



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 1
5 Post Office Square, Suite 100
Boston, MA 02109-3912

MEMORANDUM

Date: July 27, 2026
From: Athanasios Hatzopoulos, On-Scene Coordinator
To: Riverside Square PCB Site File
Subject: Updated Preliminary Site Assessment/Site Investigation Tables and Figures for the Riverside Square PCB Site

During the performance of the removal action at the Riverside Square PCB Site, some minor discrepancies were discovered in Tables 1-6, Figures 3A, 3B, 4A and 4B, and analytical data summaries that were included as part of the June 2024 Preliminary Assessment/Site Investigation Report (PA/SI). Following EPA's discovery of these discrepancies, EPA and its contractor Weston Solutions, which had generated the Tables and Figures for the PA/SI Report, performed a thorough review of the PA/SI Report Tables and Figures to identify discrepancies, determine the cause of the discrepancies, and verify that any discrepancies did not impact the removal action (including the extent and depth of excavation). This memorandum details the results of the review, attaches updated PA/SI Report Tables and Figures, and confirms that the errors were limited to some of the PA/SI Report Tables and Figures and had no impact on the data nor the analyses presented in the PA/SI Report. This memorandum, with attachments, is attached to the PA/SI Report.

EPA requested that Weston Solutions determine the source of discrepancies identified in Tables 1-6 of the PA/SI Report and confirm that the "discrepancies had no impact whatsoever on the data, the analyses, or the ongoing Removal Action." Weston Solutions (Weston) provided the following additional response:

Weston determined that the source of the discrepancy in the Tables 1-6 [of the PA/SI Report] was due to data entry errors when applying numerical values from data packages or data exports into Tables 1-6 [of the PA/SI Report]. The discrepancies have no relation to the accuracy of the NERL [New England Regional Laboratory] data packages or XRF [x-ray fluorescence] field data export files. Weston confirmed that all data entry errors in Tables 1 through 6 [of the PA/SI Report] have been cross-checked against NERL data packages and XRF data exports, and data entry errors have been corrected.

EPA requested that Weston Solutions determine the source of discrepancies identified in Figures 3A, 3B, 4A, and 4B of the PA/SI Report and confirm that the "discrepancies had no impact whatsoever on the data, the analyses, or the ongoing Removal Action." Weston Solutions continued its response with the following statement:

Weston determined the source of the discrepancies was due to the carryover of discrepancies from Tables 1-6 [of the PA/SI Report] when copying and pasting data into the ArcGIS attribute tables for Figures 3A, 3B, 4A, and 4B [of the PA/SI Report]. Weston confirmed that all discrepancies have been corrected... Additionally, after Weston corrected the discrepancies in Tables 1-6 [of the PA/SI Report], the corrections were further applied to the Analytical Data Summaries in the PA/SI Report. Due to the discrepancies, the Field Screening Results and Regression Analysis were adjusted. Weston confirmed that all discrepancies have been corrected.

Updates to the PA/SI Report are summarized below.

Tables:

- Revised results displayed in Tables 1-6 of the PA/SI Report based on analytical data packages from EPA's New England Regional Laboratory (NERL) and from XRF (x-ray fluorescence) field documentation submitted by EPA's Superfund Technical Assessment & Response Team contractor, also known as START.

Figures:

- Added and removed sample locations and results based on Table revisions to Figures 3A, 3B, 4A and 4B of the PA/SI Report.

Analytical Data Summaries:

- The corrections from Tables 1-6 were applied to the Analytical Data Summaries in the PA/SI Report. The sections in the PA/SI Report regarding Field Screening Results and Regression Analysis were adjusted to reflect the corrected values. \
- Soil boring identification numbers were adjusted to match what is displayed in Figures 3A, 3B, 4A, and 4B of the PA/SI Report.

Attachments:

Updated PA/SI Report Tables 1 - 6
Updated PA/SI Report Figure 3A
Updated PA/SI Report Figure 3B
Updated PA/SI Report Figure 4A
Updated PA/SI Report Figure 4B
Updated Analytical Data Summaries

UPDATED 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 A dup	S50134MA-0143	AC05848	ND
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

ANALYTICAL METHODS

All samples analyzed by U.S. EPA Laboratory Services and Applied Sciences Division (LSASD) as follows:

PCB Screening: EPA Region I SOP LSBSOP-FLDPCB4, PCBs in Soil Field Method (Fixed Lab).

NOTES

- 1) mg/kg = milligrams per kilogram.
- 2) A Interval = 0 - 1 foot.
- 3) PCB = Polychlorinated biphenyl.
- 4) B Interval = 1 - 3 feet.
- 5) ND = Not Detected.
- 6) dup = Duplicate.
- 7) MCP Method 1 S-1 Soil Standard = Massachusetts Contingency Plan Method 1 S-1 Soil Standard.
- 8) MCP IH Soil Standard = Massachusetts Contingency Plan Imminent Hazard Soil Standard.
- 9) EPA RML - Residential = EPA Regional Management Level for Residential Soil, Hazard Quotient (HQ) = 3.
- 10) Sample results highlighted in YELLOW exceed the MCP Method 1 S-1 Soil Standard.
- 11) Sample results highlighted in ORANGE exceed the MCP IH Soil Standard.
- 12) Sample results highlighted in RED exceed the EPA RML - Residential.

UPDATED TABLE 1
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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 A dup	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 A dup	S50134MA-0144	AC05849	3.90
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

ANALYTICAL METHODS

All samples analyzed by U.S. EPA Laboratory Services and Applied Sciences Division (LSASD) as follows:

PCB Screening: EPA Region I SOP LSBSOP-FLDPCB4, PCBs in Soil Field Method (Fixed Lab).

NOTES

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- 4) B Interval = 1 - 3 feet.
- 5) ND = Not Detected.
- 6) dup = Duplicate.
- 7) MCP Method 1 S-1 Soil Standard = Massachusetts Contingency Plan Method 1 S-1 Soil Standard.
- 8) MCP IH Soil Standard = Massachusetts Contingency Plan Imminent Hazard Soil Standard.
- 9) EPA RML - Residential = EPA Regional Management Level for Residential Soil, Hazard Quotient (HQ) = 3.
- 10) Sample results highlighted in YELLOW exceed the MCP Method 1 S-1 Soil Standard.
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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	4.50
D-050 A	S50134MA-0051	AC05823	0.68
D-075 A	S50134MA-0052	AC05824	0.32
D-100 A	S50134MA-0053	AC05825	0.99
D-125 A	S50134MA-0054	AC05826	ND
D-150 A	S50134MA-0055	AC05827	0.34
D-150 B	S50134MA-0056	AC05828	1.40
D-175 A	S50134MA-0366	AC07812	0.21
D-200 A	S50134MA-0398	AC07813	0.52
D-225 A	S50134MA-0389	AC07814	0.36

ANALYTICAL METHODS

All samples analyzed by U.S. EPA Laboratory Services and Applied Sciences Division (LSASD) as follows:

PCB Screening: EPA Region I SOP LSBSOP-FLDPCB4, PCBs in Soil Field Method (Fixed Lab).

NOTES

- 1) mg/kg = milligrams per kilogram.
- 2) A Interval = 0 - 1 foot.
- 3) PCB = Polychlorinated biphenyl.
- 4) B Interval = 1 - 3 feet.
- 5) ND = Not Detected.
- 6) dup = Duplicate.
- 7) MCP Method 1 S-1 Soil Standard = Massachusetts Contingency Plan Method 1 S-1 Soil Standard.
- 8) MCP IH Soil Standard = Massachusetts Contingency Plan Imminent Hazard Soil Standard.
- 9) EPA RML - Residential = EPA Regional Management Level for Residential Soil, Hazard Quotient (HQ) = 3.
- 10) Sample results highlighted in YELLOW exceed the MCP Method 1 S-1 Soil Standard.
- 11) Sample results highlighted in ORANGE exceed the MCP IH Soil Standard.
- 12) Sample results highlighted in RED exceed the EPA RML - Residential.

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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 A dup	S50134MA-0145	AC05784	ND

ANALYTICAL METHODS

All samples analyzed by U.S. EPA Laboratory Services and Applied Sciences Division (LSASD) as follows:

PCB Screening: EPA Region I SOP LSBSOP-FLDPCB4, PCBs in Soil Field Method (Fixed Lab).

NOTES

- 1) mg/kg = milligrams per kilogram.
- 2) A Interval = 0 - 1 foot.
- 3) PCB = Polychlorinated biphenyl.
- 4) B Interval = 1 - 3 feet.
- 5) ND = Not Detected.
- 6) dup = Duplicate.
- 7) MCP Method 1 S-1 Soil Standard = Massachusetts Contingency Plan Method 1 S-1 Soil Standard.
- 8) MCP IH Soil Standard = Massachusetts Contingency Plan Imminent Hazard Soil Standard.
- 9) EPA RML - Residential = EPA Regional Management Level for Residential Soil, Hazard Quotient (HQ) = 3.
- 10) Sample results highlighted in YELLOW exceed the MCP Method 1 S-1 Soil Standard.
- 11) Sample results highlighted in ORANGE exceed the MCP IH Soil Standard.
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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	0.43
E-050 A	S50134MA-0080	AC05836	1.00
E-075 A	S50134MA-0081	AC05837	0.32
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

ANALYTICAL METHODS

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PCB Screening: EPA Region I SOP LSBSOP-FLDPCB4, PCBs in Soil Field Method (Fixed Lab).

NOTES

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- 4) B Interval = 1 - 3 feet.
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- 6) dup = Duplicate.
- 7) MCP Method 1 S-1 Soil Standard = Massachusetts Contingency Plan Method 1 S-1 Soil Standard.
- 8) MCP IH Soil Standard = Massachusetts Contingency Plan Imminent Hazard Soil Standard.
- 9) EPA RML - Residential = EPA Regional Management Level for Residential Soil, Hazard Quotient (HQ) = 3.
- 10) Sample results highlighted in YELLOW exceed the MCP Method 1 S-1 Soil Standard.
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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 B dup	S50134MA-0147	AC05785	0.46

ANALYTICAL METHODS

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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 B dup	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 A	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	0.63
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

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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	1.48
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 A dup	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

ANALYTICAL METHODS

All samples analyzed by U.S. EPA Laboratory Services and Applied Sciences Division (LSASD) as follows:

PCB Screening: EPA Region I SOP LSBSOP-FLDPCB4, PCBs in Soil Field Method (Fixed Lab).

NOTES

- 1) mg/kg = milligrams per kilogram.
- 2) A Interval = 0 - 1 foot.
- 3) PCB = Polychlorinated biphenyl.
- 4) B Interval = 1 - 3 feet.
- 5) ND = Not Detected.
- 6) dup = Duplicate.
- 7) MCP Method 1 S-1 Soil Standard = Massachusetts Contingency Plan Method 1 S-1 Soil Standard.
- 8) MCP IH Soil Standard = Massachusetts Contingency Plan Imminent Hazard Soil Standard.
- 9) EPA RML - Residential = EPA Regional Management Level for Residential Soil, Hazard Quotient (HQ) = 3.
- 10) Sample results highlighted in YELLOW exceed the MCP Method 1 S-1 Soil Standard.
- 11) Sample results highlighted in ORANGE exceed the MCP IH Soil Standard.
- 12) Sample results highlighted in RED exceed the EPA RML - Residential.

UPDATED 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 dup	S50134MA-0309	AC07894	2.20
FF-075 A	S50134MA-0122	AC05843	3.30
FF-100 A	S50134MA-0123	AC05844	2.30
FF-125 A	S50134MA-0124	AC05845	2.80
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

ANALYTICAL METHODS

All samples analyzed by U.S. EPA Laboratory Services and Applied Sciences Division (LSASD) as follows:

PCB Screening: EPA Region I SOP LSBSOP-FLDPCB4, PCBs in Soil Field Method (Fixed Lab).

NOTES

- 1) mg/kg = milligrams per kilogram.
- 2) A Interval = 0 - 1 foot.
- 3) PCB = Polychlorinated biphenyl.
- 4) B Interval = 1 - 3 feet.
- 5) ND = Not Detected.
- 6) dup = Duplicate.
- 7) MCP Method 1 S-1 Soil Standard = Massachusetts Contingency Plan Method 1 S-1 Soil Standard.
- 8) MCP IH Soil Standard = Massachusetts Contingency Plan Imminent Hazard Soil Standard.
- 9) EPA RML - Residential = EPA Regional Management Level for Residential Soil, Hazard Quotient (HQ) = 3.
- 10) Sample results highlighted in YELLOW exceed the MCP Method 1 S-1 Soil Standard.
- 11) Sample results highlighted in ORANGE exceed the MCP IH Soil Standard.
- 12) Sample results highlighted in RED exceed the EPA RML - Residential.

UPDATED 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 A dup	S50134MA-0149	AC05787	4.00
G-600 A	S50134MA-0126	AC05769	0.87
G-625 A	S50134MA-0127	AC05770	1.60
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

ANALYTICAL METHODS

All samples analyzed by U.S. EPA Laboratory Services and Applied Sciences Division (LSASD) as follows:

PCB Screening: EPA Region I SOP LSBSOP-FLDPCB4, PCBs in Soil Field Method (Fixed Lab).

NOTES

- 1) mg/kg = milligrams per kilogram.
- 2) A Interval = 0 - 1 foot.
- 3) PCB = Polychlorinated biphenyl.
- 4) B Interval = 1 - 3 feet.
- 5) ND = Not Detected.
- 6) dup = Duplicate.
- 7) MCP Method 1 S-1 Soil Standard = Massachusetts Contingency Plan Method 1 S-1 Soil Standard.
- 8) MCP IH Soil Standard = Massachusetts Contingency Plan Imminent Hazard Soil Standard.
- 9) EPA RML - Residential = EPA Regional Management Level for Residential Soil, Hazard Quotient (HQ) = 3.
- 10) Sample results highlighted in YELLOW exceed the MCP Method 1 S-1 Soil Standard.
- 11) Sample results highlighted in ORANGE exceed the MCP IH Soil Standard.
- 12) Sample results highlighted in RED exceed the EPA RML - Residential.

UPDATED 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 A dup	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	3.50
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

ANALYTICAL METHODS

All samples analyzed by U.S. EPA Laboratory Services and Applied Sciences Division (LSASD) as follows:

PCB Screening: EPA Region I SOP LSBSOP-FLDPCB4, PCBs in Soil Field Method (Fixed Lab).

NOTES

- 1) mg/kg = milligrams per kilogram.
- 2) A Interval = 0 - 1 foot.
- 3) PCB = Polychlorinated biphenyl.
- 4) B Interval = 1 - 3 feet.
- 5) ND = Not Detected.
- 6) dup = Duplicate.
- 7) MCP Method 1 S-1 Soil Standard = Massachusetts Contingency Plan Method 1 S-1 Soil Standard.
- 8) MCP IH Soil Standard = Massachusetts Contingency Plan Imminent Hazard Soil Standard.
- 9) EPA RML - Residential = EPA Regional Management Level for Residential Soil, Hazard Quotient (HQ) = 3.
- 10) Sample results highlighted in YELLOW exceed the MCP Method 1 S-1 Soil Standard.
- 11) Sample results highlighted in ORANGE exceed the MCP IH Soil Standard.
- 12) Sample results highlighted in RED exceed the EPA RML - Residential.

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

Sample Location	Arsenic (mg/kg)	Chromium (Total) (mg/kg)	Lead (mg/kg)
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	27.00	133.00
AA-100A dup	ND	33.00	173.00
AA-100B	ND	35.00	71.00
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

ANALYTICAL METHODS

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

NOTES

- 1) mg/kg = milligrams per kilogram.
- 2) A Interval = 0 - 1 feet.
- 3) XRF = X-ray Fluorescence.
- 4) B Interval = 1 - 3 feet.
- 5) dup = Duplicate.
- 6) rep = replicate
- 7) ND = Not Detected.
- 8) NR = Not Recorded.
- 9) MCP Method 1 S-1 Soil Standard = Massachusetts Contingency Plan Method 1 S-1 Soil Standard.
- 10) EPA RML - Residential = EPA Regional Management Level for Residential Soil, Hazard Quotient (HQ) = 3.
- 11) Sample results highlighted in YELLOW exceed the MCP Method 1 S-1 Soil Standard.
- 12) Sample results highlighted in RED exceed the EPA RML - Residential.

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

Sample Location	Arsenic (mg/kg)	Chromium (Total) (mg/kg)	Lead (mg/kg)
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 dup	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-050A dup	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

ANALYTICAL METHODS

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

NOTES

- 1) mg/kg = milligrams per kilogram.
- 2) A Interval = 0 - 1 feet.
- 3) XRF = X-ray Fluorescence.
- 4) B Interval = 1 - 3 feet.
- 5) dup = Duplicate.
- 6) rep = replicate
- 7) ND = Not Detected.
- 8) NR = Not Recorded.
- 9) MCP Method 1 S-1 Soil Standard = Massachusetts Contingency Plan Method 1 S-1 Soil Standard.
- 10) EPA RML - Residential = EPA Regional Management Level for Residential Soil, Hazard Quotient (HQ) = 3.
- 11) Sample results highlighted in YELLOW exceed the MCP Method 1 S-1 Soil Standard.
- 12) Sample results highlighted in RED exceed the EPA RML - Residential.

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

Sample Location	Arsenic (mg/kg)	Chromium (Total) (mg/kg)	Lead (mg/kg)
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	ND	45.00	96.00
C-700B	ND	54.00	57.00
C-725A	ND	37.00	30.20
C-725A dup	14.00	46.00	128.00
C-750A	ND	39.00	83.00
C-750B	ND	36.00	78.00
C-750B rep	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-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
D-125A	ND	67.00	77.00
D-150A	ND	55.00	95.00
D-150B	ND	52.00	61.00

ANALYTICAL METHODS

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

NOTES

- 1) mg/kg = milligrams per kilogram.
- 2) A Interval = 0 - 1 feet.
- 3) XRF = X-ray Fluorescence.
- 4) B Interval = 1 - 3 feet.
- 5) dup = Duplicate.
- 6) rep = replicate
- 7) ND = Not Detected.
- 8) NR = Not Recorded.
- 9) MCP Method 1 S-1 Soil Standard = Massachusetts Contingency Plan Method 1 S-1 Soil Standard.
- 10) EPA RML - Residential = EPA Regional Management Level for Residential Soil, Hazard Quotient (HQ) = 3.
- 11) Sample results highlighted in YELLOW exceed the MCP Method 1 S-1 Soil Standard.
- 12) Sample results highlighted in RED exceed the EPA RML - Residential.

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

Sample Location	Arsenic (mg/kg)	Chromium (Total) (mg/kg)	Lead (mg/kg)
MCP Method-1 S-1 Soil Standard	20	100	200
EPA RML - Residential	68	350,000	200
D-175A	ND	ND	23.23
D-200A	9.83	47.25	155.80
D-225A	11.31	64.45	141.98
D-250A	10.30	49.97	92.75
D-275A	4.00	45.31	203.37
D-300A	6.47	45.76	162.63
D-325A	5.25	32.63	104.04
D-325B	11.43	82.87	97.54
D-350A	8.71	46.36	125.42
D-375A	7.13	44.90	72.77
D-375B	2.69	36.81	91.00
D-400A	8.36	41.10	140.32
D-400B	22.32	52.77	148.97
D-425A	18.40	58.44	145.64
D-450A	4.63	43.69	55.64
D-450B	14.01	73.04	131.23
D-475A	9.49	45.37	115.20
D-525A	33.75	138.33	720.05
D-550A	40.07	125.58	353.83
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 rep	ND	40.00	244.00
D-700A	21.00	41.00	123.00
D-700B	13.00	36.00	136.00

ANALYTICAL METHODS

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

NOTES

- 1) mg/kg = milligrams per kilogram.
- 2) A Interval = 0 - 1 feet.
- 3) XRF = X-ray Fluorescence.
- 4) B Interval = 1 - 3 feet.
- 5) dup = Duplicate.
- 6) rep = replicate
- 7) ND = Not Detected.
- 8) NR = Not Recorded.
- 9) MCP Method 1 S-1 Soil Standard = Massachusetts Contingency Plan Method 1 S-1 Soil Standard.
- 10) EPA RML - Residential = EPA Regional Management Level for Residential Soil, Hazard Quotient (HQ) = 3.
- 11) Sample results highlighted in YELLOW exceed the MCP Method 1 S-1 Soil Standard.
- 12) Sample results highlighted in RED exceed the EPA RML - Residential.

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

Sample Location	Arsenic (mg/kg)	Chromium (Total) (mg/kg)	Lead (mg/kg)
MCP Method-1 S-1 Soil Standard	20	100	200
EPA RML - Residential	68	350,000	200
D-725A	ND	45.00	107.00
D-725A dup	ND	38.00	103.00
D-725B	ND	55.00	17.00
D-750A	12.00	43.00	108.00
D-750B	ND	29.00	18.30
D-775A	14.00	43.00	385.00
D-775B	ND	57.00	792.00
DD-025A	29.25	14.42	329.55
DD-050A	ND	38.00	1,168.00
DD-050B	ND	28.00	677.00
DD-075A	7.00	31.00	81.00
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-175A	76.58	21.92	525.69
DD-200A	16.11	31.77	61.41
E-000A	7.45	30.23	118.36
E-025A	ND	62.00	87.00
E-050A	ND	67.00	71.00
E-075A	ND	49.00	107.00
E-075A rep	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
E-225A	4.76	48.15	110.51

ANALYTICAL METHODS

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

NOTES

- 1) mg/kg = milligrams per kilogram.
- 2) A Interval = 0 - 1 feet.
- 3) XRF = X-ray Fluorescence.
- 4) B Interval = 1 - 3 feet.
- 5) dup = Duplicate.
- 6) rep = replicate
- 7) ND = Not Detected.
- 8) NR = Not Recorded.
- 9) MCP Method 1 S-1 Soil Standard = Massachusetts Contingency Plan Method 1 S-1 Soil Standard.
- 10) EPA RML - Residential = EPA Regional Management Level for Residential Soil, Hazard Quotient (HQ) = 3.
- 11) Sample results highlighted in YELLOW exceed the MCP Method 1 S-1 Soil Standard.
- 12) Sample results highlighted in RED exceed the EPA RML - Residential.

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

Sample Location	Arsenic (mg/kg)	Chromium (Total) (mg/kg)	Lead (mg/kg)
MCP Method-1 S-1 Soil Standard	20	100	200
EPA RML - Residential	68	350,000	200
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	18.40	95.52	175.15
E-425B	14.89	87.69	115.10
E-450A	5.00	54.39	131.26
E-475A	17.52	81.75	120.89
E-475B	19.10	109.17	85.15
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-575A	20.00	146.00	501.00
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

ANALYTICAL METHODS

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

NOTES

- 1) mg/kg = milligrams per kilogram.
- 2) A Interval = 0 - 1 feet.
- 3) XRF = X-ray Fluorescence.
- 4) B Interval = 1 - 3 feet.
- 5) dup = Duplicate.
- 6) rep = replicate
- 7) ND = Not Detected.
- 8) NR = Not Recorded.
- 9) MCP Method 1 S-1 Soil Standard = Massachusetts Contingency Plan Method 1 S-1 Soil Standard.
- 10) EPA RML - Residential = EPA Regional Management Level for Residential Soil, Hazard Quotient (HQ) = 3.
- 11) Sample results highlighted in YELLOW exceed the MCP Method 1 S-1 Soil Standard.
- 12) Sample results highlighted in RED exceed the EPA RML - Residential.

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

Sample Location	Arsenic (mg/kg)	Chromium (Total) (mg/kg)	Lead (mg/kg)
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-125B dup	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 rep	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

ANALYTICAL METHODS

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

NOTES

- 1) mg/kg = milligrams per kilogram.
- 2) A Interval = 0 - 1 feet.
- 3) XRF = X-ray Fluorescence.
- 4) B Interval = 1 - 3 feet.
- 5) dup = Duplicate.
- 6) rep = replicate
- 7) ND = Not Detected.
- 8) NR = Not Recorded.
- 9) MCP Method 1 S-1 Soil Standard = Massachusetts Contingency Plan Method 1 S-1 Soil Standard.
- 10) EPA RML - Residential = EPA Regional Management Level for Residential Soil, Hazard Quotient (HQ) = 3.
- 11) Sample results highlighted in YELLOW exceed the MCP Method 1 S-1 Soil Standard.
- 12) Sample results highlighted in RED exceed the EPA RML - Residential.

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

Sample Location	Arsenic (mg/kg)	Chromium (Total) (mg/kg)	Lead (mg/kg)
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	5.49	52.37	89.42
F-400B	6.77	49.08	66.42
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-475A	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-625A dup	NR	44.00	NR
F-625B	ND	34.00	26.10
F-650A	7.00	8.00	84.00

ANALYTICAL METHODS

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

NOTES

- 1) mg/kg = milligrams per kilogram.
- 2) A Interval = 0 - 1 feet.
- 3) XRF = X-ray Fluorescence.
- 4) B Interval = 1 - 3 feet.
- 5) dup = Duplicate.
- 6) rep = replicate
- 7) ND = Not Detected.
- 8) NR = Not Recorded.
- 9) MCP Method 1 S-1 Soil Standard = Massachusetts Contingency Plan Method 1 S-1 Soil Standard.
- 10) EPA RML - Residential = EPA Regional Management Level for Residential Soil, Hazard Quotient (HQ) = 3.
- 11) Sample results highlighted in YELLOW exceed the MCP Method 1 S-1 Soil Standard.
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UPDATED TABLE 2
SUMMARY OF METALS SOIL SCREENING RESULTS
RIVERSIDE SQUARE PCB SITE
BOSTON (HYDE PARK), MASSACHUSETTS

Sample Location	Arsenic (mg/kg)	Chromium (Total) (mg/kg)	Lead (mg/kg)
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 dup	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 rep	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-125A	5.66	52.38	117.40
G-150A	7.63	43.59	89.86
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

ANALYTICAL METHODS

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

NOTES

- 1) mg/kg = milligrams per kilogram.
- 2) A Interval = 0 - 1 feet.
- 3) XRF = X-ray Fluorescence.
- 4) B Interval = 1 - 3 feet.
- 5) dup = Duplicate.
- 6) rep = replicate
- 7) ND = Not Detected.
- 8) NR = Not Recorded.
- 9) MCP Method 1 S-1 Soil Standard = Massachusetts Contingency Plan Method 1 S-1 Soil Standard.
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- 11) Sample results highlighted in YELLOW exceed the MCP Method 1 S-1 Soil Standard.
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UPDATED TABLE 2
SUMMARY OF METALS SOIL SCREENING RESULTS
RIVERSIDE SQUARE PCB SITE
BOSTON (HYDE PARK), MASSACHUSETTS

Sample Location	Arsenic (mg/kg)	Chromium (Total) (mg/kg)	Lead (mg/kg)
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-225B	6.90	56.04	70.51
G-250A	10.70	58.83	112.12
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-575A dup	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

ANALYTICAL METHODS

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

NOTES

- 1) mg/kg = milligrams per kilogram.
- 2) A Interval = 0 - 1 feet.
- 3) XRF = X-ray Fluorescence.
- 4) B Interval = 1 - 3 feet.
- 5) dup = Duplicate.
- 6) rep = replicate
- 7) ND = Not Detected.
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- 9) MCP Method 1 S-1 Soil Standard = Massachusetts Contingency Plan Method 1 S-1 Soil Standard.
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UPDATED TABLE 2
SUMMARY OF METALS SOIL SCREENING RESULTS
RIVERSIDE SQUARE PCB SITE
BOSTON (HYDE PARK), MASSACHUSETTS

Sample Location	Arsenic (mg/kg)	Chromium (Total) (mg/kg)	Lead (mg/kg)
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-575A dup	NR	42.00	NR
H-575B	ND	35.00	29.80
H-600A	ND	48.00	85.00
H-600A dup	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

ANALYTICAL METHODS

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

NOTES

- 1) mg/kg = milligrams per kilogram.
- 2) A Interval = 0 - 1 feet.
- 3) XRF = X-ray Fluorescence.
- 4) B Interval = 1 - 3 feet.
- 5) dup = Duplicate.
- 6) rep = replicate
- 7) ND = Not Detected.
- 8) NR = Not Recorded.
- 9) MCP Method 1 S-1 Soil Standard = Massachusetts Contingency Plan Method 1 S-1 Soil Standard.
- 10) EPA RML - Residential = EPA Regional Management Level for Residential Soil, Hazard Quotient (HQ) = 3.
- 11) Sample results highlighted in YELLOW exceed the MCP Method 1 S-1 Soil Standard.
- 12) Sample results highlighted in RED exceed the EPA RML - Residential.

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

COMPOUND	SAMPLE LOCATION: SAMPLE NUMBER: SAMPLE DEPTH:			C-650B S50134MA-0038 1-3 feet	D-575B S50134MA-0058 1-3 feet	D-775B S50134MA-0072 1-3 feet	E-675A S50134MA-0089 0-1 foot	EF-775A S50134MA-0105 0-1 foot	F-700A S50134MA-0115 0-1 foot	W-001B S50134MA-0137 1-3 feet	W-004A S50134MA-0140 0-1 foot
	MCP S-1	MCP IH	EPA RML - Res								
	mg/kg			mg/kg							
POLYCHLORINATED BIPHENYLS (PCBs)											
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	18.4

COMPOUND	SAMPLE LOCATION: SAMPLE NUMBER: SAMPLE DEPTH:			A-125A S50134MA-0006 0-1 foot	B-150B S50134MA-0018 1-3 feet	C-200A S50134MA-0032 0-1 foot	DD-075A S50134MA-0075 0-1 foot	FF-075A S50134MA-0122 0-1 foot	AA-100A dup S50134MA-0143 0-1 foot	EE-125B dup S50134MA-0146 1-3 feet	AA-075A S50134MA-0374 0-1 foot
	MCP S-1	MCP IH	EPA RML - Res								
	mg/kg			mg/kg							
POLYCHLORINATED BIPHENYLS (PCBs)											
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-PESTS016;
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.

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

COMPOUND	SAMPLE LOCATION: SAMPLE NUMBER: SAMPLE DEPTH:			B-275B S50134MA-0378 1-3 feet	C-275A S50134MA-0397 0-1 foot	D-175A S50134MA-0366 0-1 foot	D-250A S50134MA-0376 0-1 foot	D-350A S50134MA-0390 0-1 foot	D-375B S50134MA-0394 1-3 feet	D-400B S50134MA-0395 1-3 feet	D-525A S50134MA-0154 0-1 foot
	MCP S-1	MCP IH	EPA RML - Res								
	mg/kg										
POLYCHLORINATED BIPHENYLS (PCBs)	mg/kg										
Aroclor-1248	NL	NL	23	ND	ND	ND	0.77	0.72	0.09	ND	ND
Aroclor-1254	NL	NL	3.5	ND	0.07	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	0.07	0.60	1.87	1.48	0.19	ND	2.6

COMPOUND	SAMPLE LOCATION: SAMPLE NUMBER: SAMPLE DEPTH:			D-550A S50134MA-0434 0-1 foot	E-475A S50134MA-0159 0-1 foot	E-550A S50134MA-0163 0-1 foot	EE-200A S50134MA-0413 0-1 foot	F-100A S50134MA-0313 0-1 foot	F-225A S50134MA-0289 0-1 foot	F-325A S50134MA-0182 0-1 foot	E-000A S50134MA-0325 0-1 foot
	MCP S-1	MCP IH	EPA RML - Res								
	mg/kg										
POLYCHLORINATED BIPHENYLS (PCBs)	mg/kg										
Aroclor-1248	NL	NL	23	0.20	ND	0.65	0.08	1.1	1.2	0.32	0.53
Aroclor-1254	NL	NL	3.5	0.42	0.78	0.77	0.08	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	1.21

ANALYTICAL METHODS

Samples analyzed by US EPA LSASD as follows:
PCBs: EPA Region I SOP LSBSOP-PESTS016;
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.

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

COMPOUND	SAMPLE LOCATION: SAMPLE NUMBER: SAMPLE DEPTH:			E-325A S50134MA-0385 0-1 foot	E-425B S50134MA-0157 1-3 feet	F-400B S50134MA-0186 1-3 feet	F-500A S50134MA-0167 0-1 foot	FF-175A S50134MA-0401 0-1 foot	G-050A S50134MA-0314 0-1 foot	G-175A S50134MA-0427 0-1 foot	G-225B S50134MA-0299 1-3 feet
	MCP S-1	MCP IH	EPA RML - Res								
	mg/kg			mg/kg							
POLYCHLORINATED BIPHENYLS (PCBs)											
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	1.91	1.78	1.53	1.51	1.5	1.52	1.97

COMPOUND	SAMPLE LOCATION: SAMPLE NUMBER: SAMPLE DEPTH:			G-300A S50134MA-0190 0-1 foot	G-425A S50134MA-0195 0-1 foot	G-550A S50134MA-0200 0-1 foot	H-250A S50134MA-0202 0-1 foot	H-300A S50134MA-0204 0-1 foot	H-400A S50134MA-0208 0-1 foot	H-500A S50134MA-0211 0-1 foot	H-625B S50134MA-0174 1-3 feet
	MCP S-1	MCP IH	EPA RML - Res								
	mg/kg			mg/kg							
POLYCHLORINATED BIPHENYLS (PCBs)											
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	1.63	2.8	4.0	1.24	3.6	2.03	1.26	2.4

ANALYTICAL METHODS

Samples analyzed by US EPA LSASD as follows:
PCBs: EPA Region I SOP LSBSOP-PESTS0IL6;
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.

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

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

ANALYTICAL METHODS

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

Metals: EPA Region I SOP, LSBSOP-OPTIMAS1;

Metals in Soil by ICP-OES.

NOTES:

- 1) mg/kg = milligrams per kilogram
- 2) NL = Not Listed.
- 3) ND = Not Detected.
- 4) -- = Parameter not analyzed.
- 5) EPA RML-Res = US EPA Removal Management Level for Residential Soil.
- 6) MCP S-1 Standard = Massachusetts Contingency Plan Method 1 S-1 Soil Standard.
- 7) Sample results bolded and highlighted in YELLOW indicate compounds exceeding the MCP S-1 Standard.
- 8) Sample results bolded and highlighted in RED indicate compounds exceeding the EPA Residential RML.
- 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.

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

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

ANALYTICAL METHODS

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

Metals: EPA Region I SOP, LSBSOP-OPTIMAS1;

Metals in Soil by ICP-OES.

NOTES:

- 1) mg/kg = milligrams per kilogram
- 2) NL = Not Listed.
- 3) ND = Not Detected.
- 4) -- = Parameter not analyzed.
- 5) EPA RML-Res = US EPA Removal Management Level for Residential Soil.
- 6) MCP S-1 Standard = Massachusetts Contingency Plan Method 1 S-1 Soil Standard.
- 7) Sample results bolded and highlighted in YELLOW indicate compounds exceeding the MCP S-1 Standard.
- 8) Sample results bolded and highlighted in RED indicate compounds exceeding the EPA Residential RML.
- 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.

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

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

ANALYTICAL METHODS

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

Metals: EPA Region I SOP, LSBSOP-OPTIMAS1;

Metals in Soil by ICP-OES.

NOTES:

- 1) mg/kg = milligrams per kilogram
- 2) NL = Not Listed.
- 3) ND = Not Detected.
- 4) -- = Parameter not analyzed.
- 5) EPA RML-Res = US EPA Removal Management Level for Residential Soil.
- 6) MCP S-1 Standard = Massachusetts Contingency Plan Method 1 S-1 Soil Standard.
- 7) Sample results bolded and highlighted in YELLOW indicate compounds exceeding the MCP S-1 Standard.
- 8) Sample results bolded and highlighted in RED indicate compounds exceeding the EPA Residential RML.
- 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.

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

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

ANALYTICAL METHODS

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

Metals: EPA Region I SOP, LSBSOP-OPTIMAS1;

Metals in Soil by ICP-OES.

NOTES:

- 1) mg/kg = milligrams per kilogram
- 2) NL = Not Listed.
- 3) ND = Not Detected.
- 4) -- = Parameter not analyzed.
- 5) EPA RML-Res = US EPA Removal Management Level for Residential Soil.
- 6) MCP S-1 Standard = Massachusetts Contingency Plan Method 1 S-1 Soil Standard.
- 7) Sample results bolded and highlighted in YELLOW indicate compounds exceeding the MCP S-1 Standard.
- 8) Sample results bolded and highlighted in RED indicate compounds exceeding the EPA Residential RML.
- 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.

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

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

ANALYTICAL METHODS

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

Metals: EPA Region I SOP, LSBSOP-OPTIMAS1;

Metals in Soil by ICP-OES.

NOTES:

- 1) mg/kg = milligrams per kilogram
- 2) NL = Not Listed.
- 3) ND = Not Detected.
- 4) -- = Parameter not analyzed.
- 5) EPA RML-Res = US EPA Removal Management Level for Residential Soil.
- 6) MCP S-1 Standard = Massachusetts Contingency Plan Method 1 S-1 Soil Standard.
- 7) Sample results bolded and highlighted in YELLOW indicate compounds exceeding the MCP S-1 Standard.
- 8) Sample results bolded and highlighted in RED indicate compounds exceeding the EPA Residential RML.
- 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.

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

COMPOUND	SAMPLE LOCATION: SAMPLE NUMBER: SAMPLE DEPTH:		F-625B S50134MA-0112 1-3 feet	F-750A S50134MA-0119 0-1 foot	F-750B S50134MA-0120 1-3 feet	G-600A S50134MA-0126 0-1 foot	W-003A S50134MA-0139 0-1 foot	A-000A S50134MA-0411 0-1 foot	B-000A S50134MA-0340 0-1 foot
	MCP S-1	EPA RML-Res							
	mg/kg		mg/kg						
METALS	mg/kg		mg/kg						
Silver	100	1,200	ND	1.3	1.2	ND	1.1	ND	ND
Aluminum	NL	230,000	15,000	15,000	15,000	9,500	13,000	13,000	12,000
Arsenic	20	68	2.8	27	38	5.3	49	14	14
Barium	1,000	46,000	22	310	1,100	54	700	70	92
Beryllium	90	470	ND	0.99	ND	ND	ND	ND	ND
Calcium	NL	NL	590	3,700	2,600	1,700	1,800	2,300	3,400
Cadmium	70	210	ND	3.5	2.0	ND	1.4	ND	ND
Cobalt	NL	70	2.3	5.2	4.5	6.5	4.2	5.7	4.1
Chromium	100	NL	15	840	750	52	740	21	41
Copper	NL	9,400	6.6	590	600	44	590	37	59
Iron	NL	160,000	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	NL	5,500	70	190	130	200	110	370	360
Nickel	600	4,600	6.6	22	15	12	15	15	14
Lead	200	200	17	1,100	1,200	230	1,200	260	250
Antimony	20	94	ND	ND	ND	ND	ND	ND	ND
Vanadium	400	1,200	28	34	33	29	30	55	55
Zinc	1,000	70,000	29	650	520	84	310	170	230

ANALYTICAL METHODS

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

Metals: EPA Region I SOP, LSBSOP-OPTIMAS1;

Metals in Soil by ICP-OES.

NOTES:

- 1) mg/kg = milligrams per kilogram
- 2) NL = Not Listed.
- 3) ND = Not Detected.
- 4) -- = Parameter not analyzed.
- 5) EPA RML-Res = US EPA Removal Management Level for Residential Soil.
- 6) MCP S-1 Standard = Massachusetts Contingency Plan Method 1 S-1 Soil Standard.
- 7) Sample results bolded and highlighted in YELLOW indicate compounds exceeding the MCP S-1 Standard.
- 8) Sample results bolded and highlighted in RED indicate compounds exceeding the EPA Residential RML.
- 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.

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

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

ANALYTICAL METHODS

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

Metals: EPA Region I SOP, LSBSOP-OPTIMAS1;

Metals in Soil by ICP-OES.

NOTES:

- 1) mg/kg = milligrams per kilogram
- 2) NL = Not Listed.
- 3) ND = Not Detected.
- 4) -- = Parameter not analyzed.
- 5) EPA RML-Res = US EPA Removal Management Level for Residential Soil.
- 6) MCP S-1 Standard = Massachusetts Contingency Plan Method 1 S-1 Soil Standard.
- 7) Sample results bolded and highlighted in YELLOW indicate compounds exceeding the MCP S-1 Standard.
- 8) Sample results bolded and highlighted in RED indicate compounds exceeding the EPA Residential RML.
- 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.

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

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

ANALYTICAL METHODS

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

Metals: EPA Region I SOP, LSBSOP-OPTIMAS1;

Metals in Soil by ICP-OES.

NOTES:

- 1) mg/kg = milligrams per kilogram
- 2) NL = Not Listed.
- 3) ND = Not Detected.
- 4) -- = Parameter not analyzed.
- 5) EPA RML-Res = US EPA Removal Management Level for Residential Soil.
- 6) MCP S-1 Standard = Massachusetts Contingency Plan Method 1 S-1 Soil Standard.
- 7) Sample results bolded and highlighted in YELLOW indicate compounds exceeding the MCP S-1 Standard.
- 8) Sample results bolded and highlighted in RED indicate compounds exceeding the EPA Residential RML.
- 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.

**UPDATED 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	1.7	4.0
AA-075A	S50134MA-0374	0 - 1	ND	ND
AA-100A dup	S50134MA-0143	0 - 1	ND	0.10
B-150B	S50134MA-0018	1 - 3	2.1	4.3
B-275B	S50134MA-0378	1 - 3	ND	ND
C-200A	S50134MA-0032	0 - 1	0.73	1.7
C-275A	S50134MA-0397	0 - 1	ND	0.07
C-650B	S50134MA-0038	1 - 3	ND	ND
D-175A	S50134MA-0366	0 - 1	0.21	0.60
D-250A	S50134MA-0376	0 - 1	0.73	1.87
D-350A	S50134MA-0390	0 - 1	1.0	1.48
D-375B	S50134MA-0394	1 - 3	ND	0.19
D-400B	S50134MA-0395	1 - 3	ND	ND
D-525A	S50134MA-0154	0 - 1	0.58	2.6
D-550A	S50134MA-0434	0 - 1	0.78	0.62
D-575B	S50134MA-0058	1 - 3	ND	ND
D-775B	S50134MA-0072	1 - 3	ND	ND
DD-075A	S50134MA-0075	0 - 1	ND	ND
E-000A	S50134MA-0325	0 - 1	0.92	1.21
E-325A	S50134MA-0385	0 - 1	1.11	2.6
E-425B	S50134MA-0157	1 - 3	1.9	1.91
E-475A	S50134MA-0159	0 - 1	0.25	0.78
E-550A	S50134MA-0163	0 - 1	0.51	1.42
E-675A	S50134MA-0089	0 - 1	0.20	0.34

NOTES:

- 1) All results in milligrams per kilogram (mg/kg).
- 2) PCB = Polychlorinated biphenyl.
- 3) ND = Not detected above the laboratory reporting limit.
- 4) MCP Method-1 S-1 Soil Standard = Massachusetts Contingency Plan Method 1 S-1 Soil Standard.
- 5) MCP IH Soil Standard = Massachusetts Contingency Plan Imminent Hazard Soil Standard.
- 6) EPA RML - Residential = EPA Regional Management Level for Residential Soil, HQ=3.
- 7) Sample results highlighted in YELLOW exceed the MCP Method 1 S-1 Soil Standard.
- 8) Sample results highlighted in ORANGE exceed the MCP IH Soil Standard.
- 9) Sample results highlighted in RED exceed the EPA RML - Residential.

**UPDATED 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-125B dup	S50134MA-0146	1 - 3	ND	ND
EE-200A	S50134MA-0413	0 - 1	ND	0.16
EF-775A	S50134MA-0105	0 - 1	0.83	9.1
F-100A	S50134MA-0313	0 - 1	0.79	2.2
F-225A	S50134MA-0289	0 - 1	2.3	2.4
F-325A	S50134MA-0182	0 - 1	0.48	0.92
F-400B	S50134MA-0186	1 - 3	1.8	1.78
F-500A	S50134MA-0167	0 - 1	0.71	1.53
F-700A	S50134MA-0115	0 - 1	ND	0.26
FF-075A	S50134MA-0122	0 - 1	3.3	4.1
FF-175A	S50134MA-0401	0 - 1	1.11	1.51
G-050A	S50134MA-0314	0 - 1	0.49	1.5
G-175A	S50134MA-0427	0 - 1	0.71	1.52
G-225B	S50134MA-0299	1 - 3	0.98	1.97
G-300A	S50134MA-0190	0 - 1	1.34	1.63
G-425A	S50134MA-0195	0 - 1	1.77	2.8
G-550A	S50134MA-0200	0 - 1	1.89	4.0
H-250A	S50134MA-0202	0 - 1	ND	1.24
H-300A	S50134MA-0204	0 - 1	2.4	3.6
H-400A	S50134MA-0208	0 - 1	1.14	2.03
H-500A	S50134MA-0211	0 - 1	0.75	1.26
H-625B	S50134MA-0174	1 - 3	2.5	2.4
W-001B	S50134MA-0137	1 - 3	8.2	5.7
W-004A	S50134MA-0140	0 - 1	11.9	18.4

NOTES:

- 1) All results in milligrams per kilogram (mg/kg).
- 2) PCB = Polychlorinated biphenyl.
- 3) ND = Not detected above the laboratory reporting limit.
- 4) MCP Method-1 S-1 Soil Standard = Massachusetts Contingency Plan Method 1 S-1 Soil Standard.
- 5) MCP IH Soil Standard = Massachusetts Contingency Plan Imminent Hazard Soil Standard.
- 6) EPA RML - Residential = EPA Regional Management Level for Residential Soil, HQ=3.
- 7) Sample results highlighted in YELLOW exceed the MCP Method 1 S-1 Soil Standard.
- 8) Sample results highlighted in ORANGE exceed the MCP IH Soil Standard.
- 9) Sample results highlighted in RED exceed the EPA RML - Residential.

UPDATED TABLE 6
SUMMARY OF METALS
X-RAY FLUORESCENCE FIELD SCREENING DATA VERSUS CONFIRMATION LABORATORY 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	12	12	57	35	207	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	ND	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	38	18	143	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-0098	1 - 3	ND	42	313	700	754	1,300
E-775B dup	S50134MA-0147	1 - 3	ND	44	355	770	828	1,400
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 highlighted in YELLOW indicate compounds exceeding the MCP S-1 Soil Standard.

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

UPDATED TABLE 6
SUMMARY OF METALS
X-RAY FLUORESCENCE FIELD SCREENING DATA VERSUS CONFIRMATION LABORATORY 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	19	7.4	58	20	291	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	9	6.4	45	60	115	120
D-525A	S50134MA-0154	0 - 1	34	9.5	138	16	720	410
D-550A	S50134MA-0434	0 - 1	40	11	126	120	354	360
DD-025A	S50134MA-0435	0 - 1	29	19	14	250	330	860
DD-175A	S50134MA-0367	0 - 1	77	14	22	13	526	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 highlighted in YELLOW indicate compounds exceeding the MCP S-1 Soil Standard.

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

Updated 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) V1
Contract No. 68HE0325D0004

AD Number: TOFP-01-25-07-0016

Created by: B. Mace

Created on: 1 April 2022

Modified by: A. Klinger

Modified on: 14 August 2025

LEGEND

 Approximate Site Boundary

 Fence

 < 1 mg/Kg

 > 1 <10 mg/Kg

 > 10 mg/Kg

Notes:

1) PCBs = Total Polychlorinated Biphenyls

2) mg/Kg = milligrams per Kilogram

3) See Table 3 for PCB confirmatory analysis results.



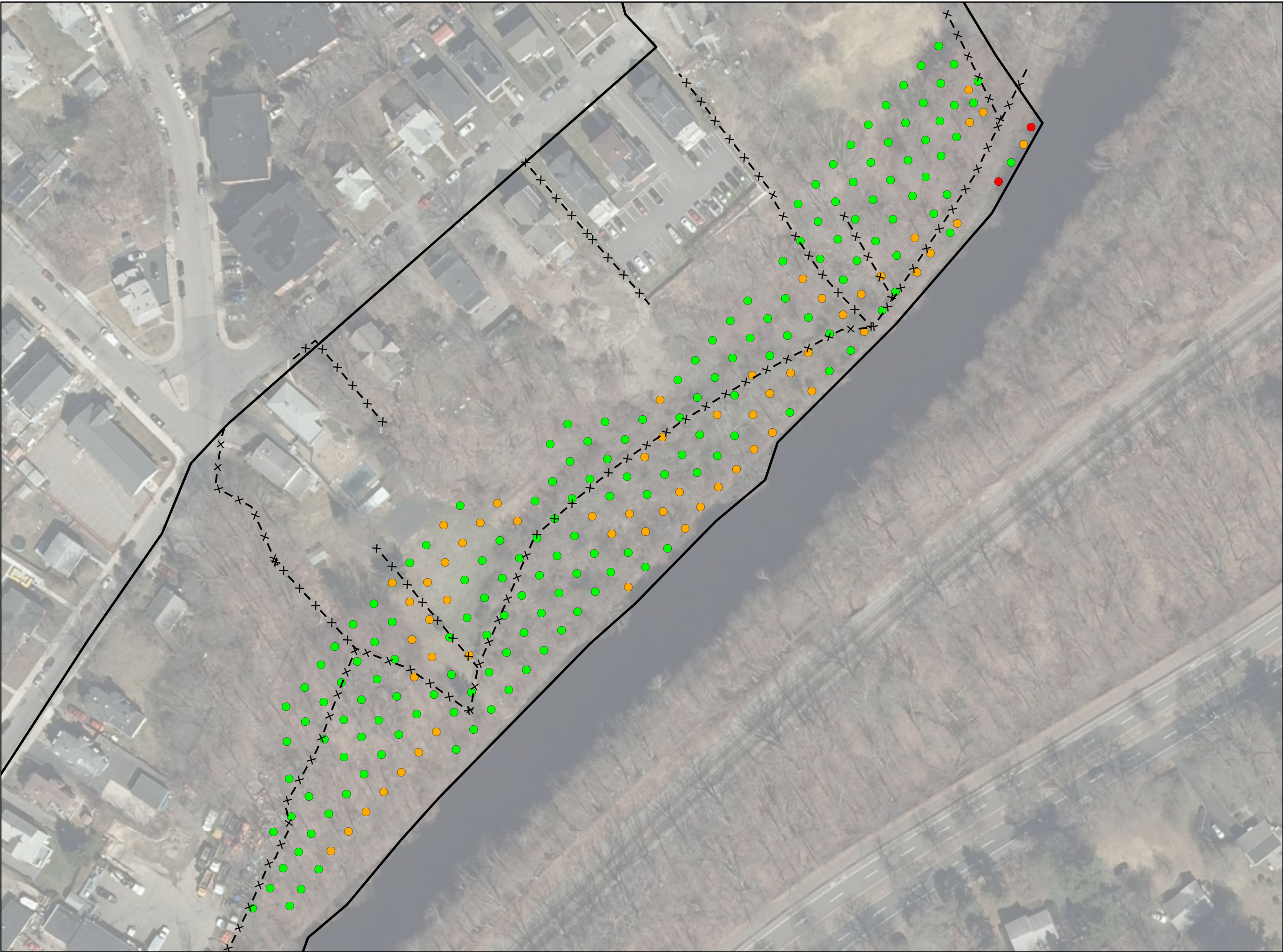
0 45 90 135 180



Feet

Data Sources:

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



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

Riverside Square PCB Site
Riverside Square Area
Boston, Massachusetts

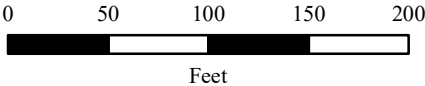
EPA Region I
Superfund Technical Assessment and
Response Team (START) V1
Contract No. 68HE0325D0004

AD Number: TOFP-01-25-07-0016
Created by: B. Mace
Created on: 1 April 2022
Modified by: A. Klinger
Modified on: 14 August 2025

LEGEND

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

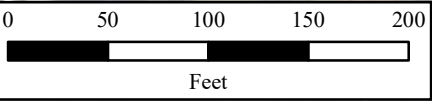
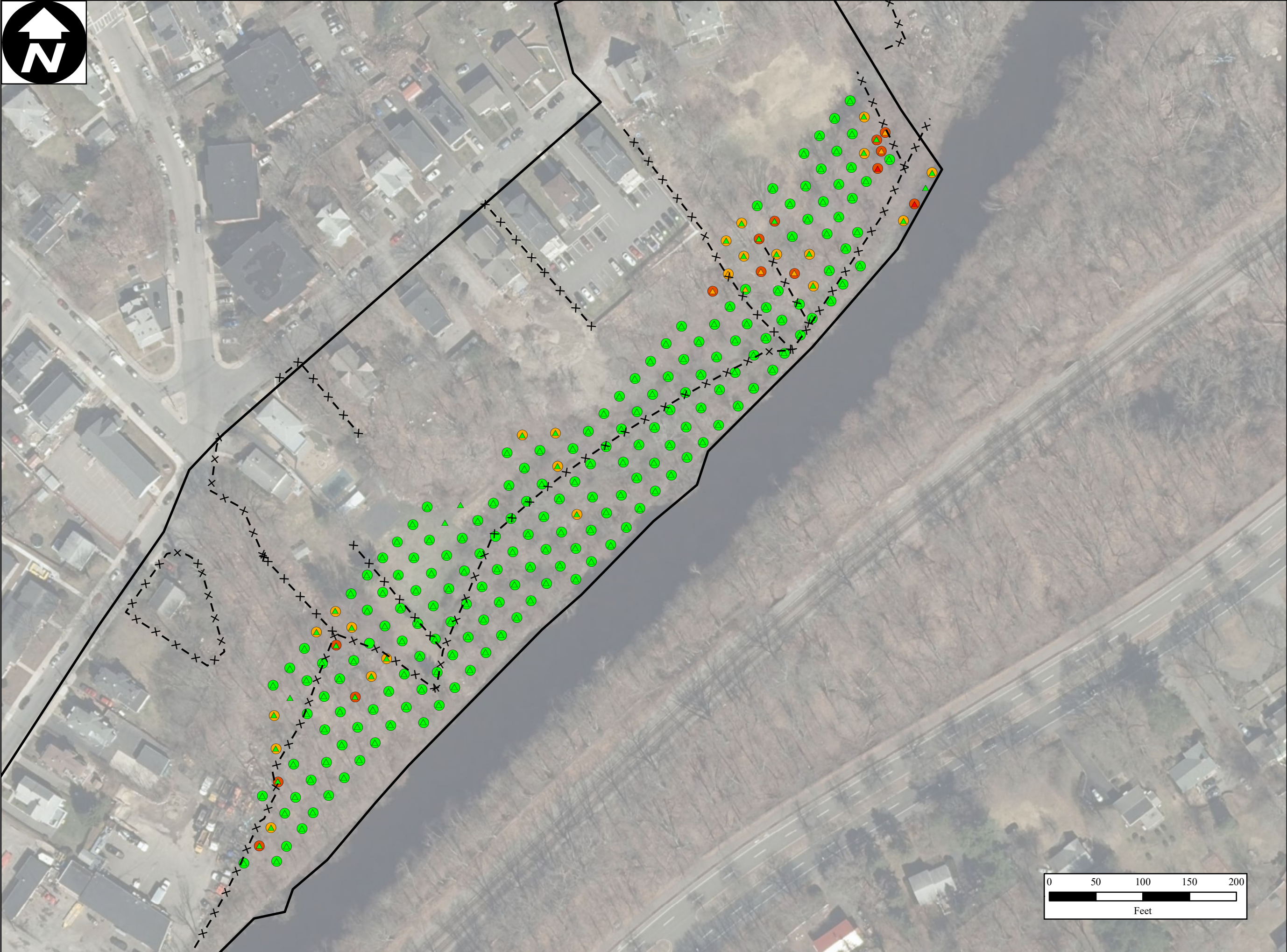
NOTES:
1) PCBs = Total Polychlorinated Biphenyls
2) mg/Kg = milligrams per Kilogram
3) See Table 3 for PCB confirmatory analysis results.



Data Sources:

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





Updated 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) V1
Contract No. 68HE0325D0004**

AD Number: TOFP-01-25-07-0016
Created by: B. Mace
Created on: 1 April 2022
Modified by: A. Klinger
Modified on: 30 September 2025

LEGEND

Approximate Site Boundary

Fence

Total Chromium Results

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

Lead Results

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

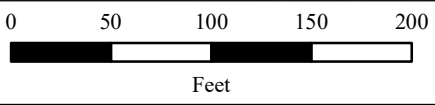
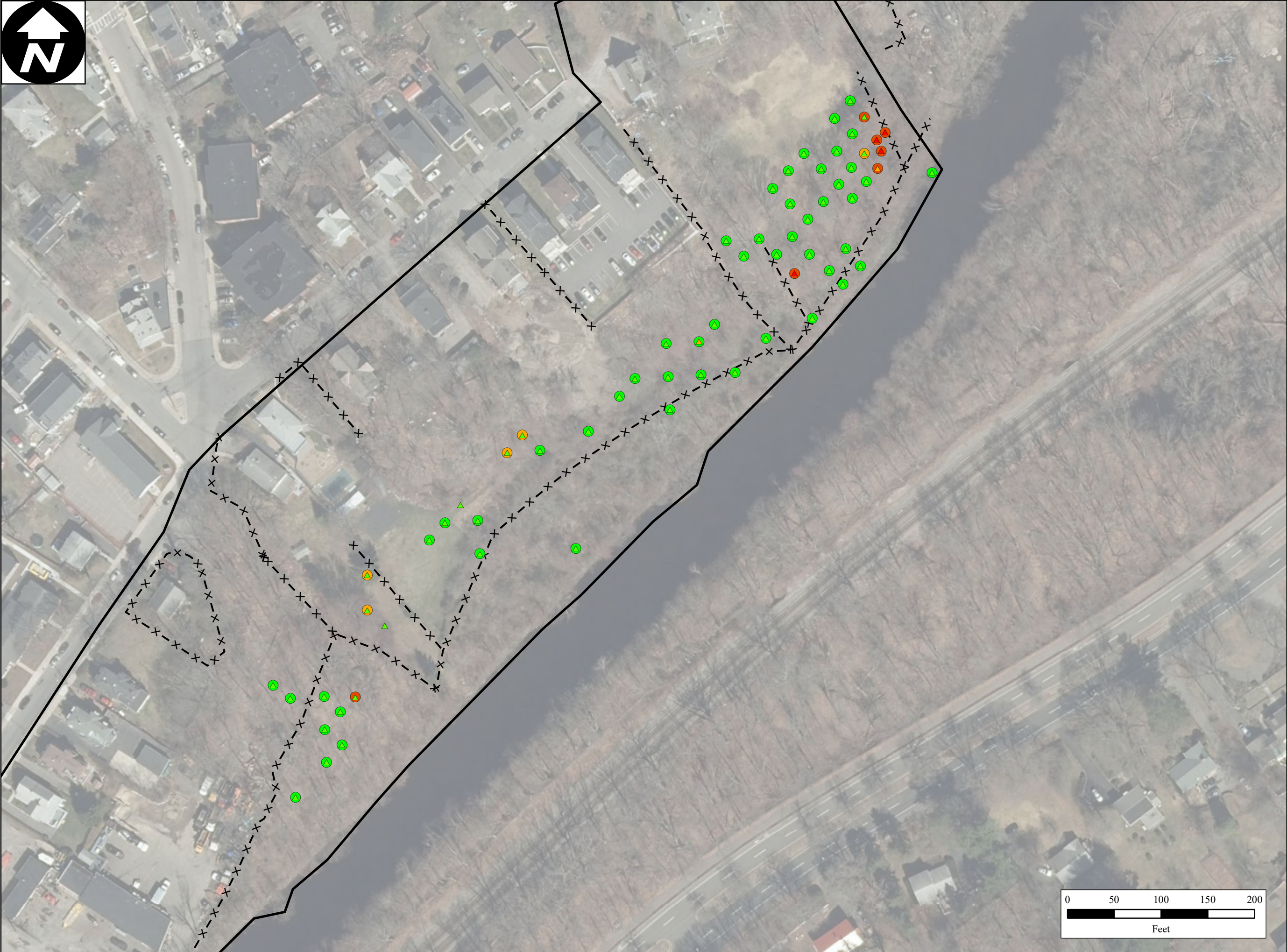
NOTES:

- 1) XRF = X-Ray Fluorescence
- 2) mg/Kg = milligrams per Kilogram
- 3) See Table 4 for metals confirmatory analysis results.

Data Sources:

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





Updated Figure 4B

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

**Riverside Square PCB Site
Riverside Square Area
Boston, Massachusetts**

**EPA Region I
Superfund Technical Assessment and
Response Team (START) V1
Contract No. 68HE0325D0004**

AD Number: TOFP-01-25-07-0016
Created by: B. Mace
Created on: 1 April 2022
Modified by: A. Klinger
Modified on: 30 September 2025

LEGEND

Approximate Site Boundary

Fence

Total Chromium Results

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

Lead Results

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

NOTES:
1) XRF = X-Ray Fluorescence
2) mg/Kg = milligrams per Kilogram
3) See Table 4 for metals confirmatory analysis results.

Data Sources:

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



Updated Analytical Data Summaries

Field Screening Results

Total PCBs were detected in 184 of the 310 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 80 soil samples exceeding the Massachusetts Contingency Plan Method 1 S-1 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 199 of the 325 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 323 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 316 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 20 soil samples exceeding the Massachusetts Contingency Plan Method 1 S-1 standard and in three soil samples exceeding the EPA Removal Management Level for Residential Soil. Total chromium was detected in 16 soil samples exceeding the Massachusetts Contingency Plan Method 1 S-1 standard. Lead was detected in 53 soil samples exceeding the Massachusetts Contingency Plan Method 1 S-1 standard and the EPA Removal Management Level for Residential Soil (see Appendix A, Figures 4A and 4B; and Appendix B, Table 2).

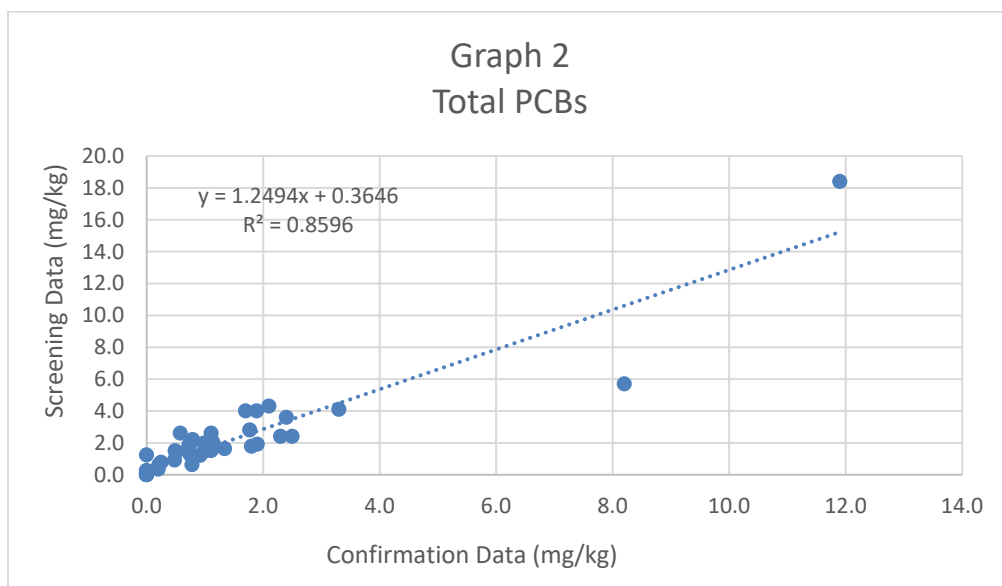
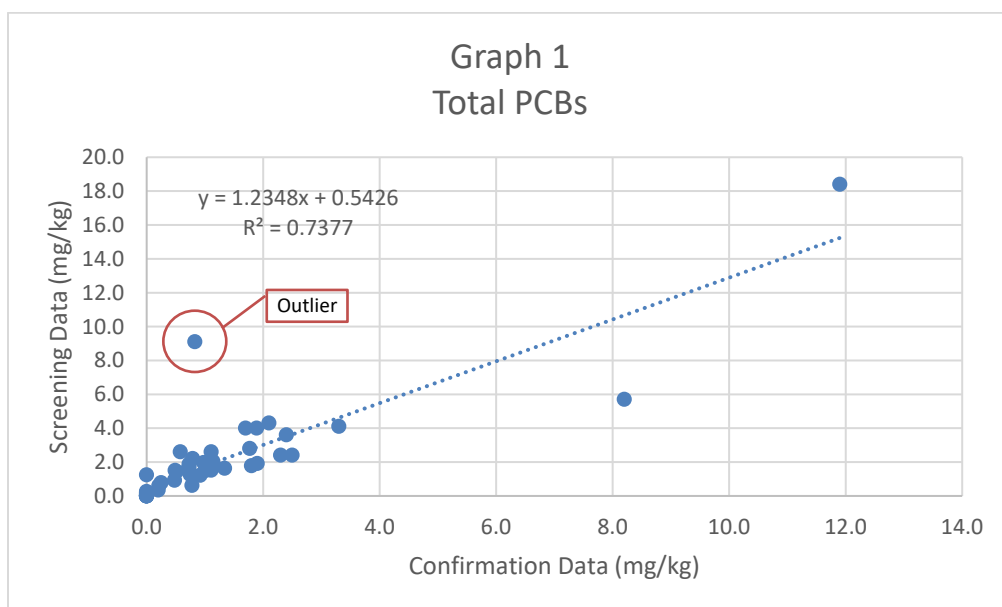
Laboratory Analytical Results

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 S-1 standard in 30 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 and sample location 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 Method 1 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 0.7377 was obtained during this analysis, indicating a good correlation between the two sets of data. Since one data point in the regression analysis plotted far outside the range of all the other points (i.e. an outlier), a revised regression analysis was run omitting the outlier. The resulting revised regression plot showed an R^2 of 0.8596, 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 0.464 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.

