB's in Soil Field Method (Fixed Lab)

Client Sample ID:	S50134-0065	Lab Sample ID:	AC05725
Date of Collection:	5/04/2023	Matrix:	Soil
Date of Preparation:	5/10/2023	Amount Prepared:	N/A
Date of Analysis:	5/11/2023	Percent Solids:	N/A
Dry Weight Prepared:	N/A	Extract Dilution:	1
Wet Weight Prepared:	1.64 grams	pH:	N/A
Volume Extracted:	N/A	GPC Factor:	N/A
Final 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	

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PCB's in Soil Field Method (Fixed Lab)

Client Sample ID:	S50134-0066	Lab Sample ID:	AC05726
Date of Collection:	5/04/2023	Matrix:	Soil
Date of Preparation:	5/10/2023	Amount Prepared:	N/A
Date of Analysis:	5/11/2023	Percent Solids:	N/A
Dry Weight Prepared:	N/A	Extract Dilution:	1
Wet Weight Prepared:	1.75 grams	pH:	N/A
Volume Extracted:	N/A	GPC Factor:	N/A
Final 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	

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PCB's in Soil Field Method (Fixed Lab)

Client Sample ID:	S50134-0067	Lab Sample ID:	AC05727
Date of Collection:	5/04/2023	Matrix:	Soil
Date of Preparation:	5/10/2023	Amount Prepared:	N/A
Date of Analysis:	5/11/2023	Percent Solids:	N/A
Dry Weight Prepared:	N/A	Extract Dilution:	1
Wet Weight Prepared:	1.60 grams	pH:	N/A
Volume Extracted:	N/A	GPC Factor:	N/A
Final 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	

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PCB's in Soil Field Method (Fixed Lab)

Client Sample ID:	S50134-0068	Lab Sample ID:	AC05728
Date of Collection:	5/04/2023	Matrix:	Soil
Date of Preparation:	5/10/2023	Amount Prepared:	N/A
Date of Analysis:	5/12/2023	Percent Solids:	N/A
Dry Weight Prepared:	N/A	Extract Dilution:	1
Wet Weight Prepared:	2.13 grams	pH:	N/A
Volume Extracted:	N/A	GPC Factor:	N/A
Final 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	

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PCB's in Soil Field Method (Fixed Lab)

Client Sample ID:	S50134-0069	Lab Sample ID:	AC05729
Date of Collection:	5/04/2023	Matrix:	Soil
Date of Preparation:	5/10/2023	Amount Prepared:	N/A
Date of Analysis:	5/12/2023	Percent Solids:	N/A
Dry Weight Prepared:	N/A	Extract Dilution:	1
Wet Weight Prepared:	1.42 grams	pH:	N/A
Volume Extracted:	N/A	GPC Factor:	N/A
Final 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	

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PCB's in Soil Field Method (Fixed Lab)

Client Sample ID:	S50134-0070	Lab Sample ID:	AC05730
Date of Collection:	5/04/2023	Matrix:	Soil
Date of Preparation:	5/10/2023	Amount Prepared:	N/A
Date of Analysis:	5/12/2023	Percent Solids:	N/A
Dry Weight Prepared:	N/A	Extract Dilution:	1
Wet Weight Prepared:	2.16 grams	pH:	N/A
Volume Extracted:	N/A	GPC Factor:	N/A
Final 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	

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PCB's in Soil Field Method (Fixed Lab)

Client Sample ID:	S50134-0071	Lab Sample ID:	AC05731
Date of Collection:	5/04/2023	Matrix:	Soil
Date of Preparation:	5/10/2023	Amount Prepared:	N/A
Date of Analysis:	5/12/2023	Percent Solids:	N/A
Dry Weight Prepared:	N/A	Extract Dilution:	1
Wet Weight Prepared:	1.42 grams	pH:	N/A
Volume Extracted:	N/A	GPC Factor:	N/A
Final 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	

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PCB's in Soil Field Method (Fixed Lab)

Client Sample ID:	S50134-0072	Lab Sample ID:	AC05732
Date of Collection:	5/04/2023	Matrix:	Soil
Date of Preparation:	5/10/2023	Amount Prepared:	N/A
Date of Analysis:	5/12/2023	Percent Solids:	N/A
Dry Weight Prepared:	N/A	Extract Dilution:	1
Wet Weight Prepared:	1.48 grams	pH:	N/A
Volume Extracted:	N/A	GPC Factor:	N/A
Final 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	

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PCB's in Soil Field Method (Fixed Lab)

Client Sample ID:	S50134-0082	Lab Sample ID:	AC05733
Date of Collection:	5/04/2023	Matrix:	Soil
Date of Preparation:	5/10/2023	Amount Prepared:	N/A
Date of Analysis:	5/12/2023	Percent Solids:	N/A
Dry Weight Prepared:	N/A	Extract Dilution:	1
Wet Weight Prepared:	1.41 grams	pH:	N/A
Volume Extracted:	N/A	GPC Factor:	N/A
Final 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	

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PCB's in Soil Field Method (Fixed Lab)

Client Sample ID:	S50134-0083	Lab Sample ID:	AC05734
Date of Collection:	5/04/2023	Matrix:	Soil
Date of Preparation:	5/10/2023	Amount Prepared:	N/A
Date of Analysis:	5/12/2023	Percent Solids:	N/A
Dry Weight Prepared:	N/A	Extract Dilution:	1
Wet Weight Prepared:	2.20 grams	pH:	N/A
Volume Extracted:	N/A	GPC Factor:	N/A
Final 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	

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PCB's in Soil Field Method (Fixed Lab)

Client Sample ID:	S50134-0084	Lab Sample ID:	AC05735
Date of Collection:	5/04/2023	Matrix:	Soil
Date of Preparation:	5/10/2023	Amount Prepared:	N/A
Date of Analysis:	5/12/2023	Percent Solids:	N/A
Dry Weight Prepared:	N/A	Extract Dilution:	1
Wet Weight Prepared:	1.52 grams	pH:	N/A
Volume Extracted:	N/A	GPC Factor:	N/A
Final 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	

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PCB's in Soil Field Method (Fixed Lab)

Client Sample ID:	S50134-0085	Lab Sample ID:	AC05736
Date of Collection:	5/04/2023	Matrix:	Soil
Date of Preparation:	5/10/2023	Amount Prepared:	N/A
Date of Analysis:	5/12/2023	Percent Solids:	N/A
Dry Weight Prepared:	N/A	Extract Dilution:	1
Wet Weight Prepared:	1.87 grams	pH:	N/A
Volume Extracted:	N/A	GPC Factor:	N/A
Final 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	

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PCB's in Soil Field Method (Fixed Lab)

Client Sample ID:	S50134-0086	Lab Sample ID:	AC05737
Date of Collection:	5/04/2023	Matrix:	Soil
Date of Preparation:	5/10/2023	Amount Prepared:	N/A
Date of Analysis:	5/12/2023	Percent Solids:	N/A
Dry Weight Prepared:	N/A	Extract Dilution:	1
Wet Weight Prepared:	1.90 grams	pH:	N/A
Volume Extracted:	N/A	GPC Factor:	N/A
Final 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	

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PCB's in Soil Field Method (Fixed Lab)

Client Sample ID:	S50134-0087	Lab Sample ID:	AC05738
Date of Collection:	5/04/2023	Matrix:	Soil
Date of Preparation:	5/10/2023	Amount Prepared:	N/A
Date of Analysis:	5/12/2023	Percent Solids:	N/A
Dry Weight Prepared:	N/A	Extract Dilution:	1
Wet Weight Prepared:	1.58 grams	pH:	N/A
Volume Extracted:	N/A	GPC Factor:	N/A
Final 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	

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PCB's in Soil Field Method (Fixed Lab)

Client Sample ID:	S50134-0088	Lab Sample ID:	AC05739
Date of Collection:	5/04/2023	Matrix:	Soil
Date of Preparation:	5/10/2023	Amount Prepared:	N/A
Date of Analysis:	5/12/2023	Percent Solids:	N/A
Dry Weight Prepared:	N/A	Extract Dilution:	1
Wet Weight Prepared:	1.84 grams	pH:	N/A
Volume Extracted:	N/A	GPC Factor:	N/A
Final 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	

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PCB's in Soil Field Method (Fixed Lab)

Client Sample ID:	S50134-0089	Lab Sample ID:	AC05740
Date of Collection:	5/04/2023	Matrix:	Soil
Date of Preparation:	5/10/2023	Amount Prepared:	N/A
Date of Analysis:	5/12/2023	Percent Solids:	N/A
Dry Weight Prepared:	N/A	Extract Dilution:	1
Wet Weight Prepared:	1.49 grams	pH:	N/A
Volume Extracted:	N/A	GPC Factor:	N/A
Final 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	**0.20**	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	

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PCB's in Soil Field Method (Fixed Lab)

Client Sample ID:	S50134-0090	Lab Sample ID:	AC05741
Date of Collection:	5/04/2023	Matrix:	Soil
Date of Preparation:	5/10/2023	Amount Prepared:	N/A
Date of Analysis:	5/12/2023	Percent Solids:	N/A
Dry Weight Prepared:	N/A	Extract Dilution:	1
Wet Weight Prepared:	1.71 grams	pH:	N/A
Volume Extracted:	N/A	GPC Factor:	N/A
Final 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	

Riverside Square PCB - Boston, MA

PCB's in Soil Field Method (Fixed Lab)

Client Sample ID:	S50134-0091	Lab Sample ID:	AC05742
Date of Collection:	5/04/2023	Matrix:	Soil
Date of Preparation:	5/10/2023	Amount Prepared:	N/A
Date of Analysis:	5/12/2023	Percent Solids:	N/A
Dry Weight Prepared:	N/A	Extract Dilution:	1
Wet Weight Prepared:	1.52 grams	pH:	N/A
Volume Extracted:	N/A	GPC Factor:	N/A
Final 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	

Riverside Square PCB - Boston, MA

PCB's in Soil Field Method (Fixed Lab)

Client Sample ID:	S50134-0092	Lab Sample ID:	AC05743
Date of Collection:	5/04/2023	Matrix:	Soil
Date of Preparation:	5/10/2023	Amount Prepared:	N/A
Date of Analysis:	5/12/2023	Percent Solids:	N/A
Dry Weight Prepared:	N/A	Extract Dilution:	1
Wet Weight Prepared:	1.80 grams	pH:	N/A
Volume Extracted:	N/A	GPC Factor:	N/A
Final 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	

Riverside Square PCB - Boston, MA

PCB's in Soil Field Method (Fixed Lab)

Client Sample ID:	S50134-0093	Lab Sample ID:	AC05744
Date of Collection:	5/04/2023	Matrix:	Soil
Date of Preparation:	5/10/2023	Amount Prepared:	N/A
Date of Analysis:	5/12/2023	Percent Solids:	N/A
Dry Weight Prepared:	N/A	Extract Dilution:	1
Wet Weight Prepared:	1.63 grams	pH:	N/A
Volume Extracted:	N/A	GPC Factor:	N/A
Final 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	

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PCB's in Soil Field Method (Fixed Lab)

Client Sample ID:	S50134-0094	Lab Sample ID:	AC05745
Date of Collection:	5/04/2023	Matrix:	Soil
Date of Preparation:	5/10/2023	Amount Prepared:	N/A
Date of Analysis:	5/12/2023	Percent Solids:	N/A
Dry Weight Prepared:	N/A	Extract Dilution:	1
Wet Weight Prepared:	1.38 grams	pH:	N/A
Volume Extracted:	N/A	GPC Factor:	N/A
Final 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	

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PCB's in Soil Field Method (Fixed Lab)

Client Sample ID:	S50134-0095	Lab Sample ID:	AC05746
Date of Collection:	5/04/2023	Matrix:	Soil
Date of Preparation:	5/10/2023	Amount Prepared:	N/A
Date of Analysis:	5/12/2023	Percent Solids:	N/A
Dry Weight Prepared:	N/A	Extract Dilution:	1
Wet Weight Prepared:	1.55 grams	pH:	N/A
Volume Extracted:	N/A	GPC Factor:	N/A
Final 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	

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PCB's in Soil Field Method (Fixed Lab)

Client Sample ID:	S50134-0096	Lab Sample ID:	AC05747
Date of Collection:	5/04/2023	Matrix:	Soil
Date of Preparation:	5/10/2023	Amount Prepared:	N/A
Date of Analysis:	5/12/2023	Percent Solids:	N/A
Dry Weight Prepared:	N/A	Extract Dilution:	1
Wet Weight Prepared:	1.44 grams	pH:	N/A
Volume Extracted:	N/A	GPC Factor:	N/A
Final 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	

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PCB's in Soil Field Method (Fixed Lab)

Client Sample ID:	S50134-0097	Lab Sample ID:	AC05748
Date of Collection:	5/04/2023	Matrix:	Soil
Date of Preparation:	5/10/2023	Amount Prepared:	N/A
Date of Analysis:	5/16/2023	Percent Solids:	N/A
Dry Weight Prepared:	N/A	Extract Dilution:	4
Wet Weight Prepared:	1.31 grams	pH:	N/A
Volume Extracted:	N/A	GPC Factor:	N/A
Final 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	**5.1**	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	

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PCB's in Soil Field Method (Fixed Lab)

Client Sample ID:	S50134-0098	Lab Sample ID:	AC05749
Date of Collection:	5/04/2023	Matrix:	Soil
Date of Preparation:	5/10/2023	Amount Prepared:	N/A
Date of Analysis:	5/16/2023	Percent Solids:	N/A
Dry Weight Prepared:	N/A	Extract Dilution:	1
Wet Weight Prepared:	1.62 grams	pH:	N/A
Volume Extracted:	N/A	GPC Factor:	N/A
Final 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	**0.27**	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	

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PCB's in Soil Field Method (Fixed Lab)

Client Sample ID:	S50134-0099	Lab Sample ID:	AC05750
Date of Collection:	5/04/2023	Matrix:	Soil
Date of Preparation:	5/10/2023	Amount Prepared:	N/A
Date of Analysis:	5/12/2023	Percent Solids:	N/A
Dry Weight Prepared:	N/A	Extract Dilution:	1
Wet Weight Prepared:	1.28 grams	pH:	N/A
Volume Extracted:	N/A	GPC Factor:	N/A
Final 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	**0.80**	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	

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PCB's in Soil Field Method (Fixed Lab)

Client Sample ID:	S50134-0100	Lab Sample ID:	AC05751
Date of Collection:	5/04/2023	Matrix:	Soil
Date of Preparation:	5/10/2023	Amount Prepared:	N/A
Date of Analysis:	5/12/2023	Percent Solids:	N/A
Dry Weight Prepared:	N/A	Extract Dilution:	1
Wet Weight Prepared:	1.81 grams	pH:	N/A
Volume Extracted:	N/A	GPC Factor:	N/A
Final 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	

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PCB's in Soil Field Method (Fixed Lab)

Client Sample ID:	S50134-0105	Lab Sample ID:	AC05752
Date of Collection:	5/04/2023	Matrix:	Soil
Date of Preparation:	5/10/2023	Amount Prepared:	N/A
Date of Analysis:	5/16/2023	Percent Solids:	N/A
Dry Weight Prepared:	N/A	Extract Dilution:	1
Wet Weight Prepared:	1.43 grams	pH:	N/A
Volume Extracted:	N/A	GPC Factor:	N/A
Final 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	**0.83**	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	

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PCB's in Soil Field Method (Fixed Lab)

Client Sample ID:	S50134-0106	Lab Sample ID:	AC05753
Date of Collection:	5/04/2023	Matrix:	Soil
Date of Preparation:	5/10/2023	Amount Prepared:	N/A
Date of Analysis:	5/12/2023	Percent Solids:	N/A
Dry Weight Prepared:	N/A	Extract Dilution:	1
Wet Weight Prepared:	1.84 grams	pH:	N/A
Volume Extracted:	N/A	GPC Factor:	N/A
Final 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	

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PCB's in Soil Field Method (Fixed Lab)

Client Sample ID:	S50134-0108	Lab Sample ID:	AC05754
Date of Collection:	5/04/2023	Matrix:	Soil
Date of Preparation:	5/10/2023	Amount Prepared:	N/A
Date of Analysis:	5/12/2023	Percent Solids:	N/A
Dry Weight Prepared:	N/A	Extract Dilution:	1
Wet Weight Prepared:	1.93 grams	pH:	N/A
Volume Extracted:	N/A	GPC Factor:	N/A
Final 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	**0.88**	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	

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PCB's in Soil Field Method (Fixed Lab)

Client Sample ID:	S50134-0109	Lab Sample ID:	AC05755
Date of Collection:	5/04/2023	Matrix:	Soil
Date of Preparation:	5/10/2023	Amount Prepared:	N/A
Date of Analysis:	5/12/2023	Percent Solids:	N/A
Dry Weight Prepared:	N/A	Extract Dilution:	1
Wet Weight Prepared:	1.49 grams	pH:	N/A
Volume Extracted:	N/A	GPC Factor:	N/A
Final 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	

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PCB's in Soil Field Method (Fixed Lab)

Client Sample ID:	S50134-0110	Lab Sample ID:	AC05756
Date of Collection:	5/04/2023	Matrix:	Soil
Date of Preparation:	5/10/2023	Amount Prepared:	N/A
Date of Analysis:	5/12/2023	Percent Solids:	N/A
Dry Weight Prepared:	N/A	Extract Dilution:	1
Wet Weight Prepared:	1.34 grams	pH:	N/A
Volume Extracted:	N/A	GPC Factor:	N/A
Final 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	

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PCB's in Soil Field Method (Fixed Lab)

Client Sample ID:	S50134-0111	Lab Sample ID:	AC05757
Date of Collection:	5/04/2023	Matrix:	Soil
Date of Preparation:	5/10/2023	Amount Prepared:	N/A
Date of Analysis:	5/12/2023	Percent Solids:	N/A
Dry Weight Prepared:	N/A	Extract Dilution:	1
Wet Weight Prepared:	1.74 grams	pH:	N/A
Volume Extracted:	N/A	GPC Factor:	N/A
Final 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	

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PCB's in Soil Field Method (Fixed Lab)

Client Sample ID:	S50134-0112	Lab Sample ID:	AC05758
Date of Collection:	5/04/2023	Matrix:	Soil
Date of Preparation:	5/10/2023	Amount Prepared:	N/A
Date of Analysis:	5/12/2023	Percent Solids:	N/A
Dry Weight Prepared:	N/A	Extract Dilution:	1
Wet Weight Prepared:	1.93 grams	pH:	N/A
Volume Extracted:	N/A	GPC Factor:	N/A
Final 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	

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PCB's in Soil Field Method (Fixed Lab)

Client Sample ID:	S50134-0113	Lab Sample ID:	AC05759
Date of Collection:	5/04/2023	Matrix:	Soil
Date of Preparation:	5/10/2023	Amount Prepared:	N/A
Date of Analysis:	5/12/2023	Percent Solids:	N/A
Dry Weight Prepared:	N/A	Extract Dilution:	1
Wet Weight Prepared:	1.53 grams	pH:	N/A
Volume Extracted:	N/A	GPC Factor:	N/A
Final 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	

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PCB's in Soil Field Method (Fixed Lab)

Client Sample ID:	S50134-0114	Lab Sample ID:	AC05760
Date of Collection:	5/04/2023	Matrix:	Soil
Date of Preparation:	5/10/2023	Amount Prepared:	N/A
Date of Analysis:	5/12/2023	Percent Solids:	N/A
Dry Weight Prepared:	N/A	Extract Dilution:	1
Wet Weight Prepared:	1.46 grams	pH:	N/A
Volume Extracted:	N/A	GPC Factor:	N/A
Final 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	

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PCB's in Soil Field Method (Fixed Lab)

Client Sample ID:	S50134-0115	Lab Sample ID:	AC05761
Date of Collection:	5/04/2023	Matrix:	Soil
Date of Preparation:	5/10/2023	Amount Prepared:	N/A
Date of Analysis:	5/12/2023	Percent Solids:	N/A
Dry Weight Prepared:	N/A	Extract Dilution:	1
Wet Weight Prepared:	1.88 grams	pH:	N/A
Volume Extracted:	N/A	GPC Factor:	N/A
Final 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	

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PCB's in Soil Field Method (Fixed Lab)

Client Sample ID:	S50134-0116	Lab Sample ID:	AC05762
Date of Collection:	5/04/2023	Matrix:	Soil
Date of Preparation:	5/10/2023	Amount Prepared:	N/A
Date of Analysis:	5/12/2023	Percent Solids:	N/A
Dry Weight Prepared:	N/A	Extract Dilution:	1
Wet Weight Prepared:	1.77 grams	pH:	N/A
Volume Extracted:	N/A	GPC Factor:	N/A
Final 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	

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PCB's in Soil Field Method (Fixed Lab)

Client Sample ID:	S50134-0117	Lab Sample ID:	AC05763
Date of Collection:	5/04/2023	Matrix:	Soil
Date of Preparation:	5/10/2023	Amount Prepared:	N/A
Date of Analysis:	5/12/2023	Percent Solids:	N/A
Dry Weight Prepared:	N/A	Extract Dilution:	1
Wet Weight Prepared:	1.67 grams	pH:	N/A
Volume Extracted:	N/A	GPC Factor:	N/A
Final 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	

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PCB's in Soil Field Method (Fixed Lab)

Client Sample ID:	S50134-0118	Lab Sample ID:	AC05764
Date of Collection:	5/04/2023	Matrix:	Soil
Date of Preparation:	5/10/2023	Amount Prepared:	N/A
Date of Analysis:	5/12/2023	Percent Solids:	N/A
Dry Weight Prepared:	N/A	Extract Dilution:	1
Wet Weight Prepared:	2.26 grams	pH:	N/A
Volume Extracted:	N/A	GPC Factor:	N/A
Final 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	

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PCB's in Soil Field Method (Fixed Lab)

Client Sample ID:	S50134-0119	Lab Sample ID:	AC05765
Date of Collection:	5/04/2023	Matrix:	Soil
Date of Preparation:	5/10/2023	Amount Prepared:	N/A
Date of Analysis:	5/16/2023	Percent Solids:	N/A
Dry Weight Prepared:	N/A	Extract Dilution:	4
Wet Weight Prepared:	1.34 grams	pH:	N/A
Volume Extracted:	N/A	GPC Factor:	N/A
Final 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	**4.4**	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	

Riverside Square PCB - Boston, MA

PCB's in Soil Field Method (Fixed Lab)

Client Sample ID:	S50134-0120	Lab Sample ID:	AC05766
Date of Collection:	5/04/2023	Matrix:	Soil
Date of Preparation:	5/10/2023	Amount Prepared:	N/A
Date of Analysis:	5/16/2023	Percent Solids:	N/A
Dry Weight Prepared:	N/A	Extract Dilution:	1
Wet Weight Prepared:	1.65 grams	pH:	N/A
Volume Extracted:	N/A	GPC Factor:	N/A
Final 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	**0.63**	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	

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PCB's in Soil Field Method (Fixed Lab)

Client Sample ID:	S50134-0121	Lab Sample ID:	AC05767
Date of Collection:	5/04/2023	Matrix:	Soil
Date of Preparation:	5/10/2023	Amount Prepared:	N/A
Date of Analysis:	5/16/2023	Percent Solids:	N/A
Dry Weight Prepared:	N/A	Extract Dilution:	8
Wet Weight Prepared:	2.05 grams	pH:	N/A
Volume Extracted:	N/A	GPC Factor:	N/A
Final 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	**2.0**	0.20	
11100-14-4	Aroclor-1262	ND	0.20	
37324-23-5	Aroclor-1268	ND	0.20	

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PCB's in Soil Field Method (Fixed Lab)

Client Sample ID:	S50134-0125	Lab Sample ID:	AC05768
Date of Collection:	5/04/2023	Matrix:	Soil
Date of Preparation:	5/10/2023	Amount Prepared:	N/A
Date of Analysis:	5/16/2023	Percent Solids:	N/A
Dry Weight Prepared:	N/A	Extract Dilution:	4
Wet Weight Prepared:	1.79 grams	pH:	N/A
Volume Extracted:	N/A	GPC Factor:	N/A
Final 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	**3.5**	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	

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PCB's in Soil Field Method (Fixed Lab)

Client Sample ID:	S50134-0126	Lab Sample ID:	AC05769
Date of Collection:	5/04/2023	Matrix:	Soil
Date of Preparation:	5/10/2023	Amount Prepared:	N/A
Date of Analysis:	5/12/2023	Percent Solids:	N/A
Dry Weight Prepared:	N/A	Extract Dilution:	1
Wet Weight Prepared:	1.75 grams	pH:	N/A
Volume Extracted:	N/A	GPC Factor:	N/A
Final 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	**0.87**	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	

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PCB's in Soil Field Method (Fixed Lab)

Client Sample ID:	S50134-0127	Lab Sample ID:	AC05770
Date of Collection:	5/04/2023	Matrix:	Soil
Date of Preparation:	5/10/2023	Amount Prepared:	N/A
Date of Analysis:	5/16/2023	Percent Solids:	N/A
Dry Weight Prepared:	N/A	Extract Dilution:	4
Wet Weight Prepared:	1.72 grams	pH:	N/A
Volume Extracted:	N/A	GPC Factor:	N/A
Final 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	**1.6**	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	

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PCB's in Soil Field Method (Fixed Lab)

Client Sample ID:	S50134-0128	Lab Sample ID:	AC05771
Date of Collection:	5/04/2023	Matrix:	Soil
Date of Preparation:	5/10/2023	Amount Prepared:	N/A
Date of Analysis:	5/16/2023	Percent Solids:	N/A
Dry Weight Prepared:	N/A	Extract Dilution:	8
Wet Weight Prepared:	2.24 grams	pH:	N/A
Volume Extracted:	N/A	GPC Factor:	N/A
Final 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	**7.8**	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	

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PCB's in Soil Field Method (Fixed Lab)

Client Sample ID:	S50134-0129	Lab Sample ID:	AC05772
Date of Collection:	5/04/2023	Matrix:	Soil
Date of Preparation:	5/10/2023	Amount Prepared:	N/A
Date of Analysis:	5/12/2023	Percent Solids:	N/A
Dry Weight Prepared:	N/A	Extract Dilution:	1
Wet Weight Prepared:	1.50 grams	pH:	N/A
Volume Extracted:	N/A	GPC Factor:	N/A
Final 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	**0.67**	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	

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PCB's in Soil Field Method (Fixed Lab)

Client Sample ID:	S50134-0130	Lab Sample ID:	AC05773
Date of Collection:	5/04/2023	Matrix:	Soil
Date of Preparation:	5/10/2023	Amount Prepared:	N/A
Date of Analysis:	5/12/2023	Percent Solids:	N/A
Dry Weight Prepared:	N/A	Extract Dilution:	1
Wet Weight Prepared:	1.88 grams	pH:	N/A
Volume Extracted:	N/A	GPC Factor:	N/A
Final 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	

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PCB's in Soil Field Method (Fixed Lab)

Client Sample ID:	S50134-0131	Lab Sample ID:	AC05774
Date of Collection:	5/04/2023	Matrix:	Soil
Date of Preparation:	5/10/2023	Amount Prepared:	N/A
Date of Analysis:	5/12/2023	Percent Solids:	N/A
Dry Weight Prepared:	N/A	Extract Dilution:	1
Wet Weight Prepared:	2.16 grams	pH:	N/A
Volume Extracted:	N/A	GPC Factor:	N/A
Final 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	**0.66**	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	

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PCB's in Soil Field Method (Fixed Lab)

Client Sample ID:	S50134-0132	Lab Sample ID:	AC05775
Date of Collection:	5/04/2023	Matrix:	Soil
Date of Preparation:	5/10/2023	Amount Prepared:	N/A
Date of Analysis:	5/12/2023	Percent Solids:	N/A
Dry Weight Prepared:	N/A	Extract Dilution:	1
Wet Weight Prepared:	2.10 grams	pH:	N/A
Volume Extracted:	N/A	GPC Factor:	N/A
Final 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	**0.29**	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	

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PCB's in Soil Field Method (Fixed Lab)

Client Sample ID:	S50134-0133	Lab Sample ID:	AC05776
Date of Collection:	5/04/2023	Matrix:	Soil
Date of Preparation:	5/10/2023	Amount Prepared:	N/A
Date of Analysis:	5/17/2023	Percent Solids:	N/A
Dry Weight Prepared:	N/A	Extract Dilution:	2
Wet Weight Prepared:	1.27 grams	pH:	N/A
Volume Extracted:	N/A	GPC Factor:	N/A
Final 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	**2.0**	0.20	
11097-69-1	Aroclor-1254	**1.5**	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	

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PCB's in Soil Field Method (Fixed Lab)

Client Sample ID:	S50134-0136	Lab Sample ID:	AC05778
Date of Collection:	5/04/2023	Matrix:	Soil
Date of Preparation:	5/10/2023	Amount Prepared:	N/A
Date of Analysis:	5/17/2023	Percent Solids:	N/A
Dry Weight Prepared:	N/A	Extract Dilution:	8
Wet Weight Prepared:	1.50 grams	pH:	N/A
Volume Extracted:	N/A	GPC Factor:	N/A
Final 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	**12**	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	

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PCB's in Soil Field Method (Fixed Lab)

Client Sample ID:	S50134-0137	Lab Sample ID:	AC05779
Date of Collection:	5/04/2023	Matrix:	Soil
Date of Preparation:	5/10/2023	Amount Prepared:	N/A
Date of Analysis:	5/17/2023	Percent Solids:	N/A
Dry Weight Prepared:	N/A	Extract Dilution:	1
Wet Weight Prepared:	2.48 grams	pH:	N/A
Volume Extracted:	N/A	GPC Factor:	N/A
Final 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	**4.6**	0.20	J
11097-69-1	Aroclor-1254	**2.5**	0.20	
11096-82-5	Aroclor-1260	**1.1**	0.20	
11100-14-4	Aroclor-1262	ND	0.20	
37324-23-5	Aroclor-1268	ND	0.20	

Comments: Aroclor 1248 was difficult to estimate based on the presence of multiple aroclors and coeluting contaminants. The concentration is estimated to be higher; sample will be submitted for confirmation.

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PCB's in Soil Field Method (Fixed Lab)

Client Sample ID:	S50134-0138	Lab Sample ID:	AC05780
Date of Collection:	5/04/2023	Matrix:	Soil
Date of Preparation:	5/10/2023	Amount Prepared:	N/A
Date of Analysis:	5/17/2023	Percent Solids:	N/A
Dry Weight Prepared:	N/A	Extract Dilution:	5
Wet Weight Prepared:	1.52 grams	pH:	N/A
Volume Extracted:	N/A	GPC Factor:	N/A
Final 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	**4.9**	0.20	
11097-69-1	Aroclor-1254	**2.0**	0.20	
11096-82-5	Aroclor-1260	**1.1**	0.20	
11100-14-4	Aroclor-1262	ND	0.20	
37324-23-5	Aroclor-1268	ND	0.20	

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PCB's in Soil Field Method (Fixed Lab)

Client Sample ID:	S50134-0139	Lab Sample ID:	AC05781
Date of Collection:	5/04/2023	Matrix:	Soil
Date of Preparation:	5/10/2023	Amount Prepared:	N/A
Date of Analysis:	5/12/2023	Percent Solids:	N/A
Dry Weight Prepared:	N/A	Extract Dilution:	1
Wet Weight Prepared:	1.63 grams	pH:	N/A
Volume Extracted:	N/A	GPC Factor:	N/A
Final 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	

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PCB's in Soil Field Method (Fixed Lab)

Client Sample ID:	S50134-0140	Lab Sample ID:	AC05782
Date of Collection:	5/04/2023	Matrix:	Soil
Date of Preparation:	5/10/2023	Amount Prepared:	N/A
Date of Analysis:	5/17/2023	Percent Solids:	N/A
Dry Weight Prepared:	N/A	Extract Dilution:	4
Wet Weight Prepared:	1.43 grams	pH:	N/A
Volume Extracted:	N/A	GPC Factor:	N/A
Final 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	**6.2**	0.20	J
11097-69-1	Aroclor-1254	**4.1**	0.20	
11096-82-5	Aroclor-1260	**1.6**	0.20	
11100-14-4	Aroclor-1262	ND	0.20	
37324-23-5	Aroclor-1268	ND	0.20	

Comments: Aroclor 1248 was difficult to estimate based on the presence of multiple aroclors and coeluting contaminants. The concentration is estimated to be higher; sample will be submitted for confirmation.

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PCB's in Soil Field Method (Fixed Lab)

Client Sample ID:	S50134-0141	Lab Sample ID:	AC05783
Date of Collection:	5/04/2023	Matrix:	Soil PE
Date of Preparation:	5/10/2023	Amount Prepared:	N/A
Date of Analysis:	5/12/2023	Percent Solids:	N/A
Dry Weight Prepared:	N/A	Extract Dilution:	1
Wet Weight Prepared:	2.07 grams	pH:	N/A
Volume Extracted:	N/A	GPC Factor:	N/A
Final 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	**0.93**	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	

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PCB's in Soil Field Method (Fixed Lab)

Client Sample ID:	S50134-0145	Lab Sample ID:	AC05784
Date of Collection:	5/04/2023	Matrix:	Soil
Date of Preparation:	5/10/2023	Amount Prepared:	N/A
Date of Analysis:	5/12/2023	Percent Solids:	N/A
Dry Weight Prepared:	N/A	Extract Dilution:	1
Wet Weight Prepared:	1.59 grams	pH:	N/A
Volume Extracted:	N/A	GPC Factor:	N/A
Final 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	

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PCB's in Soil Field Method (Fixed Lab)

Client Sample ID:	S50134-0147	Lab Sample ID:	AC05785
Date of Collection:	5/04/2023	Matrix:	Soil
Date of Preparation:	5/10/2023	Amount Prepared:	N/A
Date of Analysis:	5/17/2023	Percent Solids:	N/A
Dry Weight Prepared:	N/A	Extract Dilution:	1
Wet Weight Prepared:	1.53 grams	pH:	N/A
Volume Extracted:	N/A	GPC Factor:	N/A
Final 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	**0.46**	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	

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PCB's in Soil Field Method (Fixed Lab)

Client Sample ID:	S50134-0148	Lab Sample ID:	AC05786
Date of Collection:	5/04/2023	Matrix:	Soil
Date of Preparation:	5/10/2023	Amount Prepared:	N/A
Date of Analysis:	5/13/2023	Percent Solids:	N/A
Dry Weight Prepared:	N/A	Extract Dilution:	1
Wet Weight Prepared:	1.66 grams	pH:	N/A
Volume Extracted:	N/A	GPC Factor:	N/A
Final 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	

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PCB's in Soil Field Method (Fixed Lab)

Client Sample ID:	S50134-0149	Lab Sample ID:	AC05787
Date of Collection:	5/04/2023	Matrix:	Soil
Date of Preparation:	5/10/2023	Amount Prepared:	N/A
Date of Analysis:	5/17/2023	Percent Solids:	N/A
Dry Weight Prepared:	N/A	Extract Dilution:	4
Wet Weight Prepared:	1.53 grams	pH:	N/A
Volume Extracted:	N/A	GPC Factor:	N/A
Final 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	**4.0**	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	

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PCB's in Soil Field Method (Fixed Lab)

Client Sample ID:	S50134-0150	Lab Sample ID:	AC05788
Date of Collection:	5/04/2023	Matrix:	Soil
Date of Preparation:	5/10/2023	Amount Prepared:	N/A
Date of Analysis:	5/13/2023	Percent Solids:	N/A
Dry Weight Prepared:	N/A	Extract Dilution:	1
Wet Weight Prepared:	2.50 grams	pH:	N/A
Volume Extracted:	N/A	GPC Factor:	N/A
Final 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	**0.64**	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	

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PCB's in Soil Field Method (Fixed Lab)

Client Sample ID:	S50134-0001	Lab Sample ID:	AC05789
Date of Collection:	5/05/2023	Matrix:	Soil
Date of Preparation:	5/10/2023	Amount Prepared:	N/A
Date of Analysis:	5/13/2023	Percent Solids:	N/A
Dry Weight Prepared:	N/A	Extract Dilution:	1
Wet Weight Prepared:	1.32 grams	pH:	N/A
Volume Extracted:	N/A	GPC Factor:	N/A
Final 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	

Riverside Square PCB - Boston, MA

PCB's in Soil Field Method (Fixed Lab)

Client Sample ID:	S50134-0002	Lab Sample ID:	AC05790
Date of Collection:	5/05/2023	Matrix:	Soil
Date of Preparation:	5/10/2023	Amount Prepared:	N/A
Date of Analysis:	5/17/2023	Percent Solids:	N/A
Dry Weight Prepared:	N/A	Extract Dilution:	2
Wet Weight Prepared:	1.85 grams	pH:	N/A
Volume Extracted:	N/A	GPC Factor:	N/A
Final 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	**1.7**	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	

Riverside Square PCB - Boston, MA

PCB's in Soil Field Method (Fixed Lab)

Client Sample ID:	S50134-0003	Lab Sample ID:	AC05791
Date of Collection:	5/05/2023	Matrix:	Soil
Date of Preparation:	5/10/2023	Amount Prepared:	N/A
Date of Analysis:	5/17/2023	Percent Solids:	N/A
Dry Weight Prepared:	N/A	Extract Dilution:	1
Wet Weight Prepared:	1.47 grams	pH:	N/A
Volume Extracted:	N/A	GPC Factor:	N/A
Final 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	**1.1**	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	

Riverside Square PCB - Boston, MA

Laboratory Blank

Client Sample ID:	N/A	Lab Sample ID:	N/A
Date of Collection:	N/A	Matrix:	Soil
Date of Preparation:	5/10/2023	Amount Prepared:	N/A
Date of Analysis:	5/13/2023	Percent Solids:	N/A
Dry Weight Prepared:	N/A	Extract Dilution:	1
Wet Weight Prepared:	N/A	pH:	N/A
Volume Extracted:	N/A	GPC Factor:	N/A
Final 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	

Riverside Square PCB - Boston, MA

PCB's in Soil Field Method (Fixed Lab)

Client Sample ID:	S50134-0004	Lab Sample ID:	AC05792
Date of Collection:	5/05/2023	Matrix:	Soil
Date of Preparation:	5/10/2023	Amount Prepared:	N/A
Date of Analysis:	5/13/2023	Percent Solids:	N/A
Dry Weight Prepared:	N/A	Extract Dilution:	1
Wet Weight Prepared:	1.97 grams	pH:	N/A
Volume Extracted:	N/A	GPC Factor:	N/A
Final 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	

Riverside Square PCB - Boston, MA

PCB's in Soil Field Method (Fixed Lab)

Client Sample ID:	S50134-0005	Lab Sample ID:	AC05793
Date of Collection:	5/05/2023	Matrix:	Soil
Date of Preparation:	5/10/2023	Amount Prepared:	N/A
Date of Analysis:	5/17/2023	Percent Solids:	N/A
Dry Weight Prepared:	N/A	Extract Dilution:	1
Wet Weight Prepared:	1.79 grams	pH:	N/A
Volume Extracted:	N/A	GPC Factor:	N/A
Final 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	

Riverside Square PCB - Boston, MA

PCB's in Soil Field Method (Fixed Lab)

Client Sample ID:	S50134-0006	Lab Sample ID:	AC05794
Date of Collection:	5/05/2023	Matrix:	Soil
Date of Preparation:	5/10/2023	Amount Prepared:	N/A
Date of Analysis:	5/17/2023	Percent Solids:	N/A
Dry Weight Prepared:	N/A	Extract Dilution:	2
Wet Weight Prepared:	1.67 grams	pH:	N/A
Volume Extracted:	N/A	GPC Factor:	N/A
Final 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	**1.7**	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	

Riverside Square PCB - Boston, MA

PCB's in Soil Field Method (Fixed Lab)

Client Sample ID:	S50134-0007	Lab Sample ID:	AC05795
Date of Collection:	5/05/2023	Matrix:	Soil
Date of Preparation:	5/10/2023	Amount Prepared:	N/A
Date of Analysis:	5/13/2023	Percent Solids:	N/A
Dry Weight Prepared:	N/A	Extract Dilution:	1
Wet Weight Prepared:	1.53 grams	pH:	N/A
Volume Extracted:	N/A	GPC Factor:	N/A
Final 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	**0.74**	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	

Riverside Square PCB - Boston, MA

PCB's in Soil Field Method (Fixed Lab)

Client Sample ID:	S50134-0008	Lab Sample ID:	AC05796
Date of Collection:	5/05/2023	Matrix:	Soil
Date of Preparation:	5/11/2023	Amount Prepared:	N/A
Date of Analysis:	5/13/2023	Percent Solids:	N/A
Dry Weight Prepared:	N/A	Extract Dilution:	1
Wet Weight Prepared:	2.07 grams	pH:	N/A
Volume Extracted:	N/A	GPC Factor:	N/A
Final 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	

Riverside Square PCB - Boston, MA

PCB's in Soil Field Method (Fixed Lab)

Client Sample ID:	S50134-0009	Lab Sample ID:	AC05797
Date of Collection:	5/05/2023	Matrix:	Soil
Date of Preparation:	5/11/2023	Amount Prepared:	N/A
Date of Analysis:	5/13/2023	Percent Solids:	N/A
Dry Weight Prepared:	N/A	Extract Dilution:	1
Wet Weight Prepared:	2.37 grams	pH:	N/A
Volume Extracted:	N/A	GPC Factor:	N/A
Final 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	

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PCB's in Soil Field Method (Fixed Lab)

Client Sample ID:	S50134-0010	Lab Sample ID:	AC05798
Date of Collection:	5/05/2023	Matrix:	Soil
Date of Preparation:	5/11/2023	Amount Prepared:	N/A
Date of Analysis:	5/13/2023	Percent Solids:	N/A
Dry Weight Prepared:	N/A	Extract Dilution:	1
Wet Weight Prepared:	1.44 grams	pH:	N/A
Volume Extracted:	N/A	GPC Factor:	N/A
Final 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	**0.26**	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	

Riverside Square PCB - Boston, MA

PCB's in Soil Field Method (Fixed Lab)

Client Sample ID:	S50134-0011	Lab Sample ID:	AC05799
Date of Collection:	5/05/2023	Matrix:	Soil
Date of Preparation:	5/11/2023	Amount Prepared:	N/A
Date of Analysis:	5/13/2023	Percent Solids:	N/A
Dry Weight Prepared:	N/A	Extract Dilution:	1
Wet Weight Prepared:	2.26 grams	pH:	N/A
Volume Extracted:	N/A	GPC Factor:	N/A
Final 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	**0.22**	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	

Riverside Square PCB - Boston, MA

PCB's in Soil Field Method (Fixed Lab)

Client Sample ID:	S50134-0012	Lab Sample ID:	AC05800
Date of Collection:	5/05/2023	Matrix:	Soil
Date of Preparation:	5/11/2023	Amount Prepared:	N/A
Date of Analysis:	5/17/2023	Percent Solids:	N/A
Dry Weight Prepared:	N/A	Extract Dilution:	4
Wet Weight Prepared:	2.05 grams	pH:	N/A
Volume Extracted:	N/A	GPC Factor:	N/A
Final 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	**2.8**	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	

Riverside Square PCB - Boston, MA

PCB's in Soil Field Method (Fixed Lab)

Client Sample ID:	S50134-0013	Lab Sample ID:	AC05801
Date of Collection:	5/05/2023	Matrix:	Soil
Date of Preparation:	5/11/2023	Amount Prepared:	N/A
Date of Analysis:	5/17/2023	Percent Solids:	N/A
Dry Weight Prepared:	N/A	Extract Dilution:	2
Wet Weight Prepared:	2.17 grams	pH:	N/A
Volume Extracted:	N/A	GPC Factor:	N/A
Final 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	**1.9**	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	

Riverside Square PCB - Boston, MA

PCB's in Soil Field Method (Fixed Lab)

Client Sample ID:	S50134-0014	Lab Sample ID:	AC05802
Date of Collection:	5/05/2023	Matrix:	Soil
Date of Preparation:	5/11/2023	Amount Prepared:	N/A
Date of Analysis:	5/17/2023	Percent Solids:	N/A
Dry Weight Prepared:	N/A	Extract Dilution:	10
Wet Weight Prepared:	2.51 grams	pH:	N/A
Volume Extracted:	N/A	GPC Factor:	N/A
Final 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	**5.9**	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	

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PCB's in Soil Field Method (Fixed Lab)

Client Sample ID:	S50134-0015	Lab Sample ID:	AC05803
Date of Collection:	5/05/2023	Matrix:	Soil
Date of Preparation:	5/11/2023	Amount Prepared:	N/A
Date of Analysis:	5/17/2023	Percent Solids:	N/A
Dry Weight Prepared:	N/A	Extract Dilution:	4
Wet Weight Prepared:	2.96 grams	pH:	N/A
Volume Extracted:	N/A	GPC Factor:	N/A
Final 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	**2.0**	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	

Riverside Square PCB - Boston, MA

PCB's in Soil Field Method (Fixed Lab)

Client Sample ID:	S50134-0016	Lab Sample ID:	AC05804
Date of Collection:	5/05/2023	Matrix:	Soil
Date of Preparation:	5/11/2023	Amount Prepared:	N/A
Date of Analysis:	5/17/2023	Percent Solids:	N/A
Dry Weight Prepared:	N/A	Extract Dilution:	8
Wet Weight Prepared:	3.26 grams	pH:	N/A
Volume Extracted:	N/A	GPC Factor:	N/A
Final 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	**4.2**	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	

Riverside Square PCB - Boston, MA

PCB's in Soil Field Method (Fixed Lab)

Client Sample ID:	S50134-0017	Lab Sample ID:	AC05805
Date of Collection:	5/05/2023	Matrix:	Soil
Date of Preparation:	5/11/2023	Amount Prepared:	N/A
Date of Analysis:	5/17/2023	Percent Solids:	N/A
Dry Weight Prepared:	N/A	Extract Dilution:	8
Wet Weight Prepared:	1.93 grams	pH:	N/A
Volume Extracted:	N/A	GPC Factor:	N/A
Final 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	**5.2**	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	

Riverside Square PCB - Boston, MA

PCB's in Soil Field Method (Fixed Lab)

Client Sample ID:	S50134-0018	Lab Sample ID:	AC05806
Date of Collection:	5/05/2023	Matrix:	Soil
Date of Preparation:	5/11/2023	Amount Prepared:	N/A
Date of Analysis:	5/17/2023	Percent Solids:	N/A
Dry Weight Prepared:	N/A	Extract Dilution:	4
Wet Weight Prepared:	2.19 grams	pH:	N/A
Volume Extracted:	N/A	GPC Factor:	N/A
Final 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	**2.1**	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	

Riverside Square PCB - Boston, MA

PCB's in Soil Field Method (Fixed Lab)

Client Sample ID:	S50134-0019	Lab Sample ID:	AC05807
Date of Collection:	5/05/2023	Matrix:	Soil
Date of Preparation:	5/11/2023	Amount Prepared:	N/A
Date of Analysis:	5/13/2023	Percent Solids:	N/A
Dry Weight Prepared:	N/A	Extract Dilution:	1
Wet Weight Prepared:	1.45 grams	pH:	N/A
Volume Extracted:	N/A	GPC Factor:	N/A
Final 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	**1.0**	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	

Riverside Square PCB - Boston, MA

PCB's in Soil Field Method (Fixed Lab)

Client Sample ID:	S50134-0020	Lab Sample ID:	AC05808
Date of Collection:	5/05/2023	Matrix:	Soil
Date of Preparation:	5/11/2023	Amount Prepared:	N/A
Date of Analysis:	5/17/2023	Percent Solids:	N/A
Dry Weight Prepared:	N/A	Extract Dilution:	4
Wet Weight Prepared:	2.31 grams	pH:	N/A
Volume Extracted:	N/A	GPC Factor:	N/A
Final 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	**1.8**	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	

Riverside Square PCB - Boston, MA

PCB's in Soil Field Method (Fixed Lab)

Client Sample ID:	S50134-0021	Lab Sample ID:	AC05809
Date of Collection:	5/05/2023	Matrix:	Soil
Date of Preparation:	5/11/2023	Amount Prepared:	N/A
Date of Analysis:	5/13/2023	Percent Solids:	N/A
Dry Weight Prepared:	N/A	Extract Dilution:	1
Wet Weight Prepared:	1.52 grams	pH:	N/A
Volume Extracted:	N/A	GPC Factor:	N/A
Final 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	

Riverside Square PCB - Boston, MA

PCB's in Soil Field Method (Fixed Lab)

Client Sample ID:	S50134-0022	Lab Sample ID:	AC05810
Date of Collection:	5/05/2023	Matrix:	Soil
Date of Preparation:	5/11/2023	Amount Prepared:	N/A
Date of Analysis:	5/13/2023	Percent Solids:	N/A
Dry Weight Prepared:	N/A	Extract Dilution:	1
Wet Weight Prepared:	1.84 grams	pH:	N/A
Volume Extracted:	N/A	GPC Factor:	N/A
Final 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	

Riverside Square PCB - Boston, MA

PCB's in Soil Field Method (Fixed Lab)

Client Sample ID:	S50134-0023	Lab Sample ID:	AC05811
Date of Collection:	5/05/2023	Matrix:	Soil
Date of Preparation:	5/11/2023	Amount Prepared:	N/A
Date of Analysis:	5/17/2023	Percent Solids:	N/A
Dry Weight Prepared:	N/A	Extract Dilution:	8
Wet Weight Prepared:	1.94 grams	pH:	N/A
Volume Extracted:	N/A	GPC Factor:	N/A
Final 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	**5.9**	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	

Riverside Square PCB - Boston, MA

PCB's in Soil Field Method (Fixed Lab)

Client Sample ID:	S50134-0024	Lab Sample ID:	AC05812
Date of Collection:	5/05/2023	Matrix:	Soil
Date of Preparation:	5/11/2023	Amount Prepared:	N/A
Date of Analysis:	5/17/2023	Percent Solids:	N/A
Dry Weight Prepared:	N/A	Extract Dilution:	10
Wet Weight Prepared:	2.16 grams	pH:	N/A
Volume Extracted:	N/A	GPC Factor:	N/A
Final 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	**11**	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	

Riverside Square PCB - Boston, MA

PCB's in Soil Field Method (Fixed Lab)

Client Sample ID:	S50134-0025	Lab Sample ID:	AC05813
Date of Collection:	5/05/2023	Matrix:	Soil
Date of Preparation:	5/11/2023	Amount Prepared:	N/A
Date of Analysis:	5/17/2023	Percent Solids:	N/A
Dry Weight Prepared:	N/A	Extract Dilution:	5
Wet Weight Prepared:	2.27 grams	pH:	N/A
Volume Extracted:	N/A	GPC Factor:	N/A
Final 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	**3.5**	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	

Riverside Square PCB - Boston, MA

PCB's in Soil Field Method (Fixed Lab)

Client Sample ID:	S50134-0026	Lab Sample ID:	AC05814
Date of Collection:	5/05/2023	Matrix:	Soil
Date of Preparation:	5/11/2023	Amount Prepared:	N/A
Date of Analysis:	5/17/2023	Percent Solids:	N/A
Dry Weight Prepared:	N/A	Extract Dilution:	8
Wet Weight Prepared:	1.64 grams	pH:	N/A
Volume Extracted:	N/A	GPC Factor:	N/A
Final 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	**7.4**	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	

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PCB's in Soil Field Method (Fixed Lab)

Client Sample ID:	S50134-0027	Lab Sample ID:	AC05815
Date of Collection:	5/05/2023	Matrix:	Soil
Date of Preparation:	5/11/2023	Amount Prepared:	N/A
Date of Analysis:	5/13/2023	Percent Solids:	N/A
Dry Weight Prepared:	N/A	Extract Dilution:	1
Wet Weight Prepared:	1.82 grams	pH:	N/A
Volume Extracted:	N/A	GPC Factor:	N/A
Final 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	**0.82**	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	

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PCB's in Soil Field Method (Fixed Lab)

Client Sample ID:	S50134-0028	Lab Sample ID:	AC05816
Date of Collection:	5/05/2023	Matrix:	Soil
Date of Preparation:	5/11/2023	Amount Prepared:	N/A
Date of Analysis:	5/13/2023	Percent Solids:	N/A
Dry Weight Prepared:	N/A	Extract Dilution:	1
Wet Weight Prepared:	2.67 grams	pH:	N/A
Volume Extracted:	N/A	GPC Factor:	N/A
Final 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	**0.27**	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	

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PCB's in Soil Field Method (Fixed Lab)

Client Sample ID:	S50134-0029	Lab Sample ID:	AC05817
Date of Collection:	5/05/2023	Matrix:	Soil
Date of Preparation:	5/11/2023	Amount Prepared:	N/A
Date of Analysis:	5/13/2023	Percent Solids:	N/A
Dry Weight Prepared:	N/A	Extract Dilution:	1
Wet Weight Prepared:	2.74 grams	pH:	N/A
Volume Extracted:	N/A	GPC Factor:	N/A
Final 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	**0.28**	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	

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PCB's in Soil Field Method (Fixed Lab)

Client Sample ID:	S50134-0030	Lab Sample ID:	AC05818
Date of Collection:	5/05/2023	Matrix:	Soil
Date of Preparation:	5/11/2023	Amount Prepared:	N/A
Date of Analysis:	5/17/2023	Percent Solids:	N/A
Dry Weight Prepared:	N/A	Extract Dilution:	2
Wet Weight Prepared:	2.25 grams	pH:	N/A
Volume Extracted:	N/A	GPC Factor:	N/A
Final 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	

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PCB's in Soil Field Method (Fixed Lab)

Client Sample ID:	S50134-0031	Lab Sample ID:	AC05819
Date of Collection:	5/05/2023	Matrix:	Soil
Date of Preparation:	5/11/2023	Amount Prepared:	N/A
Date of Analysis:	5/17/2023	Percent Solids:	N/A
Dry Weight Prepared:	N/A	Extract Dilution:	2
Wet Weight Prepared:	2.32 grams	pH:	N/A
Volume Extracted:	N/A	GPC Factor:	N/A
Final 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	**1.4**	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	

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PCB's in Soil Field Method (Fixed Lab)

Client Sample ID:	S50134-0032	Lab Sample ID:	AC05820
Date of Collection:	5/05/2023	Matrix:	Soil
Date of Preparation:	5/11/2023	Amount Prepared:	N/A
Date of Analysis:	5/13/2023	Percent Solids:	N/A
Dry Weight Prepared:	N/A	Extract Dilution:	1
Wet Weight Prepared:	1.72 grams	pH:	N/A
Volume Extracted:	N/A	GPC Factor:	N/A
Final 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	**0.73**	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	

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PCB's in Soil Field Method (Fixed Lab)

Client Sample ID:	S50134-0049	Lab Sample ID:	AC05821
Date of Collection:	5/05/2023	Matrix:	Soil
Date of Preparation:	5/11/2023	Amount Prepared:	N/A
Date of Analysis:	5/13/2023	Percent Solids:	N/A
Dry Weight Prepared:	N/A	Extract Dilution:	1
Wet Weight Prepared:	1.59 grams	pH:	N/A
Volume Extracted:	N/A	GPC Factor:	N/A
Final 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	

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PCB's in Soil Field Method (Fixed Lab)

Client Sample ID:	S50134-0050	Lab Sample ID:	AC05822
Date of Collection:	5/05/2023	Matrix:	Soil
Date of Preparation:	5/11/2023	Amount Prepared:	N/A
Date of Analysis:	5/17/2023	Percent Solids:	N/A
Dry Weight Prepared:	N/A	Extract Dilution:	5
Wet Weight Prepared:	1.96 grams	pH:	N/A
Volume Extracted:	N/A	GPC Factor:	N/A
Final 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	**4.5**	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	

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PCB's in Soil Field Method (Fixed Lab)

Client Sample ID:	S50134-0051	Lab Sample ID:	AC05823
Date of Collection:	5/05/2023	Matrix:	Soil
Date of Preparation:	5/11/2023	Amount Prepared:	N/A
Date of Analysis:	5/13/2023	Percent Solids:	N/A
Dry Weight Prepared:	N/A	Extract Dilution:	1
Wet Weight Prepared:	2.06 grams	pH:	N/A
Volume Extracted:	N/A	GPC Factor:	N/A
Final 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	**0.68**	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	

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PCB's in Soil Field Method (Fixed Lab)

Client Sample ID:	S50134-0052	Lab Sample ID:	AC05824
Date of Collection:	5/05/2023	Matrix:	Soil
Date of Preparation:	5/11/2023	Amount Prepared:	N/A
Date of Analysis:	5/13/2023	Percent Solids:	N/A
Dry Weight Prepared:	N/A	Extract Dilution:	1
Wet Weight Prepared:	3.28 grams	pH:	N/A
Volume Extracted:	N/A	GPC Factor:	N/A
Final 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	**0.32**	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	

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PCB's in Soil Field Method (Fixed Lab)

Client Sample ID:	S50134-0053	Lab Sample ID:	AC05825
Date of Collection:	5/05/2023	Matrix:	Soil
Date of Preparation:	5/11/2023	Amount Prepared:	N/A
Date of Analysis:	5/17/2023	Percent Solids:	N/A
Dry Weight Prepared:	N/A	Extract Dilution:	1
Wet Weight Prepared:	2.78 grams	pH:	N/A
Volume Extracted:	N/A	GPC Factor:	N/A
Final 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	**0.99**	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	

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PCB's in Soil Field Method (Fixed Lab)

Client Sample ID:	S50134-0054	Lab Sample ID:	AC05826
Date of Collection:	5/05/2023	Matrix:	Soil
Date of Preparation:	5/11/2023	Amount Prepared:	N/A
Date of Analysis:	5/13/2023	Percent Solids:	N/A
Dry Weight Prepared:	N/A	Extract Dilution:	1
Wet Weight Prepared:	4.64 grams	pH:	N/A
Volume Extracted:	N/A	GPC Factor:	N/A
Final 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	

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PCB's in Soil Field Method (Fixed Lab)

Client Sample ID:	S50134-0055	Lab Sample ID:	AC05827
Date of Collection:	5/05/2023	Matrix:	Soil
Date of Preparation:	5/11/2023	Amount Prepared:	N/A
Date of Analysis:	5/13/2023	Percent Solids:	N/A
Dry Weight Prepared:	N/A	Extract Dilution:	1
Wet Weight Prepared:	2.57 grams	pH:	N/A
Volume Extracted:	N/A	GPC Factor:	N/A
Final 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	**0.34**	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	

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PCB's in Soil Field Method (Fixed Lab)

Client Sample ID:	S50134-0056	Lab Sample ID:	AC05828
Date of Collection:	5/05/2023	Matrix:	Soil
Date of Preparation:	5/11/2023	Amount Prepared:	N/A
Date of Analysis:	5/17/2023	Percent Solids:	N/A
Dry Weight Prepared:	N/A	Extract Dilution:	4
Wet Weight Prepared:	3.58 grams	pH:	N/A
Volume Extracted:	N/A	GPC Factor:	N/A
Final 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	**1.4**	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	

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PCB's in Soil Field Method (Fixed Lab)

Client Sample ID:	S50134-0073	Lab Sample ID:	AC05829
Date of Collection:	5/05/2023	Matrix:	Soil
Date of Preparation:	5/11/2023	Amount Prepared:	N/A
Date of Analysis:	5/13/2023	Percent Solids:	N/A
Dry Weight Prepared:	N/A	Extract Dilution:	1
Wet Weight Prepared:	1.65 grams	pH:	N/A
Volume Extracted:	N/A	GPC Factor:	N/A
Final 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	

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PCB's in Soil Field Method (Fixed Lab)

Client Sample ID:	S50134-0074	Lab Sample ID:	AC05830
Date of Collection:	5/05/2023	Matrix:	Soil
Date of Preparation:	5/11/2023	Amount Prepared:	N/A
Date of Analysis:	5/13/2023	Percent Solids:	N/A
Dry Weight Prepared:	N/A	Extract Dilution:	1
Wet Weight Prepared:	2.09 grams	pH:	N/A
Volume Extracted:	N/A	GPC Factor:	N/A
Final 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	

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PCB's in Soil Field Method (Fixed Lab)

Client Sample ID:	S50134-0075	Lab Sample ID:	AC05831
Date of Collection:	5/05/2023	Matrix:	Soil
Date of Preparation:	5/11/2023	Amount Prepared:	N/A
Date of Analysis:	5/13/2023	Percent Solids:	N/A
Dry Weight Prepared:	N/A	Extract Dilution:	1
Wet Weight Prepared:	2.07 grams	pH:	N/A
Volume Extracted:	N/A	GPC Factor:	N/A
Final 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	

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PCB's in Soil Field Method (Fixed Lab)

Client Sample ID:	S50134-0076	Lab Sample ID:	AC05832
Date of Collection:	5/05/2023	Matrix:	Soil
Date of Preparation:	5/11/2023	Amount Prepared:	N/A
Date of Analysis:	5/13/2023	Percent Solids:	N/A
Dry Weight Prepared:	N/A	Extract Dilution:	1
Wet Weight Prepared:	1.79 grams	pH:	N/A
Volume Extracted:	N/A	GPC Factor:	N/A
Final 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	

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PCB's in Soil Field Method (Fixed Lab)

Client Sample ID:	S50134-0077	Lab Sample ID:	AC05833
Date of Collection:	5/05/2023	Matrix:	Soil
Date of Preparation:	5/11/2023	Amount Prepared:	N/A
Date of Analysis:	5/13/2023	Percent Solids:	N/A
Dry Weight Prepared:	N/A	Extract Dilution:	1
Wet Weight Prepared:	1.53 grams	pH:	N/A
Volume Extracted:	N/A	GPC Factor:	N/A
Final 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	

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PCB's in Soil Field Method (Fixed Lab)

Client Sample ID:	S50134-0078	Lab Sample ID:	AC05834
Date of Collection:	5/05/2023	Matrix:	Soil
Date of Preparation:	5/11/2023	Amount Prepared:	N/A
Date of Analysis:	5/13/2023	Percent Solids:	N/A
Dry Weight Prepared:	N/A	Extract Dilution:	1
Wet Weight Prepared:	1.46 grams	pH:	N/A
Volume Extracted:	N/A	GPC Factor:	N/A
Final 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	

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PCB's in Soil Field Method (Fixed Lab)

Client Sample ID:	S50134-0079	Lab Sample ID:	AC05835
Date of Collection:	5/05/2023	Matrix:	Soil
Date of Preparation:	5/11/2023	Amount Prepared:	N/A
Date of Analysis:	5/13/2023	Percent Solids:	N/A
Dry Weight Prepared:	N/A	Extract Dilution:	1
Wet Weight Prepared:	2.45 grams	pH:	N/A
Volume Extracted:	N/A	GPC Factor:	N/A
Final 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	**0.43**	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	

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PCB's in Soil Field Method (Fixed Lab)

Client Sample ID:	S50134-0080	Lab Sample ID:	AC05836
Date of Collection:	5/05/2023	Matrix:	Soil
Date of Preparation:	5/11/2023	Amount Prepared:	N/A
Date of Analysis:	5/17/2023	Percent Solids:	N/A
Dry Weight Prepared:	N/A	Extract Dilution:	1
Wet Weight Prepared:	2.75 grams	pH:	N/A
Volume Extracted:	N/A	GPC Factor:	N/A
Final 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	**1.0**	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	

Riverside Square PCB - Boston, MA

PCB's in Soil Field Method (Fixed Lab)

Client Sample ID:	S50134-0081	Lab Sample ID:	AC05837
Date of Collection:	5/05/2023	Matrix:	Soil
Date of Preparation:	5/11/2023	Amount Prepared:	N/A
Date of Analysis:	5/13/2023	Percent Solids:	N/A
Dry Weight Prepared:	N/A	Extract Dilution:	1
Wet Weight Prepared:	2.46 grams	pH:	N/A
Volume Extracted:	N/A	GPC Factor:	N/A
Final 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	**0.32**	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	

Riverside Square PCB - Boston, MA

PCB's in Soil Field Method (Fixed Lab)

Client Sample ID:	S50134-0101	Lab Sample ID:	AC05838
Date of Collection:	5/05/2023	Matrix:	Soil
Date of Preparation:	5/11/2023	Amount Prepared:	N/A
Date of Analysis:	5/13/2023	Percent Solids:	N/A
Dry Weight Prepared:	N/A	Extract Dilution:	1
Wet Weight Prepared:	1.25 grams	pH:	N/A
Volume Extracted:	N/A	GPC Factor:	N/A
Final 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	

Riverside Square PCB - Boston, MA

PCB's in Soil Field Method (Fixed Lab)

Client Sample ID:	S50134-0102	Lab Sample ID:	AC05839
Date of Collection:	5/05/2023	Matrix:	Soil
Date of Preparation:	5/11/2023	Amount Prepared:	N/A
Date of Analysis:	5/14/2023	Percent Solids:	N/A
Dry Weight Prepared:	N/A	Extract Dilution:	1
Wet Weight Prepared:	1.70 grams	pH:	N/A
Volume Extracted:	N/A	GPC Factor:	N/A
Final 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	

Riverside Square PCB - Boston, MA

PCB's in Soil Field Method (Fixed Lab)

Client Sample ID:	S50134-0103	Lab Sample ID:	AC05840
Date of Collection:	5/05/2023	Matrix:	Soil
Date of Preparation:	5/11/2023	Amount Prepared:	N/A
Date of Analysis:	5/14/2023	Percent Solids:	N/A
Dry Weight Prepared:	N/A	Extract Dilution:	1
Wet Weight Prepared:	1.54 grams	pH:	N/A
Volume Extracted:	N/A	GPC Factor:	N/A
Final 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	

Riverside Square PCB - Boston, MA

PCB's in Soil Field Method (Fixed Lab)

Client Sample ID:	S50134-0104	Lab Sample ID:	AC05841
Date of Collection:	5/05/2023	Matrix:	Soil
Date of Preparation:	5/11/2023	Amount Prepared:	N/A
Date of Analysis:	5/14/2023	Percent Solids:	N/A
Dry Weight Prepared:	N/A	Extract Dilution:	1
Wet Weight Prepared:	1.46 grams	pH:	N/A
Volume Extracted:	N/A	GPC Factor:	N/A
Final 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	

Riverside Square PCB - Boston, MA

PCB's in Soil Field Method (Fixed Lab)

Client Sample ID:	S50134-0107	Lab Sample ID:	AC05842
Date of Collection:	5/05/2023	Matrix:	Soil
Date of Preparation:	5/11/2023	Amount Prepared:	N/A
Date of Analysis:	5/14/2023	Percent Solids:	N/A
Dry Weight Prepared:	N/A	Extract Dilution:	1
Wet Weight Prepared:	1.47 grams	pH:	N/A
Volume Extracted:	N/A	GPC Factor:	N/A
Final 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	**0.63**	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	

Riverside Square PCB - Boston, MA

PCB's in Soil Field Method (Fixed Lab)

Client Sample ID:	S50134-0122	Lab Sample ID:	AC05843
Date of Collection:	5/05/2023	Matrix:	Soil
Date of Preparation:	5/11/2023	Amount Prepared:	N/A
Date of Analysis:	5/17/2023	Percent Solids:	N/A
Dry Weight Prepared:	N/A	Extract Dilution:	1
Wet Weight Prepared:	1.53 grams	pH:	N/A
Volume Extracted:	N/A	GPC Factor:	N/A
Final 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	**1.8**	0.20	
11097-69-1	Aroclor-1254	**1.5**	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	

Riverside Square PCB - Boston, MA

PCB's in Soil Field Method (Fixed Lab)

Client Sample ID:	S50134-0123	Lab Sample ID:	AC05844
Date of Collection:	5/05/2023	Matrix:	Soil
Date of Preparation:	5/11/2023	Amount Prepared:	N/A
Date of Analysis:	5/17/2023	Percent Solids:	N/A
Dry Weight Prepared:	N/A	Extract Dilution:	1
Wet Weight Prepared:	1.94 grams	pH:	N/A
Volume Extracted:	N/A	GPC Factor:	N/A
Final 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	**1.2**	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	

Riverside Square PCB - Boston, MA

PCB's in Soil Field Method (Fixed Lab)

Client Sample ID:	S50134-0124	Lab Sample ID:	AC05845
Date of Collection:	5/05/2023	Matrix:	Soil
Date of Preparation:	5/11/2023	Amount Prepared:	N/A
Date of Analysis:	5/17/2023	Percent Solids:	N/A
Dry Weight Prepared:	N/A	Extract Dilution:	1
Wet Weight Prepared:	1.48 grams	pH:	N/A
Volume Extracted:	N/A	GPC Factor:	N/A
Final 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	**1.7**	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	

Riverside Square PCB - Boston, MA

PCB's in Soil Field Method (Fixed Lab)

Client Sample ID:	S50134-0142	Lab Sample ID:	AC05847
Date of Collection:	5/05/2023	Matrix:	Soil PE
Date of Preparation:	5/11/2023	Amount Prepared:	N/A
Date of Analysis:	5/17/2023	Percent Solids:	N/A
Dry Weight Prepared:	N/A	Extract Dilution:	4
Wet Weight Prepared:	1.68 grams	pH:	N/A
Volume Extracted:	N/A	GPC Factor:	N/A
Final 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	**3.1**	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	

Riverside Square PCB - Boston, MA

PCB's in Soil Field Method (Fixed Lab)

Client Sample ID:	S50134-0143	Lab Sample ID:	AC05848
Date of Collection:	5/05/2023	Matrix:	Soil
Date of Preparation:	5/11/2023	Amount Prepared:	N/A
Date of Analysis:	5/14/2023	Percent Solids:	N/A
Dry Weight Prepared:	N/A	Extract Dilution:	1
Wet Weight Prepared:	1.38 grams	pH:	N/A
Volume Extracted:	N/A	GPC Factor:	N/A
Final 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	

Riverside Square PCB - Boston, MA

PCB's in Soil Field Method (Fixed Lab)

Client Sample ID:	S50134-0144	Lab Sample ID:	AC05849
Date of Collection:	5/05/2023	Matrix:	Soil
Date of Preparation:	5/11/2023	Amount Prepared:	N/A
Date of Analysis:	5/17/2023	Percent Solids:	N/A
Dry Weight Prepared:	N/A	Extract Dilution:	8
Wet Weight Prepared:	1.81 grams	pH:	N/A
Volume Extracted:	N/A	GPC Factor:	N/A
Final 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	**3.9**	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	

Riverside Square PCB - Boston, MA

PCB's in Soil Field Method (Fixed Lab)

Client Sample ID:	S50134-0146	Lab Sample ID:	AC05850
Date of Collection:	5/05/2023	Matrix:	Soil
Date of Preparation:	5/11/2023	Amount Prepared:	N/A
Date of Analysis:	5/14/2023	Percent Solids:	N/A
Dry Weight Prepared:	N/A	Extract Dilution:	1
Wet Weight Prepared:	1.73 grams	pH:	N/A
Volume Extracted:	N/A	GPC Factor:	N/A
Final 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	

Riverside Square PCB - Boston, MA

Laboratory Duplicate Results

Sample ID: AC05704

PARAMETER	SAMPLE RESULT mg/Kg	SAMPLE DUPLICATE RESULT mg/Kg	PRECISION RPD %	QC LIMITS
Aroclor-1242	ND	ND	NC	50
Aroclor-1248	ND	ND	NC	50
Aroclor-1254	ND	ND	NC	50
Aroclor-1260	ND	ND	NC	50
Aroclor-1262	ND	ND	NC	50
Aroclor-1268	ND	ND	NC	50

Laboratory Duplicate Results

Sample ID: AC05724

PARAMETER	SAMPLE RESULT mg/Kg	SAMPLE DUPLICATE RESULT mg/Kg	PRECISION RPD %	QC LIMITS
Aroclor-1242	ND	ND	NC	50
Aroclor-1248	ND	ND	NC	50
Aroclor-1254	ND	ND	NC	50
Aroclor-1260	ND	ND	NC	50
Aroclor-1262	ND	ND	NC	50
Aroclor-1268	ND	ND	NC	50

Laboratory Duplicate Results

Sample ID: AC05731

PARAMETER	SAMPLE RESULT mg/Kg	SAMPLE DUPLICATE RESULT mg/Kg	PRECISION RPD %	QC LIMITS
Aroclor-1242	ND	ND	NC	50
Aroclor-1248	ND	ND	NC	50
Aroclor-1254	ND	ND	NC	50
Aroclor-1260	ND	ND	NC	50
Aroclor-1262	ND	ND	NC	50
Aroclor-1268	ND	ND	NC	50

Laboratory Duplicate Results

Sample ID: AC05748

PARAMETER	SAMPLE RESULT mg/Kg	SAMPLE DUPLICATE RESULT mg/Kg	PRECISION RPD %	QC LIMITS
Aroclor-1242	ND	ND	NC	50
Aroclor-1248	5.1	5.2	1.9	50
Aroclor-1254	ND	ND	NC	50
Aroclor-1260	ND	ND	NC	50

Riverside Square PCB - Boston, MA

Laboratory Duplicate Results

Sample ID: AC05748

PARAMETER	SAMPLE RESULT mg/Kg	SAMPLE DUPLICATE RESULT mg/Kg	PRECISION RPD %	QC LIMITS
Aroclor-1262	ND	ND	NC	50
Aroclor-1268	ND	ND	NC	50

Laboratory Duplicate Results

Sample ID: AC05754

PARAMETER	SAMPLE RESULT mg/Kg	SAMPLE DUPLICATE RESULT mg/Kg	PRECISION RPD %	QC LIMITS
Aroclor-1242	ND	ND	NC	50
Aroclor-1248	ND	ND	NC	50
Aroclor-1254	0.88	0.97	9.7	50
Aroclor-1260	ND	ND	NC	50
Aroclor-1262	ND	ND	NC	50
Aroclor-1268	ND	ND	NC	50

Laboratory Duplicate Results

Sample ID: AC05791

PARAMETER	SAMPLE RESULT mg/Kg	SAMPLE DUPLICATE RESULT mg/Kg	PRECISION RPD %	QC LIMITS
Aroclor-1242	ND	ND	NC	50
Aroclor-1248	1.1	1.2	8.7	50
Aroclor-1254	ND	ND	NC	50
Aroclor-1260	ND	ND	NC	50
Aroclor-1262	ND	ND	NC	50
Aroclor-1268	ND	ND	NC	50

Laboratory Duplicate Results

Sample ID: AC05805

PARAMETER	SAMPLE RESULT mg/Kg	SAMPLE DUPLICATE RESULT mg/Kg	PRECISION RPD %	QC LIMITS
Aroclor-1242	ND	ND	NC	50
Aroclor-1248	5.2	4.2	21	50
Aroclor-1254	ND	ND	NC	50
Aroclor-1260	ND	ND	NC	50
Aroclor-1262	ND	ND	NC	50
Aroclor-1268	ND	ND	NC	50

Laboratory Duplicate Results

Riverside Square PCB - Boston, MA

Sample ID: AC05822

PARAMETER	SAMPLE RESULT mg/Kg	SAMPLE DUPLICATE RESULT mg/Kg	PRECISION RPD %	QC LIMITS
Aroclor-1242	ND	ND	NC	50
Aroclor-1248	4.5	6.3	33	50
Aroclor-1254	ND	ND	NC	50
Aroclor-1260	ND	ND	NC	50
Aroclor-1262	ND	ND	NC	50
Aroclor-1268	ND	ND	NC	50

Laboratory Duplicate Results

Sample ID: AC05839

PARAMETER	SAMPLE RESULT mg/Kg	SAMPLE DUPLICATE RESULT mg/Kg	PRECISION RPD %	QC LIMITS
Aroclor-1242	ND	ND	NC	50
Aroclor-1248	ND	ND	NC	50
Aroclor-1254	ND	ND	NC	50
Aroclor-1260	ND	ND	NC	50
Aroclor-1262	ND	ND	NC	50
Aroclor-1268	ND	ND	NC	50

Samples in Batch: AC05701, AC05702, AC05703, AC05704, AC05705, AC05706, AC05707, AC05708, AC05709, AC05710, AC05711, AC05712, AC05713, AC05714, AC05715, AC05716, AC05717, AC05718, AC05719, AC05720, AC05721, AC05722, AC05723, AC05724, AC05725, AC05726, AC05727, AC05728, AC05729, AC05730, AC05731, AC05732, AC05733, AC05734, AC05735, AC05736, AC05737, AC05738, AC05739, AC05740, AC05741, AC05742, AC05743, AC05744, AC05745, AC05746, AC05747, AC05748, AC05749, AC05750, AC05751, AC05752, AC05753, AC05754, AC05755, AC05756, AC05757, AC05758, AC05759, AC05760, AC05761, AC05762, AC05763, AC05764, AC05765, AC05766, AC05767, AC05768, AC05769, AC05770, AC05771, AC05772, AC05773, AC05774, AC05775, AC05776, AC05778, AC05779, AC05780, AC05781, AC05782, AC05783, AC05784, AC05785, AC05786, AC05787, AC05788, AC05789, AC05790, AC05791, AC05792, AC05793, AC05794, AC05795, AC05796, AC05797, AC05798, AC05799, AC05800, AC05801, AC05802, AC05803, AC05804, AC05805, AC05806, AC05807, AC05808, AC05809, AC05810, AC05811, AC05812, AC05813, AC05814, AC05815, AC05816, AC05817, AC05818, AC05819, AC05820, AC05821, AC05822, AC05823, AC05824, AC05825, AC05826, AC05827, AC05828, AC05829, AC05830, AC05831, AC05832, AC05833, AC05834, AC05835, AC05836, AC05837, AC05838, AC05839, AC05840, AC05841, AC05842, AC05843, AC05844, AC05845, AC05847, AC05848, AC05849, AC05850

PN 23050011

USEPA
WESTON/START
101 Billerica Ave
N Billerica, MA

CHAIN OF CUSTODY RECORD
Site #: S50134MA
Contact Name: Bonnie Mace
Contact Phone: 978-621-1213

No: 1-050823-093159-0001
Riverside Sq PCB
Lab: LSASD/OEME
Lab Phone: 617-918-8490

Lab #	Sample #	Location	Analyses	Matrix	Sample Date	Sample Time	Numb Cont	Container	Preservative	Lab QC
	S50134MA-0033	C-575	PCBs	Soil	5/4/2023	10:05	1	poly bag	4 C	N
	S50134MA-0034	C-575	PCBs	Soil	5/4/2023	10:15	1	poly bag	4 C	N
	S50134MA-0035	C-600	PCBs	Soil	5/4/2023	10:00	1	poly bag	4 C	N
	S50134MA-0036	C-625	PCBs	Soil	5/4/2023	10:05	1	poly bag	4 C	N
	S50134MA-0037	C-650	PCBs	Soil	5/4/2023	10:15	1	poly bag	4 C	N
	S50134MA-0038	C-650	PCBs	Soil	5/4/2023	10:30	1	poly bag	4 C	N
	S50134MA-0039	C-675	PCBs	Soil	5/4/2023	10:15	1	poly bag	4 C	N
	S50134MA-0040	C-675	PCBs	Soil	5/4/2023	10:20	1	poly bag	4 C	N
	S50134MA-0041	C-700	PCBs	Soil	5/4/2023	10:25	1	poly bag	4 C	N
	S50134MA-0042	C-700	PCBs	Soil	5/4/2023	10:30	1	poly bag	4 C	N
	S50134MA-0043	C-725	PCBs	Soil	5/4/2023	10:12	1	poly bag	4 C	N
	S50134MA-0044	C-725	PCBs	Soil	5/4/2023	10:23	1	poly bag	4 C	N
	S50134MA-0045	C-750	PCBs	Soil	5/4/2023	10:32	1	poly bag	4 C	N
	S50134MA-0046	C-750	PCBs	Soil	5/4/2023	10:48	1	poly bag	4 C	N
	S50134MA-0047	C-775	PCBs	Soil	5/4/2023	10:20	1	poly bag	4 C	N
	S50134MA-0048	C-775	PCBs	Soil	5/4/2023	10:30	1	poly bag	4 C	N
	S50134MA-0057	D-575	PCBs	Soil	5/4/2023	10:45	1	poly bag	4 C	N
	S50134MA-0058	D-575	PCBs	Soil	5/4/2023	11:00	1	poly bag	4 C	N
	S50134MA-0059	D-600	PCBs	Soil	5/4/2023	11:00	1	poly bag	4 C	N

Special Instructions:

SAMPLES TRANSFERRED FROM
CHAIN OF CUSTODY #

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
	[illegible] / Weston	5-8-23 1600	[illegible] ESAT	5-8-23 16:00	

PN: 23050011

USEPA
WESTON/START
101 Billerica Ave
N Billerica, MA

CHAIN OF CUSTODY RECORD
Site #: S50134MA
Contact Name: Bonnie Mace
Contact Phone: 978-621-1213

No: 1-050823-093159-0001
Riverside Sq PCB
Lab: LSASD/OEME
Lab Phone: 617-918-8490

Lab #	Sample #	Location	Analyses	Matrix	Sample Date	Sample Time	Numb Cont	Container	Preservative	Lab QC
	S50134MA-0060	D-600	PCBs	Soil	5/4/2023	11:10	1	poly bag	4 C	N
	S50134MA-0061	D-625	PCBs	Soil	5/4/2023	11:15	1	poly bag	4 C	N
	S50134MA-0062	D-650	PCBs	Soil	5/4/2023	11:30	1	poly bag	4 C	N
	S50134MA-0063	D-650	PCBs	Soil	5/4/2023	11:40	1	poly bag	4 C	N
	S50134MA-0064	D-675	PCBs	Soil	5/4/2023	11:04	1	poly bag	4 C	N
	S50134MA-0065	D-700	PCBs	Soil	5/4/2023	11:05	1	poly bag	4 C	N
	S50134MA-0066	D-700	PCBs	Soil	5/4/2023	11:20	1	poly bag	4 C	N
	S50134MA-0067	D-725	PCBs	Soil	5/4/2023	10:50	1	poly bag	4 C	N
	S50134MA-0068	D-725	PCBs	Soil	5/4/2023	11:00	1	poly bag	4 C	N
	S50134MA-0069	D-750	PCBs	Soil	5/4/2023	10:50	1	poly bag	4 C	N
	S50134MA-0070	D-750	PCBs	Soil	5/4/2023	11:00	1	poly bag	4 C	N
	S50134MA-0071	D-775	PCBs	Soil	5/4/2023	10:40	1	poly bag	4 C	N
	S50134MA-0072	D-775	PCBs	Soil	5/4/2023	10:55	1	poly bag	4 C	N
	S50134MA-0082	E-575	PCBs	Soil	5/4/2023	11:30	1	poly bag	4 C	N
	S50134MA-0083	E-600	PCBs	Soil	5/4/2023	11:35	1	poly bag	4 C	N
	S50134MA-0084	E-600	PCBs	Soil	5/4/2023	11:50	1	poly bag	4 C	N
	S50134MA-0085	E-625	PCBs	Soil	5/4/2023	11:15	1	poly bag	4 C	N
	S50134MA-0086	E-625	PCBs	Soil	5/4/2023	11:25	1	poly bag	4 C	N
	S50134MA-0087	E-650	PCBs	Soil	5/4/2023	11:23	1	poly bag	4 C	N

Special Instructions:

SAMPLES TRANSFERRED FROM
CHAIN OF CUSTODY #

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
	[signature] / Weston	5-8-23 1600	[signature] ESAT	5-8-23 1600	

PN: 23050011

USEPA
WESTON/START
101 Billerica Ave
N Billerica, MA

CHAIN OF CUSTODY RECORD
Site #: S50134MA
Contact Name: Bonnie Mace
Contact Phone: 978-621-1213

No: 1-050823-093159-0001
Riverside Sq PCB
Lab: LSASD/OEME
Lab Phone: 617-918-8490

Lab #	Sample #	Location	Analyses	Matrix	Sample Date	Sample Time	Numb Cont	Container	Preservative	Lab QC
	S50134MA-0088	E-650	PCBs	Soil	5/4/2023	11:32	1	poly bag	4 C	N
	S50134MA-0089	E-675	PCBs	Soil	5/4/2023	11:35	1	poly bag	4 C	N
	S50134MA-0090	E-675	PCBs	Soil	5/4/2023	11:45	1	poly bag	4 C	N
	S50134MA-0091	E-700	PCBs	Soil	5/4/2023	11:43	1	poly bag	4 C	N
	S50134MA-0092	E-700	PCBs	Soil	5/4/2023	12:00	1	poly bag	4 C	N
	S50134MA-0093	E-725	PCBs	Soil	5/4/2023	11:45	1	poly bag	4 C	N
	S50134MA-0094	E-725	PCBs	Soil	5/4/2023	12:00	1	poly bag	4 C	N
	S50134MA-0095	E-750	PCBs	Soil	5/4/2023	11:55	1	poly bag	4 C	N
	S50134MA-0096	E-750	PCBs	Soil	5/4/2023	12:05	1	poly bag	4 C	N
	S50134MA-0097	E-775	PCBs	Soil	5/4/2023	12:00	1	poly bag	4 C	N
	S50134MA-0098	E-775	PCBs	Soil	5/4/2023	12:10	1	poly bag	4 C	N
	S50134MA-0099	E-800	PCBs	Soil	5/4/2023	14:24	1	poly bag	4 C	N
	S50134MA-0100	E-800	PCBs	Soil	5/4/2023	14:58	1	poly bag	4 C	N
	S50134MA-0105	EF-775	PCBs	Soil	5/4/2023	14:37	1	poly bag	4 C	N
	S50134MA-0106	EF-775	PCBs	Soil	5/4/2023	14:48	1	poly bag	4 C	N
	S50134MA-0108	F-575	PCBs	Soil	5/4/2023	14:20	1	poly bag	4 C	N
	S50134MA-0109	F-600	PCBs	Soil	5/4/2023	11:50	1	poly bag	4 C	N
	S50134MA-0110	F-600	PCBs	Soil	5/4/2023	11:58	1	poly bag	4 C	N
	S50134MA-0111	F-625	PCBs	Soil	5/4/2023	12:25	1	poly bag	4 C	N

Special Instructions:

SAMPLES TRANSFERRED FROM
CHAIN OF CUSTODY #

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
	Weston	5-8-23 1600	ESAT	5-8-23 1600	

 PN 23050011

USEPA
WESTON/START
101 Billerica Ave
N Billerica, MA

CHAIN OF CUSTODY RECORD
Site #: S50134MA
Contact Name: Bonnie Mace
Contact Phone: 978-621-1213

No: 1-050823-093159-0001
Riverside Sq PCB
Lab: LSASD/OEME
Lab Phone: 617-918-8490

Lab #	Sample #	Location	Analyses	Matrix	Sample Date	Sample Time	Numb Cont	Container	Preservative	Lab QC
	S50134MA-0112	F-625	PCBs	Soil	5/4/2023	12:35	1	poly bag	4 C	N
	S50134MA-0113	F-650	PCBs	Soil	5/4/2023	12:20	1	poly bag	4 C	N
	S50134MA-0114	F-675	PCBs	Soil	5/4/2023	12:20	1	poly bag	4 C	N
	S50134MA-0115	F-700	PCBs	Soil	5/4/2023	12:10	1	poly bag	4 C	N
	S50134MA-0116	F-700	PCBs	Soil	5/4/2023	12:20	1	poly bag	4 C	N
	S50134MA-0117	F-725	PCBs	Soil	5/4/2023	12:15	1	poly bag	4 C	N
	S50134MA-0118	F-725	PCBs	Soil	5/4/2023	12:30	1	poly bag	4 C	N
	S50134MA-0119	F-750	PCBs	Soil	5/4/2023	14:30	1	poly bag	4 C	N
	S50134MA-0120	F-750	PCBs	Soil	5/4/2023	14:35	1	poly bag	4 C	N
	S50134MA-0121	F-775	PCBs	Soil	5/4/2023	14:50	1	poly bag	4 C	N
	S50134MA-0125	G-575	PCBs	Soil	5/4/2023	14:20	1	poly bag	4 C	N
	S50134MA-0126	G-600	PCBs	Soil	5/4/2023	12:15	1	poly bag	4 C	N
	S50134MA-0127	G-625	PCBs	Soil	5/4/2023	12:30	1	poly bag	4 C	N
	S50134MA-0128	G-625	PCBs	Soil	5/4/2023	12:40	1	poly bag	4 C	N
	S50134MA-0129	G-650	PCBs	Soil	5/4/2023	12:44	1	poly bag	4 C	N
	S50134MA-0130	G-650	PCBs	Soil	5/4/2023	12:53	1	poly bag	4 C	N
	S50134MA-0131	H-575	PCBs	Soil	5/4/2023	14:20	1	poly bag	4 C	N
	S50134MA-0132	H-575	PCBs	Soil	5/4/2023	14:30	1	poly bag	4 C	N
	S50134MA-0133	H-660	PCBs	Soil	5/4/2023	11:20	1	poly bag	4 C	N

Special Instructions:

SAMPLES TRANSFERRED FROM
CHAIN OF CUSTODY #

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
	Tom Page Weston	5-8-23 Weston 1600	[illegible] ESAT	5-8-23 1600	

 PN: 23050011

USEPA
WESTON/START
101 Billerica Ave
N Billerica, MA

CHAIN OF CUSTODY RECORD
Site #: S50134MA
Contact Name: Bonnie Mace
Contact Phone: 978-621-1213

No: 1-050823-093159-0001
Riverside Sq PCB
Lab: LSASD/OEME
Lab Phone: 617-918-8490

Lab #	Sample #	Location	Analyses	Matrix	Sample Date	Sample Time	Numb Cont	Container	Preservative	Lab QC
	S50134MA-0134	RB-01	PCBs	water	5/4/2023	15:30	2	1 L Amber	4 C	N
	S50134MA-0136	W-001	PCBs	Soil	5/4/2023	14:40	1	poly bag	4 C	N
	S50134MA-0137	W-001	PCBs	Soil	5/4/2023	14:43	1	poly bag	4 C	N
	S50134MA-0138	W-002	PCBs	Soil	5/4/2023	14:45	1	poly bag	4 C	N
	S50134MA-0139	W-003	PCBs	Soil	5/4/2023	14:45	1	poly bag	4 C	N
	S50134MA-0140	W-004	PCBs	Soil	5/4/2023	14:45	1	poly bag	4 C	N
	S50134MA-0141	AS2129	PCBs	PE	5/4/2023	15:00	1	2 oz jar	4 C	N
	S50134MA-0145	D-725	PCBs	Soil	5/4/2023	10:50	1	poly bag	4 C	N
	S50134MA-0147	E-775	PCBs	Soil	5/4/2023	12:10	1	poly bag	4 C	N
	S50134MA-0148	F-625	PCBs	Soil	5/4/2023	12:25	1	poly bag	4 C	N
	S50134MA-0149	G-575	PCBs	Soil	5/4/2023	14:20	1	poly bag	4 C	N
	S50134MA-0150	H-575	PCBs	Soil	5/4/2023	14:20	1	poly bag	4 C	N

Special Instructions:

SAMPLES TRANSFERRED FROM
CHAIN OF CUSTODY #

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
	Weston	5-8-23 1600	EJAT	5-8-23 16:00	

 PN · 23050011

USEPA
WESTON/START
101 Billerica Ave
N Billerica, MA

CHAIN OF CUSTODY RECORD
Site #: S50134MA
Contact Name: Bonnie Mace
Contact Phone: 978-621-1213

No: 1-050823-095655-0002
Riverside Sq PCB
Lab: LSASD/QEME
Lab Phone: 617-918-8490

Lab #	Sample #	Location	Analyses	Matrix	Sample Date	Sample Time	Numb Cont	Container	Preservative	Lab QC
	S50134MA-0001	A-025	PCBs	Soil	5/5/2023	09:30	1	poly bag	4 C	N
	S50134MA-0002	A-050	PCBs	Soil	5/5/2023	09:22	1	poly bag	4 C	N
	S50134MA-0003	A-050	PCBs	Soil	5/5/2023	09:28	1	poly bag	4 C	N
	S50134MA-0004	A-075	PCBs	Soil	5/5/2023	09:30	1	poly bag	4 C	N
	S50134MA-0005	A-100	PCBs	Soil	5/5/2023	10:02	1	poly bag	4 C	N
	S50134MA-0006	A-125	PCBs	Soil	5/5/2023	10:35	1	poly bag	4 C	N
	S50134MA-0007	A-150	PCBs	Soil	5/5/2023	10:45	1	poly bag	4 C	N
	S50134MA-0008	AA-100	PCBs	Soil	5/5/2023	11:32	1	poly bag	4 C	N
	S50134MA-0009	AA-100	PCBs	Soil	5/5/2023	11:40	1	poly bag	4 C	N
	S50134MA-0010	B-025	PCBs	Soil	5/5/2023	09:35	1	poly bag	4 C	N
	S50134MA-0011	B-025	PCBs	Soil	5/5/2023	09:45	1	poly bag	4 C	N
	S50134MA-0012	B-050	PCBs	Soil	5/5/2023	09:20	1	poly bag	4 C	N
	S50134MA-0013	B-075	PCBs	Soil	5/5/2023	09:35	1	poly bag	4 C	N
	S50134MA-0014	B-100	PCBs	Soil	5/5/2023	10:05	1	poly bag	4 C	N
	S50134MA-0015	B-125	PCBs	Soil	5/5/2023	10:25	1	poly bag	4 C	N
	S50134MA-0016	B-125	PCBs	Soil	5/5/2023	10:30	1	poly bag	4 C	N
	S50134MA-0017	B-150	PCBs	Soil	5/5/2023	10:35	1	poly bag	4 C	N
	S50134MA-0018	B-150	PCBs	Soil	5/5/2023	10:52	1	poly bag	4 C	N
	S50134MA-0019	B-175	PCBs	Soil	5/5/2023	10:42	1	poly bag	4 C	N

Special Instructions:

SAMPLES TRANSFERRED FROM
CHAIN OF CUSTODY #

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
	WESTON	5-8-23 1600	EMT	5-8-23 16:00	

 PN: 23050011

USEPA
WESTON/START
101 Billerica Ave
N Billerica, MA

CHAIN OF CUSTODY RECORD
Site #: S50134MA
Contact Name: Bonnie Mace
Contact Phone: 978-621-1213

No: 1-050823-095655-0002
Riverside Sq PCB
Lab: LSASD/OEME
Lab Phone: 617-918-8490

Lab #	Sample #	Location	Analyses	Matrix	Sample Date	Sample Time	Numb Cont	Container	Preservative	Lab QC
	S50134MA-0020	B-175	PCBs	Soil	5/5/2023	10:50	1	poly bag	4 C	N
	S50134MA-0021	BB-100	PCBs	Soil	5/5/2023	11:45	1	poly bag	4 C	N
	S50134MA-0022	BB-100	PCBs	Soil	5/5/2023	11:51	1	poly bag	4 C	N
	S50134MA-0023	C-025	PCBs	Soil	5/5/2023	09:40	1	poly bag	4 C	N
	S50134MA-0024	C-025	PCBs	Soil	5/5/2023	09:45	1	poly bag	4 C	N
	S50134MA-0025	C-050	PCBs	Soil	5/5/2023	09:25	1	poly bag	4 C	N
	S50134MA-0026	C-075	PCBs	Soil	5/5/2023	10:10	1	poly bag	4 C	N
	S50134MA-0027	C-100	PCBs	Soil	5/5/2023	10:29	1	poly bag	4 C	N
	S50134MA-0028	C-125	PCBs	Soil	5/5/2023	10:20	1	poly bag	4 C	N
	S50134MA-0029	C-150	PCBs	Soil	5/5/2023	10:40	1	poly bag	4 C	N
	S50134MA-0030	C-175	PCBs	Soil	5/5/2023	10:45	1	poly bag	4 C	N
	S50134MA-0031	C-175	PCBs	Soil	5/5/2023	10:55	1	poly bag	4 C	N
	S50134MA-0032	C-200	PCBs	Soil	5/5/2023	10:55	1	poly bag	4 C	N
	S50134MA-0049	CC-100	PCBs	Soil	5/5/2023	11:45	1	poly bag	4 C	N
	S50134MA-0050	D-025	PCBs	Soil	5/5/2023	09:42	1	poly bag	4 C	N
	S50134MA-0051	D-050	PCBs	Soil	5/5/2023	09:30	1	poly bag	4 C	N
	S50134MA-0052	D-075	PCBs	Soil	5/5/2023	10:05	1	poly bag	4 C	N
	S50134MA-0053	D-100	PCBs	Soil	5/5/2023	10:35	1	poly bag	4 C	N
	S50134MA-0054	D-125	PCBs	Soil	5/5/2023	10:45	1	poly bag	4 C	N

Special Instructions:

SAMPLES TRANSFERRED FROM
CHAIN OF CUSTODY #

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
	[signature] Weston	5-8-23 1600	[signature] ESAT	5-8-23 16:00	

PN: 23050011

USEPA
WESTON/START
101 Billerica Ave
N Billerica, MA

CHAIN OF CUSTODY RECORD
Site #: S50134MA
Contact Name: Bonnie Mace
Contact Phone: 978-621-1213

No: 1-050823-095655-0002
Riverside Sq PCB
Lab: LSASD/OEME
Lab Phone: 617-918-8490

Lab #	Sample #	Location	Analyses	Matrix	Sample Date	Sample Time	Numb Cont	Container	Preservative	Lab QC
	S50134MA-0055	D-150	PCBs	Soil	5/5/2023	10:40	1	poly bag	4 C	N
	S50134MA-0056	D-150	PCBs	Soil	5/5/2023	10:55	1	poly bag	4 C	N
	S50134MA-0073	DD-050	PCBs	Soil	5/5/2023	12:00	1	poly bag	4 C	N
	S50134MA-0074	DD-050	PCBs	Soil	5/5/2023	12:10	1	poly bag	4 C	N
	S50134MA-0075	DD-075	PCBs	Soil	5/5/2023	11:45	1	poly bag	4 C	N
	S50134MA-0076	DD-075	PCBs	Soil	5/5/2023	11:55	1	poly bag	4 C	N
	S50134MA-0077	DD-100	PCBs	Soil	5/5/2023	12:00	1	poly bag	4 C	N
	S50134MA-0078	DD-100	PCBs	Soil	5/5/2023	12:05	1	poly bag	4 C	N
	S50134MA-0079	E-025	PCBs	Soil	5/5/2023	10:10	1	poly bag	4 C	N
	S50134MA-0080	E-050	PCBs	Soil	5/5/2023	09:44	1	poly bag	4 C	N
	S50134MA-0081	E-075	PCBs	Soil	5/5/2023	10:15	1	poly bag	4 C	N
	S50134MA-0101	EE-100	PCBs	Soil	5/5/2023	12:00	1	poly bag	4 C	N
	S50134MA-0102	EE-100	PCBs	Soil	5/5/2023	12:10	1	poly bag	4 C	N
	S50134MA-0103	EE-125	PCBs	Soil	5/5/2023	12:15	1	poly bag	4 C	N
	S50134MA-0104	EE-125	PCBs	Soil	5/5/2023	12:20	1	poly bag	4 C	N
	S50134MA-0107	F-025	PCBs	Soil	5/5/2023	10:01	1	poly bag	4 C	N
	S50134MA-0122	FF-075	PCBs	Soil	5/5/2023	12:05	1	poly bag	4 C	N
	S50134MA-0123	FF-100	PCBs	Soil	5/5/2023	12:24	1	poly bag	4 C	N
	S50134MA-0124	FF-125	PCBs	Soil	5/5/2023	12:25	1	poly bag	4 C	N

Special Instructions:

SAMPLES TRANSFERRED FROM
CHAIN OF CUSTODY #

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
	Weston	5-8-23 1600	ESAT	5-8-23 16.00	

 PN- 23050011

USEPA
WESTON/START
101 Billerica Ave
N Billerica, MA

CHAIN OF CUSTODY RECORD
Site #: S50134MA
Contact Name: Bonnie Mace
Contact Phone: 978-621-1213

No: 1-050823-095655-0002
Riverside Sq PCB
Lab: LSASD/OEME
Lab Phone: 617-918-8490

Lab #	Sample #	Location	Analyses	Matrix	Sample Date	Sample Time	Numb Cont	Container	Preservative	Lab QC
	S50134MA-0135	RB-02	PCBs	water	5/5/2023	11:30	2	1 L Amber	4 C	N
	S50134MA-0142	AS2331	PCBs	PE	5/5/2023	15:00	1	2 oz jar	4 C	N
	S50134MA-0143	AA-100	PCBs	Soil	5/5/2023	11:32	1	poly bag	4 C	N
	S50134MA-0144	C-050	PCBs	Soil	5/5/2023	09:25	1	poly bag	4 C	N
	S50134MA-0146	EE-125	PCBs	Soil	5/5/2023	12:20	1	poly bag	4 C	N

Special Instructions:

SAMPLES TRANSFERRED FROM
CHAIN OF CUSTODY #

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
	[illegible] Weston	5-8-23 1600	[illegible] ESAT	5-8-23 16:00	

US EPA REGION 1
SAMPLE RECEIPT CHECKLIST

PROJ #: 23050011	RECEIPT DATE: 5/8/2023
SURVEY NAME: RIVERSIDE SQUARE PCB LOCATION: BOSTON, MA	REC'D BY: Doris Guzman (ESAT)
OSC/PO: Tom Hatzopoulos (2-MO)	SITE ID: 01HG SUPERFUND: Y

WERE SAMPLES SHIPPED? N TRACKING #: _____ DATE/SENT: _____ NO. Hand Delivered	COMMENTS: Soil & Sediment samples 148 $FLFPCB 2 $PCBW
COOLER TEMPERATURE UPON ARRIVAL 3.8, 4.4, 3.2, 4.8 °C / NA	
CHAIN OF CUSTODY PRESENT? Y COMPLETE? Y	
CUSTODY SEALS PRESENT ON COOLER? N SAMPLES? N	
WERE SAMPLE CONTAINERS INTACT? Y	
WAS SAMPLE PRESERVATION DOCUMENTED? Y COC ✓ Sample Container	
APPROPRIATE SAMPLES VOLUME FOR REQUESTED ANALYSIS? Y	
SAMPLES AND COC MATCH? Y	
IF ANY PROBLEMS WAS PROJECT MANAGER NOTIFIED? BY WHOM? _____	
APPROPRIATE SAMPLE CONTAINERS? Y	
SAMPLES WITHIN HOLDING TIMES? Y	
ALL ANALYSIS SPECIFIED ON COC? Y	
DATE/TIME OF COLLECTION ON COC Y	
TURN-AROUND TIME: 4 WEEKS	

United States Environmental Protection Agency
Laboratory Services and Applied Science Division
11 Technology Drive
North Chelmsford, MA 01863-2431

Laboratory Report

June 28, 2023

Tom Hatzopoulos (2-MO)
US EPA New England R1

Project Number: 23050041
Project: Riverside Square PCB - Boston, MA
Analysis: PCBs Medium Level in Soils and Sediments
EPA Chemist: Phillip Gudgel

Date Samples Received by the Laboratory: 05/30/2023

Analytical Procedure:

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

Sample preparation and analysis was done following the EPA Region I SOP, LSBSOP-PESTSOIL6.

The SOP is based on EPA SW-846 Method 8082A

The analysis was performed using high resolution capillary column gas chromatography equipped with dual electron capture detectors. The 30 meter dual capillary column system consists of a J&W DB-5 and J&W DB-1701,

Data were reviewed in accordance with the internal verification procedures described in the EPA New England Quality Manual for NERL.

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 BOUDREAU

Digitally signed by DANIEL BOUDREAU
Date: 2023.06.28 17:38:24 -04'00'

23050041$PCBMS

Qualifiers:

RL = Reporting limit
ND = Not Detected above Reporting limit
NA = Not Applicable due to high sample dilutions or sample interferences
NC = Not calculated since analyte concentration is ND.
J = Estimated value
J1 = Estimated value due to MS recovery outside accceptance criteria
J2 = Estimated value due to LFB result outside acceptance criteria
J3 = Estimated value due to RPD result outside acceptance criteria
J4 = Estimated value due to LCS result outside acceptance criteria
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.
R = No recovery was calculated since the analyte concentration is greater than four times the spike level.
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.
A = Suspected Aldol condensation product.
N = Tentatively identified compound.

Riverside Square PCB - Boston, MA

PCBs Medium Level in Soils and Sediments

Client Sample ID:	S50134MA-0038	Lab Sample ID:	AC06509
Date of Collection:	5/04/2023	Matrix:	Soil
Date of Preparation:	6/07/2023	Amount Prepared:	N/A
Date of Analysis:	6/22/2023	Percent Solids:	81%
Dry Weight Prepared:	6.132 grams	Extract Dilution:	1
Wet Weight Prepared:	7.595 grams	pH:	N/A
Volume Extracted:	N/A	GPC Factor:	N/A
Final Volume:	5 mL		

CAS Number	Compound	Concentration mg/Kg	RL mg/Kg	Qualifier
12674-11-2	Aroclor-1016	ND	0.08	
11104-28-2	Aroclor-1221	ND	0.08	
11141-16-5	Aroclor-1232	ND	0.08	
53469-21-9	Aroclor-1242	ND	0.08	
12672-29-6	Aroclor-1248	ND	0.08	
11097-69-1	Aroclor-1254	ND	0.08	
11096-82-5	Aroclor-1260	ND	0.08	
37234-23-5	Aroclor-1262	ND	0.08	
11100-14-4	Aroclor-1268	ND	0.08	

Surrogate Compounds	Recoveries (%)	QC Ranges
2,4,5,6-Tetrachloro-m-xylene	86	49 - 109
Decachlorobiphenyl	110	32 - 113

Riverside Square PCB - Boston, MA

PCBs Medium Level in Soils and Sediments

Client Sample ID:	S50134MA-0058	Lab Sample ID:	AC06510
Date of Collection:	5/04/2023	Matrix:	Soil
Date of Preparation:	6/07/2023	Amount Prepared:	N/A
Date of Analysis:	6/22/2023	Percent Solids:	80%
Dry Weight Prepared:	7.021 grams	Extract Dilution:	1
Wet Weight Prepared:	8.731 grams	pH:	N/A
Volume Extracted:	N/A	GPC Factor:	N/A
Final Volume:	5 mL		

CAS Number	Compound	Concentration mg/Kg	RL mg/Kg	Qualifier
12674-11-2	Aroclor-1016	ND	0.07	
11104-28-2	Aroclor-1221	ND	0.07	
11141-16-5	Aroclor-1232	ND	0.07	
53469-21-9	Aroclor-1242	ND	0.07	
12672-29-6	Aroclor-1248	ND	0.07	
11097-69-1	Aroclor-1254	ND	0.07	
11096-82-5	Aroclor-1260	ND	0.07	
37234-23-5	Aroclor-1262	ND	0.07	
11100-14-4	Aroclor-1268	ND	0.07	

Surrogate Compounds	Recoveries (%)	QC Ranges
2,4,5,6-Tetrachloro-m-xylene	85	49 - 109
Decachlorobiphenyl	110	32 - 113

Riverside Square PCB - Boston, MA

PCBs Medium Level in Soils and Sediments

Client Sample ID:	S50134MA-0072	Lab Sample ID:	AC06511
Date of Collection:	5/04/2023	Matrix:	Soil
Date of Preparation:	6/07/2023	Amount Prepared:	N/A
Date of Analysis:	6/22/2023	Percent Solids:	70%
Dry Weight Prepared:	5.427 grams	Extract Dilution:	1
Wet Weight Prepared:	7.794 grams	pH:	N/A
Volume Extracted:	N/A	GPC Factor:	N/A
Final Volume:	5 mL		

CAS Number	Compound	Concentration mg/Kg	RL mg/Kg	Qualifier
12674-11-2	Aroclor-1016	ND	0.09	
11104-28-2	Aroclor-1221	ND	0.09	
11141-16-5	Aroclor-1232	ND	0.09	
53469-21-9	Aroclor-1242	ND	0.09	
12672-29-6	Aroclor-1248	ND	0.09	
11097-69-1	Aroclor-1254	ND	0.09	
11096-82-5	Aroclor-1260	ND	0.09	
37234-23-5	Aroclor-1262	ND	0.09	
11100-14-4	Aroclor-1268	ND	0.09	

Surrogate Compounds	Recoveries (%)	QC Ranges
2,4,5,6-Tetrachloro-m-xylene	86	49 - 109
Decachlorobiphenyl	104	32 - 113

Riverside Square PCB - Boston, MA

Laboratory Blank

Client Sample ID:	N/A	Lab Sample ID:	N/A
Date of Collection:	N/A	Matrix:	Soil
Date of Preparation:	6/06/2023	Amount Prepared:	N/A
Date of Analysis:	6/22/2023	Percent Solids:	100%
Dry Weight Prepared:	5.016 grams	Extract Dilution:	1
Wet Weight Prepared:	5.015 grams	pH:	N/A
Volume Extracted:	N/A	GPC Factor:	N/A
Final Volume:	5 mL		

CAS Number	Compound	Concentration mg/Kg	RL mg/Kg	Qualifier
12674-11-2	Aroclor-1016	ND	0.10	
11104-28-2	Aroclor-1221	ND	0.10	
11141-16-5	Aroclor-1232	ND	0.10	
53469-21-9	Aroclor-1242	ND	0.10	
12672-29-6	Aroclor-1248	ND	0.10	
11097-69-1	Aroclor-1254	ND	0.10	
11096-82-5	Aroclor-1260	ND	0.10	
37234-23-5	Aroclor-1262	ND	0.10	
11100-14-4	Aroclor-1268	ND	0.10	

Surrogate Compounds	Recoveries (%)	QC Ranges
2,4,5,6-Tetrachloro-m-xylene	81	49 - 109
Decachlorobiphenyl	103	32 - 113

Riverside Square PCB - Boston, MA

PCBs Medium Level in Soils and Sediments

Client Sample ID:	S50134MA-0089	Lab Sample ID:	AC06512
Date of Collection:	5/04/2023	Matrix:	Soil
Date of Preparation:	6/07/2023	Amount Prepared:	N/A
Date of Analysis:	6/23/2023	Percent Solids:	72%
Dry Weight Prepared:	5.910 grams	Extract Dilution:	1
Wet Weight Prepared:	8.217 grams	pH:	N/A
Volume Extracted:	N/A	GPC Factor:	N/A
Final Volume:	5 mL		

CAS Number	Compound	Concentration mg/Kg	RL mg/Kg	Qualifier
12674-11-2	Aroclor-1016	ND	0.09	
11104-28-2	Aroclor-1221	ND	0.09	
11141-16-5	Aroclor-1232	ND	0.09	
53469-21-9	Aroclor-1242	ND	0.09	
12672-29-6	Aroclor-1248	ND	0.09	
11097-69-1	Aroclor-1254	**0.34**	0.09	
11096-82-5	Aroclor-1260	ND	0.09	
37234-23-5	Aroclor-1262	ND	0.09	
11100-14-4	Aroclor-1268	ND	0.09	

Surrogate Compounds	Recoveries (%)	QC Ranges
2,4,5,6-Tetrachloro-m-xylene	85	49 - 109
Decachlorobiphenyl	114	32 - 113

Comments: Surrogate recovery for DCB was above QC limits. Recovery for TCX was acceptable.

Riverside Square PCB - Boston, MA

PCBs Medium Level in Soils and Sediments

Client Sample ID:	S50134MA-0105	Lab Sample ID:	AC06513
Date of Collection:	5/04/2023	Matrix:	Soil
Date of Preparation:	6/07/2023	Amount Prepared:	N/A
Date of Analysis:	6/23/2023	Percent Solids:	53%
Dry Weight Prepared:	3.302 grams	Extract Dilution:	4
Wet Weight Prepared:	6.242 grams	pH:	N/A
Volume Extracted:	N/A	GPC Factor:	N/A
Final Volume:	5 mL		

CAS Number	Compound	Concentration mg/Kg	RL mg/Kg	Qualifier
12674-11-2	Aroclor-1016	ND	0.61	
11104-28-2	Aroclor-1221	ND	0.61	
11141-16-5	Aroclor-1232	ND	0.61	
53469-21-9	Aroclor-1242	ND	0.61	
12672-29-6	Aroclor-1248	**6.0**	0.61	
11097-69-1	Aroclor-1254	**3.1**	0.61	
11096-82-5	Aroclor-1260	ND	0.61	
37234-23-5	Aroclor-1262	ND	0.61	
11100-14-4	Aroclor-1268	ND	0.61	

Surrogate Compounds	Recoveries (%)	QC Ranges
2,4,5,6-Tetrachloro-m-xylene	75	49 - 109
Decachlorobiphenyl	102	32 - 113

Riverside Square PCB - Boston, MA

PCBs Medium Level in Soils and Sediments

Client Sample ID:	S50134MA-0115	Lab Sample ID:	AC06514
Date of Collection:	5/04/2023	Matrix:	Soil
Date of Preparation:	6/07/2023	Amount Prepared:	N/A
Date of Analysis:	6/23/2023	Percent Solids:	67%
Dry Weight Prepared:	5.254 grams	Extract Dilution:	1
Wet Weight Prepared:	7.790 grams	pH:	N/A
Volume Extracted:	N/A	GPC Factor:	N/A
Final Volume:	5 mL		

CAS Number	Compound	Concentration mg/Kg	RL mg/Kg	Qualifier
12674-11-2	Aroclor-1016	ND	0.10	
11104-28-2	Aroclor-1221	ND	0.10	
11141-16-5	Aroclor-1232	ND	0.10	
53469-21-9	Aroclor-1242	ND	0.10	
12672-29-6	Aroclor-1248	ND	0.10	
11097-69-1	Aroclor-1254	**0.26**	0.10	
11096-82-5	Aroclor-1260	ND	0.10	
37234-23-5	Aroclor-1262	ND	0.10	
11100-14-4	Aroclor-1268	ND	0.10	

Surrogate Compounds	Recoveries (%)	QC Ranges
2,4,5,6-Tetrachloro-m-xylene	81	49 - 109
Decachlorobiphenyl	110	32 - 113

Riverside Square PCB - Boston, MA

PCBs Medium Level in Soils and Sediments

Client Sample ID:	S50134MA-0137	Lab Sample ID:	AC06515
Date of Collection:	5/04/2023	Matrix:	Soil
Date of Preparation:	6/07/2023	Amount Prepared:	N/A
Date of Analysis:	6/23/2023	Percent Solids:	61%
Dry Weight Prepared:	8.362 grams	Extract Dilution:	15
Wet Weight Prepared:	13.701 grams	pH:	N/A
Volume Extracted:	N/A	GPC Factor:	N/A
Final Volume:	5 mL		

CAS Number	Compound	Concentration mg/Kg	RL mg/Kg	Qualifier
12674-11-2	Aroclor-1016	ND	0.90	
11104-28-2	Aroclor-1221	ND	0.90	
11141-16-5	Aroclor-1232	ND	0.90	
53469-21-9	Aroclor-1242	ND	0.90	
12672-29-6	Aroclor-1248	ND	0.90	
11097-69-1	Aroclor-1254	**5.7**	0.90	
11096-82-5	Aroclor-1260	ND	0.90	
37234-23-5	Aroclor-1262	ND	0.90	
11100-14-4	Aroclor-1268	ND	0.90	

Surrogate Compounds	Recoveries (%)	QC Ranges
2,4,5,6-Tetrachloro-m-xylene	NA	49 - 109
Decachlorobiphenyl	NA	32 - 113

Comments: Surrogates not reported due to sample dilution. Sample was determined ND for 1248; possibly technical chlordane

Riverside Square PCB - Boston, MA

PCBs Medium Level in Soils and Sediments

Client Sample ID:	S50134MA-0140	Lab Sample ID:	AC06516
Date of Collection:	5/04/2023	Matrix:	Soil
Date of Preparation:	6/07/2023	Amount Prepared:	N/A
Date of Analysis:	6/23/2023	Percent Solids:	60%
Dry Weight Prepared:	6.083 grams	Extract Dilution:	30
Wet Weight Prepared:	10.181 grams	pH:	N/A
Volume Extracted:	N/A	GPC Factor:	N/A
Final Volume:	5 mL		

CAS Number	Compound	Concentration mg/Kg	RL mg/Kg	Qualifier
12674-11-2	Aroclor-1016	ND	2.5	
11104-28-2	Aroclor-1221	ND	2.5	
11141-16-5	Aroclor-1232	ND	2.5	
53469-21-9	Aroclor-1242	ND	2.5	
12672-29-6	Aroclor-1248	ND	2.5	
11097-69-1	Aroclor-1254	**12**	2.5	
11096-82-5	Aroclor-1260	**6.4**	2.5	
37234-23-5	Aroclor-1262	ND	2.5	
11100-14-4	Aroclor-1268	ND	2.5	

Surrogate Compounds	Recoveries (%)	QC Ranges
2,4,5,6-Tetrachloro-m-xylene	NA	49 - 109
Decachlorobiphenyl	NA	32 - 113

Comments: Surrogates not reported due to sample dilution. Sample was determined ND for 1248; possibly technical chlordane

Riverside Square PCB - Boston, MA

PCBs Medium Level in Soils and Sediments

Client Sample ID:	S50134MA-0006	Lab Sample ID:	AC06517
Date of Collection:	5/04/2023	Matrix:	Soil
Date of Preparation:	6/07/2023	Amount Prepared:	N/A
Date of Analysis:	6/23/2023	Percent Solids:	83%
Dry Weight Prepared:	7.448 grams	Extract Dilution:	40
Wet Weight Prepared:	9.023 grams	pH:	N/A
Volume Extracted:	N/A	GPC Factor:	N/A
Final Volume:	5 mL		

CAS Number	Compound	Concentration mg/Kg	RL mg/Kg	Qualifier
12674-11-2	Aroclor-1016	ND	2.7	
11104-28-2	Aroclor-1221	ND	2.7	
11141-16-5	Aroclor-1232	ND	2.7	
53469-21-9	Aroclor-1242	ND	2.7	
12672-29-6	Aroclor-1248	**4.0**	2.7	
11097-69-1	Aroclor-1254	ND	2.7	
11096-82-5	Aroclor-1260	ND	2.7	
37234-23-5	Aroclor-1262	ND	2.7	
11100-14-4	Aroclor-1268	ND	2.7	

Surrogate Compounds	Recoveries (%)	QC Ranges
2,4,5,6-Tetrachloro-m-xylene	NA	49 - 109
Decachlorobiphenyl	NA	32 - 113

Comments: Surrogates not reported due to sample dilution

Riverside Square PCB - Boston, MA

PCBs Medium Level in Soils and Sediments

Client Sample ID:	S50134MA-0018	Lab Sample ID:	AC06518
Date of Collection:	5/05/2023	Matrix:	Soil
Date of Preparation:	6/07/2023	Amount Prepared:	N/A
Date of Analysis:	6/23/2023	Percent Solids:	81%
Dry Weight Prepared:	10.199 grams	Extract Dilution:	4
Wet Weight Prepared:	12.563 grams	pH:	N/A
Volume Extracted:	N/A	GPC Factor:	N/A
Final Volume:	5 mL		

CAS Number	Compound	Concentration mg/Kg	RL mg/Kg	Qualifier
12674-11-2	Aroclor-1016	ND	0.20	
11104-28-2	Aroclor-1221	ND	0.20	
11141-16-5	Aroclor-1232	ND	0.20	
53469-21-9	Aroclor-1242	ND	0.20	
12672-29-6	Aroclor-1248	**4.3**	0.20	
11097-69-1	Aroclor-1254	ND	0.20	
11096-82-5	Aroclor-1260	ND	0.20	
37234-23-5	Aroclor-1262	ND	0.20	
11100-14-4	Aroclor-1268	ND	0.20	

Surrogate Compounds	Recoveries (%)	QC Ranges
2,4,5,6-Tetrachloro-m-xylene	79	49 - 109
Decachlorobiphenyl	118	32 - 113

Comments: Surrogate recovery for DCB was above QC limits. Recovery for TCX was acceptable

Riverside Square PCB - Boston, MA

PCBs Medium Level in Soils and Sediments

Client Sample ID:	S50134MA-0032	Lab Sample ID:	AC06519
Date of Collection:	5/05/2023	Matrix:	Soil
Date of Preparation:	6/07/2023	Amount Prepared:	N/A
Date of Analysis:	6/23/2023	Percent Solids:	73%
Dry Weight Prepared:	5.366 grams	Extract Dilution:	6
Wet Weight Prepared:	7.400 grams	pH:	N/A
Volume Extracted:	N/A	GPC Factor:	N/A
Final Volume:	5 mL		

CAS Number	Compound	Concentration mg/Kg	RL mg/Kg	Qualifier
12674-11-2	Aroclor-1016	ND	0.56	
11104-28-2	Aroclor-1221	ND	0.56	
11141-16-5	Aroclor-1232	ND	0.56	
53469-21-9	Aroclor-1242	ND	0.56	
12672-29-6	Aroclor-1248	ND	0.56	
11097-69-1	Aroclor-1254	**1.7**	0.56	
11096-82-5	Aroclor-1260	ND	0.56	
37234-23-5	Aroclor-1262	ND	0.56	
11100-14-4	Aroclor-1268	ND	0.56	

Surrogate Compounds	Recoveries (%)	QC Ranges
2,4,5,6-Tetrachloro-m-xylene	81	49 - 109
Decachlorobiphenyl	119	32 - 113

Comments: Surrogate recovery for DCB was above QC limits. Recovery for TCX was acceptable

Riverside Square PCB - Boston, MA

PCBs Medium Level in Soils and Sediments

Client Sample ID:	S50134MA-0075	Lab Sample ID:	AC06520
Date of Collection:	5/05/2023	Matrix:	Soil
Date of Preparation:	6/07/2023	Amount Prepared:	N/A
Date of Analysis:	6/23/2023	Percent Solids:	77%
Dry Weight Prepared:	5.655 grams	Extract Dilution:	1
Wet Weight Prepared:	7.359 grams	pH:	N/A
Volume Extracted:	N/A	GPC Factor:	N/A
Final Volume:	5 mL		

CAS Number	Compound	Concentration mg/Kg	RL mg/Kg	Qualifier
12674-11-2	Aroclor-1016	ND	0.09	
11104-28-2	Aroclor-1221	ND	0.09	
11141-16-5	Aroclor-1232	ND	0.09	
53469-21-9	Aroclor-1242	ND	0.09	
12672-29-6	Aroclor-1248	ND	0.09	
11097-69-1	Aroclor-1254	ND	0.09	
11096-82-5	Aroclor-1260	ND	0.09	
37234-23-5	Aroclor-1262	ND	0.09	
11100-14-4	Aroclor-1268	ND	0.09	

Surrogate Compounds	Recoveries (%)	QC Ranges
2,4,5,6-Tetrachloro-m-xylene	81	49 - 109
Decachlorobiphenyl	118	32 - 113

Comments: Surrogate recovery for DCB was above QC limits. Recovery for TCX was acceptable

Riverside Square PCB - Boston, MA

PCBs Medium Level in Soils and Sediments

Client Sample ID:	S50134MA-0122	Lab Sample ID:	AC06521
Date of Collection:	5/05/2023	Matrix:	Soil
Date of Preparation:	6/07/2023	Amount Prepared:	N/A
Date of Analysis:	6/23/2023	Percent Solids:	85%
Dry Weight Prepared:	6.992 grams	Extract Dilution:	3
Wet Weight Prepared:	8.254 grams	pH:	N/A
Volume Extracted:	N/A	GPC Factor:	N/A
Final Volume:	5 mL		

CAS Number	Compound	Concentration mg/Kg	RL mg/Kg	Qualifier
12674-11-2	Aroclor-1016	ND	0.22	
11104-28-2	Aroclor-1221	ND	0.22	
11141-16-5	Aroclor-1232	ND	0.22	
53469-21-9	Aroclor-1242	ND	0.22	
12672-29-6	Aroclor-1248	**2.2**	0.22	
11097-69-1	Aroclor-1254	**1.9**	0.22	
11096-82-5	Aroclor-1260	ND	0.22	
37234-23-5	Aroclor-1262	ND	0.22	
11100-14-4	Aroclor-1268	ND	0.22	

Surrogate Compounds	Recoveries (%)	QC Ranges
2,4,5,6-Tetrachloro-m-xylene	80	49 - 109
Decachlorobiphenyl	114	32 - 113

Comments: Surrogate recovery for DCB was above QC limits. Recovery for TCX was acceptable

Riverside Square PCB - Boston, MA

PCBs Medium Level in Soils and Sediments

Client Sample ID:	S50134MA-0143	Lab Sample ID:	AC06522
Date of Collection:	5/05/2023	Matrix:	Soil
Date of Preparation:	6/07/2023	Amount Prepared:	N/A
Date of Analysis:	6/23/2023	Percent Solids:	77%
Dry Weight Prepared:	6.672 grams	Extract Dilution:	1
Wet Weight Prepared:	8.712 grams	pH:	N/A
Volume Extracted:	N/A	GPC Factor:	N/A
Final Volume:	5 mL		

CAS Number	Compound	Concentration mg/Kg	RL mg/Kg	Qualifier
12674-11-2	Aroclor-1016	ND	0.08	
11104-28-2	Aroclor-1221	ND	0.08	
11141-16-5	Aroclor-1232	ND	0.08	
53469-21-9	Aroclor-1242	ND	0.08	
12672-29-6	Aroclor-1248	ND	0.08	
11097-69-1	Aroclor-1254	**0.10**	0.08	
11096-82-5	Aroclor-1260	ND	0.08	
37234-23-5	Aroclor-1262	ND	0.08	
11100-14-4	Aroclor-1268	ND	0.08	

Surrogate Compounds	Recoveries (%)	QC Ranges
2,4,5,6-Tetrachloro-m-xylene	85	49 - 109
Decachlorobiphenyl	125	32 - 113

Comments: Surrogate recovery for DCB was above QC limits. Recovery for TCX was acceptable

Riverside Square PCB - Boston, MA

PCBs Medium Level in Soils and Sediments

Client Sample ID:	S50134MA-0146	Lab Sample ID:	AC06523
Date of Collection:	5/05/2023	Matrix:	Soil
Date of Preparation:	6/07/2023	Amount Prepared:	N/A
Date of Analysis:	6/23/2023	Percent Solids:	73%
Dry Weight Prepared:	6.360 grams	Extract Dilution:	1
Wet Weight Prepared:	8.673 grams	pH:	N/A
Volume Extracted:	N/A	GPC Factor:	N/A
Final Volume:	5 mL		

CAS Number	Compound	Concentration mg/Kg	RL mg/Kg	Qualifier
12674-11-2	Aroclor-1016	ND	0.08	
11104-28-2	Aroclor-1221	ND	0.08	
11141-16-5	Aroclor-1232	ND	0.08	
53469-21-9	Aroclor-1242	ND	0.08	
12672-29-6	Aroclor-1248	ND	0.08	
11097-69-1	Aroclor-1254	ND	0.08	
11096-82-5	Aroclor-1260	ND	0.08	
37234-23-5	Aroclor-1262	ND	0.08	
11100-14-4	Aroclor-1268	ND	0.08	

Surrogate Compounds	Recoveries (%)	QC Ranges
2,4,5,6-Tetrachloro-m-xylene	83	49 - 109
Decachlorobiphenyl	114	32 - 113

Comments: Surrogate recovery for DCB was above QC limits. Recovery for TCX was acceptable

Riverside Square PCB - Boston, MA

MATRIX SPIKE (MS) RECOVERY

Sample ID: AC06511

PARAMETER	SPIKE ADDED mg/Kg	SAMPLE CONCENTRATION mg/Kg	MS CONCENTRATION mg/Kg	MS % REC	QC LIMITS (% REC)
Aroclor-1016	0.786	ND	0.793	101	39 - 142
Aroclor-1260	0.786	ND	0.836	106	43 - 152

Riverside Square PCB - Boston, MA

MATRIX SPIKE DUPLICATE (MSD) RECOVERY

Sample ID:AC06511

PARAMETER	MSD SPIKE ADDED	MSD CONCENTRATION mg/Kg	MSD % REC	RPD %	QC LIMITS RPD
Aroclor-1016	0.841	0.748	89	12.59	50
Aroclor-1260	0.841	0.741	88	18.77	50

Riverside Square PCB - Boston, MA

Laboratory Duplicate Results

Sample ID: AC06511

PARAMETER	SAMPLE RESULT mg/Kg	SAMPLE DUPLICATE RESULT mg/Kg	PRECISION RPD %	QC LIMITS
Aroclor-1016	ND	ND	NC	50
Aroclor-1221	ND	ND	NC	50
Aroclor-1232	ND	ND	NC	50
Aroclor-1242	ND	ND	NC	50
Aroclor-1248	ND	ND	NC	50
Aroclor-1254	ND	ND	NC	50
Aroclor-1260	ND	ND	NC	50
Aroclor-1262	ND	ND	NC	50
Aroclor-1268	ND	ND	NC	50

Riverside Square PCB - Boston, MA

Laboratory Fortified Blank (LFB) Results

PARAMETER	LFB AMOUNT SPIKED mg/Kg	LFB RESULT mg/Kg	LFB RECOVERY %	QC LIMITS %
Aroclor-1016	0.797	0.722	91	74 - 123
Aroclor-1260	0.797	0.806	101	77 - 133

Comments:

Samples in Batch: AC06509, AC06510, AC06511, AC06512, AC06513, AC06514, AC06515, AC06516, AC06517, AC06518, AC06519, AC06520, AC06521, AC06522, AC06523

ENVIRONMENTAL PROTECTION AGENCY

REGION 1

CHAIN OF CUSTODY RECORD

PROJ. NO.	PROJECT NAME
23050041	Riverside Square PCB

SAMPLERS: (Signature)
WESTON SOLUTIONS

STA. NO.	DATE	TIME	COMP.	GRAB	STATION LOCATION	NO. OF CONTAINERS	PCBs						REMARKS
													From PN. 23050011 Sample:
C-650B	5/4/23	10:30		X	S50134MA-0038	1	X						AC05706
D-575B	5/4/23	11:00		X	S50134MA-0058	1	X						AC05718
D-775B	5/4/23	10:55		X	S50134MA-0072	1	X						AC05732
E-675 A	5/4/23	11:35		X	S50134MA-0089	1	X						AC05740
EF-775A	5/4/23	14:37		X	S50134MA-0105	1	X						AC05752
F-700A	5/4/23	12:10		X	S50134MA-0115	1	X						AC05761
W-001B	5/4/23	14:43		X	S50134MA-0137	1	X						AC05779
W-004A	5/4/23	14:45		X	S50134MA-0140	1	X						AC05782
A-125A	5/4/23	10:35		X	S50134MA-0006	1	X						AC05794
B-150B	5/5/23	10:52		X	S50134MA-0018	1	X						AC05806
C-200A	5/5/23	10:55		X	S50134MA-0032	1	X						AC05820
DD-075A	5/5/23	11:45		X	S50134MA-0075	1	X						AC05831
FF-075A	5/5/23	12:05		X	S50134MA-0122	1	X						AC05843
AA-100D	5/5/23	11:32		X	S50134MA-0143	1	X						AC05848
EE-125D	5/5/23	12:20		X	S50134MA-0146	1	X						AC05850

Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
[signature]	5/30/23 13:12				
Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
Relinquished by: (Signature)	Date / Time	Received for Laboratory by: (Signature) ESAT	Date / Time	Remarks	
		[signature]	5-30-23 13:12		

Distribution: Original Accompanies Shipment; Copy to Coordinator Field Files

US EPA REGION 1
SAMPLE RECEIPT CHECKLIST

PROJ #: 23050041	RECEIPT DATE: 5/30/2023
SURVEY NAME: RIVERSIDE SQUARE PCB LOCATION: BOSTON, MA	REC'D BY: Doris Guzman (ESAT)
OSC/PO: Tom Hatzopoulos (2-MO)	SITE ID: 01HG SUPERFUND: Y

WERE SAMPLES SHIPPED? N TRACKING #: _____ DATE/SENT: _____ NO, IN-HOUSE	COMMENTS: Soil samples for confirmatory analysis. From old PN 23050011 15 $PCBMS
COOLER TEMPERATURE UPON ARRIVAL 4.0 °C / NA	
CHAIN OF CUSTODY PRESENT? Y COMPLETE? Y	
CUSTODY SEALS PRESENT ON COOLER? N SAMPLES? N	
WERE SAMPLE CONTAINERS INTACT? Y	
WAS SAMPLE PRESERVATION DOCUMENTED? N COC Sample Container	
APPROPRIATE SAMPLES VOLUME FOR REQUESTED ANALYSIS? Y	
SAMPLES AND COC MATCH? Y	
IF ANY PROBLEMS WAS PROJECT MANAGER NOTIFIED? BY WHOM? _____	
APPROPRIATE SAMPLE CONTAINERS? Y	
SAMPLES WITHIN HOLDING TIMES? Y	
ALL ANALYSIS SPECIFIED ON COC? Y	
DATE/TIME OF COLLECTION ON COC Y	
TURN-AROUND TIME: 4 WEEKS	

United States Environmental Protection Agency
Laboratory Services and Applied Science Division
11 Technology Drive
North Chelmsford, MA 01863-2431

Laboratory Report

August 07, 2023

Tom Hatzopoulos (2-MO)
US EPA New England R1

Project Number: 23070043
Project: Riverside Square PCB - Boston, MA
Analysis: PCB's in Soil Field Method (Fixed Lab)
EPA Chemist: Phillip Gudgel

Date Samples Received by the Laboratory: 07/31/2023

Analytical Procedure:

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

Sample preparation and analysis was done following the EPA Region I SOP, LSBSOP-FLDPCB4.

Concentrations of PCBs in soil were calculated using an external standard technique.

Analysis for PCB's performed by this field analytical technique is used for tentative identification and semi-quantitation of PCB's in soil, oil, and sediment samples.

Soil PCB results are based on sample wet weight.

Data were reviewed in accordance with the internal verification procedures described in the EPA New England Quality Manual for NERL.

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 BOUDREAU

Digitally signed by DANIEL BOUDREAU
Date: 2023.08.07 14:16:46 -04'00'

23070043$FLFPCB

Qualifiers:

RL = Reporting limit
ND = Not Detected above Reporting limit
NA = Not Applicable due to high sample dilutions or sample interferences
NC = Not calculated since analyte concentration is ND.
J = Estimated value
J1 = Estimated value due to MS recovery outside accceptance criteria
J2 = Estimated value due to LFB result outside acceptance criteria
J3 = Estimated value due to RPD result outside acceptance criteria
J4 = Estimated value due to LCS result outside acceptance criteria
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.
R = No recovery was calculated since the analyte concentration is greater than four times the spike level.
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.
A = Suspected Aldol condensation product.
N = Tentatively identified compound.
ANR = Analysis not required.

Riverside Square PCB - Boston, MA

PCB's in Soil Field Method (Fixed Lab)

Client Sample ID:	S50134MA-0431	Lab Sample ID:	AC07786
Date of Collection:	7/25/2023	Matrix:	Soil
Date of Preparation:	8/01/2023	Amount Prepared:	N/A
Date of Analysis:	8/02/2023	Percent Solids:	N/A
Dry Weight Prepared:	N/A	Extract Dilution:	1
Wet Weight Prepared:	2.04 grams	pH:	N/A
Volume Extracted:	N/A	GPC Factor:	N/A
Final 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	

Riverside Square PCB - Boston, MA

PCB's in Soil Field Method (Fixed Lab)

Client Sample ID:	S50134MA-0410	Lab Sample ID:	AC07787
Date of Collection:	7/25/2023	Matrix:	Soil
Date of Preparation:	8/01/2023	Amount Prepared:	N/A
Date of Analysis:	8/02/2023	Percent Solids:	N/A
Dry Weight Prepared:	N/A	Extract Dilution:	1
Wet Weight Prepared:	1.74 grams	pH:	N/A
Volume Extracted:	N/A	GPC Factor:	N/A
Final 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	

Riverside Square PCB - Boston, MA

PCB's in Soil Field Method (Fixed Lab)

Client Sample ID:	S50134MA-0412	Lab Sample ID:	AC07788
Date of Collection:	7/25/2023	Matrix:	Soil
Date of Preparation:	8/01/2023	Amount Prepared:	N/A
Date of Analysis:	8/02/2023	Percent Solids:	N/A
Dry Weight Prepared:	N/A	Extract Dilution:	1
Wet Weight Prepared:	2.16 grams	pH:	N/A
Volume Extracted:	N/A	GPC Factor:	N/A
Final 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	

Riverside Square PCB - Boston, MA

Laboratory Blank

Client Sample ID:	N/A	Lab Sample ID:	N/A
Date of Collection:	N/A	Matrix:	Soil
Date of Preparation:	8/01/2023	Amount Prepared:	N/A
Date of Analysis:	8/02/2023	Percent Solids:	N/A
Dry Weight Prepared:	2.14 grams	Extract Dilution:	1
Wet Weight Prepared:	N/A	pH:	N/A
Volume Extracted:	N/A	GPC Factor:	N/A
Final 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	

Riverside Square PCB - Boston, MA

PCB's in Soil Field Method (Fixed Lab)

Client Sample ID:	S50134MA-0374	Lab Sample ID:	AC07789
Date of Collection:	7/24/2023	Matrix:	Soil
Date of Preparation:	8/01/2023	Amount Prepared:	N/A
Date of Analysis:	8/02/2023	Percent Solids:	N/A
Dry Weight Prepared:	N/A	Extract Dilution:	1
Wet Weight Prepared:	1.83 grams	pH:	N/A
Volume Extracted:	N/A	GPC Factor:	N/A
Final 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	

Riverside Square PCB - Boston, MA

PCB's in Soil Field Method (Fixed Lab)

Client Sample ID:	S50134MA-0340	Lab Sample ID:	AC07790
Date of Collection:	7/24/2023	Matrix:	Soil
Date of Preparation:	8/01/2023	Amount Prepared:	N/A
Date of Analysis:	8/02/2023	Percent Solids:	N/A
Dry Weight Prepared:	N/A	Extract Dilution:	1
Wet Weight Prepared:	1.47 grams	pH:	N/A
Volume Extracted:	N/A	GPC Factor:	N/A
Final 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	

Riverside Square PCB - Boston, MA

PCB's in Soil Field Method (Fixed Lab)

Client Sample ID:	S50134MA-0380	Lab Sample ID:	AC07791
Date of Collection:	7/25/2023	Matrix:	Soil
Date of Preparation:	8/01/2023	Amount Prepared:	N/A
Date of Analysis:	8/02/2023	Percent Solids:	N/A
Dry Weight Prepared:	N/A	Extract Dilution:	1
Wet Weight Prepared:	1.87 grams	pH:	N/A
Volume Extracted:	N/A	GPC Factor:	N/A
Final 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	

Riverside Square PCB - Boston, MA

PCB's in Soil Field Method (Fixed Lab)

Client Sample ID:	S50134MA-0383	Lab Sample ID:	AC07792
Date of Collection:	7/25/2023	Matrix:	Soil
Date of Preparation:	8/01/2023	Amount Prepared:	N/A
Date of Analysis:	8/02/2023	Percent Solids:	N/A
Dry Weight Prepared:	N/A	Extract Dilution:	1
Wet Weight Prepared:	1.76 grams	pH:	N/A
Volume Extracted:	N/A	GPC Factor:	N/A
Final 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	

Riverside Square PCB - Boston, MA

PCB's in Soil Field Method (Fixed Lab)

Client Sample ID:	S50134MA-0377	Lab Sample ID:	AC07793
Date of Collection:	7/25/2023	Matrix:	Soil
Date of Preparation:	8/01/2023	Amount Prepared:	N/A
Date of Analysis:	8/02/2023	Percent Solids:	N/A
Dry Weight Prepared:	N/A	Extract Dilution:	1
Wet Weight Prepared:	2.07 grams	pH:	N/A
Volume Extracted:	N/A	GPC Factor:	N/A
Final 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	

Riverside Square PCB - Boston, MA

PCB's in Soil Field Method (Fixed Lab)

Client Sample ID:	S50134MA-0378	Lab Sample ID:	AC07794
Date of Collection:	7/25/2023	Matrix:	Soil
Date of Preparation:	8/01/2023	Amount Prepared:	N/A
Date of Analysis:	8/02/2023	Percent Solids:	N/A
Dry Weight Prepared:	N/A	Extract Dilution:	1
Wet Weight Prepared:	1.77 grams	pH:	N/A
Volume Extracted:	N/A	GPC Factor:	N/A
Final 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	

Riverside Square PCB - Boston, MA

PCB's in Soil Field Method (Fixed Lab)

Client Sample ID:	S50134MA-0436	Lab Sample ID:	AC07795
Date of Collection:	7/25/2023	Matrix:	Soil
Date of Preparation:	8/01/2023	Amount Prepared:	N/A
Date of Analysis:	8/02/2023	Percent Solids:	N/A
Dry Weight Prepared:	N/A	Extract Dilution:	1
Wet Weight Prepared:	2.07 grams	pH:	N/A
Volume Extracted:	N/A	GPC Factor:	N/A
Final 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	**0.20**	0.20	
11097-69-1	Aroclor-1254	**0.23**	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	

Riverside Square PCB - Boston, MA

PCB's in Soil Field Method (Fixed Lab)

Client Sample ID:	S50134MA-0353	Lab Sample ID:	AC07796
Date of Collection:	7/24/2023	Matrix:	Soil
Date of Preparation:	8/01/2023	Amount Prepared:	N/A
Date of Analysis:	8/02/2023	Percent Solids:	N/A
Dry Weight Prepared:	N/A	Extract Dilution:	1
Wet Weight Prepared:	1.72 grams	pH:	N/A
Volume Extracted:	N/A	GPC Factor:	N/A
Final 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	

Riverside Square PCB - Boston, MA

PCB's in Soil Field Method (Fixed Lab)

Client Sample ID:	S50134MA-0365	Lab Sample ID:	AC07797
Date of Collection:	7/24/2023	Matrix:	Soil
Date of Preparation:	8/01/2023	Amount Prepared:	N/A
Date of Analysis:	8/02/2023	Percent Solids:	N/A
Dry Weight Prepared:	N/A	Extract Dilution:	1
Wet Weight Prepared:	1.89 grams	pH:	N/A
Volume Extracted:	N/A	GPC Factor:	N/A
Final 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	

Riverside Square PCB - Boston, MA

PCB's in Soil Field Method (Fixed Lab)

Client Sample ID:	S50134MA-0349	Lab Sample ID:	AC07798
Date of Collection:	7/24/2023	Matrix:	Soil
Date of Preparation:	8/01/2023	Amount Prepared:	N/A
Date of Analysis:	8/02/2023	Percent Solids:	N/A
Dry Weight Prepared:	N/A	Extract Dilution:	1
Wet Weight Prepared:	1.87 grams	pH:	N/A
Volume Extracted:	N/A	GPC Factor:	N/A
Final 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	

Riverside Square PCB - Boston, MA

PCB's in Soil Field Method (Fixed Lab)

Client Sample ID:	S50134MA-0372	Lab Sample ID:	AC07799
Date of Collection:	7/24/2023	Matrix:	Soil
Date of Preparation:	8/01/2023	Amount Prepared:	N/A
Date of Analysis:	8/02/2023	Percent Solids:	N/A
Dry Weight Prepared:	N/A	Extract Dilution:	1
Wet Weight Prepared:	1.64 grams	pH:	N/A
Volume Extracted:	N/A	GPC Factor:	N/A
Final 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	

Riverside Square PCB - Boston, MA

PCB's in Soil Field Method (Fixed Lab)

Client Sample ID:	S50134MA-0332	Lab Sample ID:	AC07800
Date of Collection:	7/24/2023	Matrix:	Soil
Date of Preparation:	8/01/2023	Amount Prepared:	N/A
Date of Analysis:	8/02/2023	Percent Solids:	N/A
Dry Weight Prepared:	N/A	Extract Dilution:	1
Wet Weight Prepared:	1.37 grams	pH:	N/A
Volume Extracted:	N/A	GPC Factor:	N/A
Final 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	

Riverside Square PCB - Boston, MA

PCB's in Soil Field Method (Fixed Lab)

Client Sample ID:	S50134MA-0386	Lab Sample ID:	AC07801
Date of Collection:	7/25/2023	Matrix:	Soil
Date of Preparation:	8/01/2023	Amount Prepared:	N/A
Date of Analysis:	8/02/2023	Percent Solids:	N/A
Dry Weight Prepared:	N/A	Extract Dilution:	1
Wet Weight Prepared:	1.84 grams	pH:	N/A
Volume Extracted:	N/A	GPC Factor:	N/A
Final 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	**0.38**	0.20	
11097-69-1	Aroclor-1254	**0.56**	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	

Riverside Square PCB - Boston, MA

PCB's in Soil Field Method (Fixed Lab)

Client Sample ID:	S50134MA-0425	Lab Sample ID:	AC07802
Date of Collection:	7/25/2023	Matrix:	Soil
Date of Preparation:	8/01/2023	Amount Prepared:	N/A
Date of Analysis:	8/02/2023	Percent Solids:	N/A
Dry Weight Prepared:	N/A	Extract Dilution:	1
Wet Weight Prepared:	1.96 grams	pH:	N/A
Volume Extracted:	N/A	GPC Factor:	N/A
Final 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	**0.44**	0.20	
11097-69-1	Aroclor-1254	**0.42**	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	

Riverside Square PCB - Boston, MA

PCB's in Soil Field Method (Fixed Lab)

Client Sample ID:	S50134MA-0397	Lab Sample ID:	AC07803
Date of Collection:	7/25/2023	Matrix:	Soil
Date of Preparation:	8/01/2023	Amount Prepared:	N/A
Date of Analysis:	8/02/2023	Percent Solids:	N/A
Dry Weight Prepared:	N/A	Extract Dilution:	1
Wet Weight Prepared:	2.07 grams	pH:	N/A
Volume Extracted:	N/A	GPC Factor:	N/A
Final 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	

Riverside Square PCB - Boston, MA

PCB's in Soil Field Method (Fixed Lab)

Client Sample ID:	S50134MA-0399	Lab Sample ID:	AC07804
Date of Collection:	7/25/2023	Matrix:	Soil
Date of Preparation:	8/01/2023	Amount Prepared:	N/A
Date of Analysis:	8/02/2023	Percent Solids:	N/A
Dry Weight Prepared:	N/A	Extract Dilution:	1
Wet Weight Prepared:	1.96 grams	pH:	N/A
Volume Extracted:	N/A	GPC Factor:	N/A
Final 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	

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PCB's in Soil Field Method (Fixed Lab)

Client Sample ID:	S50134MA-0400	Lab Sample ID:	AC07805
Date of Collection:	7/25/2023	Matrix:	Soil
Date of Preparation:	8/01/2023	Amount Prepared:	N/A
Date of Analysis:	8/02/2023	Percent Solids:	N/A
Dry Weight Prepared:	N/A	Extract Dilution:	1
Wet Weight Prepared:	1.97 grams	pH:	N/A
Volume Extracted:	N/A	GPC Factor:	N/A
Final 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	

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PCB's in Soil Field Method (Fixed Lab)

Client Sample ID:	S50134MA-0345	Lab Sample ID:	AC07806
Date of Collection:	7/24/2023	Matrix:	Soil
Date of Preparation:	8/01/2023	Amount Prepared:	N/A
Date of Analysis:	8/02/2023	Percent Solids:	N/A
Dry Weight Prepared:	N/A	Extract Dilution:	1
Wet Weight Prepared:	1.87 grams	pH:	N/A
Volume Extracted:	N/A	GPC Factor:	N/A
Final 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	

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PCB's in Soil Field Method (Fixed Lab)

Client Sample ID:	S50134MA-0355	Lab Sample ID:	AC07807
Date of Collection:	7/24/2023	Matrix:	Soil
Date of Preparation:	8/01/2023	Amount Prepared:	N/A
Date of Analysis:	8/02/2023	Percent Solids:	N/A
Dry Weight Prepared:	N/A	Extract Dilution:	1
Wet Weight Prepared:	1.89 grams	pH:	N/A
Volume Extracted:	N/A	GPC Factor:	N/A
Final 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	

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PCB's in Soil Field Method (Fixed Lab)

Client Sample ID:	S50134MA-0350	Lab Sample ID:	AC07808
Date of Collection:	7/24/2023	Matrix:	Soil
Date of Preparation:	8/01/2023	Amount Prepared:	N/A
Date of Analysis:	8/02/2023	Percent Solids:	N/A
Dry Weight Prepared:	N/A	Extract Dilution:	1
Wet Weight Prepared:	1.61 grams	pH:	N/A
Volume Extracted:	N/A	GPC Factor:	N/A
Final 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	

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PCB's in Soil Field Method (Fixed Lab)

Client Sample ID:	S50134MA-0358	Lab Sample ID:	AC07809
Date of Collection:	7/24/2023	Matrix:	Soil
Date of Preparation:	8/01/2023	Amount Prepared:	N/A
Date of Analysis:	8/02/2023	Percent Solids:	N/A
Dry Weight Prepared:	N/A	Extract Dilution:	1
Wet Weight Prepared:	1.85 grams	pH:	N/A
Volume Extracted:	N/A	GPC Factor:	N/A
Final 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	

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PCB's in Soil Field Method (Fixed Lab)

Client Sample ID:	S50134MA-0368	Lab Sample ID:	AC07810
Date of Collection:	7/24/2023	Matrix:	Soil
Date of Preparation:	8/01/2023	Amount Prepared:	N/A
Date of Analysis:	8/02/2023	Percent Solids:	N/A
Dry Weight Prepared:	N/A	Extract Dilution:	1
Wet Weight Prepared:	1.51 grams	pH:	N/A
Volume Extracted:	N/A	GPC Factor:	N/A
Final 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	

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PCB's in Soil Field Method (Fixed Lab)

Client Sample ID:	S50134MA-0326	Lab Sample ID:	AC07811
Date of Collection:	7/24/2023	Matrix:	Soil
Date of Preparation:	8/01/2023	Amount Prepared:	N/A
Date of Analysis:	8/02/2023	Percent Solids:	N/A
Dry Weight Prepared:	N/A	Extract Dilution:	4
Wet Weight Prepared:	1.53 grams	pH:	N/A
Volume Extracted:	N/A	GPC Factor:	N/A
Final 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	**3.9**	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	

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PCB's in Soil Field Method (Fixed Lab)

Client Sample ID:	S50134MA-0366	Lab Sample ID:	AC07812
Date of Collection:	7/24/2023	Matrix:	Soil
Date of Preparation:	8/01/2023	Amount Prepared:	N/A
Date of Analysis:	8/02/2023	Percent Solids:	N/A
Dry Weight Prepared:	N/A	Extract Dilution:	1
Wet Weight Prepared:	2.12 grams	pH:	N/A
Volume Extracted:	N/A	GPC Factor:	N/A
Final 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	**0.21**	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	

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PCB's in Soil Field Method (Fixed Lab)

Client Sample ID:	S50134MA-0398	Lab Sample ID:	AC07813
Date of Collection:	7/25/2023	Matrix:	Soil
Date of Preparation:	8/01/2023	Amount Prepared:	N/A
Date of Analysis:	8/02/2023	Percent Solids:	N/A
Dry Weight Prepared:	N/A	Extract Dilution:	1
Wet Weight Prepared:	1.81 grams	pH:	N/A
Volume Extracted:	N/A	GPC Factor:	N/A
Final 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	**0.52**	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	

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PCB's in Soil Field Method (Fixed Lab)

Client Sample ID:	S50134MA-0389	Lab Sample ID:	AC07814
Date of Collection:	7/25/2023	Matrix:	Soil
Date of Preparation:	8/01/2023	Amount Prepared:	N/A
Date of Analysis:	8/03/2023	Percent Solids:	N/A
Dry Weight Prepared:	N/A	Extract Dilution:	1
Wet Weight Prepared:	2.02 grams	pH:	N/A
Volume Extracted:	N/A	GPC Factor:	N/A
Final 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	**0.36**	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	

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PCB's in Soil Field Method (Fixed Lab)

Client Sample ID:	S50134MA-0376	Lab Sample ID:	AC07815
Date of Collection:	7/25/2023	Matrix:	Soil
Date of Preparation:	8/01/2023	Amount Prepared:	N/A
Date of Analysis:	8/03/2023	Percent Solids:	N/A
Dry Weight Prepared:	N/A	Extract Dilution:	1
Wet Weight Prepared:	2.01 grams	pH:	N/A
Volume Extracted:	N/A	GPC Factor:	N/A
Final 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	**0.34**	0.20	
11097-69-1	Aroclor-1254	**0.39**	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	

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PCB's in Soil Field Method (Fixed Lab)

Client Sample ID:	S50134MA-0387	Lab Sample ID:	AC07816
Date of Collection:	7/25/2023	Matrix:	Soil
Date of Preparation:	8/01/2023	Amount Prepared:	N/A
Date of Analysis:	8/03/2023	Percent Solids:	N/A
Dry Weight Prepared:	N/A	Extract Dilution:	1
Wet Weight Prepared:	1.90 grams	pH:	N/A
Volume Extracted:	N/A	GPC Factor:	N/A
Final 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	**0.20**	0.20	
11097-69-1	Aroclor-1254	**0.26**	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	

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PCB's in Soil Field Method (Fixed Lab)

Client Sample ID:	S50134MA-0396	Lab Sample ID:	AC07817
Date of Collection:	7/25/2023	Matrix:	Soil
Date of Preparation:	8/01/2023	Amount Prepared:	N/A
Date of Analysis:	8/03/2023	Percent Solids:	N/A
Dry Weight Prepared:	N/A	Extract Dilution:	1
Wet Weight Prepared:	2.14 grams	pH:	N/A
Volume Extracted:	N/A	GPC Factor:	N/A
Final 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	**0.20**	0.20	
11097-69-1	Aroclor-1254	**0.29**	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	

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PCB's in Soil Field Method (Fixed Lab)

Client Sample ID:	S50134MA-0382	Lab Sample ID:	AC07818
Date of Collection:	7/25/2023	Matrix:	Soil
Date of Preparation:	8/01/2023	Amount Prepared:	N/A
Date of Analysis:	8/03/2023	Percent Solids:	N/A
Dry Weight Prepared:	N/A	Extract Dilution:	1
Wet Weight Prepared:	1.97 grams	pH:	N/A
Volume Extracted:	N/A	GPC Factor:	N/A
Final 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	**0.37**	0.20	
11097-69-1	Aroclor-1254	**0.35**	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	

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PCB's in Soil Field Method (Fixed Lab)

Client Sample ID:	S50134MA-0384	Lab Sample ID:	AC07819
Date of Collection:	7/25/2023	Matrix:	Soil
Date of Preparation:	8/01/2023	Amount Prepared:	N/A
Date of Analysis:	8/03/2023	Percent Solids:	N/A
Dry Weight Prepared:	N/A	Extract Dilution:	4
Wet Weight Prepared:	1.94 grams	pH:	N/A
Volume Extracted:	N/A	GPC Factor:	N/A
Final 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	**1.6**	0.20	
11097-69-1	Aroclor-1254	**1.2**	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	

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PCB's in Soil Field Method (Fixed Lab)

Client Sample ID:	S50134MA-0390	Lab Sample ID:	AC07820
Date of Collection:	7/25/2023	Matrix:	Soil
Date of Preparation:	8/01/2023	Amount Prepared:	N/A
Date of Analysis:	8/03/2023	Percent Solids:	N/A
Dry Weight Prepared:	N/A	Extract Dilution:	1
Wet Weight Prepared:	2.04 grams	pH:	N/A
Volume Extracted:	N/A	GPC Factor:	N/A
Final 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	**0.50**	0.20	
11097-69-1	Aroclor-1254	**0.50**	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	

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PCB's in Soil Field Method (Fixed Lab)

Client Sample ID:	S50134MA-0391	Lab Sample ID:	AC07821
Date of Collection:	7/25/2023	Matrix:	Soil
Date of Preparation:	8/01/2023	Amount Prepared:	N/A
Date of Analysis:	8/03/2023	Percent Solids:	N/A
Dry Weight Prepared:	N/A	Extract Dilution:	1
Wet Weight Prepared:	1.92 grams	pH:	N/A
Volume Extracted:	N/A	GPC Factor:	N/A
Final 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	

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PCB's in Soil Field Method (Fixed Lab)

Client Sample ID:	S50134MA-0394	Lab Sample ID:	AC07822
Date of Collection:	7/25/2023	Matrix:	Soil
Date of Preparation:	8/01/2023	Amount Prepared:	N/A
Date of Analysis:	8/03/2023	Percent Solids:	N/A
Dry Weight Prepared:	N/A	Extract Dilution:	1
Wet Weight Prepared:	2.19 grams	pH:	N/A
Volume Extracted:	N/A	GPC Factor:	N/A
Final 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	

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PCB's in Soil Field Method (Fixed Lab)

Client Sample ID:	S50134MA-0392	Lab Sample ID:	AC07823
Date of Collection:	7/25/2023	Matrix:	Soil
Date of Preparation:	8/01/2023	Amount Prepared:	N/A
Date of Analysis:	8/03/2023	Percent Solids:	N/A
Dry Weight Prepared:	N/A	Extract Dilution:	1
Wet Weight Prepared:	2.10 grams	pH:	N/A
Volume Extracted:	N/A	GPC Factor:	N/A
Final 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	

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PCB's in Soil Field Method (Fixed Lab)

Client Sample ID:	S50134MA-0395	Lab Sample ID:	AC07824
Date of Collection:	7/25/2023	Matrix:	Soil
Date of Preparation:	8/01/2023	Amount Prepared:	N/A
Date of Analysis:	8/03/2023	Percent Solids:	N/A
Dry Weight Prepared:	N/A	Extract Dilution:	1
Wet Weight Prepared:	2.13 grams	pH:	N/A
Volume Extracted:	N/A	GPC Factor:	N/A
Final 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	

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PCB's in Soil Field Method (Fixed Lab)

Client Sample ID:	S50134MA-0151	Lab Sample ID:	AC07825
Date of Collection:	7/20/2023	Matrix:	Soil
Date of Preparation:	8/01/2023	Amount Prepared:	N/A
Date of Analysis:	8/03/2023	Percent Solids:	N/A
Dry Weight Prepared:	N/A	Extract Dilution:	1
Wet Weight Prepared:	2.20 grams	pH:	N/A
Volume Extracted:	N/A	GPC Factor:	N/A
Final 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	

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PCB's in Soil Field Method (Fixed Lab)

Client Sample ID:	S50134MA-0152	Lab Sample ID:	AC07826
Date of Collection:	7/20/2023	Matrix:	Soil
Date of Preparation:	8/01/2023	Amount Prepared:	N/A
Date of Analysis:	8/03/2023	Percent Solids:	N/A
Dry Weight Prepared:	N/A	Extract Dilution:	1
Wet Weight Prepared:	2.01 grams	pH:	N/A
Volume Extracted:	N/A	GPC Factor:	N/A
Final 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	

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PCB's in Soil Field Method (Fixed Lab)

Client Sample ID:	S50134MA-0153	Lab Sample ID:	AC07827
Date of Collection:	7/20/2023	Matrix:	Soil
Date of Preparation:	8/01/2023	Amount Prepared:	N/A
Date of Analysis:	8/03/2023	Percent Solids:	N/A
Dry Weight Prepared:	N/A	Extract Dilution:	1
Wet Weight Prepared:	2.22 grams	pH:	N/A
Volume Extracted:	N/A	GPC Factor:	N/A
Final 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	**0.27**	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	

Riverside Square PCB - Boston, MA

PCB's in Soil Field Method (Fixed Lab)

Client Sample ID:	S50134MA-0417	Lab Sample ID:	AC07828
Date of Collection:	7/26/2023	Matrix:	Soil
Date of Preparation:	8/01/2023	Amount Prepared:	N/A
Date of Analysis:	8/03/2023	Percent Solids:	N/A
Dry Weight Prepared:	N/A	Extract Dilution:	1
Wet Weight Prepared:	1.96 grams	pH:	N/A
Volume Extracted:	N/A	GPC Factor:	N/A
Final 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	**0.51**	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	

Riverside Square PCB - Boston, MA

PCB's in Soil Field Method (Fixed Lab)

Client Sample ID:	S50134MA-0154	Lab Sample ID:	AC07829
Date of Collection:	7/20/2023	Matrix:	Soil
Date of Preparation:	8/01/2023	Amount Prepared:	N/A
Date of Analysis:	8/03/2023	Percent Solids:	N/A
Dry Weight Prepared:	N/A	Extract Dilution:	1
Wet Weight Prepared:	1.73 grams	pH:	N/A
Volume Extracted:	N/A	GPC Factor:	N/A
Final 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	**0.58**	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	

Riverside Square PCB - Boston, MA

PCB's in Soil Field Method (Fixed Lab)

Client Sample ID:	S50134MA-0434	Lab Sample ID:	AC07830
Date of Collection:	7/20/2023	Matrix:	Soil
Date of Preparation:	8/01/2023	Amount Prepared:	N/A
Date of Analysis:	8/03/2023	Percent Solids:	N/A
Dry Weight Prepared:	N/A	Extract Dilution:	1
Wet Weight Prepared:	1.64 grams	pH:	N/A
Volume Extracted:	N/A	GPC Factor:	N/A
Final 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	**0.78**	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	

Riverside Square PCB - Boston, MA

PCB's in Soil Field Method (Fixed Lab)

Client Sample ID:	S50134MA-0435	Lab Sample ID:	AC07831
Date of Collection:	7/24/2023	Matrix:	Soil
Date of Preparation:	8/01/2023	Amount Prepared:	N/A
Date of Analysis:	8/03/2023	Percent Solids:	N/A
Dry Weight Prepared:	N/A	Extract Dilution:	1
Wet Weight Prepared:	2.07 grams	pH:	N/A
Volume Extracted:	N/A	GPC Factor:	N/A
Final 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	

Riverside Square PCB - Boston, MA

Laboratory Duplicate Results

Sample ID: AC07788

PARAMETER	SAMPLE RESULT mg/Kg	SAMPLE DUPLICATE RESULT mg/Kg	PRECISION RPD %	QC LIMITS
Aroclor-1242	ND	ND	NC	50
Aroclor-1248	ND	ND	NC	50
Aroclor-1254	ND	ND	NC	50
Aroclor-1260	ND	ND	NC	50
Aroclor-1262	ND	ND	NC	50
Aroclor-1268	ND	ND	NC	50

Laboratory Duplicate Results

Sample ID: AC07799

PARAMETER	SAMPLE RESULT mg/Kg	SAMPLE DUPLICATE RESULT mg/Kg	PRECISION RPD %	QC LIMITS
Aroclor-1242	ND	ND	NC	50
Aroclor-1248	ND	ND	NC	50
Aroclor-1254	ND	ND	NC	50
Aroclor-1260	ND	ND	NC	50
Aroclor-1262	ND	ND	NC	50
Aroclor-1268	ND	ND	NC	50

Laboratory Duplicate Results

Sample ID: AC07804

PARAMETER	SAMPLE RESULT mg/Kg	SAMPLE DUPLICATE RESULT mg/Kg	PRECISION RPD %	QC LIMITS
Aroclor-1242	ND	ND	NC	50
Aroclor-1248	ND	ND	NC	50
Aroclor-1254	ND	ND	NC	50
Aroclor-1260	ND	ND	NC	50
Aroclor-1262	ND	ND	NC	50
Aroclor-1268	ND	ND	NC	50

Laboratory Duplicate Results

Sample ID: AC07821

PARAMETER	SAMPLE RESULT mg/Kg	SAMPLE DUPLICATE RESULT mg/Kg	PRECISION RPD %	QC LIMITS
Aroclor-1242	ND	ND	NC	50
Aroclor-1248	ND	ND	NC	50
Aroclor-1254	ND	ND	NC	50
Aroclor-1260	ND	ND	NC	50

Riverside Square PCB - Boston, MA

Laboratory Duplicate Results

Sample ID: AC07821

PARAMETER	SAMPLE RESULT mg/Kg	SAMPLE DUPLICATE RESULT mg/Kg	PRECISION RPD %	QC LIMITS
Aroclor-1262	ND	ND	NC	50
Aroclor-1268	ND	ND	NC	50

Laboratory Duplicate Results

Sample ID: AC07829

PARAMETER	SAMPLE RESULT mg/Kg	SAMPLE DUPLICATE RESULT mg/Kg	PRECISION RPD %	QC LIMITS
Aroclor-1242	ND	ND	NC	50
Aroclor-1248	ND	ND	NC	50
Aroclor-1254	0.58	ND	ND	50
Aroclor-1260	ND	ND	NC	50
Aroclor-1262	ND	ND	NC	50
Aroclor-1268	ND	ND	NC	50

Samples in Batch: AC07786, AC07787, AC07788, AC07789, AC07790, AC07791, AC07792, AC07793, AC07794, AC07795, AC07796, AC07797, AC07798, AC07799, AC07800, AC07801, AC07802, AC07803, AC07804, AC07805, AC07806, AC07807, AC07808, AC07809, AC07810, AC07811, AC07812, AC07813, AC07814, AC07815, AC07816, AC07817, AC07818, AC07819, AC07820, AC07821, AC07822, AC07823, AC07824, AC07825, AC07826, AC07827, AC07828, AC07829, AC07830, AC07831

 PN: 23070043

USEPA
WESTON/START
101 Billerica Ave
N Billerica, MA

CHAIN OF CUSTODY RECORD
Site #: S50134MA
Contact Name: Bonnie Mace
Contact Phone: 978-621-1213

No: 1-072323-151844-0003
Riverside Sq PCB
Lab: LSASD/OEME
Lab Phone: 617-918-8490

Lab #	Sample #	Location	Sub Location	Analyses	Matrix	Sample Date	Sample Time	Numb Cont	Container	Preservative	Lab QC
	S50134MA-0418	RB-03		PCBs	water	7/20/2023	16:00	2	1 L Amber	4 C	N
	S50134MA-0418	RB-03		Metals	water	7/20/2023	16:00	1	500 ml poly	4C	N
	S50134MA-0419	RB-04		Metals	water	7/21/2023	16:00	1	500 ml poly	4C	N
	S50134MA-0419	RB-04		PCBs	water	7/21/2023	16:00	2	1 L Amber	4 C	N
	S50134MA-0420	RB-05		Metals	water	7/24/2023	16:00	1	500 ml poly	4C	N
	S50134MA-0420	RB-05		PCBs	water	7/24/2023	16:00	2	1 L Amber	4 C	N
	S50134MA-0421	RB-06		Metals	water	7/25/2023	16:00	1	500 ml poly	4C	N
	S50134MA-0421	RB-06		PCBs	water	7/25/2023	16:00	2	1 L Amber	4 C	N
	S50134MA-0422	RB-07		Metals	water	7/26/2023	16:00	1	500 ml poly	4C	N
	S50134MA-0422	RB-07		PCBs	water	7/26/2023	16:00	2	1 L Amber	4 C	N
	S50134MA-0431	AA-000	A	PCBs	soil	7/25/2023	09:40	1	poly bag	4C	N
	S50134MA-0410	AA-025	A	PCBs	soil	7/25/2023	14:30	1	poly bag	4C	N
	S50134MA-0412	AA-050	A	PCBs	soil	7/25/2023	14:35	1	poly bag	4C	N
	S50134MA-0374	AA-075	A	PCBs	soil	7/24/2023	15:02	1	poly bag	4C	N
	S50134MA-0340	B-000	A	PCBs	soil	7/24/2023	12:02	1	poly bag	4C	N
X	~~S50134MA-0379~~	~~B-225~~	~~A~~	~~PCBs~~	~~soil~~	~~7/26/2023~~	~~09:55~~	~~1~~	~~poly bag~~	~~4C~~	~~N~~
	S50134MA-0380	B-250	A	PCBs	soil	7/25/2023	09:55	1	poly bag	4C	N
	S50134MA-0383	B-250	B	PCBs	soil	7/25/2023	10:05	1	poly bag	4C	N
	S50134MA-0377	B-275	A	PCBs	soil	7/25/2023	09:40	1	poly bag	4C	N

CA 7/31/23

Special Instructions: PLEASE SELECT 20% OF FIELD SCREENED PCB SAMPLES FOR CONFIRMATORY PCB ANALYSIS AND METALS ANALYSIS. ALL SAMPLES WERE ALSO FIELD SCREENED VIA XRF BY START PERSONNEL. THANKS!!!

SAMPLES TRANSFERRED FROM
CHAIN OF CUSTODY #

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
	[signature]	7/31/23 1230hrs	[signature] ESAT	7-31-23 12:30	

 PN: 23070043

USEPA
WESTON/START
101 Billerica Ave
N Billerica, MA

CHAIN OF CUSTODY RECORD
Site #: S50134MA
Contact Name: Bonnie Mace
Contact Phone: 978-621-1213

No: 1-072323-151844-0003
Riverside Sq PCB
Lab: LSASD/OEME
Lab Phone: 617-918-8490

Lab #	Sample #	Location	Sub Location	Analyses	Matrix	Sample Date	Sample Time	Numb Cont	Container	Preservative	Lab QC
	S50134MA-0378	B-275	B	PCBs	soil	7/25/2023	09:50	1	poly bag	4C	N
	S50134MA-0436	B-275	D	PCBs	soil	7/25/2023	09:40	1	poly bag	4C	N
	S50134MA-0353	BB-025	A	PCBs	soil	7/24/2023	14:00	1	poly bag	4C	N
	S50134MA-0365	BB-050	A	PCBs	soil	7/24/2023	14:25	1	poly bag	4C	N
	S50134MA-0349	BB-075	A	PCBs	soil	7/24/2023	13:35	1	poly bag	4C	N
	S50134MA-0372	BB-125	A	PCBs	soil	7/24/2023	14:55	1	poly bag	4C	N
	S50134MA-0332	C-000	A	PCBs	soil	7/24/2023	11:46	1	poly bag	4C	N
	S50134MA-0386	C-225	A	PCBs	soil	7/25/2023	10:25	1	poly bag	4C	N
	S50134MA-0425	C-250	A	PCBs	soil	7/25/2023	09:30	1	poly bag	4C	N
	S50134MA-0397	C-275	A	PCBs	soil	7/25/2023	11:42	1	poly bag	4C	N
	S50134MA-0399	C-275	B	PCBs	soil	7/25/2023	11:47	1	poly bag	4C	N
	S50134MA-0400	C-300	A	PCBs	soil	7/25/2023	11:48	1	poly bag	4C	N
	S50134MA-0345	CC-025	A	PCBs	soil	7/24/2023	13:30	1	poly bag	4C	N
	S50134MA-0355	CC-050	A	PCBs	soil	7/24/2023	14:05	1	poly bag	4C	N
	S50134MA-0350	CC-075	A	PCBs	soil	7/24/2023	13:35	1	poly bag	4C	N
	S50134MA-0358	CC-075	B	PCBs	soil	7/24/2023	14:10	1	poly bag	4C	N
	S50134MA-0368	CC-150	A	PCBs	soil	7/24/2023	14:45	1	poly bag	4C	N
	S50134MA-0326	D-000	A	PCBs	soil	7/24/2023	11:38	1	poly bag	4C	N
	S50134MA-0366	D-175	A	PCBs	soil	7/24/2023	10:40	1	poly bag	4C	N

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SAMPLES TRANSFERRED FROM
CHAIN OF CUSTODY #

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
	[signature]	7/31/23 1230 hrs	[signature] ESAT	7-31-23 12:30	

 PN: 23070043

USEPA
WESTON/START
101 Billerica Ave
N Billerica, MA

CHAIN OF CUSTODY RECORD
Site #: S50134MA
Contact Name: Bonnie Mace
Contact Phone: 978-621-1213

No: 1-072323-151844-0003
Riverside Sq PCB
Lab: LSASD/OEME
Lab Phone: 617-918-8490

Lab #	Sample #	Location	Sub Location	Analyses	Matrix	Sample Date	Sample Time	Numb Cont	Container	Preservative	Lab QC
	S50134MA-0398	D-200	A	PCBs	soil	7/25/2023	11:45	1	poly bag	4C	N
	S50134MA-0389	D-225	A	PCBs	soil	7/25/2023	10:40	1	poly bag	4C	N
	S50134MA-0376	D-250	A	PCBs	soil	7/25/2023	09:36	1	poly bag	4C	N
	S50134MA-0387	D-275	A	PCBs	soil	7/25/2023	10:30	1	poly bag	4C	N
	S50134MA-0396	D-300	A	PCBs	soil	7/25/2023	11:30	1	poly bag	4C	N
	S50134MA-0382	D-325	A	PCBs	soil	7/25/2023	10:01	1	poly bag	4C	N
	S50134MA-0384	D-325	B	PCBs	soil	7/25/2023	10:10	1	poly bag	4C	N
	S50134MA-0390	D-350	A	PCBs	soil	7/25/2023	10:55	1	poly bag	4C	N
	S50134MA-0391	D-375	A	PCBs	soil	7/25/2023	10:55	1	poly bag	4C	N
	S50134MA-0394	D-375	B	PCBs	soil	7/25/2023	11:05	1	poly bag	4C	N
	S50134MA-0392	D-400	A	PCBs	soil	7/25/2023	11:00	1	poly bag	4C	N
	S50134MA-0395	D-400	B	PCBs	soil	7/25/2023	11:11	1	poly bag	4C	N
	S50134MA-0151	D-425	A	PCBs	soil	7/20/2023	12:44	1	poly bag	4C	N
	S50134MA-0152	D-450	A	PCBs	soil	7/20/2023	14:11	1	poly bag	4C	N
	S50134MA-0153	D-450	B	PCBs	soil	7/20/2023	14:14	1	poly bag	4C	N
	S50134MA-0417	D-475	A	PCBs	soil	7/26/2023	10:25	1	poly bag	4C	N
	S50134MA-0154	D-525	A	PCBs	soil	7/20/2023	11:55	1	poly bag	4C	N
	S50134MA-0434	D-550	A	PCBs	soil	7/20/2023	11:30	1	poly bag	4C	N
	S50134MA-0435	DD-025	A	PCBs	Soil	7/24/2023	13:45	1	poly bag	4 C	N

Special Instructions: PLEASE SELECT 20% OF FIELD SCREENED PCB SAMPLES FOR CONFIRMATORY PCB ANALYSIS AND METALS ANALYSIS. ALL SAMPLES WERE ALSO FIELD SCREENED VIA XRF BY START PERSONNEL. THANKS!!!

SAMPLES TRANSFERRED FROM
CHAIN OF CUSTODY #

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
	[signature]	7/31/23 1230 hrs	[signature] ESAT	7-31-23 12:30	

 PN: 23070044

USEPA
WESTON/START
101 Billerica Ave
N Billerica, MA

CHAIN OF CUSTODY RECORD
Site #: S50134MA
Contact Name: Bonnie Mace
Contact Phone: 978-621-1213

No: 1-072323-151844-0003
Riverside Sq PCB
Lab: LSASD/OEME
Lab Phone: 617-918-8490

Lab #	Sample #	Location	Sub Location	Analyses	Matrix	Sample Date	Sample Time	Numb Cont	Container	Preservative	Lab QC
	S50134MA-0371	DD-150	A	PCBs	soil	7/24/2023	14:45	1	poly bag	4C	N
	S50134MA-0367	DD-175	A	PCBs	soil	7/24/2023	14:30	1	poly bag	4C	N
	S50134MA-0426	DD-200	A	PCBs	soil	7/25/2023	13:45	1	poly bag	4C	N
	S50134MA-0325	E-000	A	PCBs	soil	7/24/2023	11:34	1	poly bag	4C	N
	S50134MA-0321	E-100	A	PCBs	soil	7/24/2023	11:20	1	poly bag	4C	N
	S50134MA-0311	E-125	A	PCBs	soil	7/24/2023	10:50	1	poly bag	4C	N
	S50134MA-0300	E-150	A	PCBs	soil	7/24/2023	10:20	1	poly bag	4C	N
	S50134MA-0430	E-175	A	PCBs	soil	7/24/2023	10:05	1	poly bag	4C	N
	S50134MA-0285	E-200	A	PCBs	soil	7/24/2023	09:40	1	poly bag	4C	N
	S50134MA-0279	E-225	A	PCBs	soil	7/24/2023	09:25	1	poly bag	4C	N
	S50134MA-0177	E-250	A	PCBs	soil	7/21/2023	14:05	1	poly bag	4C	N
	S50134MA-0275	E-275	A	PCBs	soil	7/24/2023	09:15	1	poly bag	4C	N
	S50134MA-0385	E-325	A	PCBs	soil	7/25/2023	10:20	1	poly bag	4C	N
	S50134MA-0388	E-350	A	PCBs	soil	7/25/2023	10:35	1	poly bag	4C	N
	S50134MA-0393	E-375	A	PCBs	soil	7/25/2023	11:00	1	poly bag	4C	N
	S50134MA-0155	E-400	A	PCBs	soil	7/20/2023	12:18	1	poly bag	4C	N
	S50134MA-0156	E-425	A	PCBs	soil	7/20/2023	12:10	1	poly bag	4C	N
	S50134MA-0157	E-425	B	PCBs	soil	7/20/2023	12:30	1	poly bag	4C	N
	S50134MA-0158	E-450	A	PCBs	soil	7/20/2023	14:15	1	poly bag	4C	N

Special Instructions: PLEASE SELECT 20% OF FIELD SCREENED PCB SAMPLES FOR CONFIRMATORY PCB ANALYSIS AND METALS ANALYSIS. ALL SAMPLES WERE ALSO FIELD SCREENED VIA XRF BY START PERSONNEL. THANKS!!!

SAMPLES TRANSFERRED FROM
CHAIN OF CUSTODY #

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
	[signature]	7/31/23 1230 hrs	[signature] ESAT	7-31-23 12:30	

PN. 12307004

USEPA
WESTON/START
101 Billerica Ave
N Billerica, MA

CHAIN OF CUSTODY RECORD
Site #: S50134MA
Contact Name: Bonnie Mace
Contact Phone: 978-621-1213

No: 1-072323-151844-0003
Riverside Sq PCB
Lab: LSASD/OEME
Lab Phone: 617-918-8490

Lab #	Sample #	Location	Sub Location	Analyses	Matrix	Sample Date	Sample Time	Numb Cont	Container	Preservative	Lab QC
	S50134MA-0159	E-475	A	PCBs	soil	7/20/2023	14:10	1	poly bag	4C	N
	S50134MA-0160	E-475	B	PCBs	soil	7/20/2023	14:20	1	poly bag	4C	N
	S50134MA-0161	E-500	A	PCBs	soil	7/20/2023	11:45	1	poly bag	4C	N
	S50134MA-0162	E-500	B	PCBs	soil	7/20/2023	11:55	1	poly bag	4C	N
	S50134MA-0432	E-525	A	PCBs	soil	7/20/2023	11:08	1	poly bag	4C	N
	S50134MA-0163	E-550	A	PCBs	soil	7/20/2023	10:43	1	poly bag	4C	N
	S50134MA-0336	EE-025	A	PCBs	soil	7/24/2023	11:55	1	poly bag	4C	N
	S50134MA-0338	EE-050	A	PCBs	soil	7/24/2023	11:55	1	poly bag	4C	N
	S50134MA-0347	EE-075	A	PCBs	soil	7/24/2023	13:31	1	poly bag	4C	N
	S50134MA-0360	EE-150	A	PCBs	soil	7/24/2023	14:15	1	poly bag	4C	N
	S50134MA-0357	EE-175	A	PCBs	soil	7/24/2023	14:07	1	poly bag	4C	N
	S50134MA-0362	EE-175	B	PCBs	soil	7/24/2023	14:15	1	poly bag	4C	N
	S50134MA-0413	EE-200	A	PCBs	soil	7/25/2023	13:40	1	poly bag	4C	N
X	~~S50134MA-0281~~	~~EE-225~~	~~A~~	~~PCBs~~	~~soil~~	~~7/24/2023~~	~~09:25~~	~~1~~	~~poly bag~~	~~4C~~	~~N~~
	S50134MA-0437	EE-225	D	PCBs	soil	7/24/2023	09:25	1	poly bag	4C	N
	S50134MA-0404	EE-250	A	PCBs	soil	7/25/2023	14:00	1	poly bag	4C	N
	S50134MA-0408	EE-275	A	PCBs	soil	7/25/2023	14:15	1	poly bag	4C	N
	S50134MA-0319	F-000	A	PCBs	soil	7/24/2023	11:17	1	poly bag	4C	N
	S50134MA-0317	F-050	A	PCBs	soil	7/24/2023	11:11	1	poly bag	4C	N

TL

Special Instructions: PLEASE SELECT 20% OF FIELD SCREENED PCB SAMPLES FOR CONFIRMATORY PCB ANALYSIS AND METALS ANALYSIS. ALL SAMPLES WERE ALSO FIELD SCREENED VIA XRF BY START PERSONNEL. THANKS!!!

SAMPLES TRANSFERRED FROM
CHAIN OF CUSTODY #

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
	[signature]	7/31/23 1230 hr	[signature] ESAT	7-31-23 12:30	

USEPA
WESTON/START
101 Billerica Ave
N Billerica, MA

CHAIN OF CUSTODY RECORD
Site #: S50134MA
Contact Name: Bonnie Mace
Contact Phone: 978-621-1213

No: 1-072323-151844-0003
Riverside Sq PCB
Lab: LSASD/OEME
Lab Phone: 617-918-8490

PN: 23070044

Lab #	Sample #	Location	Sub Location	Analyses	Matrix	Sample Date	Sample Time	Numb Cont	Container	Preservative	Lab QC
	S50134MA-0308	F-075	A	PCBs	soil	7/24/2023	10:48	1	poly bag	4C	N
	S50134MA-0313	F-100	A	PCBs	soil	7/24/2023	11:05	1	poly bag	4C	N
	S50134MA-0302	F-125	A	PCBs	soil	7/24/2023	10:23	1	poly bag	4C	N
	S50134MA-0295	F-150	A	PCBs	soil	7/24/2023	10:05	1	poly bag	4C	N
	S50134MA-0293	F-175	A	PCBs	soil	7/24/2023	09:50	1	poly bag	4C	N
	S50134MA-0428	F-200	A	PCBs	soil	7/24/2023	10:10	1	poly bag	4C	N
	S50134MA-0289	F-225	A	PCBs	soil	7/24/2023	09:43	1	poly bag	4C	N
	S50134MA-0178	F-250	A	PCBs	soil	7/21/2023	13:30	1	poly bag	4C	N
	S50134MA-0179	F-275	A	PCBs	soil	7/21/2023	13:45	1	poly bag	4C	N
	S50134MA-0180	F-300	A	PCBs	soil	7/21/2023	11:40	1	poly bag	4C	N
	S50134MA-0181	F-300	B	PCBs	soil	7/21/2023	11:50	1	poly bag	4C	N
	S50134MA-0182	F-325	A	PCBs	soil	7/21/2023	11:15	1	poly bag	4C	N
	S50134MA-0183	F-350	A	PCBs	soil	7/21/2023	10:58	1	poly bag	4C	N
	S50134MA-0184	F-375	A	PCBs	soil	7/21/2023	10:20	1	poly bag	4C	N
	S50134MA-0185	F-400	A	PCBs	soil	7/21/2023	11:00	1	poly bag	4C	N
	S50134MA-0186	F-400	B	PCBs	soil	7/21/2023	11:08	1	poly bag	4C	N
	S50134MA-0187	F-425	A	PCBs	soil	7/21/2023	10:18	1	poly bag	4C	N
	S50134MA-0164	F-450	A	PCBs	soil	7/20/2023	12:02	1	poly bag	4C	N
	S50134MA-0165	F-450	B	PCBs	soil	7/20/2023	12:24	1	poly bag	4C	N

PN: 23070045

Special Instructions: PLEASE SELECT 20% OF FIELD SCREENED PCB SAMPLES FOR CONFIRMATORY PCB ANALYSIS AND METALS ANALYSIS. ALL SAMPLES WERE ALSO FIELD SCREENED VIA XRF BY START PERSONNEL. THANKS!!!

SAMPLES TRANSFERRED FROM CHAIN OF CUSTODY #

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
	[signature]	7/31/23 1230 hrs	[signature] ESAT	7-31-23 12:30	

PN: 23070045

USEPA
WESTON/START
101 Billerica Ave
N Billerica, MA

CHAIN OF CUSTODY RECORD
Site #: S50134MA
Contact Name: Bonnie Mace
Contact Phone: 978-621-1213

No: 1-072323-151844-0003
Riverside Sq PCB
Lab: LSASD/OEME
Lab Phone: 617-918-8490

Lab #	Sample #	Location	Sub Location	Analyses	Matrix	Sample Date	Sample Time	Numb Cont	Container	Preservative	Lab QC
	S50134MA-0166	F-475	A	PCBs	soil	7/20/2023	11:47	1	poly bag	4C	N
	S50134MA-0167	F-500	A	PCBs	soil	7/20/2023	11:21	1	poly bag	4C	N
	S50134MA-0168	F-525	A	PCBs	soil	7/20/2023	10:55	1	poly bag	4C	N
	S50134MA-0169	F-550	A	PCBs	soil	7/20/2023	10:30	1	poly bag	4C	N
	S50134MA-0330	FF-025	A	PCBs	soil	7/24/2023	11:45	1	poly bag	4C	N
	S50134MA-0335	FF-050	A	PCBs	soil	7/24/2023	11:50	1	poly bag	4C	N
	S50134MA-0309	FF-075	A	PCBs	soil	7/24/2023	13:30	1	poly bag	4C	N
	~~S50134MA-0343~~	~~FF-075~~	~~B~~	~~PCBs~~	~~soil~~	~~7/24/2023~~	~~13:05~~	~~1~~	~~poly bag~~	~~4C~~	~~N~~
	S50134MA-0403	FF-150	A	PCBs	soil	7/25/2023	13:45	1	poly bag	4C	N
	S50134MA-0401	FF-175	A	PCBs	soil	7/25/2023	13:40	1	poly bag	4C	N
	S50134MA-0402	FF-200	A	PCBs	soil	7/25/2023	13:40	1	poly bag	4C	N
	S50134MA-0405	FF-225	A	PCBs	soil	7/25/2023	14:00	1	poly bag	4C	N
	S50134MA-0407	FF-250	A	PCBs	soil	7/25/2023	14:10	1	poly bag	4C	N
	S50134MA-0409	FF-250	B	PCBs	soil	7/25/2023	14:20	1	poly bag	4C	N
	S50134MA-0322	G-000	A	PCBs	soil	7/24/2023	11:27	1	poly bag	4C	N
	S50134MA-0433	G-025	A	PCBs	soil	7/24/2023	11:30	1	poly bag	4C	N
	S50134MA-0314	G-050	A	PCBs	soil	7/24/2023	11:10	1	poly bag	4C	N
	S50134MA-0307	G-075	A	PCBs	soil	7/24/2023	10:45	1	poly bag	4C	N
	S50134MA-0304	G-100	A	PCBs	soil	7/24/2023	10:35	1	poly bag	4C	N

JLC 7/31/23

Special Instructions: PLEASE SELECT 20% OF FIELD SCREENED PCB SAMPLES FOR CONFIRMATORY PCB ANALYSIS AND METALS ANALYSIS. ALL SAMPLES WERE ALSO FIELD SCREENED VIA XRF BY START PERSONNEL. THANKS!!!

SAMPLES TRANSFERRED FROM
CHAIN OF CUSTODY #

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
	[signature]	7/31/23 1230 hrs	[signature] ESM	7-31-23 12:30	

 PN :23070045

USEPA
WESTON/START
101 Billerica Ave
N Billerica, MA

CHAIN OF CUSTODY RECORD
Site #: S50134MA
Contact Name: Bonnie Mace
Contact Phone: 978-621-1213

No: 1-072323-151844-0003
Riverside Sq PCB
Lab: LSASD/OEME
Lab Phone: 617-918-8490

Lab #	Sample #	Location	Sub Location	Analyses	Matrix	Sample Date	Sample Time	Numb Cont	Container	Preservative	Lab QC
	S50134MA-0429	G-125	A	PCBs	soil	7/24/2023	09:49	1	poly bag	4C	N
	S50134MA-0286	G-150	A	PCBs	soil	7/24/2023	09:40	1	poly bag	4C	N
	S50134MA-0427	G-175	A	PCBs	soil	7/25/2023	09:45	1	poly bag	4C	N
	S50134MA-0283	G-200	A	PCBs	soil	7/24/2023	09:31	1	poly bag	4C	N
	S50134MA-0296	G-225	A	PCBs	soil	7/24/2023	10:10	1	poly bag	4C	N
	S50134MA-0299	G-225	B	PCBs	soil	7/24/2023	10:15	1	poly bag	4C	N
	S50134MA-0188	G-250	A	PCBs	soil	7/21/2023	13:35	1	poly bag	4C	N
	S50134MA-0189	G-275	A	PCBs	soil	7/21/2023	13:30	1	poly bag	4C	N
	S50134MA-0190	G-300	A	PCBs	soil	7/21/2023	13:10	1	poly bag	4C	N
	S50134MA-0191	G-325	A	PCBs	soil	7/21/2023	11:00	1	poly bag	4C	N
	S50134MA-0192	G-350	A	PCBs	soil	7/21/2023	10:42	1	poly bag	4C	N
	S50134MA-0193	G-375	A	PCBs	soil	7/21/2023	10:08	1	poly bag	4C	N
	S50134MA-0194	G-400	A	PCBs	soil	7/21/2023	10:09	1	poly bag	4C	N
	~~S50134MA-0251~~	~~G-400~~	~~B~~	~~PCBs~~	~~soil~~	~~7/21/2023~~	~~10:07~~	~~1~~	~~poly bag~~	~~4C~~	~~N~~
	S50134MA-0195	G-425	B	PCBs	soil	7/21/2023	09:40	1	poly bag	4C	N
	S50134MA-0196	G-450	A	PCBs	soil	7/21/2023	09:20	1	poly bag	4C	N
	S50134MA-0248	G-475	A	PCBs	soil	7/21/2023	09:40	1	poly bag	4C	N
	S50134MA-0197	G-475	B	PCBs	soil	7/21/2023	09:50	1	poly bag	4C	N
	S50134MA-0198	G-500	A	PCBs	soil	7/21/2023	14:43	1	poly bag	4C	N

7/31/23

Special Instructions: PLEASE SELECT 20% OF FIELD SCREENED PCB SAMPLES FOR CONFIRMATORY PCB ANALYSIS AND METALS ANALYSIS. ALL SAMPLES WERE ALSO FIELD SCREENED VIA XRF BY START PERSONNEL. THANKS!!!

SAMPLES TRANSFERRED FROM CHAIN OF CUSTODY #

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
	JHy	7/31/23 1230hrs	EKT	7-31-23 12:30	

 PN-23070046

USEPA
WESTON/START
101 Billerica Ave
N Billerica, MA

CHAIN OF CUSTODY RECORD
Site #: S50134MA
Contact Name: Bonnie Mace
Contact Phone: 978-621-1213

No: 1-072323-151844-0003
Riverside Sq PCB
Lab: LSASD/OEME
Lab Phone: 617-918-8490

Lab #	Sample #	Location	Sub Location	Analyses	Matrix	Sample Date	Sample Time	Numb Cont	Container	Preservative	Lab QC
	S50134MA-0199	G-525	A	PCBs	soil	7/21/2023	10:08	1	poly bag	4C	N
	S50134MA-0253	G-525	B	PCBs	soil	7/21/2023	10:22	1	poly bag	4C	N
	S50134MA-0200	G-550	A	PCBs	soil	7/21/2023	10:22	1	poly bag	4C	N
	S50134MA-0171	G-675	A	PCBs	soil	7/20/2023	10:26	1	poly bag	4C	N
	S50134MA-0328	GG-025	A	PCBs	soil	7/24/2023	11:40	1	poly bag	4C	N
	S50134MA-0414	H-200	A	PCBs	soil	7/26/2023	09:25	1	poly bag	4C	N
	S50134MA-0278	H-225	A	PCBs	soil	7/24/2023	09:15	1	poly bag	4C	N
	S50134MA-0202	H-250	A	PCBs	soil	7/21/2023	13:15	1	poly bag	4C	N
	S50134MA-0203	H-275	A	PCBs	soil	7/21/2023	13:13	1	poly bag	4C	N
	S50134MA-0204	H-300	A	PCBs	soil	7/21/2023	10:10	1	poly bag	4C	N
	S50134MA-0205	H-325	A	PCBs	soil	7/21/2023	09:46	1	poly bag	4C	N
	S50134MA-0206	H-350	A	PCBs	soil	7/21/2023	09:30	1	poly bag	4C	N
	S50134MA-0207	H-375	A	PCBs	soil	7/21/2023	09:20	1	poly bag	4C	N
	S50134MA-0208	H-400	A	PCBs	soil	7/21/2023	09:10	1	poly bag	4C	N
	S50134MA-0209	H-425	A	PCBs	soil	7/21/2023	09:00	1	poly bag	4C	N
	S50134MA-0415	H-450	A	PCBs	soil	7/26/2023	10:10	1	poly bag	4C	N
	S50134MA-0210	H-475	A	PCBs	soil	7/21/2023	09:33	1	poly bag	4C	N
	S50134MA-0211	H-500	A	PCBs	soil	7/21/2023	08:55	1	poly bag	4C	N
	S50134MA-0212	H-525	A	PCBs	soil	7/21/2023	09:00	1	poly bag	4C	N

Special Instructions: PLEASE SELECT 20% OF FIELD SCREENED PCB SAMPLES FOR CONFIRMATORY PCB ANALYSIS AND METALS ANALYSIS. ALL SAMPLES WERE ALSO FIELD SCREENED VIA XRF BY START PERSONNEL. THANKS!!!

SAMPLES TRANSFERRED FROM CHAIN OF CUSTODY #

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
	[signature]	7/31/23 1230 hr	[signature] START	7-31-23 12:30	

PN: 23078046

USEPA
WESTON/START
101 Billerica Ave
N Billerica, MA

CHAIN OF CUSTODY RECORD
Site #: S50134MA
Contact Name: Bonnie Mace
Contact Phone: 978-621-1213

No: 1-072323-151844-0003
Riverside Sq PCB
Lab: LSASD/OEME
Lab Phone: 617-918-8490

Lab #	Sample #	Location	Sub Location	Analyses	Matrix	Sample Date	Sample Time	Numb Cont	Container	Preservative	Lab QC
	S50134MA-0172	H-550	A	PCBs	soil	7/20/2023	14:15	1	poly bag	4C	N
	S50134MA-0416	H-600	A	PCBs	soil	7/26/2023	10:20	1	poly bag	4C	N
	S50134MA-0173	H-625	A	PCBs	soil	7/20/2023	10:45	1	poly bag	4C	N
	S50134MA-0174	H-625	B	PCBs	soil	7/20/2023	10:59	1	poly bag	4C	N
	S50134MA-0175	H-650	A	PCBs	soil	7/20/2023	10:15	1	poly bag	4C	N
	S50134MA-0176	H-650	B	PCBs	soil	7/20/2023	11:45	1	poly bag	4C	N
	S50134MA-0423	AS2333		PCBs	PE	7/26/2023	16:30	1	2 oz jar	4 C	N
	S50134MA-0424	IS8482		Metals	PE	7/26/2023	16:30	1	2 oz jar	4 C	N
	S50134MA-0381	E-300 A		PCB		7/25/2023	10:00	1	poly bag	4C	N

7/31/23

Special Instructions: PLEASE SELECT 20% OF FIELD SCREENED PCB SAMPLES FOR CONFIRMATORY PCB ANALYSIS AND METALS ANALYSIS. ALL SAMPLES WERE ALSO FIELD SCREENED VIA XRF BY START PERSONNEL. THANKS!!!

SAMPLES TRANSFERRED FROM
CHAIN OF CUSTODY #

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
	[signature]	7/31/23 1230hrs	[signature] ESAT	7-31-23 12:30	

US EPA REGION 1
SAMPLE RECEIPT CHECKLIST

PROJ #: 23070043 --> 23070046	RECEIPT DATE: 7-31-2023
SURVEY NAME: RIVERSIDE SQUARE PCB LOCATION: BOSTON, MA	REC'D BY: D. Guzman (ESAT)
OSC/PO: TOM HATZOPOULOS (2-MO)	SITE ID: 01HG SUPERFUND: Y

WERE SAMPLES SHIPPED? N TRACKING #: _____ DATE/SENT: _____ NO. Hand Delivered	
COOLER TEMPERATURE UPON ARRIVAL _____ °C / NA	
CHAIN OF CUSTODY PRESENT?	Y
COMPLETE?	Y
CUSTODY SEALS PRESENT ON COOLER?	N
SAMPLES?	N
WERE SAMPLE CONTAINERS INTACT?	Y
WAS SAMPLE PRESERVATION DOCUMENTED? COC ✓ Sample Container	Y
APPROPRIATE SAMPLES VOLUME FOR REQUESTED ANALYSIS?	Y
SAMPLES AND COC MATCH?	Y
IF ANY PROBLEMS WAS PROJECT MANAGER NOTIFIED? BY WHOM? _____	
APPROPRIATE SAMPLE CONTAINERS?	Y
SAMPLES WITHIN HOLDING TIMES?	Y
ALL ANALYSIS SPECIFIED ON COC?	Y
DATE/TIME OF COLLECTION ON COC	Y
TURN-AROUND TIME: 4 WEEKS	
DECON	

COMMENTS: WATER & SOIL SAMPLES

PN : 23070043
5 $PCBW
5 $METW_PE
46 $FLFPCB

PN : 23070044
50 $FLFPCB

PN : 23070045
42 $FLFPCB

PN : 23070046
27 $FLFPCB

HOLD PE METALS FOR FUTURE CONFIRMATORY ANALYSIS

United States Environmental Protection Agency
Laboratory Services and Applied Science Division
11 Technology Drive
North Chelmsford, MA 01863-2431

Laboratory Report

August 14, 2023

Tom Hatzopoulos (2-MO)
US EPA New England R1

Project Number: 23070044
Project: Riverside Square PCB - Boston, MA
Analysis: PCB's in Soil Field Method (Fixed Lab)
EPA Chemist: Phillip Gudgel

Date Samples Received by the Laboratory: 07/31/2023

Analytical Procedure:

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

Sample preparation and analysis was done following the EPA Region I SOP, LSBSOP-FLDPCB4.

Concentrations of PCBs in soil were calculated using an external standard technique.

Analysis for PCB's performed by this field analytical technique is used for tentative identification and semi-quantitation of PCB's in soil, oil, and sediment samples.

Soil PCB results are based on sample wet weight.

Data were reviewed in accordance with the internal verification procedures described in the EPA New England Quality Manual for NERL.

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 BOUDREAU

Digitally signed by DANIEL BOUDREAU
Date: 2023.08.14 10:24:18 -04'00'

23070044$FLFPCB

Qualifiers:

RL = Reporting limit
ND = Not Detected above Reporting limit
NA = Not Applicable due to high sample dilutions or sample interferences
NC = Not calculated since analyte concentration is ND.
J = Estimated value
J1 = Estimated value due to MS recovery outside accceptance criteria
J2 = Estimated value due to LFB result outside acceptance criteria
J3 = Estimated value due to RPD result outside acceptance criteria
J4 = Estimated value due to LCS result outside acceptance criteria
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.
R = No recovery was calculated since the analyte concentration is greater than four times the spike level.
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.
A = Suspected Aldol condensation product.
N = Tentatively identified compound.
ANR = Analysis not required.

Riverside Square PCB - Boston, MA

PCB's in Soil Field Method (Fixed Lab)

Client Sample ID:	S50134MA-0371	Lab Sample ID:	AC07832
Date of Collection:	7/24/2023	Matrix:	Soil
Date of Preparation:	8/01/2023	Amount Prepared:	N/A
Date of Analysis:	8/03/2023	Percent Solids:	N/A
Dry Weight Prepared:	N/A	Extract Dilution:	1
Wet Weight Prepared:	1.73 grams	pH:	N/A
Volume Extracted:	N/A	GPC Factor:	N/A
Final 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	

Riverside Square PCB - Boston, MA

PCB's in Soil Field Method (Fixed Lab)

Client Sample ID:	S50134MA-0367	Lab Sample ID:	AC07833
Date of Collection:	7/24/2023	Matrix:	Soil
Date of Preparation:	8/01/2023	Amount Prepared:	N/A
Date of Analysis:	8/03/2023	Percent Solids:	N/A
Dry Weight Prepared:	N/A	Extract Dilution:	1
Wet Weight Prepared:	1.84 grams	pH:	N/A
Volume Extracted:	N/A	GPC Factor:	N/A
Final 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	

Riverside Square PCB - Boston, MA

Laboratory Blank

Client Sample ID:	N/A	Lab Sample ID:	N/A
Date of Collection:	N/A	Matrix:	Soil
Date of Preparation:	8/01/2023	Amount Prepared:	N/A
Date of Analysis:	8/03/2023	Percent Solids:	N/A
Dry Weight Prepared:	2.47 grams	Extract Dilution:	1
Wet Weight Prepared:	N/A	pH:	N/A
Volume Extracted:	N/A	GPC Factor:	N/A
Final 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	

Riverside Square PCB - Boston, MA

PCB's in Soil Field Method (Fixed Lab)

Client Sample ID:	S50134MA-0426	Lab Sample ID:	AC07834
Date of Collection:	7/25/2023	Matrix:	Soil
Date of Preparation:	8/01/2023	Amount Prepared:	N/A
Date of Analysis:	8/03/2023	Percent Solids:	N/A
Dry Weight Prepared:	N/A	Extract Dilution:	1
Wet Weight Prepared:	1.88 grams	pH:	N/A
Volume Extracted:	N/A	GPC Factor:	N/A
Final 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	

Riverside Square PCB - Boston, MA

PCB's in Soil Field Method (Fixed Lab)

Client Sample ID:	S50134MA-0325	Lab Sample ID:	AC07835
Date of Collection:	7/24/2023	Matrix:	Soil
Date of Preparation:	8/01/2023	Amount Prepared:	N/A
Date of Analysis:	8/03/2023	Percent Solids:	N/A
Dry Weight Prepared:	N/A	Extract Dilution:	1
Wet Weight Prepared:	1.52 grams	pH:	N/A
Volume Extracted:	N/A	GPC Factor:	N/A
Final 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	**0.45**	0.20	
11097-69-1	Aroclor-1254	**0.47**	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	

Riverside Square PCB - Boston, MA

PCB's in Soil Field Method (Fixed Lab)

Client Sample ID:	S50134MA-0321	Lab Sample ID:	AC07836
Date of Collection:	7/24/2023	Matrix:	Soil
Date of Preparation:	8/01/2023	Amount Prepared:	N/A
Date of Analysis:	8/03/2023	Percent Solids:	N/A
Dry Weight Prepared:	N/A	Extract Dilution:	1
Wet Weight Prepared:	2.11 grams	pH:	N/A
Volume Extracted:	N/A	GPC Factor:	N/A
Final 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	**0.55**	0.20	
11097-69-1	Aroclor-1254	**0.43**	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	

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PCB's in Soil Field Method (Fixed Lab)

Client Sample ID:	S50134MA-0311	Lab Sample ID:	AC07837
Date of Collection:	7/24/2023	Matrix:	Soil
Date of Preparation:	8/01/2023	Amount Prepared:	N/A
Date of Analysis:	8/03/2023	Percent Solids:	N/A
Dry Weight Prepared:	N/A	Extract Dilution:	1
Wet Weight Prepared:	2.17 grams	pH:	N/A
Volume Extracted:	N/A	GPC Factor:	N/A
Final 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	**0.38**	0.20	
11097-69-1	Aroclor-1254	**0.39**	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	

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PCB's in Soil Field Method (Fixed Lab)

Client Sample ID:	S50134MA-0300	Lab Sample ID:	AC07838
Date of Collection:	7/24/2023	Matrix:	Soil
Date of Preparation:	8/01/2023	Amount Prepared:	N/A
Date of Analysis:	8/03/2023	Percent Solids:	N/A
Dry Weight Prepared:	N/A	Extract Dilution:	1
Wet Weight Prepared:	1.63 grams	pH:	N/A
Volume Extracted:	N/A	GPC Factor:	N/A
Final 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	**0.20**	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	

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PCB's in Soil Field Method (Fixed Lab)

Client Sample ID:	S50134MA-0430	Lab Sample ID:	AC07839
Date of Collection:	7/24/2023	Matrix:	Soil
Date of Preparation:	8/01/2023	Amount Prepared:	N/A
Date of Analysis:	8/03/2023	Percent Solids:	N/A
Dry Weight Prepared:	N/A	Extract Dilution:	1
Wet Weight Prepared:	1.70 grams	pH:	N/A
Volume Extracted:	N/A	GPC Factor:	N/A
Final 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	**0.23**	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	

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PCB's in Soil Field Method (Fixed Lab)

Client Sample ID:	S50134MA-0285	Lab Sample ID:	AC07840
Date of Collection:	7/24/2023	Matrix:	Soil
Date of Preparation:	8/01/2023	Amount Prepared:	N/A
Date of Analysis:	8/03/2023	Percent Solids:	N/A
Dry Weight Prepared:	N/A	Extract Dilution:	1
Wet Weight Prepared:	1.91 grams	pH:	N/A
Volume Extracted:	N/A	GPC Factor:	N/A
Final 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	**0.41**	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	

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PCB's in Soil Field Method (Fixed Lab)

Client Sample ID:	S50134MA-0279	Lab Sample ID:	AC07841
Date of Collection:	7/24/2023	Matrix:	Soil
Date of Preparation:	8/01/2023	Amount Prepared:	N/A
Date of Analysis:	8/03/2023	Percent Solids:	N/A
Dry Weight Prepared:	N/A	Extract Dilution:	1
Wet Weight Prepared:	1.65 grams	pH:	N/A
Volume Extracted:	N/A	GPC Factor:	N/A
Final 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	**0.66**	0.20	
11097-69-1	Aroclor-1254	**0.68**	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	

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PCB's in Soil Field Method (Fixed Lab)

Client Sample ID:	S50134MA-0177	Lab Sample ID:	AC07842
Date of Collection:	7/21/2023	Matrix:	Soil
Date of Preparation:	8/01/2023	Amount Prepared:	N/A
Date of Analysis:	8/03/2023	Percent Solids:	N/A
Dry Weight Prepared:	N/A	Extract Dilution:	1
Wet Weight Prepared:	1.60 grams	pH:	N/A
Volume Extracted:	N/A	GPC Factor:	N/A
Final 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	**0.63**	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	

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PCB's in Soil Field Method (Fixed Lab)

Client Sample ID:	S50134MA-0275	Lab Sample ID:	AC07843
Date of Collection:	7/24/2023	Matrix:	Soil
Date of Preparation:	8/01/2023	Amount Prepared:	N/A
Date of Analysis:	8/03/2023	Percent Solids:	N/A
Dry Weight Prepared:	N/A	Extract Dilution:	1
Wet Weight Prepared:	2.08 grams	pH:	N/A
Volume Extracted:	N/A	GPC Factor:	N/A
Final 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	**0.31**	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	

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PCB's in Soil Field Method (Fixed Lab)

Client Sample ID:	S50134MA-0385	Lab Sample ID:	AC07844
Date of Collection:	7/25/2023	Matrix:	Soil
Date of Preparation:	8/01/2023	Amount Prepared:	N/A
Date of Analysis:	8/03/2023	Percent Solids:	N/A
Dry Weight Prepared:	N/A	Extract Dilution:	1
Wet Weight Prepared:	2.48 grams	pH:	N/A
Volume Extracted:	N/A	GPC Factor:	N/A
Final 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	**0.64**	0.20	
11097-69-1	Aroclor-1254	**0.47**	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	

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PCB's in Soil Field Method (Fixed Lab)

Client Sample ID:	S50134MA-0388	Lab Sample ID:	AC07845
Date of Collection:	7/25/2023	Matrix:	Soil
Date of Preparation:	8/01/2023	Amount Prepared:	N/A
Date of Analysis:	8/03/2023	Percent Solids:	N/A
Dry Weight Prepared:	N/A	Extract Dilution:	1
Wet Weight Prepared:	1.73 grams	pH:	N/A
Volume Extracted:	N/A	GPC Factor:	N/A
Final 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	**0.39**	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	

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PCB's in Soil Field Method (Fixed Lab)

Client Sample ID:	S50134MA-0393	Lab Sample ID:	AC07846
Date of Collection:	7/25/2023	Matrix:	Soil
Date of Preparation:	8/01/2023	Amount Prepared:	N/A
Date of Analysis:	8/03/2023	Percent Solids:	N/A
Dry Weight Prepared:	N/A	Extract Dilution:	1
Wet Weight Prepared:	2.59 grams	pH:	N/A
Volume Extracted:	N/A	GPC Factor:	N/A
Final 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	**0.27**	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	

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PCB's in Soil Field Method (Fixed Lab)

Client Sample ID:	S50134MA-0155	Lab Sample ID:	AC07847
Date of Collection:	7/20/2023	Matrix:	Soil
Date of Preparation:	8/01/2023	Amount Prepared:	N/A
Date of Analysis:	8/03/2023	Percent Solids:	N/A
Dry Weight Prepared:	N/A	Extract Dilution:	1
Wet Weight Prepared:	1.99 grams	pH:	N/A
Volume Extracted:	N/A	GPC Factor:	N/A
Final 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	**0.34**	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	

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PCB's in Soil Field Method (Fixed Lab)

Client Sample ID:	S50134MA-0156	Lab Sample ID:	AC07848
Date of Collection:	7/20/2023	Matrix:	Soil
Date of Preparation:	8/01/2023	Amount Prepared:	N/A
Date of Analysis:	8/03/2023	Percent Solids:	N/A
Dry Weight Prepared:	N/A	Extract Dilution:	1
Wet Weight Prepared:	2.02 grams	pH:	N/A
Volume Extracted:	N/A	GPC Factor:	N/A
Final 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	**0.37**	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	

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PCB's in Soil Field Method (Fixed Lab)

Client Sample ID:	S50134MA-0157	Lab Sample ID:	AC07849
Date of Collection:	7/20/2023	Matrix:	Soil
Date of Preparation:	8/01/2023	Amount Prepared:	N/A
Date of Analysis:	8/04/2023	Percent Solids:	N/A
Dry Weight Prepared:	N/A	Extract Dilution:	4
Wet Weight Prepared:	2.22 grams	pH:	N/A
Volume Extracted:	N/A	GPC Factor:	N/A
Final 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	**1.9**	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	

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PCB's in Soil Field Method (Fixed Lab)

Client Sample ID:	S50134MA-0158	Lab Sample ID:	AC07850
Date of Collection:	7/20/2023	Matrix:	Soil
Date of Preparation:	8/01/2023	Amount Prepared:	N/A
Date of Analysis:	8/03/2023	Percent Solids:	N/A
Dry Weight Prepared:	N/A	Extract Dilution:	1
Wet Weight Prepared:	2.23 grams	pH:	N/A
Volume Extracted:	N/A	GPC Factor:	N/A
Final 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	**0.23**	0.20	
11097-69-1	Aroclor-1254	**0.37**	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	

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PCB's in Soil Field Method (Fixed Lab)

Client Sample ID:	S50134MA-0159	Lab Sample ID:	AC07851
Date of Collection:	7/20/2023	Matrix:	Soil
Date of Preparation:	8/01/2023	Amount Prepared:	N/A
Date of Analysis:	8/03/2023	Percent Solids:	N/A
Dry Weight Prepared:	N/A	Extract Dilution:	1
Wet Weight Prepared:	3.80 grams	pH:	N/A
Volume Extracted:	N/A	GPC Factor:	N/A
Final 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	**0.25**	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	

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PCB's in Soil Field Method (Fixed Lab)

Client Sample ID:	S50134MA-0160	Lab Sample ID:	AC07852
Date of Collection:	7/20/2023	Matrix:	Soil
Date of Preparation:	8/01/2023	Amount Prepared:	N/A
Date of Analysis:	8/03/2023	Percent Solids:	N/A
Dry Weight Prepared:	N/A	Extract Dilution:	1
Wet Weight Prepared:	2.12 grams	pH:	N/A
Volume Extracted:	N/A	GPC Factor:	N/A
Final 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	**0.78**	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	

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PCB's in Soil Field Method (Fixed Lab)

Client Sample ID:	S50134MA-0161	Lab Sample ID:	AC07853
Date of Collection:	7/20/2023	Matrix:	Soil
Date of Preparation:	8/01/2023	Amount Prepared:	N/A
Date of Analysis:	8/03/2023	Percent Solids:	N/A
Dry Weight Prepared:	N/A	Extract Dilution:	1
Wet Weight Prepared:	1.75 grams	pH:	N/A
Volume Extracted:	N/A	GPC Factor:	N/A
Final 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	**0.99**	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	

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PCB's in Soil Field Method (Fixed Lab)

Client Sample ID:	S50134MA-0162	Lab Sample ID:	AC07854
Date of Collection:	7/20/2023	Matrix:	Soil
Date of Preparation:	8/01/2023	Amount Prepared:	N/A
Date of Analysis:	8/03/2023	Percent Solids:	N/A
Dry Weight Prepared:	N/A	Extract Dilution:	1
Wet Weight Prepared:	1.64 grams	pH:	N/A
Volume Extracted:	N/A	GPC Factor:	N/A
Final 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	**1.0**	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	

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PCB's in Soil Field Method (Fixed Lab)

Client Sample ID:	S50134MA-0432	Lab Sample ID:	AC07855
Date of Collection:	7/20/2023	Matrix:	Soil
Date of Preparation:	8/01/2023	Amount Prepared:	N/A
Date of Analysis:	8/04/2023	Percent Solids:	N/A
Dry Weight Prepared:	N/A	Extract Dilution:	2
Wet Weight Prepared:	2.05 grams	pH:	N/A
Volume Extracted:	N/A	GPC Factor:	N/A
Final 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	

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PCB's in Soil Field Method (Fixed Lab)

Client Sample ID:	S50134MA-0163	Lab Sample ID:	AC07856
Date of Collection:	7/20/2023	Matrix:	Soil
Date of Preparation:	8/01/2023	Amount Prepared:	N/A
Date of Analysis:	8/03/2023	Percent Solids:	N/A
Dry Weight Prepared:	N/A	Extract Dilution:	1
Wet Weight Prepared:	3.85 grams	pH:	N/A
Volume Extracted:	N/A	GPC Factor:	N/A
Final 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	**0.22**	0.20	
11097-69-1	Aroclor-1254	**0.29**	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	

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PCB's in Soil Field Method (Fixed Lab)

Client Sample ID:	S50134MA-0336	Lab Sample ID:	AC07857
Date of Collection:	7/24/2023	Matrix:	Soil
Date of Preparation:	8/01/2023	Amount Prepared:	N/A
Date of Analysis:	8/03/2023	Percent Solids:	N/A
Dry Weight Prepared:	N/A	Extract Dilution:	1
Wet Weight Prepared:	1.73 grams	pH:	N/A
Volume Extracted:	N/A	GPC Factor:	N/A
Final 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	**0.49**	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	

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PCB's in Soil Field Method (Fixed Lab)

Client Sample ID:	S50134MA-0338	Lab Sample ID:	AC07858
Date of Collection:	7/24/2023	Matrix:	Soil
Date of Preparation:	8/01/2023	Amount Prepared:	N/A
Date of Analysis:	8/03/2023	Percent Solids:	N/A
Dry Weight Prepared:	N/A	Extract Dilution:	1
Wet Weight Prepared:	2.32 grams	pH:	N/A
Volume Extracted:	N/A	GPC Factor:	N/A
Final 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	

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PCB's in Soil Field Method (Fixed Lab)

Client Sample ID:	S50134MA-0347	Lab Sample ID:	AC07859
Date of Collection:	7/24/2023	Matrix:	Soil
Date of Preparation:	8/01/2023	Amount Prepared:	N/A
Date of Analysis:	8/03/2023	Percent Solids:	N/A
Dry Weight Prepared:	N/A	Extract Dilution:	1
Wet Weight Prepared:	1.35 grams	pH:	N/A
Volume Extracted:	N/A	GPC Factor:	N/A
Final 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	

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PCB's in Soil Field Method (Fixed Lab)

Client Sample ID:	S50134MA-0360	Lab Sample ID:	AC07860
Date of Collection:	7/24/2023	Matrix:	Soil
Date of Preparation:	8/01/2023	Amount Prepared:	N/A
Date of Analysis:	8/03/2023	Percent Solids:	N/A
Dry Weight Prepared:	N/A	Extract Dilution:	1
Wet Weight Prepared:	1.43 grams	pH:	N/A
Volume Extracted:	N/A	GPC Factor:	N/A
Final 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	

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PCB's in Soil Field Method (Fixed Lab)

Client Sample ID:	S50134MA-0357	Lab Sample ID:	AC07861
Date of Collection:	7/24/2023	Matrix:	Soil
Date of Preparation:	8/01/2023	Amount Prepared:	N/A
Date of Analysis:	8/03/2023	Percent Solids:	N/A
Dry Weight Prepared:	N/A	Extract Dilution:	1
Wet Weight Prepared:	1.68 grams	pH:	N/A
Volume Extracted:	N/A	GPC Factor:	N/A
Final 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	

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PCB's in Soil Field Method (Fixed Lab)

Client Sample ID:	S50134MA-0362	Lab Sample ID:	AC07862
Date of Collection:	7/24/2023	Matrix:	Soil
Date of Preparation:	8/01/2023	Amount Prepared:	N/A
Date of Analysis:	8/03/2023	Percent Solids:	N/A
Dry Weight Prepared:	N/A	Extract Dilution:	1
Wet Weight Prepared:	1.65 grams	pH:	N/A
Volume Extracted:	N/A	GPC Factor:	N/A
Final 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	

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PCB's in Soil Field Method (Fixed Lab)

Client Sample ID:	S50134MA-0413	Lab Sample ID:	AC07863
Date of Collection:	7/25/2023	Matrix:	Soil
Date of Preparation:	8/01/2023	Amount Prepared:	N/A
Date of Analysis:	8/04/2023	Percent Solids:	N/A
Dry Weight Prepared:	N/A	Extract Dilution:	1
Wet Weight Prepared:	1.74 grams	pH:	N/A
Volume Extracted:	N/A	GPC Factor:	N/A
Final 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	

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PCB's in Soil Field Method (Fixed Lab)

Client Sample ID:	S50134MA-0437	Lab Sample ID:	AC07864
Date of Collection:	7/24/2023	Matrix:	Soil
Date of Preparation:	8/01/2023	Amount Prepared:	N/A
Date of Analysis:	8/04/2023	Percent Solids:	N/A
Dry Weight Prepared:	N/A	Extract Dilution:	1
Wet Weight Prepared:	1.71 grams	pH:	N/A
Volume Extracted:	N/A	GPC Factor:	N/A
Final 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	

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PCB's in Soil Field Method (Fixed Lab)

Client Sample ID:	S50134MA-0404	Lab Sample ID:	AC07865
Date of Collection:	7/25/2023	Matrix:	Soil
Date of Preparation:	8/01/2023	Amount Prepared:	N/A
Date of Analysis:	8/04/2023	Percent Solids:	N/A
Dry Weight Prepared:	N/A	Extract Dilution:	1
Wet Weight Prepared:	1.67 grams	pH:	N/A
Volume Extracted:	N/A	GPC Factor:	N/A
Final 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	

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PCB's in Soil Field Method (Fixed Lab)

Client Sample ID:	S50134MA-0408	Lab Sample ID:	AC07866
Date of Collection:	7/25/2023	Matrix:	Soil
Date of Preparation:	8/01/2023	Amount Prepared:	N/A
Date of Analysis:	8/04/2023	Percent Solids:	N/A
Dry Weight Prepared:	N/A	Extract Dilution:	1
Wet Weight Prepared:	2.12 grams	pH:	N/A
Volume Extracted:	N/A	GPC Factor:	N/A
Final 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	**0.37**	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	

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PCB's in Soil Field Method (Fixed Lab)

Client Sample ID:	S50134MA-0319	Lab Sample ID:	AC07867
Date of Collection:	7/24/2023	Matrix:	Soil
Date of Preparation:	8/01/2023	Amount Prepared:	N/A
Date of Analysis:	8/04/2023	Percent Solids:	N/A
Dry Weight Prepared:	N/A	Extract Dilution:	1
Wet Weight Prepared:	1.71 grams	pH:	N/A
Volume Extracted:	N/A	GPC Factor:	N/A
Final 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	**0.64**	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	

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PCB's in Soil Field Method (Fixed Lab)

Client Sample ID:	S50134MA-0317	Lab Sample ID:	AC07868
Date of Collection:	7/24/2023	Matrix:	Soil
Date of Preparation:	8/01/2023	Amount Prepared:	N/A
Date of Analysis:	8/04/2023	Percent Solids:	N/A
Dry Weight Prepared:	N/A	Extract Dilution:	1
Wet Weight Prepared:	1.83 grams	pH:	N/A
Volume Extracted:	N/A	GPC Factor:	N/A
Final 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	**0.24**	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	

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PCB's in Soil Field Method (Fixed Lab)

Client Sample ID:	S50134MA-0308	Lab Sample ID:	AC07869
Date of Collection:	7/24/2023	Matrix:	Soil
Date of Preparation:	8/01/2023	Amount Prepared:	N/A
Date of Analysis:	8/04/2023	Percent Solids:	N/A
Dry Weight Prepared:	N/A	Extract Dilution:	1
Wet Weight Prepared:	2.08 grams	pH:	N/A
Volume Extracted:	N/A	GPC Factor:	N/A
Final 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	**0.20**	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	

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PCB's in Soil Field Method (Fixed Lab)

Client Sample ID:	S50134MA-0313	Lab Sample ID:	AC07870
Date of Collection:	7/24/2023	Matrix:	Soil
Date of Preparation:	8/01/2023	Amount Prepared:	N/A
Date of Analysis:	8/04/2023	Percent Solids:	N/A
Dry Weight Prepared:	N/A	Extract Dilution:	1
Wet Weight Prepared:	2.48 grams	pH:	N/A
Volume Extracted:	N/A	GPC Factor:	N/A
Final 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	**0.41**	0.20	
11097-69-1	Aroclor-1254	**0.38**	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	

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PCB's in Soil Field Method (Fixed Lab)

Client Sample ID:	S50134MA-0302	Lab Sample ID:	AC07871
Date of Collection:	7/24/2023	Matrix:	Soil
Date of Preparation:	8/01/2023	Amount Prepared:	N/A
Date of Analysis:	8/04/2023	Percent Solids:	N/A
Dry Weight Prepared:	N/A	Extract Dilution:	1
Wet Weight Prepared:	2.14 grams	pH:	N/A
Volume Extracted:	N/A	GPC Factor:	N/A
Final 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	**0.51**	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	

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PCB's in Soil Field Method (Fixed Lab)

Client Sample ID:	S50134MA-0295	Lab Sample ID:	AC07872
Date of Collection:	7/24/2023	Matrix:	Soil
Date of Preparation:	8/01/2023	Amount Prepared:	N/A
Date of Analysis:	8/04/2023	Percent Solids:	N/A
Dry Weight Prepared:	N/A	Extract Dilution:	1
Wet Weight Prepared:	1.94 grams	pH:	N/A
Volume Extracted:	N/A	GPC Factor:	N/A
Final 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	**0.24**	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	

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PCB's in Soil Field Method (Fixed Lab)

Client Sample ID:	S50134MA-0293	Lab Sample ID:	AC07873
Date of Collection:	7/24/2023	Matrix:	Soil
Date of Preparation:	8/01/2023	Amount Prepared:	N/A
Date of Analysis:	8/04/2023	Percent Solids:	N/A
Dry Weight Prepared:	N/A	Extract Dilution:	1
Wet Weight Prepared:	1.56 grams	pH:	N/A
Volume Extracted:	N/A	GPC Factor:	N/A
Final 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	**0.56**	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	

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PCB's in Soil Field Method (Fixed Lab)

Client Sample ID:	S50134MA-0428	Lab Sample ID:	AC07874
Date of Collection:	7/24/2023	Matrix:	Soil
Date of Preparation:	8/01/2023	Amount Prepared:	N/A
Date of Analysis:	8/04/2023	Percent Solids:	N/A
Dry Weight Prepared:	N/A	Extract Dilution:	1
Wet Weight Prepared:	1.98 grams	pH:	N/A
Volume Extracted:	N/A	GPC Factor:	N/A
Final 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	**0.26**	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	

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PCB's in Soil Field Method (Fixed Lab)

Client Sample ID:	S50134MA-0289	Lab Sample ID:	AC07875
Date of Collection:	7/24/2023	Matrix:	Soil
Date of Preparation:	8/01/2023	Amount Prepared:	N/A
Date of Analysis:	8/04/2023	Percent Solids:	N/A
Dry Weight Prepared:	N/A	Extract Dilution:	2
Wet Weight Prepared:	2.00 grams	pH:	N/A
Volume Extracted:	N/A	GPC Factor:	N/A
Final 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	**1.1**	0.20	
11097-69-1	Aroclor-1254	**1.2**	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	

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PCB's in Soil Field Method (Fixed Lab)

Client Sample ID:	S50134MA-0178	Lab Sample ID:	AC07876
Date of Collection:	7/21/2023	Matrix:	Soil
Date of Preparation:	8/01/2023	Amount Prepared:	N/A
Date of Analysis:	8/04/2023	Percent Solids:	N/A
Dry Weight Prepared:	N/A	Extract Dilution:	5
Wet Weight Prepared:	1.69 grams	pH:	N/A
Volume Extracted:	N/A	GPC Factor:	N/A
Final 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	**3.4**	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	

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PCB's in Soil Field Method (Fixed Lab)

Client Sample ID:	S50134MA-0179	Lab Sample ID:	AC07877
Date of Collection:	7/21/2023	Matrix:	Soil
Date of Preparation:	8/01/2023	Amount Prepared:	N/A
Date of Analysis:	8/04/2023	Percent Solids:	N/A
Dry Weight Prepared:	N/A	Extract Dilution:	1
Wet Weight Prepared:	1.93 grams	pH:	N/A
Volume Extracted:	N/A	GPC Factor:	N/A
Final 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	**0.54**	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	

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PCB's in Soil Field Method (Fixed Lab)

Client Sample ID:	S50134MA-0180	Lab Sample ID:	AC07878
Date of Collection:	7/21/2023	Matrix:	Soil
Date of Preparation:	8/01/2023	Amount Prepared:	N/A
Date of Analysis:	8/04/2023	Percent Solids:	N/A
Dry Weight Prepared:	N/A	Extract Dilution:	1
Wet Weight Prepared:	1.88 grams	pH:	N/A
Volume Extracted:	N/A	GPC Factor:	N/A
Final 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	**0.49**	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	

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PCB's in Soil Field Method (Fixed Lab)

Client Sample ID:	S50134MA-0181	Lab Sample ID:	AC07879
Date of Collection:	7/21/2023	Matrix:	Soil
Date of Preparation:	8/01/2023	Amount Prepared:	N/A
Date of Analysis:	8/04/2023	Percent Solids:	N/A
Dry Weight Prepared:	N/A	Extract Dilution:	1
Wet Weight Prepared:	2.04 grams	pH:	N/A
Volume Extracted:	N/A	GPC Factor:	N/A
Final 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	**0.27**	0.20	
11097-69-1	Aroclor-1254	**0.33**	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	

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PCB's in Soil Field Method (Fixed Lab)

Client Sample ID:	S50134MA-0182	Lab Sample ID:	AC07880
Date of Collection:	7/21/2023	Matrix:	Soil
Date of Preparation:	8/01/2023	Amount Prepared:	N/A
Date of Analysis:	8/04/2023	Percent Solids:	N/A
Dry Weight Prepared:	N/A	Extract Dilution:	1
Wet Weight Prepared:	1.68 grams	pH:	N/A
Volume Extracted:	N/A	GPC Factor:	N/A
Final 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	**0.48**	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	

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PCB's in Soil Field Method (Fixed Lab)

Client Sample ID:	S50134MA-0183	Lab Sample ID:	AC07881
Date of Collection:	7/21/2023	Matrix:	Soil
Date of Preparation:	8/01/2023	Amount Prepared:	N/A
Date of Analysis:	8/04/2023	Percent Solids:	N/A
Dry Weight Prepared:	N/A	Extract Dilution:	1
Wet Weight Prepared:	1.65 grams	pH:	N/A
Volume Extracted:	N/A	GPC Factor:	N/A
Final 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	**0.51**	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	

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Laboratory Duplicate Results

Sample ID: AC07833

PARAMETER	SAMPLE RESULT mg/Kg	SAMPLE DUPLICATE RESULT mg/Kg	PRECISION RPD %	QC LIMITS
Aroclor-1242	ND	ND	NC	50
Aroclor-1248	ND	ND	NC	50
Aroclor-1254	ND	ND	NC	50
Aroclor-1260	ND	ND	NC	50
Aroclor-1262	ND	ND	NC	50
Aroclor-1268	ND	ND	NC	50

Laboratory Duplicate Results

Sample ID: AC07844

PARAMETER	SAMPLE RESULT mg/Kg	SAMPLE DUPLICATE RESULT mg/Kg	PRECISION RPD %	QC LIMITS
Aroclor-1242	ND	ND	NC	50
Aroclor-1248	0.64	1.2	61	50
Aroclor-1254	0.47	0.97	69	50
Aroclor-1260	ND	ND	NC	50
Aroclor-1262	ND	ND	NC	50
Aroclor-1268	ND	ND	NC	50

Laboratory Duplicate Results

Sample ID: AC07851

PARAMETER	SAMPLE RESULT mg/Kg	SAMPLE DUPLICATE RESULT mg/Kg	PRECISION RPD %	QC LIMITS
Aroclor-1242	ND	ND	NC	50
Aroclor-1248	ND	ND	NC	50
Aroclor-1254	0.25	0.48	63	50
Aroclor-1260	ND	ND	NC	50
Aroclor-1262	ND	ND	NC	50
Aroclor-1268	ND	ND	NC	50

Laboratory Duplicate Results

Sample ID: AC07857

PARAMETER	SAMPLE RESULT mg/Kg	SAMPLE DUPLICATE RESULT mg/Kg	PRECISION RPD %	QC LIMITS
Aroclor-1242	ND	ND	NC	50
Aroclor-1248	ND	ND	NC	50
Aroclor-1254	0.49	0.54	9.7	50
Aroclor-1260	ND	ND	NC	50
Aroclor-1262	ND	ND	NC	50

Riverside Square PCB - Boston, MA

Laboratory Duplicate Results

Sample ID: AC07857

PARAMETER	SAMPLE RESULT mg/Kg	SAMPLE DUPLICATE RESULT mg/Kg	PRECISION RPD %	QC LIMITS
Aroclor-1268	ND	ND	NC	50

Laboratory Duplicate Results

Sample ID: AC07865

PARAMETER	SAMPLE RESULT mg/Kg	SAMPLE DUPLICATE RESULT mg/Kg	PRECISION RPD %	QC LIMITS
Aroclor-1242	ND	ND	NC	50
Aroclor-1248	ND	ND	NC	50
Aroclor-1254	ND	ND	NC	50
Aroclor-1260	ND	ND	NC	50
Aroclor-1262	ND	ND	NC	50
Aroclor-1268	ND	ND	NC	50

Laboratory Duplicate Results

Sample ID: AC07871

PARAMETER	SAMPLE RESULT mg/Kg	SAMPLE DUPLICATE RESULT mg/Kg	PRECISION RPD %	QC LIMITS
Aroclor-1242	ND	ND	NC	50
Aroclor-1248	ND	ND	NC	50
Aroclor-1254	0.51	0.41	22	50
Aroclor-1260	ND	ND	NC	50
Aroclor-1262	ND	ND	NC	50
Aroclor-1268	ND	ND	NC	50

Samples in Batch: AC07832, AC07833, AC07834, AC07835, AC07836, AC07837, AC07838, AC07839, AC07840, AC07841, AC07842, AC07843, AC07844, AC07845, AC07846, AC07847, AC07848, AC07849, AC07850, AC07851, AC07852, AC07853, AC07854, AC07855, AC07856, AC07857, AC07858, AC07859, AC07860, AC07861, AC07862, AC07863, AC07864, AC07865, AC07866, AC07867, AC07868, AC07869, AC07870, AC07871, AC07872, AC07873, AC07874, AC07875, AC07876, AC07877, AC07878, AC07879, AC07880, AC07881

 PN: 23070043

USEPA
WESTON/START
101 Billerica Ave
N Billerica, MA

CHAIN OF CUSTODY RECORD
Site #: S50134MA
Contact Name: Bonnie Mace
Contact Phone: 978-621-1213

No: 1-072323-151844-0003
Riverside Sq PCB
Lab: LSASD/OEME
Lab Phone: 617-918-8490

Lab #	Sample #	Location	Sub Location	Analyses	Matrix	Sample Date	Sample Time	Numb Cont	Container	Preservative	Lab QC
	S50134MA-0418	RB-03		PCBs	water	7/20/2023	16:00	2	1 L Amber	4 C	N
	S50134MA-0418	RB-03		Metals	water	7/20/2023	16:00	1	500 ml poly	4C	N
	S50134MA-0419	RB-04		Metals	water	7/21/2023	16:00	1	500 ml poly	4C	N
	S50134MA-0419	RB-04		PCBs	water	7/21/2023	16:00	2	1 L Amber	4 C	N
	S50134MA-0420	RB-05		Metals	water	7/24/2023	16:00	1	500 ml poly	4C	N
	S50134MA-0420	RB-05		PCBs	water	7/24/2023	16:00	2	1 L Amber	4 C	N
	S50134MA-0421	RB-06		Metals	water	7/25/2023	16:00	1	500 ml poly	4C	N
	S50134MA-0421	RB-06		PCBs	water	7/25/2023	16:00	2	1 L Amber	4 C	N
	S50134MA-0422	RB-07		Metals	water	7/26/2023	16:00	1	500 ml poly	4C	N
	S50134MA-0422	RB-07		PCBs	water	7/26/2023	16:00	2	1 L Amber	4 C	N
	S50134MA-0431	AA-000	A	PCBs	soil	7/25/2023	09:40	1	poly bag	4C	N
	S50134MA-0410	AA-025	A	PCBs	soil	7/25/2023	14:30	1	poly bag	4C	N
	S50134MA-0412	AA-050	A	PCBs	soil	7/25/2023	14:35	1	poly bag	4C	N
	S50134MA-0374	AA-075	A	PCBs	soil	7/24/2023	15:02	1	poly bag	4C	N
	S50134MA-0340	B-000	A	PCBs	soil	7/24/2023	12:02	1	poly bag	4C	N
X	~~S50134MA-0379~~	~~B-225~~	~~A~~	~~PCBs~~	~~soil~~	~~7/26/2023~~	~~09:55~~	~~1~~	~~poly bag~~	~~4C~~	~~N~~
	S50134MA-0380	B-250	A	PCBs	soil	7/25/2023	09:55	1	poly bag	4C	N
	S50134MA-0383	B-250	B	PCBs	soil	7/25/2023	10:05	1	poly bag	4C	N
	S50134MA-0377	B-275	A	PCBs	soil	7/25/2023	09:40	1	poly bag	4C	N

CA 7/31/23

Special Instructions: PLEASE SELECT 20% OF FIELD SCREENED PCB SAMPLES FOR CONFIRMATORY PCB ANALYSIS AND METALS ANALYSIS. ALL SAMPLES WERE ALSO FIELD SCREENED VIA XRF BY START PERSONNEL. THANKS!!!

SAMPLES TRANSFERRED FROM
CHAIN OF CUSTODY #

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
	[signature]	7/31/23 1230hrs	[signature] ESAT	7-31-23 12:30	

 PN: 23070043

USEPA
WESTON/START
101 Billerica Ave
N Billerica, MA

CHAIN OF CUSTODY RECORD
Site #: S50134MA
Contact Name: Bonnie Mace
Contact Phone: 978-621-1213

No: 1-072323-151844-0003
Riverside Sq PCB
Lab: LSASD/OEME
Lab Phone: 617-918-8490

Lab #	Sample #	Location	Sub Location	Analyses	Matrix	Sample Date	Sample Time	Numb Cont	Container	Preservative	Lab QC
	S50134MA-0378	B-275	B	PCBs	soil	7/25/2023	09:50	1	poly bag	4C	N
	S50134MA-0436	B-275	D	PCBs	soil	7/25/2023	09:40	1	poly bag	4C	N
	S50134MA-0353	BB-025	A	PCBs	soil	7/24/2023	14:00	1	poly bag	4C	N
	S50134MA-0365	BB-050	A	PCBs	soil	7/24/2023	14:25	1	poly bag	4C	N
	S50134MA-0349	BB-075	A	PCBs	soil	7/24/2023	13:35	1	poly bag	4C	N
	S50134MA-0372	BB-125	A	PCBs	soil	7/24/2023	14:55	1	poly bag	4C	N
	S50134MA-0332	C-000	A	PCBs	soil	7/24/2023	11:46	1	poly bag	4C	N
	S50134MA-0386	C-225	A	PCBs	soil	7/25/2023	10:25	1	poly bag	4C	N
	S50134MA-0425	C-250	A	PCBs	soil	7/25/2023	09:30	1	poly bag	4C	N
	S50134MA-0397	C-275	A	PCBs	soil	7/25/2023	11:42	1	poly bag	4C	N
	S50134MA-0399	C-275	B	PCBs	soil	7/25/2023	11:47	1	poly bag	4C	N
	S50134MA-0400	C-300	A	PCBs	soil	7/25/2023	11:48	1	poly bag	4C	N
	S50134MA-0345	CC-025	A	PCBs	soil	7/24/2023	13:30	1	poly bag	4C	N
	S50134MA-0355	CC-050	A	PCBs	soil	7/24/2023	14:05	1	poly bag	4C	N
	S50134MA-0350	CC-075	A	PCBs	soil	7/24/2023	13:35	1	poly bag	4C	N
	S50134MA-0358	CC-075	B	PCBs	soil	7/24/2023	14:10	1	poly bag	4C	N
	S50134MA-0368	CC-150	A	PCBs	soil	7/24/2023	14:45	1	poly bag	4C	N
	S50134MA-0326	D-000	A	PCBs	soil	7/24/2023	11:38	1	poly bag	4C	N
	S50134MA-0366	D-175	A	PCBs	soil	7/24/2023	10:40	1	poly bag	4C	N

Special Instructions: PLEASE SELECT 20% OF FIELD SCREENED PCB SAMPLES FOR CONFIRMATORY PCB ANALYSIS AND METALS ANALYSIS. ALL SAMPLES WERE ALSO FIELD SCREENED VIA XRF BY START PERSONNEL. THANKS!!!

SAMPLES TRANSFERRED FROM
CHAIN OF CUSTODY #

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
	[signature]	7/31/23 1230 hrs	[signature] ESAT	7-31-23 12:30	

 PN: 23070043

USEPA
WESTON/START
101 Billerica Ave
N Billerica, MA

CHAIN OF CUSTODY RECORD
Site #: S50134MA
Contact Name: Bonnie Mace
Contact Phone: 978-621-1213

No: 1-072323-151844-0003
Riverside Sq PCB
Lab: LSASD/OEME
Lab Phone: 617-918-8490

Lab #	Sample #	Location	Sub Location	Analyses	Matrix	Sample Date	Sample Time	Numb Cont	Container	Preservative	Lab QC
	S50134MA-0398	D-200	A	PCBs	soil	7/25/2023	11:45	1	poly bag	4C	N
	S50134MA-0389	D-225	A	PCBs	soil	7/25/2023	10:40	1	poly bag	4C	N
	S50134MA-0376	D-250	A	PCBs	soil	7/25/2023	09:36	1	poly bag	4C	N
	S50134MA-0387	D-275	A	PCBs	soil	7/25/2023	10:30	1	poly bag	4C	N
	S50134MA-0396	D-300	A	PCBs	soil	7/25/2023	11:30	1	poly bag	4C	N
	S50134MA-0382	D-325	A	PCBs	soil	7/25/2023	10:01	1	poly bag	4C	N
	S50134MA-0384	D-325	B	PCBs	soil	7/25/2023	10:10	1	poly bag	4C	N
	S50134MA-0390	D-350	A	PCBs	soil	7/25/2023	10:55	1	poly bag	4C	N
	S50134MA-0391	D-375	A	PCBs	soil	7/25/2023	10:55	1	poly bag	4C	N
	S50134MA-0394	D-375	B	PCBs	soil	7/25/2023	11:05	1	poly bag	4C	N
	S50134MA-0392	D-400	A	PCBs	soil	7/25/2023	11:00	1	poly bag	4C	N
	S50134MA-0395	D-400	B	PCBs	soil	7/25/2023	11:11	1	poly bag	4C	N
	S50134MA-0151	D-425	A	PCBs	soil	7/20/2023	12:44	1	poly bag	4C	N
	S50134MA-0152	D-450	A	PCBs	soil	7/20/2023	14:11	1	poly bag	4C	N
	S50134MA-0153	D-450	B	PCBs	soil	7/20/2023	14:14	1	poly bag	4C	N
	S50134MA-0417	D-475	A	PCBs	soil	7/26/2023	10:25	1	poly bag	4C	N
	S50134MA-0154	D-525	A	PCBs	soil	7/20/2023	11:55	1	poly bag	4C	N
	S50134MA-0434	D-550	A	PCBs	soil	7/20/2023	11:30	1	poly bag	4C	N
	S50134MA-0435	DD-025	A	PCBs	Soil	7/24/2023	13:45	1	poly bag	4 C	N

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SAMPLES TRANSFERRED FROM
CHAIN OF CUSTODY #

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
	[signature]	7/31/23 1230 hrs	[signature] ESAT	7-31-23 12:30	

 PN: 23070044

USEPA
WESTON/START
101 Billerica Ave
N Billerica, MA

CHAIN OF CUSTODY RECORD
Site #: S50134MA
Contact Name: Bonnie Mace
Contact Phone: 978-621-1213

No: 1-072323-151844-0003
Riverside Sq PCB
Lab: LSASD/OEME
Lab Phone: 617-918-8490

Lab #	Sample #	Location	Sub Location	Analyses	Matrix	Sample Date	Sample Time	Numb Cont	Container	Preservative	Lab QC
	S50134MA-0371	DD-150	A	PCBs	soil	7/24/2023	14:45	1	poly bag	4C	N
	S50134MA-0367	DD-175	A	PCBs	soil	7/24/2023	14:30	1	poly bag	4C	N
	S50134MA-0426	DD-200	A	PCBs	soil	7/25/2023	13:45	1	poly bag	4C	N
	S50134MA-0325	E-000	A	PCBs	soil	7/24/2023	11:34	1	poly bag	4C	N
	S50134MA-0321	E-100	A	PCBs	soil	7/24/2023	11:20	1	poly bag	4C	N
	S50134MA-0311	E-125	A	PCBs	soil	7/24/2023	10:50	1	poly bag	4C	N
	S50134MA-0300	E-150	A	PCBs	soil	7/24/2023	10:20	1	poly bag	4C	N
	S50134MA-0430	E-175	A	PCBs	soil	7/24/2023	10:05	1	poly bag	4C	N
	S50134MA-0285	E-200	A	PCBs	soil	7/24/2023	09:40	1	poly bag	4C	N
	S50134MA-0279	E-225	A	PCBs	soil	7/24/2023	09:25	1	poly bag	4C	N
	S50134MA-0177	E-250	A	PCBs	soil	7/21/2023	14:05	1	poly bag	4C	N
	S50134MA-0275	E-275	A	PCBs	soil	7/24/2023	09:15	1	poly bag	4C	N
	S50134MA-0385	E-325	A	PCBs	soil	7/25/2023	10:20	1	poly bag	4C	N
	S50134MA-0388	E-350	A	PCBs	soil	7/25/2023	10:35	1	poly bag	4C	N
	S50134MA-0393	E-375	A	PCBs	soil	7/25/2023	11:00	1	poly bag	4C	N
	S50134MA-0155	E-400	A	PCBs	soil	7/20/2023	12:18	1	poly bag	4C	N
	S50134MA-0156	E-425	A	PCBs	soil	7/20/2023	12:10	1	poly bag	4C	N
	S50134MA-0157	E-425	B	PCBs	soil	7/20/2023	12:30	1	poly bag	4C	N
	S50134MA-0158	E-450	A	PCBs	soil	7/20/2023	14:15	1	poly bag	4C	N

Special Instructions: PLEASE SELECT 20% OF FIELD SCREENED PCB SAMPLES FOR CONFIRMATORY PCB ANALYSIS AND METALS ANALYSIS. ALL SAMPLES WERE ALSO FIELD SCREENED VIA XRF BY START PERSONNEL. THANKS!!!

SAMPLES TRANSFERRED FROM
CHAIN OF CUSTODY #

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
	[signature]	7/31/23 1230 hrs	[signature] ESAT	7-31-23 12:30	

PN. 12307004

USEPA
WESTON/START
101 Billerica Ave
N Billerica, MA

CHAIN OF CUSTODY RECORD
Site #: S50134MA
Contact Name: Bonnie Mace
Contact Phone: 978-621-1213

No: 1-072323-151844-0003
Riverside Sq PCB
Lab: LSASD/OEME
Lab Phone: 617-918-8490

Lab #	Sample #	Location	Sub Location	Analyses	Matrix	Sample Date	Sample Time	Numb Cont	Container	Preservative	Lab QC
	S50134MA-0159	E-475	A	PCBs	soil	7/20/2023	14:10	1	poly bag	4C	N
	S50134MA-0160	E-475	B	PCBs	soil	7/20/2023	14:20	1	poly bag	4C	N
	S50134MA-0161	E-500	A	PCBs	soil	7/20/2023	11:45	1	poly bag	4C	N
	S50134MA-0162	E-500	B	PCBs	soil	7/20/2023	11:55	1	poly bag	4C	N
	S50134MA-0432	E-525	A	PCBs	soil	7/20/2023	11:08	1	poly bag	4C	N
	S50134MA-0163	E-550	A	PCBs	soil	7/20/2023	10:43	1	poly bag	4C	N
	S50134MA-0336	EE-025	A	PCBs	soil	7/24/2023	11:55	1	poly bag	4C	N
	S50134MA-0338	EE-050	A	PCBs	soil	7/24/2023	11:55	1	poly bag	4C	N
	S50134MA-0347	EE-075	A	PCBs	soil	7/24/2023	13:31	1	poly bag	4C	N
	S50134MA-0360	EE-150	A	PCBs	soil	7/24/2023	14:15	1	poly bag	4C	N
	S50134MA-0357	EE-175	A	PCBs	soil	7/24/2023	14:07	1	poly bag	4C	N
	S50134MA-0362	EE-175	B	PCBs	soil	7/24/2023	14:15	1	poly bag	4C	N
	S50134MA-0413	EE-200	A	PCBs	soil	7/25/2023	13:40	1	poly bag	4C	N
X	~~S50134MA-0281~~	~~EE-225~~	~~A~~	~~PCBs~~	~~soil~~	~~7/24/2023~~	~~09:25~~	~~1~~	~~poly bag~~	~~4C~~	~~N~~
	S50134MA-0437	EE-225	D	PCBs	soil	7/24/2023	09:25	1	poly bag	4C	N
	S50134MA-0404	EE-250	A	PCBs	soil	7/25/2023	14:00	1	poly bag	4C	N
	S50134MA-0408	EE-275	A	PCBs	soil	7/25/2023	14:15	1	poly bag	4C	N
	S50134MA-0319	F-000	A	PCBs	soil	7/24/2023	11:17	1	poly bag	4C	N
	S50134MA-0317	F-050	A	PCBs	soil	7/24/2023	11:11	1	poly bag	4C	N

TL

Special Instructions: PLEASE SELECT 20% OF FIELD SCREENED PCB SAMPLES FOR CONFIRMATORY PCB ANALYSIS AND METALS ANALYSIS. ALL SAMPLES WERE ALSO FIELD SCREENED VIA XRF BY START PERSONNEL. THANKS!!!

SAMPLES TRANSFERRED FROM
CHAIN OF CUSTODY #

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
	[signature]	7/31/23 1230 hr	[signature] ESAT	7-31-23 12:30	

USEPA
WESTON/START
101 Billerica Ave
N Billerica, MA

CHAIN OF CUSTODY RECORD
Site #: S50134MA
Contact Name: Bonnie Mace
Contact Phone: 978-621-1213

No: 1-072323-151844-0003
Riverside Sq PCB
Lab: LSASD/OEME
Lab Phone: 617-918-8490

PN: 23070044

Lab #	Sample #	Location	Sub Location	Analyses	Matrix	Sample Date	Sample Time	Numb Cont	Container	Preservative	Lab QC
	S50134MA-0308	F-075	A	PCBs	soil	7/24/2023	10:48	1	poly bag	4C	N
	S50134MA-0313	F-100	A	PCBs	soil	7/24/2023	11:05	1	poly bag	4C	N
	S50134MA-0302	F-125	A	PCBs	soil	7/24/2023	10:23	1	poly bag	4C	N
	S50134MA-0295	F-150	A	PCBs	soil	7/24/2023	10:05	1	poly bag	4C	N
	S50134MA-0293	F-175	A	PCBs	soil	7/24/2023	09:50	1	poly bag	4C	N
	S50134MA-0428	F-200	A	PCBs	soil	7/24/2023	10:10	1	poly bag	4C	N
	S50134MA-0289	F-225	A	PCBs	soil	7/24/2023	09:43	1	poly bag	4C	N
	S50134MA-0178	F-250	A	PCBs	soil	7/21/2023	13:30	1	poly bag	4C	N
	S50134MA-0179	F-275	A	PCBs	soil	7/21/2023	13:45	1	poly bag	4C	N
	S50134MA-0180	F-300	A	PCBs	soil	7/21/2023	11:40	1	poly bag	4C	N
	S50134MA-0181	F-300	B	PCBs	soil	7/21/2023	11:50	1	poly bag	4C	N
	S50134MA-0182	F-325	A	PCBs	soil	7/21/2023	11:15	1	poly bag	4C	N
	S50134MA-0183	F-350	A	PCBs	soil	7/21/2023	10:58	1	poly bag	4C	N
	S50134MA-0184	F-375	A	PCBs	soil	7/21/2023	10:20	1	poly bag	4C	N
	S50134MA-0185	F-400	A	PCBs	soil	7/21/2023	11:00	1	poly bag	4C	N
	S50134MA-0186	F-400	B	PCBs	soil	7/21/2023	11:08	1	poly bag	4C	N
	S50134MA-0187	F-425	A	PCBs	soil	7/21/2023	10:18	1	poly bag	4C	N
	S50134MA-0164	F-450	A	PCBs	soil	7/20/2023	12:02	1	poly bag	4C	N
	S50134MA-0165	F-450	B	PCBs	soil	7/20/2023	12:24	1	poly bag	4C	N

PN: 23070045

Special Instructions: PLEASE SELECT 20% OF FIELD SCREENED PCB SAMPLES FOR CONFIRMATORY PCB ANALYSIS AND METALS ANALYSIS. ALL SAMPLES WERE ALSO FIELD SCREENED VIA XRF BY START PERSONNEL. THANKS!!!

SAMPLES TRANSFERRED FROM CHAIN OF CUSTODY #

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
	[signature]	7/31/23 1230 hrs	[signature] ESAT	7-31-23 12:30	

PN: 23070045

USEPA
WESTON/START
101 Billerica Ave
N Billerica, MA

CHAIN OF CUSTODY RECORD
Site #: S50134MA
Contact Name: Bonnie Mace
Contact Phone: 978-621-1213

No: 1-072323-151844-0003
Riverside Sq PCB
Lab: LSASD/OEME
Lab Phone: 617-918-8490

Lab #	Sample #	Location	Sub Location	Analyses	Matrix	Sample Date	Sample Time	Numb Cont	Container	Preservative	Lab QC
	S50134MA-0166	F-475	A	PCBs	soil	7/20/2023	11:47	1	poly bag	4C	N
	S50134MA-0167	F-500	A	PCBs	soil	7/20/2023	11:21	1	poly bag	4C	N
	S50134MA-0168	F-525	A	PCBs	soil	7/20/2023	10:55	1	poly bag	4C	N
	S50134MA-0169	F-550	A	PCBs	soil	7/20/2023	10:30	1	poly bag	4C	N
	S50134MA-0330	FF-025	A	PCBs	soil	7/24/2023	11:45	1	poly bag	4C	N
	S50134MA-0335	FF-050	A	PCBs	soil	7/24/2023	11:50	1	poly bag	4C	N
	S50134MA-0309	FF-075	A	PCBs	soil	7/24/2023	13:30	1	poly bag	4C	N
	~~S50134MA-0343~~	~~FF-075~~	~~B~~	~~PCBs~~	~~soil~~	~~7/24/2023~~	~~13:05~~	~~1~~	~~poly bag~~	~~4C~~	~~N~~
	S50134MA-0403	FF-150	A	PCBs	soil	7/25/2023	13:45	1	poly bag	4C	N
	S50134MA-0401	FF-175	A	PCBs	soil	7/25/2023	13:40	1	poly bag	4C	N
	S50134MA-0402	FF-200	A	PCBs	soil	7/25/2023	13:40	1	poly bag	4C	N
	S50134MA-0405	FF-225	A	PCBs	soil	7/25/2023	14:00	1	poly bag	4C	N
	S50134MA-0407	FF-250	A	PCBs	soil	7/25/2023	14:10	1	poly bag	4C	N
	S50134MA-0409	FF-250	B	PCBs	soil	7/25/2023	14:20	1	poly bag	4C	N
	S50134MA-0322	G-000	A	PCBs	soil	7/24/2023	11:27	1	poly bag	4C	N
	S50134MA-0433	G-025	A	PCBs	soil	7/24/2023	11:30	1	poly bag	4C	N
	S50134MA-0314	G-050	A	PCBs	soil	7/24/2023	11:10	1	poly bag	4C	N
	S50134MA-0307	G-075	A	PCBs	soil	7/24/2023	10:45	1	poly bag	4C	N
	S50134MA-0304	G-100	A	PCBs	soil	7/24/2023	10:35	1	poly bag	4C	N

JLC 7/31/23

Special Instructions: PLEASE SELECT 20% OF FIELD SCREENED PCB SAMPLES FOR CONFIRMATORY PCB ANALYSIS AND METALS ANALYSIS. ALL SAMPLES WERE ALSO FIELD SCREENED VIA XRF BY START PERSONNEL. THANKS!!!

SAMPLES TRANSFERRED FROM
CHAIN OF CUSTODY #

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
	[signature]	7/31/23 1230 hrs	[signature] ESM	7-31-23 12:30	

 PN :23070045

USEPA
WESTON/START
101 Billerica Ave
N Billerica, MA

CHAIN OF CUSTODY RECORD
Site #: S50134MA
Contact Name: Bonnie Mace
Contact Phone: 978-621-1213

No: 1-072323-151844-0003
Riverside Sq PCB
Lab: LSASD/OEME
Lab Phone: 617-918-8490

Lab #	Sample #	Location	Sub Location	Analyses	Matrix	Sample Date	Sample Time	Numb Cont	Container	Preservative	Lab QC
	S50134MA-0429	G-125	A	PCBs	soil	7/24/2023	09:49	1	poly bag	4C	N
	S50134MA-0286	G-150	A	PCBs	soil	7/24/2023	09:40	1	poly bag	4C	N
	S50134MA-0427	G-175	A	PCBs	soil	7/25/2023	09:45	1	poly bag	4C	N
	S50134MA-0283	G-200	A	PCBs	soil	7/24/2023	09:31	1	poly bag	4C	N
	S50134MA-0296	G-225	A	PCBs	soil	7/24/2023	10:10	1	poly bag	4C	N
	S50134MA-0299	G-225	B	PCBs	soil	7/24/2023	10:15	1	poly bag	4C	N
	S50134MA-0188	G-250	A	PCBs	soil	7/21/2023	13:35	1	poly bag	4C	N
	S50134MA-0189	G-275	A	PCBs	soil	7/21/2023	13:30	1	poly bag	4C	N
	S50134MA-0190	G-300	A	PCBs	soil	7/21/2023	13:10	1	poly bag	4C	N
	S50134MA-0191	G-325	A	PCBs	soil	7/21/2023	11:00	1	poly bag	4C	N
	S50134MA-0192	G-350	A	PCBs	soil	7/21/2023	10:42	1	poly bag	4C	N
	S50134MA-0193	G-375	A	PCBs	soil	7/21/2023	10:08	1	poly bag	4C	N
	S50134MA-0194	G-400	A	PCBs	soil	7/21/2023	10:09	1	poly bag	4C	N
X	~~S50134MA-0251~~	~~G-400~~	~~B~~	~~PCBs~~	~~soil~~	~~7/21/2023~~	~~10:07~~	~~1~~	~~poly bag~~	~~4C~~	~~N~~
	S50134MA-0195	G-425	B	PCBs	soil	7/21/2023	09:40	1	poly bag	4C	N
	S50134MA-0196	G-450	A	PCBs	soil	7/21/2023	09:20	1	poly bag	4C	N
	S50134MA-0248	G-475	A	PCBs	soil	7/21/2023	09:40	1	poly bag	4C	N
	S50134MA-0197	G-475	B	PCBs	soil	7/21/2023	09:50	1	poly bag	4C	N
	S50134MA-0198	G-500	A	PCBs	soil	7/21/2023	14:43	1	poly bag	4C	N

JM 7/31/23

Special Instructions: PLEASE SELECT 20% OF FIELD SCREENED PCB SAMPLES FOR CONFIRMATORY PCB ANALYSIS AND METALS ANALYSIS. ALL SAMPLES WERE ALSO FIELD SCREENED VIA XRF BY START PERSONNEL. THANKS!!!

SAMPLES TRANSFERRED FROM
CHAIN OF CUSTODY #

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
	JAy	7/31/23 1230hrs	[illegible] EKT	7-31-23 12:30	

 PN - 23070046

USEPA
WESTON/START
101 Billerica Ave
N Billerica, MA

CHAIN OF CUSTODY RECORD
Site #: S50134MA
Contact Name: Bonnie Mace
Contact Phone: 978-621-1213

No: 1-072323-151844-0003
Riverside Sq PCB
Lab: LSASD/OEME
Lab Phone: 617-918-8490

Lab #	Sample #	Location	Sub Location	Analyses	Matrix	Sample Date	Sample Time	Numb Cont	Container	Preservative	Lab QC
	S50134MA-0199	G-525	A	PCBs	soil	7/21/2023	10:08	1	poly bag	4C	N
	S50134MA-0253	G-525	B	PCBs	soil	7/21/2023	10:22	1	poly bag	4C	N
	S50134MA-0200	G-550	A	PCBs	soil	7/21/2023	10:22	1	poly bag	4C	N
	S50134MA-0171	G-675	A	PCBs	soil	7/20/2023	10:26	1	poly bag	4C	N
	S50134MA-0328	GG-025	A	PCBs	soil	7/24/2023	11:40	1	poly bag	4C	N
	S50134MA-0414	H-200	A	PCBs	soil	7/26/2023	09:25	1	poly bag	4C	N
	S50134MA-0278	H-225	A	PCBs	soil	7/24/2023	09:15	1	poly bag	4C	N
	S50134MA-0202	H-250	A	PCBs	soil	7/21/2023	13:15	1	poly bag	4C	N
	S50134MA-0203	H-275	A	PCBs	soil	7/21/2023	13:13	1	poly bag	4C	N
	S50134MA-0204	H-300	A	PCBs	soil	7/21/2023	10:10	1	poly bag	4C	N
	S50134MA-0205	H-325	A	PCBs	soil	7/21/2023	09:46	1	poly bag	4C	N
	S50134MA-0206	H-350	A	PCBs	soil	7/21/2023	09:30	1	poly bag	4C	N
	S50134MA-0207	H-375	A	PCBs	soil	7/21/2023	09:20	1	poly bag	4C	N
	S50134MA-0208	H-400	A	PCBs	soil	7/21/2023	09:10	1	poly bag	4C	N
	S50134MA-0209	H-425	A	PCBs	soil	7/21/2023	09:00	1	poly bag	4C	N
	S50134MA-0415	H-450	A	PCBs	soil	7/26/2023	10:10	1	poly bag	4C	N
	S50134MA-0210	H-475	A	PCBs	soil	7/21/2023	09:33	1	poly bag	4C	N
	S50134MA-0211	H-500	A	PCBs	soil	7/21/2023	08:55	1	poly bag	4C	N
	S50134MA-0212	H-525	A	PCBs	soil	7/21/2023	09:00	1	poly bag	4C	N

Special Instructions: PLEASE SELECT 20% OF FIELD SCREENED PCB SAMPLES FOR CONFIRMATORY PCB ANALYSIS AND METALS ANALYSIS. ALL SAMPLES WERE ALSO FIELD SCREENED VIA XRF BY START PERSONNEL. THANKS!!!

SAMPLES TRANSFERRED FROM CHAIN OF CUSTODY #

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
	[signature]	7/31/23 1230 hr	[signature] START	7-31-23 12:30	

PN: 23070046

USEPA
WESTON/START
101 Billerica Ave
N Billerica, MA

CHAIN OF CUSTODY RECORD
Site #: S50134MA
Contact Name: Bonnie Mace
Contact Phone: 978-621-1213

No: 1-072323-151844-0003
Riverside Sq PCB
Lab: LSASD/OEME
Lab Phone: 617-918-8490

Lab #	Sample #	Location	Sub Location	Analyses	Matrix	Sample Date	Sample Time	Numb Cont	Container	Preservative	Lab QC
	S50134MA-0172	H-550	A	PCBs	soil	7/20/2023	14:15	1	poly bag	4C	N
	S50134MA-0416	H-600	A	PCBs	soil	7/26/2023	10:20	1	poly bag	4C	N
	S50134MA-0173	H-625	A	PCBs	soil	7/20/2023	10:45	1	poly bag	4C	N
	S50134MA-0174	H-625	B	PCBs	soil	7/20/2023	10:59	1	poly bag	4C	N
	S50134MA-0175	H-650	A	PCBs	soil	7/20/2023	10:15	1	poly bag	4C	N
	S50134MA-0176	H-650	B	PCBs	soil	7/20/2023	11:45	1	poly bag	4C	N
	S50134MA-0423	AS2333		PCBs	PE	7/26/2023	16:30	1	2 oz jar	4 C	N
	S50134MA-0424	IS8482		Metals	PE	7/26/2023	16:30	1	2 oz jar	4 C	N
	S50134MA-0381	E-300 A		PCB		7/25/2023	10:00	1	poly bag	4C	N

7/31/23

Special Instructions: PLEASE SELECT 20% OF FIELD SCREENED PCB SAMPLES FOR CONFIRMATORY PCB ANALYSIS AND METALS ANALYSIS. ALL SAMPLES WERE ALSO FIELD SCREENED VIA XRF BY START PERSONNEL. THANKS!!!

SAMPLES TRANSFERRED FROM
CHAIN OF CUSTODY #

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
	[signature]	7/31/23 1230hrs	[signature] ESAT	7-31-23 12:30	

US EPA REGION 1
SAMPLE RECEIPT CHECKLIST

PROJ #: 23070043 --> 23070046	RECEIPT DATE: 7-31-2023
SURVEY NAME: RIVERSIDE SQUARE PCB LOCATION: BOSTON, MA	REC'D BY: D. Guzman (ESAT)
OSC/PO: TOM HATZOPOULOS (2-MO)	SITE ID: 01HG SUPERFUND: Y

WERE SAMPLES SHIPPED? N TRACKING #: _____ DATE/SENT: _____ NO. Hand Delivered	
COOLER TEMPERATURE UPON ARRIVAL _____ °C / NA	
CHAIN OF CUSTODY PRESENT?	Y
COMPLETE?	Y
CUSTODY SEALS PRESENT ON COOLER?	N
SAMPLES?	N
WERE SAMPLE CONTAINERS INTACT?	Y
WAS SAMPLE PRESERVATION DOCUMENTED? COC ✓ Sample Container	Y
APPROPRIATE SAMPLES VOLUME FOR REQUESTED ANALYSIS?	Y
SAMPLES AND COC MATCH?	Y
IF ANY PROBLEMS WAS PROJECT MANAGER NOTIFIED? BY WHOM? _____	
APPROPRIATE SAMPLE CONTAINERS?	Y
SAMPLES WITHIN HOLDING TIMES?	Y
ALL ANALYSIS SPECIFIED ON COC?	Y
DATE/TIME OF COLLECTION ON COC	Y
TURN-AROUND TIME: 4 WEEKS	
DECON	

COMMENTS: WATER & SOIL SAMPLES

PN : 23070043
5 $PCBW
5 $METW_PE
46 $FLFPCB

PN : 23070044
50 $FLFPCB

PN : 23070045
42 $FLFPCB

PN : 23070046
27 $FLFPCB

HOLD PE METALS FOR FUTURE CONFIRMATORY ANALYSIS

United States Environmental Protection Agency
Laboratory Services and Applied Science Division
11 Technology Drive
North Chelmsford, MA 01863-2431

Laboratory Report

August 14, 2023

Tom Hatzopoulos (2-MO)
US EPA New England R1

Project Number: 23070045
Project: Riverside Square PCB - Boston, MA
Analysis: PCB's in Soil Field Method (Fixed Lab)
EPA Chemist: Phillip Gudgel

Date Samples Received by the Laboratory: 07/31/2023

Analytical Procedure:

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

Sample preparation and analysis was done following the EPA Region I SOP, LSBSOP-FLDPCB4.

Concentrations of PCBs in soil were calculated using an external standard technique.

Analysis for PCB's performed by this field analytical technique is used for tentative identification and semi-quantitation of PCB's in soil, oil, and sediment samples.

Soil PCB results are based on sample wet weight.

Data were reviewed in accordance with the internal verification procedures described in the EPA New England Quality Manual for NERL.

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 BOUDREAU

Digitally signed by DANIEL BOUDREAU
Date: 2023.08.14 11:49:46 -04'00'

23070045$FLFPCB

Qualifiers:

RL = Reporting limit
ND = Not Detected above Reporting limit
NA = Not Applicable due to high sample dilutions or sample interferences
NC = Not calculated since analyte concentration is ND.
J = Estimated value
J1 = Estimated value due to MS recovery outside accceptance criteria
J2 = Estimated value due to LFB result outside acceptance criteria
J3 = Estimated value due to RPD result outside acceptance criteria
J4 = Estimated value due to LCS result outside acceptance criteria
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.
R = No recovery was calculated since the analyte concentration is greater than four times the spike level.
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.
A = Suspected Aldol condensation product.
N = Tentatively identified compound.
ANR = Analysis not required.

Riverside Square PCB - Boston, MA

PCB's in Soil Field Method (Fixed Lab)

Client Sample ID:	S50134-0184	Lab Sample ID:	AC07882
Date of Collection:	7/21/2023	Matrix:	Soil
Date of Preparation:	8/02/2023	Amount Prepared:	N/A
Date of Analysis:	8/04/2023	Percent Solids:	N/A
Dry Weight Prepared:	N/A	Extract Dilution:	1
Wet Weight Prepared:	1.64 grams	pH:	N/A
Volume Extracted:	N/A	GPC Factor:	N/A
Final 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	**0.52**	0.20	
11097-69-1	Aroclor-1254	**0.69**	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	

Riverside Square PCB - Boston, MA

PCB's in Soil Field Method (Fixed Lab)

Client Sample ID:	S50134-0185	Lab Sample ID:	AC07883
Date of Collection:	7/21/2023	Matrix:	Soil
Date of Preparation:	8/02/2023	Amount Prepared:	N/A
Date of Analysis:	8/04/2023	Percent Solids:	N/A
Dry Weight Prepared:	N/A	Extract Dilution:	1
Wet Weight Prepared:	1.99 grams	pH:	N/A
Volume Extracted:	N/A	GPC Factor:	N/A
Final 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	**0.39**	0.20	
11097-69-1	Aroclor-1254	**0.59**	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	

Riverside Square PCB - Boston, MA

PCB's in Soil Field Method (Fixed Lab)

Client Sample ID:	S50134-0186	Lab Sample ID:	AC07884
Date of Collection:	7/21/2023	Matrix:	Soil
Date of Preparation:	8/02/2023	Amount Prepared:	N/A
Date of Analysis:	8/04/2023	Percent Solids:	N/A
Dry Weight Prepared:	N/A	Extract Dilution:	1
Wet Weight Prepared:	1.84 grams	pH:	N/A
Volume Extracted:	N/A	GPC Factor:	N/A
Final 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	**0.99**	0.20	
11097-69-1	Aroclor-1254	**0.81**	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	

Riverside Square PCB - Boston, MA

PCB's in Soil Field Method (Fixed Lab)

Client Sample ID:	S50134-0187	Lab Sample ID:	AC07885
Date of Collection:	7/21/2023	Matrix:	Soil
Date of Preparation:	8/02/2023	Amount Prepared:	N/A
Date of Analysis:	8/04/2023	Percent Solids:	N/A
Dry Weight Prepared:	N/A	Extract Dilution:	1
Wet Weight Prepared:	1.82 grams	pH:	N/A
Volume Extracted:	N/A	GPC Factor:	N/A
Final 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	**0.55**	0.20	
11097-69-1	Aroclor-1254	**0.63**	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	

Riverside Square PCB - Boston, MA

PCB's in Soil Field Method (Fixed Lab)

Client Sample ID:	S50134-0164	Lab Sample ID:	AC07886
Date of Collection:	7/20/2023	Matrix:	Soil
Date of Preparation:	8/02/2023	Amount Prepared:	N/A
Date of Analysis:	8/04/2023	Percent Solids:	N/A
Dry Weight Prepared:	N/A	Extract Dilution:	1
Wet Weight Prepared:	2.12 grams	pH:	N/A
Volume Extracted:	N/A	GPC Factor:	N/A
Final 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	**0.46**	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	

Riverside Square PCB - Boston, MA

PCB's in Soil Field Method (Fixed Lab)

Client Sample ID:	S50134-0165	Lab Sample ID:	AC07887
Date of Collection:	7/20/2023	Matrix:	Soil
Date of Preparation:	8/02/2023	Amount Prepared:	N/A
Date of Analysis:	8/04/2023	Percent Solids:	N/A
Dry Weight Prepared:	N/A	Extract Dilution:	4
Wet Weight Prepared:	1.90 grams	pH:	N/A
Volume Extracted:	N/A	GPC Factor:	N/A
Final 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	**3.5**	0.20	
11097-69-1	Aroclor-1254	**1.7**	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	

Riverside Square PCB - Boston, MA

PCB's in Soil Field Method (Fixed Lab)

Client Sample ID:	S50134-0166	Lab Sample ID:	AC07888
Date of Collection:	7/21/2023	Matrix:	Soil
Date of Preparation:	8/02/2023	Amount Prepared:	N/A
Date of Analysis:	8/04/2023	Percent Solids:	N/A
Dry Weight Prepared:	N/A	Extract Dilution:	1
Wet Weight Prepared:	2.05 grams	pH:	N/A
Volume Extracted:	N/A	GPC Factor:	N/A
Final 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	**0.33**	0.20	
11097-69-1	Aroclor-1254	**0.35**	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	

Riverside Square PCB - Boston, MA

PCB's in Soil Field Method (Fixed Lab)

Client Sample ID:	S50134-0167	Lab Sample ID:	AC07889
Date of Collection:	7/20/2023	Matrix:	Soil
Date of Preparation:	8/02/2023	Amount Prepared:	N/A
Date of Analysis:	8/04/2023	Percent Solids:	N/A
Dry Weight Prepared:	N/A	Extract Dilution:	1
Wet Weight Prepared:	1.90 grams	pH:	N/A
Volume Extracted:	N/A	GPC Factor:	N/A
Final 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	**0.71**	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	

Riverside Square PCB - Boston, MA

PCB's in Soil Field Method (Fixed Lab)

Client Sample ID:	S50134-0168	Lab Sample ID:	AC07890
Date of Collection:	7/20/2023	Matrix:	Soil
Date of Preparation:	8/02/2023	Amount Prepared:	N/A
Date of Analysis:	8/04/2023	Percent Solids:	N/A
Dry Weight Prepared:	N/A	Extract Dilution:	1
Wet Weight Prepared:	1.81 grams	pH:	N/A
Volume Extracted:	N/A	GPC Factor:	N/A
Final 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	**0.68**	0.20	
11097-69-1	Aroclor-1254	**0.80**	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	

Riverside Square PCB - Boston, MA

PCB's in Soil Field Method (Fixed Lab)

Client Sample ID:	S50134-0169	Lab Sample ID:	AC07891
Date of Collection:	7/20/2023	Matrix:	Soil
Date of Preparation:	8/02/2023	Amount Prepared:	N/A
Date of Analysis:	8/04/2023	Percent Solids:	N/A
Dry Weight Prepared:	N/A	Extract Dilution:	1
Wet Weight Prepared:	1.98 grams	pH:	N/A
Volume Extracted:	N/A	GPC Factor:	N/A
Final 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	**0.73**	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	

Riverside Square PCB - Boston, MA

Laboratory Blank

Client Sample ID:	N/A	Lab Sample ID:	N/A
Date of Collection:	N/A	Matrix:	Soil
Date of Preparation:	8/02/2023	Amount Prepared:	N/A
Date of Analysis:	8/04/2023	Percent Solids:	N/A
Dry Weight Prepared:	2.38 grams	Extract Dilution:	1
Wet Weight Prepared:	N/A	pH:	N/A
Volume Extracted:	N/A	GPC Factor:	N/A
Final 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	

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PCB's in Soil Field Method (Fixed Lab)

Client Sample ID:	S50134-0330	Lab Sample ID:	AC07892
Date of Collection:	7/24/2023	Matrix:	Soil
Date of Preparation:	8/02/2023	Amount Prepared:	N/A
Date of Analysis:	8/04/2023	Percent Solids:	N/A
Dry Weight Prepared:	N/A	Extract Dilution:	1
Wet Weight Prepared:	1.99 grams	pH:	N/A
Volume Extracted:	N/A	GPC Factor:	N/A
Final 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	**0.85**	0.20	
11097-69-1	Aroclor-1254	**0.67**	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	

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PCB's in Soil Field Method (Fixed Lab)

Client Sample ID:	S50134-0335	Lab Sample ID:	AC07893
Date of Collection:	7/24/2023	Matrix:	Soil
Date of Preparation:	8/02/2023	Amount Prepared:	N/A
Date of Analysis:	8/04/2023	Percent Solids:	N/A
Dry Weight Prepared:	N/A	Extract Dilution:	1
Wet Weight Prepared:	1.90 grams	pH:	N/A
Volume Extracted:	N/A	GPC Factor:	N/A
Final 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	**0.75**	0.20	
11097-69-1	Aroclor-1254	**0.63**	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	

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PCB's in Soil Field Method (Fixed Lab)

Client Sample ID:	S50134-0309	Lab Sample ID:	AC07894
Date of Collection:	7/24/2023	Matrix:	Soil
Date of Preparation:	8/02/2023	Amount Prepared:	N/A
Date of Analysis:	8/04/2023	Percent Solids:	N/A
Dry Weight Prepared:	N/A	Extract Dilution:	1
Wet Weight Prepared:	2.05 grams	pH:	N/A
Volume Extracted:	N/A	GPC Factor:	N/A
Final 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	**1.2**	0.20	
11097-69-1	Aroclor-1254	**1.0**	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	

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PCB's in Soil Field Method (Fixed Lab)

Client Sample ID:	S50134-0403	Lab Sample ID:	AC07895
Date of Collection:	7/25/2023	Matrix:	Soil
Date of Preparation:	8/02/2023	Amount Prepared:	N/A
Date of Analysis:	8/04/2023	Percent Solids:	N/A
Dry Weight Prepared:	N/A	Extract Dilution:	1
Wet Weight Prepared:	1.67 grams	pH:	N/A
Volume Extracted:	N/A	GPC Factor:	N/A
Final 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	**0.54**	0.20	
11097-69-1	Aroclor-1254	**0.71**	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	

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PCB's in Soil Field Method (Fixed Lab)

Client Sample ID:	S50134-0401	Lab Sample ID:	AC07896
Date of Collection:	7/25/2023	Matrix:	Soil
Date of Preparation:	8/02/2023	Amount Prepared:	N/A
Date of Analysis:	8/04/2023	Percent Solids:	N/A
Dry Weight Prepared:	N/A	Extract Dilution:	1
Wet Weight Prepared:	1.78 grams	pH:	N/A
Volume Extracted:	N/A	GPC Factor:	N/A
Final 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	**0.39**	0.20	
11097-69-1	Aroclor-1254	**0.72**	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	

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PCB's in Soil Field Method (Fixed Lab)

Client Sample ID:	S50134-0402	Lab Sample ID:	AC07897
Date of Collection:	7/25/2023	Matrix:	Soil
Date of Preparation:	8/02/2023	Amount Prepared:	N/A
Date of Analysis:	8/04/2023	Percent Solids:	N/A
Dry Weight Prepared:	N/A	Extract Dilution:	1
Wet Weight Prepared:	1.70 grams	pH:	N/A
Volume Extracted:	N/A	GPC Factor:	N/A
Final 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	**0.22**	0.20	
11097-69-1	Aroclor-1254	**0.41**	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	

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PCB's in Soil Field Method (Fixed Lab)

Client Sample ID:	S50134-0405	Lab Sample ID:	AC07898
Date of Collection:	7/25/2023	Matrix:	Soil
Date of Preparation:	8/02/2023	Amount Prepared:	N/A
Date of Analysis:	8/05/2023	Percent Solids:	N/A
Dry Weight Prepared:	N/A	Extract Dilution:	1
Wet Weight Prepared:	1.91 grams	pH:	N/A
Volume Extracted:	N/A	GPC Factor:	N/A
Final 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	

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PCB's in Soil Field Method (Fixed Lab)

Client Sample ID:	S50134-0407	Lab Sample ID:	AC07899
Date of Collection:	7/25/2023	Matrix:	Soil
Date of Preparation:	8/02/2023	Amount Prepared:	N/A
Date of Analysis:	8/05/2023	Percent Solids:	N/A
Dry Weight Prepared:	N/A	Extract Dilution:	1
Wet Weight Prepared:	1.83 grams	pH:	N/A
Volume Extracted:	N/A	GPC Factor:	N/A
Final 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	**0.22**	0.20	
11097-69-1	Aroclor-1254	**0.28**	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	

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PCB's in Soil Field Method (Fixed Lab)

Client Sample ID:	S50134-0409	Lab Sample ID:	AC07900
Date of Collection:	7/25/2023	Matrix:	Soil
Date of Preparation:	8/02/2023	Amount Prepared:	N/A
Date of Analysis:	8/05/2023	Percent Solids:	N/A
Dry Weight Prepared:	N/A	Extract Dilution:	1
Wet Weight Prepared:	2.03 grams	pH:	N/A
Volume Extracted:	N/A	GPC Factor:	N/A
Final 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	**0.21**	0.20	
11097-69-1	Aroclor-1254	**0.26**	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	

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PCB's in Soil Field Method (Fixed Lab)

Client Sample ID:	S50134-0322	Lab Sample ID:	AC07901
Date of Collection:	7/24/2023	Matrix:	Soil
Date of Preparation:	8/02/2023	Amount Prepared:	N/A
Date of Analysis:	8/05/2023	Percent Solids:	N/A
Dry Weight Prepared:	N/A	Extract Dilution:	1
Wet Weight Prepared:	1.97 grams	pH:	N/A
Volume Extracted:	N/A	GPC Factor:	N/A
Final 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	**0.27**	0.20	
11097-69-1	Aroclor-1254	**0.32**	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	

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PCB's in Soil Field Method (Fixed Lab)

Client Sample ID:	S50134-0433	Lab Sample ID:	AC07902
Date of Collection:	7/24/2023	Matrix:	Soil
Date of Preparation:	8/02/2023	Amount Prepared:	N/A
Date of Analysis:	8/05/2023	Percent Solids:	N/A
Dry Weight Prepared:	N/A	Extract Dilution:	1
Wet Weight Prepared:	2.05 grams	pH:	N/A
Volume Extracted:	N/A	GPC Factor:	N/A
Final 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	**0.27**	0.20	
11097-69-1	Aroclor-1254	**0.33**	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	

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PCB's in Soil Field Method (Fixed Lab)

Client Sample ID:	S50134-0314	Lab Sample ID:	AC07903
Date of Collection:	7/24/2023	Matrix:	Soil
Date of Preparation:	8/02/2023	Amount Prepared:	N/A
Date of Analysis:	8/05/2023	Percent Solids:	N/A
Dry Weight Prepared:	N/A	Extract Dilution:	1
Wet Weight Prepared:	2.04 grams	pH:	N/A
Volume Extracted:	N/A	GPC Factor:	N/A
Final 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	**0.49**	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	

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PCB's in Soil Field Method (Fixed Lab)

Client Sample ID:	S50134-0307	Lab Sample ID:	AC07904
Date of Collection:	7/24/2023	Matrix:	Soil
Date of Preparation:	8/02/2023	Amount Prepared:	N/A
Date of Analysis:	8/05/2023	Percent Solids:	N/A
Dry Weight Prepared:	N/A	Extract Dilution:	1
Wet Weight Prepared:	2.32 grams	pH:	N/A
Volume Extracted:	N/A	GPC Factor:	N/A
Final 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	**0.34**	0.20	
11097-69-1	Aroclor-1254	**0.52**	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	

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PCB's in Soil Field Method (Fixed Lab)

Client Sample ID:	S50134-0304	Lab Sample ID:	AC07905
Date of Collection:	7/24/2023	Matrix:	Soil
Date of Preparation:	8/02/2023	Amount Prepared:	N/A
Date of Analysis:	8/05/2023	Percent Solids:	N/A
Dry Weight Prepared:	N/A	Extract Dilution:	1
Wet Weight Prepared:	2.36 grams	pH:	N/A
Volume Extracted:	N/A	GPC Factor:	N/A
Final 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	**0.20**	0.20	
11097-69-1	Aroclor-1254	**0.25**	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	

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PCB's in Soil Field Method (Fixed Lab)

Client Sample ID:	S50134-0429	Lab Sample ID:	AC07906
Date of Collection:	7/24/2023	Matrix:	Soil
Date of Preparation:	8/02/2023	Amount Prepared:	N/A
Date of Analysis:	8/05/2023	Percent Solids:	N/A
Dry Weight Prepared:	N/A	Extract Dilution:	1
Wet Weight Prepared:	2.46 grams	pH:	N/A
Volume Extracted:	N/A	GPC Factor:	N/A
Final 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	**0.28**	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	

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PCB's in Soil Field Method (Fixed Lab)

Client Sample ID:	S50134-0286	Lab Sample ID:	AC07907
Date of Collection:	7/24/2023	Matrix:	Soil
Date of Preparation:	8/02/2023	Amount Prepared:	N/A
Date of Analysis:	8/05/2023	Percent Solids:	N/A
Dry Weight Prepared:	N/A	Extract Dilution:	1
Wet Weight Prepared:	2.90 grams	pH:	N/A
Volume Extracted:	N/A	GPC Factor:	N/A
Final 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	**0.24**	0.20	
11097-69-1	Aroclor-1254	**0.24**	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	

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PCB's in Soil Field Method (Fixed Lab)

Client Sample ID:	S50134-0427	Lab Sample ID:	AC07908
Date of Collection:	7/25/2023	Matrix:	Soil
Date of Preparation:	8/02/2023	Amount Prepared:	N/A
Date of Analysis:	8/05/2023	Percent Solids:	N/A
Dry Weight Prepared:	N/A	Extract Dilution:	1
Wet Weight Prepared:	1.74 grams	pH:	N/A
Volume Extracted:	N/A	GPC Factor:	N/A
Final 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	**0.71**	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	

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PCB's in Soil Field Method (Fixed Lab)

Client Sample ID:	S50134-0283	Lab Sample ID:	AC07909
Date of Collection:	7/24/2023	Matrix:	Soil
Date of Preparation:	8/02/2023	Amount Prepared:	N/A
Date of Analysis:	8/05/2023	Percent Solids:	N/A
Dry Weight Prepared:	N/A	Extract Dilution:	1
Wet Weight Prepared:	1.95 grams	pH:	N/A
Volume Extracted:	N/A	GPC Factor:	N/A
Final 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	**0.56**	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	

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PCB's in Soil Field Method (Fixed Lab)

Client Sample ID:	S50134-0296	Lab Sample ID:	AC07910
Date of Collection:	7/24/2023	Matrix:	Soil
Date of Preparation:	8/02/2023	Amount Prepared:	N/A
Date of Analysis:	8/05/2023	Percent Solids:	N/A
Dry Weight Prepared:	N/A	Extract Dilution:	1
Wet Weight Prepared:	2.22 grams	pH:	N/A
Volume Extracted:	N/A	GPC Factor:	N/A
Final 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	**0.22**	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	

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PCB's in Soil Field Method (Fixed Lab)

Client Sample ID:	S50134-0299	Lab Sample ID:	AC07911
Date of Collection:	7/24/2023	Matrix:	Soil
Date of Preparation:	8/02/2023	Amount Prepared:	N/A
Date of Analysis:	8/05/2023	Percent Solids:	N/A
Dry Weight Prepared:	N/A	Extract Dilution:	1
Wet Weight Prepared:	1.98 grams	pH:	N/A
Volume Extracted:	N/A	GPC Factor:	N/A
Final 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	**0.44**	0.20	
11097-69-1	Aroclor-1254	**0.54**	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	

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PCB's in Soil Field Method (Fixed Lab)

Client Sample ID:	S50134-0188	Lab Sample ID:	AC07912
Date of Collection:	7/21/2023	Matrix:	Soil
Date of Preparation:	8/02/2023	Amount Prepared:	N/A
Date of Analysis:	8/05/2023	Percent Solids:	N/A
Dry Weight Prepared:	N/A	Extract Dilution:	1
Wet Weight Prepared:	1.94 grams	pH:	N/A
Volume Extracted:	N/A	GPC Factor:	N/A
Final 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	**0.97**	0.20	
11097-69-1	Aroclor-1254	**0.78**	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	

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PCB's in Soil Field Method (Fixed Lab)

Client Sample ID:	S50134-0189	Lab Sample ID:	AC07913
Date of Collection:	7/21/2023	Matrix:	Soil
Date of Preparation:	8/02/2023	Amount Prepared:	N/A
Date of Analysis:	8/05/2023	Percent Solids:	N/A
Dry Weight Prepared:	N/A	Extract Dilution:	1
Wet Weight Prepared:	2.07 grams	pH:	N/A
Volume Extracted:	N/A	GPC Factor:	N/A
Final 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	**0.50**	0.20	
11097-69-1	Aroclor-1254	**0.56**	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	

Riverside Square PCB - Boston, MA

PCB's in Soil Field Method (Fixed Lab)

Client Sample ID:	S50134-0190	Lab Sample ID:	AC07914
Date of Collection:	7/21/2023	Matrix:	Soil
Date of Preparation:	8/02/2023	Amount Prepared:	N/A
Date of Analysis:	8/05/2023	Percent Solids:	N/A
Dry Weight Prepared:	N/A	Extract Dilution:	1
Wet Weight Prepared:	1.81 grams	pH:	N/A
Volume Extracted:	N/A	GPC Factor:	N/A
Final 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	**0.54**	0.20	
11097-69-1	Aroclor-1254	**0.80**	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	

Riverside Square PCB - Boston, MA

PCB's in Soil Field Method (Fixed Lab)

Client Sample ID:	S50134-0191	Lab Sample ID:	AC07915
Date of Collection:	7/21/2023	Matrix:	Soil
Date of Preparation:	8/02/2023	Amount Prepared:	N/A
Date of Analysis:	8/05/2023	Percent Solids:	N/A
Dry Weight Prepared:	N/A	Extract Dilution:	1
Wet Weight Prepared:	1.68 grams	pH:	N/A
Volume Extracted:	N/A	GPC Factor:	N/A
Final 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	**0.54**	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	

Riverside Square PCB - Boston, MA

PCB's in Soil Field Method (Fixed Lab)

Client Sample ID:	S50134-0192	Lab Sample ID:	AC07916
Date of Collection:	7/21/2023	Matrix:	Soil
Date of Preparation:	8/02/2023	Amount Prepared:	N/A
Date of Analysis:	8/05/2023	Percent Solids:	N/A
Dry Weight Prepared:	N/A	Extract Dilution:	1
Wet Weight Prepared:	1.83 grams	pH:	N/A
Volume Extracted:	N/A	GPC Factor:	N/A
Final 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	**0.33**	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	

Riverside Square PCB - Boston, MA

PCB's in Soil Field Method (Fixed Lab)

Client Sample ID:	S50134-0193	Lab Sample ID:	AC07917
Date of Collection:	7/21/2023	Matrix:	Soil
Date of Preparation:	8/02/2023	Amount Prepared:	N/A
Date of Analysis:	8/05/2023	Percent Solids:	N/A
Dry Weight Prepared:	N/A	Extract Dilution:	1
Wet Weight Prepared:	2.07 grams	pH:	N/A
Volume Extracted:	N/A	GPC Factor:	N/A
Final 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	**0.38**	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	

Riverside Square PCB - Boston, MA

PCB's in Soil Field Method (Fixed Lab)

Client Sample ID:	S50134-0194	Lab Sample ID:	AC07918
Date of Collection:	7/21/2023	Matrix:	Soil
Date of Preparation:	8/02/2023	Amount Prepared:	N/A
Date of Analysis:	8/05/2023	Percent Solids:	N/A
Dry Weight Prepared:	N/A	Extract Dilution:	1
Wet Weight Prepared:	2.07 grams	pH:	N/A
Volume Extracted:	N/A	GPC Factor:	N/A
Final 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	**0.70**	0.20	
11097-69-1	Aroclor-1254	**0.64**	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	

Riverside Square PCB - Boston, MA

PCB's in Soil Field Method (Fixed Lab)

Client Sample ID:	S50134-0195	Lab Sample ID:	AC07919
Date of Collection:	7/21/2023	Matrix:	Soil
Date of Preparation:	8/02/2023	Amount Prepared:	N/A
Date of Analysis:	8/05/2023	Percent Solids:	N/A
Dry Weight Prepared:	N/A	Extract Dilution:	1
Wet Weight Prepared:	1.95 grams	pH:	N/A
Volume Extracted:	N/A	GPC Factor:	N/A
Final 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	**1.0**	0.20	
11097-69-1	Aroclor-1254	**0.77**	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	

Riverside Square PCB - Boston, MA

PCB's in Soil Field Method (Fixed Lab)

Client Sample ID:	S50134-0196	Lab Sample ID:	AC07920
Date of Collection:	7/21/2023	Matrix:	Soil
Date of Preparation:	8/02/2023	Amount Prepared:	N/A
Date of Analysis:	8/05/2023	Percent Solids:	N/A
Dry Weight Prepared:	N/A	Extract Dilution:	1
Wet Weight Prepared:	1.68 grams	pH:	N/A
Volume Extracted:	N/A	GPC Factor:	N/A
Final 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	**1.2**	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	

Riverside Square PCB - Boston, MA

PCB's in Soil Field Method (Fixed Lab)

Client Sample ID:	S50134-0248	Lab Sample ID:	AC07921
Date of Collection:	7/21/2023	Matrix:	Soil
Date of Preparation:	8/02/2023	Amount Prepared:	N/A
Date of Analysis:	8/05/2023	Percent Solids:	N/A
Dry Weight Prepared:	N/A	Extract Dilution:	1
Wet Weight Prepared:	1.95 grams	pH:	N/A
Volume Extracted:	N/A	GPC Factor:	N/A
Final 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	**0.48**	0.20	
11097-69-1	Aroclor-1254	**0.58**	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	

Riverside Square PCB - Boston, MA

PCB's in Soil Field Method (Fixed Lab)

Client Sample ID:	S50134-0197	Lab Sample ID:	AC07922
Date of Collection:	7/21/2023	Matrix:	Soil
Date of Preparation:	8/02/2023	Amount Prepared:	N/A
Date of Analysis:	8/05/2023	Percent Solids:	N/A
Dry Weight Prepared:	N/A	Extract Dilution:	1
Wet Weight Prepared:	2.68 grams	pH:	N/A
Volume Extracted:	N/A	GPC Factor:	N/A
Final 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	**0.24**	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	

Riverside Square PCB - Boston, MA

PCB's in Soil Field Method (Fixed Lab)

Client Sample ID:	S50134-0198	Lab Sample ID:	AC07923
Date of Collection:	7/21/2023	Matrix:	Soil
Date of Preparation:	8/02/2023	Amount Prepared:	N/A
Date of Analysis:	8/05/2023	Percent Solids:	N/A
Dry Weight Prepared:	N/A	Extract Dilution:	1
Wet Weight Prepared:	1.91 grams	pH:	N/A
Volume Extracted:	N/A	GPC Factor:	N/A
Final 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	**0.40**	0.20	
11097-69-1	Aroclor-1254	**0.39**	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	

Riverside Square PCB - Boston, MA

Laboratory Duplicate Results

Sample ID: AC07891

PARAMETER	SAMPLE RESULT mg/Kg	SAMPLE DUPLICATE RESULT mg/Kg	PRECISION RPD %	QC LIMITS
Aroclor-1242	ND	ND	NC	50
Aroclor-1248	ND	ND	NC	50
Aroclor-1254	0.73	0.64	13	50
Aroclor-1260	ND	ND	NC	50
Aroclor-1262	ND	ND	NC	50
Aroclor-1268	ND	ND	NC	50

Laboratory Duplicate Results

Sample ID: AC07897

PARAMETER	SAMPLE RESULT mg/Kg	SAMPLE DUPLICATE RESULT mg/Kg	PRECISION RPD %	QC LIMITS
Aroclor-1242	ND	ND	NC	50
Aroclor-1248	0.22	0.19	15	50
Aroclor-1254	0.41	0.37	10	50
Aroclor-1260	ND	ND	NC	50
Aroclor-1262	ND	ND	NC	50
Aroclor-1268	ND	ND	NC	50

Laboratory Duplicate Results

Sample ID: AC07908

PARAMETER	SAMPLE RESULT mg/Kg	SAMPLE DUPLICATE RESULT mg/Kg	PRECISION RPD %	QC LIMITS
Aroclor-1242	ND	ND	NC	50
Aroclor-1248	ND	ND	NC	50
Aroclor-1254	0.71	0.71	0.0	50
Aroclor-1260	ND	ND	NC	50
Aroclor-1262	ND	ND	NC	50
Aroclor-1268	ND	ND	NC	50

Laboratory Duplicate Results

Sample ID: AC07919

PARAMETER	SAMPLE RESULT mg/Kg	SAMPLE DUPLICATE RESULT mg/Kg	PRECISION RPD %	QC LIMITS
Aroclor-1242	ND	ND	NC	50
Aroclor-1248	1.0	0.97	3.0	50
Aroclor-1254	0.77	0.89	14	50
Aroclor-1260	ND	ND	NC	50
Aroclor-1262	ND	ND	NC	50

Riverside Square PCB - Boston, MA

Laboratory Duplicate Results

Sample ID: AC07919

PARAMETER	SAMPLE RESULT mg/Kg	SAMPLE DUPLICATE RESULT mg/Kg	PRECISION RPD %	QC LIMITS
Aroclor-1268	ND	ND	NC	50

Samples in Batch: AC07882, AC07883, AC07884, AC07885, AC07886, AC07887, AC07888, AC07889, AC07890, AC07891, AC07892, AC07893, AC07894, AC07895, AC07896, AC07897, AC07898, AC07899, AC07900, AC07901, AC07902, AC07903, AC07904, AC07905, AC07906, AC07907, AC07908, AC07909, AC07910, AC07911, AC07912, AC07913, AC07914, AC07915, AC07916, AC07917, AC07918, AC07919, AC07920, AC07921, AC07922, AC07923

 PN: 23070043

USEPA
WESTON/START
101 Billerica Ave
N Billerica, MA

CHAIN OF CUSTODY RECORD
Site #: S50134MA
Contact Name: Bonnie Mace
Contact Phone: 978-621-1213

No: 1-072323-151844-0003
Riverside Sq PCB
Lab: LSASD/OEME
Lab Phone: 617-918-8490

Lab #	Sample #	Location	Sub Location	Analyses	Matrix	Sample Date	Sample Time	Numb Cont	Container	Preservative	Lab QC
	S50134MA-0418	RB-03		PCBs	water	7/20/2023	16:00	2	1 L Amber	4 C	N
	S50134MA-0418	RB-03		Metals	water	7/20/2023	16:00	1	500 ml poly	4C	N
	S50134MA-0419	RB-04		Metals	water	7/21/2023	16:00	1	500 ml poly	4C	N
	S50134MA-0419	RB-04		PCBs	water	7/21/2023	16:00	2	1 L Amber	4 C	N
	S50134MA-0420	RB-05		Metals	water	7/24/2023	16:00	1	500 ml poly	4C	N
	S50134MA-0420	RB-05		PCBs	water	7/24/2023	16:00	2	1 L Amber	4 C	N
	S50134MA-0421	RB-06		Metals	water	7/25/2023	16:00	1	500 ml poly	4C	N
	S50134MA-0421	RB-06		PCBs	water	7/25/2023	16:00	2	1 L Amber	4 C	N
	S50134MA-0422	RB-07		Metals	water	7/26/2023	16:00	1	500 ml poly	4C	N
	S50134MA-0422	RB-07		PCBs	water	7/26/2023	16:00	2	1 L Amber	4 C	N
	S50134MA-0431	AA-000	A	PCBs	soil	7/25/2023	09:40	1	poly bag	4C	N
	S50134MA-0410	AA-025	A	PCBs	soil	7/25/2023	14:30	1	poly bag	4C	N
	S50134MA-0412	AA-050	A	PCBs	soil	7/25/2023	14:35	1	poly bag	4C	N
	S50134MA-0374	AA-075	A	PCBs	soil	7/24/2023	15:02	1	poly bag	4C	N
	S50134MA-0340	B-000	A	PCBs	soil	7/24/2023	12:02	1	poly bag	4C	N
X	~~S50134MA-0379~~	~~B-225~~	~~A~~	~~PCBs~~	~~soil~~	~~7/26/2023~~	~~09:55~~	~~1~~	~~poly bag~~	~~4C~~	~~N~~
	S50134MA-0380	B-250	A	PCBs	soil	7/25/2023	09:55	1	poly bag	4C	N
	S50134MA-0383	B-250	B	PCBs	soil	7/25/2023	10:05	1	poly bag	4C	N
	S50134MA-0377	B-275	A	PCBs	soil	7/25/2023	09:40	1	poly bag	4C	N

CA 7/31/23

Special Instructions: PLEASE SELECT 20% OF FIELD SCREENED PCB SAMPLES FOR CONFIRMATORY PCB ANALYSIS AND METALS ANALYSIS. ALL SAMPLES WERE ALSO FIELD SCREENED VIA XRF BY START PERSONNEL. THANKS!!!

SAMPLES TRANSFERRED FROM
CHAIN OF CUSTODY #

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
	[signature]	7/31/23 1230hrs	[signature] ESAT	7-31-23 12:30	

 PN: 23070043

USEPA
WESTON/START
101 Billerica Ave
N Billerica, MA

CHAIN OF CUSTODY RECORD
Site #: S50134MA
Contact Name: Bonnie Mace
Contact Phone: 978-621-1213

No: 1-072323-151844-0003
Riverside Sq PCB
Lab: LSASD/OEME
Lab Phone: 617-918-8490

Lab #	Sample #	Location	Sub Location	Analyses	Matrix	Sample Date	Sample Time	Numb Cont	Container	Preservative	Lab QC
	S50134MA-0378	B-275	B	PCBs	soil	7/25/2023	09:50	1	poly bag	4C	N
	S50134MA-0436	B-275	D	PCBs	soil	7/25/2023	09:40	1	poly bag	4C	N
	S50134MA-0353	BB-025	A	PCBs	soil	7/24/2023	14:00	1	poly bag	4C	N
	S50134MA-0365	BB-050	A	PCBs	soil	7/24/2023	14:25	1	poly bag	4C	N
	S50134MA-0349	BB-075	A	PCBs	soil	7/24/2023	13:35	1	poly bag	4C	N
	S50134MA-0372	BB-125	A	PCBs	soil	7/24/2023	14:55	1	poly bag	4C	N
	S50134MA-0332	C-000	A	PCBs	soil	7/24/2023	11:46	1	poly bag	4C	N
	S50134MA-0386	C-225	A	PCBs	soil	7/25/2023	10:25	1	poly bag	4C	N
	S50134MA-0425	C-250	A	PCBs	soil	7/25/2023	09:30	1	poly bag	4C	N
	S50134MA-0397	C-275	A	PCBs	soil	7/25/2023	11:42	1	poly bag	4C	N
	S50134MA-0399	C-275	B	PCBs	soil	7/25/2023	11:47	1	poly bag	4C	N
	S50134MA-0400	C-300	A	PCBs	soil	7/25/2023	11:48	1	poly bag	4C	N
	S50134MA-0345	CC-025	A	PCBs	soil	7/24/2023	13:30	1	poly bag	4C	N
	S50134MA-0355	CC-050	A	PCBs	soil	7/24/2023	14:05	1	poly bag	4C	N
	S50134MA-0350	CC-075	A	PCBs	soil	7/24/2023	13:35	1	poly bag	4C	N
	S50134MA-0358	CC-075	B	PCBs	soil	7/24/2023	14:10	1	poly bag	4C	N
	S50134MA-0368	CC-150	A	PCBs	soil	7/24/2023	14:45	1	poly bag	4C	N
	S50134MA-0326	D-000	A	PCBs	soil	7/24/2023	11:38	1	poly bag	4C	N
	S50134MA-0366	D-175	A	PCBs	soil	7/24/2023	10:40	1	poly bag	4C	N

Special Instructions: PLEASE SELECT 20% OF FIELD SCREENED PCB SAMPLES FOR CONFIRMATORY PCB ANALYSIS AND METALS ANALYSIS. ALL SAMPLES WERE ALSO FIELD SCREENED VIA XRF BY START PERSONNEL. THANKS!!!

SAMPLES TRANSFERRED FROM
CHAIN OF CUSTODY #

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
	[signature]	7/31/23 1230 hrs	[signature] ESAT	7-31-23 12:30	

 PN: 23070043

USEPA
WESTON/START
101 Billerica Ave
N Billerica, MA

CHAIN OF CUSTODY RECORD
Site #: S50134MA
Contact Name: Bonnie Mace
Contact Phone: 978-621-1213

No: 1-072323-151844-0003
Riverside Sq PCB
Lab: LSASD/OEME
Lab Phone: 617-918-8490

Lab #	Sample #	Location	Sub Location	Analyses	Matrix	Sample Date	Sample Time	Numb Cont	Container	Preservative	Lab QC
	S50134MA-0398	D-200	A	PCBs	soil	7/25/2023	11:45	1	poly bag	4C	N
	S50134MA-0389	D-225	A	PCBs	soil	7/25/2023	10:40	1	poly bag	4C	N
	S50134MA-0376	D-250	A	PCBs	soil	7/25/2023	09:36	1	poly bag	4C	N
	S50134MA-0387	D-275	A	PCBs	soil	7/25/2023	10:30	1	poly bag	4C	N
	S50134MA-0396	D-300	A	PCBs	soil	7/25/2023	11:30	1	poly bag	4C	N
	S50134MA-0382	D-325	A	PCBs	soil	7/25/2023	10:01	1	poly bag	4C	N
	S50134MA-0384	D-325	B	PCBs	soil	7/25/2023	10:10	1	poly bag	4C	N
	S50134MA-0390	D-350	A	PCBs	soil	7/25/2023	10:55	1	poly bag	4C	N
	S50134MA-0391	D-375	A	PCBs	soil	7/25/2023	10:55	1	poly bag	4C	N
	S50134MA-0394	D-375	B	PCBs	soil	7/25/2023	11:05	1	poly bag	4C	N
	S50134MA-0392	D-400	A	PCBs	soil	7/25/2023	11:00	1	poly bag	4C	N
	S50134MA-0395	D-400	B	PCBs	soil	7/25/2023	11:11	1	poly bag	4C	N
	S50134MA-0151	D-425	A	PCBs	soil	7/20/2023	12:44	1	poly bag	4C	N
	S50134MA-0152	D-450	A	PCBs	soil	7/20/2023	14:11	1	poly bag	4C	N
	S50134MA-0153	D-450	B	PCBs	soil	7/20/2023	14:14	1	poly bag	4C	N
	S50134MA-0417	D-475	A	PCBs	soil	7/26/2023	10:25	1	poly bag	4C	N
	S50134MA-0154	D-525	A	PCBs	soil	7/20/2023	11:55	1	poly bag	4C	N
	S50134MA-0434	D-550	A	PCBs	soil	7/20/2023	11:30	1	poly bag	4C	N
	S50134MA-0435	DD-025	A	PCBs	Soil	7/24/2023	13:45	1	poly bag	4 C	N

Special Instructions: PLEASE SELECT 20% OF FIELD SCREENED PCB SAMPLES FOR CONFIRMATORY PCB ANALYSIS AND METALS ANALYSIS. ALL SAMPLES WERE ALSO FIELD SCREENED VIA XRF BY START PERSONNEL. THANKS!!!

SAMPLES TRANSFERRED FROM
CHAIN OF CUSTODY #

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
	[signature]	7/31/23 1230 hrs	[signature] ESAT	7-31-23 12:30	

 PN: 23070044

USEPA
WESTON/START
101 Billerica Ave
N Billerica, MA

CHAIN OF CUSTODY RECORD
Site #: S50134MA
Contact Name: Bonnie Mace
Contact Phone: 978-621-1213

No: 1-072323-151844-0003
Riverside Sq PCB
Lab: LSASD/OEME
Lab Phone: 617-918-8490

Lab #	Sample #	Location	Sub Location	Analyses	Matrix	Sample Date	Sample Time	Numb Cont	Container	Preservative	Lab QC
	S50134MA-0371	DD-150	A	PCBs	soil	7/24/2023	14:45	1	poly bag	4C	N
	S50134MA-0367	DD-175	A	PCBs	soil	7/24/2023	14:30	1	poly bag	4C	N
	S50134MA-0426	DD-200	A	PCBs	soil	7/25/2023	13:45	1	poly bag	4C	N
	S50134MA-0325	E-000	A	PCBs	soil	7/24/2023	11:34	1	poly bag	4C	N
	S50134MA-0321	E-100	A	PCBs	soil	7/24/2023	11:20	1	poly bag	4C	N
	S50134MA-0311	E-125	A	PCBs	soil	7/24/2023	10:50	1	poly bag	4C	N
	S50134MA-0300	E-150	A	PCBs	soil	7/24/2023	10:20	1	poly bag	4C	N
	S50134MA-0430	E-175	A	PCBs	soil	7/24/2023	10:05	1	poly bag	4C	N
	S50134MA-0285	E-200	A	PCBs	soil	7/24/2023	09:40	1	poly bag	4C	N
	S50134MA-0279	E-225	A	PCBs	soil	7/24/2023	09:25	1	poly bag	4C	N
	S50134MA-0177	E-250	A	PCBs	soil	7/21/2023	14:05	1	poly bag	4C	N
	S50134MA-0275	E-275	A	PCBs	soil	7/24/2023	09:15	1	poly bag	4C	N
	S50134MA-0385	E-325	A	PCBs	soil	7/25/2023	10:20	1	poly bag	4C	N
	S50134MA-0388	E-350	A	PCBs	soil	7/25/2023	10:35	1	poly bag	4C	N
	S50134MA-0393	E-375	A	PCBs	soil	7/25/2023	11:00	1	poly bag	4C	N
	S50134MA-0155	E-400	A	PCBs	soil	7/20/2023	12:18	1	poly bag	4C	N
	S50134MA-0156	E-425	A	PCBs	soil	7/20/2023	12:10	1	poly bag	4C	N
	S50134MA-0157	E-425	B	PCBs	soil	7/20/2023	12:30	1	poly bag	4C	N
	S50134MA-0158	E-450	A	PCBs	soil	7/20/2023	14:15	1	poly bag	4C	N

Special Instructions: PLEASE SELECT 20% OF FIELD SCREENED PCB SAMPLES FOR CONFIRMATORY PCB ANALYSIS AND METALS ANALYSIS. ALL SAMPLES WERE ALSO FIELD SCREENED VIA XRF BY START PERSONNEL. THANKS!!!

SAMPLES TRANSFERRED FROM
CHAIN OF CUSTODY #

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
	[signature]	7/31/23 1230 hrs	[signature] ESAT	7-31-23 12:30	

PN. 12307004

USEPA
WESTON/START
101 Billerica Ave
N Billerica, MA

CHAIN OF CUSTODY RECORD
Site #: S50134MA
Contact Name: Bonnie Mace
Contact Phone: 978-621-1213

No: 1-072323-151844-0003
Riverside Sq PCB
Lab: LSASD/OEME
Lab Phone: 617-918-8490

Lab #	Sample #	Location	Sub Location	Analyses	Matrix	Sample Date	Sample Time	Numb Cont	Container	Preservative	Lab QC
	S50134MA-0159	E-475	A	PCBs	soil	7/20/2023	14:10	1	poly bag	4C	N
	S50134MA-0160	E-475	B	PCBs	soil	7/20/2023	14:20	1	poly bag	4C	N
	S50134MA-0161	E-500	A	PCBs	soil	7/20/2023	11:45	1	poly bag	4C	N
	S50134MA-0162	E-500	B	PCBs	soil	7/20/2023	11:55	1	poly bag	4C	N
	S50134MA-0432	E-525	A	PCBs	soil	7/20/2023	11:08	1	poly bag	4C	N
	S50134MA-0163	E-550	A	PCBs	soil	7/20/2023	10:43	1	poly bag	4C	N
	S50134MA-0336	EE-025	A	PCBs	soil	7/24/2023	11:55	1	poly bag	4C	N
	S50134MA-0338	EE-050	A	PCBs	soil	7/24/2023	11:55	1	poly bag	4C	N
	S50134MA-0347	EE-075	A	PCBs	soil	7/24/2023	13:31	1	poly bag	4C	N
	S50134MA-0360	EE-150	A	PCBs	soil	7/24/2023	14:15	1	poly bag	4C	N
	S50134MA-0357	EE-175	A	PCBs	soil	7/24/2023	14:07	1	poly bag	4C	N
	S50134MA-0362	EE-175	B	PCBs	soil	7/24/2023	14:15	1	poly bag	4C	N
	S50134MA-0413	EE-200	A	PCBs	soil	7/25/2023	13:40	1	poly bag	4C	N
X	~~S50134MA-0281~~	~~EE-225~~	~~A~~	~~PCBs~~	~~soil~~	~~7/24/2023~~	~~09:25~~	~~1~~	~~poly bag~~	~~4C~~	~~N~~
	S50134MA-0437	EE-225	D	PCBs	soil	7/24/2023	09:25	1	poly bag	4C	N
	S50134MA-0404	EE-250	A	PCBs	soil	7/25/2023	14:00	1	poly bag	4C	N
	S50134MA-0408	EE-275	A	PCBs	soil	7/25/2023	14:15	1	poly bag	4C	N
	S50134MA-0319	F-000	A	PCBs	soil	7/24/2023	11:17	1	poly bag	4C	N
	S50134MA-0317	F-050	A	PCBs	soil	7/24/2023	11:11	1	poly bag	4C	N

TL

Special Instructions: PLEASE SELECT 20% OF FIELD SCREENED PCB SAMPLES FOR CONFIRMATORY PCB ANALYSIS AND METALS ANALYSIS. ALL SAMPLES WERE ALSO FIELD SCREENED VIA XRF BY START PERSONNEL. THANKS!!!

SAMPLES TRANSFERRED FROM
CHAIN OF CUSTODY #

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
	[signature]	7/31/23 1230 hrs	[signature] ESAT	7-31-23 12:30	

USEPA
WESTON/START
101 Billerica Ave
N Billerica, MA

CHAIN OF CUSTODY RECORD
Site #: S50134MA
Contact Name: Bonnie Mace
Contact Phone: 978-621-1213

No: 1-072323-151844-0003
Riverside Sq PCB
Lab: LSASD/OEME
Lab Phone: 617-918-8490

PN: 23070044

Lab #	Sample #	Location	Sub Location	Analyses	Matrix	Sample Date	Sample Time	Numb Cont	Container	Preservative	Lab QC
	S50134MA-0308	F-075	A	PCBs	soil	7/24/2023	10:48	1	poly bag	4C	N
	S50134MA-0313	F-100	A	PCBs	soil	7/24/2023	11:05	1	poly bag	4C	N
	S50134MA-0302	F-125	A	PCBs	soil	7/24/2023	10:23	1	poly bag	4C	N
	S50134MA-0295	F-150	A	PCBs	soil	7/24/2023	10:05	1	poly bag	4C	N
	S50134MA-0293	F-175	A	PCBs	soil	7/24/2023	09:50	1	poly bag	4C	N
	S50134MA-0428	F-200	A	PCBs	soil	7/24/2023	10:10	1	poly bag	4C	N
	S50134MA-0289	F-225	A	PCBs	soil	7/24/2023	09:43	1	poly bag	4C	N
	S50134MA-0178	F-250	A	PCBs	soil	7/21/2023	13:30	1	poly bag	4C	N
	S50134MA-0179	F-275	A	PCBs	soil	7/21/2023	13:45	1	poly bag	4C	N
	S50134MA-0180	F-300	A	PCBs	soil	7/21/2023	11:40	1	poly bag	4C	N
	S50134MA-0181	F-300	B	PCBs	soil	7/21/2023	11:50	1	poly bag	4C	N
	S50134MA-0182	F-325	A	PCBs	soil	7/21/2023	11:15	1	poly bag	4C	N
	S50134MA-0183	F-350	A	PCBs	soil	7/21/2023	10:58	1	poly bag	4C	N
	S50134MA-0184	F-375	A	PCBs	soil	7/21/2023	10:20	1	poly bag	4C	N
	S50134MA-0185	F-400	A	PCBs	soil	7/21/2023	11:00	1	poly bag	4C	N
	S50134MA-0186	F-400	B	PCBs	soil	7/21/2023	11:08	1	poly bag	4C	N
	S50134MA-0187	F-425	A	PCBs	soil	7/21/2023	10:18	1	poly bag	4C	N
	S50134MA-0164	F-450	A	PCBs	soil	7/20/2023	12:02	1	poly bag	4C	N
	S50134MA-0165	F-450	B	PCBs	soil	7/20/2023	12:24	1	poly bag	4C	N

PN: 23070045

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SAMPLES TRANSFERRED FROM CHAIN OF CUSTODY #

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
	[signature]	7/31/23 1230 hrs	[signature] ESAT	7-31-23 12:30	

PN: 23070045

USEPA
WESTON/START
101 Billerica Ave
N Billerica, MA

CHAIN OF CUSTODY RECORD
Site #: S50134MA
Contact Name: Bonnie Mace
Contact Phone: 978-621-1213

No: 1-072323-151844-0003
Riverside Sq PCB
Lab: LSASD/OEME
Lab Phone: 617-918-8490

Lab #	Sample #	Location	Sub Location	Analyses	Matrix	Sample Date	Sample Time	Numb Cont	Container	Preservative	Lab QC
	S50134MA-0166	F-475	A	PCBs	soil	7/20/2023	11:47	1	poly bag	4C	N
	S50134MA-0167	F-500	A	PCBs	soil	7/20/2023	11:21	1	poly bag	4C	N
	S50134MA-0168	F-525	A	PCBs	soil	7/20/2023	10:55	1	poly bag	4C	N
	S50134MA-0169	F-550	A	PCBs	soil	7/20/2023	10:30	1	poly bag	4C	N
	S50134MA-0330	FF-025	A	PCBs	soil	7/24/2023	11:45	1	poly bag	4C	N
	S50134MA-0335	FF-050	A	PCBs	soil	7/24/2023	11:50	1	poly bag	4C	N
	S50134MA-0309	FF-075	A	PCBs	soil	7/24/2023	13:30	1	poly bag	4C	N
	~~S50134MA-0343~~	~~FF-075~~	~~B~~	~~PCBs~~	~~soil~~	~~7/24/2023~~	~~13:05~~	~~1~~	~~poly bag~~	~~4C~~	~~N~~
	S50134MA-0403	FF-150	A	PCBs	soil	7/25/2023	13:45	1	poly bag	4C	N
	S50134MA-0401	FF-175	A	PCBs	soil	7/25/2023	13:40	1	poly bag	4C	N
	S50134MA-0402	FF-200	A	PCBs	soil	7/25/2023	13:40	1	poly bag	4C	N
	S50134MA-0405	FF-225	A	PCBs	soil	7/25/2023	14:00	1	poly bag	4C	N
	S50134MA-0407	FF-250	A	PCBs	soil	7/25/2023	14:10	1	poly bag	4C	N
	S50134MA-0409	FF-250	B	PCBs	soil	7/25/2023	14:20	1	poly bag	4C	N
	S50134MA-0322	G-000	A	PCBs	soil	7/24/2023	11:27	1	poly bag	4C	N
	S50134MA-0433	G-025	A	PCBs	soil	7/24/2023	11:30	1	poly bag	4C	N
	S50134MA-0314	G-050	A	PCBs	soil	7/24/2023	11:10	1	poly bag	4C	N
	S50134MA-0307	G-075	A	PCBs	soil	7/24/2023	10:45	1	poly bag	4C	N
	S50134MA-0304	G-100	A	PCBs	soil	7/24/2023	10:35	1	poly bag	4C	N

JL 7/31/23

Special Instructions: PLEASE SELECT 20% OF FIELD SCREENED PCB SAMPLES FOR CONFIRMATORY PCB ANALYSIS AND METALS ANALYSIS. ALL SAMPLES WERE ALSO FIELD SCREENED VIA XRF BY START PERSONNEL. THANKS!!!

SAMPLES TRANSFERRED FROM
CHAIN OF CUSTODY #

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
	[signature]	7/31/23 1230 hrs	[signature] ESM	7-31-23 12:30	

 PN :23070045

USEPA
WESTON/START
101 Billerica Ave
N Billerica, MA

CHAIN OF CUSTODY RECORD
Site #: S50134MA
Contact Name: Bonnie Mace
Contact Phone: 978-621-1213

No: 1-072323-151844-0003
Riverside Sq PCB
Lab: LSASD/OEME
Lab Phone: 617-918-8490

Lab #	Sample #	Location	Sub Location	Analyses	Matrix	Sample Date	Sample Time	Numb Cont	Container	Preservative	Lab QC
	S50134MA-0429	G-125	A	PCBs	soil	7/24/2023	09:49	1	poly bag	4C	N
	S50134MA-0286	G-150	A	PCBs	soil	7/24/2023	09:40	1	poly bag	4C	N
	S50134MA-0427	G-175	A	PCBs	soil	7/25/2023	09:45	1	poly bag	4C	N
	S50134MA-0283	G-200	A	PCBs	soil	7/24/2023	09:31	1	poly bag	4C	N
	S50134MA-0296	G-225	A	PCBs	soil	7/24/2023	10:10	1	poly bag	4C	N
	S50134MA-0299	G-225	B	PCBs	soil	7/24/2023	10:15	1	poly bag	4C	N
	S50134MA-0188	G-250	A	PCBs	soil	7/21/2023	13:35	1	poly bag	4C	N
	S50134MA-0189	G-275	A	PCBs	soil	7/21/2023	13:30	1	poly bag	4C	N
	S50134MA-0190	G-300	A	PCBs	soil	7/21/2023	13:10	1	poly bag	4C	N
	S50134MA-0191	G-325	A	PCBs	soil	7/21/2023	11:00	1	poly bag	4C	N
	S50134MA-0192	G-350	A	PCBs	soil	7/21/2023	10:42	1	poly bag	4C	N
	S50134MA-0193	G-375	A	PCBs	soil	7/21/2023	10:08	1	poly bag	4C	N
	S50134MA-0194	G-400	A	PCBs	soil	7/21/2023	10:09	1	poly bag	4C	N
X	~~S50134MA-0251~~	~~G-400~~	~~B~~	~~PCBs~~	~~soil~~	~~7/21/2023~~	~~10:07~~	~~1~~	~~poly bag~~	~~4C~~	~~N~~
	S50134MA-0195	G-425	B	PCBs	soil	7/21/2023	09:40	1	poly bag	4C	N
	S50134MA-0196	G-450	A	PCBs	soil	7/21/2023	09:20	1	poly bag	4C	N
	S50134MA-0248	G-475	A	PCBs	soil	7/21/2023	09:40	1	poly bag	4C	N
	S50134MA-0197	G-475	B	PCBs	soil	7/21/2023	09:50	1	poly bag	4C	N
	S50134MA-0198	G-500	A	PCBs	soil	7/21/2023	14:43	1	poly bag	4C	N

JM 7/31/23

Special Instructions: PLEASE SELECT 20% OF FIELD SCREENED PCB SAMPLES FOR CONFIRMATORY PCB ANALYSIS AND METALS ANALYSIS. ALL SAMPLES WERE ALSO FIELD SCREENED VIA XRF BY START PERSONNEL. THANKS!!!

SAMPLES TRANSFERRED FROM
CHAIN OF CUSTODY #

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
	JAy	7/31/23 1230hrs	[illegible] EKT	7-31-23 12:30	

 PN-23070046

USEPA
WESTON/START
101 Billerica Ave
N Billerica, MA

CHAIN OF CUSTODY RECORD
Site #: S50134MA
Contact Name: Bonnie Mace
Contact Phone: 978-621-1213

No: 1-072323-151844-0003
Riverside Sq PCB
Lab: LSASD/OEME
Lab Phone: 617-918-8490

Lab #	Sample #	Location	Sub Location	Analyses	Matrix	Sample Date	Sample Time	Numb Cont	Container	Preservative	Lab QC
	S50134MA-0199	G-525	A	PCBs	soil	7/21/2023	10:08	1	poly bag	4C	N
	S50134MA-0253	G-525	B	PCBs	soil	7/21/2023	10:22	1	poly bag	4C	N
	S50134MA-0200	G-550	A	PCBs	soil	7/21/2023	10:22	1	poly bag	4C	N
	S50134MA-0171	G-675	A	PCBs	soil	7/20/2023	10:26	1	poly bag	4C	N
	S50134MA-0328	GG-025	A	PCBs	soil	7/24/2023	11:40	1	poly bag	4C	N
	S50134MA-0414	H-200	A	PCBs	soil	7/26/2023	09:25	1	poly bag	4C	N
	S50134MA-0278	H-225	A	PCBs	soil	7/24/2023	09:15	1	poly bag	4C	N
	S50134MA-0202	H-250	A	PCBs	soil	7/21/2023	13:15	1	poly bag	4C	N
	S50134MA-0203	H-275	A	PCBs	soil	7/21/2023	13:13	1	poly bag	4C	N
	S50134MA-0204	H-300	A	PCBs	soil	7/21/2023	10:10	1	poly bag	4C	N
	S50134MA-0205	H-325	A	PCBs	soil	7/21/2023	09:46	1	poly bag	4C	N
	S50134MA-0206	H-350	A	PCBs	soil	7/21/2023	09:30	1	poly bag	4C	N
	S50134MA-0207	H-375	A	PCBs	soil	7/21/2023	09:20	1	poly bag	4C	N
	S50134MA-0208	H-400	A	PCBs	soil	7/21/2023	09:10	1	poly bag	4C	N
	S50134MA-0209	H-425	A	PCBs	soil	7/21/2023	09:00	1	poly bag	4C	N
	S50134MA-0415	H-450	A	PCBs	soil	7/26/2023	10:10	1	poly bag	4C	N
	S50134MA-0210	H-475	A	PCBs	soil	7/21/2023	09:33	1	poly bag	4C	N
	S50134MA-0211	H-500	A	PCBs	soil	7/21/2023	08:55	1	poly bag	4C	N
	S50134MA-0212	H-525	A	PCBs	soil	7/21/2023	09:00	1	poly bag	4C	N

Special Instructions: PLEASE SELECT 20% OF FIELD SCREENED PCB SAMPLES FOR CONFIRMATORY PCB ANALYSIS AND METALS ANALYSIS. ALL SAMPLES WERE ALSO FIELD SCREENED VIA XRF BY START PERSONNEL. THANKS!!!

SAMPLES TRANSFERRED FROM CHAIN OF CUSTODY #

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
	[signature]	7/31/23 1230 hr	[signature] START	7-31-23 12:30	

PN: 23070046

USEPA
WESTON/START
101 Billerica Ave
N Billerica, MA

CHAIN OF CUSTODY RECORD
Site #: S50134MA
Contact Name: Bonnie Mace
Contact Phone: 978-621-1213

No: 1-072323-151844-0003
Riverside Sq PCB
Lab: LSASD/OEME
Lab Phone: 617-918-8490

Lab #	Sample #	Location	Sub Location	Analyses	Matrix	Sample Date	Sample Time	Numb Cont	Container	Preservative	Lab QC
	S50134MA-0172	H-550	A	PCBs	soil	7/20/2023	14:15	1	poly bag	4C	N
	S50134MA-0416	H-600	A	PCBs	soil	7/26/2023	10:20	1	poly bag	4C	N
	S50134MA-0173	H-625	A	PCBs	soil	7/20/2023	10:45	1	poly bag	4C	N
	S50134MA-0174	H-625	B	PCBs	soil	7/20/2023	10:59	1	poly bag	4C	N
	S50134MA-0175	H-650	A	PCBs	soil	7/20/2023	10:15	1	poly bag	4C	N
	S50134MA-0176	H-650	B	PCBs	soil	7/20/2023	11:45	1	poly bag	4C	N
	S50134MA-0423	AS2333		PCBs	PE	7/26/2023	16:30	1	2 oz jar	4 C	N
	S50134MA-0424	IS8482		Metals	PE	7/26/2023	16:30	1	2 oz jar	4 C	N
	S50134MA-0381	E-300 A		PCB		7/25/2023	10:00	1	poly bag	4C	N

7/31/23

Special Instructions: PLEASE SELECT 20% OF FIELD SCREENED PCB SAMPLES FOR CONFIRMATORY PCB ANALYSIS AND METALS ANALYSIS. ALL SAMPLES WERE ALSO FIELD SCREENED VIA XRF BY START PERSONNEL. THANKS!!!

SAMPLES TRANSFERRED FROM
CHAIN OF CUSTODY #

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
	[signature]	7/31/23 1230hrs	[signature] ESAT	7-31-23 12:30	

US EPA REGION 1
SAMPLE RECEIPT CHECKLIST

PROJ #: 23070043 --> 23070046	RECEIPT DATE: 7-31-2023
SURVEY NAME: RIVERSIDE SQUARE PCB LOCATION: BOSTON, MA	REC'D BY: D. Guzman (ESAT)
OSC/PO: TOM HATZOPOULOS (2-MO)	SITE ID: 01HG SUPERFUND: Y

WERE SAMPLES SHIPPED? N TRACKING #: _____ DATE/SENT: _____ NO. Hand Delivered	
COOLER TEMPERATURE UPON ARRIVAL _____ °C / NA	
CHAIN OF CUSTODY PRESENT?	Y
COMPLETE?	Y
CUSTODY SEALS PRESENT ON COOLER?	N
SAMPLES?	N
WERE SAMPLE CONTAINERS INTACT?	Y
WAS SAMPLE PRESERVATION DOCUMENTED? COC ✓ Sample Container	Y
APPROPRIATE SAMPLES VOLUME FOR REQUESTED ANALYSIS?	Y
SAMPLES AND COC MATCH?	Y
IF ANY PROBLEMS WAS PROJECT MANAGER NOTIFIED? BY WHOM? _____	
APPROPRIATE SAMPLE CONTAINERS?	Y
SAMPLES WITHIN HOLDING TIMES?	Y
ALL ANALYSIS SPECIFIED ON COC?	Y
DATE/TIME OF COLLECTION ON COC	Y
TURN-AROUND TIME: 4 WEEKS	
DECON	

COMMENTS: WATER & SOIL SAMPLES

PN : 23070043
5 $PCBW
5 $METW_PE
46 $FLFPCB

PN : 23070044
50 $FLFPCB

PN : 23070045
42 $FLFPCB

PN : 23070046
27 $FLFPCB

HOLD PE METALS FOR FUTURE CONFIRMATORY ANALYSIS

United States Environmental Protection Agency
Laboratory Services and Applied Science Division
11 Technology Drive
North Chelmsford, MA 01863-2431

Laboratory Report

August 14, 2023

Tom Hatzopoulos (2-MO)
US EPA New England R1

Project Number: 23070046
Project: Riverside Square PCB - Boston, MA
Analysis: PCB's in Soil Field Method (Fixed Lab)
EPA Chemist: Phillip Gudgel

Date Samples Received by the Laboratory: 07/31/2023

Analytical Procedure:

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

Sample preparation and analysis was done following the EPA Region I SOP, LSBSOP-FLDPCB4.

Concentrations of PCBs in soil were calculated using an external standard technique.

Analysis for PCB's performed by this field analytical technique is used for tentative identification and semi-quantitation of PCB's in soil, oil, and sediment samples.

Soil PCB results are based on sample wet weight.

Data were reviewed in accordance with the internal verification procedures described in the EPA New England Quality Manual for NERL.

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 BOUDREAU

Digitally signed by DANIEL BOUDREAU
Date: 2023.08.14 15:36:55 -04'00'

23070046$FLFPCB

Qualifiers:

RL = Reporting limit
ND = Not Detected above Reporting limit
NA = Not Applicable due to high sample dilutions or sample interferences
NC = Not calculated since analyte concentration is ND.
J = Estimated value
J1 = Estimated value due to MS recovery outside accceptance criteria
J2 = Estimated value due to LFB result outside acceptance criteria
J3 = Estimated value due to RPD result outside acceptance criteria
J4 = Estimated value due to LCS result outside acceptance criteria
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.
R = No recovery was calculated since the analyte concentration is greater than four times the spike level.
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.
A = Suspected Aldol condensation product.
N = Tentatively identified compound.
ANR = Analysis not required.

Riverside Square PCB - Boston, MA

PCB's in Soil Field Method (Fixed Lab)

Client Sample ID:	S50134MA-0199	Lab Sample ID:	AC07924
Date of Collection:	7/21/2023	Matrix:	Soil
Date of Preparation:	8/02/2023	Amount Prepared:	N/A
Date of Analysis:	8/05/2023	Percent Solids:	N/A
Dry Weight Prepared:	N/A	Extract Dilution:	1
Wet Weight Prepared:	1.91 grams	pH:	N/A
Volume Extracted:	N/A	GPC Factor:	N/A
Final 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	**0.52**	0.20	
11097-69-1	Aroclor-1254	**0.61**	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	

Riverside Square PCB - Boston, MA

PCB's in Soil Field Method (Fixed Lab)

Client Sample ID:	S50134MA-0253	Lab Sample ID:	AC07925
Date of Collection:	7/21/2023	Matrix:	Soil
Date of Preparation:	8/02/2023	Amount Prepared:	N/A
Date of Analysis:	8/05/2023	Percent Solids:	N/A
Dry Weight Prepared:	N/A	Extract Dilution:	1
Wet Weight Prepared:	2.19 grams	pH:	N/A
Volume Extracted:	N/A	GPC Factor:	N/A
Final 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	**0.43**	0.20	
11097-69-1	Aroclor-1254	**0.47**	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	

Riverside Square PCB - Boston, MA

PCB's in Soil Field Method (Fixed Lab)

Client Sample ID:	S50134MA-0200	Lab Sample ID:	AC07926
Date of Collection:	7/21/2023	Matrix:	Soil
Date of Preparation:	8/02/2023	Amount Prepared:	N/A
Date of Analysis:	8/05/2023	Percent Solids:	N/A
Dry Weight Prepared:	N/A	Extract Dilution:	1
Wet Weight Prepared:	1.71 grams	pH:	N/A
Volume Extracted:	N/A	GPC Factor:	N/A
Final 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	**1.0**	0.20	
11097-69-1	Aroclor-1254	**0.89**	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	

Riverside Square PCB - Boston, MA

PCB's in Soil Field Method (Fixed Lab)

Client Sample ID:	S50134MA-0171	Lab Sample ID:	AC07927
Date of Collection:	7/20/2023	Matrix:	Soil
Date of Preparation:	8/02/2023	Amount Prepared:	N/A
Date of Analysis:	8/05/2023	Percent Solids:	N/A
Dry Weight Prepared:	N/A	Extract Dilution:	1
Wet Weight Prepared:	1.91 grams	pH:	N/A
Volume Extracted:	N/A	GPC Factor:	N/A
Final 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	

Riverside Square PCB - Boston, MA

PCB's in Soil Field Method (Fixed Lab)

Client Sample ID:	S50134MA-0328	Lab Sample ID:	AC07928
Date of Collection:	7/24/2023	Matrix:	Soil
Date of Preparation:	8/02/2023	Amount Prepared:	N/A
Date of Analysis:	8/05/2023	Percent Solids:	N/A
Dry Weight Prepared:	N/A	Extract Dilution:	1
Wet Weight Prepared:	2.12 grams	pH:	N/A
Volume Extracted:	N/A	GPC Factor:	N/A
Final 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	**0.23**	0.20	
11097-69-1	Aroclor-1254	**0.21**	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	

Riverside Square PCB - Boston, MA

Laboratory Blank

Client Sample ID:	N/A	Lab Sample ID:	N/A
Date of Collection:	N/A	Matrix:	Soil
Date of Preparation:	8/02/2023	Amount Prepared:	N/A
Date of Analysis:	8/11/2023	Percent Solids:	N/A
Dry Weight Prepared:	1.00 grams	Extract Dilution:	1
Wet Weight Prepared:	N/A	pH:	N/A
Volume Extracted:	N/A	GPC Factor:	N/A
Final 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	

Riverside Square PCB - Boston, MA

PCB's in Soil Field Method (Fixed Lab)

Client Sample ID:	S50134MA-0414	Lab Sample ID:	AC07929
Date of Collection:	7/26/2023	Matrix:	Soil
Date of Preparation:	8/02/2023	Amount Prepared:	N/A
Date of Analysis:	8/05/2023	Percent Solids:	N/A
Dry Weight Prepared:	N/A	Extract Dilution:	1
Wet Weight Prepared:	2.64 grams	pH:	N/A
Volume Extracted:	N/A	GPC Factor:	N/A
Final 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	**0.65**	0.20	
11097-69-1	Aroclor-1254	**0.50**	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	

Riverside Square PCB - Boston, MA

PCB's in Soil Field Method (Fixed Lab)

Client Sample ID:	S50134MA-0278	Lab Sample ID:	AC07930
Date of Collection:	7/24/2023	Matrix:	Soil
Date of Preparation:	8/02/2023	Amount Prepared:	N/A
Date of Analysis:	8/05/2023	Percent Solids:	N/A
Dry Weight Prepared:	N/A	Extract Dilution:	1
Wet Weight Prepared:	1.87 grams	pH:	N/A
Volume Extracted:	N/A	GPC Factor:	N/A
Final 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	**0.90**	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	

Riverside Square PCB - Boston, MA

PCB's in Soil Field Method (Fixed Lab)

Client Sample ID:	S50134MA-0202	Lab Sample ID:	AC07931
Date of Collection:	7/21/2023	Matrix:	Soil
Date of Preparation:	8/02/2023	Amount Prepared:	N/A
Date of Analysis:	8/05/2023	Percent Solids:	N/A
Dry Weight Prepared:	N/A	Extract Dilution:	1
Wet Weight Prepared:	2.45 grams	pH:	N/A
Volume Extracted:	N/A	GPC Factor:	N/A
Final 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	

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PCB's in Soil Field Method (Fixed Lab)

Client Sample ID:	S50134MA-0203	Lab Sample ID:	AC07932
Date of Collection:	7/21/2023	Matrix:	Soil
Date of Preparation:	8/02/2023	Amount Prepared:	N/A
Date of Analysis:	8/05/2023	Percent Solids:	N/A
Dry Weight Prepared:	N/A	Extract Dilution:	1
Wet Weight Prepared:	1.89 grams	pH:	N/A
Volume Extracted:	N/A	GPC Factor:	N/A
Final 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	**0.69**	0.20	
11097-69-1	Aroclor-1254	**0.72**	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	

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PCB's in Soil Field Method (Fixed Lab)

Client Sample ID:	S50134MA-0204	Lab Sample ID:	AC07933
Date of Collection:	7/21/2023	Matrix:	Soil
Date of Preparation:	8/02/2023	Amount Prepared:	N/A
Date of Analysis:	8/05/2023	Percent Solids:	N/A
Dry Weight Prepared:	N/A	Extract Dilution:	1
Wet Weight Prepared:	1.80 grams	pH:	N/A
Volume Extracted:	N/A	GPC Factor:	N/A
Final 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	**1.3**	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	

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PCB's in Soil Field Method (Fixed Lab)

Client Sample ID:	S50134MA-0205	Lab Sample ID:	AC07934
Date of Collection:	7/21/2023	Matrix:	Soil
Date of Preparation:	8/02/2023	Amount Prepared:	N/A
Date of Analysis:	8/05/2023	Percent Solids:	N/A
Dry Weight Prepared:	N/A	Extract Dilution:	1
Wet Weight Prepared:	1.98 grams	pH:	N/A
Volume Extracted:	N/A	GPC Factor:	N/A
Final 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	**0.64**	0.20	
11097-69-1	Aroclor-1254	**0.80**	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	

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PCB's in Soil Field Method (Fixed Lab)

Client Sample ID:	S50134MA-0206	Lab Sample ID:	AC07935
Date of Collection:	7/21/2023	Matrix:	Soil
Date of Preparation:	8/02/2023	Amount Prepared:	N/A
Date of Analysis:	8/05/2023	Percent Solids:	N/A
Dry Weight Prepared:	N/A	Extract Dilution:	1
Wet Weight Prepared:	1.91 grams	pH:	N/A
Volume Extracted:	N/A	GPC Factor:	N/A
Final 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	**0.74**	0.20	
11097-69-1	Aroclor-1254	**0.83**	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	

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PCB's in Soil Field Method (Fixed Lab)

Client Sample ID:	S50134MA-0207	Lab Sample ID:	AC07936
Date of Collection:	7/21/2023	Matrix:	Soil
Date of Preparation:	8/02/2023	Amount Prepared:	N/A
Date of Analysis:	8/05/2023	Percent Solids:	N/A
Dry Weight Prepared:	N/A	Extract Dilution:	1
Wet Weight Prepared:	1.80 grams	pH:	N/A
Volume Extracted:	N/A	GPC Factor:	N/A
Final 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	**0.62**	0.20	
11097-69-1	Aroclor-1254	**0.62**	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	

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PCB's in Soil Field Method (Fixed Lab)

Client Sample ID:	S50134MA-0208	Lab Sample ID:	AC07937
Date of Collection:	7/21/2023	Matrix:	Soil
Date of Preparation:	8/02/2023	Amount Prepared:	N/A
Date of Analysis:	8/05/2023	Percent Solids:	N/A
Dry Weight Prepared:	N/A	Extract Dilution:	1
Wet Weight Prepared:	2.11 grams	pH:	N/A
Volume Extracted:	N/A	GPC Factor:	N/A
Final 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	**0.55**	0.20	
11097-69-1	Aroclor-1254	**0.59**	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	

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PCB's in Soil Field Method (Fixed Lab)

Client Sample ID:	S50134MA-0209	Lab Sample ID:	AC07938
Date of Collection:	7/21/2023	Matrix:	Soil
Date of Preparation:	8/02/2023	Amount Prepared:	N/A
Date of Analysis:	8/05/2023	Percent Solids:	N/A
Dry Weight Prepared:	N/A	Extract Dilution:	1
Wet Weight Prepared:	1.90 grams	pH:	N/A
Volume Extracted:	N/A	GPC Factor:	N/A
Final 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	**0.24**	0.20	
11097-69-1	Aroclor-1254	**0.43**	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	

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PCB's in Soil Field Method (Fixed Lab)

Client Sample ID:	S50134MA-0415	Lab Sample ID:	AC07939
Date of Collection:	7/26/2023	Matrix:	Soil
Date of Preparation:	8/02/2023	Amount Prepared:	N/A
Date of Analysis:	8/05/2023	Percent Solids:	N/A
Dry Weight Prepared:	N/A	Extract Dilution:	1
Wet Weight Prepared:	1.78 grams	pH:	N/A
Volume Extracted:	N/A	GPC Factor:	N/A
Final 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	**0.49**	0.20	
11097-69-1	Aroclor-1254	**0.56**	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	

Riverside Square PCB - Boston, MA

PCB's in Soil Field Method (Fixed Lab)

Client Sample ID:	S50134MA-0210	Lab Sample ID:	AC07940
Date of Collection:	7/21/2023	Matrix:	Soil
Date of Preparation:	8/02/2023	Amount Prepared:	N/A
Date of Analysis:	8/05/2023	Percent Solids:	N/A
Dry Weight Prepared:	N/A	Extract Dilution:	1
Wet Weight Prepared:	1.99 grams	pH:	N/A
Volume Extracted:	N/A	GPC Factor:	N/A
Final 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	**0.23**	0.20	
11097-69-1	Aroclor-1254	**0.39**	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	

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PCB's in Soil Field Method (Fixed Lab)

Client Sample ID:	S50134MA-0211	Lab Sample ID:	AC07941
Date of Collection:	7/21/2023	Matrix:	Soil
Date of Preparation:	8/02/2023	Amount Prepared:	N/A
Date of Analysis:	8/05/2023	Percent Solids:	N/A
Dry Weight Prepared:	N/A	Extract Dilution:	1
Wet Weight Prepared:	2.29 grams	pH:	N/A
Volume Extracted:	N/A	GPC Factor:	N/A
Final 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	**0.31**	0.20	
11097-69-1	Aroclor-1254	**0.44**	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	

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PCB's in Soil Field Method (Fixed Lab)

Client Sample ID:	S50134MA-0212	Lab Sample ID:	AC07942
Date of Collection:	7/21/2023	Matrix:	Soil
Date of Preparation:	8/02/2023	Amount Prepared:	N/A
Date of Analysis:	8/05/2023	Percent Solids:	N/A
Dry Weight Prepared:	N/A	Extract Dilution:	1
Wet Weight Prepared:	1.86 grams	pH:	N/A
Volume Extracted:	N/A	GPC Factor:	N/A
Final 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	**0.60**	0.20	
11097-69-1	Aroclor-1254	**0.69**	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	

Riverside Square PCB - Boston, MA

PCB's in Soil Field Method (Fixed Lab)

Client Sample ID:	S50134MA-0172	Lab Sample ID:	AC07943
Date of Collection:	7/20/2023	Matrix:	Soil
Date of Preparation:	8/02/2023	Amount Prepared:	N/A
Date of Analysis:	8/05/2023	Percent Solids:	N/A
Dry Weight Prepared:	N/A	Extract Dilution:	1
Wet Weight Prepared:	2.01 grams	pH:	N/A
Volume Extracted:	N/A	GPC Factor:	N/A
Final 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	**0.34**	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	

Riverside Square PCB - Boston, MA

PCB's in Soil Field Method (Fixed Lab)

Client Sample ID:	S50134MA-0416	Lab Sample ID:	AC07944
Date of Collection:	7/26/2023	Matrix:	Soil
Date of Preparation:	8/02/2023	Amount Prepared:	N/A
Date of Analysis:	8/05/2023	Percent Solids:	N/A
Dry Weight Prepared:	N/A	Extract Dilution:	1
Wet Weight Prepared:	1.87 grams	pH:	N/A
Volume Extracted:	N/A	GPC Factor:	N/A
Final 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	**1.1**	0.20	
11097-69-1	Aroclor-1254	**0.79**	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	

Riverside Square PCB - Boston, MA

PCB's in Soil Field Method (Fixed Lab)

Client Sample ID:	S50134MA-0173	Lab Sample ID:	AC07945
Date of Collection:	7/20/2023	Matrix:	Soil
Date of Preparation:	8/02/2023	Amount Prepared:	N/A
Date of Analysis:	8/05/2023	Percent Solids:	N/A
Dry Weight Prepared:	N/A	Extract Dilution:	1
Wet Weight Prepared:	1.87 grams	pH:	N/A
Volume Extracted:	N/A	GPC Factor:	N/A
Final 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	**1.2**	0.20	
11097-69-1	Aroclor-1254	**1.0**	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	

Riverside Square PCB - Boston, MA

PCB's in Soil Field Method (Fixed Lab)

Client Sample ID:	S50134MA-0174	Lab Sample ID:	AC07946
Date of Collection:	7/20/2023	Matrix:	Soil
Date of Preparation:	8/02/2023	Amount Prepared:	N/A
Date of Analysis:	8/11/2023	Percent Solids:	N/A
Dry Weight Prepared:	N/A	Extract Dilution:	2
Wet Weight Prepared:	2.01 grams	pH:	N/A
Volume Extracted:	N/A	GPC Factor:	N/A
Final 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	**1.1**	0.20	
11097-69-1	Aroclor-1254	**1.4**	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	

Riverside Square PCB - Boston, MA

PCB's in Soil Field Method (Fixed Lab)

Client Sample ID:	S50134MA-0175	Lab Sample ID:	AC07947
Date of Collection:	7/20/2023	Matrix:	Soil
Date of Preparation:	8/02/2023	Amount Prepared:	N/A
Date of Analysis:	8/05/2023	Percent Solids:	N/A
Dry Weight Prepared:	N/A	Extract Dilution:	1
Wet Weight Prepared:	2.05 grams	pH:	N/A
Volume Extracted:	N/A	GPC Factor:	N/A
Final 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	**0.48**	0.20	
11097-69-1	Aroclor-1254	**0.41**	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	

Riverside Square PCB - Boston, MA

PCB's in Soil Field Method (Fixed Lab)

Client Sample ID:	S50134MA-0176	Lab Sample ID:	AC07948
Date of Collection:	7/20/2023	Matrix:	Soil
Date of Preparation:	8/02/2023	Amount Prepared:	N/A
Date of Analysis:	8/11/2023	Percent Solids:	N/A
Dry Weight Prepared:	N/A	Extract Dilution:	5
Wet Weight Prepared:	1.84 grams	pH:	N/A
Volume Extracted:	N/A	GPC Factor:	N/A
Final 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	**6.2**	0.20	
11097-69-1	Aroclor-1254	**3.2**	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	

Riverside Square PCB - Boston, MA

PCB's in Soil Field Method (Fixed Lab)

Client Sample ID:	S50134MA-0423	Lab Sample ID:	AC07949
Date of Collection:	7/26/2023	Matrix:	Soil PE
Date of Preparation:	8/02/2023	Amount Prepared:	N/A
Date of Analysis:	8/05/2023	Percent Solids:	N/A
Dry Weight Prepared:	N/A	Extract Dilution:	1
Wet Weight Prepared:	2.01 grams	pH:	N/A
Volume Extracted:	N/A	GPC Factor:	N/A
Final 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	**0.24**	0.20	
11097-69-1	Aroclor-1254	**0.45**	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	

Riverside Square PCB - Boston, MA

PCB's in Soil Field Method (Fixed Lab)

Client Sample ID:	S50134MA-0381	Lab Sample ID:	AC07950
Date of Collection:	7/25/2023	Matrix:	Soil
Date of Preparation:	8/02/2023	Amount Prepared:	N/A
Date of Analysis:	8/05/2023	Percent Solids:	N/A
Dry Weight Prepared:	1.68 grams	Extract Dilution:	4
Wet Weight Prepared:	N/A	pH:	N/A
Volume Extracted:	N/A	GPC Factor:	N/A
Final 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	**4.0**	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	

Riverside Square PCB - Boston, MA

Laboratory Duplicate Results

Sample ID: AC07928

PARAMETER	SAMPLE RESULT mg/Kg	SAMPLE DUPLICATE RESULT mg/Kg	PRECISION RPD %	QC LIMITS
Aroclor-1242	ND	ND	NC	50
Aroclor-1248	0.23	0.27	16	50
Aroclor-1254	0.21	0.28	29	50
Aroclor-1260	ND	ND	NC	50
Aroclor-1262	ND	ND	NC	50
Aroclor-1268	ND	ND	NC	50

Laboratory Duplicate Results

Sample ID: AC07934

PARAMETER	SAMPLE RESULT mg/Kg	SAMPLE DUPLICATE RESULT mg/Kg	PRECISION RPD %	QC LIMITS
Aroclor-1242	ND	ND	NC	50
Aroclor-1248	0.64	0.77	18	50
Aroclor-1254	0.80	0.95	17	50
Aroclor-1260	ND	ND	NC	50
Aroclor-1262	ND	ND	NC	50
Aroclor-1268	ND	ND	NC	50

Laboratory Duplicate Results

Sample ID: AC07938

PARAMETER	SAMPLE RESULT mg/Kg	SAMPLE DUPLICATE RESULT mg/Kg	PRECISION RPD %	QC LIMITS
Aroclor-1242	ND	ND	NC	50
Aroclor-1248	0.24	0.26	8.0	50
Aroclor-1254	0.43	0.48	11	50
Aroclor-1260	ND	ND	NC	50
Aroclor-1262	ND	ND	NC	50
Aroclor-1268	ND	ND	NC	50

Samples in Batch: AC07924, AC07925, AC07926, AC07927, AC07928, AC07929, AC07930, AC07931, AC07932, AC07933, AC07934, AC07935, AC07936, AC07937, AC07938, AC07939, AC07940, AC07941, AC07942, AC07943, AC07944, AC07945, AC07946, AC07947, AC07948, AC07949, AC07950

 PN: 23070043

USEPA
WESTON/START
101 Billerica Ave
N Billerica, MA

CHAIN OF CUSTODY RECORD
Site #: S50134MA
Contact Name: Bonnie Mace
Contact Phone: 978-621-1213

No: 1-072323-151844-0003
Riverside Sq PCB
Lab: LSASD/OEME
Lab Phone: 617-918-8490

Lab #	Sample #	Location	Sub Location	Analyses	Matrix	Sample Date	Sample Time	Numb Cont	Container	Preservative	Lab QC
	S50134MA-0418	RB-03		PCBs	water	7/20/2023	16:00	2	1 L Amber	4 C	N
	S50134MA-0418	RB-03		Metals	water	7/20/2023	16:00	1	500 ml poly	4C	N
	S50134MA-0419	RB-04		Metals	water	7/21/2023	16:00	1	500 ml poly	4C	N
	S50134MA-0419	RB-04		PCBs	water	7/21/2023	16:00	2	1 L Amber	4 C	N
	S50134MA-0420	RB-05		Metals	water	7/24/2023	16:00	1	500 ml poly	4C	N
	S50134MA-0420	RB-05		PCBs	water	7/24/2023	16:00	2	1 L Amber	4 C	N
	S50134MA-0421	RB-06		Metals	water	7/25/2023	16:00	1	500 ml poly	4C	N
	S50134MA-0421	RB-06		PCBs	water	7/25/2023	16:00	2	1 L Amber	4 C	N
	S50134MA-0422	RB-07		Metals	water	7/26/2023	16:00	1	500 ml poly	4C	N
	S50134MA-0422	RB-07		PCBs	water	7/26/2023	16:00	2	1 L Amber	4 C	N
	S50134MA-0431	AA-000	A	PCBs	soil	7/25/2023	09:40	1	poly bag	4C	N
	S50134MA-0410	AA-025	A	PCBs	soil	7/25/2023	14:30	1	poly bag	4C	N
	S50134MA-0412	AA-050	A	PCBs	soil	7/25/2023	14:35	1	poly bag	4C	N
	S50134MA-0374	AA-075	A	PCBs	soil	7/24/2023	15:02	1	poly bag	4C	N
	S50134MA-0340	B-000	A	PCBs	soil	7/24/2023	12:02	1	poly bag	4C	N
X	~~S50134MA-0379~~	~~B-225~~	~~A~~	~~PCBs~~	~~soil~~	~~7/26/2023~~	~~09:55~~	~~1~~	~~poly bag~~	~~4C~~	~~N~~
	S50134MA-0380	B-250	A	PCBs	soil	7/25/2023	09:55	1	poly bag	4C	N
	S50134MA-0383	B-250	B	PCBs	soil	7/25/2023	10:05	1	poly bag	4C	N
	S50134MA-0377	B-275	A	PCBs	soil	7/25/2023	09:40	1	poly bag	4C	N

CA 7/31/23

Special Instructions: PLEASE SELECT 20% OF FIELD SCREENED PCB SAMPLES FOR CONFIRMATORY PCB ANALYSIS AND METALS ANALYSIS. ALL SAMPLES WERE ALSO FIELD SCREENED VIA XRF BY START PERSONNEL. THANKS!!!

SAMPLES TRANSFERRED FROM
CHAIN OF CUSTODY #

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
	[signature]	7/31/23 1230hrs	[signature] ESAT	7-31-23 12:30	

 PN: 23070043

USEPA
WESTON/START
101 Billerica Ave
N Billerica, MA

CHAIN OF CUSTODY RECORD
Site #: S50134MA
Contact Name: Bonnie Mace
Contact Phone: 978-621-1213

No: 1-072323-151844-0003
Riverside Sq PCB
Lab: LSASD/OEME
Lab Phone: 617-918-8490

Lab #	Sample #	Location	Sub Location	Analyses	Matrix	Sample Date	Sample Time	Numb Cont	Container	Preservative	Lab QC
	S50134MA-0378	B-275	B	PCBs	soil	7/25/2023	09:50	1	poly bag	4C	N
	S50134MA-0436	B-275	D	PCBs	soil	7/25/2023	09:40	1	poly bag	4C	N
	S50134MA-0353	BB-025	A	PCBs	soil	7/24/2023	14:00	1	poly bag	4C	N
	S50134MA-0365	BB-050	A	PCBs	soil	7/24/2023	14:25	1	poly bag	4C	N
	S50134MA-0349	BB-075	A	PCBs	soil	7/24/2023	13:35	1	poly bag	4C	N
	S50134MA-0372	BB-125	A	PCBs	soil	7/24/2023	14:55	1	poly bag	4C	N
	S50134MA-0332	C-000	A	PCBs	soil	7/24/2023	11:46	1	poly bag	4C	N
	S50134MA-0386	C-225	A	PCBs	soil	7/25/2023	10:25	1	poly bag	4C	N
	S50134MA-0425	C-250	A	PCBs	soil	7/25/2023	09:30	1	poly bag	4C	N
	S50134MA-0397	C-275	A	PCBs	soil	7/25/2023	11:42	1	poly bag	4C	N
	S50134MA-0399	C-275	B	PCBs	soil	7/25/2023	11:47	1	poly bag	4C	N
	S50134MA-0400	C-300	A	PCBs	soil	7/25/2023	11:48	1	poly bag	4C	N
	S50134MA-0345	CC-025	A	PCBs	soil	7/24/2023	13:30	1	poly bag	4C	N
	S50134MA-0355	CC-050	A	PCBs	soil	7/24/2023	14:05	1	poly bag	4C	N
	S50134MA-0350	CC-075	A	PCBs	soil	7/24/2023	13:35	1	poly bag	4C	N
	S50134MA-0358	CC-075	B	PCBs	soil	7/24/2023	14:10	1	poly bag	4C	N
	S50134MA-0368	CC-150	A	PCBs	soil	7/24/2023	14:45	1	poly bag	4C	N
	S50134MA-0326	D-000	A	PCBs	soil	7/24/2023	11:38	1	poly bag	4C	N
	S50134MA-0366	D-175	A	PCBs	soil	7/24/2023	10:40	1	poly bag	4C	N

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SAMPLES TRANSFERRED FROM CHAIN OF CUSTODY #

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
	[signature]	7/31/23 1230 hrs	[signature] ESAT	7-31-23 12:30	

 PN: 23070043

USEPA
WESTON/START
101 Billerica Ave
N Billerica, MA

CHAIN OF CUSTODY RECORD
Site #: S50134MA
Contact Name: Bonnie Mace
Contact Phone: 978-621-1213

No: 1-072323-151844-0003
Riverside Sq PCB
Lab: LSASD/OEME
Lab Phone: 617-918-8490

Lab #	Sample #	Location	Sub Location	Analyses	Matrix	Sample Date	Sample Time	Numb Cont	Container	Preservative	Lab QC
	S50134MA-0398	D-200	A	PCBs	soil	7/25/2023	11:45	1	poly bag	4C	N
	S50134MA-0389	D-225	A	PCBs	soil	7/25/2023	10:40	1	poly bag	4C	N
	S50134MA-0376	D-250	A	PCBs	soil	7/25/2023	09:36	1	poly bag	4C	N
	S50134MA-0387	D-275	A	PCBs	soil	7/25/2023	10:30	1	poly bag	4C	N
	S50134MA-0396	D-300	A	PCBs	soil	7/25/2023	11:30	1	poly bag	4C	N
	S50134MA-0382	D-325	A	PCBs	soil	7/25/2023	10:01	1	poly bag	4C	N
	S50134MA-0384	D-325	B	PCBs	soil	7/25/2023	10:10	1	poly bag	4C	N
	S50134MA-0390	D-350	A	PCBs	soil	7/25/2023	10:55	1	poly bag	4C	N
	S50134MA-0391	D-375	A	PCBs	soil	7/25/2023	10:55	1	poly bag	4C	N
	S50134MA-0394	D-375	B	PCBs	soil	7/25/2023	11:05	1	poly bag	4C	N
	S50134MA-0392	D-400	A	PCBs	soil	7/25/2023	11:00	1	poly bag	4C	N
	S50134MA-0395	D-400	B	PCBs	soil	7/25/2023	11:11	1	poly bag	4C	N
	S50134MA-0151	D-425	A	PCBs	soil	7/20/2023	12:44	1	poly bag	4C	N
	S50134MA-0152	D-450	A	PCBs	soil	7/20/2023	14:11	1	poly bag	4C	N
	S50134MA-0153	D-450	B	PCBs	soil	7/20/2023	14:14	1	poly bag	4C	N
	S50134MA-0417	D-475	A	PCBs	soil	7/26/2023	10:25	1	poly bag	4C	N
	S50134MA-0154	D-525	A	PCBs	soil	7/20/2023	11:55	1	poly bag	4C	N
	S50134MA-0434	D-550	A	PCBs	soil	7/20/2023	11:30	1	poly bag	4C	N
	S50134MA-0435	DD-025	A	PCBs	Soil	7/24/2023	13:45	1	poly bag	4 C	N

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SAMPLES TRANSFERRED FROM
CHAIN OF CUSTODY #

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
	[signature]	7/31/23 1230 hrs	[signature] ESAT	7-31-23 12:30	

 PN: 23070044

USEPA
WESTON/START
101 Billerica Ave
N Billerica, MA

CHAIN OF CUSTODY RECORD
Site #: S50134MA
Contact Name: Bonnie Mace
Contact Phone: 978-621-1213

No: 1-072323-151844-0003
Riverside Sq PCB
Lab: LSASD/OEME
Lab Phone: 617-918-8490

Lab #	Sample #	Location	Sub Location	Analyses	Matrix	Sample Date	Sample Time	Numb Cont	Container	Preservative	Lab QC
	S50134MA-0371	DD-150	A	PCBs	soil	7/24/2023	14:45	1	poly bag	4C	N
	S50134MA-0367	DD-175	A	PCBs	soil	7/24/2023	14:30	1	poly bag	4C	N
	S50134MA-0426	DD-200	A	PCBs	soil	7/25/2023	13:45	1	poly bag	4C	N
	S50134MA-0325	E-000	A	PCBs	soil	7/24/2023	11:34	1	poly bag	4C	N
	S50134MA-0321	E-100	A	PCBs	soil	7/24/2023	11:20	1	poly bag	4C	N
	S50134MA-0311	E-125	A	PCBs	soil	7/24/2023	10:50	1	poly bag	4C	N
	S50134MA-0300	E-150	A	PCBs	soil	7/24/2023	10:20	1	poly bag	4C	N
	S50134MA-0430	E-175	A	PCBs	soil	7/24/2023	10:05	1	poly bag	4C	N
	S50134MA-0285	E-200	A	PCBs	soil	7/24/2023	09:40	1	poly bag	4C	N
	S50134MA-0279	E-225	A	PCBs	soil	7/24/2023	09:25	1	poly bag	4C	N
	S50134MA-0177	E-250	A	PCBs	soil	7/21/2023	14:05	1	poly bag	4C	N
	S50134MA-0275	E-275	A	PCBs	soil	7/24/2023	09:15	1	poly bag	4C	N
	S50134MA-0385	E-325	A	PCBs	soil	7/25/2023	10:20	1	poly bag	4C	N
	S50134MA-0388	E-350	A	PCBs	soil	7/25/2023	10:35	1	poly bag	4C	N
	S50134MA-0393	E-375	A	PCBs	soil	7/25/2023	11:00	1	poly bag	4C	N
	S50134MA-0155	E-400	A	PCBs	soil	7/20/2023	12:18	1	poly bag	4C	N
	S50134MA-0156	E-425	A	PCBs	soil	7/20/2023	12:10	1	poly bag	4C	N
	S50134MA-0157	E-425	B	PCBs	soil	7/20/2023	12:30	1	poly bag	4C	N
	S50134MA-0158	E-450	A	PCBs	soil	7/20/2023	14:15	1	poly bag	4C	N

Special Instructions: PLEASE SELECT 20% OF FIELD SCREENED PCB SAMPLES FOR CONFIRMATORY PCB ANALYSIS AND METALS ANALYSIS. ALL SAMPLES WERE ALSO FIELD SCREENED VIA XRF BY START PERSONNEL. THANKS!!!

SAMPLES TRANSFERRED FROM
CHAIN OF CUSTODY #

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
	[signature]	7/31/23 1230 hrs	[signature] ESAT	7-31-23 12:30	

PN. 12307004

USEPA
WESTON/START
101 Billerica Ave
N Billerica, MA

CHAIN OF CUSTODY RECORD
Site #: S50134MA
Contact Name: Bonnie Mace
Contact Phone: 978-621-1213

No: 1-072323-151844-0003
Riverside Sq PCB
Lab: LSASD/OEME
Lab Phone: 617-918-8490

Lab #	Sample #	Location	Sub Location	Analyses	Matrix	Sample Date	Sample Time	Numb Cont	Container	Preservative	Lab QC
	S50134MA-0159	E-475	A	PCBs	soil	7/20/2023	14:10	1	poly bag	4C	N
	S50134MA-0160	E-475	B	PCBs	soil	7/20/2023	14:20	1	poly bag	4C	N
	S50134MA-0161	E-500	A	PCBs	soil	7/20/2023	11:45	1	poly bag	4C	N
	S50134MA-0162	E-500	B	PCBs	soil	7/20/2023	11:55	1	poly bag	4C	N
	S50134MA-0432	E-525	A	PCBs	soil	7/20/2023	11:08	1	poly bag	4C	N
	S50134MA-0163	E-550	A	PCBs	soil	7/20/2023	10:43	1	poly bag	4C	N
	S50134MA-0336	EE-025	A	PCBs	soil	7/24/2023	11:55	1	poly bag	4C	N
	S50134MA-0338	EE-050	A	PCBs	soil	7/24/2023	11:55	1	poly bag	4C	N
	S50134MA-0347	EE-075	A	PCBs	soil	7/24/2023	13:31	1	poly bag	4C	N
	S50134MA-0360	EE-150	A	PCBs	soil	7/24/2023	14:15	1	poly bag	4C	N
	S50134MA-0357	EE-175	A	PCBs	soil	7/24/2023	14:07	1	poly bag	4C	N
	S50134MA-0362	EE-175	B	PCBs	soil	7/24/2023	14:15	1	poly bag	4C	N
	S50134MA-0413	EE-200	A	PCBs	soil	7/25/2023	13:40	1	poly bag	4C	N
X	~~S50134MA-0281~~	~~EE-225~~	~~A~~	~~PCBs~~	~~soil~~	~~7/24/2023~~	~~09:25~~	~~1~~	~~poly bag~~	~~4C~~	~~N~~
	S50134MA-0437	EE-225	D	PCBs	soil	7/24/2023	09:25	1	poly bag	4C	N
	S50134MA-0404	EE-250	A	PCBs	soil	7/25/2023	14:00	1	poly bag	4C	N
	S50134MA-0408	EE-275	A	PCBs	soil	7/25/2023	14:15	1	poly bag	4C	N
	S50134MA-0319	F-000	A	PCBs	soil	7/24/2023	11:17	1	poly bag	4C	N
	S50134MA-0317	F-050	A	PCBs	soil	7/24/2023	11:11	1	poly bag	4C	N

TL

Special Instructions: PLEASE SELECT 20% OF FIELD SCREENED PCB SAMPLES FOR CONFIRMATORY PCB ANALYSIS AND METALS ANALYSIS. ALL SAMPLES WERE ALSO FIELD SCREENED VIA XRF BY START PERSONNEL. THANKS!!!

SAMPLES TRANSFERRED FROM
CHAIN OF CUSTODY #

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
	[signature]	7/31/23 1230 hrs	[signature] ESAT	7-31-23 12:30	

USEPA
WESTON/START
101 Billerica Ave
N Billerica, MA

CHAIN OF CUSTODY RECORD
Site #: S50134MA
Contact Name: Bonnie Mace
Contact Phone: 978-621-1213

No: 1-072323-151844-0003
Riverside Sq PCB
Lab: LSASD/OEME
Lab Phone: 617-918-8490

PN: 23070044

Lab #	Sample #	Location	Sub Location	Analyses	Matrix	Sample Date	Sample Time	Numb Cont	Container	Preservative	Lab QC
	S50134MA-0308	F-075	A	PCBs	soil	7/24/2023	10:48	1	poly bag	4C	N
	S50134MA-0313	F-100	A	PCBs	soil	7/24/2023	11:05	1	poly bag	4C	N
	S50134MA-0302	F-125	A	PCBs	soil	7/24/2023	10:23	1	poly bag	4C	N
	S50134MA-0295	F-150	A	PCBs	soil	7/24/2023	10:05	1	poly bag	4C	N
	S50134MA-0293	F-175	A	PCBs	soil	7/24/2023	09:50	1	poly bag	4C	N
	S50134MA-0428	F-200	A	PCBs	soil	7/24/2023	10:10	1	poly bag	4C	N
	S50134MA-0289	F-225	A	PCBs	soil	7/24/2023	09:43	1	poly bag	4C	N
	S50134MA-0178	F-250	A	PCBs	soil	7/21/2023	13:30	1	poly bag	4C	N
	S50134MA-0179	F-275	A	PCBs	soil	7/21/2023	13:45	1	poly bag	4C	N
	S50134MA-0180	F-300	A	PCBs	soil	7/21/2023	11:40	1	poly bag	4C	N
	S50134MA-0181	F-300	B	PCBs	soil	7/21/2023	11:50	1	poly bag	4C	N
	S50134MA-0182	F-325	A	PCBs	soil	7/21/2023	11:15	1	poly bag	4C	N
	S50134MA-0183	F-350	A	PCBs	soil	7/21/2023	10:58	1	poly bag	4C	N
	S50134MA-0184	F-375	A	PCBs	soil	7/21/2023	10:20	1	poly bag	4C	N
	S50134MA-0185	F-400	A	PCBs	soil	7/21/2023	11:00	1	poly bag	4C	N
	S50134MA-0186	F-400	B	PCBs	soil	7/21/2023	11:08	1	poly bag	4C	N
	S50134MA-0187	F-425	A	PCBs	soil	7/21/2023	10:18	1	poly bag	4C	N
	S50134MA-0164	F-450	A	PCBs	soil	7/20/2023	12:02	1	poly bag	4C	N
	S50134MA-0165	F-450	B	PCBs	soil	7/20/2023	12:24	1	poly bag	4C	N

PN: 23070045

Special Instructions: PLEASE SELECT 20% OF FIELD SCREENED PCB SAMPLES FOR CONFIRMATORY PCB ANALYSIS AND METALS ANALYSIS. ALL SAMPLES WERE ALSO FIELD SCREENED VIA XRF BY START PERSONNEL. THANKS!!!

SAMPLES TRANSFERRED FROM CHAIN OF CUSTODY #

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
	[signature]	7/31/23 1230 hrs	[signature] ESAT	7-31-23 12:30	

PN: 23070045

USEPA
WESTON/START
101 Billerica Ave
N Billerica, MA

CHAIN OF CUSTODY RECORD
Site #: S50134MA
Contact Name: Bonnie Mace
Contact Phone: 978-621-1213

No: 1-072323-151844-0003
Riverside Sq PCB
Lab: LSASD/OEME
Lab Phone: 617-918-8490

Lab #	Sample #	Location	Sub Location	Analyses	Matrix	Sample Date	Sample Time	Numb Cont	Container	Preservative	Lab QC
	S50134MA-0166	F-475	A	PCBs	soil	7/20/2023	11:47	1	poly bag	4C	N
	S50134MA-0167	F-500	A	PCBs	soil	7/20/2023	11:21	1	poly bag	4C	N
	S50134MA-0168	F-525	A	PCBs	soil	7/20/2023	10:55	1	poly bag	4C	N
	S50134MA-0169	F-550	A	PCBs	soil	7/20/2023	10:30	1	poly bag	4C	N
	S50134MA-0330	FF-025	A	PCBs	soil	7/24/2023	11:45	1	poly bag	4C	N
	S50134MA-0335	FF-050	A	PCBs	soil	7/24/2023	11:50	1	poly bag	4C	N
	S50134MA-0309	FF-075	A	PCBs	soil	7/24/2023	13:30	1	poly bag	4C	N
	~~S50134MA-0343~~	~~FF-075~~	~~B~~	~~PCBs~~	~~soil~~	~~7/24/2023~~	~~13:05~~	~~1~~	~~poly bag~~	~~4C~~	~~N~~
	S50134MA-0403	FF-150	A	PCBs	soil	7/25/2023	13:45	1	poly bag	4C	N
	S50134MA-0401	FF-175	A	PCBs	soil	7/25/2023	13:40	1	poly bag	4C	N
	S50134MA-0402	FF-200	A	PCBs	soil	7/25/2023	13:40	1	poly bag	4C	N
	S50134MA-0405	FF-225	A	PCBs	soil	7/25/2023	14:00	1	poly bag	4C	N
	S50134MA-0407	FF-250	A	PCBs	soil	7/25/2023	14:10	1	poly bag	4C	N
	S50134MA-0409	FF-250	B	PCBs	soil	7/25/2023	14:20	1	poly bag	4C	N
	S50134MA-0322	G-000	A	PCBs	soil	7/24/2023	11:27	1	poly bag	4C	N
	S50134MA-0433	G-025	A	PCBs	soil	7/24/2023	11:30	1	poly bag	4C	N
	S50134MA-0314	G-050	A	PCBs	soil	7/24/2023	11:10	1	poly bag	4C	N
	S50134MA-0307	G-075	A	PCBs	soil	7/24/2023	10:45	1	poly bag	4C	N
	S50134MA-0304	G-100	A	PCBs	soil	7/24/2023	10:35	1	poly bag	4C	N

JLC 7/31/23

Special Instructions: PLEASE SELECT 20% OF FIELD SCREENED PCB SAMPLES FOR CONFIRMATORY PCB ANALYSIS AND METALS ANALYSIS. ALL SAMPLES WERE ALSO FIELD SCREENED VIA XRF BY START PERSONNEL. THANKS!!!

SAMPLES TRANSFERRED FROM
CHAIN OF CUSTODY #

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
	[signature]	7/31/23 1230 hrs	[signature] ESM	7-31-23 12:30	

 PN :23070045

USEPA
WESTON/START
101 Billerica Ave
N Billerica, MA

CHAIN OF CUSTODY RECORD
Site #: S50134MA
Contact Name: Bonnie Mace
Contact Phone: 978-621-1213

No: 1-072323-151844-0003
Riverside Sq PCB
Lab: LSASD/OEME
Lab Phone: 617-918-8490

Lab #	Sample #	Location	Sub Location	Analyses	Matrix	Sample Date	Sample Time	Numb Cont	Container	Preservative	Lab QC
	S50134MA-0429	G-125	A	PCBs	soil	7/24/2023	09:49	1	poly bag	4C	N
	S50134MA-0286	G-150	A	PCBs	soil	7/24/2023	09:40	1	poly bag	4C	N
	S50134MA-0427	G-175	A	PCBs	soil	7/25/2023	09:45	1	poly bag	4C	N
	S50134MA-0283	G-200	A	PCBs	soil	7/24/2023	09:31	1	poly bag	4C	N
	S50134MA-0296	G-225	A	PCBs	soil	7/24/2023	10:10	1	poly bag	4C	N
	S50134MA-0299	G-225	B	PCBs	soil	7/24/2023	10:15	1	poly bag	4C	N
	S50134MA-0188	G-250	A	PCBs	soil	7/21/2023	13:35	1	poly bag	4C	N
	S50134MA-0189	G-275	A	PCBs	soil	7/21/2023	13:30	1	poly bag	4C	N
	S50134MA-0190	G-300	A	PCBs	soil	7/21/2023	13:10	1	poly bag	4C	N
	S50134MA-0191	G-325	A	PCBs	soil	7/21/2023	11:00	1	poly bag	4C	N
	S50134MA-0192	G-350	A	PCBs	soil	7/21/2023	10:42	1	poly bag	4C	N
	S50134MA-0193	G-375	A	PCBs	soil	7/21/2023	10:08	1	poly bag	4C	N
	S50134MA-0194	G-400	A	PCBs	soil	7/21/2023	10:09	1	poly bag	4C	N
X	~~S50134MA-0251~~	~~G-400~~	~~B~~	~~PCBs~~	~~soil~~	~~7/21/2023~~	~~10:07~~	~~1~~	~~poly bag~~	~~4C~~	~~N~~
	S50134MA-0195	G-425	B	PCBs	soil	7/21/2023	09:40	1	poly bag	4C	N
	S50134MA-0196	G-450	A	PCBs	soil	7/21/2023	09:20	1	poly bag	4C	N
	S50134MA-0248	G-475	A	PCBs	soil	7/21/2023	09:40	1	poly bag	4C	N
	S50134MA-0197	G-475	B	PCBs	soil	7/21/2023	09:50	1	poly bag	4C	N
	S50134MA-0198	G-500	A	PCBs	soil	7/21/2023	14:43	1	poly bag	4C	N

JH 7/31/23

Special Instructions: PLEASE SELECT 20% OF FIELD SCREENED PCB SAMPLES FOR CONFIRMATORY PCB ANALYSIS AND METALS ANALYSIS. ALL SAMPLES WERE ALSO FIELD SCREENED VIA XRF BY START PERSONNEL. THANKS!!!

SAMPLES TRANSFERRED FROM
CHAIN OF CUSTODY #

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
	JHy	7/31/23 1230hrs	[illegible] EKT	7-31-23 12:30	

 PN - 23070046

USEPA
WESTON/START
101 Billerica Ave
N Billerica, MA

CHAIN OF CUSTODY RECORD
Site #: S50134MA
Contact Name: Bonnie Mace
Contact Phone: 978-621-1213

No: 1-072323-151844-0003
Riverside Sq PCB
Lab: LSASD/OEME
Lab Phone: 617-918-8490

Lab #	Sample #	Location	Sub Location	Analyses	Matrix	Sample Date	Sample Time	Numb Cont	Container	Preservative	Lab QC
	S50134MA-0199	G-525	A	PCBs	soil	7/21/2023	10:08	1	poly bag	4C	N
	S50134MA-0253	G-525	B	PCBs	soil	7/21/2023	10:22	1	poly bag	4C	N
	S50134MA-0200	G-550	A	PCBs	soil	7/21/2023	10:22	1	poly bag	4C	N
	S50134MA-0171	G-675	A	PCBs	soil	7/20/2023	10:26	1	poly bag	4C	N
	S50134MA-0328	GG-025	A	PCBs	soil	7/24/2023	11:40	1	poly bag	4C	N
	S50134MA-0414	H-200	A	PCBs	soil	7/26/2023	09:25	1	poly bag	4C	N
	S50134MA-0278	H-225	A	PCBs	soil	7/24/2023	09:15	1	poly bag	4C	N
	S50134MA-0202	H-250	A	PCBs	soil	7/21/2023	13:15	1	poly bag	4C	N
	S50134MA-0203	H-275	A	PCBs	soil	7/21/2023	13:13	1	poly bag	4C	N
	S50134MA-0204	H-300	A	PCBs	soil	7/21/2023	10:10	1	poly bag	4C	N
	S50134MA-0205	H-325	A	PCBs	soil	7/21/2023	09:46	1	poly bag	4C	N
	S50134MA-0206	H-350	A	PCBs	soil	7/21/2023	09:30	1	poly bag	4C	N
	S50134MA-0207	H-375	A	PCBs	soil	7/21/2023	09:20	1	poly bag	4C	N
	S50134MA-0208	H-400	A	PCBs	soil	7/21/2023	09:10	1	poly bag	4C	N
	S50134MA-0209	H-425	A	PCBs	soil	7/21/2023	09:00	1	poly bag	4C	N
	S50134MA-0415	H-450	A	PCBs	soil	7/26/2023	10:10	1	poly bag	4C	N
	S50134MA-0210	H-475	A	PCBs	soil	7/21/2023	09:33	1	poly bag	4C	N
	S50134MA-0211	H-500	A	PCBs	soil	7/21/2023	08:55	1	poly bag	4C	N
	S50134MA-0212	H-525	A	PCBs	soil	7/21/2023	09:00	1	poly bag	4C	N

Special Instructions: PLEASE SELECT 20% OF FIELD SCREENED PCB SAMPLES FOR CONFIRMATORY PCB ANALYSIS AND METALS ANALYSIS. ALL SAMPLES WERE ALSO FIELD SCREENED VIA XRF BY START PERSONNEL. THANKS!!!

SAMPLES TRANSFERRED FROM CHAIN OF CUSTODY #

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
	[signature]	7/31/23 1230 hr	[signature] START	7-31-23 12:30	

PN: 23078046

USEPA
WESTON/START
101 Billerica Ave
N Billerica, MA

CHAIN OF CUSTODY RECORD
Site #: S50134MA
Contact Name: Bonnie Mace
Contact Phone: 978-621-1213

No: 1-072323-151844-0003
Riverside Sq PCB
Lab: LSASD/OEME
Lab Phone: 617-918-8490

Lab #	Sample #	Location	Sub Location	Analyses	Matrix	Sample Date	Sample Time	Numb Cont	Container	Preservative	Lab QC
	S50134MA-0172	H-550	A	PCBs	soil	7/20/2023	14:15	1	poly bag	4C	N
	S50134MA-0416	H-600	A	PCBs	soil	7/26/2023	10:20	1	poly bag	4C	N
	S50134MA-0173	H-625	A	PCBs	soil	7/20/2023	10:45	1	poly bag	4C	N
	S50134MA-0174	H-625	B	PCBs	soil	7/20/2023	10:59	1	poly bag	4C	N
	S50134MA-0175	H-650	A	PCBs	soil	7/20/2023	10:15	1	poly bag	4C	N
	S50134MA-0176	H-650	B	PCBs	soil	7/20/2023	11:45	1	poly bag	4C	N
	S50134MA-0423	AS2333		PCBs	PE	7/26/2023	16:30	1	2 oz jar	4 C	N
	S50134MA-0424	IS8482		Metals	PE	7/26/2023	16:30	1	2 oz jar	4 C	N
	S50134MA-0381	E-300 A		PCB		7/25/2023	10:00	1	poly bag	4C	N

7/31/23

Special Instructions: PLEASE SELECT 20% OF FIELD SCREENED PCB SAMPLES FOR CONFIRMATORY PCB ANALYSIS AND METALS ANALYSIS. ALL SAMPLES WERE ALSO FIELD SCREENED VIA XRF BY START PERSONNEL. THANKS!!!

SAMPLES TRANSFERRED FROM
CHAIN OF CUSTODY #

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
	[signature]	7/31/23 1230hrs	[signature] ESAT	7-31-23 12:30	

US EPA REGION 1
SAMPLE RECEIPT CHECKLIST

PROJ #: 23070043 --> 23070046	RECEIPT DATE: 7-31-2023
SURVEY NAME: RIVERSIDE SQUARE PCB LOCATION: BOSTON, MA	REC'D BY: D. Guzman (ESAT)
OSC/PO: TOM HATZOPOULOS (2-MO)	SITE ID: 01HG SUPERFUND: Y

WERE SAMPLES SHIPPED? N TRACKING #: _____ DATE/SENT: _____ NO. Hand Delivered	
COOLER TEMPERATURE UPON ARRIVAL _____ °C / NA	
CHAIN OF CUSTODY PRESENT?	Y
COMPLETE?	Y
CUSTODY SEALS PRESENT ON COOLER?	N
SAMPLES?	N
WERE SAMPLE CONTAINERS INTACT?	Y
WAS SAMPLE PRESERVATION DOCUMENTED? COC ✓ Sample Container	Y
APPROPRIATE SAMPLES VOLUME FOR REQUESTED ANALYSIS?	Y
SAMPLES AND COC MATCH?	Y
IF ANY PROBLEMS WAS PROJECT MANAGER NOTIFIED? BY WHOM? _____	
APPROPRIATE SAMPLE CONTAINERS?	Y
SAMPLES WITHIN HOLDING TIMES?	Y
ALL ANALYSIS SPECIFIED ON COC?	Y
DATE/TIME OF COLLECTION ON COC	Y
TURN-AROUND TIME: 4 WEEKS	
DECON	

COMMENTS: WATER & SOIL SAMPLES

PN : 23070043
5 $PCBW
5 $METW_PE
46 $FLFPCB

PN : 23070044
50 $FLFPCB

PN : 23070045
42 $FLFPCB

PN : 23070046
27 $FLFPCB

HOLD PE METALS FOR FUTURE CONFIRMATORY ANALYSIS

United States Environmental Protection Agency
Laboratory Services and Applied Science Division
11 Technology Drive
North Chelmsford, MA 01863-2431

Laboratory Report

September 13, 2023

Tom Hatzopoulos (2-MO)
US EPA New England R1

Project Number: 23080029
Project: Riverside Square PCB - Boston, MA
Analysis: PCBs Medium Level in Soils and Sediments
EPA Chemist: Phillip Gudgel

Date Samples Received by the Laboratory: 08/15/2023

Analytical Procedure:

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

Sample preparation and analysis was done following the EPA Region I SOP, LSBSOP-PESTSOIL6.

The SOP is based on EPA SW-846 Method 8082A

The analysis was performed using high resolution capillary column gas chromatography equipped with dual electron capture detectors. The 30 meter dual capillary column system consists of a J&W DB-5 and J&W DB-1701,

Data were reviewed in accordance with the internal verification procedures described in the EPA New England Quality Manual for NERL.

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 BOUDREAU

Digitally signed by DANIEL BOUDREAU
Date: 2023.09.13 07:47:56 -04'00'

23080029$PCBMS

Qualifiers:

RL = Reporting limit
ND = Not Detected above Reporting limit
NA = Not Applicable due to high sample dilutions or sample interferences
NC = Not calculated since analyte concentration is ND.
J = Estimated value
J1 = Estimated value due to MS recovery outside accceptance criteria
J2 = Estimated value due to LFB result outside acceptance criteria
J3 = Estimated value due to RPD result outside acceptance criteria
J4 = Estimated value due to LCS result outside acceptance criteria
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.
R = No recovery was calculated since the analyte concentration is greater than four times the spike level.
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.
A = Suspected Aldol condensation product.
N = Tentatively identified compound.
ANR = Analysis not required.

Riverside Square PCB - Boston, MA

PCBs Medium Level in Soils and Sediments

Client Sample ID:	S50134MA-0374	Lab Sample ID:	AC08170
Date of Collection:	7/25/2023	Matrix:	Soil
Date of Preparation:	8/17/2023	Amount Prepared:	N/A
Date of Analysis:	8/24/2023	Percent Solids:	84%
Dry Weight Prepared:	6.726 grams	Extract Dilution:	1
Wet Weight Prepared:	8.051 grams	pH:	N/A
Volume Extracted:	N/A	GPC Factor:	N/A
Final Volume:	5 mL		

CAS Number	Compound	Concentration mg/Kg	RL mg/Kg	Qualifier
12674-11-2	Aroclor-1016	ND	0.07	
11104-28-2	Aroclor-1221	ND	0.07	
11141-16-5	Aroclor-1232	ND	0.07	
53469-21-9	Aroclor-1242	ND	0.07	
12672-29-6	Aroclor-1248	ND	0.07	
11097-69-1	Aroclor-1254	ND	0.07	
11096-82-5	Aroclor-1260	ND	0.07	
37234-23-5	Aroclor-1262	ND	0.07	
11100-14-4	Aroclor-1268	ND	0.07	

Surrogate Compounds	Recoveries (%)	QC Ranges
2,4,5,6-Tetrachloro-m-xylene	75	40 - 84
Decachlorobiphenyl	115	75 - 127

Riverside Square PCB - Boston, MA

Laboratory Blank

Client Sample ID:	N/A	Lab Sample ID:	N/A
Date of Collection:	N/A	Matrix:	Soil
Date of Preparation:	8/17/2023	Amount Prepared:	N/A
Date of Analysis:	8/24/2023	Percent Solids:	100%
Dry Weight Prepared:	5.046 grams	Extract Dilution:	1
Wet Weight Prepared:	5.045 grams	pH:	N/A
Volume Extracted:	N/A	GPC Factor:	N/A
Final Volume:	5 mL		

CAS Number	Compound	Concentration mg/Kg	RL mg/Kg	Qualifier
12674-11-2	Aroclor-1016	ND	0.10	
11104-28-2	Aroclor-1221	ND	0.10	
11141-16-5	Aroclor-1232	ND	0.10	
53469-21-9	Aroclor-1242	ND	0.10	
12672-29-6	Aroclor-1248	ND	0.10	
11097-69-1	Aroclor-1254	ND	0.10	
11096-82-5	Aroclor-1260	ND	0.10	
37234-23-5	Aroclor-1262	ND	0.10	
11100-14-4	Aroclor-1268	ND	0.10	

Surrogate Compounds	Recoveries (%)	QC Ranges
2,4,5,6-Tetrachloro-m-xylene	76	40 - 84
Decachlorobiphenyl	115	75 - 127

Riverside Square PCB - Boston, MA

PCBs Medium Level in Soils and Sediments

Client Sample ID:	S50134MA-0378	Lab Sample ID:	AC08171
Date of Collection:	7/25/2023	Matrix:	Soil
Date of Preparation:	8/17/2023	Amount Prepared:	N/A
Date of Analysis:	8/24/2023	Percent Solids:	85%
Dry Weight Prepared:	7.843 grams	Extract Dilution:	1
Wet Weight Prepared:	9.189 grams	pH:	N/A
Volume Extracted:	N/A	GPC Factor:	N/A
Final Volume:	5 mL		

CAS Number	Compound	Concentration mg/Kg	RL mg/Kg	Qualifier
12674-11-2	Aroclor-1016	ND	0.06	
11104-28-2	Aroclor-1221	ND	0.06	
11141-16-5	Aroclor-1232	ND	0.06	
53469-21-9	Aroclor-1242	ND	0.06	
12672-29-6	Aroclor-1248	ND	0.06	
11097-69-1	Aroclor-1254	ND	0.06	
11096-82-5	Aroclor-1260	ND	0.06	
37234-23-5	Aroclor-1262	ND	0.06	
11100-14-4	Aroclor-1268	ND	0.06	

Surrogate Compounds	Recoveries (%)	QC Ranges
2,4,5,6-Tetrachloro-m-xylene	69	40 - 84
Decachlorobiphenyl	99	75 - 127

Riverside Square PCB - Boston, MA

PCBs Medium Level in Soils and Sediments

Client Sample ID:	S50134MA-0397	Lab Sample ID:	AC08172
Date of Collection:	7/25/2023	Matrix:	Soil
Date of Preparation:	8/17/2023	Amount Prepared:	N/A
Date of Analysis:	8/24/2023	Percent Solids:	86%
Dry Weight Prepared:	8.615 grams	Extract Dilution:	1
Wet Weight Prepared:	10.034 grams	pH:	N/A
Volume Extracted:	N/A	GPC Factor:	N/A
Final Volume:	5 mL		

CAS Number	Compound	Concentration mg/Kg	RL mg/Kg	Qualifier
12674-11-2	Aroclor-1016	ND	0.06	
11104-28-2	Aroclor-1221	ND	0.06	
11141-16-5	Aroclor-1232	ND	0.06	
53469-21-9	Aroclor-1242	ND	0.06	
12672-29-6	Aroclor-1248	ND	0.06	
11097-69-1	Aroclor-1254	**0.07**	0.06	
11096-82-5	Aroclor-1260	ND	0.06	
37234-23-5	Aroclor-1262	ND	0.06	
11100-14-4	Aroclor-1268	ND	0.06	

Surrogate Compounds	Recoveries (%)	QC Ranges
2,4,5,6-Tetrachloro-m-xylene	67	40 - 84
Decachlorobiphenyl	103	75 - 127

Riverside Square PCB - Boston, MA

PCBs Medium Level in Soils and Sediments

Client Sample ID:	S50134MA-0366	Lab Sample ID:	AC08173
Date of Collection:	7/24/2023	Matrix:	Soil
Date of Preparation:	8/17/2023	Amount Prepared:	N/A
Date of Analysis:	8/24/2023	Percent Solids:	67%
Dry Weight Prepared:	6.895 grams	Extract Dilution:	1
Wet Weight Prepared:	10.288 grams	pH:	N/A
Volume Extracted:	N/A	GPC Factor:	N/A
Final Volume:	5 mL		

CAS Number	Compound	Concentration mg/Kg	RL mg/Kg	Qualifier
12674-11-2	Aroclor-1016	ND	0.07	
11104-28-2	Aroclor-1221	ND	0.07	
11141-16-5	Aroclor-1232	ND	0.07	
53469-21-9	Aroclor-1242	ND	0.07	
12672-29-6	Aroclor-1248	ND	0.07	
11097-69-1	Aroclor-1254	**0.60**	0.07	
11096-82-5	Aroclor-1260	ND	0.07	
37234-23-5	Aroclor-1262	ND	0.07	
11100-14-4	Aroclor-1268	ND	0.07	

Surrogate Compounds	Recoveries (%)	QC Ranges
2,4,5,6-Tetrachloro-m-xylene	62	40 - 84
Decachlorobiphenyl	98	75 - 127

Riverside Square PCB - Boston, MA

PCBs Medium Level in Soils and Sediments

Client Sample ID:	S50134MA-0376	Lab Sample ID:	AC08174
Date of Collection:	7/25/2023	Matrix:	Soil
Date of Preparation:	8/17/2023	Amount Prepared:	N/A
Date of Analysis:	8/24/2023	Percent Solids:	80%
Dry Weight Prepared:	6.866 grams	Extract Dilution:	1
Wet Weight Prepared:	8.607 grams	pH:	N/A
Volume Extracted:	N/A	GPC Factor:	N/A
Final Volume:	5 mL		

CAS Number	Compound	Concentration mg/Kg	RL mg/Kg	Qualifier
12674-11-2	Aroclor-1016	ND	0.07	
11104-28-2	Aroclor-1221	ND	0.07	
11141-16-5	Aroclor-1232	ND	0.07	
53469-21-9	Aroclor-1242	ND	0.07	
12672-29-6	Aroclor-1248	**0.77**	0.07	
11097-69-1	Aroclor-1254	**1.1**	0.07	
11096-82-5	Aroclor-1260	ND	0.07	
37234-23-5	Aroclor-1262	ND	0.07	
11100-14-4	Aroclor-1268	ND	0.07	

Surrogate Compounds	Recoveries (%)	QC Ranges
2,4,5,6-Tetrachloro-m-xylene	66	40 - 84
Decachlorobiphenyl	101	75 - 127

Riverside Square PCB - Boston, MA

PCBs Medium Level in Soils and Sediments

Client Sample ID:	S50134MA-0390	Lab Sample ID:	AC08175
Date of Collection:	7/25/2023	Matrix:	Soil
Date of Preparation:	8/17/2023	Amount Prepared:	N/A
Date of Analysis:	8/24/2023	Percent Solids:	74%
Dry Weight Prepared:	6.887 grams	Extract Dilution:	1
Wet Weight Prepared:	9.268 grams	pH:	N/A
Volume Extracted:	N/A	GPC Factor:	N/A
Final Volume:	5 mL		

CAS Number	Compound	Concentration mg/Kg	RL mg/Kg	Qualifier
12674-11-2	Aroclor-1016	ND	0.07	
11104-28-2	Aroclor-1221	ND	0.07	
11141-16-5	Aroclor-1232	ND	0.07	
53469-21-9	Aroclor-1242	ND	0.07	
12672-29-6	Aroclor-1248	**0.72**	0.07	
11097-69-1	Aroclor-1254	**0.76**	0.07	
11096-82-5	Aroclor-1260	ND	0.07	
37234-23-5	Aroclor-1262	ND	0.07	
11100-14-4	Aroclor-1268	ND	0.07	

Surrogate Compounds	Recoveries (%)	QC Ranges
2,4,5,6-Tetrachloro-m-xylene	69	40 - 84
Decachlorobiphenyl	113	75 - 127

Riverside Square PCB - Boston, MA

PCBs Medium Level in Soils and Sediments

Client Sample ID:	S50134MA-0394	Lab Sample ID:	AC08176
Date of Collection:	7/25/2023	Matrix:	Soil
Date of Preparation:	8/17/2023	Amount Prepared:	N/A
Date of Analysis:	8/24/2023	Percent Solids:	84%
Dry Weight Prepared:	8.476 grams	Extract Dilution:	1
Wet Weight Prepared:	10.053 grams	pH:	N/A
Volume Extracted:	N/A	GPC Factor:	N/A
Final Volume:	5 mL		

CAS Number	Compound	Concentration mg/Kg	RL mg/Kg	Qualifier
12674-11-2	Aroclor-1016	ND	0.06	
11104-28-2	Aroclor-1221	ND	0.06	
11141-16-5	Aroclor-1232	ND	0.06	
53469-21-9	Aroclor-1242	ND	0.06	
12672-29-6	Aroclor-1248	**0.09**	0.06	
11097-69-1	Aroclor-1254	**0.10**	0.06	
11096-82-5	Aroclor-1260	ND	0.06	
37234-23-5	Aroclor-1262	ND	0.06	
11100-14-4	Aroclor-1268	ND	0.06	

Surrogate Compounds	Recoveries (%)	QC Ranges
2,4,5,6-Tetrachloro-m-xylene	66	40 - 84
Decachlorobiphenyl	98	75 - 127

Riverside Square PCB - Boston, MA

PCBs Medium Level in Soils and Sediments

Client Sample ID:	S50134MA-0395	Lab Sample ID:	AC08177
Date of Collection:	7/25/2023	Matrix:	Soil
Date of Preparation:	8/17/2023	Amount Prepared:	N/A
Date of Analysis:	8/24/2023	Percent Solids:	86%
Dry Weight Prepared:	10.999 grams	Extract Dilution:	1
Wet Weight Prepared:	12.771 grams	pH:	N/A
Volume Extracted:	N/A	GPC Factor:	N/A
Final Volume:	5 mL		

CAS Number	Compound	Concentration mg/Kg	RL mg/Kg	Qualifier
12674-11-2	Aroclor-1016	ND	0.05	
11104-28-2	Aroclor-1221	ND	0.05	
11141-16-5	Aroclor-1232	ND	0.05	
53469-21-9	Aroclor-1242	ND	0.05	
12672-29-6	Aroclor-1248	ND	0.05	
11097-69-1	Aroclor-1254	ND	0.05	
11096-82-5	Aroclor-1260	ND	0.05	
37234-23-5	Aroclor-1262	ND	0.05	
11100-14-4	Aroclor-1268	ND	0.05	

Surrogate Compounds	Recoveries (%)	QC Ranges
2,4,5,6-Tetrachloro-m-xylene	69	40 - 84
Decachlorobiphenyl	97	75 - 127

Riverside Square PCB - Boston, MA

PCBs Medium Level in Soils and Sediments

Client Sample ID:	S50134MA-0154	Lab Sample ID:	AC08178
Date of Collection:	7/20/2023	Matrix:	Soil
Date of Preparation:	8/17/2023	Amount Prepared:	N/A
Date of Analysis:	8/31/2023	Percent Solids:	71%
Dry Weight Prepared:	5.313 grams	Extract Dilution:	4
Wet Weight Prepared:	7.516 grams	pH:	N/A
Volume Extracted:	N/A	GPC Factor:	N/A
Final Volume:	5 mL		

CAS Number	Compound	Concentration mg/Kg	RL mg/Kg	Qualifier
12674-11-2	Aroclor-1016	ND	0.38	
11104-28-2	Aroclor-1221	ND	0.38	
11141-16-5	Aroclor-1232	ND	0.38	
53469-21-9	Aroclor-1242	ND	0.38	
12672-29-6	Aroclor-1248	ND	0.38	
11097-69-1	Aroclor-1254	**2.6**	0.38	
11096-82-5	Aroclor-1260	ND	0.09	
37234-23-5	Aroclor-1262	ND	0.38	
11100-14-4	Aroclor-1268	ND	0.38	

Surrogate Compounds	Recoveries (%)	QC Ranges
2,4,5,6-Tetrachloro-m-xylene	58	40 - 84
Decachlorobiphenyl	130	75 - 127

Riverside Square PCB - Boston, MA

PCBs Medium Level in Soils and Sediments

Client Sample ID:	S50134MA-0434	Lab Sample ID:	AC08179
Date of Collection:	7/20/2023	Matrix:	Soil
Date of Preparation:	8/17/2023	Amount Prepared:	N/A
Date of Analysis:	8/24/2023	Percent Solids:	70%
Dry Weight Prepared:	5.521 grams	Extract Dilution:	1
Wet Weight Prepared:	7.917 grams	pH:	N/A
Volume Extracted:	N/A	GPC Factor:	N/A
Final Volume:	5 mL		

CAS Number	Compound	Concentration mg/Kg	RL mg/Kg	Qualifier
12674-11-2	Aroclor-1016	ND	0.09	
11104-28-2	Aroclor-1221	ND	0.09	
11141-16-5	Aroclor-1232	ND	0.09	
53469-21-9	Aroclor-1242	ND	0.09	
12672-29-6	Aroclor-1248	**0.20**	0.09	
11097-69-1	Aroclor-1254	**0.42**	0.09	
11096-82-5	Aroclor-1260	ND	0.09	
37234-23-5	Aroclor-1262	ND	0.09	
11100-14-4	Aroclor-1268	ND	0.09	

Surrogate Compounds	Recoveries (%)	QC Ranges
2,4,5,6-Tetrachloro-m-xylene	56	40 - 84
Decachlorobiphenyl	97	75 - 127

Riverside Square PCB - Boston, MA

PCBs Medium Level in Soils and Sediments

Client Sample ID:	S50134MA-0159	Lab Sample ID:	AC08180
Date of Collection:	7/20/2023	Matrix:	Soil
Date of Preparation:	8/17/2023	Amount Prepared:	N/A
Date of Analysis:	8/24/2023	Percent Solids:	70%
Dry Weight Prepared:	7.080 grams	Extract Dilution:	1
Wet Weight Prepared:	10.102 grams	pH:	N/A
Volume Extracted:	N/A	GPC Factor:	N/A
Final Volume:	5 mL		

CAS Number	Compound	Concentration mg/Kg	RL mg/Kg	Qualifier
12674-11-2	Aroclor-1016	ND	0.07	
11104-28-2	Aroclor-1221	ND	0.07	
11141-16-5	Aroclor-1232	ND	0.07	
53469-21-9	Aroclor-1242	ND	0.07	
12672-29-6	Aroclor-1248	ND	0.07	
11097-69-1	Aroclor-1254	**0.78**	0.07	
11096-82-5	Aroclor-1260	ND	0.07	
37234-23-5	Aroclor-1262	ND	0.07	
11100-14-4	Aroclor-1268	ND	0.07	

Surrogate Compounds	Recoveries (%)	QC Ranges
2,4,5,6-Tetrachloro-m-xylene	61	40 - 84
Decachlorobiphenyl	95	75 - 127

Riverside Square PCB - Boston, MA

PCBs Medium Level in Soils and Sediments

Client Sample ID:	S50134MA-0163	Lab Sample ID:	AC08181
Date of Collection:	7/20/2023	Matrix:	Soil
Date of Preparation:	8/17/2023	Amount Prepared:	N/A
Date of Analysis:	8/24/2023	Percent Solids:	78%
Dry Weight Prepared:	9.014 grams	Extract Dilution:	1
Wet Weight Prepared:	11.617 grams	pH:	N/A
Volume Extracted:	N/A	GPC Factor:	N/A
Final Volume:	5 mL		

CAS Number	Compound	Concentration mg/Kg	RL mg/Kg	Qualifier
12674-11-2	Aroclor-1016	ND	0.06	
11104-28-2	Aroclor-1221	ND	0.06	
11141-16-5	Aroclor-1232	ND	0.06	
53469-21-9	Aroclor-1242	ND	0.06	
12672-29-6	Aroclor-1248	**0.65**	0.06	
11097-69-1	Aroclor-1254	**0.77**	0.06	
11096-82-5	Aroclor-1260	ND	0.06	
37234-23-5	Aroclor-1262	ND	0.06	
11100-14-4	Aroclor-1268	ND	0.06	

Surrogate Compounds	Recoveries (%)	QC Ranges
2,4,5,6-Tetrachloro-m-xylene	66	40 - 84
Decachlorobiphenyl	98	75 - 127

Riverside Square PCB - Boston, MA

PCBs Medium Level in Soils and Sediments

Client Sample ID:	S50134MA-0413	Lab Sample ID:	AC08182
Date of Collection:	7/25/2023	Matrix:	Soil
Date of Preparation:	8/17/2023	Amount Prepared:	N/A
Date of Analysis:	8/24/2023	Percent Solids:	71%
Dry Weight Prepared:	7.701 grams	Extract Dilution:	1
Wet Weight Prepared:	10.819 grams	pH:	N/A
Volume Extracted:	N/A	GPC Factor:	N/A
Final Volume:	5 mL		

CAS Number	Compound	Concentration mg/Kg	RL mg/Kg	Qualifier
12674-11-2	Aroclor-1016	ND	0.07	
11104-28-2	Aroclor-1221	ND	0.07	
11141-16-5	Aroclor-1232	ND	0.07	
53469-21-9	Aroclor-1242	ND	0.07	
12672-29-6	Aroclor-1248	**0.08**	0.07	
11097-69-1	Aroclor-1254	**0.08**	0.07	
11096-82-5	Aroclor-1260	ND	0.07	
37234-23-5	Aroclor-1262	ND	0.07	
11100-14-4	Aroclor-1268	ND	0.07	

Surrogate Compounds	Recoveries (%)	QC Ranges
2,4,5,6-Tetrachloro-m-xylene	57	40 - 84
Decachlorobiphenyl	98	75 - 127

Riverside Square PCB - Boston, MA

PCBs Medium Level in Soils and Sediments

Client Sample ID:	S50134MA-0313	Lab Sample ID:	AC08183
Date of Collection:	7/24/2023	Matrix:	Soil
Date of Preparation:	8/17/2023	Amount Prepared:	N/A
Date of Analysis:	8/24/2023	Percent Solids:	76%
Dry Weight Prepared:	8.605 grams	Extract Dilution:	1
Wet Weight Prepared:	11.335 grams	pH:	N/A
Volume Extracted:	N/A	GPC Factor:	N/A
Final Volume:	5 mL		

CAS Number	Compound	Concentration mg/Kg	RL mg/Kg	Qualifier
12674-11-2	Aroclor-1016	ND	0.06	
11104-28-2	Aroclor-1221	ND	0.06	
11141-16-5	Aroclor-1232	ND	0.06	
53469-21-9	Aroclor-1242	ND	0.06	
12672-29-6	Aroclor-1248	**1.1**	0.06	
11097-69-1	Aroclor-1254	**1.1**	0.06	
11096-82-5	Aroclor-1260	ND	0.06	
37234-23-5	Aroclor-1262	ND	0.06	
11100-14-4	Aroclor-1268	ND	0.06	

Surrogate Compounds	Recoveries (%)	QC Ranges
2,4,5,6-Tetrachloro-m-xylene	64	40 - 84
Decachlorobiphenyl	103	75 - 127

Riverside Square PCB - Boston, MA

PCBs Medium Level in Soils and Sediments

Client Sample ID:	S50134MA-0289	Lab Sample ID:	AC08184
Date of Collection:	7/24/2023	Matrix:	Soil
Date of Preparation:	8/17/2023	Amount Prepared:	N/A
Date of Analysis:	8/31/2023	Percent Solids:	77%
Dry Weight Prepared:	10.409 grams	Extract Dilution:	4
Wet Weight Prepared:	13.454 grams	pH:	N/A
Volume Extracted:	N/A	GPC Factor:	N/A
Final Volume:	5 mL		

CAS Number	Compound	Concentration mg/Kg	RL mg/Kg	Qualifier
12674-11-2	Aroclor-1016	ND	0.19	
11104-28-2	Aroclor-1221	ND	0.19	
11141-16-5	Aroclor-1232	ND	0.19	
53469-21-9	Aroclor-1242	ND	0.19	
12672-29-6	Aroclor-1248	**1.2**	0.19	
11097-69-1	Aroclor-1254	**1.2**	0.19	
11096-82-5	Aroclor-1260	ND	0.19	
37234-23-5	Aroclor-1262	ND	0.19	
11100-14-4	Aroclor-1268	ND	0.19	

Surrogate Compounds	Recoveries (%)	QC Ranges
2,4,5,6-Tetrachloro-m-xylene	68	40 - 84
Decachlorobiphenyl	103	75 - 127

Riverside Square PCB - Boston, MA

MATRIX SPIKE (MS) RECOVERY

Sample ID: AC08170

PARAMETER	SPIKE ADDED mg/Kg	SAMPLE CONCENTRATION mg/Kg	MS CONCENTRATION mg/Kg	MS % REC	QC LIMITS (% REC)
Aroclor-1016	0.573	ND	0.482	84	39 - 142
Aroclor-1260	0.573	ND	0.587	102	43 - 152

Riverside Square PCB - Boston, MA

MATRIX SPIKE DUPLICATE (MSD) RECOVERY

Sample ID:AC08170

PARAMETER	MSD SPIKE ADDED	MSD CONCENTRATION mg/Kg	MSD % REC	RPD %	QC LIMITS RPD
Aroclor-1016	0.568	0.443	78	7.56	50
Aroclor-1260	0.568	0.554	98	4.90	50

Riverside Square PCB - Boston, MA

Laboratory Duplicate Results

Sample ID: AC08170

PARAMETER	SAMPLE RESULT mg/Kg	SAMPLE DUPLICATE RESULT mg/Kg	PRECISION RPD %	QC LIMITS
Aroclor-1016	ND	ND	NC	50
Aroclor-1221	ND	ND	NC	50
Aroclor-1232	ND	ND	NC	50
Aroclor-1242	ND	ND	NC	50
Aroclor-1248	ND	ND	NC	50
Aroclor-1254	ND	ND	NC	50
Aroclor-1260	ND	ND	NC	50
Aroclor-1262	ND	ND	NC	50
Aroclor-1268	ND	ND	NC	50

Riverside Square PCB - Boston, MA

Laboratory Fortified Blank (LFB) Results

PARAMETER	LFB AMOUNT SPIKED mg/Kg	LFB RESULT mg/Kg	LFB RECOVERY %	QC LIMITS %
Aroclor-1016	0.792	0.7038	89	74 - 123
Aroclor-1260	0.792	0.940	119	77 - 133

Comments:

Samples in Batch: AC08170, AC08171, AC08172, AC08173, AC08174, AC08175, AC08176, AC08177, AC08178, AC08179, AC08180, AC08181, AC08182, AC08183, AC08184

US EPA Region 1
11 Technology Drive, N. Chelmsford, MA 01863

CHAIN OF CUSTODY RECORD

EPA Project No:	Project Name & Location:	Sampler's Name and Signature:
23080029	Riverside Square PCB	

Matrix (insert letter in column below)

A. Drinking water	F. Soil/Sediment/Solid
B. Ground/Well water	G. Oil/Solvent/Liquid
C. Storm water	H. Soil Gas
D. Surface water	I. Air Canister
E. Wastewater	J. _____

Preservative (insert # in box to the right) --->

1. Ice	6. NaOH, pH>12
2. H_2SO_4, pH<2	7. Ascorbic Acid
3. HNO_3, pH<2	8. MeOH
4. HCl, pH<2	9. Other _____
5. $Na_2S_2O_3$	10. Other _____

For EPA Staff Only: If after hours or nobody is available, leave cooler(s) and signed COC in the walk-in fridge (Room 190A) and notify appropriate staff for next day check-in.

Sample ID	Date	Time	Comp	Grab	Matrix	# of Containers	Analysis Requested: PCB	Sample Specific Comments
S50134MA-0374	7/25/23	09:50			Soil	1	X	789
0378	7/25/23	09:50				1	X	794
0397	7/25/23	11:42				1	X	803
0366	7/24/23	10:40				1	X	812
0376	7/25/23	09:36				1	X	815
0390	7/25/23	10:55				1	X	820
0394	7/25/23	11:05				1	X	822
0395	7/25/23	11:11				1	X	824
0154	7/20/23	11:55				1	X	829
0434	7/20/23	11:30				1	X	830
0159	7/20/23	14:10				1	X	851
0163	7/20/23	10:43				1	X	856
0413	7/25/23	13:40				1	X	863
0313	7/24/23	11:05				1	X	870
0289	7/24/23	09:43				1	X	875

Relinquished by: (Signature)	Received by: (Signature)	Date	Time	Remarks
[signature]	[signature]	8/15/23	12:32	
Relinquished by: (Signature)	Received by: (Signature)	Date	Time	
Relinquished by: (Signature)	Received for Laboratory by: (Signature)	Date	Time	
[signature]	[signature] ESAT	8-15-23	12:32	

Distribution: Original Accompanies Shipment. Copy to Coordinator Field Files.

FSBFORM-CHAINCUSTODY1
Revision 1
05/16/2022

US EPA REGION 1
SAMPLE RECEIPT CHECKLIST

PROJ #: 23080029	RECEIPT DATE: 8-15-13
SURVEY NAME: RIVERSIDE SQUARE PCB LOCATION: BOSTON, MA	REC'D BY: Doris Guzman (ESAT)
OSC/PO: Ed Hathaway (2-MO)	SITE ID: 01HG SUPERFUND: Y

WERE SAMPLES SHIPPED? N TRACKING #: _____ DATE/SENT: _____ NO, IN HOUSE	
COOLER TEMPERATURE UPON ARRIVAL: 4.0 °C / NA	
CHAIN OF CUSTODY PRESENT?	Y
COMPLETE?	Y
CUSTODY SEALS PRESENT ON COOLER?	N
SAMPLES?	N
WERE SAMPLE CONTAINERS INTACT?	Y
WAS SAMPLE PRESERVATION DOCUMENTED? COC Sample Container	N
APPROPRIATE SAMPLES VOLUME FOR REQUESTED ANALYSIS?	Y
SAMPLES AND COC MATCH?	Y
IF ANY PROBLEMS WAS PROJECT MANAGER NOTIFIED? BY WHOM? _____	
APPROPRIATE SAMPLE CONTAINERS?	Y
SAMPLES WITHIN HOLDING TIMES?	Y
ALL ANALYSIS SPECIFIED ON COC?	Y
DATE/TIME OF COLLECTION ON COC	Y
TURN-AROUND TIME: 4 WEEKS	

COMMENTS:

Soil samples for confirmatory analysis

15 $PCBMS

United States Environmental Protection Agency
Laboratory Services and Applied Science Division
11 Technology Drive
North Chelmsford, MA 01863-2431

Laboratory Report

September 13, 2023

Tom Hatzopoulos (2-MO)
US EPA New England R1

Project Number: 23080030
Project: Riverside Square PCB - Boston, MA
Analysis: PCBs Medium Level in Soils and Sediments
EPA Chemist: Phillip Gudgel

Date Samples Received by the Laboratory: 08/15/2023

Analytical Procedure:

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

Sample preparation and analysis was done following the EPA Region I SOP, LSBSOP-PESTSOIL6.

The SOP is based on EPA SW-846 Method 8082A

The analysis was performed using high resolution capillary column gas chromatography equipped with dual electron capture detectors. The 30 meter dual capillary column system consists of a J&W DB-5 and J&W DB-1701,

Data were reviewed in accordance with the internal verification procedures described in the EPA New England Quality Manual for NERL.

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 BOUDREAU

Digitally signed by DANIEL BOUDREAU
Date: 2023.09.13 10:36:02 -04'00'

23080030$PCBMS

Qualifiers:

RL = Reporting limit
ND = Not Detected above Reporting limit
NA = Not Applicable due to high sample dilutions or sample interferences
NC = Not calculated since analyte concentration is ND.
J = Estimated value
J1 = Estimated value due to MS recovery outside accceptance criteria
J2 = Estimated value due to LFB result outside acceptance criteria
J3 = Estimated value due to RPD result outside acceptance criteria
J4 = Estimated value due to LCS result outside acceptance criteria
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.
R = No recovery was calculated since the analyte concentration is greater than four times the spike level.
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.
A = Suspected Aldol condensation product.
N = Tentatively identified compound.
ANR = Analysis not required.

Riverside Square PCB - Boston, MA

PCBs Medium Level in Soils and Sediments

Client Sample ID:	S50134MA-0182	Lab Sample ID:	AC08185
Date of Collection:	7/21/2023	Matrix:	Soil
Date of Preparation:	8/16/2023	Amount Prepared:	N/A
Date of Analysis:	8/23/2023	Percent Solids:	71%
Dry Weight Prepared:	7.444 grams	Extract Dilution:	1
Wet Weight Prepared:	10.475 grams	pH:	N/A
Volume Extracted:	N/A	GPC Factor:	N/A
Final Volume:	5 mL		

CAS Number	Compound	Concentration mg/Kg	RL mg/Kg	Qualifier
12674-11-2	Aroclor-1016	ND	0.07	
11104-28-2	Aroclor-1221	ND	0.07	
11141-16-5	Aroclor-1232	ND	0.07	
53469-21-9	Aroclor-1242	ND	0.07	
12672-29-6	Aroclor-1248	**0.32**	0.07	
11097-69-1	Aroclor-1254	**0.60**	0.07	
11096-82-5	Aroclor-1260	ND	0.07	
37234-23-5	Aroclor-1262	ND	0.07	
11100-14-4	Aroclor-1268	ND	0.07	

Surrogate Compounds	Recoveries (%)	QC Ranges
2,4,5,6-Tetrachloro-m-xylene	61	40 - 84
Decachlorobiphenyl	99	75 - 127

Riverside Square PCB - Boston, MA

PCBs Medium Level in Soils and Sediments

Client Sample ID:	S50134MA-0325	Lab Sample ID:	AC08186
Date of Collection:	7/24/2023	Matrix:	Soil
Date of Preparation:	8/16/2023	Amount Prepared:	N/A
Date of Analysis:	8/23/2023	Percent Solids:	72%
Dry Weight Prepared:	7.064 grams	Extract Dilution:	1
Wet Weight Prepared:	9.757 grams	pH:	N/A
Volume Extracted:	N/A	GPC Factor:	N/A
Final Volume:	5 mL		

CAS Number	Compound	Concentration mg/Kg	RL mg/Kg	Qualifier
12674-11-2	Aroclor-1016	ND	0.07	
11104-28-2	Aroclor-1221	ND	0.07	
11141-16-5	Aroclor-1232	ND	0.07	
53469-21-9	Aroclor-1242	ND	0.07	
12672-29-6	Aroclor-1248	**0.53**	0.07	
11097-69-1	Aroclor-1254	**0.68**	0.07	
11096-82-5	Aroclor-1260	ND	0.07	
37234-23-5	Aroclor-1262	ND	0.07	
11100-14-4	Aroclor-1268	ND	0.07	

Surrogate Compounds	Recoveries (%)	QC Ranges
2,4,5,6-Tetrachloro-m-xylene	57	40 - 84
Decachlorobiphenyl	101	75 - 127

Riverside Square PCB - Boston, MA

PCBs Medium Level in Soils and Sediments

Client Sample ID:	S50134MA-0385	Lab Sample ID:	AC08187
Date of Collection:	7/25/2023	Matrix:	Soil
Date of Preparation:	8/16/2023	Amount Prepared:	N/A
Date of Analysis:	8/23/2023	Percent Solids:	70%
Dry Weight Prepared:	13.907 grams	Extract Dilution:	4
Wet Weight Prepared:	19.972 grams	pH:	N/A
Volume Extracted:	N/A	GPC Factor:	N/A
Final Volume:	5 mL		

CAS Number	Compound	Concentration mg/Kg	RL mg/Kg	Qualifier
12674-11-2	Aroclor-1016	ND	0.04	
11104-28-2	Aroclor-1221	ND	0.04	
11141-16-5	Aroclor-1232	ND	0.04	
53469-21-9	Aroclor-1242	ND	0.04	
12672-29-6	Aroclor-1248	**1.4**	0.04	
11097-69-1	Aroclor-1254	**1.2**	0.04	
11096-82-5	Aroclor-1260	ND	0.04	
37234-23-5	Aroclor-1262	ND	0.04	
11100-14-4	Aroclor-1268	ND	0.04	

Surrogate Compounds	Recoveries (%)	QC Ranges
2,4,5,6-Tetrachloro-m-xylene	68	40 - 84
Decachlorobiphenyl	102	75 - 127

Riverside Square PCB - Boston, MA

PCBs Medium Level in Soils and Sediments

Client Sample ID:	S50134MA-0157	Lab Sample ID:	AC08188
Date of Collection:	7/20/2023	Matrix:	Soil
Date of Preparation:	8/16/2023	Amount Prepared:	N/A
Date of Analysis:	8/23/2023	Percent Solids:	82%
Dry Weight Prepared:	7.670 grams	Extract Dilution:	1
Wet Weight Prepared:	9.378 grams	pH:	N/A
Volume Extracted:	N/A	GPC Factor:	N/A
Final Volume:	5 mL		

CAS Number	Compound	Concentration mg/Kg	RL mg/Kg	Qualifier
12674-11-2	Aroclor-1016	ND	0.07	
11104-28-2	Aroclor-1221	ND	0.07	
11141-16-5	Aroclor-1232	ND	0.07	
53469-21-9	Aroclor-1242	ND	0.07	
12672-29-6	Aroclor-1248	**1.0**	0.07	
11097-69-1	Aroclor-1254	**0.91**	0.07	
11096-82-5	Aroclor-1260	ND	0.07	
37234-23-5	Aroclor-1262	ND	0.07	
11100-14-4	Aroclor-1268	ND	0.07	

Surrogate Compounds	Recoveries (%)	QC Ranges
2,4,5,6-Tetrachloro-m-xylene	49	40 - 84
Decachlorobiphenyl	90	75 - 127

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PCBs Medium Level in Soils and Sediments

Client Sample ID:	S50134MA-0186	Lab Sample ID:	AC08189
Date of Collection:	7/21/2023	Matrix:	Soil
Date of Preparation:	8/16/2023	Amount Prepared:	N/A
Date of Analysis:	8/23/2023	Percent Solids:	85%
Dry Weight Prepared:	7.280 grams	Extract Dilution:	1
Wet Weight Prepared:	8.540 grams	pH:	N/A
Volume Extracted:	N/A	GPC Factor:	N/A
Final Volume:	5 mL		

CAS Number	Compound	Concentration mg/Kg	RL mg/Kg	Qualifier
12674-11-2	Aroclor-1016	ND	0.07	
11104-28-2	Aroclor-1221	ND	0.07	
11141-16-5	Aroclor-1232	ND	0.07	
53469-21-9	Aroclor-1242	ND	0.07	
12672-29-6	Aroclor-1248	**0.78**	0.07	
11097-69-1	Aroclor-1254	**1.0**	0.07	
11096-82-5	Aroclor-1260	ND	0.07	
37234-23-5	Aroclor-1262	ND	0.07	
11100-14-4	Aroclor-1268	ND	0.07	

Surrogate Compounds	Recoveries (%)	QC Ranges
2,4,5,6-Tetrachloro-m-xylene	46	40 - 84
Decachlorobiphenyl	95	75 - 127

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PCBs Medium Level in Soils and Sediments

Client Sample ID:	S50134MA-0167	Lab Sample ID:	AC08190
Date of Collection:	7/20/2023	Matrix:	Soil
Date of Preparation:	8/16/2023	Amount Prepared:	N/A
Date of Analysis:	8/23/2023	Percent Solids:	78%
Dry Weight Prepared:	8.102 grams	Extract Dilution:	1
Wet Weight Prepared:	10.415 grams	pH:	N/A
Volume Extracted:	N/A	GPC Factor:	N/A
Final Volume:	5 mL		

CAS Number	Compound	Concentration mg/Kg	RL mg/Kg	Qualifier
12674-11-2	Aroclor-1016	ND	0.06	
11104-28-2	Aroclor-1221	ND	0.06	
11141-16-5	Aroclor-1232	ND	0.06	
53469-21-9	Aroclor-1242	ND	0.06	
12672-29-6	Aroclor-1248	**0.70**	0.06	
11097-69-1	Aroclor-1254	**0.83**	0.06	
11096-82-5	Aroclor-1260	ND	0.06	
37234-23-5	Aroclor-1262	ND	0.06	
11100-14-4	Aroclor-1268	ND	0.06	

Surrogate Compounds	Recoveries (%)	QC Ranges
2,4,5,6-Tetrachloro-m-xylene	39	40 - 84
Decachlorobiphenyl	104	75 - 127

Comments: Surrogate recovery for TCX was below QC limits. Recovery for DCB was acceptable.

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PCBs Medium Level in Soils and Sediments

Client Sample ID:	S50134MA-0401	Lab Sample ID:	AC08191
Date of Collection:	7/25/2023	Matrix:	Soil
Date of Preparation:	8/16/2023	Amount Prepared:	N/A
Date of Analysis:	8/23/2023	Percent Solids:	87%
Dry Weight Prepared:	5.853 grams	Extract Dilution:	1
Wet Weight Prepared:	6.705 grams	pH:	N/A
Volume Extracted:	N/A	GPC Factor:	N/A
Final Volume:	5 mL		

CAS Number	Compound	Concentration mg/Kg	RL mg/Kg	Qualifier
12674-11-2	Aroclor-1016	ND	0.09	
11104-28-2	Aroclor-1221	ND	0.09	
11141-16-5	Aroclor-1232	ND	0.09	
53469-21-9	Aroclor-1242	ND	0.09	
12672-29-6	Aroclor-1248	**0.51**	0.09	
11097-69-1	Aroclor-1254	**1.0**	0.09	
11096-82-5	Aroclor-1260	ND	0.09	
37234-23-5	Aroclor-1262	ND	0.09	
11100-14-4	Aroclor-1268	ND	0.09	

Surrogate Compounds	Recoveries (%)	QC Ranges
2,4,5,6-Tetrachloro-m-xylene	65	40 - 84
Decachlorobiphenyl	94	75 - 127

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PCBs Medium Level in Soils and Sediments

Client Sample ID:	S50134MA-0314	Lab Sample ID:	AC08192
Date of Collection:	7/24/2023	Matrix:	Soil
Date of Preparation:	8/16/2023	Amount Prepared:	N/A
Date of Analysis:	8/23/2023	Percent Solids:	68%
Dry Weight Prepared:	7.925 grams	Extract Dilution:	1
Wet Weight Prepared:	11.607 grams	pH:	N/A
Volume Extracted:	N/A	GPC Factor:	N/A
Final Volume:	5 mL		

CAS Number	Compound	Concentration mg/Kg	RL mg/Kg	Qualifier
12674-11-2	Aroclor-1016	ND	0.06	
11104-28-2	Aroclor-1221	ND	0.06	
11141-16-5	Aroclor-1232	ND	0.06	
53469-21-9	Aroclor-1242	ND	0.06	
12672-29-6	Aroclor-1248	**0.68**	0.06	
11097-69-1	Aroclor-1254	**0.82**	0.06	
11096-82-5	Aroclor-1260	ND	0.06	
37234-23-5	Aroclor-1262	ND	0.06	
11100-14-4	Aroclor-1268	ND	0.06	

Surrogate Compounds	Recoveries (%)	QC Ranges
2,4,5,6-Tetrachloro-m-xylene	63	40 - 84
Decachlorobiphenyl	100	75 - 127

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PCBs Medium Level in Soils and Sediments

Client Sample ID:	S50134MA-0427	Lab Sample ID:	AC08193
Date of Collection:	7/25/2023	Matrix:	Soil
Date of Preparation:	8/16/2023	Amount Prepared:	N/A
Date of Analysis:	8/23/2023	Percent Solids:	83%
Dry Weight Prepared:	7.271 grams	Extract Dilution:	1
Wet Weight Prepared:	8.752 grams	pH:	N/A
Volume Extracted:	N/A	GPC Factor:	N/A
Final Volume:	5 mL		

CAS Number	Compound	Concentration mg/Kg	RL mg/Kg	Qualifier
12674-11-2	Aroclor-1016	ND	0.07	
11104-28-2	Aroclor-1221	ND	0.07	
11141-16-5	Aroclor-1232	ND	0.07	
53469-21-9	Aroclor-1242	ND	0.07	
12672-29-6	Aroclor-1248	**0.68**	0.07	
11097-69-1	Aroclor-1254	**0.84**	0.07	
11096-82-5	Aroclor-1260	ND	0.07	
37234-23-5	Aroclor-1262	ND	0.07	
11100-14-4	Aroclor-1268	ND	0.07	

Surrogate Compounds	Recoveries (%)	QC Ranges
2,4,5,6-Tetrachloro-m-xylene	54	40 - 84
Decachlorobiphenyl	88	75 - 127

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PCBs Medium Level in Soils and Sediments

Client Sample ID:	S50134MA-0299	Lab Sample ID:	AC08194
Date of Collection:	7/24/2023	Matrix:	Soil
Date of Preparation:	8/16/2023	Amount Prepared:	N/A
Date of Analysis:	8/31/2023	Percent Solids:	82%
Dry Weight Prepared:	10.320 grams	Extract Dilution:	4
Wet Weight Prepared:	12.610 grams	pH:	N/A
Volume Extracted:	N/A	GPC Factor:	N/A
Final Volume:	5 mL		

CAS Number	Compound	Concentration mg/Kg	RL mg/Kg	Qualifier
12674-11-2	Aroclor-1016	ND	0.19	
11104-28-2	Aroclor-1221	ND	0.19	
11141-16-5	Aroclor-1232	ND	0.19	
53469-21-9	Aroclor-1242	ND	0.19	
12672-29-6	Aroclor-1248	**0.77**	0.19	
11097-69-1	Aroclor-1254	**1.2**	0.19	
11096-82-5	Aroclor-1260	ND	0.19	
37234-23-5	Aroclor-1262	ND	0.19	
11100-14-4	Aroclor-1268	ND	0.19	

Surrogate Compounds	Recoveries (%)	QC Ranges
2,4,5,6-Tetrachloro-m-xylene	68	40 - 84
Decachlorobiphenyl	103	75 - 127

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PCBs Medium Level in Soils and Sediments

Client Sample ID:	S50134MA-0190	Lab Sample ID:	AC08195
Date of Collection:	7/21/2023	Matrix:	Soil
Date of Preparation:	8/16/2023	Amount Prepared:	N/A
Date of Analysis:	8/23/2023	Percent Solids:	74%
Dry Weight Prepared:	9.159 grams	Extract Dilution:	1
Wet Weight Prepared:	12.407 grams	pH:	N/A
Volume Extracted:	N/A	GPC Factor:	N/A
Final Volume:	5 mL		

CAS Number	Compound	Concentration mg/Kg	RL mg/Kg	Qualifier
12674-11-2	Aroclor-1016	ND	0.06	
11104-28-2	Aroclor-1221	ND	0.06	
11141-16-5	Aroclor-1232	ND	0.06	
53469-21-9	Aroclor-1242	ND	0.06	
12672-29-6	Aroclor-1248	**0.68**	0.06	
11097-69-1	Aroclor-1254	**0.95**	0.06	
11096-82-5	Aroclor-1260	ND	0.06	
37234-23-5	Aroclor-1262	ND	0.06	
11100-14-4	Aroclor-1268	ND	0.06	

Surrogate Compounds	Recoveries (%)	QC Ranges
2,4,5,6-Tetrachloro-m-xylene	66	40 - 84
Decachlorobiphenyl	108	75 - 127

Riverside Square PCB - Boston, MA

PCBs Medium Level in Soils and Sediments

Client Sample ID:	S50134MA-0195	Lab Sample ID:	AC08196
Date of Collection:	7/21/2023	Matrix:	Soil
Date of Preparation:	8/16/2023	Amount Prepared:	N/A
Date of Analysis:	8/31/2023	Percent Solids:	78%
Dry Weight Prepared:	10.034 grams	Extract Dilution:	1
Wet Weight Prepared:	12.834 grams	pH:	N/A
Volume Extracted:	N/A	GPC Factor:	N/A
Final Volume:	5 mL		

CAS Number	Compound	Concentration mg/Kg	RL mg/Kg	Qualifier
12674-11-2	Aroclor-1016	ND	0.20	
11104-28-2	Aroclor-1221	ND	0.20	
11141-16-5	Aroclor-1232	ND	0.20	
53469-21-9	Aroclor-1242	ND	0.20	
12672-29-6	Aroclor-1248	**1.5**	0.20	
11097-69-1	Aroclor-1254	**1.3**	0.20	
11096-82-5	Aroclor-1260	ND	0.20	
37234-23-5	Aroclor-1262	ND	0.20	
11100-14-4	Aroclor-1268	ND	0.20	

Surrogate Compounds	Recoveries (%)	QC Ranges
2,4,5,6-Tetrachloro-m-xylene	63	40 - 84
Decachlorobiphenyl	107	75 - 127

Riverside Square PCB - Boston, MA

PCBs Medium Level in Soils and Sediments

Client Sample ID:	S50134MA-0200	Lab Sample ID:	AC08197
Date of Collection:	7/21/2023	Matrix:	Soil
Date of Preparation:	8/16/2023	Amount Prepared:	N/A
Date of Analysis:	8/31/2023	Percent Solids:	77%
Dry Weight Prepared:	7.039 grams	Extract Dilution:	4
Wet Weight Prepared:	9.132 grams	pH:	N/A
Volume Extracted:	N/A	GPC Factor:	N/A
Final Volume:	5 mL		

CAS Number	Compound	Concentration mg/Kg	RL mg/Kg	Qualifier
12674-11-2	Aroclor-1016	ND	0.28	
11104-28-2	Aroclor-1221	ND	0.28	
11141-16-5	Aroclor-1232	ND	0.28	
53469-21-9	Aroclor-1242	ND	0.28	
12672-29-6	Aroclor-1248	**2.0**	0.28	
11097-69-1	Aroclor-1254	**2.0**	0.28	
11096-82-5	Aroclor-1260	ND	0.28	
37234-23-5	Aroclor-1262	ND	0.28	
11100-14-4	Aroclor-1268	ND	0.28	

Surrogate Compounds	Recoveries (%)	QC Ranges
2,4,5,6-Tetrachloro-m-xylene	69	40 - 84
Decachlorobiphenyl	102	75 - 127

Riverside Square PCB - Boston, MA

PCBs Medium Level in Soils and Sediments

Client Sample ID:	S50134MA-0202	Lab Sample ID:	AC08198
Date of Collection:	7/21/2023	Matrix:	Soil
Date of Preparation:	8/16/2023	Amount Prepared:	N/A
Date of Analysis:	8/24/2023	Percent Solids:	70%
Dry Weight Prepared:	10.496 grams	Extract Dilution:	1
Wet Weight Prepared:	14.910 grams	pH:	N/A
Volume Extracted:	N/A	GPC Factor:	N/A
Final Volume:	5 mL		

CAS Number	Compound	Concentration mg/Kg	RL mg/Kg	Qualifier
12674-11-2	Aroclor-1016	ND	0.05	
11104-28-2	Aroclor-1221	ND	0.05	
11141-16-5	Aroclor-1232	ND	0.05	
53469-21-9	Aroclor-1242	ND	0.05	
12672-29-6	Aroclor-1248	**0.53**	0.05	
11097-69-1	Aroclor-1254	**0.71**	0.05	
11096-82-5	Aroclor-1260	ND	0.05	
37234-23-5	Aroclor-1262	ND	0.05	
11100-14-4	Aroclor-1268	ND	0.05	

Surrogate Compounds	Recoveries (%)	QC Ranges
2,4,5,6-Tetrachloro-m-xylene	43	40 - 84
Decachlorobiphenyl	76	75 - 127

Riverside Square PCB - Boston, MA

Laboratory Blank

Client Sample ID:	N/A	Lab Sample ID:	N/A
Date of Collection:	N/A	Matrix:	Soil
Date of Preparation:	8/16/2023	Amount Prepared:	N/A
Date of Analysis:	8/23/2023	Percent Solids:	100%
Dry Weight Prepared:	5.027 grams	Extract Dilution:	1
Wet Weight Prepared:	5.029 grams	pH:	N/A
Volume Extracted:	N/A	GPC Factor:	N/A
Final Volume:	5 mL		

CAS Number	Compound	Concentration mg/Kg	RL mg/Kg	Qualifier
12674-11-2	Aroclor-1016	ND	0.10	
11104-28-2	Aroclor-1221	ND	0.10	
11141-16-5	Aroclor-1232	ND	0.10	
53469-21-9	Aroclor-1242	ND	0.10	
12672-29-6	Aroclor-1248	ND	0.10	
11097-69-1	Aroclor-1254	ND	0.10	
11096-82-5	Aroclor-1260	ND	0.10	
37234-23-5	Aroclor-1262	ND	0.10	
11100-14-4	Aroclor-1268	ND	0.10	

Surrogate Compounds	Recoveries (%)	QC Ranges
2,4,5,6-Tetrachloro-m-xylene	44	40 - 84
Decachlorobiphenyl	103	75 - 127

Riverside Square PCB - Boston, MA

PCBs Medium Level in Soils and Sediments

Client Sample ID:	S50134MA-0204	Lab Sample ID:	AC08199
Date of Collection:	7/21/2023	Matrix:	Soil
Date of Preparation:	8/16/2023	Amount Prepared:	N/A
Date of Analysis:	8/24/2023	Percent Solids:	86%
Dry Weight Prepared:	7.956 grams	Extract Dilution:	1
Wet Weight Prepared:	9.210 grams	pH:	N/A
Volume Extracted:	N/A	GPC Factor:	N/A
Final Volume:	5 mL		

CAS Number	Compound	Concentration mg/Kg	RL mg/Kg	Qualifier
12674-11-2	Aroclor-1016	ND	0.06	
11104-28-2	Aroclor-1221	ND	0.06	
11141-16-5	Aroclor-1232	ND	0.06	
53469-21-9	Aroclor-1242	ND	0.06	
12672-29-6	Aroclor-1248	**1.9**	0.06	
11097-69-1	Aroclor-1254	**1.7**	0.06	
11096-82-5	Aroclor-1260	ND	0.06	
37234-23-5	Aroclor-1262	ND	0.06	
11100-14-4	Aroclor-1268	ND	0.06	

Surrogate Compounds	Recoveries (%)	QC Ranges
2,4,5,6-Tetrachloro-m-xylene	70	40 - 84
Decachlorobiphenyl	110	75 - 127

Riverside Square PCB - Boston, MA

PCBs Medium Level in Soils and Sediments

Client Sample ID:	S50134MA-0208	Lab Sample ID:	AC08200
Date of Collection:	7/21/2023	Matrix:	Soil
Date of Preparation:	8/16/2023	Amount Prepared:	N/A
Date of Analysis:	8/24/2023	Percent Solids:	82%
Dry Weight Prepared:	7.115 grams	Extract Dilution:	1
Wet Weight Prepared:	8.714 grams	pH:	N/A
Volume Extracted:	N/A	GPC Factor:	N/A
Final Volume:	5 mL		

CAS Number	Compound	Concentration mg/Kg	RL mg/Kg	Qualifier
12674-11-2	Aroclor-1016	ND	0.07	
11104-28-2	Aroclor-1221	ND	0.07	
11141-16-5	Aroclor-1232	ND	0.07	
53469-21-9	Aroclor-1242	ND	0.07	
12672-29-6	Aroclor-1248	**0.93**	0.07	
11097-69-1	Aroclor-1254	**1.1**	0.07	
11096-82-5	Aroclor-1260	ND	0.07	
37234-23-5	Aroclor-1262	ND	0.07	
11100-14-4	Aroclor-1268	ND	0.07	

Surrogate Compounds	Recoveries (%)	QC Ranges
2,4,5,6-Tetrachloro-m-xylene	70	40 - 84
Decachlorobiphenyl	110	75 - 127

Riverside Square PCB - Boston, MA

PCBs Medium Level in Soils and Sediments

Client Sample ID:	S50134MA-0211	Lab Sample ID:	AC08201
Date of Collection:	7/21/2023	Matrix:	Soil
Date of Preparation:	8/16/2023	Amount Prepared:	N/A
Date of Analysis:	8/24/2023	Percent Solids:	81%
Dry Weight Prepared:	7.788 grams	Extract Dilution:	1
Wet Weight Prepared:	9.633 grams	pH:	N/A
Volume Extracted:	N/A	GPC Factor:	N/A
Final Volume:	5 mL		

CAS Number	Compound	Concentration mg/Kg	RL mg/Kg	Qualifier
12674-11-2	Aroclor-1016	ND	0.06	
11104-28-2	Aroclor-1221	ND	0.06	
11141-16-5	Aroclor-1232	ND	0.06	
53469-21-9	Aroclor-1242	ND	0.06	
12672-29-6	Aroclor-1248	**0.47**	0.06	
11097-69-1	Aroclor-1254	**0.79**	0.06	
11096-82-5	Aroclor-1260	ND	0.06	
37234-23-5	Aroclor-1262	ND	0.06	
11100-14-4	Aroclor-1268	ND	0.06	

Surrogate Compounds	Recoveries (%)	QC Ranges
2,4,5,6-Tetrachloro-m-xylene	80	40 - 84
Decachlorobiphenyl	98	75 - 127

Riverside Square PCB - Boston, MA

PCBs Medium Level in Soils and Sediments

Client Sample ID:	S50134MA-0174	Lab Sample ID:	AC08202
Date of Collection:	7/20/2023	Matrix:	Soil
Date of Preparation:	8/16/2023	Amount Prepared:	N/A
Date of Analysis:	8/24/2023	Percent Solids:	95%
Dry Weight Prepared:	7.571 grams	Extract Dilution:	1
Wet Weight Prepared:	8.007 grams	pH:	N/A
Volume Extracted:	N/A	GPC Factor:	N/A
Final Volume:	5 mL		

CAS Number	Compound	Concentration mg/Kg	RL mg/Kg	Qualifier
12674-11-2	Aroclor-1016	ND	0.07	
11104-28-2	Aroclor-1221	ND	0.07	
11141-16-5	Aroclor-1232	ND	0.07	
53469-21-9	Aroclor-1242	ND	0.07	
12672-29-6	Aroclor-1248	**1.1**	0.07	
11097-69-1	Aroclor-1254	**1.3**	0.07	
11096-82-5	Aroclor-1260	ND	0.07	
37234-23-5	Aroclor-1262	ND	0.07	
11100-14-4	Aroclor-1268	ND	0.07	

Surrogate Compounds	Recoveries (%)	QC Ranges
2,4,5,6-Tetrachloro-m-xylene	74	40 - 84
Decachlorobiphenyl	113	75 - 127

Riverside Square PCB - Boston, MA

MATRIX SPIKE (MS) RECOVERY

Sample ID: AC08198

PARAMETER	SPIKE ADDED mg/Kg	SAMPLE CONCENTRATION mg/Kg	MS CONCENTRATION mg/Kg	MS % REC	QC LIMITS (% REC)
Aroclor-1016	0.330	ND	NA		39 - 142
Aroclor-1260	0.330	ND	NA		43 - 152

Riverside Square PCB - Boston, MA

Laboratory Duplicate Results

Sample ID: AC08198

PARAMETER	SAMPLE RESULT mg/Kg	SAMPLE DUPLICATE RESULT mg/Kg	PRECISION RPD %	QC LIMITS
Aroclor-1016	ND	ND	NC	50
Aroclor-1221	ND	ND	NC	50
Aroclor-1232	ND	ND	NC	50
Aroclor-1242	ND	ND	NC	50
Aroclor-1248	0.53	0.71	29	50
Aroclor-1254	0.71	0.75	5.5	50
Aroclor-1260	ND	ND	NC	50
Aroclor-1262	ND	ND	NC	50
Aroclor-1268	ND	ND	NC	50

Riverside Square PCB - Boston, MA

Laboratory Fortified Blank (LFB) Results

PARAMETER	LFB AMOUNT SPIKED mg/Kg	LFB RESULT mg/Kg	LFB RECOVERY %	QC LIMITS %
Aroclor-1016	0.792	0.592	75	74 - 123
Aroclor-1260	0.792	0.751	95	77 - 133

Comments:

Samples in Batch: AC08185, AC08186, AC08187, AC08188, AC08189, AC08190, AC08191, AC08192, AC08193, AC08194, AC08195, AC08196, AC08197, AC08198, AC08199, AC08200, AC08201, AC08202

US EPA Region 1
11 Technology Drive, N. Chelmsford, MA 01863

CHAIN OF CUSTODY RECORD

EPA Project No:	Project Name & Location:	Sampler's Name and Signature:
23080030	Riverside Square PCB	

Matrix (insert letter in column below)

A. Drinking water	F. Soil/Sediment/Solid
B. Ground/Well water	G. Oil/Solvent/Liquid
C. Storm water	H. Soil Gas
D. Surface water	I. Air Canister
E. Wastewater	J. _____

Preservative (insert # in box to the right) --->

1. Ice	6. NaOH, pH>12
2. H_2SO_4, pH<2	7. Ascorbic Acid
3. HNO_3, pH<2	8. MeOH
4. HCl, pH<2	9. Other _____
5. $Na_2S_2O_3$	10. Other _____

Analysis Requested

Sample ID	Date	Time	Comp	Grab	Matrix	# of Containers	PCB										Sample Specific Comments
S50134MA-0182	7/21/23	11:15			Soil	1	X										880
0325	7/24/23	11:34				1	X										835
0385	7/25/23	10:20				1	X										844
0157	7/20/23	12:30				1	X										849
0186	7/21/23	11:08				1	X										884
0167	7/20/23	11:21				1	X										889
0401	7/25/23	13:40				1	X										894
0314	7/24/23	11:10				1	X										903
0427	7/25/23	09:45				1	X										908
0299	7/24/23	10:15				1	X										911
0190	7/21/23	13:10				1	X										944
0195	7/21/23	09:40				1	X										919
0200	7/21/23	10:22				1	X										926
0202	7/21/23	13:15				1	X										931
0204	7/21/23	10:10				1	X										933

For EPA Staff Only: If after hours or nobody is available, leave cooler(s) and signed COC in the walk-in fridge (Room 190A) and notify appropriate staff for next day check-in.

Relinquished by: *(Signature)*	Received by: *(Signature)*	Date	Time	Remarks
[signature]	[signature]	8/15/23	12:32	
Relinquished by: *(Signature)*	Received by: *(Signature)*	Date	Time	
Relinquished by: *(Signature)*	Received for Laboratory by: *(Signature)*	Date	Time	
	[signature] ESAT	8-15-23	12:32	

Distribution: Original Accompanies Shipment. Copy to Coordinator Field Files.

FSBFORM-CHAINCUSTODY1
Revision 1
05/16/2022

US EPA Region 1
11 Technology Drive, N. Chelmsford, MA 01863

CHAIN OF CUSTODY RECORD

EPA Project No:	Project Name & Location:	Sampler's Name and Signature:
23080030	Riverside Square PCB	

Matrix (insert letter in column below)

A. Drinking water	F. Soil/Sediment/Solid
B. Ground/Well water	G. Oil/Solvent/Liquid
C. Storm water	H. Soil Gas
D. Surface water	I. Air Canister
E. Wastewater	J. _____

Preservative (insert # in box to the right) -->

1. Ice	6. NaOH, pH>12
2. H_2SO_4, pH<2	7. Ascorbic Acid
3. HNO_3, pH<2	8. MeOH
4. HCl, pH<2	9. Other _____
5. $Na_2S_2O_3$	10. Other _____

Analysis Requested

For EPA Staff Only: If after hours or nobody is available, leave cooler(s) and signed COC in the walk-in fridge (Room 190A) and notify appropriate staff for next day check-in.

Sample ID	Date	Time	Comp	Grab	Matrix	# of Containers	PCBs										Sample Specific Comments
S50134 MA-0208	7/21/23	09:10			Soil	1	X										937
0211	7/21/23	08:55			↓	1	X										941
0174	7/20/23	10:57			↓	1	X										946

Relinquished by: *(Signature)*	Received by: *(Signature)*	Date	Time	Remarks
Philip Good		8/15/23	12:32	
Relinquished by: *(Signature)*	Received by: *(Signature)*	Date	Time	
Relinquished by: *(Signature)*	Received for Laboratory by: *(Signature)*	Date	Time	
	ESAT	8-15-23	12:32	

Distribution: Original Accompanies Shipment. Copy to Coordinator Field Files.

FSBFORM-CHAINCUSTODY1
Revision 1
05/16/2022

US EPA REGION 1
SAMPLE RECEIPT CHECKLIST

PROJ #: 23080030	RECEIPT DATE: 8-15-13
SURVEY NAME: RIVERSIDE SQUARE PCB LOCATION: BOSTON, MA	REC'D BY: Doris Guzman (ESAT)
OSC/PO: Ed Hathaway (2-MO)	SITE ID: 01HG SUPERFUND: Y

WERE SAMPLES SHIPPED? N TRACKING #: _____ DATE/SENT: _____ NO, IN HOUSE	
COOLER TEMPERATURE UPON ARRIVAL 4.0 °C / NA	
CHAIN OF CUSTODY PRESENT?	Y
COMPLETE?	Y
CUSTODY SEALS PRESENT ON COOLER?	N
SAMPLES?	N
WERE SAMPLE CONTAINERS INTACT?	Y
WAS SAMPLE PRESERVATION DOCUMENTED? COC Sample Container	N
APPROPRIATE SAMPLES VOLUME FOR REQUESTED ANALYSIS?	Y
SAMPLES AND COC MATCH?	Y
IF ANY PROBLEMS WAS PROJECT MANAGER NOTIFIED? BY WHOM? _____	
APPROPRIATE SAMPLE CONTAINERS?	Y
SAMPLES WITHIN HOLDING TIMES?	Y
ALL ANALYSIS SPECIFIED ON COC?	Y
DATE/TIME OF COLLECTION ON COC	Y
TURN-AROUND TIME: 4 WEEKS	

COMMENTS:

Soil samples for confirmatory analysis

18 $PCBMS

United States Environmental Protection Agency
Laboratory Services and Applied Science Division
11 Technology Drive
North Chelmsford, MA 01863-2431

Laboratory Report

September 27, 2023

Tom Hatzopoulos (2-MO)
US EPA New England R1

Project Number: 23080050
Project: Riverside Square PCB - Boston, MA
Analysis: Metals in Soil by ICP-OES
EPA Chemist: Michael Dowling

Date Samples Received by the Laboratory: 08/24/2023

Analytical Procedure:

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

Sample preparation and analysis was done following the EPA Region I SOP, LSBSOP-OPTIMAS1.

Samples were prepared following the EPA Region I SOP, LSBSOP-INGMETALSPREP9

Preparation and analysis SOP's are based on "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 3rd Edition, Revision 2, Final Update III, Methods 3050B and 6010B," respectively. Samples were analyzed for Total Recoverable Metals using a Perkin Elmer Dual View Inductively Coupled Plasma - Optical Emission Spectrometer.

Results reported mg/kg, dry weight units unless specified.

Samples were prepared and analyzed by ESAT contractors working at the USEPA New England Laboratory.

Data were reviewed in accordance with the internal verification procedures described in the EPA New England Quality Manual for NERL.

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 BOUDREAU

Digitally signed by DANIEL BOUDREAU
Date: 2023.09.27 17:19:09 -04'00'

23080050$METMS_PE

Qualifiers:

RL = Reporting limit
ND = Not Detected above Reporting limit
NA = Not Applicable due to high sample dilutions or sample interferences
NC = Not calculated since analyte concentration is ND.
J = Estimated value
J1 = Estimated value due to MS recovery outside accceptance criteria
J2 = Estimated value due to LFB result outside acceptance criteria
J3 = Estimated value due to RPD result outside acceptance criteria
J4 = Estimated value due to LCS result outside acceptance criteria
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.
R = No recovery was calculated since the analyte concentration is greater than four times the spike level.
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.
A = Suspected Aldol condensation product.
N = Tentatively identified compound.
ANR = Analysis not required.

Riverside Square PCB - Boston, MA

Metals in Soil by ICP-OES

Client Sample ID:	S50134MA-0001	Lab Sample ID:	AC08401
Date of Collection:	5/05/2023	Matrix:	Soil
Date of Preparation:	9/06/2023	Amount Prepared:	N/A
Date of Analysis:	9/20/2023	Percent Solids:	N/A
Dry Weight Prepared:	N/A	Extract Dilution:	1
Wet Weight Prepared:	N/A	pH:	N/A
Volume Extracted:	N/A	GPC Factor:	N/A
Final Volume:	50 mL		

CAS Number	Compound	Concentration mg/Kg	RL mg/Kg	Qualifier
7440-22-4	Silver	ND	1.0	
7429-90-5	Aluminum	**16000**	11	
7440-38-2	Arsenic	**11**	2.1	
7440-39-3	Barium	**48**	2.1	
7440-41-7	Beryllium	ND	0.83	
7440-70-2	Calcium	**1100**	10	
7440-43-9	Cadmium	ND	1.0	
7440-48-4	Cobalt	**5.9**	2.1	
7440-47-3	Chromium	**24**	2.1	
7440-50-8	Copper	**42**	2.1	
7439-89-6	Iron	**18000**	4.2	
7439-95-4	Magnesium	**3000**	10	
7439-96-5	Manganese	**280**	2.1	J1
7440-02-0	Nickel	**16**	2.1	
7439-92-1	Lead	**210**	2.1	
7440-36-0	Antimony	ND	4.2	J1
7782-49-2	Selenium	ND	4.2	
7440-28-0	Thallium	ND	4.2	
7440-62-2	Vanadium	**53**	2.1	
7440-66-6	Zinc	**63**	2.1	

Comments: Reporting Limit for antimony raised due to interference.

Riverside Square PCB - Boston, MA

Metals in Soil by ICP-OES

Client Sample ID:	S50134MA-0002	Lab Sample ID:	AC08402
Date of Collection:	5/05/2023	Matrix:	Soil
Date of Preparation:	9/06/2023	Amount Prepared:	N/A
Date of Analysis:	9/20/2023	Percent Solids:	N/A
Dry Weight Prepared:	N/A	Extract Dilution:	1
Wet Weight Prepared:	N/A	pH:	N/A
Volume Extracted:	N/A	GPC Factor:	N/A
Final Volume:	50 mL		

CAS Number	Compound	Concentration mg/Kg	RL mg/Kg	Qualifier
7440-22-4	Silver	ND	1.0	
7429-90-5	Aluminum	**8700**	11	
7440-38-2	Arsenic	**7.2**	2.0	
7440-39-3	Barium	**55**	2.0	
7440-41-7	Beryllium	ND	0.80	
7440-70-2	Calcium	**2000**	10	
7440-43-9	Cadmium	ND	1.0	
7440-48-4	Cobalt	**5.3**	2.0	
7440-47-3	Chromium	**43**	2.0	
7440-50-8	Copper	**41**	2.0	
7439-89-6	Iron	**12000**	4.0	
7439-95-4	Magnesium	**2600**	10	
7439-96-5	Manganese	**210**	2.0	
7440-02-0	Nickel	**11**	2.0	
7439-92-1	Lead	**130**	2.0	
7440-36-0	Antimony	ND	4.0	
7782-49-2	Selenium	ND	4.0	
7440-28-0	Thallium	ND	4.0	
7440-62-2	Vanadium	**31**	2.0	
7440-66-6	Zinc	**83**	2.0	

Comments: Reporting Limit for antimony raised due to interference.

Riverside Square PCB - Boston, MA

Metals in Soil by ICP-OES

Client Sample ID:	S50134MA-0003	Lab Sample ID:	AC08403
Date of Collection:	5/05/2023	Matrix:	Soil
Date of Preparation:	9/06/2023	Amount Prepared:	N/A
Date of Analysis:	9/20/2023	Percent Solids:	N/A
Dry Weight Prepared:	N/A	Extract Dilution:	1
Wet Weight Prepared:	N/A	pH:	N/A
Volume Extracted:	N/A	GPC Factor:	N/A
Final Volume:	50 mL		

CAS Number	Compound	Concentration mg/Kg	RL mg/Kg	Qualifier
7440-22-4	Silver	ND	1.0	
7429-90-5	Aluminum	**10000**	11	
7440-38-2	Arsenic	**12**	2.1	
7440-39-3	Barium	**93**	2.1	
7440-41-7	Beryllium	ND	0.83	
7440-70-2	Calcium	**2000**	10	
7440-43-9	Cadmium	ND	1.0	
7440-48-4	Cobalt	**5.0**	2.1	
7440-47-3	Chromium	**110**	2.1	
7440-50-8	Copper	**200**	2.1	
7439-89-6	Iron	**12000**	4.2	
7439-95-4	Magnesium	**2800**	10	
7439-96-5	Manganese	**150**	2.1	
7440-02-0	Nickel	**15**	2.1	
7439-92-1	Lead	**360**	2.1	
7440-36-0	Antimony	ND	4.2	
7782-49-2	Selenium	ND	4.2	
7440-28-0	Thallium	ND	4.2	
7440-62-2	Vanadium	**31**	2.1	
7440-66-6	Zinc	**94**	2.1	

Comments: Reporting Limit for antimony raised due to interference.

Riverside Square PCB - Boston, MA

Metals in Soil by ICP-OES

Client Sample ID:	S50134MA-0010	Lab Sample ID:	AC08404
Date of Collection:	5/05/2023	Matrix:	Soil
Date of Preparation:	9/06/2023	Amount Prepared:	N/A
Date of Analysis:	9/20/2023	Percent Solids:	N/A
Dry Weight Prepared:	N/A	Extract Dilution:	1
Wet Weight Prepared:	N/A	pH:	N/A
Volume Extracted:	N/A	GPC Factor:	N/A
Final Volume:	50 mL		

CAS Number	Compound	Concentration mg/Kg	RL mg/Kg	Qualifier
7440-22-4	Silver	ND	1.0	
7429-90-5	Aluminum	**12000**	11	
7440-38-2	Arsenic	**11**	2.0	
7440-39-3	Barium	**44**	2.0	
7440-41-7	Beryllium	ND	0.80	
7440-70-2	Calcium	**1500**	10	
7440-43-9	Cadmium	ND	1.0	
7440-48-4	Cobalt	**5.5**	2.0	
7440-47-3	Chromium	**26**	2.0	
7440-50-8	Copper	**42**	2.0	
7439-89-6	Iron	**16000**	4.0	
7439-95-4	Magnesium	**3000**	10	
7439-96-5	Manganese	**290**	2.0	
7440-02-0	Nickel	**15**	2.0	
7439-92-1	Lead	**160**	2.0	
7440-36-0	Antimony	ND	4.0	
7782-49-2	Selenium	ND	4.0	
7440-28-0	Thallium	ND	4.0	
7440-62-2	Vanadium	**53**	2.0	
7440-66-6	Zinc	**70**	2.0	

Comments: Reporting Limit for antimony raised due to interference.

Riverside Square PCB - Boston, MA

Metals in Soil by ICP-OES

Client Sample ID:	S50134MA-0011	Lab Sample ID:	AC08405
Date of Collection:	5/05/2023	Matrix:	Soil
Date of Preparation:	9/06/2023	Amount Prepared:	N/A
Date of Analysis:	9/20/2023	Percent Solids:	N/A
Dry Weight Prepared:	N/A	Extract Dilution:	1
Wet Weight Prepared:	N/A	pH:	N/A
Volume Extracted:	N/A	GPC Factor:	N/A
Final Volume:	50 mL		

CAS Number	Compound	Concentration mg/Kg	RL mg/Kg	Qualifier
7440-22-4	Silver	ND	1.0	
7429-90-5	Aluminum	**15000**	11	
7440-38-2	Arsenic	**12**	2.0	
7440-39-3	Barium	**57**	2.0	
7440-41-7	Beryllium	ND	0.82	
7440-70-2	Calcium	**1500**	10	
7440-43-9	Cadmium	ND	1.0	
7440-48-4	Cobalt	**6.1**	2.0	
7440-47-3	Chromium	**35**	2.0	
7440-50-8	Copper	**47**	2.0	
7439-89-6	Iron	**17000**	4.1	
7439-95-4	Magnesium	**2800**	10	
7439-96-5	Manganese	**300**	2.0	
7440-02-0	Nickel	**22**	2.0	
7439-92-1	Lead	**200**	2.0	
7440-36-0	Antimony	ND	4.1	
7782-49-2	Selenium	ND	4.1	
7440-28-0	Thallium	ND	4.1	
7440-62-2	Vanadium	**46**	2.0	
7440-66-6	Zinc	**89**	2.0	

Comments: Reporting Limit for antimony raised due to interference.

Riverside Square PCB - Boston, MA

Metals in Soil by ICP-OES

Client Sample ID:	S50134MA-0033	Lab Sample ID:	AC08406
Date of Collection:	5/04/2023	Matrix:	Soil
Date of Preparation:	9/06/2023	Amount Prepared:	N/A
Date of Analysis:	9/20/2023	Percent Solids:	N/A
Dry Weight Prepared:	N/A	Extract Dilution:	1
Wet Weight Prepared:	N/A	pH:	N/A
Volume Extracted:	N/A	GPC Factor:	N/A
Final Volume:	50 mL		

CAS Number	Compound	Concentration mg/Kg	RL mg/Kg	Qualifier
7440-22-4	Silver	ND	1.0	
7429-90-5	Aluminum	**12000**	11	
7440-38-2	Arsenic	**16**	2.1	
7440-39-3	Barium	**80**	2.1	
7440-41-7	Beryllium	ND	0.83	
7440-70-2	Calcium	**2500**	10	
7440-43-9	Cadmium	ND	1.0	
7440-48-4	Cobalt	**6.8**	2.1	
7440-47-3	Chromium	**19**	2.1	
7440-50-8	Copper	**55**	2.1	
7439-89-6	Iron	**18000**	4.2	
7439-95-4	Magnesium	**2500**	10	
7439-96-5	Manganese	**550**	2.1	
7440-02-0	Nickel	**17**	2.1	
7439-92-1	Lead	**480**	2.1	
7440-36-0	Antimony	ND	4.2	
7782-49-2	Selenium	ND	4.2	
7440-28-0	Thallium	ND	4.2	
7440-62-2	Vanadium	**34**	2.1	
7440-66-6	Zinc	**230**	2.1	

Comments: Reporting Limit for antimony raised due to interference.

Riverside Square PCB - Boston, MA

Metals in Soil by ICP-OES

Client Sample ID:	S50134MA-0034	Lab Sample ID:	AC08407
Date of Collection:	5/04/2023	Matrix:	Soil
Date of Preparation:	9/06/2023	Amount Prepared:	N/A
Date of Analysis:	9/20/2023	Percent Solids:	N/A
Dry Weight Prepared:	N/A	Extract Dilution:	1
Wet Weight Prepared:	N/A	pH:	N/A
Volume Extracted:	N/A	GPC Factor:	N/A
Final Volume:	50 mL		

CAS Number	Compound	Concentration mg/Kg	RL mg/Kg	Qualifier
7440-22-4	Silver	ND	1.0	
7429-90-5	Aluminum	**11000**	11	
7440-38-2	Arsenic	**13**	2.1	
7440-39-3	Barium	**85**	2.1	
7440-41-7	Beryllium	**0.95**	0.83	
7440-70-2	Calcium	**1900**	10	
7440-43-9	Cadmium	ND	1.0	
7440-48-4	Cobalt	**6.6**	2.1	
7440-47-3	Chromium	**17**	2.1	
7440-50-8	Copper	**43**	2.1	
7439-89-6	Iron	**15000**	4.2	
7439-95-4	Magnesium	**1900**	10	
7439-96-5	Manganese	**740**	2.1	
7440-02-0	Nickel	**13**	2.1	
7439-92-1	Lead	**330**	2.1	
7440-36-0	Antimony	ND	4.2	
7782-49-2	Selenium	ND	4.2	
7440-28-0	Thallium	ND	4.2	
7440-62-2	Vanadium	**26**	2.1	
7440-66-6	Zinc	**180**	2.1	

Comments: Reporting Limit for antimony raised due to interference.

Riverside Square PCB - Boston, MA

Metals in Soil by ICP-OES

Client Sample ID:	S50134MA-0035	Lab Sample ID:	AC08408
Date of Collection:	5/04/2023	Matrix:	Soil
Date of Preparation:	9/06/2023	Amount Prepared:	N/A
Date of Analysis:	9/20/2023	Percent Solids:	N/A
Dry Weight Prepared:	N/A	Extract Dilution:	1
Wet Weight Prepared:	N/A	pH:	N/A
Volume Extracted:	N/A	GPC Factor:	N/A
Final Volume:	50 mL		

CAS Number	Compound	Concentration mg/Kg	RL mg/Kg	Qualifier
7440-22-4	Silver	ND	1.1	
7429-90-5	Aluminum	**11000**	12	
7440-38-2	Arsenic	**9.9**	2.1	
7440-39-3	Barium	**93**	2.1	
7440-41-7	Beryllium	ND	0.85	
7440-70-2	Calcium	**2500**	11	
7440-43-9	Cadmium	**2.9**	1.1	
7440-48-4	Cobalt	**5.2**	2.1	
7440-47-3	Chromium	**15**	2.1	
7440-50-8	Copper	**39**	2.1	
7439-89-6	Iron	**14000**	4.2	
7439-95-4	Magnesium	**1900**	11	
7439-96-5	Manganese	**520**	2.1	
7440-02-0	Nickel	**14**	2.1	
7439-92-1	Lead	**350**	2.1	
7440-36-0	Antimony	ND	4.2	
7782-49-2	Selenium	ND	4.2	
7440-28-0	Thallium	ND	4.2	
7440-62-2	Vanadium	**39**	2.1	
7440-66-6	Zinc	**1200**	2.1	

Comments: Reporting Limit for antimony raised due to interference.

Riverside Square PCB - Boston, MA

Metals in Soil by ICP-OES

Client Sample ID:	S50134MA-0041	Lab Sample ID:	AC08409
Date of Collection:	5/04/2023	Matrix:	Soil
Date of Preparation:	9/06/2023	Amount Prepared:	N/A
Date of Analysis:	9/20/2023	Percent Solids:	N/A
Dry Weight Prepared:	N/A	Extract Dilution:	1
Wet Weight Prepared:	N/A	pH:	N/A
Volume Extracted:	N/A	GPC Factor:	N/A
Final Volume:	50 mL		

CAS Number	Compound	Concentration mg/Kg	RL mg/Kg	Qualifier
7440-22-4	Silver	ND	1.1	
7429-90-5	Aluminum	**19000**	12	
7440-38-2	Arsenic	**19**	2.1	
7440-39-3	Barium	**64**	2.1	
7440-41-7	Beryllium	ND	0.85	
7440-70-2	Calcium	**1400**	11	
7440-43-9	Cadmium	ND	1.1	
7440-48-4	Cobalt	**4.9**	2.1	
7440-47-3	Chromium	**20**	2.1	
7440-50-8	Copper	**20**	2.1	
7439-89-6	Iron	**16000**	4.2	
7439-95-4	Magnesium	**2100**	11	
7439-96-5	Manganese	**290**	2.1	
7440-02-0	Nickel	**12**	2.1	
7439-92-1	Lead	**120**	2.1	
7440-36-0	Antimony	ND	4.2	
7782-49-2	Selenium	ND	4.2	
7440-28-0	Thallium	ND	4.2	
7440-62-2	Vanadium	**36**	2.1	
7440-66-6	Zinc	**100**	2.1	

Comments: Reporting Limit for antimony raised due to interference.

Riverside Square PCB - Boston, MA

Metals in Soil by ICP-OES

Client Sample ID:	S50134MA-0042	Lab Sample ID:	AC08410
Date of Collection:	5/04/2023	Matrix:	Soil
Date of Preparation:	9/06/2023	Amount Prepared:	N/A
Date of Analysis:	9/20/2023	Percent Solids:	N/A
Dry Weight Prepared:	N/A	Extract Dilution:	1
Wet Weight Prepared:	N/A	pH:	N/A
Volume Extracted:	N/A	GPC Factor:	N/A
Final Volume:	50 mL		

CAS Number	Compound	Concentration mg/Kg	RL mg/Kg	Qualifier
7440-22-4	Silver	ND	1.0	
7429-90-5	Aluminum	**19000**	11	
7440-38-2	Arsenic	**7.5**	2.0	
7440-39-3	Barium	**41**	2.0	
7440-41-7	Beryllium	ND	0.82	
7440-70-2	Calcium	**1400**	10	
7440-43-9	Cadmium	ND	1.0	
7440-48-4	Cobalt	**9.4**	2.0	
7440-47-3	Chromium	**22**	2.0	
7440-50-8	Copper	**15**	2.0	
7439-89-6	Iron	**19000**	4.1	
7439-95-4	Magnesium	**4700**	10	
7439-96-5	Manganese	**220**	2.0	
7440-02-0	Nickel	**27**	2.0	
7439-92-1	Lead	**35**	2.0	
7440-36-0	Antimony	ND	4.1	
7782-49-2	Selenium	ND	4.1	
7440-28-0	Thallium	ND	4.1	
7440-62-2	Vanadium	**36**	2.0	
7440-66-6	Zinc	**48**	2.0	

Comments: Reporting Limit for antimony raised due to interference.

Riverside Square PCB - Boston, MA

Metals in Soil by ICP-OES

Client Sample ID:	S50134MA-0057	Lab Sample ID:	AC08411
Date of Collection:	5/04/2023	Matrix:	Soil
Date of Preparation:	9/06/2023	Amount Prepared:	N/A
Date of Analysis:	9/20/2023	Percent Solids:	N/A
Dry Weight Prepared:	N/A	Extract Dilution:	1
Wet Weight Prepared:	N/A	pH:	N/A
Volume Extracted:	N/A	GPC Factor:	N/A
Final Volume:	50 mL		

CAS Number	Compound	Concentration mg/Kg	RL mg/Kg	Qualifier
7440-22-4	Silver	ND	1.0	
7429-90-5	Aluminum	**14000**	11	
7440-38-2	Arsenic	**24**	2.0	
7440-39-3	Barium	**110**	2.0	
7440-41-7	Beryllium	ND	0.80	
7440-70-2	Calcium	**2400**	10	
7440-43-9	Cadmium	ND	1.0	
7440-48-4	Cobalt	**6.5**	2.0	
7440-47-3	Chromium	**22**	2.0	
7440-50-8	Copper	**67**	2.0	
7439-89-6	Iron	**15000**	4.0	
7439-95-4	Magnesium	**2400**	10	
7439-96-5	Manganese	**540**	2.0	
7440-02-0	Nickel	**17**	2.0	
7439-92-1	Lead	**440**	2.0	
7440-36-0	Antimony	ND	4.0	
7782-49-2	Selenium	ND	4.0	
7440-28-0	Thallium	ND	4.0	
7440-62-2	Vanadium	**42**	2.0	
7440-66-6	Zinc	**270**	2.0	

Comments: Reporting Limit for antimony raised due to interference.

Riverside Square PCB - Boston, MA

Metals in Soil by ICP-OES

Client Sample ID:	S50134MA-0058	Lab Sample ID:	AC08412
Date of Collection:	5/04/2023	Matrix:	Soil
Date of Preparation:	9/06/2023	Amount Prepared:	N/A
Date of Analysis:	9/20/2023	Percent Solids:	N/A
Dry Weight Prepared:	N/A	Extract Dilution:	1
Wet Weight Prepared:	N/A	pH:	N/A
Volume Extracted:	N/A	GPC Factor:	N/A
Final Volume:	50 mL		

CAS Number	Compound	Concentration mg/Kg	RL mg/Kg	Qualifier
7440-22-4	Silver	ND	1.1	
7429-90-5	Aluminum	**18000**	12	
7440-38-2	Arsenic	**8.4**	2.1	
7440-39-3	Barium	**65**	2.1	
7440-41-7	Beryllium	**0.87**	0.85	
7440-70-2	Calcium	**1400**	11	
7440-43-9	Cadmium	ND	1.1	
7440-48-4	Cobalt	**4.5**	2.1	
7440-47-3	Chromium	**21**	2.1	
7440-50-8	Copper	**19**	2.1	
7439-89-6	Iron	**16000**	4.2	
7439-95-4	Magnesium	**2300**	11	
7439-96-5	Manganese	**250**	2.1	
7440-02-0	Nickel	**13**	2.1	
7439-92-1	Lead	**90**	2.1	
7440-36-0	Antimony	ND	4.2	
7782-49-2	Selenium	ND	4.2	
7440-28-0	Thallium	ND	4.2	
7440-62-2	Vanadium	**31**	2.1	
7440-66-6	Zinc	**99**	2.1	

Comments: Reporting Limit for antimony raised due to interference.

Riverside Square PCB - Boston, MA

Metals in Soil by ICP-OES

Client Sample ID:	S50134MA-0059	Lab Sample ID:	AC08413
Date of Collection:	5/04/2023	Matrix:	Soil
Date of Preparation:	9/06/2023	Amount Prepared:	N/A
Date of Analysis:	9/20/2023	Percent Solids:	N/A
Dry Weight Prepared:	N/A	Extract Dilution:	1
Wet Weight Prepared:	N/A	pH:	N/A
Volume Extracted:	N/A	GPC Factor:	N/A
Final Volume:	50 mL		

CAS Number	Compound	Concentration mg/Kg	RL mg/Kg	Qualifier
7440-22-4	Silver	ND	1.0	
7429-90-5	Aluminum	**14000**	11	
7440-38-2	Arsenic	**17**	2.0	
7440-39-3	Barium	**77**	2.0	
7440-41-7	Beryllium	ND	0.80	
7440-70-2	Calcium	**2200**	10	
7440-43-9	Cadmium	ND	1.0	
7440-48-4	Cobalt	**4.9**	2.0	
7440-47-3	Chromium	**19**	2.0	
7440-50-8	Copper	**34**	2.0	
7439-89-6	Iron	**14000**	4.0	
7439-95-4	Magnesium	**2100**	10	
7439-96-5	Manganese	**310**	2.0	
7440-02-0	Nickel	**14**	2.0	
7439-92-1	Lead	**570**	2.0	
7440-36-0	Antimony	ND	4.0	
7782-49-2	Selenium	ND	4.0	
7440-28-0	Thallium	ND	4.0	
7440-62-2	Vanadium	**40**	2.0	
7440-66-6	Zinc	**120**	2.0	

Comments: Reporting Limit for antimony raised due to interference.

Riverside Square PCB - Boston, MA

Metals in Soil by ICP-OES

Client Sample ID:	S50134MA-0060	Lab Sample ID:	AC08414
Date of Collection:	5/04/2023	Matrix:	Soil
Date of Preparation:	9/06/2023	Amount Prepared:	N/A
Date of Analysis:	9/20/2023	Percent Solids:	N/A
Dry Weight Prepared:	N/A	Extract Dilution:	1
Wet Weight Prepared:	N/A	pH:	N/A
Volume Extracted:	N/A	GPC Factor:	N/A
Final Volume:	50 mL		

CAS Number	Compound	Concentration mg/Kg	RL mg/Kg	Qualifier
7440-22-4	Silver	ND	1.0	
7429-90-5	Aluminum	**16000**	11	
7440-38-2	Arsenic	**7.7**	2.0	
7440-39-3	Barium	**56**	2.0	
7440-41-7	Beryllium	ND	0.82	
7440-70-2	Calcium	**1700**	10	
7440-43-9	Cadmium	ND	1.0	
7440-48-4	Cobalt	**5.6**	2.0	
7440-47-3	Chromium	**20**	2.0	
7440-50-8	Copper	**20**	2.0	
7439-89-6	Iron	**16000**	4.1	
7439-95-4	Magnesium	**3300**	10	
7439-96-5	Manganese	**270**	2.0	
7440-02-0	Nickel	**13**	2.0	
7439-92-1	Lead	**180**	2.0	
7440-36-0	Antimony	ND	4.1	
7782-49-2	Selenium	ND	4.1	
7440-28-0	Thallium	ND	4.1	
7440-62-2	Vanadium	**35**	2.0	
7440-66-6	Zinc	**74**	2.0	

Comments: Reporting Limit for antimony raised due to interference.

Riverside Square PCB - Boston, MA

Metals in Soil by ICP-OES

Client Sample ID:	S50134MA-0061	Lab Sample ID:	AC08415
Date of Collection:	5/04/2023	Matrix:	Soil
Date of Preparation:	9/06/2023	Amount Prepared:	N/A
Date of Analysis:	9/20/2023	Percent Solids:	N/A
Dry Weight Prepared:	N/A	Extract Dilution:	1
Wet Weight Prepared:	N/A	pH:	N/A
Volume Extracted:	N/A	GPC Factor:	N/A
Final Volume:	50 mL		

CAS Number	Compound	Concentration mg/Kg	RL mg/Kg	Qualifier
7440-22-4	Silver	ND	1.0	
7429-90-5	Aluminum	**15000**	11	
7440-38-2	Arsenic	**25**	2.1	
7440-39-3	Barium	**130**	2.1	
7440-41-7	Beryllium	ND	0.83	
7440-70-2	Calcium	**2500**	10	
7440-43-9	Cadmium	ND	1.0	
7440-48-4	Cobalt	**6.9**	2.1	
7440-47-3	Chromium	**23**	2.1	
7440-50-8	Copper	**49**	2.1	
7439-89-6	Iron	**15000**	4.2	
7439-95-4	Magnesium	**2200**	10	
7439-96-5	Manganese	**400**	2.1	
7440-02-0	Nickel	**19**	2.1	
7439-92-1	Lead	**550**	2.1	
7440-36-0	Antimony	ND	4.2	
7782-49-2	Selenium	ND	4.2	
7440-28-0	Thallium	ND	4.2	
7440-62-2	Vanadium	**47**	2.1	
7440-66-6	Zinc	**290**	2.1	

Comments: Reporting Limit for antimony raised due to interference.

Riverside Square PCB - Boston, MA

Metals in Soil by ICP-OES

Client Sample ID:	S50134MA-0064	Lab Sample ID:	AC08416
Date of Collection:	5/04/2023	Matrix:	Soil
Date of Preparation:	9/06/2023	Amount Prepared:	N/A
Date of Analysis:	9/20/2023	Percent Solids:	N/A
Dry Weight Prepared:	N/A	Extract Dilution:	1
Wet Weight Prepared:	N/A	pH:	N/A
Volume Extracted:	N/A	GPC Factor:	N/A
Final Volume:	50 mL		

CAS Number	Compound	Concentration mg/Kg	RL mg/Kg	Qualifier
7440-22-4	Silver	ND	1.0	
7429-90-5	Aluminum	**16000**	11	
7440-38-2	Arsenic	**20**	2.0	
7440-39-3	Barium	**88**	2.0	
7440-41-7	Beryllium	ND	0.82	
7440-70-2	Calcium	**1200**	10	
7440-43-9	Cadmium	ND	1.0	
7440-48-4	Cobalt	**4.7**	2.0	
7440-47-3	Chromium	**18**	2.0	
7440-50-8	Copper	**28**	2.0	
7439-89-6	Iron	**15000**	4.1	
7439-95-4	Magnesium	**1900**	10	
7439-96-5	Manganese	**380**	2.0	
7440-02-0	Nickel	**13**	2.0	
7439-92-1	Lead	**300**	2.0	
7440-36-0	Antimony	ND	4.1	
7782-49-2	Selenium	ND	4.1	
7440-28-0	Thallium	ND	4.1	
7440-62-2	Vanadium	**41**	2.0	
7440-66-6	Zinc	**120**	2.0	

Comments: Reporting Limit for antimony raised due to interference.

Riverside Square PCB - Boston, MA

Metals in Soil by ICP-OES

Client Sample ID:	S50134MA-0071	Lab Sample ID:	AC08417
Date of Collection:	5/04/2023	Matrix:	Soil
Date of Preparation:	9/06/2023	Amount Prepared:	N/A
Date of Analysis:	9/20/2023	Percent Solids:	N/A
Dry Weight Prepared:	N/A	Extract Dilution:	1
Wet Weight Prepared:	N/A	pH:	N/A
Volume Extracted:	N/A	GPC Factor:	N/A
Final Volume:	50 mL		

CAS Number	Compound	Concentration mg/Kg	RL mg/Kg	Qualifier
7440-22-4	Silver	ND	0.98	
7429-90-5	Aluminum	**14000**	11	
7440-38-2	Arsenic	**25**	2.0	
7440-39-3	Barium	**190**	2.0	
7440-41-7	Beryllium	ND	0.78	
7440-70-2	Calcium	**3900**	9.8	
7440-43-9	Cadmium	ND	0.98	
7440-48-4	Cobalt	**5.5**	2.0	
7440-47-3	Chromium	**32**	2.0	
7440-50-8	Copper	**95**	2.0	
7439-89-6	Iron	**19000**	3.9	
7439-95-4	Magnesium	**1900**	9.8	
7439-96-5	Manganese	**290**	2.0	
7440-02-0	Nickel	**19**	2.0	
7439-92-1	Lead	**570**	2.0	
7440-36-0	Antimony	ND	3.9	
7782-49-2	Selenium	ND	3.9	
7440-28-0	Thallium	ND	3.9	
7440-62-2	Vanadium	**65**	2.0	
7440-66-6	Zinc	**170**	2.0	

Comments: Reporting Limit for antimony raised due to interference.

Riverside Square PCB - Boston, MA

Metals in Soil by ICP-OES

Client Sample ID:	S50134MA-0072	Lab Sample ID:	AC08418
Date of Collection:	5/04/2023	Matrix:	Soil
Date of Preparation:	9/06/2023	Amount Prepared:	N/A
Date of Analysis:	9/20/2023	Percent Solids:	N/A
Dry Weight Prepared:	N/A	Extract Dilution:	1
Wet Weight Prepared:	N/A	pH:	N/A
Volume Extracted:	N/A	GPC Factor:	N/A
Final Volume:	50 mL		

CAS Number	Compound	Concentration mg/Kg	RL mg/Kg	Qualifier
7440-22-4	Silver	ND	1.0	
7429-90-5	Aluminum	**15000**	11	
7440-38-2	Arsenic	**26**	2.1	
7440-39-3	Barium	**280**	2.1	
7440-41-7	Beryllium	ND	0.83	
7440-70-2	Calcium	**3300**	10	
7440-43-9	Cadmium	ND	1.0	
7440-48-4	Cobalt	**7.4**	2.1	
7440-47-3	Chromium	**41**	2.1	
7440-50-8	Copper	**150**	2.1	
7439-89-6	Iron	**24000**	4.2	
7439-95-4	Magnesium	**1800**	10	
7439-96-5	Manganese	**380**	2.1	
7440-02-0	Nickel	**22**	2.1	
7439-92-1	Lead	**1300**	2.1	
7440-36-0	Antimony	ND	4.2	
7782-49-2	Selenium	ND	4.2	
7440-28-0	Thallium	ND	4.2	
7440-62-2	Vanadium	**50**	2.1	
7440-66-6	Zinc	**510**	2.1	

Comments: Reporting Limit for antimony raised due to interference.

Riverside Square PCB - Boston, MA

Metals in Soil by ICP-OES

Client Sample ID:	S50134MA-0073	Lab Sample ID:	AC08419
Date of Collection:	5/05/2023	Matrix:	Soil
Date of Preparation:	9/06/2023	Amount Prepared:	N/A
Date of Analysis:	9/20/2023	Percent Solids:	N/A
Dry Weight Prepared:	N/A	Extract Dilution:	1
Wet Weight Prepared:	N/A	pH:	N/A
Volume Extracted:	N/A	GPC Factor:	N/A
Final Volume:	50 mL		

CAS Number	Compound	Concentration mg/Kg	RL mg/Kg	Qualifier
7440-22-4	Silver	ND	1.0	
7429-90-5	Aluminum	**11000**	11	
7440-38-2	Arsenic	**13**	2.1	
7440-39-3	Barium	**45**	2.1	
7440-41-7	Beryllium	ND	0.83	
7440-70-2	Calcium	**1200**	10	
7440-43-9	Cadmium	ND	1.0	
7440-48-4	Cobalt	**2.3**	2.1	
7440-47-3	Chromium	**15**	2.1	
7440-50-8	Copper	**33**	2.1	
7439-89-6	Iron	**15000**	4.2	
7439-95-4	Magnesium	**1200**	10	
7439-96-5	Manganese	**100**	2.1	
7440-02-0	Nickel	**10**	2.1	
7439-92-1	Lead	**1300**	2.1	
7440-36-0	Antimony	ND	4.2	
7782-49-2	Selenium	ND	4.2	
7440-28-0	Thallium	ND	4.2	
7440-62-2	Vanadium	**58**	2.1	
7440-66-6	Zinc	**340**	2.1	

Comments: Reporting Limit for antimony raised due to interference.

Riverside Square PCB - Boston, MA

Metals in Soil by ICP-OES

Client Sample ID:	S50134MA-0074	Lab Sample ID:	AC08420
Date of Collection:	5/05/2023	Matrix:	Soil
Date of Preparation:	9/06/2023	Amount Prepared:	N/A
Date of Analysis:	9/20/2023	Percent Solids:	N/A
Dry Weight Prepared:	N/A	Extract Dilution:	1
Wet Weight Prepared:	N/A	pH:	N/A
Volume Extracted:	N/A	GPC Factor:	N/A
Final Volume:	50 mL		

CAS Number	Compound	Concentration mg/Kg	RL mg/Kg	Qualifier
7440-22-4	Silver	ND	1.0	
7429-90-5	Aluminum	**14000**	11	
7440-38-2	Arsenic	**3.9**	2.0	
7440-39-3	Barium	**29**	2.0	
7440-41-7	Beryllium	ND	0.82	
7440-70-2	Calcium	**900**	10	
7440-43-9	Cadmium	ND	1.0	
7440-48-4	Cobalt	**2.1**	2.0	
7440-47-3	Chromium	**13**	2.0	
7440-50-8	Copper	**8.4**	2.0	
7439-89-6	Iron	**13000**	4.1	
7439-95-4	Magnesium	**1400**	10	
7439-96-5	Manganese	**120**	2.0	
7440-02-0	Nickel	**7.1**	2.0	
7439-92-1	Lead	**750**	2.0	
7440-36-0	Antimony	ND	4.1	
7782-49-2	Selenium	ND	4.1	
7440-28-0	Thallium	ND	4.1	
7440-62-2	Vanadium	**27**	2.0	
7440-66-6	Zinc	**90**	2.0	

Comments: Reporting Limit for antimony raised due to interference.

Riverside Square PCB - Boston, MA

Laboratory Reagent Blank

Client Sample ID:	N/A	Lab Sample ID:	N/A
Date of Collection:	N/A	Matrix:	Soil
Date of Preparation:	9/06/2023	Amount Prepared:	N/A
Date of Analysis:	9/20/2023	Percent Solids:	N/A
Dry Weight Prepared:	N/A	Extract Dilution:	1
Wet Weight Prepared:	N/A	pH:	N/A
Volume Extracted:	N/A	GPC Factor:	N/A
Final Volume:	50 mL		

CAS Number	Compound	Concentration ug/L	RL ug/L	Qualifier
7440-22-4	Silver	ND	10	
7429-90-5	Aluminum	ND	110	
7440-38-2	Arsenic	ND	20	
7440-39-3	Barium	ND	20	
7440-41-7	Beryllium	ND	8.0	
7440-70-2	Calcium	ND	100	
7440-43-9	Cadmium	ND	10	
7440-48-4	Cobalt	ND	20	
7440-47-3	Chromium	ND	20	
7440-50-8	Copper	ND	20	
7439-89-6	Iron	ND	40	
7439-95-4	Magnesium	ND	100	
7439-96-5	Manganese	ND	20	
7440-02-0	Nickel	ND	20	
7439-92-1	Lead	ND	20	
7440-36-0	Antimony	ND	40	
7782-49-2	Selenium	ND	40	
7440-28-0	Thallium	ND	40	
7440-62-2	Vanadium	ND	20	
7440-66-6	Zinc	ND	20	

Comments: Matrix is Deionized (DI) Water.

Riverside Square PCB - Boston, MA

MATRIX SPIKE (MS) RECOVERY

Sample ID: AC08401

PARAMETER	SPIKE ADDED mg/Kg	SAMPLE CONCENTRATION mg/Kg	MS CONCENTRATION mg/Kg	MS % REC	QC LIMITS (% REC)
Antimony	104	ND	32.0	31	75 - 125
Arsenic	104	11.0	108	93	75 - 125
Barium	104	48.0	151	99	75 - 125
Beryllium	42.0	ND	42.0	102	75 - 125
Cadmium	52.0	ND	50.0	97	75 - 125
Chromium	104	24.0	127	99	75 - 125
Cobalt	104	5.9	109	99	75 - 125
Copper	104	42.0	152	106	75 - 125
Lead	104	210	306	92	75 - 125
Manganese	104	280	411	126	75 - 125
Nickel	104	16.0	119	99	75 - 125
Selenium	104	ND	96.0	92	75 - 125
Silver	21.0	ND	20.0	97	75 - 125
Thallium	104	ND	103	99	75 - 125
Vanadium	104	53.0	154	97	75 - 125
Zinc	104	63.0	169	102	75 - 125

Riverside Square PCB - Boston, MA

Laboratory Duplicate Results

Sample ID: AC08402

PARAMETER	SAMPLE RESULT mg/Kg	SAMPLE DUPLICATE RESULT mg/Kg	PRECISION RPD %	QC LIMITS
Aluminum	8700	8600	1.2	30
Antimony	ND	ND	NC	30
Arsenic	7.2	6.1	17	30
Barium	55.0	55.0	0	30
Beryllium	ND	ND	NC	30
Cadmium	ND	ND	NC	30
Calcium	2000	1900	5.1	30
Chromium	43.0	44.0	2.3	30
Cobalt	5.3	5.1	3.8	30
Copper	41.0	41.0	0	30
Iron	12000	11000	8.7	30
Lead	130	130	0	30
Magnesium	2600	2500	3.9	30
Manganese	210	200	4.9	30
Nickel	11.0	11.0	0	30
Selenium	ND	ND	NC	30
Silver	ND	ND	NC	30
Thallium	ND	ND	NC	30
Vanadium	31.0	32.0	3.2	30
Zinc	83.0	84.0	1.2	30

Riverside Square PCB - Boston, MA

Laboratory Fortified Blank (LFB) Results

PARAMETER	LFB AMOUNT SPIKED ug/L	LFB RESULT ug/L	LFB RECOVERY %	QC LIMITS %
Aluminum	1000	1030	103	85 - 115
Antimony	1000	989	99	85 - 115
Arsenic	1000	944	94	85 - 115
Barium	1000	1010	101	85 - 115
Beryllium	400	401	100	85 - 115
Cadmium	500	490	98	85 - 115
Calcium	10000	10100	101	85 - 115
Chromium	1000	1030	103	85 - 115
Cobalt	1000	1010	101	85 - 115
Copper	1000	1060	106	85 - 115
Iron	1000	1030	103	85 - 115
Lead	1000	999	100	85 - 115
Magnesium	10000	10100	101	85 - 115
Manganese	1000	1030	103	85 - 115
Nickel	1000	1020	102	85 - 115
Selenium	1000	917	92	85 - 115
Silver	200	200	100	85 - 115
Thallium	1000	1010	101	85 - 115
Vanadium	1000	1040	104	85 - 115
Zinc	1000	985	99	85 - 115

Comments:

Riverside Square PCB - Boston, MA

Solid Laboratory Control Sample (LCS) Results

PARAMETER	LCS RESULTS mg/Kg	CONTROL LIMITS mg/Kg
Aluminum	8550	3750 - 11500
Antimony	75.3	25.0 - 298
Arsenic	179	130 - 242
Barium	258	193 - 322
Beryllium	110	85.1 - 142
Cadmium	85.3	66.7 - 111
Calcium	4630	3410 - 5990
Chromium	196	142 - 264
Cobalt	160	123 - 205
Copper	173	124 - 207
Iron	15300	4700 - 22800
Lead	224	161 - 276
Magnesium	2340	1390 - 3120
Manganese	298	216 - 365
Nickel	186	131 - 242
Selenium	141	102 - 201
Silver	47.6	33.2 - 61.9
Thallium	248	181 - 316
Vanadium	140	97.9 - 177
Zinc	242	170 - 316

Comments:

Samples in Batch: AC08401, AC08402, AC08403, AC08404, AC08405, AC08406, AC08407, AC08408, AC08409, AC08410, AC08411, AC08412, AC08413, AC08414, AC08415, AC08416, AC08417, AC08418, AC08419, AC08420

PN: 23080050

USEPA
WESTON/START
101 Billerica Ave
N Billerica, MA

CHAIN OF CUSTODY RECORD
Riverside Square PCB
Contact Name: Bonnie Mace
Contact Phone: 978-621-1213

No: 1-082223-101516-0004
Riverside Sq PCB
Lab: LSASD/OEME
Lab Phone: 617-918-8490

4/24/23

Lab #	Sample #	Location	Sub Location	Analyses	Matrix	Sample Date	Sample Time	Numb Cont	Container	Lab QC
	S50134MA-0001	A-025	A	Confirmatory PCB metals	Soil	5/5/2023	09:30	1	bag	
	S50134MA-0002	A-050	A	Confirmatory PCB metals	Soil	5/5/2023	09:22	1	bag	
	S50134MA-0003	A-050	B	Confirmatory PCB metals	Soil	5/5/2023	09:28	1	bag	
	S50134MA-0010	B-025	A	Confirmatory PCB metals	Soil	5/5/2023	09:35	1	bag	
	S50134MA-0011	B-025	B	Confirmatory PCB metals	Soil	5/5/2023	09:45	1	bag	
	S50134MA-0033	C-575	A	Confirmatory PCB metals	Soil	5/4/2023	10:05	1	bag	
	S50134MA-0034	C-575	B	Confirmatory PCB metal	Soil	5/4/2023	10:15	1	bag	
	S50134MA-0035	C-600	A	Confirmatory PCB metals	Soil	5/4/2023	10:00	1	bag	
	S50134MA-0041	C-700	A	Confirmatory PCB	Soil	5/4/2023	10:25	1	bag	
	S50134MA-0042	C-700	B	Confirmatory PCB	Soil	5/4/2023	10:30	1	bag	
	S50134MA-0057	D-575	A	Confirmatory PCB	Soil	5/4/2023	10:45	1	bag	
	S50134MA-0058	D-575	B	Confirmatory PCB	Soil	5/4/2023	11:00	1	bag	
	S50134MA-0059	D-600	A	Confirmatory PCB	Soil	5/4/2023	11:00	1	bag	
	S50134MA-0060	D-600	B	Confirmatory PCB	Soil	5/4/2023	11:10	1	bag	
	S50134MA-0061	D-625	A	Confirmatory PCB	Soil	5/4/2023	11:15	1	bag	
	S50134MA-0064	D-675	A	Confirmatory PCB	Soil	5/4/2023	11:04	1	bag	
	S50134MA-0071	D-775	A	Confirmatory PCB	Soil	5/4/2023	10:40	1	bag	
	S50134MA-0072	D-775	B	Confirmatory PCB	Soil	5/4/2023	10:55	1	bag	
	S50134MA-0073	DD-050	A	Confirmatory PCB	Soil	5/5/2023	12:00	1	bag	

Special Instructions:

SAMPLES TRANSFERRED FROM
CHAIN OF CUSTODY #

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
	WESTON-START	8/24/2023 1210 hrs	ESAT	8-24-23 12:10	

PN. 23080050 ← PN. 23080051

USEPA
WESTON/START
101 Billerica Ave
N Billerica, MA

CHAIN OF CUSTODY RECORD

Riverside Square PCB
Contact Name: Bonnie Mace
Contact Phone: 978-621-1213

No: 1-082223-101516-0004
Riverside Sq PCB
Lab: LSASD/CEMI
Lab Phone: 617-918-8490

8/24/23

Lab #	Sample #	Location	Sub Location	Analyses	Matrix	Sample Date	Sample Time	Numb Cont	Container	Lab QC
	S50134MA-0074	DD-060	B	Confirmatory PCB	Soil	5/5/2023	12:10	1	bag	
	S50134MA-0082	E-575	A	Confirmatory PCB	Soil	5/4/2023	11:30	1	bag	
	S50134MA-0083	E-600	A	Confirmatory PCB	Soil	5/4/2023	11:35	1	bag	
	S50134MA-0084	E-600	B	Confirmatory PCB	Soil	5/4/2023	11:50	1	bag	
	S50134MA-0095	E-750	A	Confirmatory PCB	Soil	5/4/2023	11:55	1	bag	
	S50134MA-0096	E-750	B	Confirmatory PCB	Soil	5/4/2023	12:05	1	bag	
	S50134MA-0097	E-775	A	Confirmatory PCB	Soil	5/4/2023	12:00	1	bag	
	S50134MA-0098	E-775	B	Confirmatory PCB	Soil	5/4/2023	12:10	1	bag	
	S50134MA-0099	E-800	A	Confirmatory PCB	Soil	5/4/2023	14:24	1	bag	
	S50134MA-0100	E-800	B	Confirmatory PCB	Soil	5/4/2023	14:55	1	bag	
	S50134MA-0105	EF-775	A	Confirmatory PCB	Soil	5/4/2023	14:37	1	bag	
	S50134MA-0106	EF-775	B	Confirmatory PCB	Soil	5/4/2023	14:48	1	bag	
	S50134MA-0109	F-600	A	Confirmatory PCB	Soil	5/4/2023	11:50	1	bag	
	S50134MA-0110	F-600	B	Confirmatory PCB	Soil	5/4/2023	11:58	1	bag	
	S50134MA-0111	F-625	A	Confirmatory PCB	Soil	5/4/2023	12:25	1	bag	
	S50134MA-0112	F-625	B	Confirmatory PCB	Soil	5/4/2023	12:35	1	bag	
	S50134MA-0119	F-750	A	Confirmatory PCB	Soil	5/4/2023	14:30	1	bag	
	S50134MA-0120	F-750	B	Confirmatory PCB	Soil	5/4/2023	14:35	1	bag	
	S50134MA-0126	G-600	A	Confirmatory PCB	Soil	5/4/2023	12:15	1	bag	

Special Instructions:

SAMPLES TRANSFERRED FROM
CHAIN OF CUSTODY #

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
	[signature] WESTON/START	8/24/2023 1210hrs	[signature] CSAT	8-24-23 12:10	

US EPA REGION 1
SAMPLE RECEIPT CHECKLIST

PROJ #: 23080050	RECEIPT DATE: 8-24-13
SURVEY NAME: RIVERSIDE SQUARE PCB LOCATION: BOSTON, MA	REC'D BY: Doris Guzman (ESAT)
OSC/PO: Tom Hatzopoulos	SITE ID: 01HG SUPERFUND: Y

WERE SAMPLES SHIPPED? N TRACKING #: _____ DATE/SENT: _____ NO. Hand Delivered		COMMENTS: Soil samples for confirmatory analysis collected May 2023 20 $METMS_PE
COOLER TEMPERATURE UPON ARRIVAL 22 °C / NA		
CHAIN OF CUSTODY PRESENT?	Y	
COMPLETE?	Y	
CUSTODY SEALS PRESENT ON COOLER?	N	
SAMPLES?	N	
WERE SAMPLE CONTAINERS INTACT?	Y	
WAS SAMPLE PRESERVATION DOCUMENTED? COC ✓ Sample Container	Y	
APPROPRIATE SAMPLES VOLUME FOR REQUESTED ANALYSIS?	Y	
SAMPLES AND COC MATCH?	Y	
IF ANY PROBLEMS WAS PROJECT MANAGER NOTIFIED? BY WHOM? _____		
APPROPRIATE SAMPLE CONTAINERS?		Poly bags
SAMPLES WITHIN HOLDING TIMES?	Y	
ALL ANALYSIS SPECIFIED ON COC?	Y	
DATE/TIME OF COLLECTION ON COC	Y	
TURN-AROUND TIME: 4 WEEKS		

United States Environmental Protection Agency
Laboratory Services and Applied Science Division
11 Technology Drive
North Chelmsford, MA 01863-2431

Laboratory Report

September 28, 2023

Tom Hatzopoulos (2-MO)
US EPA New England R1

Project Number: 23080051
Project: Riverside Square PCB - Boston, MA
Analysis: Metals in Soil by ICP-OES
EPA Chemist: Michael Dowling

Date Samples Received by the Laboratory: 08/24/2023

Analytical Procedure:

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

Sample preparation and analysis was done following the EPA Region I SOP, LSBSOP-OPTIMAS1.

Samples were prepared following the EPA Region I SOP, LSBSOP-INGMETALSPREP9

Preparation and analysis SOP's are based on "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 3rd Edition, Revision 2, Final Update III, Methods 3050B and 6010B," respectively. Samples were analyzed for Total Recoverable Metals using a Perkin Elmer Dual View Inductively Coupled Plasma - Optical Emission Spectrometer.

Results reported mg/kg, dry weight units unless specified.

Samples were prepared and analyzed by ESAT contractors working at the USEPA New England Laboratory.

Data were reviewed in accordance with the internal verification procedures described in the EPA New England Quality Manual for NERL.

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 BOUDREAU

Digitally signed by DANIEL BOUDREAU
Date: 2023.09.28 12:25:46 -04'00'

23080051$METMS_PE

Qualifiers:

RL = Reporting limit
ND = Not Detected above Reporting limit
NA = Not Applicable due to high sample dilutions or sample interferences
NC = Not calculated since analyte concentration is ND.
J = Estimated value
J1 = Estimated value due to MS recovery outside accceptance criteria
J2 = Estimated value due to LFB result outside acceptance criteria
J3 = Estimated value due to RPD result outside acceptance criteria
J4 = Estimated value due to LCS result outside acceptance criteria
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.
R = No recovery was calculated since the analyte concentration is greater than four times the spike level.
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.
A = Suspected Aldol condensation product.
N = Tentatively identified compound.
ANR = Analysis not required.

Riverside Square PCB - Boston, MA

Metals in Soil by ICP-OES

Client Sample ID:	S50134MA-0082	Lab Sample ID:	AC08421
Date of Collection:	5/04/2023	Matrix:	Soil
Date of Preparation:	9/13/2023	Amount Prepared:	N/A
Date of Analysis:	9/20/2023	Percent Solids:	N/A
Dry Weight Prepared:	N/A	Extract Dilution:	1
Wet Weight Prepared:	N/A	pH:	N/A
Volume Extracted:	N/A	GPC Factor:	N/A
Final Volume:	50 mL		

CAS Number	Compound	Concentration mg/Kg	RL mg/Kg	Qualifier
7440-22-4	Silver	ND	1.0	
7429-90-5	Aluminum	**12000**	11	
7440-38-2	Arsenic	**30**	2.0	
7440-39-3	Barium	**110**	2.0	
7440-41-7	Beryllium	ND	0.82	
7440-70-2	Calcium	**1500**	10	
7440-43-9	Cadmium	ND	1.0	
7440-48-4	Cobalt	**5.4**	2.0	
7440-47-3	Chromium	**180**	2.0	
7440-50-8	Copper	**170**	2.0	
7439-89-6	Iron	**16000**	4.1	
7439-95-4	Magnesium	**2500**	10	
7439-96-5	Manganese	**180**	2.0	
7440-02-0	Nickel	**12**	2.0	
7439-92-1	Lead	**600**	2.0	
7440-36-0	Antimony	ND	4.1	J1
7782-49-2	Selenium	ND	4.1	
7440-28-0	Thallium	ND	4.1	
7440-62-2	Vanadium	**44**	2.0	
7440-66-6	Zinc	**99**	2.0	

Comments: Antimony reporting limit raised due to interference.

Riverside Square PCB - Boston, MA

Metals in Soil by ICP-OES

Client Sample ID:	S50134MA-0083	Lab Sample ID:	AC08422
Date of Collection:	5/04/2023	Matrix:	Soil
Date of Preparation:	9/13/2023	Amount Prepared:	N/A
Date of Analysis:	9/20/2023	Percent Solids:	N/A
Dry Weight Prepared:	N/A	Extract Dilution:	1
Wet Weight Prepared:	N/A	pH:	N/A
Volume Extracted:	N/A	GPC Factor:	N/A
Final Volume:	50 mL		

CAS Number	Compound	Concentration mg/Kg	RL mg/Kg	Qualifier
7440-22-4	Silver	ND	1.0	
7429-90-5	Aluminum	**15000**	11	
7440-38-2	Arsenic	**17**	2.1	
7440-39-3	Barium	**87**	2.1	
7440-41-7	Beryllium	ND	0.83	
7440-70-2	Calcium	**1600**	10	
7440-43-9	Cadmium	ND	1.0	
7440-48-4	Cobalt	**6.0**	2.1	
7440-47-3	Chromium	**22**	2.1	
7440-50-8	Copper	**36**	2.1	
7439-89-6	Iron	**19000**	4.2	
7439-95-4	Magnesium	**2500**	10	
7439-96-5	Manganese	**340**	2.1	
7440-02-0	Nickel	**18**	2.1	
7439-92-1	Lead	**370**	2.1	
7440-36-0	Antimony	ND	4.2	
7782-49-2	Selenium	ND	4.2	
7440-28-0	Thallium	ND	4.2	
7440-62-2	Vanadium	**40**	2.1	
7440-66-6	Zinc	**160**	2.1	

Comments: Antimony reporting limit raised due to interference.

Riverside Square PCB - Boston, MA

Metals in Soil by ICP-OES

Client Sample ID:	S50134MA-0084	Lab Sample ID:	AC08423
Date of Collection:	5/04/2023	Matrix:	Soil
Date of Preparation:	9/13/2023	Amount Prepared:	N/A
Date of Analysis:	9/20/2023	Percent Solids:	N/A
Dry Weight Prepared:	N/A	Extract Dilution:	1
Wet Weight Prepared:	N/A	pH:	N/A
Volume Extracted:	N/A	GPC Factor:	N/A
Final Volume:	50 mL		

CAS Number	Compound	Concentration mg/Kg	RL mg/Kg	Qualifier
7440-22-4	Silver	ND	1.0	
7429-90-5	Aluminum	**16000**	11	
7440-38-2	Arsenic	**8.9**	2.0	
7440-39-3	Barium	**90**	2.0	
7440-41-7	Beryllium	ND	0.80	
7440-70-2	Calcium	**1300**	10	
7440-43-9	Cadmium	ND	1.0	
7440-48-4	Cobalt	**5.0**	2.0	
7440-47-3	Chromium	**18**	2.0	
7440-50-8	Copper	**22**	2.0	
7439-89-6	Iron	**15000**	4.0	
7439-95-4	Magnesium	**2200**	10	
7439-96-5	Manganese	**270**	2.0	
7440-02-0	Nickel	**12**	2.0	
7439-92-1	Lead	**160**	2.0	
7440-36-0	Antimony	ND	4.0	
7782-49-2	Selenium	ND	4.0	
7440-28-0	Thallium	ND	4.0	
7440-62-2	Vanadium	**33**	2.0	
7440-66-6	Zinc	**120**	2.0	

Comments: Antimony reporting limit raised due to interference.

Riverside Square PCB - Boston, MA

Metals in Soil by ICP-OES

Client Sample ID:	S50134MA-0095	Lab Sample ID:	AC08424
Date of Collection:	5/04/2023	Matrix:	Soil
Date of Preparation:	9/13/2023	Amount Prepared:	N/A
Date of Analysis:	9/20/2023	Percent Solids:	N/A
Dry Weight Prepared:	N/A	Extract Dilution:	1
Wet Weight Prepared:	N/A	pH:	N/A
Volume Extracted:	N/A	GPC Factor:	N/A
Final Volume:	50 mL		

CAS Number	Compound	Concentration mg/Kg	RL mg/Kg	Qualifier
7440-22-4	Silver	ND	1.0	
7429-90-5	Aluminum	**17000**	11	
7440-38-2	Arsenic	**19**	2.0	
7440-39-3	Barium	**95**	2.0	
7440-41-7	Beryllium	ND	0.82	
7440-70-2	Calcium	**1200**	10	
7440-43-9	Cadmium	ND	1.0	
7440-48-4	Cobalt	**3.3**	2.0	
7440-47-3	Chromium	**75**	2.0	
7440-50-8	Copper	**81**	2.0	
7439-89-6	Iron	**15000**	4.1	
7439-95-4	Magnesium	**1800**	10	
7439-96-5	Manganese	**110**	2.0	
7440-02-0	Nickel	**13**	2.0	
7439-92-1	Lead	**370**	2.0	
7440-36-0	Antimony	ND	4.1	
7782-49-2	Selenium	ND	4.1	
7440-28-0	Thallium	ND	4.1	
7440-62-2	Vanadium	**55**	2.0	
7440-66-6	Zinc	**50**	2.0	

Comments: Antimony reporting limit raised due to interference.

Riverside Square PCB - Boston, MA

Metals in Soil by ICP-OES

Client Sample ID:	S50134MA-0096	Lab Sample ID:	AC08425
Date of Collection:	5/04/2023	Matrix:	Soil
Date of Preparation:	9/13/2023	Amount Prepared:	N/A
Date of Analysis:	9/20/2023	Percent Solids:	N/A
Dry Weight Prepared:	N/A	Extract Dilution:	1
Wet Weight Prepared:	N/A	pH:	N/A
Volume Extracted:	N/A	GPC Factor:	N/A
Final Volume:	50 mL		

CAS Number	Compound	Concentration mg/Kg	RL mg/Kg	Qualifier
7440-22-4	Silver	ND	1.0	
7429-90-5	Aluminum	**13000**	11	
7440-38-2	Arsenic	**18**	2.0	
7440-39-3	Barium	**86**	2.0	
7440-41-7	Beryllium	ND	0.82	
7440-70-2	Calcium	**1100**	10	
7440-43-9	Cadmium	ND	1.0	
7440-48-4	Cobalt	**3.2**	2.0	
7440-47-3	Chromium	**81**	2.0	
7440-50-8	Copper	**88**	2.0	
7439-89-6	Iron	**14000**	4.1	
7439-95-4	Magnesium	**1600**	10	
7439-96-5	Manganese	**91**	2.0	
7440-02-0	Nickel	**14**	2.0	
7439-92-1	Lead	**440**	2.0	
7440-36-0	Antimony	ND	4.1	
7782-49-2	Selenium	ND	4.1	
7440-28-0	Thallium	ND	4.1	
7440-62-2	Vanadium	**56**	2.0	
7440-66-6	Zinc	**50**	2.0	

Comments: Antimony reporting limit raised due to interference.

Riverside Square PCB - Boston, MA

Metals in Soil by ICP-OES

Client Sample ID:	S50134MA-0097	Lab Sample ID:	AC08426
Date of Collection:	5/04/2023	Matrix:	Soil
Date of Preparation:	9/13/2023	Amount Prepared:	N/A
Date of Analysis:	9/20/2023	Percent Solids:	N/A
Dry Weight Prepared:	N/A	Extract Dilution:	1
Wet Weight Prepared:	N/A	pH:	N/A
Volume Extracted:	N/A	GPC Factor:	N/A
Final Volume:	50 mL		

CAS Number	Compound	Concentration mg/Kg	RL mg/Kg	Qualifier
7440-22-4	Silver	ND	1.1	
7429-90-5	Aluminum	**11000**	12	
7440-38-2	Arsenic	**19**	2.2	
7440-39-3	Barium	**1200**	2.2	
7440-41-7	Beryllium	ND	0.89	
7440-70-2	Calcium	**8200**	11	
7440-43-9	Cadmium	**4.1**	1.1	
7440-48-4	Cobalt	**9.8**	2.2	
7440-47-3	Chromium	**190**	2.2	
7440-50-8	Copper	**330**	2.2	
7439-89-6	Iron	**34000**	4.4	
7439-95-4	Magnesium	**2300**	11	
7439-96-5	Manganese	**730**	2.2	
7440-02-0	Nickel	**40**	2.2	
7439-92-1	Lead	**1400**	2.2	
7440-36-0	Antimony	ND	13	
7782-49-2	Selenium	ND	4.4	
7440-28-0	Thallium	ND	4.4	
7440-62-2	Vanadium	**93**	2.2	
7440-66-6	Zinc	**770**	2.2	

Comments: Result for antimony reported from the 3x analysis of 9/24/23. Reporting limit additionally raised due to interference.

Riverside Square PCB - Boston, MA

Metals in Soil by ICP-OES

Client Sample ID:	S50134MA-0098	Lab Sample ID:	AC08427
Date of Collection:	5/04/2023	Matrix:	Soil
Date of Preparation:	9/13/2023	Amount Prepared:	N/A
Date of Analysis:	9/20/2023	Percent Solids:	N/A
Dry Weight Prepared:	N/A	Extract Dilution:	1
Wet Weight Prepared:	N/A	pH:	N/A
Volume Extracted:	N/A	GPC Factor:	N/A
Final Volume:	50 mL		

CAS Number	Compound	Concentration mg/Kg	RL mg/Kg	Qualifier
7440-22-4	Silver	**1.3**	1.1	
7429-90-5	Aluminum	**16000**	12	
7440-38-2	Arsenic	**42**	2.2	
7440-39-3	Barium	**440**	2.2	
7440-41-7	Beryllium	**0.98**	0.89	
7440-70-2	Calcium	**3900**	11	
7440-43-9	Cadmium	**1.2**	1.1	
7440-48-4	Cobalt	**4.9**	2.2	
7440-47-3	Chromium	**700**	2.2	
7440-50-8	Copper	**540**	2.2	
7439-89-6	Iron	**19000**	4.4	
7439-95-4	Magnesium	**2800**	11	
7439-96-5	Manganese	**200**	2.2	
7440-02-0	Nickel	**19**	2.2	
7439-92-1	Lead	**1300**	2.2	
7440-36-0	Antimony	ND	13	
7782-49-2	Selenium	ND	4.4	
7440-28-0	Thallium	ND	4.4	
7440-62-2	Vanadium	**43**	2.2	
7440-66-6	Zinc	**330**	2.2	

Comments: Result for antimony reported from the 3x analysis of 9/24/23. Reporting limit additionally raised due to interference.

Riverside Square PCB - Boston, MA

Metals in Soil by ICP-OES

Client Sample ID:	S50134MA-0099	Lab Sample ID:	AC08428
Date of Collection:	5/04/2023	Matrix:	Soil
Date of Preparation:	9/13/2023	Amount Prepared:	N/A
Date of Analysis:	9/20/2023	Percent Solids:	N/A
Dry Weight Prepared:	N/A	Extract Dilution:	1
Wet Weight Prepared:	N/A	pH:	N/A
Volume Extracted:	N/A	GPC Factor:	N/A
Final Volume:	50 mL		

CAS Number	Compound	Concentration mg/Kg	RL mg/Kg	Qualifier
7440-22-4	Silver	**1.3**	1.1	
7429-90-5	Aluminum	**15000**	12	
7440-38-2	Arsenic	**17**	2.2	
7440-39-3	Barium	**270**	2.2	
7440-41-7	Beryllium	**1.0**	0.89	
7440-70-2	Calcium	**3300**	11	
7440-43-9	Cadmium	**3.9**	1.1	
7440-48-4	Cobalt	**5.9**	2.2	
7440-47-3	Chromium	**580**	2.2	
7440-50-8	Copper	**530**	2.2	
7439-89-6	Iron	**12000**	4.4	
7439-95-4	Magnesium	**2600**	11	
7439-96-5	Manganese	**140**	2.2	
7440-02-0	Nickel	**27**	2.2	
7439-92-1	Lead	**980**	2.2	
7440-36-0	Antimony	ND	4.4	
7782-49-2	Selenium	ND	4.4	
7440-28-0	Thallium	ND	4.4	
7440-62-2	Vanadium	**38**	2.2	
7440-66-6	Zinc	**730**	2.2	

Comments: Result for antimony reported from the analysis of 9/21/23; reporting limit raised due to interference.

Riverside Square PCB - Boston, MA

Metals in Soil by ICP-OES

Client Sample ID:	S50134MA-0100	Lab Sample ID:	AC08429
Date of Collection:	5/04/2023	Matrix:	Soil
Date of Preparation:	9/13/2023	Amount Prepared:	N/A
Date of Analysis:	9/21/2023	Percent Solids:	N/A
Dry Weight Prepared:	N/A	Extract Dilution:	2
Wet Weight Prepared:	N/A	pH:	N/A
Volume Extracted:	N/A	GPC Factor:	N/A
Final Volume:	50 mL		

CAS Number	Compound	Concentration mg/Kg	RL mg/Kg	Qualifier
7440-22-4	Silver	ND	2.2	
7429-90-5	Aluminum	**16000**	24	
7440-38-2	Arsenic	**53**	4.4	
7440-39-3	Barium	**810**	4.4	
7440-41-7	Beryllium	ND	1.7	
7440-70-2	Calcium	**4000**	22	
7440-43-9	Cadmium	**5.2**	2.2	
7440-48-4	Cobalt	**8.7**	4.4	
7440-47-3	Chromium	**1100**	4.4	
7440-50-8	Copper	**720**	4.4	
7439-89-6	Iron	**17000**	8.7	
7439-95-4	Magnesium	**2900**	22	
7439-96-5	Manganese	**210**	4.4	
7440-02-0	Nickel	**19**	4.4	
7439-92-1	Lead	**1500**	4.4	
7440-36-0	Antimony	ND	8.7	
7782-49-2	Selenium	ND	8.7	
7440-28-0	Thallium	ND	8.7	
7440-62-2	Vanadium	**33**	4.4	
7440-66-6	Zinc	**2000**	4.4	

Comments: Antimony reporting limit additionally raised due to interference.

Riverside Square PCB - Boston, MA

Metals in Soil by ICP-OES

Client Sample ID:	S50134MA-0105	Lab Sample ID:	AC08430
Date of Collection:	5/04/2023	Matrix:	Soil
Date of Preparation:	9/13/2023	Amount Prepared:	N/A
Date of Analysis:	9/20/2023	Percent Solids:	N/A
Dry Weight Prepared:	N/A	Extract Dilution:	1
Wet Weight Prepared:	N/A	pH:	N/A
Volume Extracted:	N/A	GPC Factor:	N/A
Final Volume:	50 mL		

CAS Number	Compound	Concentration mg/Kg	RL mg/Kg	Qualifier
7440-22-4	Silver	ND	1.0	
7429-90-5	Aluminum	**8500**	11	
7440-38-2	Arsenic	**14**	2.0	
7440-39-3	Barium	**190**	2.0	
7440-41-7	Beryllium	ND	0.80	
7440-70-2	Calcium	**2500**	10	
7440-43-9	Cadmium	**1.7**	1.0	
7440-48-4	Cobalt	**3.8**	2.0	
7440-47-3	Chromium	**260**	2.0	
7440-50-8	Copper	**370**	2.0	
7439-89-6	Iron	**10000**	4.0	
7439-95-4	Magnesium	**2000**	10	
7439-96-5	Manganese	**91**	2.0	
7440-02-0	Nickel	**20**	2.0	
7439-92-1	Lead	**690**	2.0	
7440-36-0	Antimony	ND	4.0	
7782-49-2	Selenium	ND	4.0	
7440-28-0	Thallium	ND	4.0	
7440-62-2	Vanadium	**26**	2.0	
7440-66-6	Zinc	**360**	2.0	

Comments: Result for antimony reported from the analysis of 9/21/23; reporting limit raised due to interference.

Riverside Square PCB - Boston, MA

Metals in Soil by ICP-OES

Client Sample ID:	S50134MA-0106	Lab Sample ID:	AC08431
Date of Collection:	5/04/2023	Matrix:	Soil
Date of Preparation:	9/13/2023	Amount Prepared:	N/A
Date of Analysis:	9/21/2023	Percent Solids:	N/A
Dry Weight Prepared:	N/A	Extract Dilution:	2
Wet Weight Prepared:	N/A	pH:	N/A
Volume Extracted:	N/A	GPC Factor:	N/A
Final Volume:	50 mL		

CAS Number	Compound	Concentration mg/Kg	RL mg/Kg	Qualifier
7440-22-4	Silver	ND	2.2	
7429-90-5	Aluminum	**16000**	24	
7440-38-2	Arsenic	**62**	4.4	
7440-39-3	Barium	**910**	4.4	
7440-41-7	Beryllium	ND	1.7	
7440-70-2	Calcium	**2600**	22	
7440-43-9	Cadmium	**3.2**	2.2	
7440-48-4	Cobalt	**5.6**	4.4	
7440-47-3	Chromium	**1200**	4.4	
7440-50-8	Copper	**800**	4.4	
7439-89-6	Iron	**19000**	8.7	
7439-95-4	Magnesium	**2700**	22	
7439-96-5	Manganese	**140**	4.4	
7440-02-0	Nickel	**16**	4.4	
7439-92-1	Lead	**1500**	4.4	
7440-36-0	Antimony	ND	8.7	
7782-49-2	Selenium	ND	8.7	
7440-28-0	Thallium	ND	8.7	
7440-62-2	Vanadium	**32**	4.4	
7440-66-6	Zinc	**1000**	4.4	

Comments: Antimony reporting limit additionally raised due to interference.

Riverside Square PCB - Boston, MA

Metals in Soil by ICP-OES

Client Sample ID:	S50134MA-0109	Lab Sample ID:	AC08432
Date of Collection:	5/04/2023	Matrix:	Soil
Date of Preparation:	9/13/2023	Amount Prepared:	N/A
Date of Analysis:	9/20/2023	Percent Solids:	N/A
Dry Weight Prepared:	N/A	Extract Dilution:	1
Wet Weight Prepared:	N/A	pH:	N/A
Volume Extracted:	N/A	GPC Factor:	N/A
Final Volume:	50 mL		

CAS Number	Compound	Concentration mg/Kg	RL mg/Kg	Qualifier
7440-22-4	Silver	ND	1.0	
7429-90-5	Aluminum	**13000**	11	
7440-38-2	Arsenic	**16**	2.0	
7440-39-3	Barium	**130**	2.0	
7440-41-7	Beryllium	ND	0.80	
7440-70-2	Calcium	**1900**	10	
7440-43-9	Cadmium	**1.3**	1.0	
7440-48-4	Cobalt	**6.0**	2.0	
7440-47-3	Chromium	**97**	2.0	
7440-50-8	Copper	**360**	2.0	
7439-89-6	Iron	**18000**	4.0	
7439-95-4	Magnesium	**2000**	10	
7439-96-5	Manganese	**270**	2.0	
7440-02-0	Nickel	**16**	2.0	
7439-92-1	Lead	**800**	2.0	
7440-36-0	Antimony	ND	4.0	
7782-49-2	Selenium	ND	4.0	
7440-28-0	Thallium	ND	4.0	
7440-62-2	Vanadium	**41**	2.0	
7440-66-6	Zinc	**270**	2.0	

Comments: Antimony reporting limit raised due to interference.

Riverside Square PCB - Boston, MA

Metals in Soil by ICP-OES

Client Sample ID:	S50134MA-0110	Lab Sample ID:	AC08433
Date of Collection:	5/04/2023	Matrix:	Soil
Date of Preparation:	9/13/2023	Amount Prepared:	N/A
Date of Analysis:	9/20/2023	Percent Solids:	N/A
Dry Weight Prepared:	N/A	Extract Dilution:	1
Wet Weight Prepared:	N/A	pH:	N/A
Volume Extracted:	N/A	GPC Factor:	N/A
Final Volume:	50 mL		

CAS Number	Compound	Concentration mg/Kg	RL mg/Kg	Qualifier
7440-22-4	Silver	ND	1.0	
7429-90-5	Aluminum	**12000**	11	
7440-38-2	Arsenic	**24**	2.0	
7440-39-3	Barium	**270**	2.0	
7440-41-7	Beryllium	ND	0.80	
7440-70-2	Calcium	**1800**	10	
7440-43-9	Cadmium	**1.1**	1.0	
7440-48-4	Cobalt	**7.2**	2.0	
7440-47-3	Chromium	**390**	2.0	
7440-50-8	Copper	**370**	2.0	
7439-89-6	Iron	**17000**	4.0	
7439-95-4	Magnesium	**2200**	10	
7439-96-5	Manganese	**280**	2.0	
7440-02-0	Nickel	**14**	2.0	
7439-92-1	Lead	**890**	2.0	
7440-36-0	Antimony	ND	4.0	
7782-49-2	Selenium	ND	4.0	
7440-28-0	Thallium	ND	4.0	
7440-62-2	Vanadium	**30**	2.0	
7440-66-6	Zinc	**190**	2.0	

Comments: Result for antimony reported from the analysis of 9/21/23, additionally, reporting limit raised due to interference.

Riverside Square PCB - Boston, MA

Metals in Soil by ICP-OES

Client Sample ID:	S50134MA-0111	Lab Sample ID:	AC08434
Date of Collection:	5/04/2023	Matrix:	Soil
Date of Preparation:	9/13/2023	Amount Prepared:	N/A
Date of Analysis:	9/20/2023	Percent Solids:	N/A
Dry Weight Prepared:	N/A	Extract Dilution:	1
Wet Weight Prepared:	N/A	pH:	N/A
Volume Extracted:	N/A	GPC Factor:	N/A
Final Volume:	50 mL		

CAS Number	Compound	Concentration mg/Kg	RL mg/Kg	Qualifier
7440-22-4	Silver	ND	1.0	
7429-90-5	Aluminum	**11000**	11	
7440-38-2	Arsenic	**12**	2.0	
7440-39-3	Barium	**34**	2.0	
7440-41-7	Beryllium	ND	0.82	
7440-70-2	Calcium	**790**	10	
7440-43-9	Cadmium	ND	1.0	
7440-48-4	Cobalt	**2.3**	2.0	
7440-47-3	Chromium	**34**	2.0	
7440-50-8	Copper	**52**	2.0	
7439-89-6	Iron	**13000**	4.1	
7439-95-4	Magnesium	**1300**	10	
7439-96-5	Manganese	**75**	2.0	
7440-02-0	Nickel	**12**	2.0	
7439-92-1	Lead	**240**	2.0	
7440-36-0	Antimony	ND	4.1	
7782-49-2	Selenium	ND	4.1	
7440-28-0	Thallium	ND	4.1	
7440-62-2	Vanadium	**70**	2.0	
7440-66-6	Zinc	**45**	2.0	

Comments: Antimony reporting limit raised due to interference.

Riverside Square PCB - Boston, MA

Metals in Soil by ICP-OES

Client Sample ID:	S50134MA-0112	Lab Sample ID:	AC08435
Date of Collection:	5/04/2023	Matrix:	Soil
Date of Preparation:	9/13/2023	Amount Prepared:	N/A
Date of Analysis:	9/20/2023	Percent Solids:	N/A
Dry Weight Prepared:	N/A	Extract Dilution:	1
Wet Weight Prepared:	N/A	pH:	N/A
Volume Extracted:	N/A	GPC Factor:	N/A
Final Volume:	50 mL		

CAS Number	Compound	Concentration mg/Kg	RL mg/Kg	Qualifier
7440-22-4	Silver	ND	0.96	
7429-90-5	Aluminum	**15000**	11	
7440-38-2	Arsenic	**2.8**	1.9	
7440-39-3	Barium	**22**	1.9	
7440-41-7	Beryllium	ND	0.77	
7440-70-2	Calcium	**590**	9.6	
7440-43-9	Cadmium	ND	0.96	
7440-48-4	Cobalt	**2.3**	1.9	
7440-47-3	Chromium	**15**	1.9	
7440-50-8	Copper	**6.6**	1.9	
7439-89-6	Iron	**11000**	3.8	
7439-95-4	Magnesium	**1300**	9.6	
7439-96-5	Manganese	**70**	1.9	
7440-02-0	Nickel	**6.6**	1.9	
7439-92-1	Lead	**17**	1.9	
7440-36-0	Antimony	ND	3.8	
7782-49-2	Selenium	ND	3.8	
7440-28-0	Thallium	ND	3.8	
7440-62-2	Vanadium	**28**	1.9	
7440-66-6	Zinc	**29**	1.9	

Comments: Antimony reporting limit raised due to interference.

Riverside Square PCB - Boston, MA

Metals in Soil by ICP-OES

Client Sample ID:	S50134MA-0119	Lab Sample ID:	AC08436
Date of Collection:	5/04/2023	Matrix:	Soil
Date of Preparation:	9/13/2023	Amount Prepared:	N/A
Date of Analysis:	9/20/2023	Percent Solids:	N/A
Dry Weight Prepared:	N/A	Extract Dilution:	1
Wet Weight Prepared:	N/A	pH:	N/A
Volume Extracted:	N/A	GPC Factor:	N/A
Final Volume:	50 mL		

CAS Number	Compound	Concentration mg/Kg	RL mg/Kg	Qualifier
7440-22-4	Silver	**1.3**	1.1	
7429-90-5	Aluminum	**15000**	12	
7440-38-2	Arsenic	**27**	2.2	
7440-39-3	Barium	**310**	2.2	
7440-41-7	Beryllium	**0.99**	0.87	
7440-70-2	Calcium	**3700**	11	
7440-43-9	Cadmium	**3.5**	1.1	
7440-48-4	Cobalt	**5.2**	2.2	
7440-47-3	Chromium	**840**	2.2	
7440-50-8	Copper	**590**	2.2	
7439-89-6	Iron	**14000**	4.4	
7439-95-4	Magnesium	**2700**	11	
7439-96-5	Manganese	**190**	2.2	
7440-02-0	Nickel	**22**	2.2	
7439-92-1	Lead	**1100**	2.2	
7440-36-0	Antimony	ND	4.4	
7782-49-2	Selenium	ND	4.4	
7440-28-0	Thallium	ND	4.4	
7440-62-2	Vanadium	**34**	2.2	
7440-66-6	Zinc	**650**	2.2	

Comments: Result for antimony reported from the analysis of 9/21/23; additionally, the reporting limit was raised due to interference.

Riverside Square PCB - Boston, MA

Metals in Soil by ICP-OES

Client Sample ID:	S50134MA-0120	Lab Sample ID:	AC08437
Date of Collection:	5/04/2023	Matrix:	Soil
Date of Preparation:	9/13/2023	Amount Prepared:	N/A
Date of Analysis:	9/20/2023	Percent Solids:	N/A
Dry Weight Prepared:	N/A	Extract Dilution:	1
Wet Weight Prepared:	N/A	pH:	N/A
Volume Extracted:	N/A	GPC Factor:	N/A
Final Volume:	50 mL		

CAS Number	Compound	Concentration mg/Kg	RL mg/Kg	Qualifier
7440-22-4	Silver	**1.2**	1.1	
7429-90-5	Aluminum	**15000**	12	
7440-38-2	Arsenic	**38**	2.2	
7440-39-3	Barium	**1100**	2.2	
7440-41-7	Beryllium	ND	0.87	
7440-70-2	Calcium	**2600**	11	
7440-43-9	Cadmium	**2.0**	1.1	
7440-48-4	Cobalt	**4.5**	2.2	
7440-47-3	Chromium	**750**	2.2	
7440-50-8	Copper	**600**	2.2	
7439-89-6	Iron	**14000**	4.4	
7439-95-4	Magnesium	**2900**	11	
7439-96-5	Manganese	**130**	2.2	
7440-02-0	Nickel	**15**	2.2	
7439-92-1	Lead	**1200**	2.2	
7440-36-0	Antimony	ND	4.4	
7782-49-2	Selenium	ND	4.4	
7440-28-0	Thallium	ND	4.4	
7440-62-2	Vanadium	**33**	2.2	
7440-66-6	Zinc	**520**	2.2	

Comments: Result for antimony reported from the analysis of 9/21/23; additionally, the reporting limit for antimony raised due to interference.

Riverside Square PCB - Boston, MA

Metals in Soil by ICP-OES

Client Sample ID:	S50134MA-0126	Lab Sample ID:	AC08438
Date of Collection:	5/04/2023	Matrix:	Soil
Date of Preparation:	9/13/2023	Amount Prepared:	N/A
Date of Analysis:	9/20/2023	Percent Solids:	N/A
Dry Weight Prepared:	N/A	Extract Dilution:	1
Wet Weight Prepared:	N/A	pH:	N/A
Volume Extracted:	N/A	GPC Factor:	N/A
Final Volume:	50 mL		

CAS Number	Compound	Concentration mg/Kg	RL mg/Kg	Qualifier
7440-22-4	Silver	ND	0.98	
7429-90-5	Aluminum	**9500**	11	
7440-38-2	Arsenic	**5.3**	2.0	
7440-39-3	Barium	**54**	2.0	
7440-41-7	Beryllium	ND	0.78	
7440-70-2	Calcium	**1700**	9.8	
7440-43-9	Cadmium	ND	0.98	
7440-48-4	Cobalt	**6.5**	2.0	
7440-47-3	Chromium	**52**	2.0	
7440-50-8	Copper	**44**	2.0	
7439-89-6	Iron	**12000**	3.9	
7439-95-4	Magnesium	**2800**	9.8	
7439-96-5	Manganese	**200**	2.0	
7440-02-0	Nickel	**12**	2.0	
7439-92-1	Lead	**230**	2.0	
7440-36-0	Antimony	ND	3.9	
7782-49-2	Selenium	ND	3.9	
7440-28-0	Thallium	ND	3.9	
7440-62-2	Vanadium	**29**	2.0	
7440-66-6	Zinc	**84**	2.0	

Comments: Antimony reporting limit raised due to interference.

Riverside Square PCB - Boston, MA

Metals in Soil by ICP-OES

Client Sample ID:	S50134MA-0139	Lab Sample ID:	AC08439
Date of Collection:	5/04/2023	Matrix:	Soil
Date of Preparation:	9/13/2023	Amount Prepared:	N/A
Date of Analysis:	9/20/2023	Percent Solids:	N/A
Dry Weight Prepared:	N/A	Extract Dilution:	1
Wet Weight Prepared:	N/A	pH:	N/A
Volume Extracted:	N/A	GPC Factor:	N/A
Final Volume:	50 mL		

CAS Number	Compound	Concentration mg/Kg	RL mg/Kg	Qualifier
7440-22-4	Silver	**1.1**	1.0	
7429-90-5	Aluminum	**13000**	11	
7440-38-2	Arsenic	**49**	2.0	
7440-39-3	Barium	**700**	2.0	
7440-41-7	Beryllium	ND	0.80	
7440-70-2	Calcium	**1800**	10	
7440-43-9	Cadmium	**1.4**	1.0	
7440-48-4	Cobalt	**4.2**	2.0	
7440-47-3	Chromium	**740**	2.0	
7440-50-8	Copper	**590**	2.0	
7439-89-6	Iron	**15000**	4.0	
7439-95-4	Magnesium	**2400**	10	
7439-96-5	Manganese	**110**	2.0	
7440-02-0	Nickel	**15**	2.0	
7439-92-1	Lead	**1200**	2.0	
7440-36-0	Antimony	ND	4.0	
7782-49-2	Selenium	ND	4.0	
7440-28-0	Thallium	ND	4.0	
7440-62-2	Vanadium	**30**	2.0	
7440-66-6	Zinc	**310**	2.0	

Comments: Result for antimony reported from the analysis of 9/21/23; additionally, the reporting limit for antimony was raised due to interference.

Riverside Square PCB - Boston, MA

Metals in Soil by ICP-OES

Client Sample ID:	S50134MA-0147	Lab Sample ID:	AC08440
Date of Collection:	5/04/2023	Matrix:	Soil
Date of Preparation:	9/13/2023	Amount Prepared:	N/A
Date of Analysis:	9/20/2023	Percent Solids:	N/A
Dry Weight Prepared:	N/A	Extract Dilution:	1
Wet Weight Prepared:	N/A	pH:	N/A
Volume Extracted:	N/A	GPC Factor:	N/A
Final Volume:	50 mL		

CAS Number	Compound	Concentration mg/Kg	RL mg/Kg	Qualifier
7440-22-4	Silver	**1.6**	1.0	
7429-90-5	Aluminum	**16000**	11	
7440-38-2	Arsenic	**44**	2.0	
7440-39-3	Barium	**460**	2.0	
7440-41-7	Beryllium	**0.99**	0.82	
7440-70-2	Calcium	**4600**	10	
7440-43-9	Cadmium	**1.1**	1.0	
7440-48-4	Cobalt	**5.0**	2.0	
7440-47-3	Chromium	**770**	2.0	
7440-50-8	Copper	**580**	2.0	
7439-89-6	Iron	**19000**	4.1	
7439-95-4	Magnesium	**2900**	10	
7439-96-5	Manganese	**210**	2.0	
7440-02-0	Nickel	**19**	2.0	
7439-92-1	Lead	**1400**	2.0	
7440-36-0	Antimony	**5.4**	4.1	J
7782-49-2	Selenium	ND	4.1	
7440-28-0	Thallium	ND	4.1	
7440-62-2	Vanadium	**47**	2.0	
7440-66-6	Zinc	**350**	2.0	

Comments: Result for antimony reported from the analysis of 9/21/23; additionally, the reporting limit for antimony was raised due to interference; the result was qualified as estimated J.

Riverside Square PCB - Boston, MA

Laboratory Reagent Blank

Client Sample ID:	N/A	Lab Sample ID:	N/A
Date of Collection:	N/A	Matrix:	Soil
Date of Preparation:	9/13/2023	Amount Prepared:	N/A
Date of Analysis:	9/20/2023	Percent Solids:	N/A
Dry Weight Prepared:	N/A	Extract Dilution:	1
Wet Weight Prepared:	N/A	pH:	N/A
Volume Extracted:	N/A	GPC Factor:	N/A
Final Volume:	50 mL		

CAS Number	Compound	Concentration ug/L	RL ug/L	Qualifier
7440-22-4	Silver	ND	10	
7429-90-5	Aluminum	ND	110	
7440-38-2	Arsenic	ND	20	
7440-39-3	Barium	ND	20	
7440-41-7	Beryllium	ND	8.0	
7440-70-2	Calcium	ND	100	
7440-43-9	Cadmium	ND	10	
7440-48-4	Cobalt	ND	20	
7440-47-3	Chromium	ND	20	
7440-50-8	Copper	ND	20	
7439-89-6	Iron	ND	40	
7439-95-4	Magnesium	ND	100	
7439-96-5	Manganese	ND	20	
7440-02-0	Nickel	ND	20	
7439-92-1	Lead	ND	20	
7440-36-0	Antimony	ND	40	
7782-49-2	Selenium	ND	40	
7440-28-0	Thallium	ND	40	
7440-62-2	Vanadium	ND	20	
7440-66-6	Zinc	ND	20	

Comments: Matrix is Deionized (DI) Water.

Riverside Square PCB - Boston, MA

MATRIX SPIKE (MS) RECOVERY

Sample ID: AC08421

PARAMETER	SPIKE ADDED mg/Kg	SAMPLE CONCENTRATION mg/Kg	MS CONCENTRATION mg/Kg	MS % REC	QC LIMITS (% REC)
Antimony	102	ND	42.0	41	75 - 125
Arsenic	102	30.0	124	92	75 - 125
Barium	102	110	207	95	75 - 125
Beryllium	41.0	ND	41.0	101	75 - 125
Cadmium	51.0	ND	49.0	97	75 - 125
Chromium	102	180	276	94	75 - 125
Cobalt	102	5.4	107	100	75 - 125
Copper	102	170	272	100	75 - 125
Lead	102	600	681	R	75 - 125
Manganese	102	180	303	121	75 - 125
Nickel	102	12.0	113	99	75 - 125
Selenium	102	ND	95.0	93	75 - 125
Silver	20.0	ND	20.0	100	75 - 125
Thallium	102	ND	100	98	75 - 125
Vanadium	102	44.0	142	96	75 - 125
Zinc	102	99.0	203	102	75 - 125

Riverside Square PCB - Boston, MA

Laboratory Duplicate Results

Sample ID: AC08422

PARAMETER	SAMPLE RESULT mg/Kg	SAMPLE DUPLICATE RESULT mg/Kg	PRECISION RPD %	QC LIMITS
Aluminum	15000	14000	6.9	30
Antimony	ND	ND	NC	30
Arsenic	17.0	16.0	6.1	30
Barium	87.0	83.0	4.7	30
Beryllium	ND	ND	NC	30
Cadmium	ND	ND	NC	30
Calcium	1600	1500	6.5	30
Chromium	22.0	20.0	9.5	30
Cobalt	6.0	5.1	16	30
Copper	36.0	33.0	8.7	30
Iron	19000	14000	30	30
Lead	370	330	11	30
Magnesium	2500	2100	17	30
Manganese	340	320	6.1	30
Nickel	18.0	14.0	25	30
Selenium	ND	ND	NC	30
Silver	ND	ND	NC	30
Thallium	ND	ND	NC	30
Vanadium	40.0	38.0	5.1	30
Zinc	160	150	6.5	30

Riverside Square PCB - Boston, MA

Laboratory Fortified Blank (LFB) Results

PARAMETER	LFB AMOUNT SPIKED ug/L	LFB RESULT ug/L	LFB RECOVERY %	QC LIMITS %
Aluminum	1000	1000	100	85 - 115
Antimony	1000	975	98	85 - 115
Arsenic	1000	928	93	85 - 115
Barium	1000	991	99	85 - 115
Beryllium	400	399	100	85 - 115
Cadmium	500	480	96	85 - 115
Calcium	10000	9800	98	85 - 115
Chromium	1000	1010	101	85 - 115
Cobalt	1000	991	99	85 - 115
Copper	1000	1030	103	85 - 115
Iron	1000	1010	101	85 - 115
Lead	1000	999	100	85 - 115
Magnesium	10000	9820	98	85 - 115
Manganese	1000	991	99	85 - 115
Nickel	1000	992	99	85 - 115
Selenium	1000	905	91	85 - 115
Silver	200	197	99	85 - 115
Thallium	1000	998	100	85 - 115
Vanadium	1000	1010	101	85 - 115
Zinc	1000	960	96	85 - 115

Comments:

Riverside Square PCB - Boston, MA

Solid Laboratory Control Sample (LCS) Results

PARAMETER	LCS RESULTS mg/Kg	CONTROL LIMITS mg/Kg
Aluminum	9150	3750 - 11500
Antimony	88.1	25.0 - 298
Arsenic	186	130 - 242
Barium	262	193 - 322
Beryllium	115	85.1 - 142
Cadmium	88.0	66.7 - 111
Calcium	5120	3410 - 5990
Chromium	211	142 - 264
Cobalt	169	123 - 205
Copper	184	124 - 207
Iron	16300	4700 - 22800
Lead	234	161 - 276
Magnesium	2450	1390 - 3120
Manganese	302	216 - 365
Nickel	196	131 - 242
Selenium	148	102 - 201
Silver	51.4	33.2 - 61.9
Thallium	257	181 - 316
Vanadium	147	97.9 - 177
Zinc	254	170 - 316

Comments:

Samples in Batch: AC08421, AC08422, AC08423, AC08424, AC08425, AC08426, AC08427, AC08428, AC08429, AC08430, AC08431, AC08432, AC08433, AC08434, AC08435, AC08436, AC08437, AC08438, AC08439, AC08440

USEPA
WESTON/START
101 Billerica Ave
N Billerica, MA

CHAIN OF CUSTODY RECORD
Riverside Square PCB
Contact Name: Bonnie Mace
Contact Phone: 978-621-1213

No: 1-082223-101516-0004
Riverside Sq PCB
Lab: LSASD/OEME
Lab Phone: 617-918-8490

8/24/23

Lab #	Sample #	Location	Sub Location	Analyses	Matrix	Sample Date	Sample Time	Numb Cont	Container	Lab QC
	S50134MA-0074	DD-050	B	Confirmatory PCB metals	Soil	5/5/2023	12:10	1	bag	
	S50134MA-0082	E-575	A	Confirmatory PCB	Soil	5/4/2023	11:30	1	bag	
	S50134MA-0083	E-600	A	Confirmatory PCB	Soil	5/4/2023	11:35	1	bag	
	S50134MA-0084	E-600	B	Confirmatory PCB	Soil	5/4/2023	11:50	1	bag	
	S50134MA-0095	E-750	A	Confirmatory PCB	Soil	5/4/2023	11:55	1	bag	
	S50134MA-0096	E-750	B	Confirmatory PCB	Soil	5/4/2023	12:05	1	bag	
	S50134MA-0097	E-775	A	Confirmatory PCB	Soil	5/4/2023	12:00	1	bag	
	S50134MA-0098	E-775	B	Confirmatory PCB	Soil	5/4/2023	12:10	1	bag	
	S50134MA-0099	E-800	A	Confirmatory PCB	Soil	5/4/2023	14:24	1	bag	
	S50134MA-0100	E-800	B	Confirmatory PCB	Soil	5/4/2023	14:58	1	bag	
	S50134MA-0105	EF-775	A	Confirmatory PCB	Soil	5/4/2023	14:37	1	bag	
	S50134MA-0106	EF-775	B	Confirmatory PCB	Soil	5/4/2023	14:48	1	bag	
	S50134MA-0109	F-600	A	Confirmatory PCB	Soil	5/4/2023	11:50	1	bag	
	S50134MA-0110	F-600	B	Confirmatory PCB	Soil	5/4/2023	11:58	1	bag	
	S50134MA-0111	F-625	A	Confirmatory PCB	Soil	5/4/2023	12:25	1	bag	
	S50134MA-0112	F-625	B	Confirmatory PCB	Soil	5/4/2023	12:35	1	bag	
	S50134MA-0119	F-750	A	Confirmatory PCB	Soil	5/4/2023	14:30	1	bag	
	S50134MA-0120	F-750	B	Confirmatory PCB	Soil	5/4/2023	14:35	1	bag	
	S50134MA-0126	G-600	A	Confirmatory PCB	Soil	5/4/2023	12:15	1	bag	

PN: 2308005 1

Special Instructions:	SAMPLES TRANSFERRED FROM CHAIN OF CUSTODY #

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
	WESTONSTART	8/24/2023 1210hrs	ESAT	8-24-23 12:10	

PN: 23080051

USEPA
WESTON/START
101 Billerica Ave
N Billerica, MA

CHAIN OF CUSTODY RECORD
Riverside Square PCB
Contact Name: Bonnie Mace
Contact Phone: 978-621-1213

No: 1-082223-101516-0004
Riverside Sq PCB
Lab: LSASD/OEME
Lab Phone: 617-918-8490

8/24/23

Lab #	Sample #	Location	Sub Location	Analyses (39 Metals	Matrix	Sample Date	Sample Time	Numb Cont	Container	Lab QC
	S50134MA-0139	W-003	A	Confirmatory PCB	Soil	5/4/2023	14:45	1	bag	
	S50134MA-0147	E-775	Dup	Confirmatory PCB	Soil	5/4/2023	12:10	1	bag	

Special Instructions:	SAMPLES TRANSFERRED FROM CHAIN OF CUSTODY #

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
	WESTON START	8/24/2023 1210 hrs	CSAT	8-24-23 12 10	

US EPA REGION 1
SAMPLE RECEIPT CHECKLIST

PROJ #: 23080051	RECEIPT DATE: 8-24-13
SURVEY NAME: RIVERSIDE SQUARE PCB LOCATION: BOSTON, MA	REC'D BY: Doris Guzman (ESAT)
OSC/PO: Tom Hatzopoulos	SITE ID: 01HG SUPERFUND: Y

WERE SAMPLES SHIPPED? N TRACKING #: _____ DATE/SENT: _____ NO. Hand Delivered		COMMENTS: Soil samples for confirmatory analysis collected May 2023 20 $METMS_PE
COOLER TEMPERATURE UPON ARRIVAL: 2.2 °C / NA		
CHAIN OF CUSTODY PRESENT?	Y	
COMPLETE?	Y	
CUSTODY SEALS PRESENT ON COOLER?	N	
SAMPLES?	N	
WERE SAMPLE CONTAINERS INTACT?	Y	
WAS SAMPLE PRESERVATION DOCUMENTED? COC ✓ Sample Container	Y	
APPROPRIATE SAMPLES VOLUME FOR REQUESTED ANALYSIS?	Y	
SAMPLES AND COC MATCH?	Y	
IF ANY PROBLEMS WAS PROJECT MANAGER NOTIFIED? BY WHOM? _____		
APPROPRIATE SAMPLE CONTAINERS?		Poly bags
SAMPLES WITHIN HOLDING TIMES?	Y	
ALL ANALYSIS SPECIFIED ON COC?	Y	
DATE/TIME OF COLLECTION ON COC	Y	
TURN-AROUND TIME: 4 WEEKS		

United States Environmental Protection Agency
Laboratory Services and Applied Science Division
11 Technology Drive
North Chelmsford, MA 01863-2431

Laboratory Report

September 28, 2023

Tom Hatzopoulos (2-MO)
US EPA New England R1

Project Number: 23080055
Project: Riverside Square PCB - Boston, MA
Analysis: Metals in Soil by ICP-OES
EPA Chemist: Michael Dowling

Date Samples Received by the Laboratory: 08/29/2023

Analytical Procedure:

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

Sample preparation and analysis was done following the EPA Region I SOP, LSBSOP-OPTIMAS1.

Samples were prepared following the EPA Region I SOP, LSBSOP-INGMETALSPREP9

Preparation and analysis SOP's are based on "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 3rd Edition, Revision 2, Final Update III, Methods 3050B and 6010B," respectively. Samples were analyzed for Total Recoverable Metals using a Perkin Elmer Dual View Inductively Coupled Plasma - Optical Emission Spectrometer.

Results reported mg/kg, dry weight units unless specified.

Samples were prepared and analyzed by ESAT contractors working at the USEPA New England Laboratory.

Data were reviewed in accordance with the internal verification procedures described in the EPA New England Quality Manual for NERL.

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 BOUDREAU

Digitally signed by DANIEL BOUDREAU
Date: 2023.09.28 15:01:35 -04'00'

23080055$METMS_PE

Qualifiers:

RL = Reporting limit
ND = Not Detected above Reporting limit
NA = Not Applicable due to high sample dilutions or sample interferences
NC = Not calculated since analyte concentration is ND.
J = Estimated value
J1 = Estimated value due to MS recovery outside accceptance criteria
J2 = Estimated value due to LFB result outside acceptance criteria
J3 = Estimated value due to RPD result outside acceptance criteria
J4 = Estimated value due to LCS result outside acceptance criteria
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.
R = No recovery was calculated since the analyte concentration is greater than four times the spike level.
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.
A = Suspected Aldol condensation product.
N = Tentatively identified compound.
ANR = Analysis not required.

Riverside Square PCB - Boston, MA

Metals in Soil by ICP-OES

Client Sample ID:	A000A	Lab Sample ID:	AC08492
Date of Collection:	7/25/2023	Matrix:	Soil
Date of Preparation:	9/13/2023	Amount Prepared:	N/A
Date of Analysis:	9/20/2023	Percent Solids:	N/A
Dry Weight Prepared:	N/A	Extract Dilution:	1
Wet Weight Prepared:	N/A	pH:	N/A
Volume Extracted:	N/A	GPC Factor:	N/A
Final Volume:	50 mL		

CAS Number	Compound	Concentration mg/Kg	RL mg/Kg	Qualifier
7440-22-4	Silver	ND	1.1	
7429-90-5	Aluminum	**13000**	12	
7440-38-2	Arsenic	**14**	2.2	
7440-39-3	Barium	**70**	2.2	
7440-41-7	Beryllium	ND	0.89	
7440-70-2	Calcium	**2300**	11	
7440-43-9	Cadmium	ND	1.1	
7440-48-4	Cobalt	**5.7**	2.2	
7440-47-3	Chromium	**21**	2.2	
7440-50-8	Copper	**37**	2.2	
7439-89-6	Iron	**15000**	4.4	
7439-95-4	Magnesium	**3200**	11	
7439-96-5	Manganese	**370**	2.2	
7440-02-0	Nickel	**15**	2.2	
7439-92-1	Lead	**260**	2.2	
7440-36-0	Antimony	ND	4.4	J1
7782-49-2	Selenium	ND	4.4	
7440-28-0	Thallium	ND	4.4	
7440-62-2	Vanadium	**55**	2.2	
7440-66-6	Zinc	**170**	2.2	

Comments: Reporting limit for antimony raised due to interference.

Riverside Square PCB - Boston, MA

Metals in Soil by ICP-OES

Client Sample ID:	B000A	Lab Sample ID:	AC08493
Date of Collection:	7/24/2023	Matrix:	Soil
Date of Preparation:	9/13/2023	Amount Prepared:	N/A
Date of Analysis:	9/20/2023	Percent Solids:	N/A
Dry Weight Prepared:	N/A	Extract Dilution:	1
Wet Weight Prepared:	N/A	pH:	N/A
Volume Extracted:	N/A	GPC Factor:	N/A
Final Volume:	50 mL		

CAS Number	Compound	Concentration mg/Kg	RL mg/Kg	Qualifier
7440-22-4	Silver	ND	1.1	
7429-90-5	Aluminum	**12000**	12	
7440-38-2	Arsenic	**14**	2.2	
7440-39-3	Barium	**92**	2.2	
7440-41-7	Beryllium	ND	0.87	
7440-70-2	Calcium	**3400**	11	
7440-43-9	Cadmium	ND	1.1	
7440-48-4	Cobalt	**4.1**	2.2	
7440-47-3	Chromium	**41**	2.2	
7440-50-8	Copper	**59**	2.2	
7439-89-6	Iron	**15000**	4.4	
7439-95-4	Magnesium	**2300**	11	
7439-96-5	Manganese	**360**	2.2	
7440-02-0	Nickel	**14**	2.2	
7439-92-1	Lead	**250**	2.2	
7440-36-0	Antimony	ND	4.4	
7782-49-2	Selenium	ND	4.4	
7440-28-0	Thallium	ND	4.4	
7440-62-2	Vanadium	**55**	2.2	
7440-66-6	Zinc	**230**	2.2	

Comments: Reporting limit for antimony raised due to interference.

Riverside Square PCB - Boston, MA

Metals in Soil by ICP-OES

Client Sample ID:	B250A	Lab Sample ID:	AC08494
Date of Collection:	7/25/2023	Matrix:	Soil
Date of Preparation:	9/13/2023	Amount Prepared:	N/A
Date of Analysis:	9/21/2023	Percent Solids:	N/A
Dry Weight Prepared:	N/A	Extract Dilution:	1
Wet Weight Prepared:	N/A	pH:	N/A
Volume Extracted:	N/A	GPC Factor:	N/A
Final Volume:	50 mL		

CAS Number	Compound	Concentration mg/Kg	RL mg/Kg	Qualifier
7440-22-4	Silver	ND	1.0	
7429-90-5	Aluminum	**12000**	11	
7440-38-2	Arsenic	**7.2**	2.0	
7440-39-3	Barium	**120**	2.0	
7440-41-7	Beryllium	ND	0.82	
7440-70-2	Calcium	**7900**	10	
7440-43-9	Cadmium	ND	1.0	
7440-48-4	Cobalt	**8.6**	2.0	
7440-47-3	Chromium	**25**	2.0	
7440-50-8	Copper	**100**	2.0	
7439-89-6	Iron	**18000**	4.1	
7439-95-4	Magnesium	**4200**	10	
7439-96-5	Manganese	**360**	2.0	
7440-02-0	Nickel	**21**	2.0	
7439-92-1	Lead	**310**	2.0	
7440-36-0	Antimony	ND	4.1	
7782-49-2	Selenium	ND	4.1	
7440-28-0	Thallium	ND	4.1	
7440-62-2	Vanadium	**35**	2.0	
7440-66-6	Zinc	**180**	2.0	

Comments: Reporting limit for antimony raised due to interference.

Riverside Square PCB - Boston, MA

Metals in Soil by ICP-OES

Client Sample ID:	B250B	Lab Sample ID:	AC08495
Date of Collection:	7/25/2023	Matrix:	Soil
Date of Preparation:	9/13/2023	Amount Prepared:	N/A
Date of Analysis:	9/21/2023	Percent Solids:	N/A
Dry Weight Prepared:	N/A	Extract Dilution:	1
Wet Weight Prepared:	N/A	pH:	N/A
Volume Extracted:	N/A	GPC Factor:	N/A
Final Volume:	50 mL		

CAS Number	Compound	Concentration mg/Kg	RL mg/Kg	Qualifier
7440-22-4	Silver	ND	1.0	
7429-90-5	Aluminum	**12000**	11	
7440-38-2	Arsenic	**7.2**	2.0	
7440-39-3	Barium	**150**	2.0	
7440-41-7	Beryllium	ND	0.82	
7440-70-2	Calcium	**8900**	10	
7440-43-9	Cadmium	ND	1.0	
7440-48-4	Cobalt	**7.4**	2.0	
7440-47-3	Chromium	**22**	2.0	
7440-50-8	Copper	**68**	2.0	
7439-89-6	Iron	**18000**	4.1	
7439-95-4	Magnesium	**4200**	10	
7439-96-5	Manganese	**320**	2.0	
7440-02-0	Nickel	**19**	2.0	
7439-92-1	Lead	**410**	2.0	
7440-36-0	Antimony	ND	4.1	
7782-49-2	Selenium	ND	4.1	
7440-28-0	Thallium	ND	4.1	
7440-62-2	Vanadium	**36**	2.0	
7440-66-6	Zinc	**210**	2.0	

Comments: Reporting limit for antimony raised due to interference.

Riverside Square PCB - Boston, MA

Metals in Soil by ICP-OES

Client Sample ID:	B275A	Lab Sample ID:	AC08496
Date of Collection:	7/25/2023	Matrix:	Soil
Date of Preparation:	9/13/2023	Amount Prepared:	N/A
Date of Analysis:	9/21/2023	Percent Solids:	N/A
Dry Weight Prepared:	N/A	Extract Dilution:	1
Wet Weight Prepared:	N/A	pH:	N/A
Volume Extracted:	N/A	GPC Factor:	N/A
Final Volume:	50 mL		

CAS Number	Compound	Concentration mg/Kg	RL mg/Kg	Qualifier
7440-22-4	Silver	ND	1.0	
7429-90-5	Aluminum	**12000**	11	
7440-38-2	Arsenic	**7.4**	2.0	
7440-39-3	Barium	**120**	2.0	
7440-41-7	Beryllium	ND	0.82	
7440-70-2	Calcium	**7700**	10	
7440-43-9	Cadmium	ND	1.0	
7440-48-4	Cobalt	**7.6**	2.0	
7440-47-3	Chromium	**20**	2.0	
7440-50-8	Copper	**77**	2.0	
7439-89-6	Iron	**20000**	4.1	
7439-95-4	Magnesium	**4200**	10	
7439-96-5	Manganese	**350**	2.0	
7440-02-0	Nickel	**19**	2.0	
7439-92-1	Lead	**330**	2.0	
7440-36-0	Antimony	ND	4.1	
7782-49-2	Selenium	ND	4.1	
7440-28-0	Thallium	ND	4.1	
7440-62-2	Vanadium	**32**	2.0	
7440-66-6	Zinc	**180**	2.0	

Comments: Reporting limit for antimony raised due to interference.

Riverside Square PCB - Boston, MA

Metals in Soil by ICP-OES

Client Sample ID:	B275B	Lab Sample ID:	AC08497
Date of Collection:	7/25/2023	Matrix:	Soil
Date of Preparation:	9/13/2023	Amount Prepared:	N/A
Date of Analysis:	9/21/2023	Percent Solids:	N/A
Dry Weight Prepared:	N/A	Extract Dilution:	1
Wet Weight Prepared:	N/A	pH:	N/A
Volume Extracted:	N/A	GPC Factor:	N/A
Final Volume:	50 mL		

CAS Number	Compound	Concentration mg/Kg	RL mg/Kg	Qualifier
7440-22-4	Silver	ND	1.0	
7429-90-5	Aluminum	**12000**	11	
7440-38-2	Arsenic	**7.1**	2.1	
7440-39-3	Barium	**110**	2.1	
7440-41-7	Beryllium	ND	0.83	
7440-70-2	Calcium	**6700**	10	
7440-43-9	Cadmium	ND	1.0	
7440-48-4	Cobalt	**9.2**	2.1	
7440-47-3	Chromium	**22**	2.1	
7440-50-8	Copper	**71**	2.1	
7439-89-6	Iron	**19000**	4.2	
7439-95-4	Magnesium	**4700**	10	
7439-96-5	Manganese	**370**	2.1	
7440-02-0	Nickel	**21**	2.1	
7439-92-1	Lead	**300**	2.1	
7440-36-0	Antimony	ND	4.2	
7782-49-2	Selenium	ND	4.2	
7440-28-0	Thallium	ND	4.2	
7440-62-2	Vanadium	**36**	2.1	
7440-66-6	Zinc	**160**	2.1	

Comments: Reporting limit for antimony raised due to interference.

Riverside Square PCB - Boston, MA

Metals in Soil by ICP-OES

Client Sample ID:	BB025A	Lab Sample ID:	AC08498
Date of Collection:	7/24/2023	Matrix:	Soil
Date of Preparation:	9/13/2023	Amount Prepared:	N/A
Date of Analysis:	9/21/2023	Percent Solids:	N/A
Dry Weight Prepared:	N/A	Extract Dilution:	1
Wet Weight Prepared:	N/A	pH:	N/A
Volume Extracted:	N/A	GPC Factor:	N/A
Final Volume:	50 mL		

CAS Number	Compound	Concentration mg/Kg	RL mg/Kg	Qualifier
7440-22-4	Silver	ND	1.2	
7429-90-5	Aluminum	**4500**	13	
7440-38-2	Arsenic	**14**	2.3	
7440-39-3	Barium	**97**	2.3	
7440-41-7	Beryllium	ND	0.93	
7440-70-2	Calcium	**1000**	12	
7440-43-9	Cadmium	ND	1.2	
7440-48-4	Cobalt	**6.0**	2.3	
7440-47-3	Chromium	**9.3**	2.3	
7440-50-8	Copper	**67**	2.3	
7439-89-6	Iron	**20000**	4.6	
7439-95-4	Magnesium	**470**	12	
7439-96-5	Manganese	**140**	2.3	
7440-02-0	Nickel	**13**	2.3	
7439-92-1	Lead	**1300**	2.3	
7440-36-0	Antimony	ND	4.6	
7782-49-2	Selenium	ND	4.6	
7440-28-0	Thallium	ND	4.6	
7440-62-2	Vanadium	**57**	2.3	
7440-66-6	Zinc	**62**	2.3	

Comments: Reporting limit for antimony raised due to interference.

Riverside Square PCB - Boston, MA

Metals in Soil by ICP-OES

Client Sample ID:	CC150A	Lab Sample ID:	AC08499
Date of Collection:	7/24/2023	Matrix:	Soil
Date of Preparation:	9/13/2023	Amount Prepared:	N/A
Date of Analysis:	9/21/2023	Percent Solids:	N/A
Dry Weight Prepared:	N/A	Extract Dilution:	1
Wet Weight Prepared:	N/A	pH:	N/A
Volume Extracted:	N/A	GPC Factor:	N/A
Final Volume:	50 mL		

CAS Number	Compound	Concentration mg/Kg	RL mg/Kg	Qualifier
7440-22-4	Silver	ND	1.3	
7429-90-5	Aluminum	**6400**	14	
7440-38-2	Arsenic	**32**	2.6	
7440-39-3	Barium	**72**	2.6	
7440-41-7	Beryllium	ND	1.0	
7440-70-2	Calcium	**2200**	13	
7440-43-9	Cadmium	ND	1.3	
7440-48-4	Cobalt	**2.6**	2.6	
7440-47-3	Chromium	**19**	2.6	
7440-50-8	Copper	**59**	2.6	
7439-89-6	Iron	**14000**	5.1	
7439-95-4	Magnesium	**810**	13	
7439-96-5	Manganese	**85**	2.6	
7440-02-0	Nickel	**21**	2.6	
7439-92-1	Lead	**510**	2.6	
7440-36-0	Antimony	ND	5.1	
7782-49-2	Selenium	ND	5.1	
7440-28-0	Thallium	ND	5.1	
7440-62-2	Vanadium	**130**	2.6	
7440-66-6	Zinc	**160**	2.6	

Comments: Reporting limit for antimony raised due to interference.

Riverside Square PCB - Boston, MA

Metals in Soil by ICP-OES

Client Sample ID:	D475A	Lab Sample ID:	AC08500
Date of Collection:	7/26/2023	Matrix:	Soil
Date of Preparation:	9/13/2023	Amount Prepared:	N/A
Date of Analysis:	9/21/2023	Percent Solids:	N/A
Dry Weight Prepared:	N/A	Extract Dilution:	1
Wet Weight Prepared:	N/A	pH:	N/A
Volume Extracted:	N/A	GPC Factor:	N/A
Final Volume:	50 mL		

CAS Number	Compound	Concentration mg/Kg	RL mg/Kg	Qualifier
7440-22-4	Silver	ND	1.0	
7429-90-5	Aluminum	**6700**	11	
7440-38-2	Arsenic	**6.4**	2.1	
7440-39-3	Barium	**40**	2.1	
7440-41-7	Beryllium	ND	0.83	
7440-70-2	Calcium	**1500**	10	
7440-43-9	Cadmium	ND	1.0	
7440-48-4	Cobalt	**3.2**	2.1	
7440-47-3	Chromium	**60**	2.1	
7440-50-8	Copper	**46**	2.1	
7439-89-6	Iron	**8000**	4.2	
7439-95-4	Magnesium	**1700**	10	
7439-96-5	Manganese	**130**	2.1	
7440-02-0	Nickel	**7.4**	2.1	
7439-92-1	Lead	**120**	2.1	
7440-36-0	Antimony	ND	4.2	
7782-49-2	Selenium	ND	4.2	
7440-28-0	Thallium	ND	4.2	
7440-62-2	Vanadium	**24**	2.1	
7440-66-6	Zinc	**50**	2.1	

Comments: Reporting limit for antimony raised due to interference.

Riverside Square PCB - Boston, MA

Metals in Soil by ICP-OES

Client Sample ID:	D525A	Lab Sample ID:	AC08501
Date of Collection:	7/20/2023	Matrix:	Soil
Date of Preparation:	9/13/2023	Amount Prepared:	N/A
Date of Analysis:	9/21/2023	Percent Solids:	N/A
Dry Weight Prepared:	N/A	Extract Dilution:	1
Wet Weight Prepared:	N/A	pH:	N/A
Volume Extracted:	N/A	GPC Factor:	N/A
Final Volume:	50 mL		

CAS Number	Compound	Concentration mg/Kg	RL mg/Kg	Qualifier
7440-22-4	Silver	ND	1.0	
7429-90-5	Aluminum	**5700**	11	
7440-38-2	Arsenic	**9.5**	2.0	
7440-39-3	Barium	**56**	2.0	
7440-41-7	Beryllium	ND	0.82	
7440-70-2	Calcium	**1300**	10	
7440-43-9	Cadmium	ND	1.0	
7440-48-4	Cobalt	**2.8**	2.0	
7440-47-3	Chromium	**16**	2.0	
7440-50-8	Copper	**38**	2.0	
7439-89-6	Iron	**10000**	4.1	
7439-95-4	Magnesium	**1600**	10	
7439-96-5	Manganese	**110**	2.0	
7440-02-0	Nickel	**12**	2.0	
7439-92-1	Lead	**410**	2.0	
7440-36-0	Antimony	ND	4.1	
7782-49-2	Selenium	ND	4.1	
7440-28-0	Thallium	ND	4.1	
7440-62-2	Vanadium	**50**	2.0	
7440-66-6	Zinc	**51**	2.0	

Comments: Reporting limit for antimony raised due to interference.

Riverside Square PCB - Boston, MA

Metals in Soil by ICP-OES

Client Sample ID:	D550A	Lab Sample ID:	AC08502
Date of Collection:	7/20/2023	Matrix:	Soil
Date of Preparation:	9/13/2023	Amount Prepared:	N/A
Date of Analysis:	9/21/2023	Percent Solids:	N/A
Dry Weight Prepared:	N/A	Extract Dilution:	1
Wet Weight Prepared:	N/A	pH:	N/A
Volume Extracted:	N/A	GPC Factor:	N/A
Final Volume:	50 mL		

CAS Number	Compound	Concentration mg/Kg	RL mg/Kg	Qualifier
7440-22-4	Silver	ND	1.0	
7429-90-5	Aluminum	**12000**	11	
7440-38-2	Arsenic	**11**	2.0	
7440-39-3	Barium	**84**	2.0	
7440-41-7	Beryllium	ND	0.82	
7440-70-2	Calcium	**2000**	10	
7440-43-9	Cadmium	ND	1.0	
7440-48-4	Cobalt	**6.4**	2.0	
7440-47-3	Chromium	**120**	2.0	
7440-50-8	Copper	**79**	2.0	
7439-89-6	Iron	**15000**	4.1	
7439-95-4	Magnesium	**2700**	10	
7439-96-5	Manganese	**270**	2.0	
7440-02-0	Nickel	**20**	2.0	
7439-92-1	Lead	**360**	2.0	
7440-36-0	Antimony	ND	4.1	
7782-49-2	Selenium	ND	4.1	
7440-28-0	Thallium	ND	4.1	
7440-62-2	Vanadium	**59**	2.0	
7440-66-6	Zinc	**92**	2.0	

Comments: Reporting limit for antimony raised due to interference.

Riverside Square PCB - Boston, MA

Metals in Soil by ICP-OES

Client Sample ID:	DD025A	Lab Sample ID:	AC08503
Date of Collection:	7/24/2023	Matrix:	Soil
Date of Preparation:	9/13/2023	Amount Prepared:	N/A
Date of Analysis:	9/21/2023	Percent Solids:	N/A
Dry Weight Prepared:	N/A	Extract Dilution:	1
Wet Weight Prepared:	N/A	pH:	N/A
Volume Extracted:	N/A	GPC Factor:	N/A
Final Volume:	50 mL		

CAS Number	Compound	Concentration mg/Kg	RL mg/Kg	Qualifier
7440-22-4	Silver	ND	1.1	
7429-90-5	Aluminum	**14000**	12	
7440-38-2	Arsenic	**19**	2.2	
7440-39-3	Barium	**99**	2.2	
7440-41-7	Beryllium	ND	0.87	
7440-70-2	Calcium	**2300**	11	
7440-43-9	Cadmium	ND	1.1	
7440-48-4	Cobalt	**6.5**	2.2	
7440-47-3	Chromium	**250**	2.2	
7440-50-8	Copper	**240**	2.2	
7439-89-6	Iron	**18000**	4.4	
7439-95-4	Magnesium	**2700**	11	
7439-96-5	Manganese	**440**	2.2	
7440-02-0	Nickel	**20**	2.2	
7439-92-1	Lead	**860**	2.2	
7440-36-0	Antimony	ND	13	
7782-49-2	Selenium	ND	4.4	
7440-28-0	Thallium	ND	4.4	
7440-62-2	Vanadium	**69**	2.2	
7440-66-6	Zinc	**160**	2.2	

Comments: Result for antimony reported from the 3x anlaysis of 9/24/23; the reporting limit for antimony was additionally raised due to interference.

Riverside Square PCB - Boston, MA

Metals in Soil by ICP-OES

Client Sample ID:	DD175A	Lab Sample ID:	AC08504
Date of Collection:	7/24/2023	Matrix:	Soil
Date of Preparation:	9/13/2023	Amount Prepared:	N/A
Date of Analysis:	9/21/2023	Percent Solids:	N/A
Dry Weight Prepared:	N/A	Extract Dilution:	1
Wet Weight Prepared:	N/A	pH:	N/A
Volume Extracted:	N/A	GPC Factor:	N/A
Final Volume:	50 mL		

CAS Number	Compound	Concentration mg/Kg	RL mg/Kg	Qualifier
7440-22-4	Silver	ND	1.0	
7429-90-5	Aluminum	**14000**	11	
7440-38-2	Arsenic	**14**	2.0	
7440-39-3	Barium	**31**	2.0	
7440-41-7	Beryllium	ND	0.80	
7440-70-2	Calcium	**1000**	10	
7440-43-9	Cadmium	ND	1.0	
7440-48-4	Cobalt	**2.8**	2.0	
7440-47-3	Chromium	**13**	2.0	
7440-50-8	Copper	**19**	2.0	
7439-89-6	Iron	**15000**	4.0	
7439-95-4	Magnesium	**1800**	10	
7439-96-5	Manganese	**120**	2.0	
7440-02-0	Nickel	**8.7**	2.0	
7439-92-1	Lead	**170**	2.0	
7440-36-0	Antimony	ND	4.0	
7782-49-2	Selenium	ND	4.0	
7440-28-0	Thallium	ND	4.0	
7440-62-2	Vanadium	**49**	2.0	
7440-66-6	Zinc	**37**	2.0	

Comments: Reporting limit for antimony raised due to interference.

Riverside Square PCB - Boston, MA

Metals in Soil by ICP-OES

Client Sample ID:	F250A	Lab Sample ID:	AC08505
Date of Collection:	7/21/2023	Matrix:	Soil
Date of Preparation:	9/13/2023	Amount Prepared:	N/A
Date of Analysis:	9/21/2023	Percent Solids:	N/A
Dry Weight Prepared:	N/A	Extract Dilution:	1
Wet Weight Prepared:	N/A	pH:	N/A
Volume Extracted:	N/A	GPC Factor:	N/A
Final Volume:	50 mL		

CAS Number	Compound	Concentration mg/Kg	RL mg/Kg	Qualifier
7440-22-4	Silver	ND	1.0	
7429-90-5	Aluminum	**7200**	11	
7440-38-2	Arsenic	**6.2**	2.0	
7440-39-3	Barium	**62**	2.0	
7440-41-7	Beryllium	ND	0.80	
7440-70-2	Calcium	**2200**	10	
7440-43-9	Cadmium	ND	1.0	
7440-48-4	Cobalt	**4.5**	2.0	
7440-47-3	Chromium	**53**	2.0	
7440-50-8	Copper	**57**	2.0	
7439-89-6	Iron	**11000**	4.0	
7439-95-4	Magnesium	**2100**	10	
7439-96-5	Manganese	**150**	2.0	
7440-02-0	Nickel	**9.9**	2.0	
7439-92-1	Lead	**220**	2.0	
7440-36-0	Antimony	ND	4.0	
7782-49-2	Selenium	ND	4.0	
7440-28-0	Thallium	ND	4.0	
7440-62-2	Vanadium	**23**	2.0	
7440-66-6	Zinc	**140**	2.0	

Comments: Reporting limit for antimony raised due to interference.

Riverside Square PCB - Boston, MA

Metals in Soil by ICP-OES

Client Sample ID:	G675A	Lab Sample ID:	AC08506
Date of Collection:	7/20/2023	Matrix:	Soil
Date of Preparation:	9/13/2023	Amount Prepared:	N/A
Date of Analysis:	9/21/2023	Percent Solids:	N/A
Dry Weight Prepared:	N/A	Extract Dilution:	1
Wet Weight Prepared:	N/A	pH:	N/A
Volume Extracted:	N/A	GPC Factor:	N/A
Final Volume:	50 mL		

CAS Number	Compound	Concentration mg/Kg	RL mg/Kg	Qualifier
7440-22-4	Silver	ND	1.0	
7429-90-5	Aluminum	**9600**	11	
7440-38-2	Arsenic	**9.9**	2.1	
7440-39-3	Barium	**51**	2.1	
7440-41-7	Beryllium	ND	0.83	
7440-70-2	Calcium	**1200**	10	
7440-43-9	Cadmium	ND	1.0	
7440-48-4	Cobalt	**3.0**	2.1	
7440-47-3	Chromium	**27**	2.1	
7440-50-8	Copper	**100**	2.1	
7439-89-6	Iron	**13000**	4.2	
7439-95-4	Magnesium	**1600**	10	
7439-96-5	Manganese	**170**	2.1	
7440-02-0	Nickel	**15**	2.1	
7439-92-1	Lead	**210**	2.1	
7440-36-0	Antimony	ND	4.2	
7782-49-2	Selenium	ND	4.2	
7440-28-0	Thallium	ND	4.2	
7440-62-2	Vanadium	**58**	2.1	
7440-66-6	Zinc	**200**	2.1	

Comments: Reporting limit for antimony raised due to interference.

Riverside Square PCB - Boston, MA

Metals in Soil by ICP-OES

Client Sample ID:	S50134MA-0424	Lab Sample ID:	AC08512
Date of Collection:	7/26/2023	Matrix:	Soil
Date of Preparation:	9/13/2023	Amount Prepared:	N/A
Date of Analysis:	9/21/2023	Percent Solids:	N/A
Dry Weight Prepared:	N/A	Extract Dilution:	1
Wet Weight Prepared:	N/A	pH:	N/A
Volume Extracted:	N/A	GPC Factor:	N/A
Final Volume:	50 mL		

CAS Number	Compound	Concentration mg/Kg	RL mg/Kg	Qualifier
7440-22-4	Silver	**36**	1.0	
7429-90-5	Aluminum	**2100**	11	
7440-38-2	Arsenic	**28**	2.0	
7440-39-3	Barium	**150**	2.0	
7440-41-7	Beryllium	**9.3**	0.80	
7440-70-2	Calcium	**910**	10	
7440-43-9	Cadmium	ND	1.0	
7440-48-4	Cobalt	**30**	2.0	
7440-47-3	Chromium	**22**	2.0	
7440-50-8	Copper	**42**	2.0	
7439-89-6	Iron	**2300**	4.0	
7439-95-4	Magnesium	**370**	10	
7439-96-5	Manganese	**36**	2.0	
7440-02-0	Nickel	**33**	2.0	
7439-92-1	Lead	**32**	2.0	
7440-36-0	Antimony	**52**	4.0	
7782-49-2	Selenium	**8.3**	4.0	
7440-28-0	Thallium	ND	4.0	
7440-62-2	Vanadium	**56**	2.0	
7440-66-6	Zinc	**4.6**	2.0	

Comments: Reporting limit for antimony raised due to interference.

Riverside Square PCB - Boston, MA

Laboratory Reagent Blank

Client Sample ID:	N/A	Lab Sample ID:	N/A
Date of Collection:	N/A	Matrix:	Soil
Date of Preparation:	9/13/2023	Amount Prepared:	N/A
Date of Analysis:	9/20/2023	Percent Solids:	N/A
Dry Weight Prepared:	N/A	Extract Dilution:	1
Wet Weight Prepared:	N/A	pH:	N/A
Volume Extracted:	N/A	GPC Factor:	N/A
Final Volume:	50 mL		

CAS Number	Compound	Concentration ug/L	RL ug/L	Qualifier
7440-22-4	Silver	ND	10	
7429-90-5	Aluminum	ND	110	
7440-38-2	Arsenic	ND	20	
7440-39-3	Barium	ND	20	
7440-41-7	Beryllium	ND	8.0	
7440-70-2	Calcium	ND	100	
7440-43-9	Cadmium	ND	10	
7440-48-4	Cobalt	ND	20	
7440-47-3	Chromium	ND	20	
7440-50-8	Copper	ND	20	
7439-89-6	Iron	ND	40	
7439-95-4	Magnesium	ND	100	
7439-96-5	Manganese	ND	20	
7440-02-0	Nickel	ND	20	
7439-92-1	Lead	ND	20	
7440-36-0	Antimony	ND	40	
7782-49-2	Selenium	ND	40	
7440-28-0	Thallium	ND	40	
7440-62-2	Vanadium	ND	20	
7440-66-6	Zinc	ND	20	

Comments: Matrix is Deionized (DI) Water.

Riverside Square PCB - Boston, MA

MATRIX SPIKE (MS) RECOVERY

Sample ID: AC08492

PARAMETER	SPIKE ADDED mg/Kg	SAMPLE CONCENTRATION mg/Kg	MS CONCENTRATION mg/Kg	MS % REC	QC LIMITS (% REC)
Antimony	111	ND	47.0	42	75 - 125
Arsenic	111	14.0	111	87	75 - 125
Barium	111	70.0	183	102	75 - 125
Beryllium	44.0	ND	44.0	99	75 - 125
Cadmium	56.0	ND	53.0	96	75 - 125
Chromium	111	21.0	132	100	75 - 125
Cobalt	111	5.7	116	99	75 - 125
Copper	111	37.0	156	107	75 - 125
Lead	111	260	379	107	75 - 125
Manganese	111	370	498	115	75 - 125
Nickel	111	15.0	125	99	75 - 125
Selenium	111	ND	104	94	75 - 125
Silver	22.0	ND	21.0	96	75 - 125
Thallium	111	ND	109	98	75 - 125
Vanadium	111	55.0	164	98	75 - 125
Zinc	111	170	283	102	75 - 125

Riverside Square PCB - Boston, MA

Laboratory Duplicate Results

Sample ID: AC08493

PARAMETER	SAMPLE RESULT mg/Kg	SAMPLE DUPLICATE RESULT mg/Kg	PRECISION RPD %	QC LIMITS
Aluminum	12000	12000	0	30
Antimony	ND	ND	NC	30
Arsenic	14.0	12.0	15	30
Barium	92.0	93.0	1.1	30
Beryllium	ND	ND	NC	30
Cadmium	ND	ND	NC	30
Calcium	3400	3200	6.1	30
Chromium	41.0	36.0	13	30
Cobalt	4.1	4.0	2.5	30
Copper	59.0	57.0	3.4	30
Iron	15000	15000	0	30
Lead	250	250	0	30
Magnesium	2300	2100	9.1	30
Manganese	360	360	0.0	30
Nickel	14.0	13.0	7.4	30
Selenium	ND	ND	NC	30
Silver	ND	ND	NC	30
Thallium	ND	ND	NC	30
Vanadium	55.0	54.0	1.8	30
Zinc	230	240	4.3	30

Riverside Square PCB - Boston, MA

Laboratory Fortified Blank (LFB) Results

PARAMETER	LFB AMOUNT SPIKED ug/L	LFB RESULT ug/L	LFB RECOVERY %	QC LIMITS %
Aluminum	1000	962	96	85 - 115
Antimony	1000	938	94	85 - 115
Arsenic	1000	878	88	85 - 115
Barium	1000	992	99	85 - 115
Beryllium	400	391	98	85 - 115
Cadmium	500	481	96	85 - 115
Calcium	10000	9530	95	85 - 115
Chromium	1000	996	100	85 - 115
Cobalt	1000	991	99	85 - 115
Copper	1000	1020	102	85 - 115
Iron	1000	975	98	85 - 115
Lead	1000	1010	101	85 - 115
Magnesium	10000	9550	96	85 - 115
Manganese	1000	961	96	85 - 115
Nickel	1000	992	99	85 - 115
Selenium	1000	903	90	85 - 115
Silver	200	196	98	85 - 115
Thallium	1000	997	100	85 - 115
Vanadium	1000	996	100	85 - 115
Zinc	1000	990	99	85 - 115

Comments:

Riverside Square PCB - Boston, MA

Solid Laboratory Control Sample (LCS) Results

PARAMETER	LCS RESULTS mg/Kg	CONTROL LIMITS mg/Kg
Aluminum	8250	3750 - 11500
Antimony	97.0	25.0 - 298
Arsenic	179	130 - 242
Barium	267	193 - 322
Beryllium	113	85.1 - 142
Cadmium	87.3	66.7 - 111
Calcium	4780	3410 - 5990
Chromium	210	142 - 264
Cobalt	168	123 - 205
Copper	179	124 - 207
Iron	15400	4700 - 22800
Lead	233	161 - 276
Magnesium	2290	1390 - 3120
Manganese	284	216 - 365
Nickel	195	131 - 242
Selenium	150	102 - 201
Silver	49.2	33.2 - 61.9
Thallium	256	181 - 316
Vanadium	145	97.9 - 177
Zinc	254	170 - 316

Comments:

Samples in Batch: AC08492, AC08493, AC08494, AC08495, AC08496, AC08497, AC08498, AC08499, AC08500, AC08501, AC08502, AC08503, AC08504, AC08505, AC08506, AC08512

TABLE 4
SUMMARY OF SOIL FIELD SCREENING RESULTS
RIVERSIDE SQUARE PCB SITE
BOSTON (HYDE PARK), MASSACHUSETTS

PN: 23080055

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20 July 2023 XRF samples selected for confirmatory metals analysis.

Sample Location	Arsenic ppm	Chromium (Total) ppm	Lead ppm
MassDEP S-1/GW-2 Standard	20	100	200
EPA RML - Residential	68	350,000	400
A000A 7/25	21.34	40.44	240.62
AA025A	11.11	25.12	213.43
AA050A	8.10	26.05	92.00
AA075A	11.65	27.94	123.68
B000A 7/24	15.90	12.89	269.41
B250A 7/25	22.29	49.27	164.65
B250B 7/25	33.39	51.28	229.36
B275A 7/25	19.18	58.34	291.06
B275A	8.28	52.86	189.62
B275B 7/25	17.54	54.36	377.75
BB025A 7/24	202.47	14.60	2372.00
BB050A	18.99	10.17	114.17
BB075A	16.63	22.80	132.92
BB125A	15.89	13.44	213.94
C000A	10.98	ND	180.03
C225A	11.74	72.56	142.31
C250A	4.95	41.30	108.17
C275A	4.20	51.28	165.70
C275B	5.67	54.10	184.50
C300A	13.12	36.12	200.68
CC025A	5.83	22.21	108.91
CC050A	8.42	19.65	112.11
CC075A	4.97	25.54	66.45
CC075B	3.20	31.93	23.43
CC150A 7/24	31.54	7.12	335.57
D000A	17.41	97.42	234.12
D175A	ND	ND	23.23
D200A	9.83	47.25	155.80
D225A	11.31	64.45	141.98
D250A	10.30	49.97	92.75
D275A	4.00	45.31	203.37
D300A	6.47	45.76	162.63
D325A	5.25	32.63	104.04
D325B	11.43	82.87	97.54
D350A	8.71	46.36	125.42
D375A	7.13	44.90	72.77
D375B	2.69	36.81	91.00

TABLE 4
SUMMARY OF SOIL FIELD SCREENING RESULTS
RIVERSIDE SQUARE PCB SITE
BOSTON (HYDE PARK), MASSACHUSETTS

Sample Location	Arsenic ppm	Chromium (Total) ppm	Lead ppm
D400A	8.36	41.10	140.32
D400B	22.32	52.77	148.97
D425A	18.40	58.44	145.64
D450A	4.63	43.69	55.64
D450B	14.01	73.04	131.23
D475A 7/26	9.49	45.37	115.20
D525A 7/20	33.75	138.33	720.05
D550A 7/20	40.07	125.58	353.83
DD025A 7/24	29.25	14.42	329.55
DD150A	20.85	15.20	135.74
DD175A 7/24	76.58	21.92	525.69
DD200A	16.11	31.77	61.41
D000A	7.45	30.23	118.36
D100A	5.76	34.39	81.18
D125A	4.77	63.41	83.09
D150A	4.25	45.93	67.07
D175A	8.17	54.85	125.41
D200A	3.12	45.91	89.10
D225A	4.76	48.15	110.51
D250A	7.97	59.64	126.62
D275A	9.35	59.80	132.62
D300A	9.37	50.79	140.54
D325A	8.15	57.12	144.03
D350A	7.55	47.47	119.78
D375A	12.66	48.93	163.98
D400A	12.27	67.92	157.86
D425B	14.89	87.69	115.10
D450A	18.40	95.52	175.15
D450A	5.00	54.39	131.26
WRITTEN TWICE D475A —	17.52	81.75	120.89
NEVER REC'D D475B —	19.10	109.17	85.15
D500A	22.82	97.36	172.68
D500B	8.71	64.02	121.81
D525A	11.90	70.30	114.18
D550A —	11.12	102.19	60.16
DD025A	9.44	59.89	139.51
JULY LIST DD050A —	26.39	45.50	160.12
DD075A	8.12	21.21	130.49
DD150A	18.56	29.57	174.18
DD175A	6.16	30.30	106.74

TABLE 4
SUMMARY OF SOIL FIELD SCREENING RESULTS
RIVERSIDE SQUARE PCB SITE
BOSTON (HYDE PARK), MASSACHUSETTS

Sample Location	Arsenic ppm	Chromium (Total) ppm	Lead ppm
DD175B	5.07	37.82	27.73
DD200A	5.65	28.13	96.73
DD225A	11.33	47.88	249.74
NEVER REP'D → DD250A	85.23	66.72	1638.88
DD275A	16.75	48.21	162.30
F000A	7.75	55.33	107.75
F050A	3.08	30.35	82.01
F050A Dup	2.59	40.26	83.43
F050A Rep	3.43	30.75	80.86
F075A	6.70	32.84	78.56
F100A	4.31	49.46	82.04
F125A	11.53	72.69	131.44
F150A	6.02	70.75	123.69
F175A	7.28	56.08	69.48
F200A	5.23	40.88	122.94
F225A	3.36	47.89	96.54
✓ F250A 7/21	4.07	56.08	242.81
F275A	8.69	58.87	137.98
F325A	11.69	49.99	136.36
F350A	16.13	51.42	139.92
F375A	7.93	58.43	137.94
F400A	6.77	49.08	66.42
F400A	5.49	52.37	89.42
F400B Dup	8.05	49.58	74.45
F400B Rep	4.21	34.70	60.47
F425A	3.24	44.15	95.84
F450A	8.85	72.51	100.19
F450B	5.69	43.41	54.94
F475B	7.65	54.77	80.40
F500A	10.79	70.17	83.84
F525A	6.43	50.45	87.57
F550A	13.30	76.57	107.69
FF025A	5.19	47.24	60.15
FF050A	7.05	39.80	72.55
FF075A	3.65	48.38	89.05
FF150A	5.82	57.61	76.54
FF175A	5.92	46.02	74.16
FF200A	9.34	54.91	115.26
FF225A	10.81	57.28	136.03
FF250A	8.81	88.59	105.66

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TABLE 4
SUMMARY OF SOIL FIELD SCREENING RESULTS
RIVERSIDE SQUARE PCB SITE
BOSTON (HYDE PARK), MASSACHUSETTS

Sample Location	Arsenic ppm	Chromium (Total) ppm	Lead ppm
FF250A	5.96	55.54	94.95
G000A	8.48	54.22	76.92
G025A	5.91	95.45	49.45
G050A	7.30	79.29	119.79
G075A	11.05	57.32	77.48
G100A	6.21	49.52	52.15
G150A	7.63	43.59	89.86
G175A	5.66	52.38	117.40
G175A	5.37	58.97	113.57
G200A	9.15	71.25	135.84
G200A Dup	10.48	68.91	141.30
G200A Rep	9.58	74.47	138.09
G225A	8.78	52.88	110.12
G250A	10.70	58.83	112.12
G25B	6.90	56.04	70.51
G275A	8.93	55.34	129.43
G300A	16.51	75.72	141.10
G325A	4.57	46.58	103.55
G350A	15.43	55.15	152.62
G375A	10.02	64.81	140.90
G400A	8.99	53.19	98.47
G425A	10.60	51.52	74.42
G450A	2.38	23.09	77.68
G475A	ND	56.98	98.58
G475B	9.48	78.69	44.83
G500A	6.05	41.58	73.68
G525A	5.17	42.78	71.91
G525B	3.17	38.81	37.31
G550A	13.68	61.45	122.31
G675A 7/20	23.48	41.57	187.31
GG025A	4.72	42.64	38.53
H200A	8.41	40.76	69.29
H225A	10.33	76.82	110.39
H250A	9.28	60.53	93.37
H275A	8.56	56.10	127.98
H300A	14.32	80.35	116.73
H325A	15.64	83.70	139.35
H350A	10.46	52.94	119.35
H375A	11.89	54.09	135.47
H400A	7.95	54.94	92.35

TABLE 4
SUMMARY OF SOIL FIELD SCREENING RESULTS
RIVERSIDE SQUARE PCB SITE
BOSTON (HYDE PARK), MASSACHUSETTS

Sample Location	Arsenic ppm	Chromium (Total) ppm	Lead ppm
H425A	7.86	57.33	85.96
H450A	6.94	59.93	86.72
H475A	8.79	51.47	56.42
H500A	6.26	49.50	54.99
H525A	5.48	41.62	91.53
H550A	10.37	65.77	92.89
H600A	4.37	31.53	86.68
H625A	13.39	90.18	159.39
H625B	9.86	95.89	117.33
H650A	5.09	33.72	39.72
H650B	7.81	52.58	91.59

NOTES:

ppm = parts per million.
ND = Not Detected.
A interval - 0-1 feet.
B interval - 1-3 feet.
Dup = Duplicate
Rep = Replicate
MassDEP S-1/GW-2 Standard = Massachusetts Department of Environmental Protection Method 1 Soil Category S-1/Groundwater Category GW-2 standard.
EPA RML - Residential = EPA Regional Management Level for Residential Soil, HQ=3.
Bolded results highlighted in YELLOW exceed the MassDEP S-1/GW-2 standards.

US EPA REGION 1
SAMPLE RECEIPT CHECKLIST

PROJ #: 23080055	RECEIPT DATE: 8-29-13
SURVEY NAME: RIVERSIDE SQUARE PCB LOCATION: BOSTON, MA	REC'D BY: Doris Guzman (ESAT)
OSC/PO: Tom Hatzopoulos	SITE ID: 01HG SUPERFUND: Y

WERE SAMPLES SHIPPED? N TRACKING #: _____ DATE/SENT: _____ NO. IN-HOUSE	COMMENTS: Soil Samples for Analysis From July Field PCB analysis 15 $METMS_PE
COOLER TEMPERATURE UPON ARRIVAL 4 °C / NA	
CHAIN OF CUSTODY PRESENT? Y COMPLETE?	
CUSTODY SEALS PRESENT ON COOLER? N SAMPLES? N	
WERE SAMPLE CONTAINERS INTACT? Y	
WAS SAMPLE PRESERVATION DOCUMENTED? Y COC Sample Container	
APPROPRIATE SAMPLES VOLUME FOR REQUESTED ANALYSIS? Y	
SAMPLES AND COC MATCH? Y	
IF ANY PROBLEMS WAS PROJECT MANAGER NOTIFIED? BY WHOM? _____	
APPROPRIATE SAMPLE CONTAINERS?	--> Poly Bags
SAMPLES WITHIN HOLDING TIMES? Y	
ALL ANALYSIS SPECIFIED ON COC? Y	
DATE/TIME OF COLLECTION ON COC Y	
TURN-AROUND TIME: 4 WEEKS	